

exio3_to_figaro

February 17, 2025

```
[1]: import numpy as np
import os
import pymrio
import pandas as pd

[ ]: figaro_2019_path = 'C:/Users/danie/Nextcloud/Coding/Masterthesis/data/raw/
↳figaro_tables/2019_figaro_64.csv'
figaro_2019 = pd.read_csv(figaro_2019_path)
print(figaro_2019.head())

[2]: # Saveplace for EXIO3
exio3_folder = 'C:/Users/danie/Nextcloud/Coding/Masterthesis/exiobase/exiobase3/
↳'

# Download
exio_downloadlog = pymrio.download_exiobase3(storage_folder=exio3_folder,
↳years=[2019], system='ixi')

# Parsing and saving
if not os.path.exists('C:/Users/danie/Nextcloud/Coding/Masterthesis/exiobase/
↳exiobase3/exio3.pickle'):
    exio3 = pymrio.parse_exiobase3('C:/Users/danie/Nextcloud/Coding/
↳Masterthesis/exiobase/exiobase3/IOT_2019_ixi.zip')
    exio3.save('C:/Users/danie/Nextcloud/Coding/Masterthesis/exiobase/
↳exiobase3')
else:
    # Load saved data
    exio3 = pymrio.load('C:/Users/danie/Nextcloud/Coding/Masterthesis/exiobase/
↳exiobase3/exio3.pickle')

# Ensure exio3 is defined
try:
    exio3
except NameError:
    exio3 = pymrio.load('C:/Users/danie/Nextcloud/Coding/Masterthesis/exiobase/
↳exiobase3/exio3.pickle')
```

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# Check classifications
mrio_class = pymrio.get_classification(mrio_name="exio3_ixi")
print(mrio_class)

# Show full range of sectors
pd.set_option('display.max_rows', None)
mrio_class.sectors.to_csv('C:/Users/danie/Nextcloud/Coding/Masterthesis/
↳exiobase/exiobase3/sectors.csv')
print("Classifications have been saved to sectors.csv")
# Rename sectors with shorter labels
conv_dict = mrio_class.get_sector_dict(mrio_class.sectors.ExioName, mrio_class.
↳sectors.ExioLabel)
conv_dict
print(conv_dict)

exio3.rename_sectors(conv_dict)
exio3.get_sectors()

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ClassificationData(mrio_classification_folder=WindowsPath('c:/Users/danie/Nextcloud/Coding/Masterthesis/.env/Lib/site-

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packages/pymrio/core/../../mrio_models/exio3_ixi'),
sectors_file_name='sectors.tsv', sectors_sep='\t',

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finaldemand_file_name='finaldemand.tsv', finaldemand_sep='\t', sectors=
ExioNumber

```

		ExioName	ExioCode	\
0	1	Cultivation of paddy rice	i01.a	
1	2	Cultivation of wheat	i01.b	
2	3	Cultivation of cereal grains nec	i01.c	
3	4	Cultivation of vegetables, fruit, nuts	i01.d	
4	5	Cultivation of oil seeds	i01.e	
..	...			
158	159	Activities of membership organisation n.e.c. (91)	i91	
159	160	Recreational, cultural and sporting activities...	i92	
160	161	Other service activities (93)	i93	
161	162	Private households with employed persons (95)	i95	
162	163	Extra-territorial organizations and bodies	i99	

	ExioLabel	ISICCode	ISICName	\
0	A_PARI	ISIC_A	Agriculture, hunting and related service activ...	
1	A_WHEA	ISIC_A	Agriculture, hunting and related service activ...	
2	A_OCER	ISIC_A	Agriculture, hunting and related service activ...	
3	A_FVEG	ISIC_A	Agriculture, hunting and related service activ...	
4	A_OILS	ISIC_A	Agriculture, hunting and related service activ...	
..		
158	A_ORGA	ISIC_M_N_O	Education; health and social work; other commu...	
159	A_RECR	ISIC_M_N_O	Education; health and social work; other commu...	
160	A_OSER	ISIC_M_N_O	Education; health and social work; other commu...	
161	A_PRHH	ISIC_P	Private households with employed persons (P)	

162 A_EXT0 ISIC_L Public administration and defense; compulsory ...

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ConsumptionCategories
0                    Food
1                    Food
2                    Food
3                    Food
4                    Food
..                    ...
158                  Services
159                  Services
160                  Services
161                  Shelter
162                  Services

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[163 rows x 7 columns], finaldemand= ExioNumber

ExioName ExioCode \

```

0            164            Final consumption expenditure by households        y01
1            165    Final consumption expenditure by non-profit or...       y02.a
2            166            Final consumption expenditure by government       y02.b
3            167                    Gross fixed capital formation            y04
4            168                    Changes in inventories                   y05.a
5            169                    Changes in valuables                    y05.b
6            170                    Exports: Total (fob)                    y06

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ExioLabel            Type
0    F_HOUS    Expenditure
1    F_NPSH    Expenditure
2    F_GOVE    Expenditure
3    I_GFCF        Capital
4    I_CHIN        Capital
5    I_CHVA        Capital
6    X_TOTA        Export    )

```

Classifications have been saved to sectors.csv

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{'Cultivation of paddy rice': 'A_PARI', 'Cultivation of wheat': 'A_WHEA',
'Cultivation of cereal grains nec': 'A_OCER', 'Cultivation of vegetables, fruit,
nuts': 'A_FVEG', 'Cultivation of oil seeds': 'A_OILS', 'Cultivation of sugar
cane, sugar beet': 'A_SUGB', 'Cultivation of plant-based fibers': 'A_FIBR',
'Cultivation of crops nec': 'A_OTCR', 'Cattle farming': 'A_CATL', 'Pigs
farming': 'A_PIGS', 'Poultry farming': 'A_PLTR', 'Meat animals nec': 'A_OMEA',
'Animal products nec': 'A_OANP', 'Raw milk': 'A_MILK', 'Wool, silk-worm
cocoons': 'A_WOOL', 'Manure treatment (conventional), storage and land
application': 'A_MANC', 'Manure treatment (biogas), storage and land
application': 'A_MANB', 'Forestry, logging and related service activities (02)':
'A_FORE', 'Fishing, operating of fish hatcheries and fish farms; service
activities incidental to fishing (05)': 'A_FISH', 'Mining of coal and lignite;
extraction of peat (10)': 'A_COAL', 'Extraction of crude petroleum and services
related to crude oil extraction, excluding surveying': 'A_COIL', 'Extraction of

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natural gas and services related to natural gas extraction, excluding
 surveying': 'A_GASE', 'Extraction, liquefaction, and regasification of other
 petroleum and gaseous materials': 'A_OGPL', 'Mining of uranium and thorium ores
 (12)': 'A_ORAN', 'Mining of iron ores': 'A_IRON', 'Mining of copper ores and
 concentrates': 'A_COPO', 'Mining of nickel ores and concentrates': 'A_NIKO',
 'Mining of aluminium ores and concentrates': 'A_ALUO', 'Mining of precious metal
 ores and concentrates': 'A_PREO', 'Mining of lead, zinc and tin ores and
 concentrates': 'A_LZTO', 'Mining of other non-ferrous metal ores and
 concentrates': 'A_ONFO', 'Quarrying of stone': 'A_STON', 'Quarrying of sand and
 clay': 'A_SDCL', 'Mining of chemical and fertilizer minerals, production of
 salt, other mining and quarrying n.e.c.': 'A_CHMF', 'Processing of meat cattle':
 'A_PCAT', 'Processing of meat pigs': 'A_PPIG', 'Processing of meat poultry':
 'A_PPLT', 'Production of meat products nec': 'A_POME', 'Processing vegetable
 oils and fats': 'A_VOIL', 'Processing of dairy products': 'A_DAIR', 'Processed
 rice': 'A_RICE', 'Sugar refining': 'A_SUGR', 'Processing of Food products nec':
 'A_OFOD', 'Manufacture of beverages': 'A_BEVR', 'Manufacture of fish products':
 'A_FSHP', 'Manufacture of tobacco products (16)': 'A_TOBC', 'Manufacture of
 textiles (17)': 'A_TEXT', 'Manufacture of wearing apparel; dressing and dyeing
 of fur (18)': 'A_GARM', 'Tanning and dressing of leather; manufacture of
 luggage, handbags, saddlery, harness and footwear (19)': 'A_LETH', 'Manufacture
 of wood and of products of wood and cork, except furniture; manufacture of
 articles of straw and plaiting materials (20)': 'A_WOOD', 'Re-processing of
 secondary wood material into new wood material': 'A_WOOW', 'Pulp': 'A_PULP',
 'Re-processing of secondary paper into new pulp': 'A_PAPR', 'Paper': 'A_PAPE',
 'Publishing, printing and reproduction of recorded media (22)': 'A_MDIA',
 'Manufacture of coke oven products': 'A_COKE', 'Petroleum Refinery': 'A_REFN',
 'Processing of nuclear fuel': 'A_NUCF', 'Plastics, basic': 'A_PLAS', 'Re-
 processing of secondary plastic into new plastic': 'A_PLAW', 'N-fertiliser':
 'A_NFER', 'P- and other fertiliser': 'A_PFER', 'Chemicals nec': 'A_CHEM',
 'Manufacture of rubber and plastic products (25)': 'A_RUBP', 'Manufacture of
 glass and glass products': 'A_GLAS', 'Re-processing of secondary glass into new
 glass': 'A_GLAW', 'Manufacture of ceramic goods': 'A_CPMC', 'Manufacture of
 bricks, tiles and construction products, in baked clay': 'A_BRIC', 'Manufacture
 of cement, lime and plaster': 'A_CMNT', 'Re-processing of ash into clinker':
 'A_ASHW', 'Manufacture of other non-metallic mineral products n.e.c.': 'A_ONMM',
 'Manufacture of basic iron and steel and of ferro-alloys and first products
 thereof': 'A_STEL', 'Re-processing of secondary steel into new steel': 'A_STEW',
 'Precious metals production': 'A_PREM', 'Re-processing of secondary precious
 metals into new precious metals': 'A_PREW', 'Aluminium production': 'A_ALUM',
 'Re-processing of secondary aluminium into new aluminium': 'A_ALUW', 'Lead, zinc
 and tin production': 'A_LZTP', 'Re-processing of secondary lead into new lead,
 zinc and tin': 'A_LZTW', 'Copper production': 'A_COPP', 'Re-processing of
 secondary copper into new copper': 'A_COPW', 'Other non-ferrous metal
 production': 'A_ONFM', 'Re-processing of secondary other non-ferrous metals into
 new other non-ferrous metals': 'A_ONFW', 'Casting of metals': 'A_METC',
 'Manufacture of fabricated metal products, except machinery and equipment (28)':
 'A_FABM', 'Manufacture of machinery and equipment n.e.c. (29)': 'A_MACH',
 'Manufacture of office machinery and computers (30)': 'A_OFMA', 'Manufacture of

electrical machinery and apparatus n.e.c. (31)': 'A_ELMA', 'Manufacture of
 radio, television and communication equipment and apparatus (32)': 'A_RATV',
 'Manufacture of medical, precision and optical instruments, watches and clocks
 (33)': 'A_MEIN', 'Manufacture of motor vehicles, trailers and semi-trailers
 (34)': 'A_MOTO', 'Manufacture of other transport equipment (35)': 'A_OTRE',
 'Manufacture of furniture; manufacturing n.e.c. (36)': 'A_FURN', 'Recycling of
 waste and scrap': 'A_RYMS', 'Recycling of bottles by direct reuse': 'A_BOTW',
 'Production of electricity by coal': 'A_POWC', 'Production of electricity by
 gas': 'A_POWG', 'Production of electricity by nuclear': 'A_POWN', 'Production of
 electricity by hydro': 'A_POWH', 'Production of electricity by wind': 'A_POWW',
 'Production of electricity by petroleum and other oil derivatives': 'A_POWP',
 'Production of electricity by biomass and waste': 'A_POWB', 'Production of
 electricity by solar photovoltaic': 'A_POWS', 'Production of electricity by
 solar thermal': 'A_POWE', 'Production of electricity by tide, wave, ocean':
 'A_POWO', 'Production of electricity by Geothermal': 'A_POWM', 'Production of
 electricity nec': 'A_POWZ', 'Transmission of electricity': 'A_POWT',
 'Distribution and trade of electricity': 'A_POWD', 'Manufacture of gas;
 distribution of gaseous fuels through mains': 'A_GASD', 'Steam and hot water
 supply': 'A_HWAT', 'Collection, purification and distribution of water (41)':
 'A_WATR', 'Construction (45)': 'A_CONS', 'Re-processing of secondary
 construction material into aggregates': 'A_CONW', 'Sale, maintenance, repair of
 motor vehicles, motor vehicles parts, motorcycles, motor cycles parts and
 accessoires': 'A_TDMO', 'Retail sale of automotive fuel': 'A_TDFU', 'Wholesale
 trade and commission trade, except of motor vehicles and motorcycles (51)':
 'A_TDWH', 'Retail trade, except of motor vehicles and motorcycles; repair of
 personal and household goods (52)': 'A_TDRT', 'Hotels and restaurants (55)':
 'A_HORE', 'Transport via railways': 'A_TRAI', 'Other land transport': 'A_TLND',
 'Transport via pipelines': 'A_TPIP', 'Sea and coastal water transport':
 'A_TWAS', 'Inland water transport': 'A_TWAI', 'Air transport (62)': 'A_TAIR',
 'Supporting and auxiliary transport activities; activities of travel agencies
 (63)': 'A_TAUX', 'Post and telecommunications (64)': 'A_PTEL', 'Financial
 intermediation, except insurance and pension funding (65)': 'A_FINT', 'Insurance
 and pension funding, except compulsory social security (66)': 'A_FINS',
 'Activities auxiliary to financial intermediation (67)': 'A_FAUX', 'Real estate
 activities (70)': 'A_REAL', 'Renting of machinery and equipment without operator
 and of personal and household goods (71)': 'A_MARE', 'Computer and related
 activities (72)': 'A_COMP', 'Research and development (73)': 'A_RESD', 'Other
 business activities (74)': 'A_OBUS', 'Public administration and defence;
 compulsory social security (75)': 'A_PADF', 'Education (80)': 'A_EDUC', 'Health
 and social work (85)': 'A_HEAL', 'Incineration of waste: Food': 'A_INCF',
 'Incineration of waste: Paper': 'A_INCP', 'Incineration of waste: Plastic':
 'A_INCL', 'Incineration of waste: Metals and Inert materials': 'A_INCM',
 'Incineration of waste: Textiles': 'A_INCT', 'Incineration of waste: Wood':
 'A_INCW', 'Incineration of waste: Oil/Hazardous waste': 'A_INCO',
 'Biogasification of food waste, incl. land application': 'A_BIOF',
 'Biogasification of paper, incl. land application': 'A_BIOP', 'Biogasification
 of sewage sludge, incl. land application': 'A_BIOS', 'Composting of food waste,
 incl. land application': 'A_COMF', 'Composting of paper and wood, incl. land

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application': 'A_COMW', 'Waste water treatment, food': 'A_WASF', 'Waste water
treatment, other': 'A_WASO', 'Landfill of waste: Food': 'A_LANF', 'Landfill of
waste: Paper': 'A_LANP', 'Landfill of waste: Plastic': 'A_LANL', 'Landfill of
waste: Inert/metal/hazardous': 'A_LANI', 'Landfill of waste: Textiles':
'A_LANT', 'Landfill of waste: Wood': 'A_LANW', 'Activities of membership
organisation n.e.c. (91)': 'A_ORGA', 'Recreational, cultural and sporting
activities (92)': 'A_RECR', 'Other service activities (93)': 'A_OSER', 'Private
households with employed persons (95)': 'A_PRHH', 'Extra-territorial
organizations and bodies': 'A_EXTO'}

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[2]: Index(['A_PARI', 'A_WHEA', 'A_OCER', 'A_FVEG', 'A_OILS', 'A_SUGB', 'A_FIBR',
          'A_OTCR', 'A_CATL', 'A_PIGS',
          ...,
          'A_LANP', 'A_LANL', 'A_LANI', 'A_LANT', 'A_LANW', 'A_ORGA', 'A_RECR',
          'A_OSER', 'A_PRHH', 'A_EXTO'],
          dtype='object', name='sector', length=163)

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[3]: print(exio3.Z.columns)

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```

MultiIndex([('AT', 'A_PARI'),
            ('AT', 'A_WHEA'),
            ('AT', 'A_OCER'),
            ('AT', 'A_FVEG'),
            ('AT', 'A_OILS'),
            ('AT', 'A_SUGB'),
            ('AT', 'A_FIBR'),
            ('AT', 'A_OTCR'),
            ('AT', 'A_CATL'),
            ('AT', 'A_PIGS'),
            ...,
            ('WM', 'A_LANP'),
            ('WM', 'A_LANL'),
            ('WM', 'A_LANI'),
            ('WM', 'A_LANT'),
            ('WM', 'A_LANW'),
            ('WM', 'A_ORGA'),
            ('WM', 'A_RECR'),
            ('WM', 'A_OSER'),
            ('WM', 'A_PRHH'),
            ('WM', 'A_EXTO')],
          names=['region', 'sector'], length=7987)

```

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[4]: # FIGARO countries
figaro_countries = [
    'AR', 'AT', 'AU', 'BE', 'BG', 'BR', 'CA', 'CH', 'CN', 'CY', 'CZ', 'DE',
    ↪ 'DK', 'EE', 'ES', 'FI', 'FIGW1', 'FR', 'GB',
    'GR', 'HR', 'HU', 'ID', 'IE', 'IN', 'IT', 'JP', 'KR', 'LT', 'LU', 'LV',
    ↪ 'MT', 'MX', 'NL', 'NO', 'PL', 'PT', 'RO', 'RU',

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    'SA', 'SE', 'SI', 'SK', 'TR', 'US', 'ZA'
]

# Extract country codes from EXIOBASE 3 dataset
exio_countries = exio3.get_regions()

# Convert EXIOBASE 3 country codes to 2-letter codes if necessary
three_to_two_letter_mapping = {
    'AUT': 'AT', 'BEL': 'BE', 'BGR': 'BG', 'HRV': 'HR', 'CYP': 'CY', 'CZE': 'CZ',
    'DNK': 'DK', 'EST': 'EE', 'FIN': 'FI',
    'FRA': 'FR', 'DEU': 'DE', 'GRC': 'GR', 'HUN': 'HU', 'IRL': 'IE', 'ITA': 'IT',
    'LVA': 'LV', 'LTU': 'LT', 'LUX': 'LU',
    'MLT': 'MT', 'NLD': 'NL', 'POL': 'PL', 'PRT': 'PT', 'ROU': 'RO', 'SVK': 'SK',
    'SVN': 'SI', 'ESP': 'ES', 'SWE': 'SE',
    'GBR': 'GB', 'USA': 'US', 'CAN': 'CA', 'JPN': 'JP', 'CHN': 'CN', 'IND': 'IN',
    'BRA': 'BR', 'RUS': 'RU', 'ZAF': 'ZA',
    'KOR': 'KR', 'CHE': 'CH', 'TUR': 'TR', 'MEX': 'MX', 'NOR': 'NO', 'SAU': 'SA',
    'ARG': 'AR', 'AUS': 'AU', 'IDN': 'ID',
    'ROW': 'FIGW1' # Assuming 'ROW' in EXIOBASE corresponds to 'FIGW1' in FIGARO
}

exio_countries_2_letter = sorted([three_to_two_letter_mapping.get(code, code)
    for code in exio_countries])

# Compare country codes
common_countries = sorted(set(figaro_countries).
    intersection(exio_countries_2_letter))
figaro_only_countries = sorted(set(figaro_countries) -
    set(exio_countries_2_letter))
exio_only_countries = sorted(set(exio_countries_2_letter) -
    set(figaro_countries))

print("Common countries:", common_countries)
print("Countries only in FIGARO:", figaro_only_countries)
print("Countries only in EXIOBASE 3:", exio_only_countries)

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```

Common countries: ['AT', 'AU', 'BE', 'BG', 'BR', 'CA', 'CH', 'CN', 'CY', 'CZ',
'DE', 'DK', 'EE', 'ES', 'FI', 'FR', 'GB', 'GR', 'HR', 'HU', 'ID', 'IE', 'IN',
'IT', 'JP', 'KR', 'LT', 'LU', 'LV', 'MT', 'MX', 'NL', 'NO', 'PL', 'PT', 'RO',
'RU', 'SE', 'SI', 'SK', 'TR', 'US', 'ZA']
Countries only in FIGARO: ['AR', 'FIGW1', 'SA']
Countries only in EXIOBASE 3: ['TW', 'WA', 'WE', 'WF', 'WL', 'WM']

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[5]: rename_dict_exio3 = {
    "A_PARI": "A01",
    "A_WHEA": "A01",

```

"A_OCER": "A01",
"A_FVEG": "A01",
"A_OILS": "A01",
"A_SUGB": "A01",
"A_FIBR": "A01",
"A_OTCR": "A01",
"A_CATL": "A01",
"A_PIGS": "A01",
"A_PLTR": "A01",
"A_OMEA": "A01",
"A_OANP": "A01",
"A_MILK": "A01",
"A_WOOL": "A01",
"A_MANC": "A01",
"A_MANB": "A01",
"A_FORE": "A02",
"A_FISH": "A03",
"A_GASE": "B_gas",
"A_OGPL": "B_gas",
"A_COAL": "B_nongas",
"A_COIL": "B_nongas",
"A_ORAN": "B_nongas",
"A_IRON": "B_nongas",
"A_COPO": "B_nongas",
"A_NIKO": "B_nongas",
"A_ALUO": "B_nongas",
"A_PREO": "B_nongas",
"A_LZTO": "B_nongas",
"A_ONFO": "B_nongas",
"A_STON": "B_nongas",
"A_SDCL": "B_nongas",
"A_CHMF": "B_nongas",
"A_PCAT": "C10-12",
"A_PPIG": "C10-12",
"A_PPLT": "C10-12",
"A_POME": "C10-12",
"A_VOIL": "C10-12",
"A_DAIR": "C10-12",
"A_RICE": "C10-12",
"A_SUGR": "C10-12",
"A_OFOD": "C10-12",
"A_BEVR": "C10-12",
"A_FSHP": "C10-12",
"A_TOBC": "C10-12",
"A_TEXT": "C13-15",
"A_GARM": "C13-15",
"A_LETH": "C13-15",

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"A_WOOW": "C16",
"A_PULP": "C17",
"A_PAPR": "C17",
"A_PAPE": "C17",
"A_MDIA": "C18",
"A_COKE": "C19",
"A_REFN": "C19",
"A_PLAS": "C20-21",
"A_PLAW": "C20-21",
"A_NFER": "C20-21",
"A_PFER": "C20-21",
"A_CHEM": "C20-21",
"A_RUBP": "C22",
"A_GLAS": "C23",
"A_GLAW": "C23",
"A_CRMCM": "C23",
"A_BRIK": "C23",
"A_CMNT": "C23",
"A_ASHW": "C23",
"A_ONMM": "C23",
"A_NUCF": "C24",
"A_STEL": "C24",
"A_STEW": "C24",
"A_PREM": "C24",
"A_PREW": "C24",
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"A_LZTP": "C24",
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"A_COPW": "C24",
"A_ONFM": "C24",
"A_ONFW": "C24",
"A_METC": "C24",
"A_FABM": "C25_33",
"A_MACH": "C25",
"A_OFMA": "C26",
"A_ELMA": "C27",
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"A_MEIN": "C28_32",
"A_MOTO": "C29",
"A_OTRE": "C30",
"A_FURN": "C31",
"A_POWC": "D35",
"A_POWG": "D35",
"A_POWN": "D35",

"A_POWH": "D35",
"A_POWW": "D35",
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"A_POWB": "D35",
"A_POWS": "D35",
"A_POWE": "D35",
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"A_POWD": "D35",
"A_GASD": "D35",
"A_HWAT": "D35",
"A_WATR": "E36",
"A_RYMS": "E37-39",
"A_BOTW": "E37-39",
"A_INCF": "E37-39",
"A_INCP": "E37-39",
"A_INCL": "E37-39",
"A_INCM": "E37-39",
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"A_INCW": "E37-39",
"A_INCO": "E37-39",
"A_BIOF": "E37-39",
"A_BIOP": "E37-39",
"A_BIOS": "E37-39",
"A_COMF": "E37-39",
"A_COMW": "E37-39",
"A_WASF": "E37-39",
"A_WASO": "E37-39",
"A_LANF": "E37-39",
"A_LANP": "E37-39",
"A_LANL": "E37-39",
"A_LANI": "E37-39",
"A_LANT": "E37-39",
"A_LANW": "E37-39",
"A_CONS": "F",
"A_CONW": "F",
"A_TDMO": "G45",
"A_TDWH": "G46",
"A_TDFU": "G47",
"A_TDRT": "G47",
"A_TRAI": "H49",
"A_TLND": "H49",
"A_TPIP": "H49",
"A_TWAS": "H50",
"A_TWAI": "H50",

```

"A_TAIR": "H51",
"A_TAUX": "H52",
"A_PTEL": "H53",
"A_HORE": "I",
"A_COMP": "J62_63",
"A_FINT": "K64",
"A_FINS": "K65",
"A_FAUX": "K66",
"A_REAL": "L68",
"A_RESD": "M_N",
"A_OBUS": "M_N",
"A_HEAL": "M_N",
"A_MARE": "M_N",
"A_PADF": "O84",
"A_EDUC": "P85",
"A_RECR": "R_S",
"A_ORGA": "R_S",
"A_OSER": "R_S",
"A_PRHH": "T",
"A_EXTO": "U"
}

```

```

[6]: # Rename sectors to create overlapping labels
exio3.rename_sectors(rename_dict_exio3)
print(exio3.Z)

```

region	AT					
sector	A01	A01	A01	A01	A01	A01
region sector						
AT A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	1.253390e+01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	1.282586e+01	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	1.135534e+02	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	5.329143e-01	0.000000e+00
A01	0	2.430459e-02	2.879480e-02	4.033217e-02	1.145744e-02	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	1.116363e-03	2.474190e-03	4.445031e-03	5.855602e-03	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	1.668966e-03	3.459982e-03	8.960867e-03	3.618095e-04	0.000000e+00
A01	0	1.347838e-03	2.794243e-03	7.236697e-03	2.921933e-04	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0	9.056585e-03	2.018687e-02	4.036061e-02	1.535727e-03	0.000000e+00
A03	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

B_nongas	0	2.578189e-05	5.039672e-05	9.012402e-05	7.436896e-06
B_nongas	0	7.498133e-03	1.418559e-02	6.287006e-02	1.974483e-03
B_gas	0	1.883304e-02	3.655148e-02	1.392238e-01	4.753558e-03
B_gas	0	5.968262e-04	1.154532e-03	3.626235e-04	1.086261e-04
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	1.572971e-03	2.864072e-03	1.138293e-02	4.805106e-04
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	5.549034e-03	1.036350e-02	4.594674e-02	1.508940e-03
B_nongas	0	4.452617e-02	9.911406e-02	1.797309e-01	8.631014e-03
B_nongas	0	8.693174e-02	1.878432e-01	4.114586e-01	1.876550e-02
B_nongas	0	1.807870e-01	3.990633e-01	7.472207e-01	3.411049e-02
C10-12	0	1.123896e-02	2.248565e-02	8.878236e-02	2.338477e-03
C10-12	0	6.160361e-03	1.252919e-02	4.514060e-02	1.292568e-03
C10-12	0	6.415400e-03	1.113254e-02	2.395857e-02	2.559157e-03
C10-12	0	1.085516e-03	1.900212e-03	3.903778e-03	4.347516e-04
C10-12	0	1.353477e-03	2.350687e-03	4.794731e-03	5.509032e-04
C10-12	0	1.106979e-02	2.189139e-02	7.232448e-02	2.750789e-03
C10-12	0	4.609783e-05	9.442494e-05	1.803382e-04	1.183936e-05
C10-12	0	3.002928e-03	5.402643e-03	1.604893e-02	9.617574e-04
C10-12	0	1.855167e-02	3.838440e-02	1.346670e-01	3.849399e-03
C10-12	0	6.816850e-03	1.387205e-02	5.021017e-02	1.419526e-03
C10-12	0	7.021593e-03	1.282218e-02	3.373727e-02	2.369011e-03
C10-12	0	2.144170e-02	4.340060e-02	5.385273e-01	1.814771e-02
C13-15	0	1.632333e-01	3.985826e-01	8.008554e-01	1.938754e-02
C13-15	0	7.235669e-03	1.449179e-02	4.254310e-02	1.847220e-03
C13-15	0	5.915784e-03	1.213535e-02	4.759706e-02	1.258015e-03
C16	0	8.340279e-01	1.856051e+00	3.508582e+00	1.432071e-01
C16	0	4.595756e-01	1.022800e+00	1.932484e+00	7.883386e-02
C17	0	5.980793e-03	1.034687e-02	1.823954e-02	2.582029e-03
C17	0	1.029404e-02	1.817885e-02	3.622170e-02	4.204663e-03
C17	0	3.941351e-01	8.523384e-01	1.595141e+00	8.073571e-02
C18	0	5.314567e-02	1.124239e-01	3.384000e-01	1.090826e-02
C19	0	7.929702e-03	4.743136e-03	1.737321e-02	2.364617e-03
C19	0	3.909728e+00	7.642227e+00	2.616077e+00	6.502930e-01
C24	0	6.817470e-05	4.389405e-05	1.454015e-03	3.180748e-05
C20-21	0	1.740812e-01	3.669762e-01	9.920890e-01	3.461388e-02
C20-21	0	5.360612e-02	1.110886e-01	3.243727e-01	1.129126e-02
C20-21	0	3.093641e+00	2.071082e-03	3.109871e+00	9.274894e-01
C20-21	0	5.301734e-03	9.501959e-03	1.547788e-02	2.008040e-03
C20-21	0	4.751520e-02	1.228227e-01	1.857782e-01	1.145186e-02
C22	0	8.046770e-01	1.812911e+00	3.550813e+00	1.276981e-01
C23	0	1.730442e-03	3.377113e-03	7.865111e-03	5.278588e-04
C23	0	1.469010e-03	2.866872e-03	6.676649e-03	4.481174e-04
C23	0	7.027784e-03	1.373593e-02	3.224240e-02	2.118837e-03

C23	0	1.052196e-02	2.099683e-02	4.676914e-02	2.946470e-03
C23	0	1.249809e-01	2.644486e-01	6.312553e-01	2.820631e-02
C23	0	3.132377e-02	6.783766e-02	1.713138e-01	6.024790e-03
C23	0	4.131371e-02	8.960823e-02	1.784996e-01	7.717833e-03
C24	0	5.436326e-02	9.549028e-02	2.472930e-01	1.134938e-02
C24	0	1.101189e-02	1.920376e-02	4.498542e-02	2.925429e-03
C24	0	3.308519e-03	5.769902e-03	1.351493e-02	8.789020e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	7.984891e-03	1.392425e-02	3.261934e-02	2.121297e-03
C24	0	6.612610e-02	1.232526e-01	2.923040e-01	1.337184e-02
C24	0	1.422852e-03	2.480660e-03	5.812607e-03	3.780743e-04
C24	0	1.300437e-03	2.266476e-03	5.312949e-03	3.456274e-04
C24	0	1.300213e-02	2.272135e-02	5.307662e-02	3.441435e-03
C24	0	3.242232e-02	5.717894e-02	1.328592e-01	8.343664e-03
C24	0	2.254903e-02	3.958537e-02	9.848049e-02	5.255272e-03
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	4.041902e-02	7.128219e-02	1.846687e-01	8.418360e-03
C25_33	0	7.047827e-01	1.538125e+00	2.855635e+00	1.218576e-01
C25	0	1.037640e+00	2.321725e+00	4.412374e+00	2.124877e-01
C26	0	2.284623e-03	3.827078e-03	5.324786e-03	1.067406e-03
C27	0	6.731169e+00	1.464874e+01	2.692902e+01	1.277937e+00
C27	0	2.965538e-02	6.170187e-02	1.486444e-01	6.075351e-03
C28_32	0	3.765494e-01	8.601012e-01	1.667296e+00	6.272708e-02
C29	0	2.840964e-01	5.858328e-01	1.094693e+00	6.751300e-02
C30	0	1.749880e-02	3.612784e-02	8.155747e-02	4.251910e-03
C31	0	7.193291e-01	1.639738e+00	3.304116e+00	1.206575e-01
E37-39	0	1.404847e-03	2.849671e-03	6.969589e-03	4.245629e-04
E37-39	0	9.962275e-03	1.937642e-02	4.302895e-02	3.057271e-03
D35	0	8.740058e-02	1.646318e-01	1.696436e+00	1.156416e-02
D35	0	1.962221e-01	3.680805e-01	3.893531e+00	2.538455e-02
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	5.301686e-01	9.932832e-01	1.059744e+01	6.827697e-02
D35	0	3.054302e-02	5.728209e-02	6.070383e-01	3.955815e-03
D35	0	1.774149e-02	3.358391e-02	3.348348e-01	2.404362e-03
D35	0	8.156711e-02	1.532875e-01	1.604692e+00	1.065059e-02
D35	0	4.494621e-04	8.421934e-04	8.977549e-03	5.793801e-05
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	2.449730e-05	4.594069e-05	4.850284e-04	3.162233e-06
D35	0	3.013633e-02	5.650804e-02	5.995837e-01	3.899316e-03
D35	0	1.476300e-01	2.868161e-01	2.365903e+00	2.250495e-02
D35	0	2.084719e-01	4.117883e-01	2.956440e+00	3.400947e-02
D35	0	1.360407e-01	2.656089e-01	2.068104e+00	2.143462e-02
D35	0	5.882483e-02	1.208502e-01	5.590018e-01	1.109200e-02
E36	0	2.035883e-01	4.268066e-01	7.948601e-01	4.786670e-02
F	0	8.551680e+00	1.969458e+01	2.572164e+01	2.110864e+00
F	0	9.690666e-03	2.218689e-02	2.913700e-02	2.428693e-03
G45	0	2.957005e+00	4.786932e+00	7.584305e+00	1.230947e+00

G47	0	3.539775e-01	6.480786e-01	1.097627e+00	1.142659e-01
G46	0	6.802022e+00	1.218393e+01	2.205281e+01	2.690176e+00
G47	0	2.102082e+00	3.542481e+00	7.058662e+00	8.301250e-01
I	0	3.002363e-01	6.271316e-01	1.371743e+00	6.702508e-02
H49	0	4.452872e-01	7.027735e-01	1.148754e+00	1.990081e-01
H49	0	1.777413e+00	2.882481e+00	4.768935e+00	7.613203e-01
H49	0	1.182588e-01	2.153388e-01	4.527150e-01	3.903305e-02
H50	0	9.439421e-03	1.404338e-02	2.084120e-02	4.623762e-03
H50	0	1.619987e-02	2.529723e-02	4.277400e-02	7.439187e-03
H51	0	8.517520e-02	1.712243e-01	3.215171e-01	2.153233e-02
H52	0	1.695915e+00	2.957099e+00	5.512272e+00	6.542547e-01
H53	0	8.842528e-01	1.842865e+00	3.968668e+00	1.892145e-01
K64	0	6.860124e+00	1.444573e+01	2.638701e+01	1.546751e+00
K65	0	7.599348e-01	1.542311e+00	2.725827e+00	1.773284e-01
K66	0	3.120035e-02	7.813042e-02	2.989067e-01	1.294503e-02
L68	0	1.770433e+00	3.714585e+00	6.948295e+00	3.859298e-01
M_N	0	2.869164e+00	5.931153e+00	1.045392e+01	5.930407e-01
J62_63	0	7.289108e-02	1.550651e-01	3.960709e-01	1.462439e-02
M_N	0	6.842442e-02	1.395154e-01	3.751296e-01	1.449864e-02
M_N	0	8.881019e+00	1.835461e+01	7.277716e+01	1.820130e+00
O84	0	1.914278e-01	4.037873e-01	9.956081e-01	4.377903e-02
P85	0	4.531310e-02	9.490977e-02	2.117856e-01	1.021235e-02
M_N	0	9.814911e-03	1.988825e-02	4.998437e-02	2.391826e-03
E37-39	0	9.607031e-03	2.024744e-02	4.740551e-02	2.114797e-03
E37-39	0	1.233568e-02	2.610227e-02	5.766886e-02	2.705570e-03
E37-39	0	1.985995e-02	4.232748e-02	8.334934e-02	4.329047e-03
E37-39	0	6.879425e-02	1.452570e-01	2.986761e-01	1.553046e-02
E37-39	0	2.110593e-03	4.467728e-03	9.740206e-03	4.631344e-04
E37-39	0	4.237867e-03	8.956884e-03	2.062048e-02	9.229948e-04
E37-39	0	1.393494e-02	2.939785e-02	7.009744e-02	3.031518e-03
E37-39	0	1.757996e-03	3.728834e-03	7.381448e-03	3.920643e-04
E37-39	0	2.166639e-04	4.590096e-04	9.170073e-04	8.583959e-06
E37-39	0	1.222180e-03	2.588962e-03	5.163457e-03	2.727379e-04
E37-39	0	5.454559e-02	1.155295e-01	2.300458e-01	1.221114e-02
E37-39	0	5.523093e-07	1.046384e-06	1.566919e-06	1.921119e-07
E37-39	0	3.928694e-03	8.284043e-03	1.733960e-02	8.919248e-04
E37-39	0	8.931669e-03	1.888579e-02	3.888349e-02	2.009425e-03
E37-39	0	1.362401e-03	2.869769e-03	5.880725e-03	3.106328e-04
E37-39	0	1.911470e-03	4.034213e-03	8.252205e-03	4.329660e-04
E37-39	0	4.881989e-04	1.028138e-03	2.104859e-03	2.238771e-05
E37-39	0	4.721351e-03	9.951281e-03	2.028753e-02	1.075569e-03
E37-39	0	2.079929e-04	4.383147e-04	8.933350e-04	9.415277e-06
E37-39	0	9.140870e-04	1.928865e-03	3.946655e-03	2.071761e-04
R_S	0	2.723881e-02	5.559726e-02	9.891360e-02	7.120079e-03
R_S	0	8.897432e-02	1.873696e-01	4.491133e-01	1.951706e-02
R_S	0	5.030558e-02	1.054011e-01	1.905069e-01	1.179031e-02
T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

BE	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	2.070571e-02	9.906747e-07	1.414715e-06	3.075152e-07
	A01	0	6.534746e-07	3.272644e-03	1.405481e-06	3.055580e-07
	A01	0	4.281189e-08	6.484029e-08	8.648457e-01	1.987834e-08
	A01	0	1.611234e-09	2.430837e-09	3.476388e-09	7.176519e-06
	A01	0	4.605449e-08	6.942546e-08	9.921037e-08	2.151243e-08
	A01	0	7.797246e-10	1.175836e-09	1.680880e-09	3.640463e-10
	A01	0	3.991514e-10	8.428153e-10	1.598857e-08	1.009683e-06
	A01	0	1.679217e-07	2.532435e-07	3.647787e-07	7.839510e-08
	A01	0	1.228566e-07	1.855856e-07	2.668110e-07	5.723596e-08
	A01	0	7.732387e-08	1.166909e-07	1.693313e-07	3.606815e-08
	A01	0	9.675903e-11	2.043084e-10	4.013373e-10	2.215254e-11
	A01	0	1.664403e-06	2.506885e-06	3.579469e-06	7.783001e-07
	A01	0	1.204885e-07	1.816731e-07	2.598154e-07	5.626492e-08
	A01	0	3.541849e-13	5.334643e-13	7.617077e-13	1.656226e-13
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	1.243385e-06	2.768351e-06	5.276604e-06	2.182641e-07
	A03	0	5.140885e-07	7.813965e-07	1.125292e-06	2.375754e-07
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	2.590646e-04	5.626015e-04	1.015407e-03	4.652948e-05
	B_nongas	0	2.487180e-05	5.308929e-05	9.616443e-05	5.224801e-06
	B_nongas	0	9.508324e-04	2.100664e-03	3.905168e-03	1.782381e-04
	C10-12	0	8.191687e-07	1.613553e-06	2.405790e-06	2.483446e-07
	C10-12	0	4.963817e-05	7.504639e-05	1.074451e-04	2.308907e-05
	C10-12	0	1.607644e-06	2.976007e-06	4.849433e-06	5.099427e-07
	C10-12	0	2.480035e-07	4.204207e-07	6.570625e-07	9.672411e-08
	C10-12	0	5.704003e-07	1.141302e-06	1.960835e-06	1.470845e-07
	C10-12	0	9.867916e-06	1.890168e-05	3.160879e-05	2.923438e-06
	C10-12	0	3.743655e-08	7.250041e-08	9.978980e-08	1.287640e-08
	C10-12	0	9.231484e-07	1.823095e-06	3.088172e-06	2.508543e-07
	C10-12	0	3.134242e-05	6.211597e-05	1.066274e-04	8.268143e-06
	C10-12	0	5.092429e-06	1.010683e-05	1.735331e-05	1.351735e-06
	C10-12	0	2.342982e-05	4.704327e-05	8.132867e-05	5.896092e-06
	C10-12	0	2.324278e-06	1.885521e-06	1.119111e-03	4.215346e-05
	C13-15	0	2.530874e-03	6.143851e-03	1.198461e-02	3.109268e-04
	C13-15	0	8.593643e-05	2.017647e-04	3.912418e-04	1.079322e-05

C13-15	0	4.551431e-04	1.086654e-03	2.110589e-03	6.292448e-05
C16	0	9.415487e-04	2.095240e-03	3.902413e-03	1.619653e-04
C16	0	2.348686e-04	5.229528e-04	9.713846e-04	4.012256e-05
C17	0	2.327882e-05	4.621998e-05	8.029052e-05	6.335384e-06
C17	0	3.480094e-05	8.009169e-05	1.498452e-04	4.998677e-06
C17	0	4.203055e-04	9.161063e-04	1.689552e-03	8.320292e-05
C18	0	7.963591e-05	1.550135e-04	2.674467e-04	2.318617e-05
C19	0	4.306177e-05	9.365761e-05	3.397791e-05	5.031798e-06
C19	0	1.059332e-01	2.116741e-01	6.225645e-02	1.722582e-02
C24	0	1.563682e-06	2.589734e-06	5.145392e-06	7.013307e-07
C20-21	0	9.462826e-03	1.908523e-02	1.629792e-02	1.765091e-03
C20-21	0	4.359944e-05	8.650281e-05	1.248756e-04	1.054882e-05
C20-21	0	2.238671e-06	4.287458e-06	5.384125e-06	5.894455e-07
C20-21	0	6.717519e-06	1.404717e-05	1.684106e-05	1.178315e-06
C20-21	0	2.190640e-04	5.776522e-04	4.869560e-04	4.101721e-05
C22	0	9.951611e-03	2.280547e-02	4.233748e-02	1.455533e-03
C23	0	2.745196e-03	5.966173e-03	1.075029e-02	4.842529e-04
C23	0	6.818708e-04	1.481866e-03	2.670669e-03	1.203309e-04
C23	0	1.905581e-05	4.180631e-05	7.672055e-05	3.430796e-06
C23	0	1.842376e-05	4.001737e-05	7.506195e-05	3.835465e-06
C23	0	9.434492e-05	2.076193e-04	3.965781e-04	1.877028e-05
C23	0	4.034706e-05	8.888674e-05	1.664408e-04	7.900625e-06
C23	0	4.723646e-04	1.043557e-03	1.901714e-03	7.896520e-05
C24	0	9.214018e-05	1.899525e-04	1.411264e-04	1.514561e-05
C24	0	8.269390e-05	1.684432e-04	1.013850e-04	1.363654e-05
C24	0	1.891100e-04	3.807133e-04	1.953611e-04	3.190994e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	8.721523e-05	1.781380e-04	1.124872e-04	1.437717e-05
C24	0	1.688240e-06	3.391081e-06	1.983891e-06	2.987169e-07
C24	0	1.343813e-05	2.698709e-05	1.807508e-05	2.466363e-06
C24	0	7.655193e-06	1.531224e-05	7.585164e-06	1.334666e-06
C24	0	1.653163e-04	3.353817e-04	1.934244e-04	2.771728e-05
C24	0	1.432113e-04	2.932198e-04	2.024698e-04	2.380819e-05
C24	0	8.245913e-06	1.669285e-05	1.751487e-05	1.670349e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.870643e-05	3.753839e-05	2.076714e-05	3.296538e-06
C25_33	0	7.606393e-03	1.661077e-02	2.926480e-02	1.261025e-03
C25	0	3.919394e-03	8.854629e-03	1.448855e-02	8.062556e-04
C26	0	2.242501e-04	5.123787e-04	9.704600e-04	3.804601e-05
C27	0	2.003167e-02	4.362875e-02	7.994433e-02	3.781842e-03
C27	0	1.674876e-03	3.656143e-03	6.710013e-03	3.144655e-04
C28_32	0	1.050191e-03	2.358316e-03	4.407206e-03	1.817548e-04
C29	0	1.819322e-03	3.902813e-03	7.028684e-03	3.718135e-04
C30	0	5.711318e-05	1.305643e-04	2.421236e-04	9.048614e-06
C31	0	2.687333e-03	6.203261e-03	1.180272e-02	4.240527e-04
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	5.597416e-05	9.343076e-05	1.742792e-04	2.209426e-05
D35	0	3.862904e-05	7.439686e-05	4.671789e-04	7.097180e-06

D35	0	7.628415e-05	1.383906e-04	1.001385e-03	1.729137e-05
D35	0	2.017235e-03	2.096187e-03	1.517991e-02	2.229236e-03
D35	0	1.312503e-06	2.454543e-06	1.976658e-05	2.370053e-07
D35	0	2.174298e-06	3.975680e-06	3.205759e-05	2.532882e-07
D35	0	4.440643e-06	8.331920e-06	7.270078e-05	2.965793e-07
D35	0	9.973445e-06	1.823390e-05	1.285230e-04	2.195084e-06
D35	0	2.287379e-08	3.904699e-08	2.006940e-07	6.298583e-09
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	5.953113e-06	1.080463e-05	7.483438e-05	9.647785e-07
D35	0	2.166694e-05	3.861307e-05	6.214774e-05	7.505510e-06
D35	0	1.666938e-04	3.068451e-04	5.030711e-04	5.288332e-05
D35	0	2.283921e-05	3.911310e-05	6.152542e-05	8.688587e-06
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0	1.354949e-04	2.762699e-04	2.752051e-04	2.013896e-05
F	0	9.183891e-03	2.011490e-02	3.583726e-02	1.752207e-03
F	0	2.253019e-05	4.919250e-05	8.703561e-05	4.387421e-06
G45	0	5.622340e-04	9.435508e-04	1.478307e-03	2.270833e-04
G47	0	9.922084e-05	1.742073e-04	2.797804e-04	3.573899e-05
G46	0	1.923297e-02	3.318443e-02	5.300855e-02	7.248521e-03
G47	0	2.232214e-05	3.790885e-05	5.955832e-05	8.599128e-06
I	0	7.083900e-04	1.488963e-03	2.690079e-03	1.584206e-04
H49	0	5.875261e-03	8.706898e-03	1.233580e-02	2.887146e-03
H49	0	1.275906e-02	1.945815e-02	2.829512e-02	6.039476e-03
H49	0	9.436205e-05	1.603379e-04	2.536656e-04	3.710182e-05
H50	0	8.782921e-04	1.374707e-03	2.030039e-03	3.955412e-04
H50	0	4.316427e-04	6.417286e-04	9.103681e-04	2.107562e-04
H51	0	8.921514e-04	1.714703e-03	2.959631e-03	2.748601e-04
H52	0	1.220969e-02	1.963339e-02	2.989977e-02	5.360391e-03
H53	0	1.462663e-03	2.961871e-03	5.188307e-03	3.530960e-04
K64	0	1.363980e-02	2.872303e-02	5.204991e-02	3.075926e-03
K65	0	1.038637e-03	2.106970e-03	3.674838e-03	2.428099e-04
K66	0	3.620180e-06	1.064483e-05	3.898207e-05	2.130543e-06
L68	0	1.439861e-04	2.805633e-04	4.803813e-04	4.107300e-05
M_N	0	3.978552e-03	8.241017e-03	1.439349e-02	8.217365e-04
J62_63	0	2.756225e-04	5.830146e-04	1.038993e-03	5.499361e-05
M_N	0	2.795820e-05	5.749669e-05	1.005379e-04	6.125156e-06
M_N	0	2.028813e-02	4.195598e-02	7.305893e-02	4.156105e-03
O84	0	5.154344e-04	7.484501e-04	9.662926e-04	2.790766e-05
P85	0	5.590988e-05	1.001184e-04	1.636993e-04	1.977779e-05
M_N	0	1.713257e-07	4.372153e-07	5.259380e-07	3.804527e-08
E37-39	0	3.184509e-06	6.575466e-06	1.285272e-05	7.512659e-07
E37-39	0	3.491731e-06	7.291552e-06	1.392886e-05	8.034863e-07
E37-39	0	5.705830e-06	1.215224e-05	2.240084e-05	1.253110e-06
E37-39	0	1.221084e-03	1.396811e-03	1.496359e-03	1.031657e-06
E37-39	0	8.744264e-07	1.835253e-06	3.479409e-06	1.989049e-07
E37-39	0	7.183244e-07	1.473314e-06	3.047099e-06	1.706203e-07

	E37-39	0	2.161064e-06	4.327984e-06	1.972037e-04	5.360461e-07
	E37-39	0	6.759816e-07	1.398554e-06	2.496848e-06	5.943100e-08
	E37-39	0	1.669767e-07	3.505612e-07	6.331401e-07	8.178586e-09
	E37-39	0	8.229828e-07	1.646574e-06	2.864075e-06	2.127363e-07
	E37-39	0	7.493518e-06	1.578722e-05	2.858527e-05	1.700287e-06
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	5.411755e-07	1.082837e-06	1.884498e-06	1.398033e-07
	E37-39	0	9.891049e-07	1.965880e-06	3.390452e-06	2.590502e-07
	E37-39	0	3.736238e-07	7.314024e-07	1.250288e-06	1.013880e-07
	E37-39	0	3.576914e-07	7.041078e-07	1.208713e-06	9.590457e-08
	E37-39	0	1.302695e-06	2.712487e-06	4.869677e-06	8.520059e-08
	E37-39	0	5.832019e-07	1.797637e-04	4.109784e-05	1.593747e-07
	E37-39	0	5.799480e-08	1.170181e-07	2.051200e-07	8.535178e-09
	E37-39	0	6.830956e-08	1.378308e-07	2.415022e-07	1.731905e-08
	R_S	0	7.625897e-05	1.577278e-04	2.741620e-04	1.566335e-05
	R_S	0	1.263094e-04	2.559437e-04	4.515100e-04	3.206384e-05
	R_S	0	4.307199e-05	8.853833e-05	1.545775e-04	9.412478e-06
	T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
BG	A01	0	9.181867e-09	2.069916e-08	3.879326e-08	1.557878e-09
	A01	0	4.477778e-04	6.824583e-08	1.248869e-07	4.944502e-09
	A01	0	7.108793e-09	9.934555e-05	2.936074e-08	1.106145e-09
	A01	0	4.519823e-08	9.946107e-08	5.361469e-02	7.299631e-09
	A01	0	1.153818e-08	2.608065e-08	4.827511e-08	2.727052e-03
	A01	0	5.281482e-11	1.209347e-10	2.252351e-10	7.680623e-12
	A01	0	5.237317e-09	1.179516e-08	2.211703e-08	8.945892e-10
	A01	0	8.506164e-06	1.733291e-05	2.439142e-05	2.748386e-06
	A01	0	8.141551e-09	1.795478e-08	3.312810e-08	1.382364e-09
	A01	0	1.823001e-08	3.764346e-08	6.649474e-08	3.395577e-09
	A01	0	2.500359e-08	5.396133e-08	9.760313e-08	4.237991e-09
	A01	0	1.035904e-05	1.992470e-05	2.805610e-05	3.680091e-06
	A01	0	5.792274e-06	1.113843e-05	1.567507e-05	2.059686e-06
	A01	0	3.484114e-08	7.491436e-08	1.352462e-07	5.958803e-09
	A01	0	1.779751e-10	4.101838e-10	7.594752e-10	2.589604e-11
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	6.873861e-06	1.086993e-05	1.622476e-05	3.056658e-06
	A03	0	1.215335e-06	1.816463e-06	5.700425e-06	1.377246e-06
	B_nongas	0	9.179670e-06	1.449659e-05	2.314110e-05	4.138524e-06
	B_nongas	0	2.845359e-08	4.739630e-08	7.424692e-08	1.170797e-08
	B_gas	0	3.067423e-04	2.681521e-04	8.890687e-04	2.347545e-04
	B_gas	0	2.262069e-08	3.941873e-08	6.266209e-08	8.388723e-09
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	3.444695e-06	2.982855e-06	1.120743e-05	2.330329e-06
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	6.802713e-06	4.828520e-06	2.213906e-05	4.961798e-06

B_nongas	0	1.340486e-07	1.002023e-07	4.374026e-07	9.581427e-08
B_nongas	0	3.181057e-08	2.291387e-08	1.035777e-07	2.307151e-08
B_nongas	0	3.787961e-05	8.440028e-05	1.576750e-04	7.044372e-06
B_nongas	0	2.180379e-05	3.600968e-05	5.457467e-05	9.276974e-06
B_nongas	0	5.759540e-06	1.088791e-05	1.837112e-05	1.864708e-06
C10-12	0	1.608843e-04	7.851914e-05	5.187603e-04	1.298586e-04
C10-12	0	1.734382e-04	8.531714e-05	5.607927e-04	1.396193e-04
C10-12	0	3.406616e-05	1.556885e-05	1.106789e-04	2.787751e-05
C10-12	0	1.256164e-04	6.535950e-05	4.049369e-04	1.005166e-04
C10-12	0	7.496599e-05	2.761030e-05	2.608955e-04	6.047015e-05
C10-12	0	8.771561e-05	6.026900e-05	2.946806e-04	6.452819e-05
C10-12	0	5.266684e-06	8.137988e-06	1.253844e-05	2.377169e-06
C10-12	0	2.208713e-07	1.340808e-07	7.335457e-07	1.690027e-07
C10-12	0	1.520519e-04	9.900980e-05	5.105103e-04	1.137901e-04
C10-12	0	8.293287e-05	4.724734e-05	2.734611e-04	6.447223e-05
C10-12	0	1.994172e-04	1.374453e-04	6.705472e-04	1.465220e-04
C10-12	0	9.667882e-06	1.235167e-05	1.704258e-03	6.652160e-05
C13-15	0	6.689908e-04	1.614388e-03	3.189651e-03	8.705748e-05
C13-15	0	8.200146e-05	1.949299e-04	3.753202e-04	1.202499e-05
C13-15	0	1.530303e-04	3.638214e-04	7.051643e-04	2.183156e-05
C16	0	2.425232e-04	5.357539e-04	9.972093e-04	4.631484e-05
C16	0	2.609323e-06	5.729235e-06	1.059288e-05	5.107636e-07
C17	0	4.688736e-05	2.537922e-05	1.523214e-04	3.676601e-05
C17	0	1.335288e-05	7.235981e-06	4.341282e-05	1.047898e-05
C17	0	2.705595e-04	4.330255e-04	1.009675e-03	1.100926e-04
C18	0	4.285933e-05	9.386135e-05	1.722407e-04	8.103500e-06
C19	0	6.314871e-05	2.117206e-05	2.079681e-04	5.414808e-05
C19	0	1.738940e-02	3.515480e-02	9.177097e-03	2.888893e-03
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	1.917438e-07	3.850926e-07	6.448169e-07	5.426754e-08
C20-21	0	2.025836e-06	4.112029e-06	6.995410e-06	5.506452e-07
C20-21	0	2.361456e-09	4.970901e-09	8.600353e-09	5.827925e-10
C20-21	0	3.200781e-02	7.435788e-05	1.134212e-01	2.949363e-02
C20-21	0	1.542348e-02	5.173543e-02	1.579839e-02	4.528146e-03
C22	0	1.846785e-03	3.690607e-03	7.603969e-03	4.655672e-04
C23	0	5.289041e-04	5.876413e-04	1.866821e-03	3.020576e-04
C23	0	3.190550e-05	3.069550e-05	1.090275e-04	2.005873e-05
C23	0	2.113011e-04	9.835358e-05	6.846527e-04	1.718454e-04
C23	0	8.932909e-05	3.941843e-05	2.884964e-04	7.345297e-05
C23	0	2.156804e-03	1.676552e-03	6.428014e-03	1.642059e-03
C23	0	1.876961e-04	8.311880e-05	6.063444e-04	1.542290e-04
C23	0	2.520793e-04	1.820197e-04	8.548360e-04	1.806611e-04
C24	0	3.983317e-06	1.571857e-06	1.319811e-05	3.330160e-06
C24	0	1.705854e-04	6.770447e-05	5.652261e-04	1.424640e-04
C24	0	2.509719e-05	9.484791e-06	8.291240e-05	2.113012e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.602198e-05	1.031265e-05	8.618256e-05	2.174772e-05
C24	0	7.011899e-05	2.767208e-05	2.323286e-04	5.862058e-05

C24	0	2.899814e-04	1.147303e-04	9.605006e-04	2.423917e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.869537e-04	5.855985e-04	2.935265e-04	5.050058e-05
C24	0	1.725170e-05	6.820430e-06	5.715949e-05	1.441895e-05
C24	0	2.881091e-06	1.170915e-06	9.556388e-06	2.396417e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	7.544474e-05	3.050078e-05	2.502968e-04	6.280889e-05
C25_33	0	1.316482e-03	2.895134e-03	5.021424e-03	2.042394e-04
C25	0	1.343060e-03	3.172055e-03	4.655207e-03	2.964484e-04
C26	0	6.371266e-05	1.462215e-04	2.771140e-04	1.061978e-05
C27	0	2.114175e-03	4.135467e-03	8.276829e-03	5.720966e-04
C27	0	2.979419e-05	6.790444e-05	1.262288e-04	5.139363e-06
C28_32	0	4.506603e-04	1.049146e-03	2.039488e-03	7.124966e-05
C29	0	1.352514e-04	3.018135e-04	5.622853e-04	2.401359e-05
C30	0	7.155868e-05	1.573931e-04	2.866010e-04	1.345387e-05
C31	0	1.195358e-02	2.751904e-02	5.286533e-02	1.934687e-03
E37-39	0	1.041672e-06	1.649105e-06	2.464256e-06	4.557590e-07
E37-39	0	1.922517e-05	2.904674e-05	4.158061e-05	8.949129e-06
D35	0	1.903930e-05	4.005534e-05	4.582274e-05	3.545442e-06
D35	0	1.656230e-06	3.125579e-06	3.626696e-06	4.712539e-07
D35	0	6.316284e-06	1.328153e-05	1.392122e-05	1.147161e-06
D35	0	1.863228e-06	3.545992e-06	4.247412e-06	5.200409e-07
D35	0	2.723540e-08	5.153495e-08	5.935185e-08	7.646387e-09
D35	0	9.255966e-07	1.782965e-06	2.320872e-06	2.473996e-07
D35	0	8.197334e-09	1.805907e-08	3.257323e-08	1.409165e-09
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	7.325859e-08	1.379804e-07	1.605415e-07	2.098012e-08
D35	0	6.377952e-06	1.211451e-05	1.468157e-05	1.789792e-06
D35	0	1.617075e-05	3.095157e-05	3.737471e-05	4.526223e-06
D35	0	1.097326e-05	2.309713e-05	2.495154e-05	2.019988e-06
D35	0	6.702899e-05	1.403984e-04	1.533500e-04	1.223067e-05
E36	0	1.888033e-05	2.706596e-05	3.261680e-05	9.784662e-07
F	0	6.422885e-04	1.413915e-03	2.011836e-03	1.684304e-04
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	2.670870e-04	4.785776e-04	7.764676e-04	9.496771e-05
G47	0	9.597679e-05	1.711411e-04	2.761985e-04	3.412074e-05
G46	0	6.587810e-03	1.094685e-02	2.160607e-02	2.901646e-03
G47	0	1.546074e-03	2.963317e-03	5.094644e-03	4.618053e-04
I	0	5.798072e-04	1.215886e-03	2.189919e-03	1.335749e-04
H49	0	2.856045e-03	4.187594e-03	5.875564e-03	1.423438e-03
H49	0	1.175042e-02	1.779565e-02	2.574037e-02	5.618470e-03
H49	0	1.549363e-05	2.747667e-05	4.473335e-05	5.472635e-06
H50	0	2.670939e-04	4.433963e-04	6.828272e-04	1.082554e-04
H50	0	8.976098e-05	1.330059e-04	1.881923e-04	4.405953e-05
H51	0	1.453226e-04	2.790955e-04	4.814948e-04	4.484935e-05

	H52	0	5.514611e-03	8.858779e-03	1.348298e-02	2.425960e-03
	H53	0	1.388816e-03	2.808489e-03	4.924333e-03	3.406854e-04
	K64	0	3.242252e-03	6.828611e-03	1.238062e-02	7.321866e-04
	K65	0	2.047624e-04	4.166119e-04	7.343037e-04	4.976663e-05
	K66	0	2.826370e-05	5.876785e-05	1.092773e-04	7.160238e-06
	L68	0	2.954330e-04	6.155393e-04	1.047081e-03	6.949659e-05
	M_N	0	7.879811e-05	1.524603e-04	2.569120e-04	2.170307e-05
	J62_63	0	4.462098e-05	9.364639e-05	1.671145e-04	9.774861e-06
	M_N	0	4.721550e-06	9.789454e-06	1.738351e-05	1.071508e-06
	M_N	0	3.176611e-03	6.547212e-03	1.139009e-02	6.586375e-04
	O84	0	7.302226e-07	1.541539e-06	2.803789e-06	1.669708e-07
	P85	0	3.430300e-06	6.407349e-06	1.067137e-05	1.073745e-06
	M_N	0	4.573710e-06	9.075407e-06	1.556605e-05	1.197507e-06
	E37-39	0	1.083281e-07	2.176777e-07	3.865078e-07	2.932211e-08
	E37-39	0	2.446340e-07	5.028883e-07	8.906110e-07	5.741556e-08
	E37-39	0	4.261909e-07	9.101577e-07	1.665821e-06	9.325721e-08
	E37-39	0	9.004240e-05	1.030832e-04	1.105712e-04	1.246170e-07
	E37-39	0	5.916401e-08	1.226530e-07	2.182103e-07	1.345326e-08
	E37-39	0	6.105852e-08	1.251117e-07	2.198357e-07	1.405455e-08
	E37-39	0	3.170196e-07	5.918907e-07	6.322564e-06	1.021519e-07
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	1.441230e-07	3.085895e-07	5.655893e-07	3.121453e-08
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	1.133967e-06	2.094796e-06	3.495638e-06	3.752235e-07
	E37-39	0	1.594795e-06	2.958479e-06	4.943069e-06	5.197352e-07
	E37-39	0	4.144076e-06	7.452308e-06	1.222549e-05	1.481059e-06
	E37-39	0	2.582465e-06	4.671412e-06	7.666346e-06	9.101976e-07
	E37-39	0	3.611328e-07	6.901816e-07	1.168826e-06	1.021024e-07
	E37-39	0	3.344042e-06	2.011753e-05	1.301561e-05	1.178112e-06
	E37-39	0	5.058208e-07	9.123122e-07	1.504089e-06	1.765173e-07
	E37-39	0	6.122423e-07	1.104620e-06	1.821912e-06	2.168584e-07
	R_S	0	2.802099e-06	5.478708e-06	9.347826e-06	7.529469e-07
	R_S	0	3.340240e-05	7.000018e-05	1.240643e-04	7.487638e-06
	R_S	0	1.779957e-05	3.711112e-05	6.640136e-05	4.047274e-06
	T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CY	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	3.283567e-10	7.319016e-10	1.354296e-09	5.567747e-11
	A01	0	1.055214e-09	4.629797e-05	4.352196e-09	1.789263e-10
	A01	0	2.769000e-08	6.172056e-08	3.105818e-02	4.695228e-09
	A01	0	2.525502e-09	5.629302e-09	1.041635e-08	4.282342e-10
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	8.865285e-09	1.976057e-08	3.656457e-08	1.503233e-09
	A01	0	2.609953e-09	5.817543e-09	1.076467e-08	4.425541e-10
	A01	0	1.809822e-08	4.034063e-08	7.464551e-08	3.068807e-09

A01	0	1.730086e-08	3.856333e-08	7.135682e-08	2.933603e-09
A01	0	7.852808e-09	1.750378e-08	3.238865e-08	1.331554e-09
A01	0	5.995602e-10	1.336410e-09	2.472866e-09	1.016638e-10
A01	0	1.412263e-08	3.147910e-08	5.824831e-08	2.394689e-09
A01	0	1.193622e-11	2.660564e-11	4.923054e-11	2.023953e-12
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A03	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	5.234861e-07	7.643800e-07	1.068537e-06	2.623992e-07
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	2.531721e-07	3.811948e-07	5.483121e-07	1.218850e-07
B_nongas	0	7.580380e-05	1.675122e-04	3.115541e-04	1.422259e-05
C10-12	0	1.037592e-09	1.774931e-09	2.809907e-09	3.965645e-10
C10-12	0	6.211798e-09	1.194573e-08	2.047266e-08	1.832070e-09
C10-12	0	1.656845e-08	2.723443e-08	4.177327e-08	6.783087e-09
C10-12	0	1.986492e-08	3.539374e-08	5.768257e-08	7.009288e-09
C10-12	0	1.653778e-09	3.545606e-09	6.460265e-09	3.376311e-10
C10-12	0	8.687000e-09	1.894730e-08	3.481415e-08	1.670444e-09
C10-12	0	1.213230e-10	2.539135e-10	4.553070e-10	2.643782e-11
C10-12	0	5.039724e-10	1.054750e-09	1.891333e-09	1.098220e-10
C10-12	0	2.595769e-08	5.573570e-08	1.010079e-07	5.175701e-09
C10-12	0	1.601277e-08	2.890758e-08	4.759538e-08	5.565383e-09
C10-12	0	1.470349e-08	3.357855e-08	6.304099e-08	2.346619e-09
C10-12	0	8.804950e-08	6.054840e-08	4.762264e-05	1.791112e-06
C13-15	0	8.566457e-06	1.888895e-05	3.487669e-05	1.554395e-06
C13-15	0	2.764360e-07	6.845709e-07	1.350834e-06	3.177355e-08
C13-15	0	1.100686e-06	2.623224e-06	5.092312e-06	1.542271e-07
C16	0	3.617941e-06	8.243674e-06	1.553215e-05	5.862668e-07
C16	0	6.511165e-07	1.484151e-06	2.797163e-06	1.054268e-07
C17	0	3.931197e-10	8.860149e-10	1.638218e-09	6.292555e-11
C17	0	2.485232e-08	5.604578e-08	1.036555e-07	3.964341e-09
C17	0	7.337649e-07	1.590488e-06	2.926952e-06	1.488613e-07
C18	0	2.764715e-05	6.024020e-05	1.104409e-04	5.214375e-06
C19	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

C20-21	0	4.152328e-09	6.660163e-09	9.954871e-09	1.755527e-09
C20-21	0	6.994685e-08	1.059171e-07	1.513718e-07	3.235295e-08
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	1.758129e-09	2.819651e-09	4.399508e-09	7.501307e-10
C20-21	0	5.054386e-09	8.106988e-09	1.213946e-08	2.137714e-09
C22	0	1.257361e-04	2.794263e-04	5.155114e-04	2.157274e-05
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	8.846563e-10	1.883074e-09	3.390307e-09	1.903010e-10
C23	0	6.201976e-09	1.332293e-08	2.413928e-08	1.297150e-09
C23	0	4.938068e-08	1.060836e-07	1.926303e-07	1.040336e-08
C23	0	7.656680e-09	1.626504e-08	2.924277e-08	1.656759e-09
C23	0	5.256301e-09	1.188944e-08	2.230229e-08	9.225609e-10
C24	0	4.795731e-08	7.704609e-08	1.405579e-06	4.019487e-09
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.370875e-09	5.498983e-09	8.438279e-09	3.278543e-10
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.054688e-07	1.380388e-07	1.710076e-07	2.535486e-09
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.102306e-08	1.464874e-08	1.804646e-08	2.814650e-10
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	8.618000e-07	1.845904e-06	3.380575e-06	1.855075e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.542392e-10	2.018312e-10	2.553401e-10	4.505963e-12
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	0	8.077845e-05	1.759666e-04	3.203338e-04	1.492864e-05
C25	0	8.298740e-05	1.808012e-04	3.307962e-04	1.569665e-05
C26	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C27	0	5.406628e-04	1.177127e-03	2.157002e-03	1.022207e-04
C27	0	5.169663e-10	7.786414e-10	1.111784e-09	2.417418e-10
C28_32	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C29	0	8.115603e-07	1.794271e-06	3.319797e-06	1.509103e-07
C30	0	6.239562e-07	1.363993e-06	2.506467e-06	1.166460e-07
C31	0	4.826109e-05	1.119450e-04	2.139102e-04	7.503485e-06
E37-39	0	1.686030e-07	3.663180e-07	6.710823e-07	3.244996e-08
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	3.222220e-10	6.743695e-10	1.209251e-09	7.021629e-11
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	3.922847e-11	6.935729e-11	1.123800e-10	1.395381e-11
D35	0	3.044555e-10	5.382879e-10	8.721912e-10	1.082967e-10
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0	5.000224e-10	1.046483e-09	1.876510e-09	1.089613e-10
F	0	9.725398e-07	2.240193e-06	2.849993e-06	2.425310e-07
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	4.456861e-06	7.180212e-06	1.081745e-05	1.870655e-06
G47	0	1.143022e-05	2.092074e-05	3.442728e-05	3.683297e-06
G46	0	1.187236e-04	1.798469e-04	2.581346e-04	5.507944e-05
G47	0	4.892692e-06	8.991652e-06	1.502608e-05	1.639309e-06
I	0	4.147521e-04	8.727988e-04	1.580625e-03	9.316985e-05
H49	0	2.276719e-03	3.323941e-03	4.645962e-03	1.141414e-03
H49	0	3.303698e-03	4.993527e-03	7.211207e-03	1.584368e-03
H49	0	4.460577e-06	6.501381e-06	9.072228e-06	2.240858e-06
H50	0	8.515693e-04	1.240952e-03	1.731364e-03	4.279046e-04
H50	0	4.904639e-06	7.147362e-06	9.972014e-06	2.464501e-06
H51	0	6.662398e-05	1.280752e-04	2.210995e-04	2.051974e-05
H52	0	4.225441e-04	6.853466e-04	1.051342e-03	1.831507e-04
H53	0	3.660646e-07	7.648785e-07	1.367181e-06	7.968805e-08
K64	0	6.737777e-03	1.419613e-02	2.575475e-02	1.523688e-03
K65	0	5.447581e-05	1.105070e-04	1.927353e-04	1.273566e-05
K66	0	1.264072e-07	3.990485e-07	1.592105e-06	8.658631e-08
L68	0	3.832008e-05	8.019904e-05	1.438096e-04	8.350437e-06
M_N	0	6.680422e-07	1.226880e-06	2.008067e-06	2.099197e-07
J62_63	0	1.557707e-06	2.999977e-06	5.176220e-06	4.706289e-07
M_N	0	1.988209e-07	4.193865e-07	7.620360e-07	4.525533e-08
M_N	0	5.345455e-04	1.105040e-03	1.919353e-03	1.091893e-04
O84	0	4.131548e-09	8.721917e-09	1.586364e-08	9.447088e-10
P85	0	9.271088e-07	1.955440e-06	3.552534e-06	2.109494e-07
M_N	0	2.481661e-08	5.109631e-08	9.083190e-08	5.764894e-09
E37-39	0	9.752669e-10	2.088372e-09	3.826645e-09	2.107616e-10
E37-39	0	6.051546e-10	1.269442e-09	2.300547e-09	1.411566e-10
E37-39	0	3.330533e-11	4.907532e-11	6.859243e-11	1.600810e-11
E37-39	0	2.167963e-04	2.475154e-04	2.644405e-04	2.949810e-09
E37-39	0	9.467117e-12	1.394977e-11	1.949755e-11	4.550339e-12
E37-39	0	1.278413e-11	1.883737e-11	2.632894e-11	6.144649e-12
E37-39	0	3.016331e-09	6.475255e-09	5.607019e-07	6.411214e-10
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	4.196323e-07	8.986863e-07	1.647180e-06	9.078072e-08
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	1.208538e-07	2.596004e-07	4.757823e-07	2.554673e-08
E37-39	0	3.582111e-07	7.768532e-07	1.423956e-06	7.019288e-08
E37-39	0	7.010144e-08	1.538427e-07	2.836758e-07	1.305583e-08
E37-39	0	4.563334e-08	9.976010e-08	1.836579e-07	8.669179e-09

	E37-39	0	6.644362e-10	1.454926e-09	2.677521e-09	1.240373e-10
	E37-39	0	2.054530e-08	5.042109e-06	1.179956e-06	3.786162e-09
	E37-39	0	5.911457e-09	1.296155e-08	2.387343e-08	1.098695e-09
	E37-39	0	7.841411e-09	1.717472e-08	3.161345e-08	1.463203e-09
	R_S	0	2.001350e-08	4.189990e-08	7.521452e-08	4.400417e-09
	R_S	0	4.189242e-06	8.895217e-06	1.623637e-05	9.427975e-07
	R_S	0	1.733581e-06	3.656502e-06	6.649207e-06	3.992176e-07
	T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CZ	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	1.939137e-01	2.251370e-09	5.277973e-08	2.063285e-09
	A01	0	2.341839e-09	5.575869e-02	4.802708e-08	1.975419e-09
	A01	0	9.034290e-10	1.833006e-09	7.717730e-02	9.397687e-10
	A01	0	2.002169e-10	3.320837e-10	3.363163e-08	3.912960e-03
	A01	0	4.655047e-06	5.515048e-06	7.732694e-06	2.194729e-06
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	9.855547e-06	1.865150e-05	2.966888e-05	2.973447e-06
	A01	0	8.181857e-10	1.605974e-09	4.184226e-08	1.629309e-09
	A01	0	3.291116e-09	6.730421e-09	6.444105e-08	2.661725e-09
	A01	0	1.711180e-09	3.477396e-09	4.195946e-08	1.700722e-09
	A01	0	5.180527e-07	8.951118e-07	1.392733e-06	1.881671e-07
	A01	0	5.924006e-07	1.022554e-06	1.577421e-06	2.151521e-07
	A01	0	6.954666e-09	1.429201e-08	1.094725e-07	4.624092e-09
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	6.717137e-04	1.441352e-03	2.969741e-03	1.433191e-04
	A03	0	1.329020e-06	2.696239e-06	4.574524e-06	3.751325e-07
	B_nongas	0	1.256187e-02	2.670640e-02	4.645468e-02	2.903502e-03
	B_nongas	0	3.607697e-05	7.589932e-05	1.088362e-04	6.900117e-06
	B_gas	0	2.513186e-05	5.240610e-05	6.481311e-05	4.674829e-06
	B_gas	0	7.082011e-06	1.467601e-05	1.720113e-05	1.316519e-06
	B_nongas	0	1.125409e-05	2.372956e-05	2.309416e-05	3.088957e-06
	B_nongas	0	3.058289e-08	6.120011e-08	1.922833e-08	4.956901e-09
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	8.619569e-12	1.882916e-11	6.311745e-12	9.553572e-13
	B_nongas	0	1.445427e-11	3.157426e-11	1.061560e-11	1.603185e-12
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	9.808744e-12	2.142687e-11	7.182529e-12	1.087162e-12
	B_nongas	0	3.702066e-08	7.409905e-08	2.287823e-08	5.980900e-09
	B_nongas	0	5.617303e-05	1.156552e-04	1.906023e-04	1.646926e-05
	B_nongas	0	8.986888e-05	1.820331e-04	2.908330e-04	2.801478e-05
	B_nongas	0	4.591039e-04	1.014357e-03	1.883911e-03	8.640052e-05
	C10-12	0	2.975418e-04	6.353746e-04	5.783261e-04	1.545650e-04
	C10-12	0	8.906953e-03	2.227686e-02	1.481099e-02	4.039902e-03
	C10-12	0	1.539076e-04	3.282146e-04	2.987139e-04	7.926889e-05
	C10-12	0	7.668596e-05	2.504876e-04	8.131575e-05	2.271441e-05
	C10-12	0	2.011101e-04	4.295427e-04	3.916331e-04	1.043907e-04

C10-12	0	1.001725e-03	2.143432e-03	2.138637e-03	4.897896e-04
C10-12	0	6.004510e-07	1.391210e-06	2.932969e-06	9.766779e-08
C10-12	0	5.890246e-04	1.259171e-03	1.164130e-03	3.034206e-04
C10-12	0	8.630702e-04	1.849752e-03	1.871065e-03	4.189044e-04
C10-12	0	5.189083e-04	1.104428e-03	1.066558e-03	2.597856e-04
C10-12	0	3.001348e-04	6.391168e-04	5.938807e-04	1.540114e-04
C10-12	0	4.692726e-05	3.372463e-05	2.460884e-02	9.259646e-04
C13-15	0	6.424414e-03	1.570722e-02	2.102589e-02	1.820125e-03
C13-15	0	4.475575e-04	1.195623e-03	1.571811e-03	8.693474e-05
C13-15	0	1.559766e-02	3.730576e-02	7.186500e-02	2.205393e-03
C16	0	1.094094e-02	2.439301e-02	4.515643e-02	1.872980e-03
C16	0	4.851746e-04	1.080248e-03	1.998814e-03	8.326450e-05
C17	0	3.823854e-04	7.587419e-04	9.999225e-04	1.794447e-04
C17	0	1.726652e-04	3.730430e-04	4.159454e-04	7.713993e-05
C17	0	5.891636e-03	1.274552e-02	2.229145e-02	1.387241e-03
C18	0	4.709019e-04	1.016083e-03	1.857973e-03	9.601099e-05
C19	0	1.911685e-04	4.165558e-04	1.894348e-04	3.127742e-05
C19	0	1.338424e-01	2.679513e-01	8.485796e-02	2.174413e-02
C24	0	3.916783e-06	8.441985e-06	9.047166e-06	1.813952e-06
C20-21	0	9.265583e-07	1.859011e-06	8.288126e-07	1.568412e-07
C20-21	0	2.038619e-05	4.087877e-05	1.779361e-05	3.440528e-06
C20-21	0	4.051434e-02	1.350455e-01	4.067427e-02	1.211546e-02
C20-21	0	1.414012e-01	1.062623e-03	4.996404e-01	1.300016e-01
C20-21	0	2.481314e-01	8.282132e-01	2.509038e-01	7.235677e-02
C22	0	3.006485e-02	6.868385e-02	1.267596e-01	4.624148e-03
C23	0	6.693866e-03	1.451149e-02	2.407054e-02	1.560213e-03
C23	0	6.091075e-04	1.320234e-03	2.190556e-03	1.419723e-04
C23	0	7.750034e-04	1.671095e-03	2.072694e-03	3.090455e-04
C23	0	1.219924e-04	2.630178e-04	3.215447e-04	4.950264e-05
C23	0	4.241691e-04	9.102036e-04	1.002518e-03	1.922960e-04
C23	0	8.212652e-05	1.762540e-04	1.944617e-04	3.717231e-05
C23	0	1.890303e-03	4.173444e-03	6.671527e-03	4.637001e-04
C24	0	8.655773e-04	1.810669e-03	1.691680e-03	2.520347e-04
C24	0	1.963122e-04	4.131448e-04	3.971853e-04	5.574315e-05
C24	0	2.290140e-04	4.819641e-04	4.633143e-04	6.503252e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	5.402392e-04	1.135581e-03	1.092207e-03	1.532684e-04
C24	0	7.814948e-04	1.680374e-03	2.122048e-03	2.708207e-04
C24	0	2.167186e-04	4.580755e-04	4.840973e-04	5.786731e-05
C24	0	1.884787e-04	3.983353e-04	4.294497e-04	4.958120e-05
C24	0	1.990755e-04	4.172018e-04	4.025671e-04	5.688091e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	8.374294e-06	1.759224e-05	1.689841e-05	2.379509e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.343938e-03	2.825968e-03	2.716844e-03	3.809318e-04
C25_33	0	2.110935e-02	4.614403e-02	7.958622e-02	3.378065e-03
C25	0	1.661935e-02	3.744735e-02	6.299226e-02	3.315662e-03
C26	0	1.780168e-02	4.084646e-02	7.754687e-02	3.022431e-03

C27	0	1.670722e-01	3.637233e-01	6.629482e-01	3.207811e-02
C27	0	3.897898e-03	8.640057e-03	1.563940e-02	7.632080e-04
C28_32	0	5.201539e-03	1.194959e-02	2.110592e-02	1.098812e-03
C29	0	2.279398e-02	4.971189e-02	9.015369e-02	4.414294e-03
C30	0	2.185229e-03	4.779891e-03	8.732306e-03	4.054571e-04
C31	0	6.086467e-02	1.411051e-01	2.630634e-01	1.028407e-02
E37-39	0	9.371056e-05	1.998611e-04	2.137949e-04	4.190727e-05
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	1.470264e-04	2.917732e-04	4.231517e-04	5.332192e-05
D35	0	1.425707e-04	3.141019e-04	5.819291e-04	2.733457e-05
D35	0	7.628773e-05	1.431280e-04	2.063112e-04	2.978664e-05
D35	0	5.719345e-06	1.069878e-05	1.550357e-05	2.235186e-06
D35	0	2.745604e-07	5.178615e-07	8.307572e-07	9.782260e-08
D35	0	2.134306e-07	3.997565e-07	5.791392e-07	8.359814e-08
D35	0	4.398938e-06	8.228790e-06	1.192126e-05	1.719155e-06
D35	0	1.293263e-07	4.313129e-07	1.367761e-07	3.793023e-08
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	1.176219e-05	2.200271e-05	3.188361e-05	4.596798e-06
D35	0	5.814584e-05	1.087694e-04	1.576152e-04	2.272406e-05
D35	0	2.006045e-04	4.189475e-04	6.049844e-04	6.833268e-05
D35	0	8.163927e-05	1.841693e-04	2.248277e-04	2.710998e-05
D35	0	3.009625e-04	6.295500e-04	9.007092e-04	1.044287e-04
E36	0	2.604592e-05	6.647758e-05	6.066298e-05	3.912565e-06
F	0	2.515274e-03	5.463953e-03	8.168189e-03	5.912469e-04
F	0	2.104207e-06	4.740658e-06	6.624046e-06	5.175813e-07
G45	0	5.829510e-04	1.063084e-03	1.753587e-03	1.961952e-04
G47	0	1.903670e-04	3.480101e-04	5.731754e-04	6.255130e-05
G46	0	3.000320e-02	7.207024e-02	5.793307e-02	9.475840e-03
G47	0	1.008975e-02	2.252069e-02	3.926434e-02	2.004918e-03
I	0	9.094499e-04	1.895796e-03	3.414346e-03	2.116629e-04
H49	0	7.001428e-03	1.052060e-02	1.509247e-02	3.380562e-03
H49	0	2.502098e-02	3.850819e-02	5.646424e-02	1.169884e-02
H49	0	1.714123e-04	3.033679e-04	4.941288e-04	6.309621e-05
H50	0	1.832293e-04	2.690118e-04	3.777183e-04	9.111425e-05
H50	0	4.572437e-06	7.167085e-06	1.059224e-05	2.053283e-06
H51	0	5.533003e-04	1.136731e-03	2.027917e-03	1.368844e-04
H52	0	2.705874e-02	4.891047e-02	4.199070e-02	8.094533e-03
H53	0	7.681210e-04	1.616789e-03	2.894581e-03	1.607917e-04
K64	0	2.320026e-03	4.888161e-03	8.868113e-03	5.246476e-04
K65	0	1.292487e-03	2.621871e-03	4.572802e-03	3.021668e-04
K66	0	3.711676e-06	1.138868e-05	4.469262e-05	2.502543e-06
L68	0	1.193228e-03	1.793777e-03	3.620640e-03	5.953876e-04
M_N	0	1.332335e-03	2.771452e-03	4.855803e-03	2.718445e-04
J62_63	0	8.082559e-04	1.825570e-03	3.449358e-03	1.382443e-04
M_N	0	1.634930e-03	3.509181e-03	3.334465e-03	8.253016e-04
M_N	0	1.134687e-02	2.350521e-02	3.998523e-02	2.487169e-03

	O84	0	1.344480e-04	2.963206e-04	5.369041e-04	2.562177e-05
	P85	0	7.923683e-05	1.645268e-04	2.930199e-04	1.802064e-05
	M_N	0	6.009839e-05	1.267903e-04	2.226226e-04	1.325208e-05
	E37-39	0	1.916682e-05	4.037968e-05	5.638919e-05	6.657292e-06
	E37-39	0	1.242521e-05	2.631232e-05	3.476391e-05	4.728032e-06
	E37-39	0	3.052239e-06	7.206899e-06	9.717084e-06	7.139327e-07
	E37-39	0	1.691425e-04	2.177836e-04	2.489673e-04	8.921797e-06
	E37-39	0	2.505236e-06	6.070045e-06	7.477229e-06	5.984870e-07
	E37-39	0	3.824900e-06	7.798939e-06	1.158845e-05	1.340781e-06
	E37-39	0	2.157132e-05	4.549861e-05	1.040793e-04	7.516804e-06
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	1.133546e-04	2.410510e-04	3.267359e-04	3.941065e-05
	E37-39	0	2.072101e-05	4.368435e-05	6.173053e-05	6.987648e-06
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	4.341549e-05	9.149331e-05	1.272431e-04	1.506560e-05
	E37-39	0	8.063860e-05	1.698567e-04	2.356278e-04	2.808779e-05
	E37-39	0	1.138574e-04	2.396848e-04	3.339381e-04	3.928789e-05
	E37-39	0	7.600002e-05	1.600730e-04	2.218292e-04	2.648407e-05
	E37-39	0	9.045137e-06	1.905384e-05	2.693526e-05	2.993309e-06
	E37-39	0	5.238875e-05	4.884681e-04	2.350087e-04	1.830017e-05
	E37-39	0	1.600233e-05	3.371588e-05	4.710518e-05	5.428932e-06
	E37-39	0	2.071695e-05	4.363553e-05	6.102794e-05	7.145296e-06
	R_S	0	2.097211e-05	4.297802e-05	3.833446e-05	3.858190e-06
	R_S	0	2.208145e-04	4.447649e-04	7.825100e-04	5.563822e-05
	R_S	0	4.345952e-05	9.241669e-05	1.677570e-04	9.353240e-06
	T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
DE	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	6.047774e-02	2.644518e-09	4.811165e-09	2.867371e-10
	A01	0	8.573566e-10	6.173075e-02	3.293517e-09	1.962879e-10
	A01	0	5.978322e-10	1.262333e-09	6.620250e+00	1.368710e-10
	A01	0	6.952436e-10	1.468019e-09	2.670763e-09	1.184901e-02
	A01	0	1.156524e-05	1.370198e-05	1.919212e-05	5.451952e-06
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	2.537676e-04	4.322311e-04	6.570986e-04	1.045325e-03
	A01	0	1.805488e-09	3.812320e-09	6.935745e-09	4.133584e-10
	A01	0	3.188462e-09	6.732494e-09	1.224841e-08	7.299840e-10
	A01	0	7.457632e-10	1.574692e-09	2.864833e-09	1.707391e-10
	A01	0	2.947202e-04	4.924909e-04	7.632951e-04	1.182208e-04
	A01	0	1.143996e-04	1.896597e-04	2.924354e-04	4.662941e-05
	A01	0	2.863842e-09	6.047053e-09	1.100139e-08	6.556637e-10
	A01	0	4.570163e-12	9.649978e-12	1.755618e-11	1.046318e-12
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	9.890415e-04	2.204557e-03	4.477577e-03	1.677061e-04
	A03	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	1.572841e-01	3.342374e-01	5.930057e-01	3.401763e-02

B_nongas	0	1.216723e-02	2.428979e-02	7.108889e-03	1.988258e-03
B_gas	0	8.246892e-02	1.646893e-01	4.945211e-02	1.345538e-02
B_gas	0	3.903638e-05	7.809497e-05	4.908179e-05	7.231437e-06
B_nongas	0	1.558727e-06	3.250323e-06	3.169300e-05	1.266021e-06
B_nongas	0	1.497185e-06	3.187913e-06	5.692585e-06	2.878937e-07
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	3.473888e-05	6.711598e-05	1.329290e-04	8.972166e-06
B_nongas	0	8.337073e-09	1.774977e-08	3.158010e-08	1.598331e-09
B_nongas	0	2.122734e-03	4.616569e-03	8.748328e-03	4.058782e-04
B_nongas	0	1.190591e-03	2.486256e-03	4.732518e-03	2.527191e-04
B_nongas	0	6.413961e-02	1.417156e-01	2.636646e-01	1.203394e-02
C10-12	0	5.688330e-05	1.236454e-05	1.950334e-04	4.894073e-05
C10-12	0	9.676650e-05	3.240589e-05	3.349693e-04	7.931110e-05
C10-12	0	9.587399e-05	2.269688e-05	3.280493e-04	8.189439e-05
C10-12	0	5.482847e-06	2.101129e-06	1.796491e-05	4.438557e-06
C10-12	0	2.834431e-05	6.819867e-06	9.728339e-05	2.416856e-05
C10-12	0	7.790120e-04	1.661283e-04	2.677498e-03	6.712121e-04
C10-12	0	2.853728e-09	4.508552e-09	6.663468e-09	1.257145e-09
C10-12	0	3.837621e-05	9.131478e-06	1.317454e-04	3.275534e-05
C10-12	0	1.067666e-03	2.417312e-04	3.680341e-03	9.147393e-04
C10-12	0	2.704008e-04	6.820262e-05	9.261210e-04	2.296016e-04
C10-12	0	7.519025e-04	2.124450e-04	2.568968e-03	6.311261e-04
C10-12	0	4.638967e-04	3.386202e-04	2.100197e-01	7.934430e-03
C13-15	0	4.610619e-02	1.104268e-01	2.191706e-01	6.186373e-03
C13-15	0	1.656078e-03	4.225542e-03	8.441114e-03	1.457536e-04
C13-15	0	3.579099e-02	8.550808e-02	1.661793e-01	4.941831e-03
C16	0	3.736036e-02	8.287857e-02	1.543871e-01	6.496610e-03
C16	0	6.530187e-03	1.447575e-02	2.694238e-02	1.136757e-03
C17	0	1.671605e-04	2.893976e-04	6.572549e-04	5.775625e-05
C17	0	9.423291e-04	1.730952e-03	3.764389e-03	2.898946e-04
C17	0	9.038183e-02	1.949884e-01	3.598324e-01	1.870938e-02
C18	0	2.832830e-03	6.363485e-03	1.190854e-02	4.896630e-04
C19	0	5.789605e-04	6.711341e-04	1.234128e-03	2.903596e-04
C19	0	9.759952e+00	1.952299e+01	5.958389e+00	1.580388e+00
C24	0	2.689315e-04	6.040981e-05	9.172940e-04	2.306661e-04
C20-21	0	5.440928e-01	1.091691e+00	3.786848e-01	8.834893e-02
C20-21	0	7.523323e-02	1.510127e-01	5.424884e-02	1.218750e-02
C20-21	0	1.183428e-02	3.944917e-02	1.187157e-02	3.538747e-03
C20-21	0	1.045806e+00	3.034629e-03	3.701551e+00	9.632982e-01
C20-21	0	2.784328e-02	6.463858e-02	2.280404e-02	4.756150e-03
C22	0	3.659792e-01	8.353555e-01	1.559311e+00	5.422162e-02
C23	0	4.675272e-02	1.013896e-01	1.824767e-01	8.312638e-03
C23	0	1.658912e-02	3.597695e-02	6.475065e-02	2.949148e-03
C23	0	2.917863e-03	6.201565e-03	1.107872e-02	5.639390e-04
C23	0	5.830032e-04	1.189522e-03	2.085564e-03	1.294295e-04

C23	0	2.980501e-03	5.925513e-03	1.025878e-02	7.140767e-04
C23	0	4.908585e-04	9.756099e-04	1.688835e-03	1.177415e-04
C23	0	2.030402e-02	4.459904e-02	8.086314e-02	3.442759e-03
C24	0	9.366638e-02	1.863910e-01	6.835884e-02	1.577259e-02
C24	0	3.274435e-02	6.512216e-02	2.353531e-02	5.515818e-03
C24	0	4.737911e-03	9.389938e-03	3.470956e-03	8.139897e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	7.924204e-03	1.571010e-02	5.886926e-03	1.360797e-03
C24	0	1.139666e-02	2.259436e-02	8.464840e-03	1.957057e-03
C24	0	3.225250e-03	6.404055e-03	2.540620e-03	5.525418e-04
C24	0	1.437270e-03	2.849099e-03	1.068942e-03	2.470427e-04
C24	0	2.469330e-02	4.898885e-02	1.821817e-02	4.219237e-03
C24	0	1.750915e-05	3.470820e-05	1.301923e-05	3.009516e-06
C24	0	2.619977e-03	5.189594e-03	1.877172e-03	4.505005e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.573481e-02	5.105170e-02	1.896189e-02	4.398335e-03
C25_33	0	1.800471e-01	3.936820e-01	6.814468e-01	2.726089e-02
C25	0	1.979132e-01	4.501296e-01	7.454474e-01	3.972505e-02
C26	0	6.402962e-02	1.466878e-01	2.792841e-01	1.079219e-02
C27	0	1.347165e+00	2.933449e+00	5.376948e+00	2.547037e-01
C27	0	1.252353e-02	2.749582e-02	5.065882e-02	2.324458e-03
C28_32	0	8.979491e-02	2.003139e-01	3.895549e-01	1.654110e-02
C29	0	3.694948e-02	8.186319e-02	1.464364e-01	6.978034e-03
C30	0	1.003351e-02	2.244601e-02	4.176459e-02	1.751372e-03
C31	0	5.065180e-01	1.174337e+00	2.244890e+00	7.900984e-02
E37-39	0	7.136993e-04	1.529189e-03	2.548970e-03	1.480427e-04
E37-39	0	3.088981e-03	6.528519e-03	1.125355e-02	5.594123e-04
D35	0	4.285339e-03	9.126200e-03	1.590258e-02	8.971883e-04
D35	0	1.125093e-03	2.375951e-03	4.076149e-03	2.441701e-04
D35	0	1.241194e-03	2.617370e-03	4.490990e-03	2.683411e-04
D35	0	2.023092e-04	4.263865e-04	7.248472e-04	4.408199e-05
D35	0	3.313033e-04	7.002724e-04	1.195428e-03	7.209453e-05
D35	0	1.062199e-04	2.243867e-04	3.848166e-04	2.307425e-05
D35	0	2.369832e-04	4.981219e-04	8.560168e-04	5.091240e-05
D35	0	2.454600e-05	5.165046e-05	8.887357e-05	5.375902e-06
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	1.039247e-04	2.193008e-04	3.733927e-04	2.281601e-05
D35	0	2.719196e-03	5.786905e-03	1.007790e-02	5.673920e-04
D35	0	8.456815e-03	1.801992e-02	3.140115e-02	1.755039e-03
D35	0	3.849077e-03	8.193437e-03	1.426976e-02	7.995318e-04
D35	0	7.341998e-04	1.528614e-03	2.607611e-03	1.541314e-04
E36	0	5.138172e-03	1.089957e-02	1.890747e-02	8.876847e-04
F	0	5.785678e-02	1.315719e-01	1.888907e-01	1.320151e-02
F	0	1.184826e-04	2.697220e-04	3.797227e-04	2.755653e-05
G45	0	1.279600e-03	2.460708e-03	4.117659e-03	3.503791e-04
G47	0	4.977197e-04	9.275911e-04	1.538192e-03	1.521841e-04

G46	0	3.043184e-02	5.263700e-02	9.186261e-02	1.078403e-02
G47	0	7.786557e-03	1.735458e-02	3.201284e-02	1.410765e-03
I	0	2.078199e-02	4.373336e-02	7.919298e-02	4.667485e-03
H49	0	1.007419e-01	1.474792e-01	2.065640e-01	5.032802e-02
H49	0	1.510749e-01	2.291415e-01	3.316692e-01	7.209397e-02
H49	0	2.801248e-04	4.512659e-04	6.780129e-04	1.217218e-04
H50	0	4.074998e-01	8.093644e-01	2.549664e-01	6.949455e-02
H50	0	8.896315e-03	1.664754e-02	8.245829e-03	2.160260e-03
H51	0	7.093205e-03	1.384246e-02	2.407981e-02	2.088085e-03
H52	0	1.122538e-01	1.810938e-01	2.759271e-01	4.898168e-02
H53	0	2.361549e-02	5.027352e-02	8.990271e-02	4.841236e-03
K64	0	1.441837e-01	3.037870e-01	5.511323e-01	3.260571e-02
K65	0	1.221850e-02	2.478663e-02	4.323166e-02	2.856328e-03
K66	0	6.441007e-05	2.025781e-04	8.049272e-04	4.379026e-05
L68	0	3.732482e-03	7.811610e-03	1.400746e-02	8.133566e-04
M_N	0	3.687372e-02	7.631597e-02	1.330255e-01	7.576808e-03
J62_63	0	3.239407e-03	7.379190e-03	1.399382e-02	5.590561e-04
M_N	0	1.493961e-04	3.202864e-04	5.601101e-04	3.379297e-05
M_N	0	3.819190e-01	7.895452e-01	1.371302e+00	7.801649e-02
O84	0	3.161130e-05	7.117702e-05	1.010169e-04	7.665106e-06
P85	0	5.906676e-05	1.246019e-04	2.264241e-04	1.344982e-05
M_N	0	9.065515e-05	2.138262e-04	4.129965e-04	1.339835e-05
E37-39	0	3.329710e-05	7.254762e-05	1.320374e-04	6.425886e-06
E37-39	0	4.113062e-05	8.964596e-05	1.632607e-04	7.958433e-06
E37-39	0	5.272357e-05	1.141200e-04	2.082802e-04	1.071727e-05
E37-39	0	5.273654e-03	6.239640e-03	7.020222e-03	3.277097e-05
E37-39	0	5.742506e-06	1.241352e-05	2.254939e-05	1.148194e-06
E37-39	0	2.503061e-05	5.531237e-05	1.015147e-04	4.602369e-06
E37-39	0	8.742930e-05	1.944648e-04	7.416532e-04	1.573410e-05
E37-39	0	3.207321e-06	6.964549e-06	1.263369e-05	4.276875e-07
E37-39	0	5.543112e-07	1.200884e-06	2.181407e-06	6.295523e-08
E37-39	0	1.323614e-04	2.876949e-04	5.238087e-04	2.476146e-05
E37-39	0	9.849526e-05	2.172640e-04	4.020105e-04	1.884093e-05
E37-39	0	1.385858e-07	2.890823e-07	5.101176e-07	2.903812e-08
E37-39	0	4.423307e-05	9.832870e-05	1.823958e-04	7.943036e-06
E37-39	0	3.688581e-04	8.067263e-04	1.482239e-03	6.894518e-05
E37-39	0	4.696489e-06	1.075225e-05	2.041861e-05	7.885819e-07
E37-39	0	5.925827e-06	1.296274e-05	2.367717e-05	1.092134e-06
E37-39	0	9.203046e-07	2.024473e-06	3.734886e-06	1.119759e-07
E37-39	0	5.134512e-05	6.080845e-04	3.273030e-04	8.615453e-06
E37-39	0	2.814277e-06	6.457417e-06	1.229382e-05	4.701695e-07
E37-39	0	1.597139e-06	3.571136e-06	6.647152e-06	2.853800e-07
R_S	0	8.314634e-08	1.755653e-07	3.194061e-07	1.903618e-08
R_S	0	3.758516e-03	7.998847e-03	1.451969e-02	8.457517e-04
R_S	0	8.148081e-05	1.720835e-04	3.131453e-04	1.867665e-05
T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
DK A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

A01	0	5.318501e-04	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	6.028247e-03	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	7.393935e-03	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	2.334322e-04
A01	0	8.117593e-06	9.617298e-06	1.347071e-05	3.826718e-06
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	2.909502e-07	6.049487e-07	1.041726e-06	1.101958e-05
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	2.986849e-05	6.204294e-05	1.069911e-04	6.131625e-06
A01	0	7.073407e-07	1.470634e-06	2.533480e-06	1.453919e-07
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0	1.016802e-07	2.104441e-07	1.190896e-05	2.089380e-08
A03	0	1.329362e-07	2.785802e-07	4.752848e-07	2.760325e-08
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	7.463899e-07	1.680795e-06	2.521100e-06	1.646083e-07
B_gas	0	2.332285e-07	4.824519e-07	8.395969e-07	4.779721e-08
B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	5.710892e-09	1.249117e-08	2.054660e-08	1.159031e-09
B_nongas	0	1.401302e-06	3.158305e-06	5.879830e-06	2.387650e-07
B_nongas	0	1.360259e-04	3.006691e-04	5.592769e-04	2.548951e-05
C10-12	0	5.835240e-05	2.034438e-07	2.067772e-04	5.374295e-05
C10-12	0	1.218956e-05	2.404343e-06	4.324536e-05	1.041424e-05
C10-12	0	2.895194e-06	1.568766e-06	1.029966e-05	2.126165e-06
C10-12	0	7.235632e-08	7.070212e-08	2.768447e-07	4.315141e-08
C10-12	0	3.826743e-07	1.352325e-07	1.390813e-06	3.076478e-07
C10-12	0	2.072201e-05	3.150643e-06	7.357867e-05	1.804210e-05
C10-12	0	8.022873e-10	1.843810e-09	3.503315e-09	1.289057e-10
C10-12	0	2.368504e-06	1.720282e-06	8.488100e-06	1.590840e-06
C10-12	0	1.743316e-05	5.077660e-06	6.196924e-05	1.433714e-05
C10-12	0	5.907192e-06	6.855280e-07	2.094813e-05	5.212934e-06
C10-12	0	1.704263e-05	5.951234e-06	6.064219e-05	1.367864e-05
C10-12	0	1.167814e-05	1.839412e-05	2.282988e-03	8.638300e-05
C13-15	0	7.172692e-04	1.740443e-03	3.432557e-03	8.927869e-05
C13-15	0	3.041755e-05	7.511999e-05	1.477528e-04	3.360344e-06
C13-15	0	9.199101e-05	2.197664e-04	4.271046e-04	1.270665e-05

C16	0	1.463459e-04	3.216527e-04	6.029329e-04	2.615999e-05
C16	0	1.353136e-04	2.974125e-04	5.573078e-04	2.417281e-05
C17	0	9.913990e-07	2.282104e-06	4.251513e-06	1.542326e-07
C17	0	4.349018e-06	1.004057e-05	1.873239e-05	6.894001e-07
C17	0	3.201005e-04	6.949699e-04	1.280013e-03	6.484229e-05
C18	0	1.315245e-04	2.967873e-04	5.540122e-04	2.194042e-05
C19	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	0	4.604717e-03	9.258749e-03	3.548175e-03	7.540176e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	3.180982e-05	6.674842e-05	1.082245e-04	6.161568e-06
C20-21	0	1.248442e-04	2.667341e-04	4.361786e-04	2.318466e-05
C20-21	0	8.046265e-07	1.703940e-06	2.640087e-06	1.504440e-07
C20-21	0	1.257050e-02	6.375733e-06	4.454186e-02	1.159032e-02
C20-21	0	1.508255e-05	3.196616e-05	5.018916e-05	2.825632e-06
C22	0	4.548198e-03	1.003211e-02	1.921797e-02	7.914819e-04
C23	0	2.852662e-04	6.189202e-04	1.114957e-03	5.120235e-05
C23	0	1.106656e-04	2.400780e-04	4.324593e-04	1.988025e-05
C23	0	7.559425e-05	1.646606e-04	2.977702e-04	1.365735e-05
C23	0	1.361804e-04	2.932035e-04	5.284611e-04	2.650889e-05
C23	0	6.711939e-05	1.444743e-04	2.602911e-04	1.307368e-05
C23	0	1.702382e-05	3.664243e-05	6.602692e-05	3.318205e-06
C23	0	1.685807e-04	3.668351e-04	6.634178e-04	3.080606e-05
C24	0	1.309787e-04	2.950139e-04	5.113825e-04	2.044254e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.250535e-06	5.180788e-06	9.285770e-06	3.634678e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.421625e-05	5.433623e-05	9.510011e-05	3.722896e-06
C24	0	7.902475e-05	1.781707e-04	3.074640e-04	1.244404e-05
C24	0	3.481555e-05	7.708452e-05	1.331412e-04	5.204787e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.118406e-05	2.526404e-05	4.448202e-05	1.736900e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	8.127956e-06	1.824609e-05	3.193853e-05	1.247038e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	0	5.497376e-03	1.201423e-02	2.113616e-02	8.930596e-04
C25	0	3.277104e-03	7.540102e-03	1.190398e-02	6.633242e-04
C26	0	5.371602e-06	1.267366e-05	2.000544e-05	1.089816e-06
C27	0	2.072015e-02	4.512146e-02	8.267310e-02	3.912729e-03
C27	0	1.269987e-04	2.671237e-04	5.077714e-04	2.789101e-05
C28_32	0	1.312378e-03	3.070042e-03	5.872628e-03	2.009119e-04
C29	0	3.602781e-05	7.914439e-05	1.408780e-04	6.893401e-06
C30	0	1.706301e-04	3.905149e-04	7.364208e-04	2.751052e-05
C31	0	7.048964e-03	1.634863e-02	3.123857e-02	1.096988e-03
E37-39	0	7.322066e-08	1.515423e-07	2.641539e-07	1.504570e-08
E37-39	0	8.273885e-06	1.715378e-05	3.001464e-05	1.716752e-06
D35	0	3.626708e-08	7.509856e-08	1.310500e-07	7.473526e-09
D35	0	2.403508e-10	5.075050e-10	9.233025e-10	5.502723e-11

D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	3.469214e-07	7.180085e-07	1.251553e-06	7.128540e-08
D35	0	1.268977e-08	2.627682e-08	4.585411e-08	2.614970e-09
D35	0	1.961185e-09	4.061042e-09	7.086682e-09	4.041396e-10
D35	0	4.004385e-09	8.291915e-09	1.446973e-08	8.251801e-10
D35	0	8.718351e-14	1.840895e-13	3.349135e-13	1.996027e-14
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	4.228151e-10	8.927816e-10	1.624235e-09	9.680161e-11
D35	0	8.592892e-08	1.779338e-07	3.105016e-07	1.770730e-08
D35	0	8.865195e-08	1.835724e-07	3.203412e-07	1.826843e-08
D35	0	2.138094e-09	4.514623e-09	8.213443e-09	4.895070e-10
E36	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
F	0	1.578362e-02	3.497807e-02	6.465139e-02	2.854173e-03
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	1.167494e-04	2.115667e-04	3.435492e-04	3.803649e-05
G47	0	1.759956e-05	3.369684e-05	5.668115e-05	4.945249e-06
G46	0	2.448999e-03	3.962627e-03	5.971825e-03	1.016984e-03
G47	0	8.418598e-05	1.599847e-04	2.664611e-04	2.382663e-05
I	0	6.512295e-04	1.368867e-03	2.472013e-03	1.453789e-04
H49	0	8.576245e-04	1.253130e-03	1.752715e-03	4.294684e-04
H49	0	4.277092e-03	6.465852e-03	9.338421e-03	2.050691e-03
H49	0	3.016904e-06	4.602666e-06	6.637708e-06	1.419942e-06
H50	0	4.645601e-04	6.933899e-04	9.651420e-04	2.287001e-04
H50	0	6.266333e-05	9.152336e-05	1.278026e-04	3.140723e-05
H51	0	7.241245e-05	1.392506e-04	2.404044e-04	2.226966e-05
H52	0	1.730035e-03	2.806274e-03	4.304865e-03	7.496824e-04
H53	0	1.209049e-04	2.579625e-04	4.393582e-04	2.622844e-05
K64	0	2.754779e-03	5.803197e-03	1.052244e-02	6.218792e-04
K65	0	2.598552e-04	5.271358e-04	9.193896e-04	6.075004e-05
K66	0	8.896103e-07	2.662225e-06	9.980906e-06	5.456094e-07
L68	0	3.237284e-05	6.768958e-05	1.209566e-04	7.012425e-06
M_N	0	5.944481e-04	1.230603e-03	2.145487e-03	1.220909e-04
J62_63	0	8.402271e-05	1.837923e-04	3.373790e-04	1.586163e-05
M_N	0	3.259742e-05	6.791574e-05	1.200856e-04	6.951500e-06
M_N	0	7.250329e-03	1.499260e-02	2.602853e-02	1.481362e-03
O84	0	1.581299e-06	3.317121e-06	5.952536e-06	3.498017e-07
P85	0	7.949165e-07	1.667480e-06	2.993959e-06	1.757614e-07
M_N	0	2.131278e-06	4.411433e-06	7.691121e-06	4.381695e-07
E37-39	0	1.426002e-07	2.973867e-07	5.244823e-07	2.967140e-08
E37-39	0	4.936029e-08	1.047367e-07	1.895345e-07	1.055830e-08
E37-39	0	9.244697e-08	1.974688e-07	3.607061e-07	1.995656e-08
E37-39	0	1.355271e-06	1.564201e-06	1.696579e-06	3.764236e-09
E37-39	0	6.972369e-08	1.480157e-07	2.681532e-07	1.496243e-08
E37-39	0	3.962810e-08	8.343636e-08	1.492852e-07	8.374856e-09
E37-39	0	4.110456e-08	8.564448e-08	1.867708e-06	8.539425e-09

[illegible]

B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	1.029361e-05	2.032315e-05	3.310615e-05	3.255679e-06
B_nongas	0	1.286666e-06	2.265567e-06	3.343268e-06	5.232406e-07
B_nongas	0	6.425593e-07	1.113486e-06	1.610369e-06	2.696767e-07
C10-12	0	3.210653e-07	6.285921e-07	1.066742e-06	8.388999e-08
C10-12	0	2.433039e-06	4.347416e-06	7.010178e-06	8.366240e-07
C10-12	0	1.655646e-07	3.258212e-07	5.533471e-07	4.225247e-08
C10-12	0	1.442401e-08	2.986276e-08	5.163970e-08	3.326378e-09
C10-12	0	6.093755e-08	1.205973e-07	2.056499e-07	1.534555e-08
C10-12	0	8.833678e-06	1.774700e-05	3.040310e-05	2.091732e-06
C10-12	0	4.217832e-09	8.379691e-09	1.429412e-08	1.032076e-09
C10-12	0	5.363936e-10	1.371817e-09	2.360116e-09	8.862545e-11
C10-12	0	6.311947e-06	1.266997e-05	2.172984e-05	1.490850e-06
C10-12	0	5.955159e-07	1.185763e-06	2.018452e-06	1.470758e-07
C10-12	0	6.693018e-06	1.345246e-05	2.308734e-05	1.571936e-06
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	0	2.693529e-04	6.601700e-04	1.296461e-03	3.151768e-05
C13-15	0	1.455042e-05	3.397505e-05	6.487277e-05	2.177371e-06
C13-15	0	1.901573e-05	4.536543e-05	8.806991e-05	2.650245e-06
C16	0	4.773548e-04	1.060011e-03	1.956690e-03	8.262472e-05
C16	0	2.653657e-04	5.886843e-04	1.086213e-03	4.618789e-05
C17	0	1.158512e-06	2.453351e-06	4.050918e-06	2.704484e-07
C17	0	8.346467e-08	1.743861e-07	2.909462e-07	1.955422e-08
C17	0	1.168246e-04	2.526888e-04	4.647007e-04	2.397202e-05
C18	0	8.295524e-06	1.690290e-05	2.958187e-05	1.951661e-06
C19	0	1.656706e-07	2.924537e-07	4.188075e-07	4.180247e-08
C19	0	6.458183e-05	7.553208e-05	2.782360e-05	2.232746e-05
C24	0	1.172747e-09	2.425043e-09	4.213183e-09	2.394261e-10
C20-21	0	3.723704e-07	7.700457e-07	1.353670e-06	6.960753e-08
C20-21	0	2.343327e-06	4.789457e-06	8.279963e-06	5.136649e-07
C20-21	0	2.100570e-08	4.298005e-08	7.432072e-08	4.605448e-09
C20-21	0	3.740620e-06	7.661801e-06	1.328339e-05	8.084990e-07
C20-21	0	1.103949e-06	2.263815e-06	6.021262e-06	2.420172e-07
C22	0	7.986685e-05	1.819443e-04	3.361453e-04	1.217291e-05
C23	0	3.832383e-05	8.179829e-05	1.460492e-04	7.435358e-06
C23	0	1.527115e-06	3.202939e-06	5.667762e-06	3.223526e-07
C23	0	3.127377e-07	5.480272e-07	8.743188e-07	1.153544e-07
C23	0	2.113147e-07	3.572465e-07	5.560967e-07	8.385676e-08
C23	0	1.324067e-05	2.254707e-05	3.523641e-05	5.176230e-06
C23	0	7.580937e-06	1.278542e-05	1.985999e-05	3.019284e-06
C23	0	4.248601e-06	7.855902e-06	1.299061e-05	1.386391e-06
C24	0	5.945342e-07	1.342250e-06	2.089072e-06	1.068023e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.229384e-06	2.556898e-06	4.432328e-06	2.497969e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.272557e-07	4.910107e-07	8.067862e-07	4.412693e-08
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	6.914482e-08	1.493606e-07	2.452107e-07	1.349992e-08

C24	0	3.916474e-06	8.108980e-06	1.412810e-05	8.040942e-07
C24	0	2.013006e-06	4.182086e-06	7.254288e-06	4.111218e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.574642e-07	3.393092e-07	5.521113e-07	3.252557e-08
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.068726e-08	6.626895e-08	1.086590e-07	6.036134e-09
C25_33	0	1.914292e-04	4.186493e-04	7.140957e-04	2.922021e-05
C25	0	5.496846e-05	1.285866e-04	1.853265e-04	1.218771e-05
C26	0	6.224716e-06	1.420381e-05	2.693250e-05	1.059100e-06
C27	0	3.491420e-04	7.611347e-04	1.393465e-03	6.595576e-05
C27	0	4.264965e-05	9.267684e-05	1.678984e-04	8.171259e-06
C28_32	0	3.530909e-05	8.255114e-05	1.570177e-04	5.371984e-06
C29	0	5.946137e-06	1.290155e-05	2.270777e-05	1.061501e-06
C30	0	5.038722e-07	1.041260e-06	1.809595e-06	1.047610e-07
C31	0	4.971139e-04	1.150522e-03	2.195498e-03	7.808406e-05
E37-39	0	2.733235e-06	4.605015e-06	7.160471e-06	1.073248e-06
E37-39	0	7.922954e-06	1.730464e-05	3.139597e-05	1.435198e-06
D35	0	1.360128e-05	3.068361e-05	4.937627e-05	2.821081e-06
D35	0	2.917192e-07	6.581156e-07	1.058981e-06	6.051011e-08
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	1.297133e-08	2.869147e-08	4.731006e-08	2.664575e-09
D35	0	7.688998e-08	1.740329e-07	2.808482e-07	1.587639e-08
D35	0	2.610917e-08	5.911726e-08	9.532384e-08	5.383423e-09
D35	0	2.005053e-08	4.540096e-08	7.319843e-08	4.134523e-09
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	2.531860e-07	5.698221e-07	9.151035e-07	5.268972e-08
D35	0	5.612751e-06	1.266206e-05	2.037564e-05	1.164166e-06
D35	0	4.028399e-06	9.087908e-06	1.462391e-05	8.355576e-07
D35	0	2.473583e-06	5.580269e-06	8.979705e-06	5.130569e-07
D35	0	1.483986e-05	3.347870e-05	5.387019e-05	3.078125e-06
E36	0	1.970313e-06	4.312771e-06	6.920217e-06	4.451669e-07
F	0	1.849507e-04	4.899589e-04	5.848629e-04	4.615524e-05
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	6.822551e-05	1.359914e-04	2.311084e-04	1.688972e-05
G47	0	1.131697e-05	2.274665e-05	3.877220e-05	2.728005e-06
G46	0	7.829606e-04	1.547994e-03	2.634902e-03	1.983062e-04
G47	0	1.463975e-04	2.994641e-04	5.161593e-04	3.209520e-05
I	0	5.098076e-05	1.056194e-04	1.884275e-04	1.177347e-05
H49	0	6.285811e-04	9.292437e-04	1.312382e-03	3.097150e-04
H49	0	1.627536e-03	2.504854e-03	3.666472e-03	7.590682e-04
H49	0	4.327639e-06	7.942348e-06	1.309461e-05	1.406316e-06
H50	0	7.707434e-04	1.167122e-03	1.679956e-03	3.659566e-04
H50	0	1.454940e-05	2.441697e-05	3.784031e-05	5.750531e-06
H51	0	2.510445e-05	4.675822e-05	7.908836e-05	8.334479e-06
H52	0	1.805483e-03	2.947719e-03	4.527908e-03	7.752751e-04

H53	0	3.935518e-05	8.171311e-05	1.439956e-04	8.338410e-06
K64	0	5.380472e-05	1.134850e-04	2.054118e-04	1.188112e-05
K65	0	1.290122e-06	2.653618e-06	4.626797e-06	2.766049e-07
K66	0	1.118688e-05	2.354893e-05	4.365034e-05	2.472796e-06
L68	0	4.591401e-05	9.699572e-05	1.671652e-04	9.829017e-06
M_N	0	1.237814e-03	2.555277e-03	4.448780e-03	2.576346e-04
J62_63	0	1.768287e-05	3.676811e-05	6.442929e-05	3.620900e-06
M_N	0	1.081835e-06	2.250837e-06	3.922756e-06	2.258176e-07
M_N	0	1.638002e-03	3.384854e-03	5.878730e-03	3.355349e-04
O84	0	7.231825e-06	1.309610e-05	2.134138e-05	2.438217e-06
P85	0	1.612750e-06	3.335221e-06	5.838866e-06	3.420247e-07
M_N	0	4.188746e-06	8.669644e-06	1.511529e-05	8.621317e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	7.218814e-09	1.508076e-08	2.727888e-08	1.712155e-09
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	1.387728e-07	2.878707e-07	5.035480e-07	2.867740e-08
E37-39	0	2.588098e-07	5.368679e-07	5.164603e-06	5.372171e-08
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	1.812379e-07	3.752923e-07	6.545999e-07	3.752033e-08
E37-39	0	1.154814e-06	2.425608e-06	4.317904e-06	2.437304e-07
E37-39	0	2.492292e-09	5.128779e-09	8.854046e-09	5.243874e-10
E37-39	0	3.002821e-07	6.241531e-07	1.095121e-06	6.252033e-08
E37-39	0	5.551901e-07	1.151424e-06	2.013110e-06	1.151632e-07
E37-39	0	7.373996e-07	1.529410e-06	2.670107e-06	1.533051e-07
E37-39	0	5.125532e-07	1.062117e-06	1.854888e-06	1.062898e-07
E37-39	0	3.321351e-07	6.893813e-07	1.207573e-06	6.103932e-08
E37-39	0	3.796682e-07	2.227468e-04	5.007076e-05	7.840626e-08
E37-39	0	1.203700e-07	2.505536e-07	4.409420e-07	1.928703e-08
E37-39	0	1.442999e-07	3.002683e-07	5.279271e-07	3.014949e-08
R_S	0	1.922446e-06	3.976853e-06	6.920694e-06	3.941672e-07
R_S	0	7.556976e-06	1.574033e-05	2.785560e-05	1.624293e-06
R_S	0	3.564607e-06	7.379035e-06	1.287899e-05	7.370025e-07
T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
ES A01	0	1.813301e-10	3.751661e-10	6.530184e-10	3.721194e-11
A01	0	4.305811e-04	7.478538e-07	1.299012e-06	7.389510e-08
A01	0	5.462973e-07	2.069295e-03	1.961676e-06	1.115907e-07
A01	0	1.037972e-06	2.145774e-06	3.643694e+00	2.120296e-07
A01	0	4.138429e-07	8.555262e-07	1.486247e-06	6.917869e-04
A01	0	4.792826e-08	9.908029e-08	1.720944e-07	9.790096e-09
A01	0	3.206774e-08	6.629225e-08	1.151435e-07	6.550232e-09
A01	0	5.594141e-06	1.205417e-05	1.857837e-05	1.414997e-06
A01	0	2.709615e-07	5.601493e-07	9.729924e-07	5.534857e-08
A01	0	7.803469e-07	1.613185e-06	2.802397e-06	1.594000e-07
A01	0	2.702714e-07	5.587262e-07	9.705331e-07	5.520955e-08

A01	0	1.662955e-06	3.420669e-06	5.942745e-06	3.528817e-07
A01	0	5.209693e-07	1.063364e-06	1.843576e-06	1.154427e-07
A01	0	6.785157e-07	1.402672e-06	2.436392e-06	1.385986e-07
A01	0	6.819333e-11	1.409732e-10	2.450320e-10	1.392937e-11
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0	1.539209e-06	3.412462e-06	6.972439e-06	2.844575e-07
A03	0	4.125651e-10	8.908926e-10	1.637693e-09	8.569648e-11
B_nongas	0	4.972490e-06	9.390041e-06	1.397482e-05	1.723783e-06
B_nongas	0	1.655928e-06	3.205557e-06	2.004837e-06	3.647627e-07
B_gas	0	1.635144e-07	3.164694e-07	1.972656e-07	3.603034e-08
B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	6.184854e-06	1.211366e-05	8.889822e-06	1.329796e-06
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	4.469401e-07	9.655329e-07	1.753309e-06	8.839652e-08
B_nongas	0	3.602838e-08	7.781724e-08	1.413336e-07	7.144534e-09
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	4.515448e-08	9.752459e-08	1.771302e-07	8.958509e-09
B_nongas	0	1.061972e-04	2.413816e-04	4.547574e-04	1.781209e-05
B_nongas	0	7.717361e-06	1.729783e-05	3.086195e-05	1.452928e-06
B_nongas	0	1.742313e-03	3.851154e-03	7.163486e-03	3.264970e-04
C10-12	0	1.276737e-06	2.656078e-06	4.641636e-06	2.600595e-07
C10-12	0	1.071456e-05	2.218346e-05	3.858453e-05	2.185725e-06
C10-12	0	1.741296e-06	3.628272e-06	6.339388e-06	3.524719e-07
C10-12	0	1.597332e-06	3.294379e-06	5.752556e-06	3.468451e-07
C10-12	0	2.265614e-06	4.813500e-06	8.521863e-06	4.447799e-07
C10-12	0	4.347848e-06	9.042320e-06	1.573362e-05	8.832385e-07
C10-12	0	2.142630e-07	4.386438e-07	7.374672e-07	5.049017e-08
C10-12	0	5.822349e-07	1.216344e-06	2.122766e-06	1.256607e-07
C10-12	0	1.041913e-05	2.206597e-05	3.845145e-05	2.088856e-06
C10-12	0	4.641108e-06	9.896359e-06	1.704760e-05	9.364329e-07
C10-12	0	4.046496e-06	8.548663e-06	1.492475e-05	8.109740e-07
C10-12	0	4.757990e-06	4.144173e-06	2.232478e-03	8.401486e-05
C13-15	0	1.697105e-03	4.119400e-03	8.040496e-03	2.077129e-04
C13-15	0	1.992708e-04	4.877033e-04	9.566972e-04	2.371193e-05
C13-15	0	6.969205e-03	1.665159e-02	3.236411e-02	9.621866e-04
C16	0	5.050130e-04	1.150996e-03	2.161416e-03	8.091905e-05
C16	0	1.726018e-04	3.940143e-04	7.412711e-04	2.761424e-05
C17	0	1.908769e-06	4.325184e-06	8.000844e-06	2.956879e-07
C17	0	6.196393e-06	1.413021e-05	2.620202e-05	9.239726e-07
C17	0	1.781011e-03	3.869589e-03	7.126833e-03	3.573813e-04
C18	0	2.536301e-04	5.669853e-04	1.053709e-03	4.434652e-05
C19	0	4.996699e-07	7.572106e-07	1.093582e-06	2.388661e-07
C19	0	7.314498e-03	1.460019e-02	4.157363e-03	1.198648e-03
C24	0	1.014117e-05	1.536782e-05	2.219521e-05	4.848038e-06
C20-21	0	2.543684e-04	5.758642e-04	1.028850e-03	3.998157e-05

C20-21	0	4.507378e-05	1.015394e-04	1.798935e-04	7.178546e-06
C20-21	0	1.186908e-07	2.612659e-07	4.626603e-07	2.147116e-08
C20-21	0	1.399654e-06	3.136409e-06	5.556568e-06	2.290792e-07
C20-21	0	3.082474e-05	6.950528e-05	1.234164e-04	4.889242e-06
C22	0	6.763237e-03	1.548931e-02	2.884671e-02	9.861791e-04
C23	0	8.734134e-04	1.898665e-03	3.419913e-03	1.539140e-04
C23	0	4.213387e-04	9.158225e-04	1.648387e-03	7.425131e-05
C23	0	2.258090e-04	4.961341e-04	8.962258e-04	3.837902e-05
C23	0	2.029652e-05	4.423686e-05	7.765716e-05	3.613396e-06
C23	0	3.369829e-04	7.376807e-04	1.322294e-03	6.005620e-05
C23	0	2.156150e-04	4.716498e-04	8.521186e-04	3.850861e-05
C23	0	3.215310e-04	7.101395e-04	1.288274e-03	5.354683e-05
C24	0	8.664394e-05	1.878725e-04	3.003590e-04	1.492599e-05
C24	0	2.670619e-04	5.785976e-04	9.138446e-04	4.653224e-05
C24	0	2.852777e-06	6.177977e-06	9.801948e-06	4.953231e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	4.202235e-05	9.107488e-05	1.436635e-04	7.291863e-06
C24	0	2.476235e-05	5.369054e-05	8.479397e-05	4.292410e-06
C24	0	1.773961e-05	3.849026e-05	6.234119e-05	2.933740e-06
C24	0	4.967228e-06	1.075061e-05	1.704113e-05	8.613201e-07
C24	0	4.802436e-05	1.040422e-04	1.638387e-04	8.357658e-06
C24	0	1.891665e-12	2.852718e-12	4.077849e-12	8.830678e-13
C24	0	1.479231e-06	3.202289e-06	5.079133e-06	2.565097e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	4.714430e-05	1.021264e-04	1.619033e-04	8.143021e-06
C25_33	0	7.941522e-03	1.743727e-02	3.048793e-02	1.295503e-03
C25	0	9.702659e-03	2.153834e-02	3.807882e-02	1.851552e-03
C26	0	1.158541e-04	2.651984e-04	5.018399e-04	1.926819e-05
C27	0	3.379276e-02	7.359496e-02	1.348272e-01	6.382493e-03
C27	0	7.797207e-05	1.725458e-04	3.098371e-04	1.449712e-05
C28_32	0	5.942232e-04	1.388735e-03	2.623530e-03	9.130344e-05
C29	0	9.194117e-04	2.036680e-03	3.688786e-03	1.734965e-04
C30	0	5.591699e-04	1.250567e-03	2.322356e-03	9.728915e-05
C31	0	5.081234e-03	1.178445e-02	2.246763e-02	7.914090e-04
E37-39	0	1.875850e-06	3.894147e-06	6.695362e-06	3.862624e-07
E37-39	0	6.329869e-06	1.176736e-05	1.938804e-05	1.920907e-06
D35	0	4.975592e-05	1.052048e-04	1.877338e-04	1.078194e-05
D35	0	1.240314e-04	2.645099e-04	4.761558e-04	2.588774e-05
D35	0	3.051767e-05	6.452254e-05	1.153649e-04	6.614268e-06
D35	0	1.270414e-05	2.685147e-05	4.809498e-05	2.749631e-06
D35	0	1.234958e-05	2.609930e-05	4.682112e-05	2.675370e-06
D35	0	2.197815e-05	4.645996e-05	8.307322e-05	4.762407e-06
D35	0	1.664918e-06	3.516595e-06	6.307144e-06	3.602120e-07
D35	0	2.243983e-07	4.742103e-07	8.495672e-07	4.856946e-08
D35	0	3.509369e-09	7.431906e-09	1.335588e-08	7.498675e-10
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	8.282556e-07	1.749473e-06	3.137826e-06	1.791962e-07

D35	0	1.133552e-05	2.396919e-05	4.282751e-05	2.456858e-06
D35	0	3.241065e-04	6.945574e-04	1.253109e-03	6.618687e-05
D35	0	2.043476e-04	4.369425e-04	7.876808e-04	4.213333e-05
D35	0	2.467528e-06	5.212995e-06	9.346922e-06	5.338774e-07
E36	0	1.412801e-05	3.429610e-05	4.822035e-05	2.994284e-06
F	0	1.088881e-03	2.507016e-03	3.225438e-03	2.689376e-04
F	0	1.917246e-06	4.392788e-06	5.723973e-06	4.730743e-07
G45	0	4.207374e-05	7.455628e-05	1.203884e-04	1.534138e-05
G47	0	2.195078e-05	3.946098e-05	6.432498e-05	7.508241e-06
G46	0	1.366538e-03	2.766428e-03	4.878828e-03	3.539416e-04
G47	0	1.816641e-04	3.986966e-04	7.165228e-04	3.802872e-05
I	0	4.462003e-03	9.382503e-03	1.698349e-02	1.005413e-03
H49	0	1.839656e-03	2.689548e-03	3.875395e-03	9.207373e-04
H49	0	9.268424e-03	1.403691e-02	2.125468e-02	4.433341e-03
H49	0	2.621438e-05	4.347065e-05	1.351644e-04	1.102071e-05
H50	0	1.854341e-04	2.710112e-04	3.791769e-04	9.284224e-05
H50	0	3.303468e-05	4.817000e-05	6.724383e-05	1.658566e-05
H51	0	1.107531e-03	2.303875e-03	4.139539e-03	2.617214e-04
H52	0	5.801922e-03	9.420955e-03	1.456302e-02	2.510023e-03
H53	0	2.812112e-04	5.813307e-04	1.016747e-03	6.424633e-05
K64	0	1.897288e-03	3.997554e-03	7.253378e-03	4.290608e-04
K65	0	2.065716e-04	4.196869e-04	7.318143e-04	4.781603e-05
K66	0	1.853862e-06	5.653198e-06	2.170309e-05	1.181947e-06
L68	0	5.683976e-05	1.190127e-04	2.129675e-04	1.238837e-05
M_N	0	4.821975e-04	9.979475e-04	1.736086e-03	9.961336e-05
J62_63	0	7.144304e-05	1.588000e-04	2.955026e-04	1.311878e-05
M_N	0	6.893941e-07	1.455544e-06	2.642218e-06	1.570374e-07
M_N	0	3.446397e-03	7.128623e-03	1.238356e-02	7.036097e-04
O84	0	2.956973e-04	4.973615e-04	7.732090e-04	1.198549e-04
P85	0	2.263391e-05	4.529200e-05	7.995704e-05	6.123579e-06
M_N	0	5.588635e-06	1.278348e-05	2.418807e-05	9.110492e-07
E37-39	0	1.139482e-07	2.414945e-07	4.220364e-07	2.431766e-08
E37-39	0	1.180476e-07	2.512043e-07	4.412673e-07	2.535991e-08
E37-39	0	1.121107e-07	2.396523e-07	4.341827e-07	2.423226e-08
E37-39	0	8.615594e-06	9.923513e-06	1.071815e-05	1.926701e-08
E37-39	0	3.397574e-08	7.237759e-08	1.288760e-07	7.329710e-09
E37-39	0	2.374741e-08	5.052487e-08	8.765514e-08	5.104075e-09
E37-39	0	1.202563e-07	2.532528e-07	5.839379e-06	2.538846e-08
E37-39	0	1.634244e-06	3.392469e-06	5.907318e-06	3.039851e-07
E37-39	0	2.169856e-07	4.517068e-07	7.900364e-07	3.674013e-08
E37-39	0	4.849704e-07	1.007616e-06	1.742668e-06	9.996546e-08
E37-39	0	5.465593e-07	1.160063e-06	2.066246e-06	1.167342e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	1.246492e-07	2.676344e-07	4.638203e-07	2.725795e-08
E37-39	0	1.853137e-07	3.965106e-07	6.716310e-07	4.019675e-08
E37-39	0	2.972406e-07	6.317146e-07	1.069507e-06	6.423620e-08
E37-39	0	3.320053e-07	6.997575e-07	1.200058e-06	7.038510e-08
E37-39	0	1.216234e-07	2.586167e-07	4.578514e-07	7.451238e-09

	E37-39	0	4.084333e-07	9.104538e-05	2.122858e-05	8.533414e-08
	E37-39	0	8.193524e-08	1.739574e-07	3.053821e-07	6.917963e-09
	E37-39	0	1.077092e-07	2.291725e-07	4.024657e-07	2.331254e-08
	R_S	0	4.975783e-06	1.124700e-05	2.115703e-05	8.553691e-07
	R_S	0	1.179186e-04	2.485813e-04	4.430350e-04	2.463625e-05
	R_S	0	1.479437e-05	3.186599e-05	5.635661e-05	3.221528e-06
	T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
FI	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	8.303007e-10	1.400342e-09	2.182813e-09	3.208291e-10
	A01	0	2.651611e-09	4.472070e-09	6.970935e-09	1.024586e-09
	A01	0	1.342605e-09	2.264368e-09	1.196253e-03	5.187841e-10
	A01	0	1.948052e-10	3.285483e-10	5.121317e-10	4.981928e-06
	A01	0	1.575781e-10	2.657630e-10	4.142638e-10	6.088836e-11
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	3.277028e-06	6.821551e-06	1.195408e-05	1.067874e-06
	A01	0	1.170455e-09	1.974029e-09	3.077059e-09	4.522651e-10
	A01	0	1.735272e-09	2.926620e-09	4.561932e-09	6.705112e-10
	A01	0	9.274776e-10	1.564236e-09	2.438286e-09	3.583784e-10
	A01	0	2.497591e-05	5.207584e-05	9.139974e-05	5.060349e-06
	A01	0	3.259005e-06	6.771909e-06	1.184843e-05	6.648272e-07
	A01	0	4.468005e-09	7.535506e-09	1.174613e-08	1.726442e-09
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	1.390498e-07	3.174130e-07	5.496769e-07	3.403268e-08
	A03	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	1.025649e-03	1.242685e-03	5.898528e-04	3.474325e-04
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	3.348642e-06	7.242054e-06	1.321419e-05	6.591671e-07
	B_nongas	0	6.466407e-08	1.399963e-07	2.551165e-07	1.273868e-08
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	1.526218e-07	3.311295e-07	6.057202e-07	2.973812e-08
	B_nongas	0	6.742660e-08	1.459501e-07	2.663633e-07	1.328670e-08
	B_nongas	0	1.375184e-07	2.972126e-07	5.319686e-07	2.697911e-08
	B_nongas	0	1.881993e-10	3.871410e-10	6.714988e-10	3.907636e-11
	B_nongas	0	8.775435e-06	1.804016e-05	3.162960e-05	1.941010e-06
	B_nongas	0	1.953126e-04	4.310865e-04	8.009343e-04	3.673583e-05
	C10-12	0	1.607786e-05	3.264294e-05	5.715288e-05	3.521349e-06
	C10-12	0	2.742439e-06	5.138811e-06	9.419713e-06	7.689105e-07
	C10-12	0	2.207228e-06	4.115446e-06	7.389972e-06	6.352366e-07
	C10-12	0	7.910737e-08	1.570823e-07	2.779595e-07	1.897124e-08
	C10-12	0	4.688450e-07	8.820517e-07	1.576056e-06	1.319267e-07
	C10-12	0	1.344292e-05	2.326090e-05	4.373078e-05	4.590276e-06

C10-12	0	6.159582e-12	1.274822e-11	2.222129e-11	1.265670e-12
C10-12	0	9.202335e-07	1.730427e-06	3.094694e-06	2.591642e-07
C10-12	0	1.472273e-05	2.462263e-05	4.720116e-05	5.360779e-06
C10-12	0	3.801186e-06	6.736104e-06	1.248287e-05	1.232610e-06
C10-12	0	3.744103e-06	4.138946e-06	9.714855e-06	2.231205e-06
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	0	1.585837e-04	3.850393e-04	7.522423e-04	1.941845e-05
C13-15	0	2.764470e-05	6.759646e-05	1.325297e-04	3.318559e-06
C13-15	0	8.831498e-04	2.109250e-03	4.098719e-03	1.221796e-04
C16	0	2.595953e-03	5.780499e-03	1.068071e-02	4.419140e-04
C16	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	6.222793e-05	1.261821e-04	2.535477e-04	1.450733e-05
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	3.445056e-03	7.473287e-03	1.375462e-02	6.953161e-04
C18	0	1.392216e-04	2.889233e-04	5.062558e-04	2.868210e-05
C19	0	9.453807e-07	1.148649e-06	3.201641e-06	4.841732e-07
C19	0	1.153988e-03	2.289783e-03	7.603034e-04	1.947095e-04
C24	0	2.160202e-08	2.753026e-08	7.349384e-08	1.060264e-08
C20-21	0	1.911648e-04	3.515295e-04	4.547853e-04	4.484959e-05
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	2.133909e-07	3.523411e-07	4.230313e-07	5.913561e-08
C20-21	0	2.670107e-03	6.626906e-06	9.453802e-03	2.459731e-03
C20-21	0	2.923986e-05	4.663468e-05	5.132312e-05	8.271565e-06
C22	0	1.560043e-03	3.569539e-03	6.648315e-03	2.283031e-04
C23	0	1.735950e-04	3.763055e-04	6.783335e-04	3.110977e-05
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	2.682843e-06	5.680686e-06	1.031712e-05	5.559098e-07
C23	0	6.950796e-07	1.441994e-06	2.591724e-06	1.546633e-07
C23	0	2.639596e-05	5.335080e-05	9.938494e-05	6.349406e-06
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	5.893302e-05	1.288140e-04	2.342237e-04	1.038490e-05
C24	0	8.689938e-05	7.110482e-05	3.010357e-04	5.579757e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	5.920607e-07	5.821868e-07	2.037318e-06	3.462763e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.123049e-06	3.090982e-06	1.072525e-05	1.817097e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.078064e-05	1.020188e-05	3.747334e-05	6.467847e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.946720e-05	1.605674e-05	6.719198e-05	1.252229e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.264630e-05	3.413388e-06	4.291198e-05	1.054120e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	5.465102e-06	5.409903e-06	1.875521e-05	3.179563e-06
C25_33	0	1.107642e-03	2.418146e-03	4.224364e-03	1.848456e-04
C25	0	7.615921e-03	1.682995e-02	2.934965e-02	1.500025e-03
C26	0	2.430198e-05	5.511998e-05	1.039975e-04	4.181956e-06
C27	0	1.224982e-02	2.666686e-02	4.884724e-02	2.315836e-03

C27	0	6.994787e-04	1.486912e-03	2.665101e-03	1.377491e-04
C28_32	0	5.926727e-04	1.366369e-03	2.611827e-03	9.654560e-05
C29	0	1.977513e-04	4.376727e-04	7.481526e-04	4.004026e-05
C30	0	5.162084e-04	1.130294e-03	2.073877e-03	9.547633e-05
C31	0	4.227595e-04	9.713751e-04	1.837850e-03	6.791313e-05
E37-39	0	3.996989e-06	8.253969e-06	1.445432e-05	8.793009e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	1.157956e-05	2.421219e-05	4.176107e-05	2.357669e-06
D35	0	1.922198e-05	4.125788e-05	7.412520e-05	3.720136e-06
D35	0	2.333076e-05	4.951359e-05	8.775434e-05	4.608092e-06
D35	0	1.439575e-05	3.060597e-05	5.437123e-05	2.833438e-06
D35	0	3.690772e-07	7.949749e-07	1.436744e-06	7.112939e-08
D35	0	4.567215e-07	9.744552e-07	1.738107e-06	8.943032e-08
D35	0	1.066340e-05	2.277975e-05	4.073311e-05	2.085752e-06
D35	0	2.797459e-08	6.081332e-08	1.112161e-07	5.302347e-09
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	9.796275e-07	2.101366e-06	3.773523e-06	1.899387e-07
D35	0	1.120072e-05	2.407539e-05	4.337059e-05	2.165250e-06
D35	0	5.560631e-05	1.189549e-04	2.124981e-04	1.087353e-05
D35	0	2.556704e-07	5.472172e-07	9.797826e-07	4.976390e-08
D35	0	2.147911e-05	4.613340e-05	8.277988e-05	4.141497e-06
E36	0	1.687502e-05	3.551202e-05	5.887777e-05	3.560324e-06
F	0	8.878170e-04	2.012295e-03	2.637241e-03	2.253180e-04
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	3.809547e-05	7.385890e-05	1.243023e-04	1.009888e-05
G47	0	1.895405e-05	3.581422e-05	5.981580e-05	5.547010e-06
G46	0	8.289719e-04	1.547192e-03	2.545223e-03	2.483010e-04
G47	0	4.651852e-04	1.010453e-03	1.844829e-03	8.937575e-05
I	0	2.439895e-04	5.132712e-04	9.285658e-04	5.466517e-05
H49	0	9.011941e-04	1.323500e-03	1.858879e-03	4.479980e-04
H49	0	3.679690e-03	5.574386e-03	8.063699e-03	1.758467e-03
H49	0	4.827964e-06	7.905904e-06	1.203831e-05	2.000510e-06
H50	0	4.265527e-04	6.598061e-04	9.674930e-04	1.964567e-04
H50	0	6.611408e-06	9.847297e-06	1.400849e-05	3.225369e-06
H51	0	4.884605e-05	9.709825e-05	1.683609e-04	1.281235e-05
H52	0	1.912054e-03	3.120696e-03	4.803276e-03	8.191283e-04
H53	0	2.231186e-04	4.683917e-04	8.359537e-04	4.666603e-05
K64	0	1.701509e-03	3.584989e-03	6.503918e-03	3.847810e-04
K65	0	7.749126e-05	1.571998e-04	2.741807e-04	1.811564e-05
K66	0	3.111581e-07	9.814718e-07	3.912291e-06	2.127846e-07
L68	0	1.499858e-05	3.143326e-05	5.615846e-05	3.243139e-06
M_N	0	4.327047e-04	8.969684e-04	1.565982e-03	8.868113e-05
J62_63	0	1.449976e-04	3.079220e-04	5.505325e-04	2.858788e-05
M_N	0	2.907584e-05	6.049258e-05	1.058242e-04	5.896020e-06
M_N	0	4.412685e-03	9.128076e-03	1.586383e-02	9.012853e-04
O84	0	7.078569e-05	1.448665e-04	2.497337e-04	1.569623e-05

[illegible]

B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	1.679354e-04	3.819546e-04	7.213775e-04	2.800710e-05
B_nongas	0	1.324591e-05	3.014021e-05	5.693821e-05	2.205238e-06
B_nongas	0	1.022844e-02	2.260879e-02	4.205514e-02	1.916668e-03
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	4.913388e-07	3.378756e-07	2.657465e-04	9.994862e-06
C13-15	0	3.161655e-03	7.767357e-03	1.527233e-02	3.641254e-04
C13-15	0	7.432476e-05	1.906549e-04	3.819071e-04	6.283583e-06
C13-15	0	7.760685e-04	1.854330e-03	3.604195e-03	1.071348e-04
C16	0	9.287073e-04	2.070073e-03	3.830422e-03	1.574753e-04
C16	0	5.717014e-04	1.274313e-03	2.357964e-03	9.693998e-05
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	8.322831e-03	1.800790e-02	3.314137e-02	1.705842e-03
C18	0	3.332040e-05	7.504050e-05	1.407091e-04	5.692583e-06
C19	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	0	6.132901e-02	1.224450e-01	3.195190e-02	9.999945e-03
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	7.006461e-07	2.641778e-06	8.455272e-07	0.000000e+00
C20-21	0	3.529662e-08	1.330855e-07	4.259533e-08	0.000000e+00
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	2.736151e-01	0.000000e+00	9.695355e-01	2.523283e-01
C20-21	0	3.354081e-02	1.126802e-01	3.397853e-02	9.855526e-03
C22	0	2.668200e-02	6.112140e-02	1.138468e-01	3.868007e-03
C23	0	3.948119e-03	8.580500e-03	1.545677e-02	6.956628e-04
C23	0	1.727681e-03	3.754792e-03	6.763820e-03	3.044192e-04
C23	0	6.739956e-05	1.484680e-04	2.694017e-04	1.126699e-05
C23	0	5.952941e-07	1.315662e-06	2.391557e-06	9.819653e-08
C23	0	1.869408e-06	4.227173e-06	7.777409e-06	2.800645e-07

[illegible]

G47	0	3.220438e-05	4.745306e-05	6.632501e-05	1.547893e-05
I	0	3.263093e-03	6.866979e-03	1.243628e-02	7.329921e-04
H49	0	1.251394e-02	1.826990e-02	2.553622e-02	6.273794e-03
H49	0	3.076895e-02	4.650706e-02	6.716125e-02	1.475602e-02
H49	0	5.875135e-05	8.561542e-05	1.194496e-04	2.952199e-05
H50	0	6.346671e-04	9.248689e-04	1.290366e-03	3.189142e-04
H50	0	1.346014e-04	1.961479e-04	2.736633e-04	6.763592e-05
H51	0	6.229820e-04	1.197592e-03	2.067429e-03	1.918763e-04
H52	0	1.954537e-02	3.168452e-02	4.858521e-02	8.479746e-03
H53	0	8.760683e-04	1.827774e-03	3.255097e-03	1.877253e-04
K64	0	2.109109e-02	4.443778e-02	8.061942e-02	4.769560e-03
K65	0	1.156379e-03	2.345774e-03	4.091266e-03	2.703447e-04
K66	0	5.019878e-06	1.584700e-05	6.322563e-05	3.438513e-06
L68	0	1.713765e-04	3.586691e-04	6.431504e-04	3.734513e-05
M_N	0	3.930349e-03	8.134477e-03	1.417912e-02	8.076078e-04
J62_63	0	1.306407e-05	2.758502e-05	5.018535e-05	2.990960e-06
M_N	0	7.450624e-04	1.662633e-03	3.092992e-03	1.305713e-04
M_N	0	2.360409e-02	4.879571e-02	8.475360e-02	4.821426e-03
O84	0	6.700498e-04	1.431408e-03	2.218339e-03	1.430896e-04
P85	0	2.910531e-04	7.193831e-04	1.003114e-03	5.992367e-05
M_N	0	4.095721e-04	6.531227e-04	1.497914e-03	1.697202e-04
E37-39	0	1.253932e-07	2.683815e-07	4.917799e-07	2.719785e-08
E37-39	0	1.934913e-07	4.141840e-07	7.589999e-07	4.195019e-08
E37-39	0	8.087424e-07	1.731537e-06	3.173443e-06	1.752137e-07
E37-39	0	1.763331e-04	2.013053e-04	2.150488e-04	0.000000e+00
E37-39	0	5.170234e-08	1.105943e-07	2.025844e-07	1.123746e-08
E37-39	0	3.671129e-08	7.856824e-08	1.439619e-07	7.964694e-09
E37-39	0	4.733941e-08	1.013320e-07	1.033234e-05	1.026417e-08
E37-39	0	2.593376e-08	5.546265e-08	1.015839e-07	0.000000e+00
E37-39	0	1.327363e-08	2.838250e-08	5.197958e-08	0.000000e+00
E37-39	0	5.834305e-09	1.248533e-08	2.287598e-08	1.266155e-09
E37-39	0	1.680184e-06	3.597643e-06	6.593853e-06	3.638945e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	7.835259e-08	1.676222e-07	3.070695e-07	1.702220e-08
E37-39	0	7.622827e-08	1.632208e-07	2.991546e-07	1.650977e-08
E37-39	0	9.821041e-09	2.093764e-08	3.828054e-08	2.159539e-09
E37-39	0	1.462589e-08	3.124476e-08	5.719125e-08	3.193457e-09
E37-39	0	2.496227e-08	5.315610e-08	9.712219e-08	0.000000e+00
E37-39	0	0.000000e+00	2.173303e-05	4.768912e-06	0.000000e+00
E37-39	0	1.115209e-08	2.376733e-08	4.344580e-08	0.000000e+00
E37-39	0	2.319266e-08	4.952784e-08	9.063861e-08	5.070280e-09
R_S	0	1.032534e-05	2.125040e-05	3.684124e-05	2.158609e-06
R_S	0	2.305295e-04	4.857528e-04	8.783966e-04	5.041652e-05
R_S	0	7.816943e-06	1.650901e-05	3.004192e-05	1.791765e-06
T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
GR A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

A01	0	0.000000e+00	3.985189e-05	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	6.109098e-01	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	6.707014e-05
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0	0.000000e+00	0.000000e+00	5.108245e-07	0.000000e+00
A03	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	2.199122e-06	4.449739e-06	6.029317e-06	7.159804e-07
B_nongas	0	4.056910e-09	9.231234e-09	1.743883e-08	6.754122e-10
B_gas	0	9.013682e-08	1.993425e-07	3.709087e-07	1.685647e-08
B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	4.276794e-08	7.990640e-08	1.141485e-07	1.561089e-08
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	9.331881e-06	2.062131e-05	3.834467e-05	1.751641e-06
B_nongas	0	4.850904e-06	8.211263e-06	1.272535e-05	1.979420e-06
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	1.583345e-05	3.499163e-05	6.507368e-05	2.970286e-06
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	2.271099e-05	3.939173e-05	6.323728e-05	8.775949e-06
B_nongas	0	4.489718e-04	9.923651e-04	1.845845e-03	8.414314e-05
C10-12	0	2.124472e-07	4.377736e-07	4.192311e-07	8.836165e-08
C10-12	0	3.437665e-07	6.250164e-07	7.263433e-07	1.426504e-07
C10-12	0	4.184060e-06	7.113417e-06	9.528648e-06	1.660573e-06
C10-12	0	5.435308e-06	9.400112e-06	1.150905e-05	2.166452e-06
C10-12	0	6.529486e-06	1.289581e-05	2.078270e-05	1.989053e-06
C10-12	0	1.198282e-05	2.299719e-05	3.053047e-05	3.595573e-06
C10-12	0	3.838766e-07	6.792629e-07	1.060461e-06	1.445405e-07
C10-12	0	1.428864e-06	2.642677e-06	4.191645e-06	4.898833e-07
C10-12	0	2.874676e-05	4.962993e-05	7.564217e-05	1.095070e-05
C10-12	0	1.322718e-05	2.569310e-05	3.765065e-05	3.931487e-06
C10-12	0	1.193030e-05	2.780653e-05	4.883856e-05	2.032350e-06
C10-12	0	8.303616e-06	7.314168e-06	3.658111e-03	1.380222e-04
C13-15	0	7.603484e-04	1.855592e-03		

C16	0	1.352030e-05	2.611661e-05	4.445007e-05	4.129332e-06
C17	0	4.210869e-07	9.856103e-07	1.374105e-06	1.155068e-07
C17	0	5.422450e-06	1.259964e-05	1.493026e-05	1.760425e-06
C17	0	1.337285e-04	2.918843e-04	5.152471e-04	2.905698e-05
C18	0	5.250149e-06	1.108983e-05	1.953555e-05	1.240858e-06
C19	0	2.164100e-08	4.108904e-08	5.520519e-08	8.031610e-09
C19	0	9.881076e-03	1.974609e-02	5.559941e-03	1.607086e-03
C24	0	3.270992e-07	7.718785e-07	1.491189e-06	4.824038e-08
C20-21	0	7.020128e-06	1.397493e-05	1.481287e-05	1.579499e-06
C20-21	0	4.476398e-05	8.910996e-05	9.445944e-05	1.007190e-05
C20-21	0	3.183703e-07	6.255357e-07	6.718097e-07	7.571338e-08
C20-21	0	7.563441e-04	3.795843e-06	2.677286e-03	6.961797e-04
C20-21	0	1.522603e-03	5.100818e-03	1.553963e-03	4.466807e-04
C22	0	1.937644e-03	4.435210e-03	8.252000e-03	2.846567e-04
C23	0	2.364619e-05	5.136643e-05	9.249083e-05	4.182923e-06
C23	0	3.183872e-05	6.919030e-05	1.246305e-04	5.613855e-06
C23	0	2.854525e-06	5.955806e-06	1.066350e-05	6.323304e-07
C23	0	5.102308e-06	1.022832e-05	1.694505e-05	1.475940e-06
C23	0	2.273862e-05	4.493341e-05	7.274859e-05	6.983545e-06
C23	0	2.059270e-05	4.044228e-05	6.493670e-05	6.454227e-06
C23	0	3.610747e-05	7.883140e-05	1.418949e-04	6.598940e-06
C24	0	9.338420e-06	1.923595e-05	3.286625e-05	2.117988e-06
C24	0	3.735899e-05	7.727708e-05	1.321709e-04	8.308511e-06
C24	0	7.688040e-07	1.677965e-06	3.049434e-06	1.470213e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.989735e-05	8.389451e-05	1.468639e-04	8.606547e-06
C24	0	9.304306e-07	2.045732e-06	3.708896e-06	1.754819e-07
C24	0	2.343096e-07	4.995007e-07	8.840680e-07	4.842939e-08
C24	0	2.385048e-07	5.119036e-07	9.139618e-07	4.815555e-08
C24	0	3.170196e-05	6.706682e-05	1.186863e-04	6.662668e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.689365e-08	3.530263e-08	6.132476e-08	3.680961e-09
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	0	1.318195e-03	2.867358e-03	5.142346e-03	2.374028e-04
C25	0	1.262409e-03	2.767865e-03	4.995139e-03	2.409250e-04
C26	0	3.096633e-07	5.621661e-07	9.175537e-07	1.052994e-07
C27	0	1.370639e-02	2.984642e-02	5.468181e-02	2.590467e-03
C27	0	7.892871e-06	1.419625e-05	2.258838e-05	2.684412e-06
C28_32	0	1.817352e-04	4.287528e-04	8.282273e-04	2.684224e-05
C29	0	2.226863e-05	4.817905e-05	8.447244e-05	4.118547e-06
C30	0	5.713269e-06	9.207839e-06	1.387929e-05	2.500513e-06
C31	0	1.096899e-03	2.541405e-03	4.848518e-03	1.712329e-04
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	3.831607e-06	6.043853e-06	8.972727e-06	1.714322e-06
D35	0	6.483946e-06	1.008500e-05	1.491275e-05	2.987373e-06
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

D35	0	9.247638e-07	1.510073e-06	2.323125e-06	3.954454e-07
D35	0	5.504171e-07	8.576062e-07	1.263531e-06	2.527719e-07
D35	0	1.072621e-06	1.726662e-06	2.627170e-06	4.706990e-07
D35	0	5.447664e-08	8.481762e-08	1.253993e-07	2.511785e-08
D35	0	1.048959e-09	1.578636e-09	2.259837e-09	5.064042e-10
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	1.966683e-06	3.188133e-06	4.860245e-06	8.501595e-07
D35	0	7.885105e-06	1.280814e-05	1.954067e-05	3.395468e-06
D35	0	7.899158e-07	1.244383e-06	1.858740e-06	3.570628e-07
D35	0	2.689018e-06	5.122112e-06	8.580985e-06	7.756716e-07
E36	0	2.120423e-05	3.376132e-05	5.046496e-05	9.448212e-06
F	0	4.832937e-04	1.116932e-03	1.412679e-03	1.200083e-04
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	1.234527e-05	2.523434e-05	3.461554e-05	3.799025e-06
G47	0	1.546873e-05	3.171572e-05	4.636439e-05	4.428735e-06
G46	0	4.119078e-04	8.330632e-04	1.899531e-03	1.145154e-04
G47	0	2.062804e-05	3.965703e-05	5.867405e-05	6.781806e-06
I	0	4.879179e-03	1.023770e-02	1.851016e-02	1.109230e-03
H49	0	4.215704e-03	6.370449e-03	9.153298e-03	2.008068e-03
H49	0	7.071921e-03	1.090736e-02	1.598933e-02	3.283517e-03
H49	0	7.320547e-05	1.504152e-04	2.605283e-04	1.540992e-05
H50	0	2.555468e-03	4.866411e-03	8.306518e-03	7.901088e-04
H50	0	2.244729e-04	3.430882e-04	4.999537e-04	1.059132e-04
H51	0	1.801711e-04	3.473920e-04	5.935972e-04	5.550454e-05
H52	0	5.401295e-03	8.598792e-03	1.299188e-02	2.409013e-03
H53	0	4.092779e-04	8.408488e-04	1.465457e-03	9.574917e-05
K64	0	1.162658e-03	2.445709e-03	4.421174e-03	2.607465e-04
K65	0	5.023034e-05	1.020044e-04	1.778688e-04	1.166087e-05
K66	0	1.521335e-06	4.802627e-06	1.916130e-05	1.042083e-06
L68	0	7.219816e-05	1.511076e-04	2.709261e-04	1.573374e-05
M_N	0	1.028564e-04	2.128790e-04	3.710739e-04	2.113573e-05
J62_63	0	1.309628e-05	2.755402e-05	4.944459e-05	2.929516e-06
M_N	0	2.692180e-05	5.591660e-05	9.817621e-05	5.644557e-06
M_N	0	1.122677e-02	2.320863e-02	4.031126e-02	2.293211e-03
O84	0	4.462378e-04	9.159341e-04	1.586679e-03	9.472373e-05
P85	0	1.129254e-04	2.334476e-04	4.054855e-04	2.306738e-05
M_N	0	1.969934e-05	4.073959e-05	7.083330e-05	4.032067e-06
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	6.050441e-06	6.907300e-06	7.378875e-06	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	7.837219e-09	1.677590e-08	1.710557e-06	1.699272e-09
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	9.246061e-09	1.978644e-08	3.625329e-08	2.006572e-09
	E37-39	0	4.420086e-08	9.464374e-08	1.734655e-07	9.573030e-09
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	3.992590e-08	8.541478e-08	1.564725e-07	8.673951e-09
	E37-39	0	2.041731e-08	4.371775e-08	8.012685e-08	4.422047e-09
	E37-39	0	1.618316e-08	3.450116e-08	6.307889e-08	3.558500e-09
	E37-39	0	1.830165e-08	3.909715e-08	7.156446e-08	3.996031e-09
	E37-39	0	7.446149e-08	1.585626e-07	2.897117e-07	0.000000e+00
	E37-39	0	0.000000e+00	1.253076e-05	2.749644e-06	0.000000e+00
	E37-39	0	4.882151e-08	1.040484e-07	1.901966e-07	0.000000e+00
	E37-39	0	4.756958e-08	1.015847e-07	1.859054e-07	1.039946e-08
	R_S	0	3.197800e-09	6.754764e-09	1.229423e-08	7.337103e-10
	R_S	0	5.856375e-05	1.214244e-04	2.120941e-04	1.208838e-05
	R_S	0	1.232386e-06	2.602740e-06	4.736282e-06	2.824821e-07
	T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
HR	A01	0	1.392687e-08	3.183414e-08	6.032112e-08	2.288516e-09
	A01	0	4.296251e-02	9.783604e-06	1.703829e-05	9.913165e-07
	A01	0	5.107766e-06	7.888830e-02	1.841769e-05	1.070223e-06
	A01	0	2.027268e-05	4.226649e-05	7.239144e-02	4.113173e-06
	A01	0	1.791221e-05	3.669349e-05	6.404003e-05	6.561793e-03
	A01	0	3.524898e-07	7.295484e-07	1.274216e-06	7.248724e-08
	A01	0	1.212219e-05	2.503056e-05	4.347573e-05	2.500811e-06
	A01	0	1.621444e-04	3.336454e-04	5.791645e-04	3.419949e-05
	A01	0	3.383270e-06	6.967124e-06	1.215433e-05	7.135588e-07
	A01	0	2.876605e-06	5.947199e-06	1.041632e-05	5.973780e-07
	A01	0	2.152252e-06	4.454981e-06	7.832230e-06	4.515756e-07
	A01	0	2.332195e-04	4.759799e-04	8.231300e-04	5.110053e-05
	A01	0	1.090743e-05	2.267071e-05	4.005976e-05	2.356417e-06
	A01	0	1.479336e-05	3.052817e-05	5.319124e-05	3.085236e-06
	A01	0	7.722474e-07	1.594548e-06	2.768553e-06	1.587851e-07
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	4.954727e-06	9.234223e-06	2.101592e-05	1.092832e-06
	A03	0	1.548829e-04	2.176936e-03	5.999872e-04	4.257062e-05
	B_nongas	0	1.275364e-03	2.681633e-03	4.579904e-03	2.828865e-04
	B_nongas	0	3.881635e-06	7.709589e-06	7.857953e-06	8.617432e-07
	B_gas	0	2.811198e-06	5.617006e-06	6.981252e-06	6.570237e-07
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	2.308041e-04	4.965911e-04	9.330146e-04	4.842828e-05
B_nongas	0	1.197486e-04	2.632169e-04	4.894077e-04	2.291683e-05
C10-12	0	3.304195e-05	7.324230e-06	1.166068e-04	2.822271e-05
C10-12	0	3.771512e-05	3.653196e-05	1.362567e-04	2.269348e-05
C10-12	0	9.904118e-05	5.891703e-05	3.463312e-04	7.222179e-05
C10-12	0	2.229868e-05	3.555626e-05	8.056713e-05	8.856864e-06
C10-12	0	1.085618e-04	1.658567e-04	4.153903e-04	4.502281e-05
C10-12	0	1.341121e-03	1.723482e-03	4.979004e-03	6.682417e-04
C10-12	0	3.934500e-06	8.647631e-06	1.602157e-05	7.665275e-07
C10-12	0	9.606194e-05	1.292349e-04	3.700756e-04	4.575682e-05
C10-12	0	7.643547e-04	1.658344e-03	2.932381e-03	1.595565e-04
C10-12	0	1.100142e-03	7.194251e-04	3.958838e-03	7.800078e-04
C10-12	0	4.918437e-04	1.323370e-03	9.363301e-04	1.831009e-04
C10-12	0	4.086012e-05	8.246606e-05	2.935520e-04	1.610451e-05
C13-15	0	1.683751e-03	3.980662e-03	7.684024e-03	2.421580e-04
C13-15	0	1.463894e-03	3.409512e-03	6.533048e-03	2.265293e-04
C13-15	0	3.041068e-03	7.258075e-03	1.410088e-02	4.229313e-04
C16	0	5.922463e-04	1.372304e-03	2.604445e-03	8.926545e-05
C16	0	7.863861e-05	1.781437e-04	3.344899e-04	1.344763e-05
C17	0	7.353600e-05	9.369052e-05	2.324053e-04	3.849514e-05
C17	0	5.725943e-05	7.270375e-05	1.789793e-04	3.012223e-05
C17	0	1.876874e-04	3.766780e-04	7.010677e-04	4.966542e-05
C18	0	4.791822e-04	9.710057e-04	1.691239e-03	1.149207e-04
C19	0	2.354414e-06	3.446165e-06	4.828695e-06	1.176620e-06
C19	0	1.283856e-03	2.275969e-03	1.675353e-03	3.969029e-04
C24	0	2.173957e-06	3.178182e-06	4.448037e-06	1.088089e-06
C20-21	0	3.545728e-05	6.426750e-05	1.026706e-04	1.314567e-05
C20-21	0	2.161549e-05	3.851797e-05	6.222099e-05	8.033012e-06
C20-21	0	2.990526e-07	5.355049e-07	8.457849e-07	1.080999e-07
C20-21	0	6.258421e-02	4.721393e-06	2.217625e-01	5.771372e-02
C20-21	0	1.032776e-03	3.738335e-03	1.235361e-03	2.124164e-04
C22	0	4.817679e-03	8.273887e-03	1.956923e-02	1.642947e-03
C23	0	4.333265e-04	1.569166e-03	5.170974e-04	8.938476e-05
C23	0	2.168327e-06	4.203739e-06	8.515853e-06	5.868027e-07
C23	0	2.985520e-05	5.578732e-05	1.217982e-04	8.945158e-06
C23	0	1.194934e-04	2.209213e-04	4.815001e-04	3.696213e-05
C23	0	1.124909e-03	2.211439e-03	4.520853e-03	3.045039e-04
C23	0	1.303848e-04	2.411676e-04	5.252067e-04	3.998077e-05
C23	0	3.955750e-04	8.325921e-04	1.592205e-03	8.156449e-05
C24	0	8.361874e-04	1.809631e-03	3.163631e-03	1.401139e-04
C24	0	2.229238e-04	4.789443e-04	8.470830e-04	4.041110e-05
C24	0	4.023493e-06	8.368175e-06	1.468907e-05	8.393098e-07
C24	0	1.623544e-11	2.719076e-11	4.211706e-11	6.360512e-12
C24	0	3.055789e-04	6.791689e-04	1.200777e-03	4.574231e-05
C24	0	9.684583e-05	2.047591e-04	3.563347e-04	1.805511e-05
C24	0	4.889595e-06	1.065907e-05	1.904990e-05	8.588342e-07
C24	0	1.261222e-06	2.730722e-06	4.887491e-06	2.325327e-07

C24	0	2.827890e-04	6.083975e-04	1.063775e-03	4.895532e-05
C24	0	2.379112e-06	4.997390e-06	8.797124e-06	4.805017e-07
C24	0	2.294126e-06	5.011836e-06	9.146668e-06	4.336664e-07
C24	0	1.077350e-07	2.353654e-07	4.016261e-07	1.572497e-08
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	0	8.456925e-03	1.466410e-02	3.148809e-02	2.667154e-03
C25	0	6.763374e-04	1.506419e-03	2.516605e-03	1.256137e-04
C26	0	3.605343e-06	7.036154e-06	1.226691e-05	1.089758e-06
C27	0	7.119461e-03	1.543764e-02	2.822012e-02	1.372506e-03
C27	0	5.850806e-05	1.067710e-04	1.770748e-04	2.008381e-05
C28_32	0	6.578231e-05	1.365164e-04	2.461094e-04	1.664381e-05
C29	0	9.904454e-05	1.762681e-04	2.815318e-04	3.635191e-05
C30	0	3.839467e-04	8.830853e-04	1.668925e-03	6.054381e-05
C31	0	5.734108e-03	1.305469e-02	2.517575e-02	9.793960e-04
E37-39	0	2.383557e-06	4.427700e-06	7.044818e-06	7.710438e-07
E37-39	0	1.174213e-06	2.352632e-06	4.083962e-06	3.004464e-07
D35	0	4.041122e-03	8.046070e-03	1.395776e-02	1.075168e-03
D35	0	1.452600e-03	2.844470e-03	4.893273e-03	4.056901e-04
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	1.448746e-04	3.027796e-04	5.384464e-04	3.155989e-05
D35	0	9.266292e-04	2.012057e-03	3.681448e-03	1.774023e-04
D35	0	1.283804e-03	2.720257e-03	4.907547e-03	2.729959e-04
D35	0	1.413864e-05	2.735366e-05	4.652955e-05	4.054648e-06
D35	0	9.433678e-07	2.049030e-06	3.749806e-06	1.803709e-07
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	1.026889e-03	2.013480e-03	3.448237e-03	2.864817e-04
D35	0	4.788215e-03	9.495275e-03	1.639055e-02	1.290061e-03
D35	0	1.550390e-04	2.966912e-04	5.037303e-04	4.626416e-05
D35	0	1.460666e-05	2.894963e-05	5.020681e-05	3.956927e-06
E36	0	3.874029e-05	7.870224e-05	1.089501e-04	1.253959e-05
F	0	2.267967e-03	5.199920e-03	6.628292e-03	5.711416e-04
F	0	5.681022e-06	1.293634e-05	1.656484e-05	1.451143e-06
G45	0	1.339213e-05	2.357611e-05	3.783820e-05	4.750172e-06
G47	0	2.202925e-05	4.026515e-05	6.621839e-05	7.138210e-06
G46	0	4.601215e-04	6.666485e-04	9.505603e-04	1.557617e-04
G47	0	2.262115e-05	3.994059e-05	6.433262e-05	8.083328e-06
I	0	6.102633e-03	1.281566e-02	2.323034e-02	1.382942e-03
H49	0	2.988197e-03	4.366426e-03	6.107536e-03	1.496511e-03
H49	0	8.886694e-03	1.343807e-02	1.941287e-02	4.259279e-03
H49	0	4.377190e-06	6.952715e-06	1.039347e-05	1.954605e-06
H50	0	9.137347e-04	1.331698e-03	1.858075e-03	4.590970e-04
H50	0	2.347532e-04	3.421348e-04	4.773806e-04	1.179475e-04
H51	0	1.611920e-04	3.095960e-04	5.347074e-04	4.975884e-05
H52	0	3.529578e-03	5.731573e-03	8.795640e-03	1.525868e-03
H53	0	1.551852e-03	3.239216e-03	5.755378e-03	3.341116e-04

K64	0	6.089540e-03	1.282941e-02	2.327276e-02	1.376539e-03
K65	0	4.896515e-04	9.932834e-04	1.732387e-03	1.144734e-04
K66	0	5.539765e-04	1.146078e-03	2.002231e-03	1.159550e-04
L68	0	1.558619e-04	3.308804e-04	6.182504e-04	3.571430e-05
M_N	0	2.768865e-04	5.816697e-04	1.033761e-03	5.703055e-05
J62_63	0	1.608599e-05	3.305535e-05	5.907382e-05	4.034328e-06
M_N	0	3.986020e-04	8.471499e-04	1.512999e-03	7.780812e-05
M_N	0	1.109668e-02	2.288027e-02	3.966401e-02	2.301952e-03
O84	0	2.959137e-05	3.048994e-05	4.825795e-05	5.976344e-06
P85	0	2.853566e-04	4.860428e-04	7.697930e-04	1.121953e-04
M_N	0	1.159074e-04	1.867921e-04	2.872064e-04	4.931708e-05
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	5.565912e-07	9.581867e-07	1.453113e-06	2.110627e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	4.642775e-07	7.939399e-07	1.369479e-06	1.805775e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	3.041592e-06	6.139067e-06	1.038601e-05	7.060582e-07
E37-39	0	1.668965e-07	2.961309e-07	4.538060e-07	5.921087e-08
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	1.304876e-06	2.396808e-06	3.773850e-06	4.352364e-07
E37-39	0	2.106087e-06	4.019625e-06	5.936942e-06	6.796332e-07
E37-39	0	4.656050e-06	8.413879e-06	1.307196e-05	1.596611e-06
E37-39	0	4.437490e-06	8.290195e-06	1.330770e-05	1.399530e-06
E37-39	0	2.300399e-07	4.246617e-07	6.806317e-07	7.189697e-08
E37-39	0	6.940507e-06	3.672743e-05	2.531342e-05	2.238999e-06
E37-39	0	1.338853e-06	2.212024e-06	3.334882e-06	5.477040e-07
E37-39	0	1.625126e-06	2.668131e-06	3.981099e-06	6.819119e-07
R_S	0	6.097419e-05	4.676284e-05	8.245083e-05	1.601540e-06
R_S	0	3.548809e-04	1.011601e-03	4.971063e-04	1.754716e-05
R_S	0	9.418065e-06	2.064447e-05	3.490270e-05	2.184791e-06
T	0	1.108416e-03	2.465477e-03	4.584890e-03	1.972943e-04
U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
HU A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	6.752725e-01	1.469577e-10	2.726641e-10	1.324797e-11
A01	0	7.926274e-11	5.108529e-01	3.223089e-10	1.566007e-11
A01	0	6.473161e-11	1.418679e-10	7.423705e-01	1.278913e-11
A01	0	7.391288e-11	1.619898e-10	3.005545e-10	6.947829e-02
A01	0	4.706419e-04	5.575918e-04	7.810051e-04	2.218655e-04
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	3.365010e-05	6.079809e-05	9.469931e-05	1.202396e-05
A01	0	3.983246e-12	8.729810e-12	1.619721e-11	7.869766e-13
A01	0	4.389584e-11	9.620352e-11	1.784952e-10	8.672574e-12
A01	0	2.482297e-11	5.440281e-11	1.009385e-10	4.904315e-12
A01	0	8.935090e-05	1.574113e-04	2.489137e-04	3.282959e-05

A01	0	3.148260e-05	5.522177e-05	8.709229e-05	1.166229e-05
A01	0	5.794589e-11	1.269961e-10	2.356274e-10	1.144847e-11
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0	1.400147e-04	2.905472e-04	5.373153e-04	3.294941e-05
A03	0	1.503366e-07	3.178500e-07	5.731463e-07	3.379840e-08
B_nongas	0	2.269511e-05	3.831841e-05	6.337908e-05	5.063308e-06
B_nongas	0	1.466564e-05	2.847194e-05	4.761321e-05	3.953101e-06
B_gas	0	1.577601e-03	1.499955e-03	4.630899e-03	1.150806e-03
B_gas	0	1.285901e-07	2.490631e-07	4.160197e-07	3.494165e-08
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	1.256483e-08	2.706697e-08	4.422432e-08	2.845364e-09
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	7.375676e-09	1.704580e-08	2.155928e-08	1.831479e-09
B_nongas	0	9.521555e-06	1.597845e-05	2.441375e-05	3.909959e-06
B_nongas	0	1.006604e-04	2.137553e-04	3.882946e-04	2.301074e-05
B_nongas	0	8.884298e-06	1.951690e-05	3.617715e-05	1.715552e-06
C10-12	0	9.687582e-04	5.842758e-06	3.429907e-03	8.915352e-04
C10-12	0	9.014905e-05	1.153007e-04	2.782519e-04	4.577742e-05
C10-12	0	3.771359e-05	4.165726e-05	1.148522e-04	2.154520e-05
C10-12	0	3.687329e-06	7.164670e-06	1.234606e-05	1.095273e-06
C10-12	0	1.501944e-05	1.226364e-05	4.853692e-05	9.929169e-06
C10-12	0	9.120843e-05	1.232582e-04	2.742625e-04	4.482009e-05
C10-12	0	2.564110e-07	4.403438e-07	6.897921e-07	9.810597e-08
C10-12	0	1.331387e-04	1.166592e-04	3.925174e-04	9.824723e-05
C10-12	0	1.556446e-04	2.133167e-04	4.688660e-04	7.561126e-05
C10-12	0	4.616393e-05	5.981494e-05	1.411958e-04	2.349265e-05
C10-12	0	3.227642e-05	4.514663e-05	9.433820e-05	1.543424e-05
C10-12	0	3.708971e-05	4.429033e-05	1.297660e-02	4.889150e-04
C13-15	0	1.238198e-03	2.950869e-03	5.814183e-03	1.757925e-04
C13-15	0	1.700135e-03	4.067318e-03	7.906782e-03	2.331138e-04
C13-15	0	7.675013e-03	1.828536e-02	3.548757e-02	1.076998e-03
C16	0	4.833462e-03	1.067810e-02	1.971801e-02	8.464077e-04
C16	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	7.879120e-05	1.637912e-04	2.929913e-04	1.932714e-05
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	2.247673e-03	4.847507e-03	8.905939e-03	4.661899e-04
C18	0	7.404835e-04	1.645991e-03	3.031462e-03	1.269246e-04
C19	0	1.510953e-03	3.219748e-03	1.237623e-03	1.989872e-04
C19	0	1.617789e+00	3.238929e+00	1.032268e+00	2.612724e-01
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	1.042795e-01	2.088691e-01	6.855503e-02	1.686597e-02
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

C20-21	0	6.927641e-03	2.314308e-02	6.958628e-03	2.076735e-03
C20-21	0	3.016646e-02	2.855694e-04	1.064823e-01	2.771120e-02
C20-21	0	3.147555e-03	6.413163e-03	2.143238e-03	5.136885e-04
C22	0	2.601648e-02	5.942439e-02	1.107069e-01	3.864569e-03
C23	0	1.560259e-03	3.350633e-03	6.030011e-03	2.923227e-04
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	6.765060e-05	1.212998e-04	2.149689e-04	2.325816e-05
C23	0	8.748254e-05	1.451366e-04	2.436773e-04	3.641384e-05
C23	0	2.934425e-04	4.847564e-04	8.037191e-04	1.244256e-04
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	1.789153e-03	3.888513e-03	7.059436e-03	3.234970e-04
C24	0	6.891496e-04	1.358923e-03	2.700158e-03	1.713640e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.433648e-06	5.324497e-06	9.357071e-06	3.978109e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	5.293783e-04	1.019115e-03	1.997586e-03	1.340847e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.418132e-06	5.224214e-06	9.237570e-06	4.236537e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.462343e-05	3.231619e-05	5.639083e-05	2.233905e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.919831e-07	6.366421e-07	1.119531e-06	4.847031e-08
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.395458e-04	2.734868e-04	5.158265e-04	3.661365e-05
C25_33	0	1.799973e-02	3.945149e-02	6.795330e-02	2.709414e-03
C25	0	1.295452e-02	2.880117e-02	4.949042e-02	2.524768e-03
C26	0	6.001579e-03	1.361272e-02	2.569537e-02	1.034743e-03
C27	0	5.764922e-02	1.258085e-01	2.305987e-01	1.081231e-02
C27	0	8.129080e-03	1.788764e-02	3.292072e-02	1.491183e-03
C28_32	0	4.657030e-03	1.005681e-02	1.916922e-02	9.680434e-04
C29	0	9.947913e-03	2.227663e-02	4.029861e-02	1.762146e-03
C30	0	7.015420e-04	1.528732e-03	2.728849e-03	1.233751e-04
C31	0	1.703725e-02	3.945628e-02	7.531221e-02	2.667941e-03
E37-39	0	6.900771e-05	5.310759e-05	2.189027e-04	4.684500e-05
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	5.035808e-05	1.027152e-04	1.789118e-04	1.200448e-05
D35	0	1.267223e-04	2.565491e-04	4.476120e-04	3.180822e-05
D35	0	9.681496e-05	1.920624e-04	3.440285e-04	2.478496e-05
D35	0	1.194664e-06	2.500123e-06	4.368700e-06	2.587315e-07
D35	0	4.677645e-07	9.481781e-07	1.593089e-06	1.116293e-07
D35	0	6.086836e-06	1.260747e-05	2.173172e-05	1.360937e-06
D35	0	1.470075e-05	2.977403e-05	5.247054e-05	3.513638e-06
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	2.480607e-07	5.037808e-07	8.464632e-07	5.867440e-08
D35	0	1.926753e-05	3.910204e-05	6.877161e-05	4.578601e-06

D35	0	1.020931e-04	2.081728e-04	3.630211e-04	2.410748e-05
D35	0	1.838064e-04	3.768018e-04	6.560616e-04	4.112992e-05
D35	0	6.423272e-04	1.312047e-03	2.283391e-03	1.507547e-04
E36	0	5.030724e-05	9.030008e-05	1.103569e-04	6.180225e-06
F	0	8.865716e-03	1.996956e-02	2.807224e-02	2.093268e-03
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	2.069559e-03	3.467925e-03	5.379032e-03	8.249299e-04
G47	0	3.306308e-04	5.713585e-04	9.037476e-04	1.232814e-04
G46	0	1.326255e-02	2.715817e-02	4.942354e-02	3.208423e-03
G47	0	2.183640e-03	4.400074e-03	7.616192e-03	5.113297e-04
I	0	4.207978e-03	8.834577e-03	1.597841e-02	9.539889e-04
H49	0	5.930743e-02	8.679000e-02	1.215485e-01	2.964173e-02
H49	0	1.213677e-01	1.836550e-01	2.654517e-01	5.811098e-02
H49	0	8.902997e-04	1.478502e-03	2.288933e-03	3.660866e-04
H50	0	5.297549e-06	9.766708e-06	1.642256e-05	1.813663e-06
H50	0	8.213382e-04	1.198477e-03	1.673930e-03	4.119800e-04
H51	0	3.135068e-04	5.536948e-04	9.040731e-04	1.166914e-04
H52	0	4.657437e-02	7.562892e-02	1.160340e-01	2.014441e-02
H53	0	3.166812e-03	6.241842e-03	1.074289e-02	8.886495e-04
K64	0	9.548739e-03	2.011865e-02	3.649936e-02	2.159346e-03
K65	0	7.836877e-05	1.590225e-04	2.774392e-04	1.831577e-05
K66	0	8.002379e-06	2.494304e-05	9.812554e-05	5.341816e-06
L68	0	6.623159e-04	1.342350e-03	2.305441e-03	1.632738e-04
M_N	0	5.110236e-03	1.058819e-02	1.846562e-02	1.048629e-03
J62_63	0	1.168903e-03	2.403091e-03	4.191576e-03	2.389120e-04
M_N	0	1.713352e-04	3.220261e-04	6.112649e-04	5.088063e-05
M_N	0	2.341265e-02	4.827681e-02	8.381641e-02	4.867361e-03
O84	0	9.799373e-04	1.602245e-03	2.462623e-03	4.199412e-04
P85	0	4.974288e-05	9.294358e-05	1.517426e-04	1.633582e-05
M_N	0	2.913184e-05	6.303714e-05	1.147477e-04	5.645325e-06
E37-39	0	9.255102e-06	1.738041e-05	2.814958e-05	2.862425e-06
E37-39	0	7.478198e-06	1.400264e-05	2.265922e-05	2.334741e-06
E37-39	0	2.808628e-06	5.303744e-06	8.673553e-06	8.445826e-07
E37-39	0	1.404840e-04	1.704717e-04	1.960527e-04	4.569483e-06
E37-39	0	1.619220e-06	3.057995e-06	4.989111e-06	4.935465e-07
E37-39	0	2.085879e-06	3.962342e-06	6.486072e-06	6.198589e-07
E37-39	0	7.963799e-06	1.491755e-05	3.770342e-05	2.473970e-06
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	1.969503e-05	3.682182e-05	5.939838e-05	6.159536e-06
E37-39	0	1.282519e-05	2.427201e-05	3.975352e-05	3.949413e-06
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	1.734780e-05	3.217993e-05	5.150376e-05	5.571308e-06
E37-39	0	3.027356e-05	5.625740e-05	9.020457e-05	9.683452e-06
E37-39	0	6.283710e-05	1.176518e-04	1.898067e-04	1.959400e-05
E37-39	0	3.846282e-05	7.127941e-05	1.139680e-04	1.237833e-05
E37-39	0	5.907200e-06	1.129413e-05	1.855257e-05	1.686292e-06
E37-39	0	1.479547e-05	9.034680e-05	5.763781e-05	4.762908e-06

IE	E37-39	0	8.853117e-06	1.661845e-05	2.688384e-05	2.699241e-06
	E37-39	0	1.212646e-05	2.274911e-05	3.678254e-05	3.766950e-06
	R_S	0	1.670149e-08	2.565697e-08	3.731999e-08	7.612782e-09
	R_S	0	1.965777e-04	4.039624e-04	7.140692e-04	4.620050e-05
	R_S	0	7.373063e-05	1.467669e-04	2.567587e-04	2.007971e-05
	T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	5.449716e-04	2.642431e-07	3.343774e-07	2.838254e-08
	A01	0	2.423170e-06	1.774615e-04	7.095533e-06	6.008828e-07
	A01	0	1.196050e-07	2.763072e-07	5.368822e-03	2.959403e-08
	A01	0	1.123085e-08	2.577214e-08	3.551032e-08	1.518184e-05
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	1.412484e-05	3.258395e-05	4.162497e-05	3.493986e-06
	A01	0	1.512105e-09	3.370458e-09	6.236628e-09	2.563986e-10
	A01	0	3.795461e-09	8.460020e-09	1.565425e-08	6.435736e-10
	A01	0	1.699840e-09	3.788915e-09	7.010934e-09	2.882317e-10
	A01	0	1.863237e-06	3.951853e-06	7.179202e-06	4.052405e-07
	A01	0	1.111268e-07	2.340917e-07	4.241511e-07	2.488091e-08
	A01	0	9.495503e-09	2.116532e-08	3.916389e-08	1.610095e-09
	A01	0	2.886182e-12	6.433253e-12	1.190396e-11	4.893926e-13
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	4.604287e-07	9.904870e-07	1.735551e-06	1.039650e-07
	A03	0	6.501228e-08	1.491709e-07	2.058058e-07	1.510954e-08
	B_nongas	0	1.107968e-08	1.669399e-08	2.383441e-08	5.179531e-09
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0	7.352354e-08	1.107393e-07	1.581192e-07	3.438081e-08
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	1.744915e-09	2.632823e-09	3.757639e-09	8.147857e-10
	B_nongas	0	2.377605e-08	3.582358e-08	5.114629e-08	1.111490e-08
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	4.141836e-06	8.702467e-06	1.523527e-05	8.829979e-07
	B_nongas	0	6.051470e-07	1.271314e-06	2.225960e-06	1.290673e-07
	B_nongas	0	8.034462e-08	1.689782e-07	2.955495e-07	1.707297e-08
	C10-12	0	3.063878e-04	9.903420e-04	3.396652e-04	9.700262e-05
	C10-12	0	1.813277e-03	5.763589e-03	2.081237e-03	5.918649e-04
	C10-12	0	1.986761e-04	6.439597e-04	2.186699e-04	6.258318e-05
	C10-12	0	4.473364e-04	1.472377e-03	4.760758e-04	1.368437e-04
	C10-12	0	1.046468e-06	3.055968e-06	1.526496e-06	3.677855e-07
	C10-12	0	2.403723e-04	7.654277e-04	2.756926e-04	7.808633e-05
	C10-12	0	2.806712e-07	9.305667e-07	2.919189e-07	8.362894e-08

C10-12	0	2.485997e-05	7.405297e-05	3.218344e-05	8.978324e-06
C10-12	0	4.305131e-04	1.380876e-03	4.851118e-04	1.382436e-04
C10-12	0	3.932564e-05	1.175977e-04	5.063642e-05	1.416906e-05
C10-12	0	2.303207e-04	7.335239e-04	2.633674e-04	7.493916e-05
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	0	2.926790e-04	7.432981e-04	1.122974e-03	5.345130e-05
C13-15	0	1.455121e-05	3.264094e-05	6.095623e-05	2.686183e-06
C13-15	0	4.247383e-05	1.001117e-04	1.919552e-04	5.967605e-06
C16	0	7.055574e-04	1.608224e-03	2.939967e-03	1.077523e-04
C16	0	1.078862e-04	2.455810e-04	4.444474e-04	1.678459e-05
C17	0	1.363578e-04	3.223536e-04	4.962257e-04	2.460946e-05
C17	0	8.095193e-07	1.913655e-06	2.946443e-06	1.460444e-07
C17	0	6.081086e-04	1.346880e-03	2.368286e-03	1.208144e-04
C18	0	9.704690e-04	1.578449e-03	2.411375e-03	4.072979e-04
C19	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	0	9.113543e-04	2.007493e-03	1.655585e-03	1.655573e-04
C24	0	7.710132e-07	1.854862e-06	3.373895e-06	1.127697e-07
C20-21	0	1.094252e-04	2.258093e-04	3.938325e-04	2.319620e-05
C20-21	0	8.059813e-04	1.691470e-03	2.979449e-03	1.600680e-04
C20-21	0	6.044183e-08	1.238966e-07	2.160296e-07	1.351934e-08
C20-21	0	3.704762e-02	6.387547e-07	1.312756e-01	3.416517e-02
C20-21	0	1.249939e-01	4.195507e-01	1.274447e-01	3.669754e-02
C22	0	3.040479e-02	7.004813e-02	1.280346e-01	4.516303e-03
C23	0	1.944531e-03	5.441323e-04	6.969900e-03	1.608699e-03
C23	0	2.328238e-04	5.102883e-04	9.005905e-04	4.148064e-05
C23	0	2.673483e-06	7.021729e-06	7.453268e-06	5.948709e-07
C23	0	8.181529e-07	2.215132e-06	2.091619e-06	1.907073e-07
C23	0	3.463649e-04	9.635962e-04	7.560284e-04	9.500574e-05
C23	0	1.344374e-05	3.639821e-05	3.437065e-05	3.133587e-06
C23	0	9.907612e-05	2.466052e-04	2.908357e-04	2.410461e-05
C24	0	8.418180e-06	1.839835e-05	3.150247e-05	1.279249e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.938058e-06	6.419149e-06	1.098819e-05	4.477384e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.192918e-05	2.607228e-05	4.464562e-05	1.815172e-06
C24	0	5.414619e-06	1.180018e-05	2.028462e-05	8.366997e-07
C24	0	2.721127e-06	5.946540e-06	1.018227e-05	4.143890e-07
C24	0	7.780770e-06	1.699479e-05	2.907209e-05	1.179296e-06
C24	0	9.744142e-07	2.129111e-06	3.644691e-06	1.484077e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	4.334787e-06	9.475050e-06	1.622550e-05	6.591318e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	0	4.874192e-03	1.072453e-02	1.857722e-02	7.220859e-04
C25	0	1.304412e-03	3.052692e-03	4.596258e-03	2.469100e-04
C26	0	1.488919e-02	3.398803e-02	6.436257e-02	2.537137e-03
C27	0	1.769856e-02	3.855291e-02	7.065543e-02	3.339356e-03
C27	0	6.953930e-04	1.519585e-03	2.773365e-03	1.322491e-04

C28_32	0	7.324377e-03	2.131409e-02	1.660261e-02	1.943058e-03
C29	0	7.864542e-05	1.843125e-04	3.517461e-04	1.204399e-05
C30	0	1.732100e-04	3.631457e-04	6.383796e-04	3.444392e-05
C31	0	1.652257e-03	3.853854e-03	7.057848e-03	2.668329e-04
E37-39	0	5.297124e-07	7.978393e-07	1.139196e-06	2.477021e-07
E37-39	0	7.013359e-06	1.056334e-05	1.508288e-05	3.279561e-06
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	9.709311e-09	1.462392e-08	2.088078e-08	4.540232e-09
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	4.946653e-10	7.450522e-10	1.063824e-09	2.313135e-10
D35	0	1.462042e-09	2.202091e-09	3.144258e-09	6.836748e-10
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0	7.365502e-08	2.414532e-07	1.453668e-07	5.300209e-09
F	0	9.432849e-04	2.164797e-03	2.800383e-03	2.315311e-04
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	2.633137e-04	5.002104e-04	8.345859e-04	7.497824e-05
G47	0	1.793815e-04	3.295073e-04	5.430468e-04	5.717430e-05
G46	0	4.129720e-03	6.761525e-03	1.028134e-02	1.679231e-03
G47	0	1.401259e-04	2.362950e-04	3.662717e-04	5.366859e-05
I	0	1.512518e-03	3.182755e-03	5.763035e-03	3.396235e-04
H49	0	4.497958e-04	6.566853e-04	9.178630e-04	2.255026e-04
H49	0	2.989835e-03	4.519115e-03	6.526094e-03	1.433850e-03
H49	0	5.441333e-07	7.929384e-07	1.106298e-06	2.734218e-07
H50	0	1.359020e-04	1.980432e-04	2.763075e-04	6.828944e-05
H50	0	3.808536e-06	5.549990e-06	7.743281e-06	1.913753e-06
H51	0	8.782453e-04	1.694918e-03	2.920287e-03	2.633676e-04
H52	0	1.162089e-03	1.883833e-03	2.888679e-03	5.041713e-04
H53	0	1.158820e-03	2.417689e-03	4.305681e-03	2.483137e-04
K64	0	5.908323e-02	1.243914e-01	2.252967e-01	1.330937e-02
K65	0	1.855420e-03	3.788927e-03	6.598621e-03	4.146150e-04
K66	0	1.374184e-05	4.338093e-05	1.730792e-04	9.412878e-06
L68					

IT	M_N	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	5.167002e-04	5.898749e-04	6.301469e-04	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	7.199819e-07	1.541152e-06	1.571438e-04	1.561070e-07
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	2.697987e-06	5.773654e-06	1.057866e-05	5.855147e-07
	E37-39	0	2.149524e-05	4.602603e-05	8.435772e-05	4.655443e-06
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	6.089790e-06	1.302809e-05	2.386633e-05	1.323014e-06
	E37-39	0	5.799356e-06	1.241764e-05	2.275933e-05	1.256043e-06
	E37-39	0	8.953578e-06	1.908828e-05	3.489934e-05	1.968794e-06
	E37-39	0	7.378123e-06	1.576162e-05	2.885048e-05	1.610959e-06
	E37-39	0	2.660108e-06	5.664587e-06	1.034984e-05	0.000000e+00
	E37-39	0	0.000000e+00	1.335186e-03	2.929818e-04	0.000000e+00
	E37-39	0	4.394078e-06	9.364656e-06	1.711824e-05	0.000000e+00
	E37-39	0	5.111698e-06	1.091601e-05	1.997689e-05	1.117498e-06
	R_S	0	5.022118e-08	1.060830e-07	1.930799e-07	1.152286e-08
	R_S	0	8.895835e-05	1.890119e-04	3.451462e-04	1.998541e-05
	R_S	0	2.413032e-06	5.096207e-06	9.273716e-06	5.531044e-07
	T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	1.122789e-03	1.337095e-11	2.429536e-11	1.442838e-12
	A01	0	4.849626e-12	2.446083e-02	1.858753e-11	1.103865e-12
	A01	0	1.733053e-11	3.655647e-11	4.450861e+00	3.944750e-12
	A01	0	4.079596e-12	8.605370e-12	1.563618e-11	4.457717e-03
	A01	0	1.020760e-12	2.153159e-12	3.912344e-12	2.323439e-13
	A01	0	3.079035e-10	6.494820e-10	1.180125e-09	7.008456e-11
	A01	0	4.928180e-05	1.037105e-04	1.878225e-04	1.632063e-05
	A01	0	1.403558e-11	2.960622e-11	5.379525e-11	3.194759e-12
	A01	0	3.775332e-13	7.963567e-13	1.447000e-12	8.593357e-14
	A01	0	1.677354e-12	3.538157e-12	6.428922e-12	3.817968e-13
	A01	0	3.724140e-05	7.837224e-05	1.419342e-04	8.365583e-06
	A01	0	2.720791e-06	5.725738e-06	1.036946e-05	6.111747e-07
	A01	0	8.463118e-12	1.785183e-11	3.243724e-11	1.926363e-12
	A01	0	1.109248e-12	2.339812e-12	4.251498e-12	2.524853e-13
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	0.000000e+00	0.000000e+00	3.119560e-05	0.000000e+00
	A03	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	1.052853e-07	2.339821e-07	4.327670e-07	1.903549e-08
	B_nongas	0	2.618152e-05	5.436593e-05	9.486922e-05	5.325613e-06
	B_gas	0	8.318261e-05	1.703822e-04	3.047192e-04	1.849200e-05

B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	1.594396e-08	3.553034e-08	6.633066e-08	2.832174e-09
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	3.578457e-09	7.939883e-09	1.477574e-08	6.432170e-10
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	1.598407e-03	3.626577e-03	6.828732e-03	2.679705e-04
B_nongas	0	2.979254e-04	6.485542e-04	1.167178e-03	5.446908e-05
B_nongas	0	6.347655e-03	1.402742e-02	2.608075e-02	1.189037e-03
C10-12	0	1.196855e-05	2.608744e-05	4.281728e-05	2.673532e-06
C10-12	0	6.809014e-06	1.482596e-05	2.451456e-05	1.508703e-06
C10-12	0	3.055466e-05	6.612736e-05	1.113998e-04	6.721244e-06
C10-12	0	2.172987e-06	4.714774e-06	7.867590e-06	4.750549e-07
C10-12	0	5.301484e-06	1.153685e-05	1.910071e-05	1.175014e-06
C10-12	0	6.439465e-05	1.500287e-04	2.158701e-04	1.398163e-05
C10-12	0	1.433109e-06	3.112360e-06	5.177735e-06	3.177545e-07
C10-12	0	3.148185e-06	6.840218e-06	1.136546e-05	6.978821e-07
C10-12	0	2.029649e-04	4.346451e-04	7.667149e-04	4.297560e-05
C10-12	0	3.514386e-05	7.499780e-05	1.301483e-04	7.718587e-06
C10-12	0	1.371216e-04	2.906129e-04	5.118637e-04	3.020776e-05
C10-12	0	2.879952e-06	3.645803e-06	9.083372e-04	3.424822e-05
C13-15	0	8.692232e-03	2.092890e-02	4.043476e-02	1.120466e-03
C13-15	0	6.442127e-04	1.610544e-03	3.145865e-03	6.874895e-05
C13-15	0	4.700773e-02	1.122282e-01	2.179957e-01	6.504181e-03
C16	0	3.495628e-03	7.892001e-03	1.473712e-02	5.765619e-04
C16	0	3.512437e-03	7.929025e-03	1.480699e-02	5.794931e-04
C17	0	3.004507e-06	6.913009e-06	1.274995e-05	4.615277e-07
C17	0	9.947769e-05	2.286119e-04	4.209086e-04	1.532864e-05
C17	0	1.308734e-02	2.833703e-02	5.214797e-02	2.674457e-03
C18	0	1.012129e-03	2.212144e-03	4.078976e-03	1.967934e-04
C19	0	1.895976e-04	4.141553e-04	1.454807e-04	2.117405e-05
C19	0	1.034178e+00	2.069073e+00	6.373765e-01	1.673454e-01
C24	0	1.532531e-07	3.337231e-07	6.111097e-07	2.898055e-08
C20-21	0	2.508124e-03	5.237349e-03	4.835387e-03	4.135971e-04
C20-21	0	5.083577e-04	1.084341e-03	1.327574e-03	8.455143e-05
C20-21	0	8.392967e-07	1.735296e-06	1.297537e-06	1.378860e-07
C20-21	0	5.617339e-06	1.161643e-05	8.730541e-06	9.300129e-07
C20-21	0	8.051197e-03	2.888716e-02	9.805468e-03	1.637605e-03
C22	0	3.957561e-02	9.059452e-02	1.684515e-01	5.815539e-03
C23	0	5.714693e-03	1.243732e-02	2.241383e-02	1.006334e-03
C23	0	3.230866e-03	7.036370e-03	1.269909e-02	5.705809e-04
C23	0	1.857541e-03	4.123620e-03	7.554449e-03	3.260268e-04
C23	0	2.165569e-04	4.832166e-04	8.907417e-04	3.917406e-05
C23	0	1.650146e-03	3.681300e-03	6.784950e-03	2.996842e-04
C23	0	4.440471e-04	9.904389e-04	1.826172e-03	8.060559e-05

C23	0	4.060504e-03	8.994184e-03	1.639482e-02	6.798237e-04
C24	0	1.285882e-02	2.580273e-02	9.081881e-03	2.089477e-03
C24	0	1.700482e-02	3.411156e-02	1.182570e-02	2.759218e-03
C24	0	2.130475e-03	4.281731e-03	1.579019e-03	3.472956e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.052626e-03	2.114141e-03	7.585343e-04	1.709098e-04
C24	0	4.343278e-03	8.717484e-03	3.030238e-03	7.047234e-04
C24	0	7.862523e-04	1.581106e-03	5.956015e-04	1.273928e-04
C24	0	6.755594e-04	1.358093e-03	5.098980e-04	1.095688e-04
C24	0	4.080784e-03	8.197239e-03	2.957686e-03	6.626180e-04
C24	0	1.206698e-03	2.424173e-03	8.923455e-04	1.960521e-04
C24	0	9.336131e-05	1.884389e-04	7.988266e-05	1.510603e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.835727e-03	7.701471e-03	2.721744e-03	6.224111e-04
C25_33	0	3.445676e-02	7.564556e-02	1.317574e-01	5.402248e-03
C25	0	3.052534e-02	6.958007e-02	1.138940e-01	6.055970e-03
C26	0	4.308463e-03	9.433503e-03	1.735933e-02	8.102959e-04
C27	0	1.317903e-01	2.871035e-01	5.259514e-01	2.488044e-02
C27	0	3.064054e-03	6.706862e-03	1.224821e-02	5.726342e-04
C28_32	0	6.194233e-03	1.442479e-02	2.749729e-02	9.582257e-04
C29	0	3.790295e-03	8.481684e-03	1.515347e-02	6.892276e-04
C30	0	2.776133e-03	6.173220e-03	1.139925e-02	4.951203e-04
C31	0	5.536136e-02	1.283215e-01	2.450121e-01	8.621558e-03
E37-39	0	4.373993e-05	9.475904e-05	1.652375e-04	8.021483e-06
E37-39	0	8.570089e-07	1.449599e-06	2.100342e-06	3.536394e-07
D35	0	1.741281e-04	3.791543e-04	6.948173e-04	3.290331e-05
D35	0	1.751162e-03	3.813723e-03	6.982331e-03	3.311924e-04
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	1.037659e-04	2.259681e-04	4.138653e-04	1.961809e-05
D35	0	2.031867e-05	4.423343e-05	8.101896e-05	3.845883e-06
D35	0	4.822582e-07	1.111800e-06	1.420677e-06	1.194016e-07
D35	0	2.310859e-05	5.032247e-05	9.215695e-05	4.369869e-06
D35	0	1.138414e-07	2.477894e-07	4.536769e-07	2.157626e-08
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	1.625331e-05	3.537792e-05	6.477610e-05	3.080035e-06
D35	0	9.086084e-08	1.767881e-07	2.328495e-07	3.165137e-08
D35	0	9.059464e-08	1.762713e-07	2.321750e-07	3.155753e-08
D35	0	1.800970e-03	3.922196e-03	7.180929e-03	3.406127e-04
D35	0	4.177697e-04	9.096704e-04	1.667012e-03	7.894192e-05
D35	0	1.144482e-03	2.492479e-03	4.563340e-03	2.164528e-04
E36	0	1.107611e-03	2.412142e-03	4.416154e-03	2.094869e-04
F	0	3.078118e-03	6.998626e-03	9.300552e-03	7.452004e-04
F	0	2.594719e-06	5.839886e-06	8.168359e-06	6.093704e-07
G45	0	8.756690e-04	1.932945e-03	3.533197e-03	1.544349e-04
G47	0	3.631313e-04	7.741558e-04	1.391207e-03	7.457961e-05
G46	0	6.538834e-03	1.296471e-02	2.226978e-02	1.878420e-03
G47	0	6.974479e-03	1.563620e-02	2.874278e-02	1.280384e-03

I	0	1.137236e-02	2.394068e-02	4.335542e-02	2.551179e-03
H49	0	1.089836e-02	1.618660e-02	2.298976e-02	5.345347e-03
H49	0	3.281024e-02	5.054377e-02	7.420219e-02	1.532569e-02
H49	0	4.384780e-04	8.405802e-04	1.439576e-03	1.330857e-04
H50	0	5.200114e-04	7.917396e-04	1.150532e-03	2.469312e-04
H50	0	4.960833e-05	7.463917e-05	1.072656e-04	2.391610e-05
H51	0	5.601358e-04	1.105210e-03	1.935225e-03	1.601381e-04
H52	0	1.209208e-02	1.955042e-02	2.985345e-02	5.256312e-03
H53	0	2.260453e-03	4.553857e-03	7.966137e-03	5.664040e-04
K64	0	4.639586e-03	9.776772e-03	1.774639e-02	1.049818e-03
K65	0	6.492986e-04	1.317187e-03	2.297393e-03	1.517860e-04
K66	0	5.290156e-05	1.196864e-04	2.745924e-04	1.529119e-05
L68	0	3.779930e-04	7.968861e-04	1.430587e-03	8.073834e-05
M_N	0	1.784241e-03	3.272199e-03	5.417422e-03	6.003846e-04
J62_63	0	1.038783e-03	2.320714e-03	4.322460e-03	1.882880e-04
M_N	0	7.706348e-05	1.933634e-04	2.538253e-04	1.515406e-05
M_N	0	1.973866e-02	4.082254e-02	7.092994e-02	4.029928e-03
O84	0	8.304132e-05	1.847169e-04	3.396482e-04	1.441132e-05
P85	0	2.001057e-04	4.350000e-04	7.957746e-04	3.824505e-05
M_N	0	1.270848e-04	2.842066e-04	5.295760e-04	2.236122e-05
E37-39	0	6.973181e-06	1.514837e-05	2.768951e-05	1.343225e-06
E37-39	0	6.905182e-06	1.498672e-05	2.739374e-05	1.339496e-06
E37-39	0	9.944664e-06	2.152563e-05	3.941880e-05	1.971267e-06
E37-39	0	1.844264e-04	2.223009e-04	2.562855e-04	2.167341e-06
E37-39	0	1.056130e-06	2.288740e-06	4.187790e-06	2.065930e-07
E37-39	0	2.191686e-06	4.757235e-06	8.703525e-06	4.228866e-07
E37-39	0	9.963157e-06	2.166948e-05	7.633126e-05	1.901181e-06
E37-39	0	6.497928e-07	1.409607e-06	2.578990e-06	1.114291e-07
E37-39	0	8.974980e-08	1.946500e-07	3.561298e-07	1.515616e-08
E37-39	0	1.273617e-06	2.772604e-06	5.080087e-06	2.409649e-07
E37-39	0	1.414477e-05	3.071285e-05	5.605626e-05	2.761885e-06
E37-39	0	3.558658e-07	7.747088e-07	1.419431e-06	6.732377e-08
E37-39	0	9.773209e-06	2.121510e-05	3.880855e-05	1.885521e-06
E37-39	0	1.303786e-05	2.831860e-05	5.179348e-05	2.504358e-06
E37-39	0	2.054223e-05	4.461836e-05	8.160444e-05	3.942033e-06
E37-39	0	2.371495e-05	5.155249e-05	9.434790e-05	4.528726e-06
E37-39	0	2.689047e-06	5.829167e-06	1.066195e-05	4.541607e-07
E37-39	0	1.741721e-05	2.621595e-04	1.185333e-04	3.314900e-06
E37-39	0	3.187480e-06	6.915934e-06	1.264856e-05	5.614474e-07
E37-39	0	8.713983e-06	1.893518e-05	3.465938e-05	1.669755e-06
R_S	0	8.933143e-09	1.886249e-08	3.431648e-08	2.045203e-09
R_S	0	3.433171e-04	7.397902e-04	1.349392e-03	7.030961e-05
R_S	0	1.580890e-05	3.628877e-05	6.115863e-05	3.100331e-06
T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
LT A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	7.229567e-04	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	4.299691e-04	0.000000e+00	0.000000e+00

A01	0	0.000000e+00	0.000000e+00	3.774772e-02	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	7.246181e-06
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	6.518179e-06	1.007890e-05	2.408047e-05	3.364328e-06
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	2.068184e-06	3.204748e-06	4.813075e-06	9.619210e-07
A01	0	1.518821e-06	2.353513e-06	3.516554e-06	7.057440e-07
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0	2.684529e-05	4.365617e-05	6.706492e-05	1.154235e-05
A03	0	1.279245e-05	1.947335e-05	2.885379e-05	5.918441e-06
B_nongas	0	3.100545e-03	6.103848e-03	1.026450e-02	7.440965e-04
B_nongas	0	1.533765e-05	2.261675e-05	3.374155e-05	7.526839e-06
B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	1.016752e-06	1.640116e-06	2.532850e-06	4.439385e-07
B_nongas	0	1.554269e-06	2.071714e-06	4.155371e-06	8.103002e-07
B_nongas	0	3.568509e-07	4.443468e-07	9.744580e-07	1.954612e-07
C10-12	0	1.515302e-06	9.347585e-07	7.363306e-06	1.214591e-06
C10-12	0	4.672254e-06	1.601490e-06	1.741861e-05	3.912242e-06
C10-12	0	3.722149e-05	2.146492e-06	1.345660e-04	3.384575e-05
C10-12	0	1.426931e-06	2.191419e-06	1.430163e-05	1.051926e-06
C10-12	0	1.153829e-07	1.895394e-07	2.916195e-07	4.830054e-08
C10-12	0	6.500152e-05	3.197896e-05	2.181537e-04	5.080720e-05
C10-12	0	1.916673e-08	3.013275e-08	4.503212e-08	8.701308e-09
C10-12	0	1.209506e-06	6.136630e-07	5.272393e-06	9.809035e-07
C10-12	0	2.673805e-05	1.592622e-05	1.568017e-04	2.260214e-05
C10-12	0	1.115531e-05	5.863734e-06	4.007441e-04	2.180605e-05
C10-12	0	1.538939e-05	4.261150e-06	5.169245e-05	1.294107e-05
C10-12	0	2.188615e-05	7.001729e-06	9.012750e-05	1.860470e-05
C13-15	0	1.855393e-04	4.552928e-04	8.945526e-04	2.148755e-05
C13-15	0	4.950746e-05	1.164312e-04	2.244712e-04	7.669269e-06
C13-15	0	1.001615e-05	2.392716e-05	4.649824e-05	1.383895e-06
C16	0	9.182078e-04	2.056493e-03	3.823139e-03	1.554627e-04
C16	0	7.044942e-05	1.586279e-04	2.962013e-04	1.180310e-05

C17	0	4.716203e-06	1.051518e-05	1.946224e-05	7.995619e-07
C17	0	4.238760e-07	9.514222e-07	1.768477e-06	7.029153e-08
C17	0	9.230417e-05	2.001605e-04	3.685343e-04	1.868158e-05
C18	0	2.633344e-05	5.173117e-05	8.904109e-05	7.208928e-06
C19	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	0	1.632535e-03	3.251828e-03	9.942907e-04	2.728822e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	2.983187e-06	4.837717e-06	7.778336e-06	1.315999e-06
C20-21	0	4.481110e-07	7.299409e-07	1.182403e-06	1.957688e-07
C20-21	0	5.850119e-03	1.954668e-02	5.877984e-03	1.754173e-03
C20-21	0	2.102109e-01	1.112484e-05	7.448608e-01	1.938535e-01
C20-21	0	1.483552e-04	5.373533e-04	1.691848e-04	3.154202e-05
C22	0	2.567719e-03	5.495295e-03	1.080795e-02	5.049589e-04
C23	0	1.727593e-04	3.748561e-04	6.748693e-04	3.077470e-05
C23	0	2.528923e-05	5.481849e-05	9.865861e-05	4.535707e-06
C23	0	1.320223e-06	2.747040e-06	4.872883e-06	3.030413e-07
C23	0	3.292250e-07	6.673858e-07	1.170906e-06	8.456799e-08
C23	0	1.384145e-05	2.816637e-05	4.952468e-05	3.508987e-06
C23	0	1.160841e-06	2.356112e-06	4.136121e-06	2.969334e-07
C23	0	1.926876e-05	4.183065e-05	7.551386e-05	3.562705e-06
C24	0	6.036056e-08	1.375493e-07	2.599239e-07	9.972610e-09
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	5.542305e-07	1.281980e-06	2.438703e-06	8.607644e-08
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	6.311006e-06	1.451727e-05	2.734506e-05	9.739047e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	9.967970e-06	2.208833e-05	3.880092e-05	1.478796e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	8.399519e-06	1.913942e-05	3.549405e-05	1.290571e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	9.693271e-08	2.123562e-07	3.645576e-07	1.420438e-08
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.514588e-06	7.658011e-06	1.404031e-05	6.628993e-07
C25_33	0	4.438096e-04	9.641072e-04	1.701782e-03	7.760130e-05
C25	0	2.805895e-04	5.160422e-04	1.064083e-03	8.942950e-05
C26	0	2.177000e-07	4.495875e-07	8.064622e-07	5.428386e-08
C27	0	1.535195e-03	3.343058e-03	6.120554e-03	2.892276e-04
C27	0	6.422841e-05	1.398325e-04	2.562307e-04	1.214598e-05
C28_32	0	7.684048e-05	1.720557e-04	3.214207e-04	1.347271e-05
C29	0	1.085211e-05	2.328187e-05	4.025405e-05	1.907305e-06
C30	0	1.054873e-04	2.447834e-04	4.674836e-04	1.640908e-05
C31	0	3.499775e-03	8.105024e-03	1.547053e-02	5.478844e-04
E37-39	0	5.339070e-06	1.147612e-05	2.036327e-05	9.433499e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	1.143926e-10	2.414054e-10	4.316147e-10	2.458060e-11
D35	0	3.506979e-08	7.420305e-08	1.312821e-07	7.587278e-09
D35	0	1.396825e-07	2.932769e-07	5.242463e-07	3.037647e-08
D35	0	5.002540e-09	1.053828e-08	1.678448e-07	1.085845e-09

D35	0	1.153664e-09	2.421930e-09	4.303869e-09	2.523801e-10
D35	0	7.322033e-09	1.536552e-08	2.747428e-08	1.593546e-09
D35	0	3.235437e-10	6.975640e-10	1.176796e-09	7.078023e-11
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	5.471128e-09	1.149823e-08	2.052106e-08	1.189438e-09
D35	0	2.672527e-07	5.609559e-07	1.001371e-06	5.824401e-08
D35	0	5.379756e-08	1.127867e-07	2.013195e-07	1.175510e-08
D35	0	2.571159e-08	4.729472e-08	4.900021e-08	1.036349e-09
E36	0	6.302187e-08	1.354573e-07	6.160426e-07	8.700887e-09
F	0	3.440981e-05	6.956788e-05	1.166949e-04	8.233241e-06
F	0	1.467672e-08	3.009361e-08	5.060965e-08	3.301196e-09
G45	0	8.731190e-05	1.804562e-04	3.134134e-04	1.785578e-05
G47	0	7.598869e-06	1.539095e-05	2.650785e-05	1.710266e-06
G46	0	1.961444e-03	3.615587e-03	1.173811e-02	5.938172e-04
G47	0	1.837946e-03	3.728105e-03	6.628535e-03	4.912709e-04
I	0	9.688474e-05	2.035606e-04	3.679139e-04	2.160729e-05
H49	0	1.607681e-03	2.360218e-03	3.316666e-03	8.004970e-04
H49	0	7.568307e-03	1.147579e-02	1.661982e-02	3.614242e-03
H49	0	4.238497e-06	6.321988e-06	9.017686e-06	2.068342e-06
H50	0	1.578766e-05	2.300658e-05	3.209850e-05	7.933149e-06
H50	0	4.160538e-05	6.062946e-05	8.458950e-05	2.090631e-05
H51	0	3.056299e-05	5.705586e-05	9.673528e-05	1.012219e-05
H52	0	5.315770e-03	8.635598e-03	1.325741e-02	2.296215e-03
H53	0	3.089072e-04	6.760506e-04	1.240864e-03	5.728695e-05
K64	0	7.971390e-04	1.679529e-03	3.047017e-03	1.802659e-04
K65	0	1.249485e-05	2.534675e-05	4.420786e-05	2.921099e-06
K66	0	2.058887e-07	6.488611e-07	2.583980e-06	1.405503e-07
L68	0	1.973142e-04	4.102504e-04	7.194926e-04	3.999818e-05
M_N	0	2.741017e-04	6.220193e-04	1.172140e-03	4.588040e-05
J62_63	0	1.329018e-05	2.758829e-05	4.818529e-05	2.718286e-06
M_N	0	4.459009e-08	9.540041e-08	1.745852e-07	9.622145e-09
M_N	0	2.048023e-03	4.236143e-03	7.362021e-03	4.178602e-04
O84	0	3.655964e-05	7.703074e-05	1.397534e-04	8.268592e-06
P85	0	6.702739e-07	1.414532e-06	2.565874e-06	1.492827e-07
M_N	0	2.575384e-07	5.426757e-07	9.834927e-07	5.762067e-08
E37-39	0	3.961620e-12	8.189685e-12	1.422472e-11	8.092098e-13
E37-39	0	3.358430e-12	6.942737e-12	1.205889e-11	6.860008e-13
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	2.094739e-05	2.596467e-05	3.092256e-05	5.498487e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	1.963291e-08	3.964210e-08	1.070575e-06	4.945228e-09
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

[illegible]

B_nongas	0	1.232312e-05	2.740051e-05	5.089733e-05	2.212708e-06
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	7.878611e-07	1.633277e-06	2.797747e-06	1.653405e-07
C10-12	0	1.125417e-06	2.333748e-06	3.987507e-06	2.375027e-07
C10-12	0	1.470153e-06	3.046470e-06	5.234900e-06	3.064188e-07
C10-12	0	1.373789e-07	2.848775e-07	4.880207e-07	2.879410e-08
C10-12	0	6.668024e-07	1.382480e-06	2.368212e-06	1.398639e-07
C10-12	0	4.309837e-07	9.330273e-07	1.236228e-06	1.324229e-07
C10-12	0	4.960427e-10	1.032815e-09	1.772327e-09	1.019576e-10
C10-12	0	6.240414e-07	1.293785e-06	2.216260e-06	1.309113e-07
C10-12	0	2.597270e-05	5.382288e-05	9.257534e-05	5.398846e-06
C10-12	0	4.428325e-06	9.229459e-06	1.568561e-05	9.305974e-07
C10-12	0	2.697838e-06	5.622258e-06	9.558602e-06	5.665963e-07
C10-12	0	3.134856e-05	4.687237e-05	2.943882e-04	2.303221e-05
C13-15	0	4.338929e-04	1.052528e-03	2.058027e-03	5.494591e-05
C13-15	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C16	0	1.257261e-04	2.801768e-04	5.183297e-04	2.135076e-05
C16	0	1.827956e-05	4.073539e-05	7.536079e-05	3.104246e-06
C17	0	7.916878e-07	1.782951e-06	3.343229e-06	1.352549e-07
C17	0	2.732395e-07	6.153597e-07	1.153867e-06	4.668127e-08
C17	0	8.037568e-05	1.746928e-04	3.221963e-04	1.617047e-05
C18	0	5.418032e-06	1.220132e-05	2.287834e-05	9.258759e-07
C19	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	7.396406e-07	1.800549e-06	2.330345e-06	1.747498e-07
C20-21	0	4.178569e-07	7.110206e-07	1.081963e-06	1.611389e-07
C20-21	0	3.232175e-07	6.665315e-07	1.159349e-06	6.759821e-08
C20-21	0	1.601927e-07	3.687285e-07	4.884415e-07	4.217674e-08
C20-21	0	8.736819e-07	1.455539e-06	2.238406e-06	3.432607e-07
C22	0	3.442851e-03	7.868861e-03	1.464204e-02	5.064859e-04
C23	0	8.694348e-08	1.954775e-07	3.662119e-07	1.498548e-08
C23	0	2.497306e-07	4.683820e-07	7.710562e-07	7.516267e-08
C23	0	2.549060e-05	5.155718e-05	8.931688e-05	6.301798e-06
C23	0	3.825412e-06	6.384557e-06	9.702085e-06	1.546878e-06
C23	0	8.888590e-07	1.457238e-06	2.182499e-06	3.711093e-07
C23	0	3.414596e-06	5.601174e-06	8.392743e-06	1.424290e-06
C23	0	2.630378e-04	5.735640e-04	1.035472e-03	4.688576e-05
C24	0	9.822342e-07	2.096973e-06	3.615757e-06	1.669668e-07
C24	0	2.142883e-07	4.159977e-07	3.189589e-06	3.281290e-08
C24	0	2.108627e-05	4.493918e-05	7.750363e-05	3.623892e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.908538e-05	6.205803e-05	1.066182e-04	4.966566e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.944564e-05	4.146235e-05	7.145228e-05	3.332433e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	4.019366e-11	8.581902e-11	1.473652e-10	6.833939e-12

C24	0	2.876463e-05	6.130457e-05	1.057738e-04	4.942484e-06
C24	0	1.029010e-05	2.166367e-05	3.747812e-05	1.903480e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	0	1.435748e-03	3.133095e-03	5.366815e-03	2.147934e-04
C25	0	1.111034e-04	2.558790e-04	3.927123e-04	2.397321e-05
C26	0	1.630146e-06	3.466031e-06	5.741276e-06	3.414322e-07
C27	0	1.589325e-06	3.392435e-06	4.823155e-06	4.175805e-07
C27	0	9.698510e-09	2.045773e-08	3.717222e-08	2.207561e-09
C28_32	0	2.280433e-04	5.303433e-04	1.017574e-03	3.652220e-05
C29	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C30	0	4.736451e-05	1.034296e-04	1.762173e-04	6.892212e-06
C31	0	6.831493e-08	1.037316e-07	1.497305e-07	3.208651e-08
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	2.670803e-04	5.038760e-04	4.937397e-03	3.875794e-05
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	8.566364e-06	1.612045e-05	1.613672e-04	1.155930e-06
D35	0	6.091486e-06	1.146336e-05	1.168756e-04	9.416632e-08
D35	0	1.240686e-06	2.315295e-06	2.531051e-05	3.405748e-10
D35	0	7.908906e-06	1.482994e-05	1.507783e-04	1.053043e-06
D35	0	4.283378e-06	8.012162e-06	8.571547e-05	2.276651e-08
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	2.997124e-06	5.777226e-06	1.012078e-05	6.200462e-07
D35	0	6.455517e-06	9.004445e-06	1.815425e-05	1.331442e-06
D35	0	5.408657e-06	1.004200e-05	1.758669e-05	1.076619e-06
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0	2.869876e-06	5.915136e-06	1.035360e-05	6.021432e-07
F	0	7.674731e-04	1.763112e-03	2.257019e-03	1.906530e-04
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	4.290284e-05	7.469185e-05	1.184273e-04	1.541579e-05
G47	0	2.924310e-04	5.355800e-04	8.812693e-04	9.397980e-05
G46	0	2.125264e-03	3.411933e-03	5.114012e-03	8.955699e-04
G47	0	4.154032e-04	7.625009e-04	1.244578e-03	1.300317e-04
I	0	2.295367e-04	4.819067e-04	8.709003e-04	5.180303e-05
H49	0	9.140941e-04	1.411759e-03	2.005936e-03	4.296556e-04
H49	0	2.015058e-03	3.209927e-03	4.683243e-03	9.053576e-04
H49	0	5.752355e-05	1.051522e-04	1.547601e-04	2.119262e-05
H50	0	3.157570e-05	5.068145e-05	7.709416e-05	1.391074e-05
H50	0	7.372630e-06	1.193466e-05	1.827986e-05	3.205702e-06
H51	0	1.038366e-03	1.706898e-03	2.639681e-03	4.382332e-04
H52	0	1.311784e-03	2.144416e-03	3.304758e-03	5.597060e-04
H53	0	2.078338e-04	4.275320e-04	7.531549e-04	4.698514e-05
K64	0	1.302391e-01	2.744067e-01	4.978311e-01	2.945240e-02

K65	0	3.023699e-03	6.133736e-03	1.069787e-02	7.068952e-04
K66	0	1.622663e-05	5.122503e-05	2.043753e-04	1.111491e-05
L68	0	5.282011e-05	1.090790e-04	1.930834e-04	1.208945e-05
M_N	0	9.139678e-04	1.886747e-03	3.284805e-03	1.901251e-04
J62_63	0	4.448149e-05	8.720338e-05	1.504028e-04	1.231074e-05
M_N	0	1.378053e-06	3.092614e-06	4.740722e-06	3.194594e-07
M_N	0	1.938829e-03	4.009220e-03	6.988711e-03	3.972542e-04
O84	0	9.531093e-06	2.062930e-05	3.322179e-05	2.240229e-06
P85	0	7.189979e-06	1.515111e-05	2.744334e-05	1.630387e-06
M_N	0	3.781245e-06	7.843800e-06	1.394908e-05	8.475352e-07
E37-39	0	2.463356e-06	4.572834e-06	7.813038e-06	7.901240e-07
E37-39	0	1.901265e-06	3.497658e-06	5.956733e-06	6.262383e-07
E37-39	0	7.651945e-07	1.500013e-06	2.634769e-06	2.188194e-07
E37-39	0	3.503995e-05	4.168308e-05	4.709904e-05	6.777739e-07
E37-39	0	4.158488e-07	7.812739e-07	1.346581e-06	1.308174e-07
E37-39	0	5.066505e-07	9.126051e-07	1.566681e-06	1.743751e-07
E37-39	0	6.183826e-07	1.175993e-06	5.899550e-06	1.849641e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	3.059033e-06	5.751234e-06	9.662839e-06	9.625998e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	7.895282e-07	1.494557e-06	2.512684e-06	2.411949e-07
E37-39	0	1.557697e-06	2.907849e-06	4.834127e-06	4.929367e-07
E37-39	0	9.209559e-07	1.813024e-06	3.110854e-06	2.496615e-07
E37-39	0	6.322068e-07	1.212641e-06	2.051186e-06	1.855827e-07
E37-39	0	3.487982e-07	7.022125e-07	1.226716e-06	6.950515e-08
E37-39	0	4.071221e-07	9.555935e-06	3.354739e-06	9.944161e-08
E37-39	0	1.575675e-07	3.141222e-07	5.446400e-07	3.561446e-08
E37-39	0	2.208479e-07	4.429268e-07	7.718086e-07	5.729408e-08
R_S	0	8.543560e-07	1.809648e-06	3.231230e-06	1.714936e-07
R_S	0	2.642168e-04	5.587109e-04	1.017344e-03	6.030957e-05
R_S	0	9.220715e-06	1.914252e-05	3.448818e-05	2.236075e-06
T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
LV A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	1.185187e-04	4.355478e-09	7.999402e-09	3.340886e-10
A01	0	1.881047e-09	3.006952e-04	7.697020e-09	3.214599e-10
A01	0	4.113450e-09	9.164476e-09	5.486930e-03	7.029646e-10
A01	0	2.078105e-09	4.629935e-09	8.503498e-09	8.991386e-05
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	6.735986e-06	1.494402e-05	2.759600e-05	1.174352e-06
A01	0	1.373587e-09	3.060297e-09	5.620647e-09	2.347168e-10
A01	0	1.584704e-09	3.530609e-09	6.484422e-09	2.708167e-10
A01	0	1.016724e-09	2.265176e-09	4.160287e-09	1.737590e-10
A01	0	6.168221e-07	1.366095e-06	2.520659e-06	1.086203e-07
A01	0	8.990631e-07	1.991183e-06	3.674043e-06	1.583220e-07

A01	0	3.841771e-09	8.559194e-09	1.572007e-08	6.565363e-10
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0	1.149756e-05	2.436218e-05	4.431842e-05	2.475193e-06
A03	0	7.509434e-08	1.517508e-07	2.458088e-07	2.013827e-08
B_nongas	0	1.560212e-02	1.806036e-02	6.062820e-03	5.423371e-03
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	8.997014e-11	1.325708e-10	1.852938e-10	4.324386e-11
B_nongas	0	2.697738e-10	3.975110e-10	5.556000e-10	1.296659e-10
B_nongas	0	4.048956e-04	8.949748e-04	1.664763e-03	7.587182e-05
C10-12	0	1.483590e-05	1.261171e-07	5.254549e-05	1.363910e-05
C10-12	0	2.582176e-05	2.229591e-07	9.145192e-05	2.373769e-05
C10-12	0	1.047297e-05	1.034541e-07	3.708371e-05	9.623647e-06
C10-12	0	1.222207e-04	6.320877e-07	4.331261e-04	1.124879e-04
C10-12	0	1.919310e-05	1.652094e-06	6.814250e-05	1.711236e-05
C10-12	0	2.732664e-04	2.527762e-06	9.677957e-04	2.511576e-04
C10-12	0	1.851891e-06	2.217534e-07	6.580009e-06	1.628946e-06
C10-12	0	6.667283e-06	1.179198e-07	2.357637e-05	6.110391e-06
C10-12	0	1.258839e-05	4.835841e-06	4.321389e-05	1.001474e-05
C10-12	0	8.219976e-05	1.030142e-06	2.909643e-04	7.546473e-05
C10-12	0	1.935320e-04	5.110366e-06	6.838774e-04	1.768230e-04
C10-12	0	2.139351e-04	1.144081e-06	7.581080e-04	1.968874e-04
C13-15	0	3.658477e-04	2.531238e-04	1.426670e-03	2.541941e-04
C13-15	0	3.854027e-05	4.621573e-05	1.573712e-04	2.039020e-05
C13-15	0	1.029234e-06	1.455431e-06	4.201486e-06	4.619665e-07
C16	0	1.184640e-03	1.881991e-03	3.771290e-03	4.102999e-04
C16	0	9.181196e-07	2.080950e-06	3.908281e-06	1.520245e-07
C17	0	3.503356e-09	5.277002e-09	7.534616e-09	1.638135e-09
C17	0	1.153702e-10	1.902066e-10	2.638900e-10	4.947005e-11
C17	0	4.478959e-06	9.677661e-06	1.779796e-05	9.233368e-07
C18	0	2.871492e-06	6.353573e-06	1.175617e-05	5.174496e-07
C19	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	0	2.103309e-08	3.395618e-08	5.105751e-08	8.939554e-09
C24	0	3.620369e-09	5.452908e-09	7.785941e-09	1.692944e-09
C20-21	0	2.344834e-08	3.839273e-08	5.659905e-08	9.861026e-09
C20-21	0	2.827432e-08	4.595569e-08	6.823445e-08	1.196758e-08
C20-21	0	1.158271e-08	1.745389e-08	2.491894e-08	5.414139e-09

C20-21	0	1.036299e-03	2.733653e-06	3.669595e-03	9.548494e-04
C20-21	0	1.309412e-08	2.562209e-08	4.451311e-08	3.798566e-09
C22	0	1.201658e-04	2.751978e-04	5.125195e-04	1.745139e-05
C23	0	1.414942e-05	3.109594e-05	5.712950e-05	2.574162e-06
C23	0	7.454754e-08	1.719256e-07	3.242084e-07	1.109221e-08
C23	0	9.072493e-06	2.007889e-05	3.733322e-05	1.682597e-06
C23	0	1.276008e-06	2.918643e-06	5.531230e-06	2.108795e-07
C23	0	2.655484e-05	6.085001e-05	1.154280e-04	4.354695e-06
C23	0	1.067409e-06	2.441513e-06	4.626843e-06	1.763662e-07
C23	0	6.898458e-05	1.531446e-04	2.797273e-04	1.133070e-05
C24	0	4.439648e-06	9.766397e-06	1.819878e-05	9.027292e-07
C24	0	1.265526e-08	2.776213e-08	5.165861e-08	2.602051e-09
C24	0	9.322421e-12	1.404119e-11	2.004873e-11	4.359316e-12
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.464843e-07	5.402368e-07	1.004806e-06	5.087381e-08
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	4.891952e-08	1.072000e-07	1.993664e-07	1.010509e-08
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	6.058976e-07	1.327988e-06	2.469974e-06	1.250559e-07
C24	0	8.465048e-10	1.874138e-09	3.502668e-09	1.666444e-10
C24	0	1.958926e-08	4.297342e-08	7.996313e-08	4.027754e-09
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	0	4.100278e-04	8.872679e-04	1.527435e-03	6.287283e-05
C25	0	1.065651e-04	3.199517e-05	3.780590e-04	8.821742e-05
C26	0	1.640646e-04	3.368071e-04	7.031942e-04	4.057210e-05
C27	0	1.537941e-04	2.733644e-04	6.008287e-04	4.977583e-05
C27	0	2.221383e-05	5.972187e-07	7.866773e-05	2.028518e-05
C28_32	0	6.801013e-06	8.613614e-07	2.444498e-05	5.987699e-06
C29	0	7.322181e-06	2.382677e-06	2.637590e-05	5.933390e-06
C30	0	3.364613e-06	3.496413e-06	1.276791e-05	1.923193e-06
C31	0	1.143255e-03	2.649852e-03	5.068099e-03	1.786586e-04
E37-39	0	2.812028e-06	3.209979e-06	1.050672e-05	1.532650e-06
E37-39	0	3.391152e-06	5.423005e-06	1.362299e-05	1.279893e-06
D35	0	3.311196e-07	7.375857e-07	1.364412e-06	5.635230e-08
D35	0	2.646141e-06	4.449669e-06	6.977050e-06	1.072387e-06
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	2.051197e-06	3.449219e-06	5.408324e-06	8.312821e-07
D35	0	3.778551e-08	6.339652e-08	9.931847e-08	1.543213e-08
D35	0	1.793969e-08	2.998570e-08	4.683127e-08	7.370424e-09
D35	0	7.797300e-08	1.291938e-07	2.008514e-07	3.257583e-08
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	1.129719e-06	1.869291e-06	2.902849e-06	4.722044e-07
D35	0	1.058572e-05	1.414014e-05	1.906249e-05	1.537232e-06

D35	0	1.328992e-06	2.234773e-06	3.504090e-06	5.386004e-07
D35	0	1.842710e-07	3.091962e-07	4.844239e-07	7.524762e-08
E36	0	2.052637e-06	4.906036e-06	3.325332e-06	8.165161e-09
F	0	9.435870e-05	1.993887e-04	3.721992e-04	2.076657e-05
F	0	5.480243e-08	1.189294e-07	2.147883e-07	1.025862e-08
G45	0	9.922644e-06	1.688606e-05	2.681051e-05	3.949994e-06
G47	0	5.539150e-06	9.679714e-06	1.559031e-05	2.062787e-06
G46	0	1.122697e-04	1.876299e-04	2.920436e-04	4.537017e-05
G47	0	1.171224e-04	6.491091e-05	3.859536e-04	8.767565e-05
I	0	5.229331e-05	1.100742e-04	1.995768e-04	1.176991e-05
H49	0	2.719312e-03	3.970929e-03	5.551370e-03	1.362961e-03
H49	0	2.383238e-03	3.603154e-03	5.204513e-03	1.142562e-03
H49	0	1.497728e-06	2.376764e-06	3.577167e-06	6.709950e-07
H50	0	2.124026e-04	3.096309e-04	4.321374e-04	1.066853e-04
H50	0	1.333297e-06	1.943949e-06	2.713531e-06	6.695499e-07
H51	0	4.394730e-05	8.404475e-05	1.446269e-04	1.371793e-05
H52	0	1.845669e-03	2.990687e-03	4.584328e-03	8.012684e-04
H53	0	1.287484e-06	2.864647e-06	5.332413e-06	2.321447e-07
K64	0	5.388371e-06	1.135301e-05	2.059673e-05	1.218532e-06
K65	0	2.978542e-04	6.042125e-04	1.053807e-03	6.963401e-05
K66	0	1.999777e-07	6.312995e-07	2.518729e-06	1.369806e-07
L68	0	2.315660e-05	2.031458e-05	8.353754e-05	1.454376e-05
M_N	0	1.001654e-04	2.074376e-04	3.617706e-04	2.056038e-05
J62_63	0	1.176234e-06	2.420903e-06	4.343179e-06	2.940077e-07
M_N	0	1.632241e-06	3.444015e-06	6.258301e-06	3.710809e-07
M_N	0	7.015485e-04	1.426537e-03	2.520141e-03	1.516544e-04
O84	0	3.008159e-09	6.350383e-09	1.155024e-08	6.878377e-10
P85	0	1.933716e-08	4.108162e-08	7.490711e-08	4.274791e-09
M_N	0	1.844027e-08	4.146938e-08	7.660749e-08	3.107566e-09
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	1.410348e-14	3.259433e-14	4.122482e-14	3.502083e-15
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	1.834880e-05	2.106994e-05	2.270918e-05	2.150393e-08
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	8.341526e-08	1.838827e-07	3.416005e-07	1.584076e-08
E37-39	0	1.552945e-07	3.428955e-07	1.696280e-06	2.925452e-08
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	1.749764e-06	3.849315e-06	7.144458e-06	3.356257e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	1.559979e-06	3.446165e-06	6.408329e-06	2.931612e-07
E37-39	0	2.556997e-06	5.650854e-06	1.050990e-05	4.796179e-07
E37-39	0	4.786141e-06	1.057820e-05	1.967509e-05	8.972966e-07
E37-39	0	3.162225e-06	6.988734e-06	1.299852e-05	5.929865e-07
E37-39	0	2.985023e-07	6.568333e-07	1.219141e-06	4.915058e-08
E37-39	0	6.148566e-07	6.895535e-06	3.742623e-06	1.152473e-07
E37-39	0	6.755337e-07	1.491301e-06	2.772254e-06	1.223402e-07

	E37-39	0	8.081103e-07	1.784372e-06	3.317414e-06	1.522065e-07
	R_S	0	6.113603e-06	1.264965e-05	2.199040e-05	1.246795e-06
	R_S	0	1.884571e-06	4.277434e-06	8.084628e-06	3.245360e-07
	R_S	0	8.203359e-07	1.801297e-06	3.330527e-06	1.583904e-07
	T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
MT	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	4.697263e-09	1.521769e-08	5.894790e-09	1.341942e-09
	A01	0	1.876246e-06	6.303224e-06	1.900722e-06	5.513165e-07
	A01	0	3.330344e-08	1.062223e-07	6.753787e-03	9.409039e-09
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	2.533352e-09	8.207282e-09	3.179206e-09	7.237430e-10
	A01	0	2.247050e-09	7.533882e-09	2.308920e-09	6.593713e-10
	A01	0	1.254546e-08	4.014670e-08	1.673343e-08	3.549564e-09
	A01	0	8.636148e-09	2.763575e-08	1.152064e-08	2.443425e-09
	A01	0	5.752955e-09	1.841001e-08	7.673425e-09	1.627719e-09
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	1.153943e-08	3.692728e-08	1.539155e-08	3.264920e-09
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A03	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	1.243303e-06	2.844699e-06	3.818221e-06	2.973810e-07
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	0	1.265960e-07	2.362207e-07	3.893377e-07	3.787775e-08
	C10-12	0	1.051263e-07	2.128269e-07	3.660304e-07	2.361381e-08
	C10-12	0	3.629517e-07	6.517330e-07	1.050863e-06	1.206045e-07
	C10-12	0	4.057115e-08	7.548031e-08	1.242175e-07	1.224801e-08
	C10-12	0	6.307886e-09	1.317020e-08	2.258992e-08	1.323824e-09
	C10-12	0	1.183290e-06	1.982297e-06	3.060487e-06	4.601084e-07
	C10-12	0	2.842118e-12	6.001181e-12	1.091793e-11	6.506899e-13
	C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

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C29	0	1.611263e-07	3.247169e-07	5.705089e-07	4.041382e-08
C30	0	8.636501e-07	1.951140e-06	2.571655e-06	2.157529e-07
C31	0	6.681104e-04	1.548297e-03	2.954605e-03	1.047013e-04
E37-39	0	1.147132e-06	2.129178e-06	3.271786e-06	3.855556e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	5.930315e-09	1.384502e-08	1.779782e-08	1.452475e-09
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	2.336587e-08	5.455037e-08	7.012469e-08	5.722856e-09
D35	0	1.034622e-07	2.415446e-07	3.105064e-07	2.534034e-08
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0	3.470431e-07	8.015194e-07	1.016837e-06	8.612435e-08
F	0	1.105261e-03	2.809682e-03	2.749434e-03	2.875883e-04
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	3.533525e-05	6.087339e-05	9.585009e-05	1.297353e-05
G47	0	2.316405e-05	4.247498e-05	6.991714e-05	7.415307e-06
G46	0	5.902032e-04	8.990869e-04	1.305526e-03	2.722107e-04
G47	0	5.441410e-05	1.001981e-04	2.527913e-04	1.788099e-05
I	0	3.802208e-04	8.052803e-04	1.395860e-03	8.648559e-05
H49	0	1.523783e-04	2.241269e-04	3.157402e-04	7.564211e-05
H49	0	4.819194e-04	7.307069e-04	1.058559e-03	2.300717e-04
H49	0	6.374792e-07	1.133376e-06	1.886142e-06	2.277884e-07
H50	0	2.877223e-05	4.337197e-05	6.225585e-05	1.377363e-05
H50	0	3.124878e-06	4.675090e-06	6.669224e-06	1.512708e-06
H51	0	5.486855e-05	1.010041e-04	1.697073e-04	1.876246e-05
H52	0	5.325870e-04	9.500254e-04	1.540508e-03	1.869164e-04
H53	0	4.047712e-04	8.452033e-04	1.501431e-03	8.684307e-05
K64	0	9.195839e-02	1.937514e-01	3.515060e-01	2.079555e-02
K65	0	1.949135e-04	3.954005e-04	6.896056e-04	4.556801e-05
K66	0	9.855703e-05	2.098757e-04	3.999998e-04	2.304464e-05
L68	0	3.580218e-04	8.094306e-04	1.113862e-03	8.639188e-05
M_N	0	1.258262e-03	2.586250e-03	4.493610e-03	2.673210e-04
J62_63	0	2.045708e-05	4.311259e-05	7.457672e-05	4.476259e-06
M_N	0	2.907030e-08	6.213990e-08	1.073506e-07	6.682125e-09
M_N	0	1.265842e-02	2.653054e-02	4.755436e-02	2.784697e-03
O84	0	9.406566e-05	2.154826e-04	2.889603e-04	2.291205e-05
P85	0	4.199603e-05	8.511678e-05	1.466926e-04	1.120309e-05
M_N	0	1.606382e-05	3.977420e-05	4.461813e-05	3.947365e-06

	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	4.231562e-05	4.831012e-05	5.160940e-05	7.877093e-10
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	5.866155e-09	1.253511e-08	1.273336e-06	1.280466e-09
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	4.678562e-07	1.001580e-06	1.835526e-06	1.014087e-07
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	4.471946e-07	9.553360e-07	1.743175e-06	9.806865e-08
	E37-39	0	3.724144e-07	7.951172e-07	1.445712e-06	8.219761e-08
	E37-39	0	7.433149e-07	1.578577e-06	2.854128e-06	1.676257e-07
	E37-39	0	5.934617e-07	1.263529e-06	2.290871e-06	1.324629e-07
	E37-39	0	4.969459e-07	1.057816e-06	1.930584e-06	7.577706e-10
	E37-39	0	6.977944e-09	1.241143e-04	2.724934e-05	2.451305e-09
	E37-39	0	3.666483e-07	7.786609e-07	1.417160e-06	2.919269e-09
	E37-39	0	4.243838e-07	9.027644e-07	1.644299e-06	9.446277e-08
	R_S	0	6.311968e-06	1.374141e-05	2.055779e-05	1.477341e-06
	R_S	0	1.687529e-04	3.589054e-04	6.474981e-04	3.769089e-05
	R_S	0	4.982874e-05	1.051327e-04	1.911852e-04	1.145059e-05
	T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
NL	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	2.134369e-04	8.994306e-09	1.636332e-08	9.752254e-10
	A01	0	1.961872e-09	2.129453e-03	7.536491e-09	4.491618e-10
	A01	0	1.754862e-08	3.705422e-08	1.586451e+00	4.017677e-09
	A01	0	1.113615e-10	2.351417e-10	4.277927e-10	2.549570e-11
	A01	0	1.651712e-09	3.487618e-09	6.345015e-09	3.781519e-10
	A01	0	7.308524e-11	1.543208e-10	2.807554e-10	1.673253e-11
	A01	0	6.665372e-05	1.225439e-04	2.386829e-04	1.917508e-05
	A01	0	6.127184e-08	1.293766e-07	2.353744e-07	1.402791e-08
	A01	0	5.685570e-08	1.200518e-07	2.184099e-07	1.301685e-08
	A01	0	2.756328e-08	5.820034e-08	1.058837e-07	6.310487e-09
	A01	0	5.405556e-06	9.833407e-06	1.869282e-05	1.618882e-06
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	7.883431e-08	1.664600e-07	3.028403e-07	1.804876e-08
	A01	0	1.860805e-10	3.929122e-10	7.148242e-10	4.260229e-11
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	6.525560e-07	1.066050e-06	8.374368e-06	2.796854e-07
	A03	0	2.125314e-07	3.097115e-07	4.321058e-07	1.067950e-07
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	3.811198e-07	7.921859e-07	1.356523e-06	7.873784e-08
	B_gas	0	1.378980e-05	2.406689e-05	4.655641e-05	4.980897e-06
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	4.146003e-09	8.546647e-09	1.482642e-08	8.586927e-10
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	2.163420e-06	3.719280e-06	8.059322e-06	6.941250e-07
B_nongas	0	9.283513e-05	2.037452e-04	3.806148e-04	1.783888e-05
C10-12	0	5.436467e-06	7.801632e-07	1.924908e-05	4.750733e-06
C10-12	0	8.530188e-05	1.436230e-04	3.036006e-04	2.891603e-05
C10-12	0	8.315102e-06	4.953153e-06	2.953574e-05	5.957205e-06
C10-12	0	3.950644e-07	7.503800e-07	1.246816e-06	1.119375e-07
C10-12	0	6.535989e-06	5.021735e-06	2.340897e-05	4.297222e-06
C10-12	0	1.414636e-04	5.309836e-05	5.022722e-04	1.122777e-04
C10-12	0	5.131592e-09	1.161050e-08	2.182930e-08	8.801069e-10
C10-12	0	4.178196e-06	3.067750e-06	1.459242e-05	2.802935e-06
C10-12	0	1.013050e-04	4.040852e-05	3.595077e-04	7.955107e-05
C10-12	0	1.868491e-05	1.021408e-05	6.640614e-05	1.371563e-05
C10-12	0	8.163002e-05	2.891966e-05	2.892471e-04	6.536708e-05
C10-12	0	4.858306e-05	8.596097e-05	5.821849e-03	2.215888e-04
C13-15	0	2.161175e-03	5.282484e-03	1.036103e-02	2.559984e-04
C13-15	0	4.039009e-05	9.638264e-05	1.911947e-04	5.347629e-06
C13-15	0	8.274826e-04	1.976832e-03	3.841892e-03	1.143297e-04
C16	0	1.586820e-04	3.527222e-04	6.532453e-04	2.734096e-05
C16	0	9.787104e-04	2.175067e-03	4.030155e-03	1.688190e-04
C17	0	1.877719e-06	4.138187e-06	7.545305e-06	3.081642e-07
C17	0	4.424091e-05	9.817053e-05	1.796053e-04	7.096628e-06
C17	0	3.579499e-03	7.750111e-03	1.426072e-02	7.298988e-04
C18	0	3.779154e-04	8.308758e-04	1.527608e-03	6.905477e-05
C19	0	1.233893e-05	1.087719e-05	3.217753e-05	7.408091e-06
C19	0	4.445037e-02	8.642318e-02	3.077834e-02	8.151962e-03
C24	0	2.025355e-05	5.894805e-06	7.172323e-05	1.668543e-05
C20-21	0	2.783853e-03	5.656821e-03	3.404775e-03	4.604701e-04
C20-21	0	2.854399e-03	5.802686e-03	3.519406e-03	4.721279e-04
C20-21	0	3.226896e-04	1.061627e-03	3.266135e-04	9.508314e-05
C20-21	0	6.157382e-02	5.872742e-05	2.181144e-01	5.676161e-02
C20-21	0	8.173386e-04	1.530319e-03	1.057381e-03	2.025932e-04
C22	0	1.805479e-02	4.102069e-02	7.690934e-02	2.735301e-03
C23	0	4.007829e-04	8.709624e-04	1.568970e-03	7.068374e-05
C23	0	5.527679e-04	1.200142e-03	2.163778e-03	9.786087e-05
C23	0	1.720050e-05	3.678850e-05	6.815502e-05	3.290646e-06
C23	0	1.158786e-05	2.273938e-05	4.480009e-05	2.990779e-06
C23	0	7.775034e-05	1.532125e-04	3.044351e-04	1.974003e-05
C23	0	2.038343e-05	4.446220e-05	8.067774e-05	3.714488e-06
C23	0	5.190716e-04	1.144076e-03	2.085838e-03	8.684029e-05

C24	0	2.687458e-05	5.339247e-05	7.150350e-05	5.836993e-06
C24	0	2.910144e-06	6.127764e-06	7.607666e-06	5.093038e-07
C24	0	9.453208e-06	1.917021e-05	2.750353e-05	1.987363e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.415990e-05	6.819985e-05	9.284543e-05	7.359335e-06
C24	0	1.059044e-05	1.428408e-05	3.493121e-05	4.739880e-06
C24	0	5.308893e-05	1.118519e-04	1.653087e-04	1.028701e-05
C24	0	1.890818e-06	4.055886e-06	5.597729e-06	3.246048e-07
C24	0	7.914371e-05	1.630950e-04	2.309314e-04	1.658773e-05
C24	0	2.662996e-08	9.165867e-09	9.303982e-08	2.138680e-08
C24	0	5.293735e-05	1.054122e-04	1.422242e-04	1.145455e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	4.926156e-05	9.832670e-05	1.338020e-04	1.061765e-05
C25_33	0	1.020397e-02	2.254830e-02	3.931793e-02	1.520765e-03
C25	0	5.321185e-03	1.221016e-02	1.962553e-02	1.153862e-03
C26	0	7.148413e-04	1.513477e-03	3.034968e-03	1.597313e-04
C27	0	2.394584e-02	5.209864e-02	9.547815e-02	4.534967e-03
C27	0	1.272278e-03	2.768116e-03	4.948976e-03	2.467781e-04
C28_32	0	3.324071e-03	7.657409e-03	1.464421e-02	5.333096e-04
C29	0	5.788293e-04	1.301285e-03	2.370760e-03	1.043712e-04
C30	0	3.446310e-03	8.003828e-03	1.505725e-02	5.473959e-04
C31	0	1.838702e-02	4.260570e-02	8.135576e-02	2.869546e-03
E37-39	0	5.502051e-05	1.203401e-04	2.195615e-04	9.529460e-06
E37-39	0	4.534104e-06	1.053518e-05	1.989776e-05	6.410740e-07
D35	0	4.746628e-06	9.820239e-06	1.707607e-05	9.695903e-07
D35	0	1.424144e-06	2.972683e-06	5.234353e-06	2.910204e-07
D35	0	8.861485e-07	1.833295e-06	3.187326e-06	1.809400e-07
D35	0	1.611361e-08	3.331820e-08	5.790549e-08	3.295207e-09
D35	0	9.478069e-07	1.960447e-06	3.407813e-06	1.936059e-07
D35	0	5.071034e-07	1.049113e-06	1.823965e-06	1.035439e-07
D35	0	2.734624e-06	5.655375e-06	9.828343e-06	5.585900e-07
D35	0	2.425182e-08	5.013776e-08	8.709918e-08	4.955322e-09
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	1.864123e-06	3.854876e-06	6.698682e-06	3.807754e-07
D35	0	3.459529e-06	7.157194e-06	1.244334e-05	7.063907e-07
D35	0	1.330330e-05	2.752233e-05	4.784971e-05	2.716360e-06
D35	0	2.641140e-07	5.512976e-07	9.707348e-07	5.397107e-08
D35	0	9.381807e-07	1.940990e-06	3.375120e-06	1.916415e-07
E36	0	4.884703e-07	1.010617e-06	1.759022e-06	1.002193e-07
F	0	3.231091e-03	7.299329e-03	1.048163e-02	7.347850e-04
F	0	5.056861e-07	1.139779e-06	1.651233e-06	1.147299e-07
G45	0	1.669945e-03	3.443609e-03	5.977953e-03	3.459729e-04
G47	0	1.072804e-04	2.171605e-04	3.741175e-04	2.425056e-05
G46	0	1.822398e-02	3.806663e-02	4.618345e-02	3.388697e-03
G47	0	3.257193e-03	7.176289e-03	1.323316e-02	6.013618e-04
I	0	1.056971e-03	2.211430e-03	3.979365e-03	2.388444e-04

	H49	0	7.508423e-03	1.101354e-02	1.545533e-02	3.740026e-03
	H49	0	1.910777e-02	2.921226e-02	4.255277e-02	9.005334e-03
	H49	0	1.729425e-05	2.822653e-05	4.302902e-05	7.280512e-06
	H50	0	1.260657e-03	1.858250e-03	2.619935e-03	6.241272e-04
	H50	0	7.815614e-04	1.153202e-03	1.627730e-03	3.865025e-04
	H51	0	2.652712e-03	5.783747e-03	1.066782e-02	5.302441e-04
	H52	0	1.115682e-02	1.845789e-02	2.868902e-02	4.662681e-03
	H53	0	4.182722e-03	8.718694e-03	1.546326e-02	8.911629e-04
	K64	0	5.222843e-03	1.098276e-02	1.984649e-02	1.171319e-03
	K65	0	1.833028e-03	3.766618e-03	6.551520e-03	3.919275e-04
	K66	0	1.888506e-04	3.962104e-04	7.260473e-04	4.113932e-05
	L68	0	2.786320e-04	6.018244e-04	9.717167e-04	6.319497e-05
	M_N	0	2.498966e-03	5.016864e-03	8.626555e-03	5.936251e-04
	J62_63	0	5.797055e-04	1.252141e-03	2.268760e-03	1.099849e-04
	M_N	0	1.210504e-04	2.514436e-04	4.415543e-04	2.539241e-05
	M_N	0	4.771044e-02	9.873222e-02	1.713038e-01	9.727332e-03
	O84	0	1.078582e-03	2.131936e-03	3.594057e-03	2.647997e-04
	P85	0	1.881258e-04	3.871749e-04	6.734448e-04	4.004621e-05
	M_N	0	3.492196e-05	7.250035e-05	1.272183e-04	7.301764e-06
	E37-39	0	3.056339e-05	2.686717e-05	1.087843e-04	1.892700e-05
	E37-39	0	2.309449e-05	2.054594e-05	8.236391e-05	1.422373e-05
	E37-39	0	4.120094e-06	4.341640e-06	1.490682e-05	2.317164e-06
	E37-39	0	1.210158e-04	1.378129e-04	2.137770e-04	1.407271e-05
	E37-39	0	4.737740e-06	4.130498e-06	1.683501e-05	2.944316e-06
	E37-39	0	7.581317e-06	7.198092e-06	2.743106e-05	4.523599e-06
	E37-39	0	1.534010e-05	1.471239e-05	6.092123e-05	9.107839e-06
	E37-39	0	3.440097e-06	2.986891e-06	1.221938e-05	2.136733e-06
	E37-39	0	2.150314e-07	4.444971e-07	7.751693e-07	4.036569e-08
	E37-39	0	1.597155e-05	1.574506e-05	5.821132e-05	9.346228e-06
	E37-39	0	7.342497e-05	4.339091e-05	2.803422e-04	5.356581e-05
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	7.186637e-06	1.031493e-05	2.847901e-05	3.176001e-06
	E37-39	0	1.336371e-05	1.254529e-05	4.820144e-05	8.020890e-06
	E37-39	0	2.645272e-06	2.533816e-06	9.613123e-06	1.568798e-06
	E37-39	0	1.782211e-06	1.702054e-06	6.470537e-06	1.058573e-06
	E37-39	0	4.045182e-07	8.404829e-07	1.470345e-06	7.816387e-08
	E37-39	0	3.073651e-05	4.768813e-05	1.177743e-04	1.677377e-05
	E37-39	0	1.584775e-07	3.325984e-07	5.869879e-07	2.924141e-08
	E37-39	0	5.181819e-07	1.089203e-06	1.922704e-06	1.034249e-07
	R_S	0	2.061277e-05	4.262764e-05	7.410760e-05	4.218991e-06
	R_S	0	7.265562e-04	1.487922e-03	2.593785e-03	1.623063e-04
	R_S	0	1.634533e-03	3.690552e-03	6.933714e-03	2.789630e-04
	T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
PL	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	3.589910e-03	6.372862e-09	1.276532e-08	2.101869e-10
	A01	0	6.322206e-09	1.829400e-02	3.248261e-08	5.348413e-10
	A01	0	3.046988e-09	7.815485e-09	4.051070e-01	2.577669e-10

A01	0	1.207125e-09	3.096261e-09	6.202042e-09	1.613452e-03
A01	0	8.598036e-10	2.205385e-09	4.417551e-09	7.273703e-11
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	2.295717e-04	1.432161e-04	7.162677e-04	1.805835e-04
A01	0	1.802404e-09	4.623143e-09	9.260501e-09	1.524785e-10
A01	0	7.286749e-09	1.869042e-08	3.743830e-08	6.164390e-10
A01	0	3.894118e-09	9.988362e-09	2.000744e-08	3.294317e-10
A01	0	1.504728e-04	9.382972e-05	4.694482e-04	1.183784e-04
A01	0	8.135326e-05	5.072860e-05	2.538070e-04	6.400154e-05
A01	0	7.400044e-09	1.898102e-08	3.802040e-08	6.260235e-10
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0	9.298228e-05	8.204758e-05	3.051159e-04	6.443723e-05
A03	0	7.874713e-07	1.659056e-06	3.003077e-06	1.787402e-07
B_nongas	0	1.122716e-04	2.305044e-04	3.348120e-04	2.661106e-05
B_nongas	0	1.981373e-06	2.522961e-06	5.832248e-06	9.350285e-07
B_gas	0	3.406855e-06	3.988843e-06	7.186886e-06	1.854799e-06
B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	1.197504e-03	1.155540e-03	3.480177e-03	8.518648e-04
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	1.060192e-05	7.457826e-06	3.336458e-05	8.079867e-06
B_nongas	0	5.327120e-05	3.754378e-05	1.657423e-04	4.028594e-05
B_nongas	0	1.622636e-10	2.597111e-10	3.675454e-10	7.363892e-11
B_nongas	0	4.373008e-05	6.131733e-05	1.590566e-04	2.161698e-05
B_nongas	0	6.516256e-05	5.462160e-05	2.092039e-04	4.601012e-05
B_nongas	0	8.071659e-06	5.725289e-06	2.531293e-05	6.130208e-06
C10-12	0	5.226894e-05	3.130703e-05	1.607864e-04	4.163578e-05
C10-12	0	7.171729e-04	4.305837e-04	2.206323e-03	5.708607e-04
C10-12	0	1.822641e-04	1.091627e-04	5.606755e-04	1.451886e-04
C10-12	0	1.283326e-06	7.973111e-07	3.956317e-06	1.018793e-06
C10-12	0	2.504783e-05	1.578856e-05	7.728678e-05	1.965794e-05
C10-12	0	2.390098e-03	2.235873e-03	6.828720e-03	1.747040e-03
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	1.513100e-04	9.428149e-05	4.680145e-04	1.191419e-04
C10-12	0	2.249421e-03	1.888996e-03	6.584599e-03	1.683790e-03
C10-12	0	6.280200e-04	3.908882e-04	1.942373e-03	4.946758e-04
C10-12	0	1.630622e-03	1.014108e-03	5.042923e-03	1.284724e-03
C10-12	0	2.401512e-04	1.707430e-04	1.275837e-01	4.799087e-03
C13-15	0	4.323609e-03	8.419014e-03	1.779843e-02	1.378113e-03
C13-15	0	4.728771e-04	1.100184e-03	2.155614e-03	7.505686e-05
C13-15	0	6.793488e-03	1.618187e-02	3.148696e-02	9.555872e-04
C16	0	5.718735e-03	1.009181e-02	2.206313e-02	2.009652e-03
C16	0	2.357795e-03	4.195849e-03	9.107871e-03	8.154352e-04
C17	0	6.665467e-04	5.832172e-04	2.194967e-03	4.600325e-04

C17	0	1.657013e-04	1.293671e-04	5.406895e-04	1.212261e-04
C17	0	6.513076e-03	1.264152e-02	2.476896e-02	1.938580e-03
C18	0	1.082265e-03	2.335423e-03	4.381689e-03	2.179278e-04
C19	0	1.210364e-02	1.877752e-02	2.055411e-02	4.826946e-03
C19	0	6.346852e-02	9.141141e-02	9.037528e-02	2.718281e-02
C24	0	1.470881e-05	1.434078e-05	4.135818e-05	1.086407e-05
C20-21	0	5.987436e-04	1.323751e-03	2.320462e-03	1.006064e-04
C20-21	0	8.268544e-04	1.832296e-03	3.257160e-03	1.389953e-04
C20-21	0	5.384900e-04	1.792505e-03	5.569197e-04	1.607770e-04
C20-21	0	5.138781e-01	1.495886e-04	1.820907e+00	4.738482e-01
C20-21	0	9.747017e-02	3.011323e-01	9.387217e-02	2.853296e-02
C22	0	3.183843e-02	6.865001e-02	1.315152e-01	6.451517e-03
C23	0	5.489477e-03	1.109499e-02	2.106423e-02	1.298489e-03
C23	0	2.014585e-03	4.072484e-03	7.730732e-03	4.762431e-04
C23	0	5.802967e-04	7.171600e-04	2.004118e-03	3.183654e-04
C23	0	5.346999e-04	4.830387e-04	1.746825e-03	3.634836e-04
C23	0	2.696912e-03	3.216767e-03	8.121247e-03	1.708140e-03
C23	0	2.060491e-04	1.832567e-04	6.715024e-04	1.412075e-04
C23	0	1.399288e-03	2.426656e-03	5.242210e-03	4.933193e-04
C24	0	4.817476e-03	7.737692e-03	7.698217e-03	1.798152e-03
C24	0	3.881246e-03	6.227997e-03	6.406590e-03	1.470583e-03
C24	0	8.453568e-04	1.182606e-03	1.659096e-03	3.761472e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	7.704321e-04	1.087360e-03	1.489704e-03	3.382571e-04
C24	0	3.513750e-04	4.954091e-04	6.987025e-04	1.557034e-04
C24	0	5.841408e-04	8.749904e-04	1.097124e-03	2.342492e-04
C24	0	1.210952e-04	1.707339e-04	2.408151e-04	5.365973e-05
C24	0	7.338352e-04	1.024032e-03	1.434487e-03	3.275023e-04
C24	0	6.227455e-05	8.780178e-05	1.238419e-04	2.759511e-05
C24	0	8.135541e-07	1.141990e-06	1.628063e-06	3.626301e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.706639e-04	3.806672e-04	5.357146e-04	1.196902e-04
C25_33	0	1.982886e-02	4.247668e-02	7.642666e-02	3.671413e-03
C25	0	9.592650e-03	2.092994e-02	3.592497e-02	2.098456e-03
C26	0	1.916372e-04	4.224153e-04	7.807442e-04	3.540382e-05
C27	0	1.332327e-01	2.899933e-01	5.315165e-01	2.521891e-02
C27	0	1.161189e-03	2.512729e-03	4.622421e-03	2.256613e-04
C28_32	0	2.649787e-03	5.783576e-03	1.098848e-02	5.222105e-04
C29	0	1.375988e-02	3.016398e-02	5.539813e-02	2.571217e-03
C30	0	1.284676e-03	2.817195e-03	5.154175e-03	2.358850e-04
C31	0	5.606601e-02	1.293332e-01	2.478835e-01	8.992298e-03
E37-39	0	8.662642e-04	5.983380e-04	2.725754e-03	6.583761e-04
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	3.076185e-04	3.879199e-04	1.018534e-03	1.660869e-04
D35	0	8.626753e-06	1.102072e-05	2.871134e-05	4.633966e-06
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	4.742063e-06	6.058010e-06	1.578241e-05	2.547258e-06
D35	0	1.050881e-06	1.340709e-06	3.499093e-06	5.647646e-07

D35	0	5.618763e-06	7.177997e-06	1.870022e-05	3.018188e-06
D35	0	4.796917e-06	6.128114e-06	1.596499e-05	2.576712e-06
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	2.512627e-06	3.211308e-06	8.361906e-06	1.349293e-06
D35	0	8.480279e-05	1.081018e-04	2.803151e-04	4.533806e-05
D35	0	2.318605e-04	2.951580e-04	7.678399e-04	1.241885e-04
D35	0	2.503402e-04	3.179211e-04	8.293228e-04	1.342972e-04
D35	0	3.843108e-04	4.837966e-04	1.272311e-03	2.078151e-04
E36	0	2.590014e-05	5.843361e-05	5.977790e-05	4.789369e-06
F	0	1.084083e-02	2.362788e-02	3.911364e-02	2.371891e-03
F	0	1.450077e-06	3.215284e-06	5.066850e-06	3.150217e-07
G45	0	6.673651e-04	1.291102e-03	2.368005e-03	1.891410e-04
G47	0	2.717381e-04	5.120410e-04	9.511251e-04	8.161725e-05
G46	0	1.127528e-01	1.193420e-01	3.475370e-01	7.213456e-02
G47	0	3.729160e-02	6.858438e-02	1.296142e-01	1.431827e-02
I	0	1.106521e-03	2.236801e-03	4.055537e-03	2.859086e-04
H49	0	1.774462e-02	2.608892e-02	3.675390e-02	8.814111e-03
H49	0	6.246939e-02	9.477013e-02	1.373669e-01	2.980125e-02
H49	0	2.394742e-04	3.957441e-04	6.257623e-04	9.938934e-05
H50	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
H50	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
H51	0	1.126347e-03	2.337483e-03	4.186864e-03	2.662953e-04
H52	0	2.308342e-02	3.771861e-02	5.820410e-02	9.893823e-03
H53	0	1.315009e-03	2.750259e-03	4.924213e-03	2.982651e-04
K64	0	1.196005e-02	2.515299e-02	4.559523e-02	2.725184e-03
K65	0	7.248738e-03	1.470445e-02	2.564608e-02	1.694648e-03
K66	0	1.704577e-03	3.496550e-03	6.100588e-03	3.708233e-04
L68	0	3.879686e-04	7.809181e-04	1.388897e-03	1.003111e-04
M_N	0	5.602850e-03	1.161162e-02	2.026922e-02	1.151368e-03
J62_63	0	2.306484e-04	4.957802e-04	8.961716e-04	4.545376e-05
M_N	0	6.855385e-04	6.361137e-04	2.253215e-03	4.599413e-04
M_N	0	1.574037e-02	3.139256e-02	5.654110e-02	3.721721e-03
O84	0	2.540825e-06	5.566475e-06	1.029209e-05	4.908485e-07
P85	0	2.586511e-05	5.719962e-05	7.518733e-05	7.384791e-06
M_N	0	3.338059e-04	2.901354e-04	1.062749e-03	2.293998e-04
E37-39	0	1.104149e-07	2.199898e-07	3.794462e-07	2.855709e-08
E37-39	0	4.437179e-07	8.674382e-07	1.450119e-06	1.258322e-07
E37-39	0	7.898747e-07	1.561162e-06	2.641337e-06	2.178778e-07
E37-39	0	7.816242e-05	1.015418e-04	1.327761e-04	5.310360e-06
E37-39	0	1.917489e-08	3.689145e-08	6.479699e-08	5.579164e-09
E37-39	0	1.273485e-06	2.324516e-06	4.169425e-06	4.152588e-07
E37-39	0	1.930395e-06	3.516882e-06	9.319688e-06	6.317078e-07
E37-39	0	1.287454e-07	2.496137e-07	4.261960e-07	3.474454e-08
E37-39	0	2.448542e-08	4.892820e-08	8.730635e-08	4.564417e-09
E37-39	0	7.046307e-06	1.301753e-05	2.365841e-05	2.225517e-06

PT	E37-39	0	1.180157e-05	2.212465e-05	4.051283e-05	3.600834e-06
	E37-39	0	5.014969e-08	9.650579e-08	1.688233e-07	1.455945e-08
	E37-39	0	8.614100e-06	1.594945e-05	2.899076e-05	2.708671e-06
	E37-39	0	1.232483e-05	2.296388e-05	4.204763e-05	3.807581e-06
	E37-39	0	1.560017e-05	2.905518e-05	5.319513e-05	4.823691e-06
	E37-39	0	8.281621e-06	1.531077e-05	2.783524e-05	2.611395e-06
	E37-39	0	1.828867e-06	3.351114e-06	6.013177e-06	5.751126e-07
	E37-39	0	1.423508e-05	1.220340e-04	6.944843e-05	4.412509e-06
	E37-39	0	1.693340e-06	3.095744e-06	5.553383e-06	5.400308e-07
	E37-39	0	2.671230e-06	4.881761e-06	8.757100e-06	8.688805e-07
	R_S	0	6.133906e-05	1.086087e-04	2.053534e-04	2.165667e-05
	R_S	0	2.190832e-04	4.539118e-04	7.962998e-04	4.688774e-05
	R_S	0	1.731970e-04	3.789860e-04	7.030597e-04	3.161035e-05
	T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	1.622135e-09	3.659922e-09	6.888249e-09	2.821625e-10
	A01	0	5.670412e-10	1.293782e-09	2.447446e-09	9.351272e-11
	A01	0	1.272254e-08	2.843334e-08	5.321003e-08	2.287037e-09
	A01	0	3.642742e-08	8.373559e-08	9.827941e-02	5.849487e-09
	A01	0	1.020321e-08	2.272919e-08	4.245330e-08	1.854639e-09
	A01	0	1.440648e-09	3.206692e-09	5.988352e-09	2.631672e-10
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	1.518833e-06	3.169659e-06	5.544410e-06	3.083510e-07
	A01	0	5.649935e-09	1.295971e-08	2.460129e-08	9.160507e-10
	A01	0	1.037187e-08	2.372915e-08	4.497528e-08	1.697850e-09
	A01	0	6.109416e-09	1.403948e-08	2.668027e-08	9.837996e-10
	A01	0	1.834169e-06	3.794426e-06	6.677208e-06	3.992545e-07
	A01	0	5.832085e-07	1.178614e-06	2.033459e-06	1.342840e-07
	A01	0	1.284657e-08	2.930253e-08	5.541396e-08	2.118320e-09
	A01	0	7.102483e-11	1.647692e-10	3.149434e-10	1.105061e-11
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	8.510158e-07	1.822104e-06	3.530375e-06	1.639621e-07
	A03	0	4.868889e-07	9.691551e-07	1.651322e-06	1.171819e-07
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	6.022603e-07	1.358180e-06	1.850335e-06	1.475855e-07
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	1.281299e-10	2.870814e-10	4.601178e-10	2.698415e-11
	B_nongas	0	4.189256e-07	9.392909e-07	1.249725e-06	1.059772e-07
	B_nongas	0	3.097054e-07	6.999192e-07	9.137030e-07	7.835309e-08
	B_nongas	0	2.631893e-05	5.945477e-05	1.116397e-04	4.467297e-06
	B_nongas	0	3.525394e-06	7.604047e-06	1.361585e-05	6.424142e-07

B_nongas	0	3.393290e-05	7.499902e-05	1.394957e-04	6.359090e-06
C10-12	0	3.493778e-07	6.691004e-07	1.118989e-06	9.637083e-08
C10-12	0	2.088772e-06	4.315200e-06	7.492088e-06	4.257376e-07
C10-12	0	4.919168e-07	1.017472e-06	1.769392e-06	1.001665e-07
C10-12	0	3.974846e-07	7.574526e-07	1.263478e-06	1.116815e-07
C10-12	0	2.270617e-07	4.436937e-07	7.494908e-07	6.028353e-08
C10-12	0	1.199580e-06	2.503485e-06	4.305739e-06	2.405595e-07
C10-12	0	7.044344e-08	1.354154e-07	2.254346e-07	1.947735e-08
C10-12	0	6.215748e-08	1.272499e-07	2.227146e-07	1.370848e-08
C10-12	0	2.167818e-06	4.515883e-06	7.750578e-06	4.435307e-07
C10-12	0	7.413066e-07	1.542264e-06	2.647265e-06	1.500826e-07
C10-12	0	1.173092e-06	2.442719e-06	4.187014e-06	2.392580e-07
C10-12	0	4.933137e-06	3.768009e-06	2.522638e-03	9.489641e-05
C13-15	0	6.320749e-04	1.542088e-03	3.019599e-03	7.472873e-05
C13-15	0	4.960114e-05	1.254763e-04	2.522467e-04	4.678339e-06
C13-15	0	3.140250e-03	7.501347e-03	1.457680e-02	4.337531e-04
C16	0	4.595388e-04	1.024950e-03	1.896848e-03	7.755901e-05
C16	0	7.115608e-05	1.587488e-04	2.938512e-04	1.202048e-05
C17	0	9.968248e-07	2.119308e-06	3.772985e-06	1.977042e-07
C17	0	1.860294e-07	3.950721e-07	7.023461e-07	3.697413e-08
C17	0	3.337772e-04	7.221050e-04	1.328395e-03	6.833345e-05
C18	0	1.538321e-04	3.408597e-04	6.325698e-04	2.791032e-05
C19	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	0	8.308958e-05	1.601574e-04	7.598842e-05	1.776095e-05
C24	0	1.449113e-08	2.342882e-08	3.584832e-08	6.312788e-09
C20-21	0	5.755479e-05	1.259563e-04	2.303403e-04	1.042264e-05
C20-21	0	1.151813e-05	2.518362e-05	4.604548e-05	2.099226e-06
C20-21	0	3.771276e-07	8.097928e-07	1.465503e-06	7.481249e-08
C20-21	0	1.112977e-06	2.392417e-06	4.329551e-06	2.205830e-07
C20-21	0	4.608346e-06	1.008851e-05	1.843030e-05	8.418924e-07
C22	0	3.257604e-03	7.462023e-03	1.389829e-02	4.725882e-04
C23	0	9.320416e-05	2.025048e-04	3.647221e-04	1.645865e-05
C23	0	3.036824e-05	6.591142e-05	1.186752e-04	5.400617e-06
C23	0	3.464344e-05	7.612388e-05	1.378965e-04	5.868074e-06
C23	0	8.481630e-07	1.769160e-06	3.124399e-06	1.867450e-07
C23	0	6.671165e-06	1.440969e-05	2.579617e-05	1.241251e-06
C23	0	4.330374e-07	8.810526e-07	1.527968e-06	1.029937e-07
C23	0	1.958235e-04	4.329444e-04	7.871618e-04	3.227957e-05
C24	0	4.352514e-06	9.472433e-06	1.648633e-05	7.324004e-07
C24	0	6.551211e-06	1.426133e-05	2.484121e-05	1.098013e-06
C24	0	4.306996e-07	9.411393e-07	1.711206e-06	7.867147e-08
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.036737e-06	6.627188e-06	1.173322e-05	5.226728e-07
C24	0	2.523493e-06	5.517111e-06	9.674436e-06	4.217114e-07
C24	0	1.444299e-06	3.154383e-06	5.581263e-06	2.484992e-07
C24	0	1.124609e-06	2.455020e-06	4.391482e-06	1.976896e-07
C24	0	4.826946e-06	1.053816e-05	1.898419e-05	8.667556e-07
C24	0	2.007340e-08	4.405022e-08	7.755261e-08	3.601513e-09

C24	0	7.521739e-07	1.642133e-06	2.901660e-06	1.282575e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	7.623569e-06	1.663444e-05	2.958928e-05	1.327063e-06
C25_33	0	3.232870e-03	7.090809e-03	1.241037e-02	5.056912e-04
C25	0	9.258472e-04	2.157867e-03	3.616428e-03	1.724574e-04
C26	0	4.764896e-05	1.091967e-04	2.078270e-04	8.053486e-06
C27	0	2.701024e-02	5.881440e-02	1.077763e-01	5.103301e-03
C27	0	7.030898e-04	1.532708e-03	2.808687e-03	1.325429e-04
C28_32	0	5.721789e-04	1.336594e-03	2.560711e-03	8.774290e-05
C29	0	2.794188e-04	6.320757e-04	1.165729e-03	4.973508e-05
C30	0	2.652597e-04	5.827380e-04	1.073363e-03	4.894484e-05
C31	0	2.791886e-03	6.472237e-03	1.235291e-02	4.340397e-04
E37-39	0	9.794487e-08	2.166940e-07	3.975264e-07	1.683829e-08
E37-39	0	3.718942e-08	8.353642e-08	1.542155e-07	6.070128e-09
D35	0	4.050552e-06	8.814145e-06	1.596023e-05	7.783282e-07
D35	0	9.084615e-06	1.993775e-05	3.652532e-05	1.693622e-06
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	3.489070e-06	7.630403e-06	1.387946e-05	6.607871e-07
D35	0	3.438803e-06	7.485587e-06	1.365648e-05	6.539280e-07
D35	0	1.773978e-06	3.861835e-06	6.984938e-06	3.411179e-07
D35	0	8.029612e-07	1.742084e-06	3.158334e-06	1.548256e-07
D35	0	3.537404e-08	7.690173e-08	1.404314e-07	6.733939e-09
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	3.535521e-08	7.622078e-08	1.359962e-07	7.027305e-09
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	7.591686e-06	1.649190e-05	2.986171e-05	1.462973e-06
D35	0	3.043445e-05	6.632301e-05	1.201734e-04	5.790755e-06
D35	0	2.088534e-06	4.568354e-06	8.340048e-06	3.935148e-07
D35	0	3.830687e-09	8.344617e-09	1.517385e-08	7.228988e-10
E36	0	2.608710e-05	4.105665e-05	4.724821e-05	1.379515e-06
F	0	1.726751e-03	3.896073e-03	6.218388e-03	3.609354e-04
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	3.673682e-05	6.559775e-05	1.009201e-04	1.327746e-05
G47	0	1.814881e-05	3.159743e-05	5.026173e-05	6.669199e-06
G46	0	2.964729e-03	6.346769e-03	1.152325e-02	6.106867e-04
G47	0	1.740335e-04	3.607770e-04	6.312737e-04	3.653544e-05
I	0	5.613444e-04	1.182679e-03	2.129552e-03	1.260774e-04
H49	0	6.278653e-04	9.191639e-04	1.287438e-03	3.136128e-04
H49	0	3.764861e-03	5.695353e-03	8.229461e-03	1.803278e-03
H49	0	2.200757e-06	3.519596e-06	5.248892e-06	9.600180e-07
H50	0	1.909681e-05	2.809177e-05	3.948611e-05	9.469739e-06
H50	0	5.813338e-06	8.531960e-06	1.197055e-05	2.892176e-06
H51	0	8.723200e-04	1.902671e-03	3.494697e-03	1.658879e-04
H52	0	1.551475e-03	2.527762e-03	3.872167e-03	6.686173e-04
H53	0	2.898758e-04	6.204313e-04	1.116855e-03	5.814327e-05
K64	0	4.114148e-03	8.668267e-03	1.572595e-02	9.303661e-04
K65	0	5.348588e-05	1.085072e-04	1.892607e-04	1.250217e-05

K66	0	7.711793e-07	2.425690e-06	9.657316e-06	5.270821e-07
L68	0	5.825359e-05	1.272836e-04	1.981457e-04	1.340418e-05
M_N	0	1.853050e-04	3.836344e-04	6.688568e-04	3.805761e-05
J62_63	0	6.967656e-06	1.500273e-05	2.652707e-05	1.374234e-06
M_N	0	1.987401e-06	4.094826e-06	7.700413e-06	4.480097e-07
M_N	0	1.031987e-03	2.136655e-03	3.703540e-03	2.110036e-04
O84	0	6.244077e-05	1.244295e-04	2.035022e-04	1.593169e-05
P85	0	1.082432e-05	2.282011e-05	4.035866e-05	2.408336e-06
M_N	0	7.292639e-06	1.580581e-05	2.824589e-05	1.442870e-06
E37-39	0	2.694612e-07	5.961459e-07	8.948044e-07	6.304969e-08
E37-39	0	2.604218e-07	5.722874e-07	8.970284e-07	5.999639e-08
E37-39	0	4.137811e-07	8.883024e-07	1.603897e-06	9.021048e-08
E37-39	0	9.371520e-05	1.074645e-04	1.151022e-04	1.042681e-07
E37-39	0	6.945693e-08	1.516444e-07	2.472256e-07	1.580322e-08
E37-39	0	6.308492e-08	1.387207e-07	2.169453e-07	1.455751e-08
E37-39	0	1.169439e-07	2.596405e-07	5.869245e-06	2.750740e-08
E37-39	0	6.289945e-08	1.386001e-07	2.133147e-07	9.396790e-09
E37-39	0	9.578789e-09	2.104267e-08	3.299302e-08	1.285479e-09
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	8.350229e-07	1.795657e-06	3.213746e-06	1.826567e-07
E37-39	0	2.402994e-09	5.392650e-09	7.356771e-09	5.813564e-10
E37-39	0	1.540834e-07	3.428746e-07	4.977800e-07	3.640384e-08
E37-39	0	3.111678e-07	6.922820e-07	1.022160e-06	7.197025e-08
E37-39	0	6.601013e-07	1.477107e-06	2.063285e-06	1.581241e-07
E37-39	0	4.355786e-07	9.737853e-07	1.370439e-06	1.040173e-07
E37-39	0	8.308643e-08	1.833431e-07	2.770794e-07	1.354338e-08
E37-39	0	4.456744e-07	2.810663e-05	7.326185e-06	1.069957e-07
E37-39	0	1.006250e-07	2.236135e-07	3.253533e-07	1.967925e-08
E37-39	0	1.284629e-07	2.851884e-07	4.187343e-07	3.031660e-08
R_S	0	1.222515e-05	2.600940e-05	4.602602e-05	2.437894e-06
R_S	0	3.866892e-05	8.209273e-05	1.479287e-04	8.616096e-06
R_S	0	4.295381e-05	9.308805e-05	1.701287e-04	8.187837e-06
T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
RO	A01	0	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	1.099903e-02	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	1.066919e-01	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	1.477627e-01
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	2.541162e-03
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00

A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0	0.000000e+00	0.000000e+00	3.781865e-06	0.000000e+00
A03	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	2.867292e-05	6.521410e-05	1.231664e-04	4.781871e-06
B_nongas	0	5.624787e-06	1.279884e-05	2.417842e-05	9.364393e-07
B_nongas	0	3.333275e-05	7.367819e-05	1.370505e-04	6.246093e-06
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	5.526630e-05	3.800460e-05	2.989145e-02	1.124233e-03
C13-15	0	2.217140e-03	5.446931e-03	1.070986e-02	2.553463e-04
C13-15	0	2.644917e-05	6.784635e-05	1.359053e-04	2.236072e-06
C13-15	0	2.901733e-02	6.933372e-02	1.347615e-01	4.005787e-03
C16	0	4.123390e-03	9.190968e-03	1.700679e-02	6.991785e-04
C16	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	1.960544e-03	4.241977e-03	7.806850e-03	4.018318e-04
C18	0	1.127737e-05	2.539763e-05	4.762334e-05	1.926668e-06
C19	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	0	5.404635e-02	1.078138e-01	3.271190e-02	8.840099e-03
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	6.514641e-08	2.456337e-07	7.861752e-08	0.000000e+00
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	7.898144e-02	0.000000e+00	2.798650e-01	7.283682e-02

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D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
F	0	2.542753e-03	5.876514e-03	7.432527e-03	6.313994e-04
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	5.064646e-06	8.118925e-06	1.218132e-05	2.142703e-06
G47	0	8.009093e-06	1.463236e-05	2.404768e-05	2.591475e-06
G46	0	2.628898e-04	3.959580e-04	5.653691e-04	1.229316e-04
G47	0	4.322799e-06	6.369633e-06	8.902817e-06	2.077740e-06
I	0	5.233854e-04	1.101432e-03	1.994722e-03	1.175686e-04
H49	0	2.238804e-02	3.268572e-02	4.568553e-02	1.122412e-02
H49	0	5.094991e-02	7.701044e-02	1.112115e-01	2.443431e-02
H49	0	6.334388e-05	9.230790e-05	1.287869e-04	3.182970e-05
H50	0	4.190024e-04	6.105913e-04	8.518898e-04	2.105447e-04
H50	0	3.250926e-04	4.737413e-04	6.609583e-04	1.633559e-04
H51	0	2.306339e-04	4.433598e-04	7.653820e-04	7.103444e-05
H52	0	1.583049e-02	2.566241e-02	3.935088e-02	6.868047e-03
H53	0	6.826794e-04	1.424300e-03	2.536547e-03	1.462856e-04
K64	0	2.157462e-02	4.545656e-02	8.246769e-02	4.878906e-03
K65	0	1.121059e-03	2.274125e-03	3.966303e-03	2.620873e-04
K66	0	5.100538e-06	1.610163e-05	6.424153e-05	3.493763e-06
L68	0	1.963592e-04	4.109548e-04	7.369070e-04	4.278919e-05
M_N	0	1.010643e-03	2.091686e-03	3.645995e-03	2.076669e-04
J62_63	0	1.522785e-05	3.215388e-05	5.849747e-05	3.486348e-06
M_N	0	1.333541e-06	2.812928e-06	5.111162e-06	3.035386e-07
M_N	0	2.902983e-02	6.001210e-02	1.042354e-01	5.929701e-03
O84	0	6.519315e-07	1.376262e-06	2.503180e-06	1.490689e-07
P85	0	9.622381e-07	2.029819e-06	3.688477e-06	2.190875e-07
M_N	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	5.239151e-08	1.121345e-07	2.054743e-07	1.136374e-08
E37-39	0	7.773422e-08	1.663965e-07	3.049247e-07	1.685329e-08
E37-39	0	1.474730e-07	3.157432e-07	5.786727e-07	3.194995e-08
E37-39	0	1.761804e-04	2.011310e-04	2.148626e-04	0.000000e+00
E37-39	0	8.885152e-09	1.900585e-08	3.481455e-08	1.931180e-09
E37-39	0	1.073379e-08	2.297209e-08	4.209215e-08	2.328749e-09
E37-39	0	4.598731e-08	9.843781e-08	1.003723e-05	9.971006e-09
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	1.387389e-06	2.970703e-06	5.444783e-06	3.004809e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	1.570394e-07	3.359595e-07	6.154489e-07	3.411700e-08
E37-39	0	1.263688e-07	2.705823e-07	4.959291e-07	2.736938e-08
E37-39	0	5.641746e-08	1.202773e-07	2.199045e-07	1.240558e-08
E37-39	0	5.208324e-08	1.112636e-07	2.036598e-07	1.137200e-08
E37-39	0	5.743416e-08	1.223036e-07	2.234625e-07	0.000000e+00
E37-39	0	0.000000e+00	3.089701e-05	6.779777e-06	0.000000e+00
E37-39	0	4.389942e-08	9.355842e-08	1.710213e-07	0.000000e+00
E37-39	0	5.397210e-08	1.152572e-07	2.109269e-07	1.179915e-08

	R_S	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
SE	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	4.491723e-05	3.306907e-06	5.743921e-06	3.267653e-07
	A01	0	1.273526e-06	3.323687e-05	4.572910e-06	2.601477e-07
	A01	0	2.176141e-07	4.498699e-07	1.283417e-02	4.445359e-08
	A01	0	1.131595e-07	2.339312e-07	4.063230e-07	3.615120e-05
	A01	0	2.435959e-07	5.035808e-07	8.746951e-07	4.976055e-08
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	1.491326e-04	1.795683e-04	8.386433e-05	5.237444e-05
	A01	0	7.117367e-07	1.471361e-06	2.555694e-06	1.453916e-07
	A01	0	1.794229e-06	3.709155e-06	6.442549e-06	3.665065e-07
	A01	0	2.991466e-07	6.184248e-07	1.074194e-06	6.111111e-08
	A01	0	4.900636e-05	6.709536e-05	8.111595e-05	2.985371e-06
	A01	0	2.937701e-05	3.941134e-05	4.641979e-05	1.756515e-06
	A01	0	3.187065e-06	6.588551e-06	1.144398e-05	6.510365e-07
	A01	0	1.138953e-08	2.354541e-08	4.089756e-08	2.326640e-09
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	2.245827e-05	4.980043e-05	9.180630e-05	3.866509e-06
	A03	0	6.422937e-08	1.329328e-07	2.317137e-07	1.319785e-08
	B_nongas	0	1.171068e-03	1.363154e-03	4.775057e-04	4.001500e-04
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0	5.657618e-06	1.169578e-05	2.031461e-05	1.155656e-06
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	3.057729e-07	5.335089e-07	5.875432e-07	5.546821e-08
	B_nongas	0	4.735289e-05	7.570689e-05	1.080693e-04	6.727508e-06
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	5.881822e-07	9.852114e-07	1.488945e-06	1.369069e-07
	B_nongas	0	3.919074e-06	6.340494e-06	8.350122e-06	7.033809e-07
	B_nongas	0	5.131564e-13	1.023468e-12	3.270270e-13	8.396867e-14
	B_nongas	0	1.967816e-05	4.439903e-05	8.271733e-05	3.286737e-06
	B_nongas	0	2.426099e-06	4.788048e-06	1.937770e-06	4.003704e-07
	B_nongas	0	1.720342e-05	3.778534e-05	6.671549e-05	3.197114e-06
	C10-12	0	2.751153e-06	4.368590e-06	6.506483e-06	1.189147e-06
	C10-12	0	1.651727e-06	2.855970e-06	4.524371e-06	6.097535e-07
	C10-12	0	1.538210e-06	2.455937e-06	3.674815e-06	6.603808e-07
	C10-12	0	1.991075e-07	3.351326e-07	5.234375e-07	7.857385e-08
	C10-12	0	2.583433e-06	3.832985e-06	5.427051e-06	1.261830e-06
	C10-12	0	1.272844e-05	2.165632e-05	3.392271e-05	4.893677e-06
	C10-12	0	2.551815e-10	5.856063e-10	1.111476e-09	4.121044e-11
	C10-12	0	1.882524e-06	2.978770e-06	4.426025e-06	8.190881e-07
	C10-12	0	1.703620e-05	2.830963e-05	4.364715e-05	6.869731e-06

C10-12	0	4.244962e-06	7.061307e-06	1.088742e-05	1.702999e-06
C10-12	0	1.142348e-05	1.850076e-05	2.801764e-05	4.840660e-06
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	0	2.825194e-04	6.908532e-04	1.354850e-03	3.366441e-05
C13-15	0	1.138605e-05	2.599681e-05	4.943096e-05	2.051322e-06
C13-15	0	9.103195e-05	2.167506e-04	4.199401e-04	1.264309e-05
C16	0	1.306348e-03	2.793212e-03	4.885636e-03	2.086278e-04
C16	0	1.522581e-05	2.808271e-05	4.164352e-05	3.226621e-06
C17	0	1.906085e-05	3.868457e-05	6.553347e-05	4.392185e-06
C17	0	3.924944e-06	7.952228e-06	1.355838e-05	9.124957e-07
C17	0	1.054446e-02	2.281117e-02	4.197270e-02	2.161623e-03
C18	0	8.737671e-05	1.835996e-04	3.266949e-04	1.834430e-05
C19	0	1.177178e-06	2.025927e-06	3.206638e-06	4.433742e-07
C19	0	1.661533e-02	3.321339e-02	9.385183e-03	2.697837e-03
C24	0	2.690046e-06	4.519511e-06	7.025676e-06	1.058084e-06
C20-21	0	1.776075e-04	3.617487e-04	5.955118e-04	3.884490e-05
C20-21	0	3.466336e-04	7.199443e-04	1.186698e-03	6.919538e-05
C20-21	0	2.878303e-08	6.371104e-08	1.174375e-07	5.043741e-09
C20-21	0	3.309744e-08	6.623812e-08	7.918862e-08	6.972939e-09
C20-21	0	2.072157e-06	4.150449e-06	6.739283e-06	4.855801e-07
C22	0	3.799459e-03	8.694757e-03	1.616293e-02	5.567140e-04
C23	0	2.345359e-04	5.077367e-04	9.110533e-04	4.223140e-05
C23	0	1.288199e-04	2.789123e-04	5.005286e-04	2.317955e-05
C23	0	1.942752e-05	3.790587e-05	6.030546e-05	5.421519e-06
C23	0	1.218853e-06	2.412144e-06	3.911482e-06	3.378174e-07
C23	0	6.707796e-05	1.264935e-04	1.801317e-04	2.065942e-05
C23	0	2.490600e-06	4.478365e-06	6.395257e-06	8.652101e-07
C23	0	4.743096e-04	1.045929e-03	1.896702e-03	7.938297e-05
C24	0	5.894554e-05	1.285225e-04	2.039073e-04	1.036458e-05
C24	0	2.307779e-05	4.967921e-05	7.791473e-05	3.894024e-06
C24	0	1.689202e-06	3.680797e-06	5.702317e-06	2.842688e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.808284e-05	3.935026e-05	5.967440e-05	2.916263e-06
C24	0	4.297424e-06	9.077235e-06	1.463101e-05	7.399583e-07
C24	0	9.079239e-06	2.118049e-05	3.064827e-05	1.496865e-06
C24	0	5.309756e-06	1.124051e-05	1.666735e-05	7.885177e-07
C24	0	1.928147e-04	4.379661e-04	7.322015e-04	3.145935e-05
C24	0	2.048051e-08	4.264790e-08	6.537969e-08	3.123624e-09
C24	0	1.295799e-06	2.738083e-06	4.447965e-06	2.261627e-07
C24	0	4.265931e-08	9.595692e-08	1.713842e-07	6.614110e-09
C24	0	1.126261e-05	2.465526e-05	3.643801e-05	1.747899e-06
C25_33	0	1.553125e-03	3.416521e-03	5.865950e-03	2.371511e-04
C25	0	2.733760e-03	6.511213e-03	9.167052e-03	6.120301e-04
C26	0	8.534648e-05	1.882732e-04	3.464113e-04	1.602004e-05
C27	0	1.469043e-02	3.198902e-02	5.861032e-02	2.776726e-03
C27	0	5.028151e-05	1.136138e-04	2.024874e-04	9.874726e-06
C28_32	0	1.605929e-03	3.769426e-03	7.241973e-03	2.417041e-04
C29	0	5.256081e-04	1.076633e-03	1.794711e-03	1.364097e-04

C30	0	7.046356e-04	1.618898e-03	3.061079e-03	1.134283e-04
C31	0	5.335414e-03	1.235699e-02	2.359078e-02	8.356617e-04
E37-39	0	2.041775e-05	2.582826e-05	2.766190e-05	2.096800e-07
E37-39	0	1.037093e-05	1.923124e-05	3.164040e-05	3.169936e-06
D35	0	1.524919e-06	2.856079e-06	4.763300e-06	4.298839e-08
D35	0	4.732894e-07	6.171338e-07	6.859204e-07	7.393997e-09
D35	0	1.188075e-04	1.550863e-04	1.726585e-04	1.899004e-06
D35	0	1.105316e-04	1.447253e-04	1.612776e-04	1.868700e-06
D35	0	2.357625e-06	3.077337e-06	3.425942e-06	3.763679e-08
D35	0	8.468253e-07	1.105330e-06	1.230541e-06	1.351753e-08
D35	0	8.461060e-06	1.104418e-05	1.229555e-05	1.350852e-07
D35	0	1.048221e-09	2.553091e-09	3.303604e-09	2.473811e-10
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	7.241603e-07	1.159730e-06	1.672632e-06	4.723039e-08
D35	0	6.901402e-05	9.008158e-05	1.002862e-04	1.101583e-06
D35	0	2.398283e-04	3.131736e-04	3.486391e-04	3.872832e-06
D35	0	6.907523e-06	9.013837e-06	1.003072e-05	1.097073e-07
D35	0	9.816591e-04	1.200031e-03	1.308398e-03	7.485898e-06
E36	0	8.083786e-04	9.564514e-04	1.011955e-03	5.969280e-07
F	0	1.216214e-03	2.725682e-03	3.772927e-03	2.758587e-04
F	0	4.092707e-06	9.044529e-06	1.219219e-05	9.426361e-07
G45	0	4.721336e-04	9.480304e-04	1.635344e-03	1.139625e-04
G47	0	2.159546e-04	4.062543e-04	6.781107e-04	6.438991e-05
G46	0	5.619877e-03	9.702205e-03	1.541221e-02	2.118102e-03
G47	0	3.956730e-04	7.473283e-04	1.245563e-03	1.164166e-04
I	0	8.516949e-04	1.788181e-03	3.230961e-03	1.919400e-04
H49	0	4.858206e-03	7.109823e-03	9.957134e-03	2.419210e-03
H49	0	1.210580e-02	1.834560e-02	2.654131e-02	5.752557e-03
H49	0	5.495831e-05	8.809107e-05	1.319611e-04	2.000111e-05
H50	0	5.386473e-04	9.118424e-04	1.422243e-03	2.095097e-04
H50	0	4.804006e-05	7.313144e-05	1.057560e-04	2.264134e-05
H51	0	3.280879e-04	6.387450e-04	1.104039e-03	9.533167e-05
H52	0	1.127911e-02	1.678714e-02	2.254180e-02	2.806500e-03
H53	0	1.560663e-03	3.178294e-03	5.577539e-03	3.668540e-04
K64	0	1.496973e-03	3.153854e-03	5.721007e-03	3.384231e-04
K65	0	1.287326e-03	2.611624e-03	4.554963e-03	3.008215e-04
K66	0	3.937555e-06	8.979798e-06	2.106624e-05	1.175494e-06
L68	0	3.103827e-05	6.498225e-05	1.152083e-04	6.783020e-06
M_N	0	1.121730e-03	2.310876e-03	4.016584e-03	2.359890e-04
J62_63	0	1.594576e-04	3.324601e-04	5.882100e-04	3.417190e-05
M_N	0	2.752461e-05	5.681071e-05	9.484065e-05	7.112086e-06
M_N	0	1.194097e-02	2.465095e-02	4.278022e-02	2.459763e-03
O84	0	9.137737e-05	1.894595e-04	3.317437e-04	1.899141e-05
P85	0	6.824493e-05	1.377743e-04	2.382026e-04	1.603051e-05
M_N	0	9.686381e-05	2.097866e-04	3.837547e-04	1.959739e-05
E37-39	0	1.829647e-05	3.914584e-05	7.169986e-05	3.968589e-06

	E37-39	0	2.111188e-05	4.518095e-05	8.277209e-05	4.577263e-06
	E37-39	0	3.128652e-05	6.698225e-05	1.227543e-04	6.778234e-06
	E37-39	0	2.237355e-02	2.554220e-02	2.728621e-02	2.945411e-08
	E37-39	0	8.626119e-06	1.844953e-05	3.379074e-05	1.874881e-06
	E37-39	0	9.842972e-06	2.105683e-05	3.856420e-05	2.135523e-06
	E37-39	0	3.211082e-06	6.863729e-06	6.792356e-04	6.962890e-07
	E37-39	0	7.455904e-07	1.580106e-06	2.877537e-06	1.576131e-08
	E37-39	0	1.020619e-07	2.181479e-07	3.993274e-07	2.012419e-10
	E37-39	0	2.461097e-06	5.258291e-06	9.616492e-06	5.341395e-07
	E37-39	0	2.842118e-05	6.084642e-05	1.115007e-04	6.155546e-06
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	2.263574e-06	4.837878e-06	8.852635e-06	4.917721e-07
	E37-39	0	2.093333e-06	4.473489e-06	8.180576e-06	4.534556e-07
	E37-39	0	1.714335e-07	3.645191e-07	6.643074e-07	3.766920e-08
	E37-39	0	1.444556e-06	3.081662e-06	5.631439e-06	3.153651e-07
	E37-39	0	1.302040e-06	2.667214e-06	4.755315e-06	1.141376e-07
	E37-39	0	1.179492e-07	2.048377e-03	4.498431e-04	2.564360e-08
	E37-39	0	4.372117e-08	9.305094e-08	1.698160e-07	3.775288e-10
	E37-39	0	5.499342e-08	1.172607e-07	2.142182e-07	1.202446e-08
	R_S	0	6.456386e-06	1.193496e-05	1.978713e-05	2.053564e-06
	R_S	0	1.918946e-04	3.663791e-04	6.233438e-04	5.790796e-05
	R_S	0	1.356054e-05	2.712303e-05	4.746315e-05	3.572587e-06
	T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
SI	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	1.926173e-02	3.095633e-07	5.403443e-07	3.076297e-08
	A01	0	5.350072e-07	2.711435e-02	1.926585e-06	1.096079e-07
	A01	0	1.200849e-06	2.477984e-06	2.143051e-01	2.454852e-07
	A01	0	2.607983e-08	5.405918e-08	9.458940e-08	1.378278e-03
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	1.175827e-05	2.367207e-05	4.064439e-05	2.714581e-06
	A01	0	5.540878e-07	1.143401e-06	1.992864e-06	1.132834e-07
	A01	0	7.965625e-07	1.644572e-06	2.869160e-06	1.632607e-07
	A01	0	5.393680e-07	1.113515e-06	1.942467e-06	1.105185e-07
	A01	0	3.714055e-06	7.468039e-06	1.282799e-05	8.663588e-07
	A01	0	3.948483e-06	7.937583e-06	1.362977e-05	9.208089e-07
	A01	0	1.359203e-06	2.807386e-06	4.901969e-06	2.791745e-07
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	1.061885e-04	2.320636e-04	6.445410e-04	1.965315e-05
	A03	0	1.535106e-06	2.983362e-06	4.040551e-06	5.338867e-07
	B_nongas	0	2.152841e-04	9.964926e-05	6.922792e-04	1.789749e-04
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0	8.805221e-07	7.691775e-07	2.552290e-06	6.741330e-07
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	6.595620e-05	1.443346e-04	2.527960e-04	1.515869e-05
B_nongas	0	6.515638e-05	9.538679e-05	2.534022e-04	2.931584e-05
B_nongas	0	4.669123e-07	1.429169e-06	5.833639e-07	1.623616e-07
C10-12	0	2.827004e-05	5.807139e-05	6.286549e-05	1.366662e-05
C10-12	0	6.548607e-06	1.346010e-05	1.665481e-05	2.773055e-06
C10-12	0	1.371882e-05	4.130658e-05	1.951247e-05	4.453368e-06
C10-12	0	2.065004e-05	6.889572e-05	2.189008e-05	6.048325e-06
C10-12	0	1.010218e-07	2.556120e-07	2.355220e-07	2.874281e-08
C10-12	0	2.891707e-05	5.890674e-05	8.145362e-05	1.058687e-05
C10-12	0	1.060093e-10	1.716609e-10	2.783308e-10	4.471997e-11
C10-12	0	1.050859e-06	2.098124e-06	2.647196e-06	4.464665e-07
C10-12	0	3.022579e-05	6.142413e-05	8.312107e-05	1.146461e-05
C10-12	0	1.401994e-05	2.846575e-05	3.776039e-05	5.469096e-06
C10-12	0	3.130700e-05	6.746273e-05	8.289258e-05	1.143559e-05
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	0	3.236387e-03	7.659815e-03	1.273419e-02	7.634321e-04
C13-15	0	7.283530e-05	1.798123e-04	3.541265e-04	2.625904e-05
C13-15	0	1.780811e-03	4.244667e-03	8.234044e-03	2.472731e-04
C16	0	5.297827e-03	1.181806e-02	2.180063e-02	8.830402e-04
C16	0	6.011017e-04	1.340270e-03	2.473335e-03	1.009442e-04
C17	0	9.787456e-06	2.222189e-05	4.128685e-05	1.511048e-06
C17	0	8.587803e-05	1.961068e-04	3.649785e-04	1.274801e-05
C17	0	2.692278e-04	6.717429e-04	8.541946e-04	6.122929e-05
C18	0	2.954014e-04	6.275180e-04	1.129517e-03	6.124371e-05
C19	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.273825e-03	2.557542e-03	2.607980e-03	6.918004e-04
C20-21	0	5.167812e-06	1.122761e-05	2.037348e-05	9.729727e-07
C20-21	0	2.054283e-05	4.610583e-05	8.428133e-05	3.282418e-06
C20-21	0	1.535853e-04	5.130675e-04	1.546060e-04	4.603903e-05
C20-21	0	9.151332e-02	1.007106e-05	3.242727e-01	8.439034e-02
C20-21	0	8.948484e-02	3.007055e-01	9.183296e-02	2.612025e-02
C22	0	1.516773e-02	3.472567e-02	6.464967e-02	2.214615e-03
C23	0	3.922732e-05	8.379686e-05	1.241147e-04	1.233102e-05
C23	0	8.524585e-05	1.820684e-04	2.697774e-04	2.679690e-05
C23	0	1.734038e-04	3.639730e-04	4.081931e-04	8.046446e-05
C23	0	5.581964e-04	1.409230e-03	9.871193e-04	2.389108e-04
C23	0	2.979515e-03	7.622673e-03	5.615704e-03	1.199386e-03
C23	0	7.379965e-04	1.915870e-03	1.251646e-03	3.083396e-04
C23	0	2.472462e-03	5.403582e-03	7.839938e-03	7.630868e-04
C24	0	8.051851e-05	1.962505e-04	2.512815e-04	1.583462e-05

C24	0	5.491968e-04	1.188276e-03	2.063802e-03	8.889087e-05
C24	0	9.314362e-07	1.943756e-06	3.498179e-06	1.893162e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.286056e-03	7.052330e-03	3.667269e-03	6.172110e-04
C24	0	3.283696e-05	7.107193e-05	1.239839e-04	5.476892e-06
C24	0	2.294711e-05	5.342833e-05	7.730163e-05	4.250647e-06
C24	0	3.220961e-05	7.066713e-05	1.199560e-04	5.198548e-06
C24	0	8.266762e-05	1.769304e-04	3.104572e-04	1.433619e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.755001e-05	1.026545e-04	9.118917e-05	8.659869e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	4.522387e-04	9.859589e-04	1.697391e-03	6.970576e-05
C25_33	0	1.424611e-02	3.124218e-02	5.355869e-02	2.155385e-03
C25	0	4.853320e-03	1.128365e-02	1.694641e-02	9.782732e-04
C26	0	1.868370e-04	4.175914e-04	7.785549e-04	3.343560e-05
C27	0	3.038078e-02	6.619322e-02	1.209751e-01	5.722336e-03
C27	0	1.044077e-03	2.278547e-03	4.145320e-03	1.986640e-04
C28_32	0	9.891333e-04	2.258322e-03	3.939871e-03	1.825459e-04
C29	0	6.517479e-03	1.422386e-02	2.593305e-02	1.219463e-03
C30	0	3.457402e-04	7.612190e-04	1.319418e-03	5.089872e-05
C31	0	1.869258e-02	4.324120e-02	8.238074e-02	2.917526e-03
E37-39	0	3.002123e-06	5.669886e-06	9.497838e-06	9.020914e-07
E37-39	0	4.710728e-06	8.942254e-06	1.488669e-05	1.341657e-06
D35	0	1.328115e-04	2.756718e-04	4.728585e-04	2.747455e-05
D35	0	8.733901e-06	1.810483e-05	3.103992e-05	1.818698e-06
D35	0	9.877170e-05	2.047683e-04	3.510782e-04	2.055700e-05
D35	0	5.731372e-05	1.188315e-04	2.037456e-04	1.192256e-05
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	5.655118e-07	1.173484e-06	2.012947e-06	1.172164e-07
D35	0	5.598847e-06	1.161543e-05	1.992039e-05	1.161228e-06
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	3.730007e-05	7.741234e-05	1.325977e-04	7.746611e-06
D35	0	4.188260e-04	8.668250e-04	1.497956e-03	8.623436e-05
D35	0	2.720520e-05	5.654081e-05	9.648775e-05	5.665213e-06
D35	0	1.819305e-04	3.774825e-04	6.474377e-04	3.771443e-05
E36	0	7.079366e-05	1.155692e-04	1.487727e-04	6.942082e-06
F	0	6.451967e-03	1.467053e-02	2.051785e-02	1.461111e-03
F	0	4.634733e-06	1.061641e-05	1.400523e-05	1.116394e-06
G45	0	4.230064e-04	7.262875e-04	1.144479e-03	1.600043e-04
G47	0	2.109657e-04	3.664573e-04	5.826616e-04	7.792262e-05
G46	0	4.756841e-03	1.111116e-02	1.242302e-02	1.544001e-03
G47	0	2.112231e-03	4.715169e-03	7.073160e-03	5.218691e-04
I	0	2.493421e-03	5.225152e-03	9.615310e-03	5.572871e-04
H49	0	1.889760e-02	2.766595e-02	3.875904e-02	9.440415e-03

H49	0	3.452597e-02	5.237470e-02	7.585567e-02	1.647391e-02
H49	0	6.030729e-05	9.729812e-05	1.468999e-04	2.612685e-05
H50	0	2.638483e-03	3.862147e-03	5.411948e-03	1.318590e-03
H50	0	1.021086e-05	1.492394e-05	2.088201e-05	5.112306e-06
H51	0	4.744909e-04	9.954630e-04	1.778147e-03	1.024303e-04
H52	0	1.964356e-02	3.123921e-02	4.713449e-02	8.774191e-03
H53	0	1.991461e-03	4.134802e-03	7.346472e-03	4.357643e-04
K64	0	3.537343e-03	7.470828e-03	1.356184e-02	7.914774e-04
K65	0	3.583553e-04	7.269447e-04	1.267870e-03	8.377814e-05
K66	0	2.210742e-05	4.879960e-05	1.048886e-04	6.159914e-06
L68	0	8.065843e-04	1.660139e-03	2.947338e-03	1.957433e-04
M_N	0	1.129210e-03	2.249712e-03	3.853490e-03	2.770399e-04
J62_63	0	6.878881e-05	1.488704e-04	2.673109e-04	1.352463e-05
M_N	0	8.446356e-05	1.791259e-04	3.149447e-04	1.659692e-05
M_N	0	1.065279e-02	2.202663e-02	3.819860e-02	2.214089e-03
O84	0	4.604026e-05	9.598091e-05	1.716373e-04	1.032139e-05
P85	0	1.209626e-04	2.483221e-04	4.353761e-04	2.754480e-05
M_N	0	1.609688e-04	3.517434e-04	3.849668e-04	6.797971e-05
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	9.367063e-10	2.028977e-09	3.493300e-09	2.090060e-10
E37-39	0	1.497603e-07	3.258605e-07	5.556270e-07	3.346688e-08
E37-39	0	8.609013e-05	1.107584e-04	1.330069e-04	2.880837e-06
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	5.638078e-08	1.244214e-07	1.831463e-07	1.306798e-08
E37-39	0	1.298557e-06	2.745092e-06	9.198818e-06	2.868510e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	5.461509e-07	1.156123e-06	1.862903e-06	1.202675e-07
E37-39	0	1.446597e-06	3.064667e-06	5.236466e-06	3.218987e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	2.261170e-06	4.794873e-06	7.731434e-06	4.950345e-07
E37-39	0	3.606763e-06	7.648707e-06	1.232562e-05	7.893213e-07
E37-39	0	7.174240e-06	1.516513e-05	2.440087e-05	1.590644e-06
E37-39	0	5.045106e-06	1.066402e-05	1.716196e-05	1.118808e-06
E37-39	0	5.342989e-07	1.135331e-06	1.833734e-06	1.132001e-07
E37-39	0	8.118512e-06	2.828812e-05	2.961262e-05	1.915205e-06
E37-39	0	1.024382e-06	2.168808e-06	3.494841e-06	2.233863e-07
E37-39	0	1.363450e-06	2.887082e-06	4.652727e-06	3.002468e-07
R_S	0	7.861523e-06	1.656889e-05	2.960861e-05	1.632193e-06
R_S	0	2.205855e-04	4.488601e-04	7.801628e-04	5.075917e-05
R_S	0	1.477160e-05	3.024112e-05	5.325207e-05	3.241526e-06
T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
SK A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	3.156233e-01	1.199458e-09	2.136127e-09	1.231931e-10
A01	0	1.714502e-09	1.231256e-01	6.370361e-09	3.673864e-10
A01	0	1.303083e-09	2.718672e-09	1.638684e-01	2.792271e-10
A01	0	9.234449e-11	1.926619e-10	3.431134e-10	2.514289e-02

A01	0	1.378498e-03	1.633172e-03	2.287544e-03	6.498386e-04
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	6.192262e-04	1.240185e-03	4.278365e-04	1.010885e-04
A01	0	3.888443e-10	8.112612e-10	1.444784e-09	8.332266e-11
A01	0	1.919352e-09	4.004417e-09	7.131505e-09	4.112829e-10
A01	0	1.455971e-09	3.037650e-09	5.409782e-09	3.119892e-10
A01	0	6.304838e-05	1.223705e-04	7.926186e-05	1.355404e-05
A01	0	4.389499e-05	8.551204e-05	6.323075e-05	1.011582e-05
A01	0	4.010510e-09	8.367282e-09	1.490137e-08	8.593810e-10
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0	3.743307e-05	7.186971e-05	1.854991e-04	1.231995e-05
A03	0	2.973544e-07	4.463790e-07	6.400345e-07	1.434541e-07
B_nongas	0	4.354702e-05	8.022254e-05	1.230424e-04	1.537121e-05
B_nongas	0	3.418186e-09	5.251768e-09	7.638349e-09	1.557267e-09
B_gas	0	1.620713e-08	2.444348e-08	3.494582e-08	7.565706e-09
B_gas	0	1.011454e-08	1.523425e-08	2.175225e-08	4.729721e-09
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	2.134349e-07	3.573804e-07	5.046916e-07	9.131472e-08
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	1.635794e-07	2.739069e-07	3.868208e-07	6.998231e-08
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	5.467078e-05	1.214911e-04	2.214452e-04	1.073115e-05
B_nongas	0	4.791520e-05	1.016287e-04	1.712625e-04	1.215314e-05
B_nongas	0	6.167918e-04	1.362490e-03	2.525370e-03	1.165968e-04
C10-12	0	5.862260e-06	1.038985e-05	1.629761e-05	2.113253e-06
C10-12	0	2.187512e-05	3.908734e-05	6.152213e-05	7.753676e-06
C10-12	0	1.335741e-05	2.405335e-05	3.725354e-05	4.633332e-06
C10-12	0	1.373916e-06	2.573122e-06	2.521403e-06	3.691943e-07
C10-12	0	1.380867e-06	3.610079e-06	4.221362e-06	4.742022e-07
C10-12	0	4.085675e-05	7.558252e-05	1.169362e-04	1.331088e-05
C10-12	0	6.070689e-09	1.160491e-08	1.971495e-08	1.793271e-09
C10-12	0	6.026961e-06	1.076368e-05	1.699532e-05	2.139249e-06
C10-12	0	5.871127e-05	1.070236e-04	1.682178e-04	1.986589e-05
C10-12	0	2.653185e-05	4.818168e-05	7.451252e-05	9.002872e-06
C10-12	0	1.398285e-04	4.081320e-04	2.106025e-04	4.403896e-05
C10-12	0	9.937687e-06	1.952580e-05	4.317052e-05	1.687449e-05
C13-15	0	2.123866e-03	5.208395e-03	1.022954e-02	2.470922e-04
C13-15	0	3.029928e-04	6.591275e-04	1.251533e-03	3.647087e-05
C13-15	0	8.719800e-03	2.083383e-02	4.048523e-02	1.204298e-03
C16	0	4.879154e-03	1.060297e-02	1.613192e-02	8.258611e-04
C16	0	2.742641e-03	5.947349e-03	8.874123e-03	4.639327e-04
C17	0	4.557762e-04	7.789440e-04	7.711989e-04	8.774700e-05
C17	0	1.005683e-04	1.781351e-04	1.143281e-04	1.435592e-05

C17	0	2.520726e-03	5.236798e-03	9.765672e-03	4.983451e-04
C18	0	4.833508e-04	1.026366e-03	1.830611e-03	9.474289e-05
C19	0	2.070060e-06	6.666856e-06	2.645973e-06	6.008602e-07
C19	0	1.708019e+00	3.418187e+00	1.048578e+00	2.761162e-01
C24	0	1.018129e-10	1.500211e-10	2.096840e-10	4.893605e-11
C20-21	0	9.742298e-02	1.951372e-01	6.329866e-02	1.575274e-02
C20-21	0	1.963322e-02	3.933664e-02	1.281496e-02	3.171228e-03
C20-21	0	1.220855e-03	4.065763e-03	1.222816e-03	3.646586e-04
C20-21	0	1.285486e-05	2.574258e-05	8.241969e-06	2.077305e-06
C20-21	0	4.916717e-05	1.020789e-04	3.264793e-05	8.041369e-06
C22	0	1.637688e-02	3.751816e-02	6.975837e-02	2.394059e-03
C23	0	8.255256e-04	1.791369e-03	3.217617e-03	1.466583e-04
C23	0	1.062444e-04	2.299956e-04	4.088225e-04	1.901870e-05
C23	0	1.106261e-04	2.399099e-04	4.264425e-04	2.056536e-05
C23	0	6.242936e-05	1.299798e-04	2.094316e-04	1.418077e-05
C23	0	3.667611e-04	7.144051e-04	8.139827e-04	9.651982e-05
C23	0	5.957437e-05	1.246047e-04	2.137920e-04	1.376413e-05
C23	0	3.147040e-04	6.938233e-04	1.242326e-03	5.445026e-05
C24	0	4.490498e-03	9.031451e-03	3.596653e-03	7.313587e-04
C24	0	8.132493e-04	1.635599e-03	6.669432e-04	1.326389e-04
C24	0	4.299658e-04	8.789866e-04	5.874777e-04	7.184690e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.583797e-03	7.215980e-03	3.049748e-03	5.828268e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.540053e-03	3.111384e-03	1.517893e-03	2.518197e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.353945e-03	6.754157e-03	2.869981e-03	5.453710e-04
C24	0	2.254647e-04	4.706136e-04	4.400792e-04	3.899780e-05
C24	0	1.787298e-04	3.591919e-04	1.421229e-04	2.911675e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.953845e-03	5.945497e-03	2.478476e-03	4.813827e-04
C25_33	0	1.628610e-02	3.472889e-02	5.965329e-02	2.442815e-03
C25	0	4.321025e-03	9.794668e-03	1.547266e-02	8.497335e-04
C26	0	1.648869e-03	3.714117e-03	6.912755e-03	2.759512e-04
C27	0	5.600756e-02	1.219166e-01	2.232646e-01	1.057842e-02
C27	0	1.304226e-03	2.948469e-03	5.517479e-03	2.265907e-04
C28_32	0	6.111038e-04	1.378054e-03	2.542543e-03	1.117993e-04
C29	0	1.130954e-03	2.538916e-03	4.615947e-03	1.989490e-04
C30	0	4.940534e-04	1.084814e-03	1.987932e-03	8.979776e-05
C31	0	3.405423e-02	7.893380e-02	1.507681e-01	5.309514e-03
E37-39	0	1.987761e-05	4.583991e-05	7.421724e-05	3.748355e-06
E37-39	0	3.891631e-05	8.852828e-05	1.645034e-04	5.892445e-06
D35	0	3.729008e-05	1.197272e-04	1.054926e-04	8.392623e-06
D35	0	3.297272e-05	6.788203e-05	9.907707e-05	7.877102e-06
D35	0	7.474442e-05	1.549610e-04	2.530525e-04	1.879794e-05
D35	0	2.089573e-05	4.321359e-05	7.084025e-05	5.248421e-06
D35	0	2.660612e-07	5.342384e-07	2.501252e-07	4.609603e-08
D35	0	9.537028e-06	1.963933e-05	2.887148e-05	2.284979e-06

D35	0	7.768731e-06	1.572099e-05	1.207422e-05	1.494007e-06
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	3.647059e-06	7.528971e-06	1.181159e-05	8.990521e-07
D35	0	5.538601e-05	1.133973e-04	1.405865e-04	1.241051e-05
D35	0	1.202537e-04	2.457004e-04	2.847276e-04	2.630923e-05
D35	0	1.342196e-04	2.740186e-04	3.103896e-04	2.921962e-05
D35	0	4.254983e-05	8.588622e-05	5.728434e-05	7.913107e-06
E36	0	2.714148e-04	1.104988e-03	6.442241e-04	3.496721e-05
F	0	8.592281e-03	1.897615e-02	2.666387e-02	1.824113e-03
F	0	1.051179e-06	2.460475e-06	3.180744e-06	2.279241e-07
G45	0	1.756888e-04	2.983149e-04	4.674919e-04	6.913764e-05
G47	0	4.588599e-05	7.989075e-05	1.273166e-04	1.705100e-05
G46	0	2.721283e-02	5.606321e-02	5.070230e-02	4.813968e-03
G47	0	4.820492e-03	9.533880e-03	9.998076e-03	1.086348e-03
I	0	8.564485e-04	1.761271e-03	3.185280e-03	1.922366e-04
H49	0	1.367687e-02	2.031154e-02	2.884038e-02	6.712557e-03
H49	0	3.905662e-02	5.924577e-02	8.583098e-02	1.864050e-02
H49	0	3.311385e-04	5.450917e-04	8.448010e-04	1.398304e-04
H50	0	7.791088e-04	1.172444e-03	1.685969e-03	3.757747e-04
H50	0	3.848180e-05	5.832466e-05	8.441222e-05	1.838350e-05
H51	0	7.016460e-04	1.295256e-03	2.174281e-03	2.366353e-04
H52	0	2.287868e-02	3.727500e-02	5.728858e-02	9.837421e-03
H53	0	8.739307e-04	1.771707e-03	3.104029e-03	2.117468e-04
K64	0	6.527237e-03	1.375435e-02	2.496567e-02	1.476929e-03
K65	0	1.833145e-04	3.718629e-04	6.485663e-04	4.285629e-05
K66	0	7.881191e-05	1.736839e-04	3.650199e-04	2.115779e-05
L68	0	1.522917e-03	3.189720e-03	5.206724e-03	3.300040e-04
M_N	0	4.561363e-03	9.489713e-03	1.679558e-02	1.001094e-03
J62_63	0	4.184061e-04	9.206060e-04	1.689613e-03	7.643975e-05
M_N	0	1.844302e-04	3.989681e-04	6.386968e-04	3.925194e-05
M_N	0	1.816722e-02	3.776416e-02	6.529080e-02	3.739035e-03
O84	0	1.263580e-04	3.112679e-04	4.400082e-04	2.426624e-05
P85	0	7.205046e-05	1.516250e-04	2.687204e-04	1.498327e-05
M_N	0	7.585556e-05	1.637848e-04	2.205921e-04	2.224882e-05
E37-39	0	3.541243e-05	6.791900e-05	4.225978e-05	8.036871e-06
E37-39	0	3.014533e-05	5.794162e-05	3.750036e-05	6.835775e-06
E37-39	0	4.885268e-06	9.871647e-06	1.752393e-05	1.301774e-06
E37-39	0	1.177028e-03	1.486512e-03	1.420528e-03	4.200043e-05
E37-39	0	1.796911e-06	3.132384e-06	5.049863e-06	6.852345e-07
E37-39	0	3.632415e-06	6.133730e-06	9.653053e-06	1.467347e-06
E37-39	0	4.656799e-05	8.916197e-05	1.260528e-04	1.057551e-05
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	1.048977e-04	2.007524e-04	1.198407e-04	2.382630e-05
E37-39	0	1.167168e-04	2.254409e-04	1.586517e-04	2.641466e-05

	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	8.465058e-05	1.621925e-04	9.903545e-05	1.921918e-05
	E37-39	0	1.338823e-04	2.563370e-04	1.543427e-04	3.040435e-05
	E37-39	0	2.221977e-04	4.253959e-04	2.555732e-04	5.044351e-05
	E37-39	0	1.306892e-04	2.501533e-04	1.498371e-04	2.968341e-05
	E37-39	0	3.786582e-06	6.415484e-06	1.012249e-05	1.449640e-06
	E37-39	0	7.592743e-04	5.532769e-03	1.718853e-03	1.677122e-04
	E37-39	0	2.734594e-05	5.239230e-05	3.198215e-05	6.129786e-06
	E37-39	0	3.399157e-05	6.513475e-05	3.986100e-05	7.717805e-06
	R_S	0	1.425637e-04	3.229034e-04	4.478616e-04	3.708785e-05
	R_S	0	3.942811e-03	8.994994e-03	1.702566e-02	6.598171e-04
	R_S	0	1.427270e-04	3.252718e-04	5.990451e-04	2.553175e-05
	T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
GB	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	5.483450e-09	1.204657e-08	2.222433e-08	1.016304e-09
	A01	0	1.731054e-09	1.652151e-04	7.015933e-09	3.208339e-10
	A01	0	2.495755e-09	5.482916e-09	7.285389e-02	4.625638e-10
	A01	0	1.982082e-09	4.351423e-09	8.024013e-09	3.489569e-04
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	6.074057e-06	1.268254e-05	2.231424e-05	3.388853e-05
	A01	0	2.390241e-09	5.247487e-09	9.676353e-09	4.438534e-10
	A01	0	1.438659e-09	3.158404e-09	5.824089e-09	2.671504e-10
	A01	0	2.056081e-09	4.518976e-09	8.339406e-09	3.806126e-10
	A01	0	9.812985e-06	2.072392e-05	3.686283e-05	1.952799e-06
	A01	0	1.701537e-06	3.546308e-06	6.227775e-06	3.464058e-07
	A01	0	9.207021e-09	2.022688e-08	3.731590e-08	1.706431e-09
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	4.293912e-06	9.195074e-06	1.761793e-05	8.607156e-07
	A03	0	5.984640e-07	1.144339e-06	1.923759e-06	1.802534e-07
	B_nongas	0	3.392977e-06	6.615164e-06	1.121653e-05	9.019446e-07
	B_nongas	0	2.350046e-04	4.644373e-04	7.853426e-04	5.927197e-05
	B_gas	0	6.126509e-04	1.210402e-03	2.048976e-03	1.546478e-04
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	2.820526e-11	5.846034e-11	1.014258e-10	5.755743e-12
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	6.136332e-09	1.257118e-08	2.153467e-08	1.365664e-09
	B_nongas	0	5.020407e-10	1.032739e-09	1.779981e-09	1.099323e-10
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	8.082113e-06	1.738506e-05	3.133221e-05	1.563479e-06
	B_nongas	0	2.253145e-06	4.762932e-06	8.471861e-06	4.601585e-07
	B_nongas	0	2.318490e-05	4.924749e-05	8.841155e-05	4.806001e-06

C10-12	0	3.146516e-06	6.308542e-06	1.075337e-05	8.277809e-07
C10-12	0	7.107555e-07	1.373135e-06	2.239344e-06	2.066226e-07
C10-12	0	3.494500e-06	6.790981e-06	1.109826e-05	9.977188e-07
C10-12	0	1.485484e-06	2.889291e-06	4.704679e-06	4.261624e-07
C10-12	0	3.142701e-07	6.123778e-07	9.919996e-07	9.024041e-08
C10-12	0	1.160743e-04	2.554110e-04	4.719944e-04	2.217835e-05
C10-12	0	9.401599e-10	1.661529e-09	2.663500e-09	3.297309e-10
C10-12	0	4.596370e-07	7.201851e-07	1.058036e-06	2.035790e-07
C10-12	0	3.540083e-04	7.843312e-04	1.457366e-03	6.592758e-05
C10-12	0	1.218882e-04	2.682875e-04	4.962332e-04	2.324154e-05
C10-12	0	7.167107e-05	1.584630e-04	2.941862e-04	1.345580e-05
C10-12	0	2.747610e-05	6.427623e-05	4.301428e-04	1.908878e-05
C13-15	0	2.478073e-03	6.066158e-03	1.188790e-02	2.904485e-04
C13-15	0	1.158236e-04	2.850436e-04	5.599460e-04	1.319901e-05
C13-15	0	1.062523e-03	2.519482e-03	4.862004e-03	1.507857e-04
C16	0	2.340167e-04	5.235895e-04	9.689076e-04	3.904642e-05
C16	0	1.468129e-04	3.285324e-04	6.080899e-04	2.446502e-05
C17	0	1.292725e-05	2.952104e-05	5.518016e-05	2.088349e-06
C17	0	2.091522e-04	4.870885e-04	9.245664e-04	3.187560e-05
C17	0	2.571024e-03	5.620868e-03	1.039087e-02	5.082560e-04
C18	0	2.387805e-03	5.167329e-03	9.301066e-03	4.489662e-04
C19	0	1.085846e-09	1.677316e-09	2.452088e-09	4.912624e-10
C19	0	6.816982e-03	1.362908e-02	4.076215e-03	1.105867e-03
C24	0	9.696341e-09	1.497802e-08	2.189655e-08	4.386853e-09
C20-21	0	1.078341e-03	2.323097e-03	3.006682e-03	1.765207e-04
C20-21	0	1.878348e-04	4.019595e-04	4.968554e-04	3.094764e-05
C20-21	0	1.079439e-07	2.333955e-07	3.387312e-07	1.822202e-08
C20-21	0	1.831931e-06	3.952221e-06	5.726099e-06	3.129485e-07
C20-21	0	2.201372e-04	5.488758e-04	5.071459e-04	3.845914e-05
C22	0	1.643813e-02	3.758500e-02	6.997856e-02	2.426585e-03
C23	0	2.406729e-03	5.232821e-03	9.429870e-03	4.239857e-04
C23	0	1.040430e-03	2.262168e-03	4.076597e-03	1.832885e-04
C23	0	9.798162e-05	2.162448e-04	3.933669e-04	1.651556e-05
C23	0	1.638046e-05	3.642549e-05	6.691423e-05	2.851681e-06
C23	0	1.520906e-04	3.407730e-04	6.260508e-04	2.586168e-05
C23	0	3.827392e-05	8.513562e-05	1.564383e-04	6.665564e-06
C23	0	2.824945e-03	6.248273e-03	1.136378e-02	4.650726e-04
C24	0	1.161324e-04	2.614136e-04	4.837509e-04	2.013393e-05
C24	0	4.060758e-05	9.091153e-05	1.678336e-04	7.125489e-06
C24	0	2.750114e-05	6.215397e-05	1.141010e-04	4.802743e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	6.947976e-05	1.567105e-04	2.893221e-04	1.204997e-05
C24	0	1.171541e-04	2.653386e-04	4.921400e-04	1.994124e-05
C24	0	7.197319e-05	1.652279e-04	3.084256e-04	1.187050e-05
C24	0	1.272670e-05	2.844017e-05	5.245974e-05	2.253399e-06
C24	0	6.537460e-05	1.473188e-04	2.721183e-04	1.134440e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	6.060694e-05	1.356934e-04	2.504981e-04	1.063029e-05

C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.282902e-04	5.161183e-04	9.571064e-04	3.902562e-05
C25_33	0	2.417510e-02	5.373654e-02	9.890777e-02	4.328492e-03
C25	0	2.285477e-02	5.029191e-02	9.176343e-02	4.219583e-03
C26	0	9.264082e-04	2.125269e-03	3.903940e-03	1.593466e-04
C27	0	2.102600e-02	4.585506e-02	8.361568e-02	3.959206e-03
C27	0	1.445266e-03	3.272478e-03	6.101696e-03	2.459353e-04
C28_32	0	1.957932e-03	4.544607e-03	8.184079e-03	3.289028e-04
C29	0	8.521725e-03	1.949265e-02	3.560717e-02	1.424479e-03
C30	0	1.425563e-02	3.178979e-02	5.852351e-02	2.531410e-03
C31	0	1.462320e-02	3.384223e-02	6.401232e-02	2.289402e-03
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	2.464088e-08	5.428424e-08	9.519392e-08	3.787517e-09
D35	0	8.907706e-06	1.825756e-05	3.134496e-05	1.976958e-06
D35	0	1.181148e-04	2.407688e-04	4.114724e-04	2.669020e-05
D35	0	4.339644e-06	8.508803e-06	1.434754e-05	1.145276e-06
D35	0	5.751514e-07	1.159064e-06	1.975299e-06	1.359817e-07
D35	0	5.621875e-07	1.136912e-06	1.944395e-06	1.316911e-07
D35	0	3.394669e-06	6.825189e-06	1.160470e-05	8.067964e-07
D35	0	1.128295e-06	2.273398e-06	3.873991e-06	2.667462e-07
D35	0	1.166091e-09	2.382211e-09	4.131121e-09	2.691863e-10
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	5.258726e-07	1.059339e-06	1.804602e-06	1.244061e-07
D35	0	3.122399e-05	6.359990e-05	1.089009e-04	7.126837e-06
D35	0	1.128930e-04	2.308223e-04	3.960785e-04	2.538186e-05
D35	0	5.957450e-05	1.216776e-04	2.081187e-04	1.334291e-05
D35	0	4.658625e-07	9.394404e-07	1.601106e-06	1.100799e-07
E36	0	1.526584e-05	3.112794e-05	4.936027e-05	3.934585e-06
F	0	4.066145e-03	9.367695e-03	1.196437e-02	1.004979e-03
F	0	5.229987e-06	1.203834e-05	1.540968e-05	1.291893e-06
G45	0	1.375885e-04	2.598785e-04	4.202209e-04	4.152259e-05
G47	0	7.848795e-05	1.465300e-04	2.416009e-04	2.414421e-05
G46	0	3.609000e-03	6.686912e-03	1.095166e-02	1.105637e-03
G47	0	9.242082e-04	1.915515e-03	3.359630e-03	2.072445e-04
I	0	2.105444e-03	4.431880e-03	8.004420e-03	4.724786e-04
H49	0	2.540249e-03	3.724390e-03	5.223108e-03	1.266178e-03
H49	0	8.456118e-03	1.283037e-02	1.857946e-02	4.032194e-03
H49	0	4.078368e-06	7.464553e-06	1.214290e-05	1.321238e-06
H50	0	1.143516e-03	1.674934e-03	2.343164e-03	5.711109e-04
H50	0	1.118181e-05	1.640100e-05	2.298023e-05	5.574077e-06
H51	0	1.356017e-03	2.610750e-03	4.502031e-03	4.161411e-04
H52	0	4.392248e-03	7.217804e-03	1.110149e-02	1.864506e-03
H53	0	2.964220e-03	6.217035e-03	1.088808e-02	6.289320e-04
K64	0	2.833394e-02	5.969634e-02	1.082951e-01	6.406441e-03
K65	0	1.278716e-03	2.595214e-03	4.527977e-03	2.985340e-04
K66	0	3.923241e-04	8.205149e-04	1.486528e-03	8.434370e-05

L68	0	5.174745e-04	1.080578e-03	1.925404e-03	1.114218e-04
M_N	0	2.213434e-03	4.581474e-03	7.982412e-03	4.548397e-04
J62_63	0	6.617910e-03	1.438697e-02	2.622359e-02	1.237953e-03
M_N	0	2.753251e-04	5.695097e-04	9.904837e-04	5.642399e-05
M_N	0	6.307120e-02	1.304068e-01	2.264138e-01	1.288708e-02
O84	0	3.967046e-06	8.374643e-06	1.523201e-05	9.070941e-07
P85	0	4.986880e-05	1.050664e-04	1.887943e-04	1.079876e-05
M_N	0	2.500361e-06	5.187026e-06	9.090639e-06	5.204811e-07
E37-39	0	3.857687e-06	7.544499e-06	1.277204e-05	1.029222e-06
E37-39	0	2.980017e-06	5.848892e-06	9.942851e-06	7.914904e-07
E37-39	0	1.082250e-06	2.233059e-06	3.987895e-06	2.623551e-07
E37-39	0	1.955082e-04	2.284015e-04	2.518015e-04	1.999459e-06
E37-39	0	6.554132e-07	1.286994e-06	2.191975e-06	1.745349e-07
E37-39	0	7.455239e-07	1.441074e-06	2.426482e-06	2.070554e-07
E37-39	0	3.678001e-06	6.843661e-06	2.823089e-05	1.150011e-06
E37-39	0	3.072701e-07	5.904065e-07	9.937122e-07	7.868617e-08
E37-39	0	7.446001e-08	1.495505e-07	2.613405e-07	1.123396e-08
E37-39	0	1.344932e-05	2.724609e-05	4.695922e-05	3.144364e-06
E37-39	0	3.144156e-05	6.223344e-05	1.066141e-04	8.206236e-06
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	5.193476e-06	1.051277e-05	1.815980e-05	1.230539e-06
E37-39	0	1.736490e-05	3.634981e-05	6.450772e-05	3.720916e-06
E37-39	0	1.608680e-05	3.279954e-05	5.671826e-05	3.689017e-06
E37-39	0	1.556443e-05	3.168670e-05	5.478798e-05	3.582242e-06
E37-39	0	6.855087e-06	1.372418e-05	2.351039e-05	1.507026e-06
E37-39	0	1.628200e-05	2.892896e-04	1.135033e-04	3.726374e-06
E37-39	0	2.774625e-06	5.580171e-06	9.589052e-06	6.323633e-07
E37-39	0	5.054042e-06	1.012127e-05	1.735989e-05	1.241309e-06
R_S	0	2.798181e-05	5.797815e-05	1.004323e-04	5.786671e-06
R_S	0	9.177546e-04	1.921963e-03	3.410104e-03	1.961121e-04
R_S	0	8.063407e-05	1.697897e-04	3.000273e-04	1.792546e-05
T	0	1.410993e-06	2.920494e-06	5.091680e-06	2.900492e-07
U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
US	A01	0	1.612686e-08	3.426800e-08	6.257804e-08
	A01	0	8.627864e-08	1.833337e-07	3.347922e-07
	A01	0	6.212972e-07	2.623225e-03	2.410857e-06
	A01	0	2.676714e-07	5.687755e-07	1.236753e-01
	A01	0	2.514457e-07	5.342976e-07	9.757001e-07
	A01	0	4.647424e-08	9.875322e-08	1.803368e-07
	A01	0	2.775250e-07	5.897134e-07	1.076897e-06
	A01	0	9.459948e-08	2.033823e-07	3.873044e-07
	A01	0	9.196439e-07	1.954153e-06	3.568550e-06
	A01	0	2.280752e-07	4.846375e-07	8.854530e-07
	A01	0	6.759969e-08	1.436427e-07	2.623111e-07
	A01	0	9.241257e-09	1.963677e-08	3.588570e-08
	A01	0	1.729847e-09	3.675756e-09	6.717352e-09
	A01	0	3.141656e-08	6.675712e-08	1.219076e-07
	A01	0	4.975999e-10	1.057351e-09	1.932282e-09

A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0	0.000000e+00	0.000000e+00	8.509929e-05	0.000000e+00
A03	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	1.390428e-03	3.296663e-03	2.556219e-03	5.895865e-04
B_gas	0	2.763111e-03	6.544138e-03	5.083374e-03	1.173057e-03
B_gas	0	9.340249e-05	2.090230e-04	1.853393e-04	4.238130e-05
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	1.040043e-06	2.365501e-06	4.467609e-06	1.734479e-07
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	1.451950e-04	3.300620e-04	6.229460e-04	2.420836e-05
B_nongas	0	8.923828e-06	2.017923e-05	3.781291e-05	1.482121e-06
B_nongas	0	7.686296e-03	2.152663e-02	1.936900e-02	1.860614e-03
C10-12	0	1.255347e-05	2.849347e-05	5.389497e-05	2.178137e-06
C10-12	0	7.720172e-06	1.768226e-05	3.361167e-05	1.292306e-06
C10-12	0	4.620862e-06	1.104185e-05	2.146236e-05	6.376539e-07
C10-12	0	1.259919e-05	2.949603e-05	5.672807e-05	1.919630e-06
C10-12	0	3.834540e-04	1.288113e-03	3.888129e-04	1.126589e-04
C10-12	0	1.084669e-03	3.643538e-03	1.100297e-03	3.186559e-04
C10-12	0	1.915564e-06	6.431828e-06	1.953598e-06	5.623099e-07
C10-12	0	6.860634e-08	1.639526e-07	3.186908e-07	9.463266e-09
C10-12	0	1.111480e-02	3.733773e-02	1.126729e-02	3.265639e-03
C10-12	0	1.453577e-07	3.473713e-07	6.752208e-07	2.004959e-08
C10-12	0	9.400456e-08	2.246197e-07	4.365905e-07	1.297528e-08
C10-12	0	2.320317e-05	5.514701e-05	2.005317e-04	6.698700e-06
C13-15	0	2.573278e-02	8.593820e-02	2.811927e-02	7.467616e-03
C13-15	0	2.156712e-05	5.240308e-05	1.026094e-04	2.711905e-06
C13-15	0	2.260294e-03	5.400724e-03	1.049719e-02	3.120292e-04
C16	0	5.661613e-04	9.251895e-04	2.240607e-03	2.229944e-04
C16	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	6.126854e-05	2.058308e-04	6.206781e-05	1.800316e-05
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	1.160567e-02	3.645984e-02	1.815452e-02	3.209876e-03
C18	0	1.192028e-03	2.484639e-03	4.348096e-03	2.394633e-04
C19	0	4.532613e-08	1.522725e-07	4.591742e-08	1.331864e-08
C19	0	1.653106e-02	5.198835e-02	1.565906e-02	4.512754e-03
C24	0	7.562336e-15	2.851369e-14	9.126092e-15	0.000000e+00
C20-21	0	3.139876e-02	1.054639e-01	3.185573e-02	9.223567e-03
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	1.159356e-03	3.873897e-03	1.164739e-03	3.476095e-04
C20-21	0	5.474001e-02	5.370301e-03	1.899223e-01	4.947686e-02
C20-21	0	1.590698e+00	5.339535e+00	1.615179e+00	4.681656e-01

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E36	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
F	0	4.925839e-04	1.138403e-03	1.439835e-03	1.223151e-04
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	2.701270e-05	4.330294e-05	6.497004e-05	1.142828e-05
G47	0	2.943238e-05	5.377202e-05	8.837212e-05	9.523338e-06
G46	0	1.041758e-03	1.569070e-03	2.240398e-03	4.871431e-04
G47	0	1.445011e-05	2.129219e-05	2.976003e-05	6.945397e-06
I	0	2.113775e-03	4.448293e-03	8.055920e-03	4.748100e-04
H49	0	1.488231e-03	2.172763e-03	3.036917e-03	7.461163e-04
H49	0	5.294794e-03	8.004241e-03	1.156057e-02	2.538752e-03
H49	0	6.834716e-06	9.959893e-06	1.389592e-05	3.434380e-06
H50	0	5.988926e-04	8.727914e-04	1.217783e-03	3.009147e-04
H50	0	2.066673e-06	3.013362e-06	4.206534e-06	1.037771e-06
H51	0	4.584611e-04	8.813243e-04	1.521450e-03	1.412044e-04
H52	0	2.883987e-03	4.574519e-03	6.890837e-03	1.293367e-03
H53	0	3.520600e-03	7.336563e-03	1.302451e-02	7.498943e-04
K64	0	3.043468e-02	6.412061e-02	1.163139e-01	6.880524e-03
K65	0	4.771806e-04	9.679853e-04	1.688264e-03	1.115579e-04
K66	0	5.128259e-06	1.618914e-05	6.459069e-05	3.512751e-06
L68	0	2.053772e-04	4.298285e-04	7.707519e-04	4.475442e-05
M_N	0	8.774365e-04	1.816000e-03	3.165582e-03	1.803341e-04
J62_63	0	2.003586e-04	4.160076e-04	7.297007e-04	4.193788e-05
M_N	0	5.718176e-05	1.190591e-04	2.102044e-04	1.215133e-05
M_N	0	5.188953e-02	1.072690e-01	1.863163e-01	1.059908e-02
O84	0	8.647571e-05	1.816711e-04	3.252656e-04	1.873154e-05
P85	0	2.989647e-06	6.306593e-06	1.146000e-05	6.806988e-07
M_N	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
R_S	0	9.167966e-10	1.918738e-09	3.440601e-09	1.997817e-10

	R_S	0	2.220810e-03	4.642490e-03	8.232983e-03	4.717869e-04
	R_S	0	1.017354e-05	2.148601e-05	3.909870e-05	2.331927e-06
	T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
JP	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	1.945382e-04	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	1.311665e-07	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	0.000000e+00	0.000000e+00	1.314776e-08	0.000000e+00
	A03	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	2.093822e-07	4.764355e-07	9.000396e-07	3.485887e-08
	B_nongas	0	1.917714e-06	4.363634e-06	8.243389e-06	3.192695e-07
	B_nongas	0	3.290652e-04	7.273606e-04	1.352980e-03	6.166224e-05
	C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

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C31	0	2.971993e-03	6.894672e-03	1.317862e-02	4.624062e-04
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	2.147883e-06	3.443182e-06	5.166016e-06	9.087062e-07
G47	0	2.522143e-06	4.607875e-06	7.572854e-06	8.160814e-07
G46	0	8.176306e-05	1.231494e-04	1.758391e-04	3.823374e-05
G47	0	1.239555e-06	1.826480e-06	2.552866e-06	5.957880e-07
I	0	6.308785e-05	1.327645e-04	2.404399e-04	1.417149e-05
H49	0	7.523283e-05	1.098372e-04	1.535218e-04	3.771756e-05
H49	0	4.453596e-04	6.731581e-04	9.721135e-04	2.135834e-04
H49	0	6.079812e-07	8.859808e-07	1.236110e-06	3.055047e-07
H50	0	2.613800e-04	3.808961e-04	5.314217e-04	1.313409e-04
H50	0	6.266674e-07	9.132112e-07	1.274102e-06	3.148944e-07
H51	0	9.622625e-05	1.849808e-04	3.193366e-04	2.963735e-05
H52	0	1.932695e-04	3.133043e-04	4.804225e-04	8.384983e-05
H53	0	5.166411e-05	1.077888e-04	1.919619e-04	1.107067e-05
K64	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
K65	0	1.254871e-04	2.545571e-04	4.439731e-04	2.933708e-05
K66	0	2.272736e-07	7.174685e-07	2.862523e-06	1.556777e-07
L68	0	8.257658e-06	1.728222e-05	3.098976e-05	1.799449e-06
M_N	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
J62_63	0	4.423016e-07	9.339277e-07	1.699092e-06	1.012630e-07
M_N	0	3.774840e-06	7.962529e-06	1.446812e-05	8.592237e-07
M_N	0	1.462922e-03	3.024235e-03	5.252815e-03	2.988199e-04
O84	0	7.004427e-07	1.478672e-06	2.689445e-06	1.601614e-07
P85	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
M_N	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

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B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	3.533029e-05	8.035572e-05	1.517636e-04	5.892142e-06
B_nongas	0	5.390693e-06	1.226617e-05	2.317216e-05	8.974663e-07
B_nongas	0	2.865915e-02	6.334773e-02	1.178346e-01	5.370325e-03
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	3.548049e-08	2.439863e-08	1.919005e-05	7.217477e-07
C13-15	0	5.298882e-03	1.301796e-02	2.559617e-02	6.102681e-04
C13-15	0	3.546304e-04	9.096839e-04	1.822218e-03	2.998125e-05
C13-15	0	2.498076e-02	5.968877e-02	1.160149e-01	3.448546e-03
C16	0	1.488296e-03	3.317387e-03	6.138427e-03	2.523614e-04
C16	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	1.075436e-03	2.326893e-03	4.282366e-03	2.204206e-04
C18	0	4.679153e-05	1.053787e-04	1.975966e-04	7.994042e-06
C19	0	7.206757e-07	1.574290e-06	5.277207e-07	7.987714e-08
C19	0	2.600814e-02	5.174844e-02	7.839176e-03	4.293449e-03
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	3.136343e-08	1.182554e-07	3.784883e-08	0.000000e+00
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	7.243864e-03	0.000000e+00	2.566811e-02	6.680304e-03
C20-21	0	2.217364e-01	7.449204e-01	2.246290e-01	6.515505e-02
C22	0	1.741232e-02	3.988702e-02	7.429491e-02	2.524210e-03
C23	0	3.460118e-03	7.519920e-03	1.354626e-02	6.096765e-04
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	2.098267e-04	4.622069e-04	8.386949e-04	3.507613e-05
C23	0	1.087439e-07	2.403353e-07	4.368716e-07	1.793780e-08
C23	0	6.109814e-07	1.381573e-06	2.541902e-06	9.153390e-08
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	1.304461e-03	2.885010e-03	5.246220e-03	2.145765e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	0	1.055984e-02	2.305945e-02	3.928735e-02	1.536607e-03
C25	0	4.715252e-03	1.148467e-02	1.486073e-02	1.112804e-03
C26	0	1.944263e-02	4.464221e-02	8.504305e-02	3.253867e-03
C27	0	2.470764e-01	5.379964e-01	9.859034e-01	4.668722e-02
C27	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C28_32	0	8.435250e-03	1.991400e-02	3.848028e-02	1.240787e-03
C29	0	2.582316e-05	5.659486e-05	1.050056e-04	5.101925e-06
C30	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C31	0	8.908193e-02	2.066596e-01	3.950135e-01	1.386007e-02
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
F	0	8.895552e-05	2.055837e-04	2.600191e-04	2.208884e-05
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	3.355745e-06	5.379456e-06	8.071126e-06	1.419717e-06
G47	0	3.655722e-06	6.678887e-06	1.097648e-05	1.182870e-06
G46	0	1.297140e-04	1.953718e-04	2.789619e-04	6.065636e-05
G47	0	1.811078e-06	2.668618e-06	3.729919e-06	8.704886e-07
I	0	2.447587e-04	5.150797e-04	9.328225e-04	5.498042e-05
H49					

H49	0	3.694733e-06	5.384152e-06	7.511905e-06	1.856568e-06
H50	0	1.578632e-03	2.300463e-03	3.209578e-03	7.932477e-04
H50	0	3.497674e-06	5.096986e-06	7.111255e-06	1.757548e-06
H51	0	4.742423e-05	9.116612e-05	1.573821e-04	1.460650e-05
H52	0	1.191101e-03	1.930865e-03	2.960798e-03	5.167585e-04
H53	0	5.499004e-05	1.147278e-04	2.043196e-04	1.178335e-05
K64	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
K65	0	2.452950e-04	4.975934e-04	8.678530e-04	5.734642e-05
K66	0	1.619649e-06	5.112989e-06	2.039957e-05	1.109426e-06
L68	0	6.013147e-05	1.258475e-04	2.256645e-04	1.310342e-05
M_N	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
J62_63	0	9.455752e-07	1.996599e-06	3.632407e-06	2.164852e-07
M_N	0	5.171703e-06	1.090903e-05	1.982198e-05	1.177175e-06
M_N	0	3.958915e-03	8.184092e-03	1.421501e-02	8.086572e-04
O84	0	1.523419e-06	3.216018e-06	5.849375e-06	3.483409e-07
P85	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
M_N	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	8.783643e-08	1.879980e-07	3.444858e-07	1.905176e-08
E37-39	0	1.354284e-07	2.898958e-07	5.312393e-07	2.936178e-08
E37-39	0	5.666700e-07	1.213254e-06	2.223570e-06	1.227688e-07
E37-39	0	1.228914e-04	1.402951e-04	1.498734e-04	0.000000e+00
E37-39	0	3.548417e-08	7.590268e-08	1.390371e-07	7.712454e-09
E37-39	0	2.599473e-08	5.563302e-08	1.019373e-07	5.639684e-09
E37-39	0	3.313626e-08	7.092958e-08	7.232345e-06	7.184630e-09
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	1.176996e-06	2.520207e-06	4.619101e-06	2.549140e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	5.509790e-08	1.178727e-07	2.159327e-07	1.197009e-08
E37-39	0	5.314307e-08	1.137905e-07	2.085577e-07	1.150990e-08
E37-39	0	5.137140e-09	1.095195e-08	2.002359e-08	1.129601e-09
E37-39	0	9.295209e-09	1.985702e-08	3.634682e-08	2.029541e-09
E37-39	0	1.274766e-09	2.714561e-09	4.959808e-09	0.000000e+00
E37-39	0	0.000000e+00	1.526044e-05	3.348622e-06	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	8.161284e-09	1.742839e-08	3.189489e-08	1.784185e-09
R_S	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
R_S	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
R_S	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CA A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	8.593102e-05	1.273286e-06	9.876978e-04	3.802003e-07
A01	0	8.625866e-07	1.917655e-04	9.279906e-04	3.994441e-07
A01	0	9.218131e-08	1.771675e-07	5.272344e-03	2.836815e-08
A01	0	5.122574e-07	8.141937e-07	8.704981e-04	4.557944e-05
A01	0	1.197279e-10	1.856460e-10	1.225253e-07	5.546488e-11

A01	0	5.647284e-11	8.756483e-11	5.779241e-08	2.616151e-11
A01	0	6.605964e-07	1.019940e-06	7.764033e-04	3.000045e-07
A01	0	1.634248e-06	2.500246e-06	9.129188e-06	7.655062e-07
A01	0	9.737846e-07	1.489695e-06	5.415789e-06	4.562695e-07
A01	0	7.287728e-07	1.114807e-06	4.040450e-06	3.415048e-07
A01	0	1.477673e-07	2.291289e-07	8.172399e-07	6.885867e-08
A01	0	6.324129e-07	1.145984e-06	1.849853e-06	9.281159e-08
A01	0	1.792604e-06	2.742490e-06	1.000303e-05	8.397822e-07
A01	0	3.293581e-08	5.038329e-08	1.826271e-07	1.543660e-08
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0	1.585221e-05	2.886263e-05	4.743896e-05	5.344631e-06
A03	0	3.260427e-09	1.564250e-07	6.021726e-07	1.180487e-08
B_nongas	0	1.758263e-09	4.274396e-09	5.558648e-09	4.147754e-10
B_nongas	0	5.692748e-06	1.213648e-05	2.111087e-05	1.151279e-06
B_gas	0	6.339837e-06	1.358533e-05	2.332865e-05	1.290467e-06
B_gas	0	9.822635e-07	2.104935e-06	3.600450e-06	2.012638e-07
B_nongas	0	1.634045e-12	3.957977e-12	5.196675e-12	3.851579e-13
B_nongas	0	2.413335e-07	5.002032e-07	8.649867e-07	4.940793e-08
B_nongas	0	4.876821e-07	1.008361e-06	1.752219e-06	9.972442e-08
B_nongas	0	2.241600e-08	4.634280e-08	8.050592e-08	4.580513e-09
B_nongas	0	4.294689e-09	1.040258e-08	1.365819e-08	1.012294e-09
B_nongas	0	8.537731e-10	2.068005e-09	2.715213e-09	2.012413e-10
B_nongas	0	1.391133e-07	2.876026e-07	4.996183e-07	2.842658e-08
B_nongas	0	1.052822e-11	2.550141e-11	3.348239e-11	2.481589e-12
B_nongas	0	2.634218e-06	5.990692e-06	1.131375e-05	4.395556e-07
B_nongas	0	9.265679e-07	2.067440e-06	3.864292e-06	1.680607e-07
B_nongas	0	5.005833e-05	1.398135e-04	1.269032e-04	1.209137e-05
C10-12	0	1.929799e-06	4.197065e-06	7.696872e-06	3.864554e-07
C10-12	0	1.037803e-06	2.237384e-06	4.085288e-06	2.159010e-07
C10-12	0	6.681160e-07	1.376914e-06	2.325873e-06	1.472432e-07
C10-12	0	3.326543e-06	7.544066e-06	1.402915e-05	5.320043e-07
C10-12	0	8.051014e-05	2.704025e-04	8.175682e-05	2.364906e-05
C10-12	0	2.355806e-06	4.720839e-06	8.064808e-06	5.582209e-07
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	1.086396e-06	2.455046e-06	4.602684e-06	1.832697e-07
C10-12	0	7.684689e-05	2.446004e-04	1.063143e-04	2.158138e-05
C10-12	0	5.374907e-06	1.078235e-05	1.846705e-05	1.261097e-06
C10-12	0	5.909020e-07	1.157897e-06	1.961434e-06	1.524188e-07
C10-12	0	2.010850e-06	4.125797e-06	1.476601e-05	7.019583e-07
C13-15	0	4.638436e-05	1.102498e-04	2.080411e-04	6.751593e-06
C13-15	0	3.370703e-06	8.229369e-06	1.602316e-05	4.070679e-07
C13-15	0	2.150934e-05	5.111634e-05	9.877724e-05	2.996216e-06
C16	0	1.096284e-04	2.427461e-04	4.453521e-04	1.899546e-05
C16	0	2.307688e-05	5.087508e-05	9.325610e-05	4.105548e-06
C17	0	5.318345e-06	1.141855e-05	2.062801e-05	1.094712e-06
C17	0	2.273572e-06	4.863918e-06	8.770764e-06	4.749135e-07
C17	0	1.123488e-03	2.637055e-03	3.994879e-03	2.422506e-04

C18	0	6.011770e-05	1.325857e-04	2.344867e-04	1.199202e-05
C19	0	5.575163e-06	1.829601e-05	6.641752e-06	1.609744e-06
C19	0	4.001346e-04	1.135921e-03	3.621370e-04	9.741474e-05
C24	0	3.738738e-05	1.237766e-04	4.223967e-05	1.084962e-05
C20-21	0	1.383460e-07	2.091086e-07	3.019750e-07	6.634752e-08
C20-21	0	3.291679e-12	5.018735e-12	7.305235e-12	1.560758e-12
C20-21	0	1.999327e-10	3.226920e-10	4.892513e-10	8.684356e-11
C20-21	0	3.161009e-08	5.770939e-08	9.448418e-08	1.053565e-08
C20-21	0	9.988454e-03	3.353131e-02	1.019092e-02	2.932114e-03
C22	0	9.685844e-04	2.391385e-03	3.595101e-03	1.664033e-04
C23	0	3.708695e-05	8.399110e-05	1.381848e-04	7.052799e-06
C23	0	1.889448e-06	4.284811e-06	7.008984e-06	3.624578e-07
C23	0	9.926340e-07	2.165792e-06	3.906383e-06	1.721314e-07
C23	0	1.094226e-07	2.196092e-07	3.761617e-07	2.560853e-08
C23	0	8.005875e-06	1.885576e-05	2.840294e-05	1.599910e-06
C23	0	8.673660e-07	2.013637e-06	3.052417e-06	1.771984e-07
C23	0	1.918813e-04	4.335058e-04	7.305883e-04	3.659336e-05
C24	0	2.343884e-05	5.678849e-05	7.701460e-05	4.373722e-06
C24	0	1.076839e-05	2.592769e-05	3.544578e-05	2.031871e-06
C24	0	3.855632e-07	9.950765e-07	1.317019e-06	7.733391e-08
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	5.378750e-06	1.624084e-05	1.071716e-05	1.375991e-06
C24	0	1.582041e-07	4.205764e-07	4.119634e-07	3.734073e-08
C24	0	2.629875e-06	6.807803e-06	9.005981e-06	5.221898e-07
C24	0	3.501570e-07	9.049440e-07	1.197417e-06	6.991685e-08
C24	0	5.740563e-06	1.487247e-05	1.970348e-05	1.134320e-06
C24	0	5.805757e-10	1.506570e-09	1.992507e-09	1.143186e-10
C24	0	5.234202e-06	1.352916e-05	1.789589e-05	1.042898e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	4.107030e-06	1.089608e-05	1.139269e-05	9.350281e-07
C25_33	0	6.282003e-04	1.566006e-03	2.056013e-03	1.163825e-04
C25	0	5.847085e-04	1.344252e-03	2.215581e-03	1.145045e-04
C26	0	5.829739e-05	1.338314e-04	2.548396e-04	9.751534e-06
C27	0	3.395199e-03	7.395485e-03	1.354253e-02	6.416528e-04
C27	0	3.987074e-04	9.724968e-04	1.359914e-03	8.141324e-05
C28_32	0	5.505666e-04	1.292863e-03	2.478012e-03	8.324939e-05
C29	0	2.859785e-04	6.231306e-04	1.125624e-03	5.472117e-05
C30	0	1.002315e-04	2.311949e-04	4.396664e-04	1.590277e-05
C31	0	1.264810e-03	3.141207e-03	4.894969e-03	2.261145e-04
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	4.916084e-07	1.020780e-06	1.789756e-06	1.036002e-07
D35	0	3.204859e-07	6.656132e-07	1.167153e-06	6.746536e-08
D35	0	3.400796e-07	7.060021e-07	1.237708e-06	7.172571e-08
D35	0	1.286216e-06	2.671127e-06	4.683809e-06	2.709130e-07
D35	0	1.068377e-08	2.218261e-08	3.891878e-08	2.259975e-09
D35	0	4.433078e-08	9.201143e-08	1.612915e-07	9.358301e-09
D35	0	2.480440e-08	5.147903e-08	9.023692e-08	5.238206e-09

D35	0	7.916639e-11	1.643719e-10	2.881614e-10	1.672278e-11
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	5.542347e-11	1.150749e-10	2.017384e-10	1.170742e-11
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	2.390198e-10	4.962863e-10	8.701323e-10	5.050637e-11
D35	0	3.315783e-07	6.883717e-07	1.206827e-06	6.992815e-08
D35	0	1.003750e-06	2.084124e-06	3.654210e-06	2.116153e-07
D35	0	2.970865e-09	5.471576e-09	9.076511e-09	9.594810e-10
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0	2.474032e-10	4.305061e-10	6.934633e-10	9.287931e-11
F	0	1.835835e-04	4.227637e-04	5.418371e-04	4.525644e-05
F	0	1.196280e-09	2.747543e-09	3.548044e-09	2.937981e-10
G45	0	2.326695e-05	4.812384e-05	8.409149e-05	5.007070e-06
G47	0	2.075026e-06	3.859021e-06	6.397550e-06	6.393804e-07
G46	0	8.660623e-04	2.287081e-03	2.251729e-03	2.142070e-04
G47	0	4.974393e-05	1.097049e-04	2.017875e-04	9.158195e-06
I	0	4.680621e-04	9.849368e-04	1.783569e-03	1.051184e-04
H49	0	3.933438e-04	5.743428e-04	8.028713e-04	1.971611e-04
H49	0	9.384838e-04	1.420922e-03	2.055066e-03	4.490126e-04
H49	0	1.385060e-06	2.131153e-06	3.106817e-06	6.331095e-07
H50	0	6.044806e-04	8.854308e-04	1.241483e-03	3.017860e-04
H50	0	1.082829e-06	1.683841e-06	2.491753e-06	4.980428e-07
H51	0	1.531675e-04	2.944418e-04	5.083011e-04	4.717514e-05
H52	0	6.547933e-04	1.040912e-03	1.569470e-03	2.920753e-04
H53	0	2.490916e-04	5.189491e-04	9.216035e-04	5.323554e-05
K64	0	1.428675e-03	3.009792e-03	5.459801e-03	3.231079e-04
K65	0	1.202919e-04	2.440358e-04	4.256590e-04	2.811942e-05
K66	0	3.934528e-06	8.150641e-06	1.523675e-05	9.818970e-07
L68	0	8.181096e-06	1.710226e-05	3.060535e-05	1.774157e-06
M_N	0	1.181023e-05	2.431820e-05	4.246893e-05	2.516927e-06
J62_63	0	6.912318e-06	1.435199e-05	2.520299e-05	1.454092e-06
M_N	0	1.689786e-06	3.564267e-06	6.476155e-06	3.845721e-07
M_N	0	5.779260e-03	1.194723e-02	2.075147e-02	1.180500e-03
O84	0	1.727857e-04	5.492119e-04	2.339418e-04	4.976609e-05
P85	0	5.041064e-06	1.045956e-05	1.832182e-05	1.050974e-06
M_N	0	4.883812e-05	1.009631e-04	1.753724e-04	9.976998e-06
E37-39	0	2.856975e-09	6.093206e-09	1.108545e-08	6.089344e-10
E37-39	0	2.974284e-09	6.346062e-09	1.155791e-08	6.358559e-10
E37-39	0	5.039987e-09	1.078562e-08	1.974865e-08	1.089478e-09
E37-39	0	3.095315e-07	3.539826e-07	3.791103e-07	1.301245e-10
E37-39	0	4.430596e-09	9.475498e-09	1.735107e-08	9.622582e-10
E37-39	0	4.454365e-10	9.516386e-10	1.738972e-09	9.618552e-11
E37-39	0	3.982392e-08	9.122306e-08	1.699123e-07	5.774128e-09
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	1.215523e-08	2.589084e-08	4.696300e-08	2.568542e-09
E37-39	0	9.405415e-10	1.986639e-09	3.542971e-09	1.908801e-10

	E37-39	0	7.159082e-09	1.517558e-08	2.727075e-08	1.481392e-09
	E37-39	0	1.088504e-08	2.302341e-08	4.117575e-08	2.224009e-09
	E37-39	0	3.358751e-08	7.097982e-08	1.267572e-07	6.846883e-09
	E37-39	0	2.882133e-08	6.092838e-08	1.088735e-07	5.881964e-09
	E37-39	0	1.675538e-08	3.555600e-08	6.430103e-08	1.459045e-09
	E37-39	0	2.388506e-08	1.464328e-06	4.002231e-07	4.847402e-09
	E37-39	0	7.713989e-09	1.640060e-08	2.978393e-08	4.220614e-10
	E37-39	0	5.323609e-09	1.133632e-08	2.060956e-08	1.142120e-09
	R_S	0	1.976727e-07	4.110606e-07	7.403615e-07	4.504917e-08
	R_S	0	5.221326e-05	1.124292e-04	2.050197e-04	1.048938e-05
	R_S	0	7.325207e-06	1.522108e-05	2.681545e-05	1.549469e-06
	T	0	3.869597e-11	5.224906e-11	6.808278e-11	1.669421e-12
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
KR	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	1.022444e-03	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	2.548590e-06
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A03	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	1.440812e-06	3.184748e-06	5.924024e-06	2.699881e-07
	C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

[illegible]

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	M_N	0	3.418856e-04	7.075861e-04	1.233386e-03	7.025062e-05
	J62_63	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	M_N	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	M_N	0	7.465332e-04	1.543276e-03	2.680526e-03	1.524886e-04
	O84	0	3.324051e-07	7.017247e-07	1.276315e-06	7.600686e-08
	P85	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	M_N	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
BR	A01	0	2.822199e-06	7.103132e-06	9.248559e-06	6.111451e-07
	A01	0	7.682439e-08	1.933598e-07	2.517503e-07	1.663677e-08
	A01	0	1.954747e-05	4.919746e-05	6.405377e-05	4.233353e-06
	A01	0	3.255175e-06	8.192927e-06	1.486935e-01	7.048887e-07
	A01	0	1.051239e-05	2.645869e-05	3.444889e-05	2.276505e-06
	A01	0	9.379545e-06	2.360711e-05	3.073735e-05	2.031144e-06
	A01	0	4.566519e-06	1.149343e-05	1.496546e-05	9.888312e-07
	A01	0	2.582958e-05	6.500218e-05	8.470578e-05	5.589655e-06
	A01	0	1.972163e-07	6.624821e-07	1.046510e-03	5.794392e-08
	A01	0	4.444141e-08	1.492860e-07	2.358242e-04	1.305728e-08
	A01	0	7.437604e-08	2.498413e-07	3.946696e-04	2.185235e-08
	A01	0	2.248914e-09	7.554472e-09	1.193365e-05	6.607511e-10
	A01	0	4.541956e-08	1.525718e-07	2.410147e-04	1.334467e-08
	A01	0	1.260025e-07	4.232630e-07	6.686205e-04	3.702065e-08
	A01	0	3.026941e-10	1.016799e-09	1.606218e-06	8.893422e-11
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0	1.017237e-05	2.560284e-05	3.334904e-05	2.202919e-06
A03	0	3.465096e-08	1.163983e-07	1.838721e-04	1.018076e-08
B_nongas	0	4.544214e-08	1.492606e-07	5.438362e-08	1.304224e-08
B_nongas	0	1.698281e-08	3.554286e-08	6.373397e-08	3.700772e-09
B_gas	0	1.568868e-09	3.283440e-09	5.887728e-09	3.418764e-10
B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	1.058225e-08	3.475878e-08	1.266448e-08	3.037187e-09
B_nongas	0	1.932092e-08	4.274245e-08	6.373828e-08	4.531573e-09
B_nongas	0	2.823798e-07	9.275131e-07	3.379425e-07	8.104515e-08
B_nongas	0	1.328424e-07	4.363381e-07	1.589813e-07	3.812678e-08
B_nongas	0	2.937086e-08	9.647241e-08	3.515005e-08	8.429661e-09
B_nongas	0	2.302891e-07	7.564145e-07	2.756022e-07	6.609474e-08
B_nongas	0	9.643106e-08	3.167404e-07	1.154054e-07	2.767645e-08
B_nongas	0	1.480918e-07	4.864267e-07	1.772312e-07	4.250347e-08
B_nongas	0	1.024915e-05	2.376083e-05	4.264552e-05	1.762842e-06
B_nongas	0	1.550269e-05	3.567846e-05	6.540012e-05	2.629096e-06
B_nongas	0	6.918767e-03	1.529333e-02	2.844657e-02	1.296499e-03
C10-12	0	4.389535e-06	8.903148e-06	6.130317e-06	2.123962e-06
C10-12	0	5.194201e-06	1.143374e-05	7.016646e-06	2.383341e-06
C10-12	0	6.013707e-06	1.221994e-05	8.365841e-06	2.910576e-06
C10-12	0	1.706969e-06	3.467761e-06	2.375798e-06	8.261313e-07
C10-12	0	3.863622e-06	7.854696e-06	5.385885e-06	1.868211e-06
C10-12	0	4.795296e-06	9.742852e-06	6.693060e-06	2.318543e-06
C10-12	0	1.899134e-06	3.860354e-06	2.649022e-06	9.181829e-07
C10-12	0	3.211118e-06	6.528407e-06	4.477238e-06	1.552543e-06
C10-12	0	1.678255e-05	3.411374e-05	2.340136e-05	8.114935e-06
C10-12	0	3.146553e-06	6.394047e-06	4.390394e-06	1.521394e-06
C10-12	0	6.031375e-07	1.225985e-06	8.410199e-07	2.916372e-07
C10-12	0	1.328687e-10	2.780772e-10	4.986365e-10	2.895379e-11
C13-15	0	1.861849e-05	5.954606e-05	3.115373e-05	4.902650e-06
C13-15	0	6.223750e-07	1.562149e-06	3.032879e-06	6.757774e-08
C13-15	0	3.254447e-04	7.783459e-04	1.508647e-03	4.504634e-05
C16	0	2.032937e-05	4.534096e-05	8.375075e-05	3.452612e-06
C16	0	2.297251e-05	5.123560e-05	9.464117e-05	3.901423e-06
C17	0	7.596806e-07	2.443005e-06	1.054159e-06	2.129408e-07
C17	0	1.395815e-07	4.488707e-07	1.936882e-07	3.912512e-08
C17	0	8.118303e-05	1.804107e-04	3.115397e-04	1.697987e-05
C18	0	1.725865e-06	5.705530e-06	1.988975e-06	4.993558e-07
C19	0	5.686682e-08	1.765417e-07	7.929586e-08	1.769289e-08
C19	0	4.548146e-06	1.412877e-05	6.320633e-06	1.415907e-06
C24	0	2.329490e-08	7.231847e-08	3.248272e-08	7.247708e-09
C20-21	0	9.979840e-09	3.762886e-08	1.204349e-08	0.000000e+00
C20-21	0	1.139798e-09	4.297594e-09	1.375488e-09	0.000000e+00
C20-21	0	2.064789e-06	6.936514e-06	2.092012e-06	6.067028e-07
C20-21	0	2.793706e-03	1.783764e-04	9.764946e-03	2.542996e-03
C20-21	0	8.719657e-03	2.816107e-02	1.018411e-02	2.629244e-03
C22	0	1.603377e-04	3.744840e-04	6.573362e-04	2.474027e-05

C23	0	1.762882e-05	3.891195e-05	7.048440e-05	3.241856e-06
C23	0	3.214600e-06	7.104845e-06	1.287552e-05	5.932519e-07
C23	0	3.078793e-05	6.834380e-05	1.241635e-04	5.557386e-06
C23	0	6.899028e-08	1.539175e-07	2.798494e-07	1.305739e-08
C23	0	3.040867e-05	6.722006e-05	1.250144e-04	5.689534e-06
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	8.449380e-05	1.877970e-04	3.414697e-04	1.508437e-05
C24	0	7.668615e-06	2.483301e-05	9.905242e-06	2.145835e-06
C24	0	1.538170e-06	4.981001e-06	1.986792e-06	4.304112e-07
C24	0	2.304868e-06	6.810968e-06	4.683446e-06	5.901561e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	7.559676e-06	2.233912e-05	1.536111e-05	1.935638e-06
C24	0	1.235267e-06	3.650022e-06	2.510368e-06	3.162845e-07
C24	0	7.498004e-07	2.215688e-06	1.523580e-06	1.919847e-07
C24	0	1.585219e-07	4.683629e-07	3.222172e-07	4.058827e-08
C24	0	3.577300e-06	1.057105e-05	7.269004e-06	9.159596e-07
C24	0	4.308264e-10	1.273108e-09	8.754309e-10	1.103121e-10
C24	0	5.753066e-08	1.700052e-07	1.169012e-07	1.473059e-08
C24	0	1.560894e-06	4.612500e-06	3.171707e-06	3.996635e-07
C24	0	2.069521e-06	6.115511e-06	4.205227e-06	5.298962e-07
C25_33	0	8.880757e-05	2.182444e-04	2.759603e-04	1.613299e-05
C25	0	2.797296e-04	6.760936e-04	9.012167e-04	6.480079e-05
C26	0	2.420068e-05	7.066547e-05	5.796382e-05	5.854769e-06
C27	0	3.118964e-03	6.792433e-03	1.244696e-02	5.892200e-04
C27	0	8.452097e-05	1.843608e-04	3.364015e-04	1.601522e-05
C28_32	0	2.928143e-04	6.904712e-04	1.330894e-03	4.339240e-05
C29	0	1.559081e-04	3.415151e-04	6.277230e-04	2.953741e-05
C30	0	1.157376e-07	2.754934e-07	3.823461e-07	2.551320e-08
C31	0	8.544811e-05	1.980577e-04	3.777164e-04	1.338619e-05
E37-39	0	1.223125e-07	2.762307e-07	4.905889e-07	2.303271e-08
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	1.011642e-11	2.006905e-11	3.495220e-11	2.674037e-12
D35	0	9.665897e-10	2.012914e-09	3.599893e-09	2.148466e-10
D35	0	2.748248e-11	5.491720e-11	9.603107e-11	7.093499e-12
D35	0	8.140096e-10	1.626744e-09	2.844547e-09	2.099839e-10
D35	0	1.197665e-12	2.506559e-12	4.494657e-12	2.609865e-13
D35	0	4.001404e-10	8.332885e-10	1.490252e-09	8.894033e-11
D35	0	2.635338e-11	5.264858e-11	9.205156e-11	6.807239e-12
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	9.300202e-11	1.867532e-10	3.274803e-10	2.362361e-11
D35	0	4.345356e-10	8.693420e-10	1.521210e-09	1.117297e-10
D35	0	1.494201e-09	2.986060e-09	5.221466e-09	3.854476e-10
D35	0	1.081378e-10	2.169716e-10	3.802981e-10	2.754248e-11
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0	3.325808e-09	6.653690e-09	1.164289e-08	8.551467e-10

F	0	1.038904e-04	2.400558e-04	3.038402e-04	2.579129e-05
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	8.298293e-05	1.674238e-04	2.849830e-04	1.933970e-05
G47	0	1.023663e-05	1.989211e-05	3.347211e-05	2.746405e-06
G46	0	4.801485e-04	8.636118e-04	1.394367e-03	1.594001e-04
G47	0	2.474911e-04	4.915300e-04	8.309299e-04	6.150247e-05
I	0	1.726188e-04	3.632529e-04	6.578447e-04	3.877926e-05
H49	0	6.333582e-04	9.246922e-04	1.292465e-03	3.175263e-04
H49	0	2.286275e-03	3.455727e-03	4.990448e-03	1.096428e-03
H49	0	2.748104e-06	4.013981e-06	5.598910e-06	1.378208e-06
H50	0	6.309036e-04	9.193914e-04	1.282732e-03	3.170196e-04
H50	0	2.807221e-06	4.091233e-06	5.708484e-06	1.410406e-06
H51	0	1.400464e-05	2.691575e-05	4.645821e-05	4.315587e-06
H52	0	9.264164e-04	1.501825e-03	2.302887e-03	4.019137e-04
H53	0	3.311621e-05	6.908418e-05	1.230258e-04	7.099444e-06
K64	0	2.935611e-08	6.143859e-08	1.101691e-07	6.397072e-09
K65	0	4.132519e-05	8.383114e-05	1.462113e-04	9.661019e-06
K66	0	3.020356e-07	9.465354e-07	3.746433e-06	2.038392e-07
L68	0	8.038023e-06	1.682142e-05	3.010764e-05	1.757124e-06
M_N	0	3.476476e-08	6.929764e-08	9.281922e-08	1.174613e-08
J62_63	0	5.765900e-07	1.217111e-06	2.213203e-06	1.317892e-07
M_N	0	1.328928e-07	2.666426e-07	4.672182e-07	3.381899e-08
M_N	0	8.186322e-04	1.692306e-03	2.939379e-03	1.672275e-04
O84	0	4.037497e-05	7.593057e-05	1.031889e-04	1.484784e-05
P85	0	1.310392e-06	2.729930e-06	4.825999e-06	2.793172e-07
M_N	0	6.248277e-07	1.415793e-06	1.697983e-06	1.819950e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	7.319235e-10	1.462700e-09	2.557698e-09	1.888088e-10
E37-39	0	1.455077e-10	2.911062e-10	5.093893e-10	3.741360e-11
E37-39	0	4.201187e-09	8.395792e-09	1.468100e-08	1.083748e-09
E37-39	0	4.665629e-09	9.323947e-09	1.630398e-08	1.203557e-09
E37-39	0	1.124237e-08	2.246713e-08	3.928634e-08	2.900110e-09
E37-39	0	4.734397e-09	9.461375e-09	1.654429e-08	1.221296e-09
E37-39	0	3.802339e-09	7.598721e-09	1.328723e-08	9.808607e-10
E37-39	0	3.907627e-09	7.809130e-09	1.365515e-08	1.008021e-09
E37-39	0	1.631973e-09	3.261390e-09	5.702911e-09	4.209878e-10
E37-39	0	1.958912e-09	3.914754e-09	6.845393e-09	5.053257e-10
R_S	0	1.332825e-07	2.542170e-07	4.304194e-07	3.886858e-08
R_S	0	2.577443e-05	5.476815e-05	1.000141e-04	5.788572e-06

IN

C10-12	0	1.786073e-05	5.951524e-05	4.992427e-05	6.370363e-06
C13-15	0	2.314008e-03	6.080096e-03	9.441240e-03	3.481938e-04
C13-15	0	4.932972e-04	1.250307e-03	2.061829e-03	7.603420e-05
C13-15	0	9.314548e-03	2.226113e-02	4.312930e-02	1.289993e-03
C16	0	2.595315e-04	6.268716e-04	1.037551e-03	4.487782e-05
C16	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	9.850075e-07	2.805799e-06	2.536673e-06	2.209358e-07
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	1.496187e-04	3.952904e-04	4.522351e-04	3.238489e-05
C18	0	8.390578e-05	2.039603e-04	3.232226e-04	1.452625e-05
C19	0	5.518916e-04	1.853489e-03	5.590569e-04	1.621365e-04
C19	0	1.086426e-03	3.441805e-03	1.039272e-03	2.990944e-04
C24	0	4.194490e-08	1.408158e-07	4.269372e-08	1.231578e-08
C20-21	0	8.258587e-10	2.109274e-09	4.216556e-09	7.237103e-11
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	1.027789e-04	3.436808e-04	1.088727e-04	2.998819e-05
C20-21	0	2.294465e-03	7.682348e-03	2.401337e-03	6.707524e-04
C20-21	0	7.864505e-02	2.633692e-01	8.227693e-02	2.299104e-02
C22	0	5.639715e-03	1.503890e-02	1.779759e-02	1.108287e-03
C23	0	1.616857e-03	3.560358e-03	6.245660e-03	2.886956e-04
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	2.267815e-04	6.391712e-04	5.399484e-04	5.377283e-05
C23	0	1.965854e-06	5.845850e-06	3.904849e-06	4.986307e-07
C23	0	5.371097e-05	1.316534e-04	1.756861e-04	1.080967e-05
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	6.687529e-04	1.570014e-03	2.496507e-03	1.203445e-04
C24	0	1.656622e-04	4.019367e-04	5.275759e-04	2.973602e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.620951e-04	5.797040e-04	1.018929e-03	4.754357e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.509000e-04	3.342998e-04	5.927204e-04	2.860055e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.866824e-05	8.575277e-05	1.516754e-04	7.343126e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.337899e-04	7.386596e-04	1.298846e-03	6.066289e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.388182e-05	3.073073e-05	5.394850e-05	2.534922e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.655420e-04	8.205305e-04	1.403760e-03	6.446083e-05
C25_33	0	2.175233e-03	4.812500e-03	8.504269e-03	3.568524e-04
C25	0	1.650791e-03	3.720902e-03	6.231098e-03	3.271939e-04
C26	0	1.074214e-05	2.465549e-05	4.693899e-05	1.797182e-06
C27	0	2.128447e-02	4.651070e-02	8.461302e-02	4.025606e-03
C27	0	1.278840e-03	2.790715e-03	5.093939e-03	2.418157e-04
C28_32	0	9.257761e-04	2.311331e-03	3.725070e-03	1.568956e-04
C29	0	5.155513e-04	1.158292e-03	2.094323e-03	8.917271e-05
C30	0	1.562321e-04	3.466670e-04	6.280680e-04	2.693322e-05
C31	0	3.866213e-03	9.293838e-03	1.592390e-02	6.525931e-04

E37-39	0	6.967619e-07	1.949501e-06	1.870597e-06	1.590987e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
F	0	1.824512e-07	4.216600e-07	5.333092e-07	4.530506e-08
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	9.422855e-06	1.510539e-05	2.266354e-05	3.986533e-06
G47	0	1.084360e-05	1.981090e-05	3.255841e-05	3.508626e-06
G46	0	3.919495e-04	5.903444e-04	8.429239e-04	1.832820e-04
G47	0	5.128068e-06	7.556194e-06	1.056127e-05	2.464790e-06
I	0	1.814024e-04	3.817501e-04	6.913593e-04	4.074861e-05
H49	0	9.468746e-05	1.382402e-04	1.932213e-04	4.747102e-05
H49	0	6.324868e-04	9.559996e-04	1.380567e-03	3.033250e-04
H49	0	7.555670e-07	1.101050e-06	1.536172e-06	3.796652e-07
H50	0	4.505420e-04	6.565525e-04	9.160143e-04	2.263931e-04
H50	0	7.912991e-07	1.153121e-06	1.608821e-06	3.976203e-07
H51	0	8.636579e-05	1.660256e-04	2.866136e-04	2.660036e-05
H52	0	2.510088e-04	4.069040e-04	6.239488e-04	1.089000e-04
H53	0	1.963598e-04	4.096728e-04	7.295896e-04	4.207629e-05
K64	0	1.503767e-06	3.168356e-06	5.748060e-06	3.400634e-07
K65	0	1.127517e-04	2.287225e-04	3.989151e-04	2.635971e-05
K66	0	4.244959e-07	1.340070e-06	5.346547e-06	2.907709e-07
L68	0	1.545379e-05	3.234281e-05	5.799578e-05	3.367579e-06
M_N	0	7.541007e-07	1.560730e-06	2.720492e-06	1.549526e-07
J62_63	0	7.357604e-07	1.553571e-06	2.826408e-06	1.684490e-07
M_N	0	4.029985e-06	8.500723e-06	1.544603e-05	9.172994e-07
M_N	0	5.798126e-03	1.198621e-02	2.081894e-02	1.184339e-03
O84	0	6.635361e-07	1.400760e-06	2.547738e-06	1.517224e-07
P85	0	2.611082e-09	5.508018e-09	1.000887e-08	5.945051e-10
M_N	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	5.068403e-09	1.084300e-08	1.986344e-08	1.101117e-09
	E37-39	0	2.537920e-09	5.434220e-09	9.959958e-09	5.496709e-10
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0	4.179536e-10	8.828500e-10	1.606860e-09	9.589620e-11
	R_S	0	3.931318e-08	8.353665e-08	1.525493e-07	8.829181e-09
	R_S	0	2.778750e-08	5.868587e-08	1.067924e-07	6.369327e-09
	T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
MX	A01	0	7.776580e-12	1.797233e-11	2.273113e-11	1.931029e-12
	A01	0	1.045179e-10	2.415495e-10	3.055082e-10	2.595318e-11
	A01	0	1.950844e-09	1.570240e-04	5.702364e-09	4.844206e-10
	A01	0	1.335202e-09	3.085763e-09	8.584324e-02	3.315484e-10
	A01	0	7.005919e-11	1.619127e-10	2.047847e-10	4.351407e-04
	A01	0	2.693729e-10	6.225434e-10	7.873836e-10	6.688889e-11
	A01	0	3.040864e-11	7.027691e-11	8.88518e-11	7.550870e-12
	A01	0	4.590120e-10	1.060815e-09	1.341703e-09	1.139788e-10
	A01	0	3.172413e-12	6.639456e-12	1.190560e-11	6.913095e-13
	A01	0	1.252448e-12	2.621214e-12	4.700251e-12	2.729244e-13
	A01	0	9.790233e-12	2.048971e-11	3.674129e-11	2.133417e-12
	A01	0	8.566232e-13	1.792803e-12	3.214779e-12	1.866692e-13
	A01	0	8.544940e-15	1.788347e-14	3.206789e-14	1.862052e-15
	A01	0	2.681367e-12	5.611759e-12	1.006277e-11	5.843042e-13
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	0.000000e+00	0.000000e+00	2.145554e-08	0.000000e+00
	A03	0	6.027332e-07	8.783422e-07	1.225465e-06	3.028636e-07
	B_nongas	0	5.327486e-14	1.114975e-13	1.999326e-13	1.160927e-14
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	6.048739e-13	1.265924e-12	2.270002e-12	1.318098e-13
	B_nongas	0	5.795639e-10	1.226621e-09	2.123043e-09	1.281985e-10

B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	5.582511e-10	1.181513e-09	2.044970e-09	1.234841e-10
B_nongas	0	1.569432e-12	3.321631e-12	5.749100e-12	3.471555e-13
B_nongas	0	4.572743e-13	9.678002e-13	1.675075e-12	1.011482e-13
B_nongas	0	1.182196e-13	2.474186e-13	4.436607e-13	2.576157e-14
B_nongas	0	4.778775e-13	1.000137e-12	1.793403e-12	1.041356e-13
B_nongas	0	2.973063e-14	6.222241e-14	1.115746e-13	6.478684e-15
C10-12	0	2.354588e-05	6.736022e-05	2.098246e-04	5.634760e-06
C10-12	0	2.191473e-05	6.721207e-05	1.508711e-04	5.855955e-06
C10-12	0	1.472778e-07	4.532973e-07	1.022067e-06	4.083035e-08
C10-12	0	1.997922e-05	4.793669e-05	9.344904e-05	2.805252e-06
C10-12	0	3.614186e-07	1.006801e-06	2.157146e-06	8.429890e-08
C10-12	0	8.508789e-06	2.784955e-05	6.437808e-05	2.624962e-06
C10-12	0	1.778864e-08	4.790947e-08	1.007022e-07	4.541138e-09
C10-12	0	9.395171e-07	2.536811e-06	5.338704e-06	2.010102e-07
C10-12	0	1.041644e-05	3.077445e-05	2.558452e-05	2.420481e-06
C10-12	0	1.477416e-06	3.211374e-06	5.668882e-06	2.765429e-07
C10-12	0	4.637624e-06	1.180752e-05	2.396503e-05	8.307187e-07
C10-12	0	1.748536e-07	2.313081e-07	5.468416e-05	2.059894e-06
C13-15	0	5.970799e-05	1.459065e-04	2.858758e-04	7.089854e-06
C13-15	0	1.390524e-05	3.257423e-05	6.124338e-05	2.116290e-06
C13-15	0	5.703070e-03	1.362599e-02	2.648332e-02	7.875199e-04
C16	0	2.510304e-05	5.849003e-05	1.113809e-04	3.723842e-06
C16	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	7.823588e-09	2.005656e-08	2.845361e-08	1.482090e-09
C17	0	3.084004e-07	7.906462e-07	1.121600e-06	5.842230e-08
C17	0	3.204396e-05	7.663153e-05	1.224089e-04	6.181198e-06
C18	0	1.474486e-05	3.160915e-05	5.560300e-05	2.850238e-06
C19	0	3.171071e-07	1.055917e-06	3.291253e-07	9.395401e-08
C19	0	7.411217e-05	1.891540e-04	4.433180e-05	1.625724e-05
C24	0	8.415383e-10	2.800508e-09	9.074796e-10	2.464197e-10
C20-21	0	8.243241e-06	1.879555e-05	3.713095e-05	1.379148e-06
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	2.030310e-09	3.963538e-09	6.795993e-09	5.905607e-10
C20-21	0	5.582875e-07	1.284284e-06	2.419465e-06	9.101394e-08
C20-21	0	2.165799e-02	7.250509e-02	2.210403e-02	6.392405e-03
C22	0	4.041967e-04	9.732200e-04	1.597796e-03	6.727252e-05
C23	0	2.933384e-04	6.382282e-04	1.149341e-03	5.166035e-05
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	2.283491e-06	5.324642e-06	9.329072e-06	3.912612e-07
C23	0	1.641892e-07	3.719846e-07	6.417948e-07	3.288761e-08
C23	0	1.324125e-06	3.107220e-06	5.419306e-06	2.280497e-07
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	1.735004e-05	3.842439e-05	6.967349e-05	2.887139e-06
C24	0	1.300564e-05	3.283738e-05	4.034131e-05	2.826698e-06
C24	0	9.982798e-06	2.521152e-05	3.093710e-05	2.164985e-06
C24	0	1.064821e-05	2.922376e-05	2.726037e-05	2.539333e-06

C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	6.242267e-08	1.586265e-07	1.924496e-07	1.387489e-08
C24	0	2.597663e-06	6.614589e-06	7.915069e-06	5.726825e-07
C24	0	4.048108e-06	1.029114e-05	1.250307e-05	9.029738e-07
C24	0	8.466678e-07	2.152108e-06	2.593440e-06	1.864120e-07
C24	0	1.359374e-05	3.456088e-05	4.190363e-05	3.024286e-06
C24	0	4.385885e-07	1.117481e-06	1.332966e-06	9.682817e-08
C24	0	3.730655e-07	9.479308e-07	1.143141e-06	8.212701e-08
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.216398e-06	8.173023e-06	9.971139e-06	7.209655e-07
C25_33	0	3.089324e-04	6.801719e-04	1.185571e-03	4.828237e-05
C25	0	1.091786e-04	2.604406e-04	3.738914e-04	2.281285e-05
C26	0	8.511349e-04	1.931032e-03	3.593657e-03	1.489232e-04
C27	0	6.538460e-03	1.427368e-02	2.604453e-02	1.235718e-03
C27	0	9.324918e-04	2.065946e-03	3.709482e-03	1.748492e-04
C28_32	0	1.272725e-03	2.971860e-03	5.657238e-03	1.972851e-04
C29	0	7.693458e-04	1.707141e-03	3.064738e-03	1.440804e-04
C30	0	4.214460e-05	9.488063e-05	1.727067e-04	7.495432e-06
C31	0	1.785013e-03	4.138987e-03	7.785620e-03	2.877414e-04
E37-39	0	1.917766e-06	4.444703e-06	7.654536e-06	3.666136e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	6.071842e-12	1.270759e-11	2.278672e-11	1.323132e-12
D35	0	1.049370e-11	2.196197e-11	3.938128e-11	2.286711e-12
D35	0	2.787662e-13	5.834222e-13	1.046168e-12	6.074673e-14
D35	0	2.120633e-11	4.438213e-11	7.958419e-11	4.621130e-12
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	2.004553e-14	4.195274e-14	7.522790e-14	4.368178e-15
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	4.879382e-13	1.021192e-12	1.831159e-12	1.063280e-13
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	2.958253e-11	6.191246e-11	1.110188e-10	6.446412e-12
D35	0	6.426804e-11	1.345048e-10	2.411884e-10	1.400483e-11
D35	0	6.159140e-09	1.498887e-08	1.940706e-08	1.453793e-09
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0	2.720258e-08	6.620733e-08	8.568934e-08	6.424010e-09
F	0	2.544459e-07	5.894354e-07	7.472602e-07	6.307889e-08
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	4.842601e-06	8.333745e-06	1.311436e-05	1.782358e-06
G47	0	4.329472e-06	7.910904e-06	1.300215e-05	1.400333e-06
G46	0	1.820352e-04	2.802008e-04	4.070240e-04	8.231720e-05
G47	0	4.789617e-06	8.611913e-06	1.389264e-05	1.584142e-06
I	0	1.299491e-04	2.734188e-04	4.950242e-04	2.918207e-05
H49	0	2.467076e-05	3.602483e-05	5.036005e-05	1.236545e-05
H49	0	1.658706e-04	2.509070e-04	3.622703e-04	7.949458e-05
H49	0	1.992451e-07	2.903500e-07	4.050928e-07	1.001187e-07

	H50	0	1.286943e-04	1.875664e-04	2.617216e-04	6.465477e-05
	H50	0	2.601046e-07	3.822738e-07	5.371484e-07	1.291306e-07
	H51	0	4.276468e-05	8.214762e-05	1.417051e-04	1.320093e-05
	H52	0	6.166135e-05	9.996753e-05	1.533019e-04	2.674723e-05
	H53	0	4.236819e-07	8.354825e-07	1.435934e-06	1.127529e-07
	K64	0	2.056980e-06	4.333945e-06	7.862681e-06	4.651674e-07
	K65	0	9.191427e-08	1.864528e-07	3.251924e-07	2.148823e-08
	K66	0	2.254008e-07	7.115563e-07	2.838934e-06	1.543948e-07
	L68	0	6.801079e-06	1.422259e-05	2.546817e-05	1.480475e-06
	M_N	0	9.203290e-07	1.863440e-06	3.214236e-06	2.091956e-07
	J62_63	0	4.542650e-06	9.577085e-06	1.736902e-05	1.032564e-06
	M_N	0	7.709608e-09	1.259545e-08	1.935536e-08	3.212790e-09
	M_N	0	7.178300e-04	1.483954e-03	2.577438e-03	1.466302e-04
	O84	0	6.788908e-07	1.433174e-06	2.606694e-06	1.552334e-07
	P85	0	2.367587e-07	4.887456e-07	8.488197e-07	4.886224e-08
	M_N	0	1.943653e-07	3.971572e-07	6.877376e-07	4.241691e-08
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	1.385466e-08	2.538085e-08	4.237144e-08	4.683677e-09
	E37-39	0	1.498370e-08	2.502117e-08	3.901590e-08	6.020462e-09
	E37-39	0	2.306265e-08	3.681310e-08	5.530798e-08	9.932221e-09
	E37-39	0	1.149332e-08	1.941301e-08	3.055108e-08	4.530375e-09
	E37-39	0	1.997019e-08	3.844272e-08	6.627033e-08	3.107432e-09
	E37-39	0	6.925460e-09	2.018642e-06	4.559293e-07	3.166595e-09
	E37-39	0	1.150474e-08	2.276825e-08	3.991724e-08	1.328955e-09
	E37-39	0	1.184666e-08	2.318122e-08	4.036955e-08	3.422462e-09
	R_S	0	1.916429e-08	3.768453e-08	6.491255e-08	5.101233e-09
	R_S	0	5.082538e-06	1.050669e-05	1.825714e-05	1.040960e-06
	R_S	0	2.131494e-06	6.839654e-06	3.091914e-06	5.941195e-07
	T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
RU	A01	0	2.120401e-07	6.733376e-07	2.566064e-07	6.567973e-08
	A01	0	6.050463e-04	1.333120e-04	6.504858e-05	1.514098e-05
	A01	0	2.232007e-05	3.753633e-04	3.872232e-05	6.938447e-06
	A01	0	1.343002e-04	4.258757e-04	3.263168e-02	4.139681e-05
	A01	0	1.729908e-05	5.207947e-05	2.346079e-05	3.093041e-04
	A01	0	1.128286e-05	3.300205e-05	1.861674e-05	3.473136e-06
	A01	0	4.685909e-07	1.506237e-06	5.577561e-07	1.399192e-07

A01	0	1.996239e-03	4.003474e-03	1.283185e-03	3.236613e-04
A01	0	1.317199e-04	3.756528e-05	4.388791e-04	1.139229e-04
A01	0	7.639736e-05	3.192232e-06	2.692235e-04	6.950881e-05
A01	0	2.474851e-04	5.069805e-04	4.961001e-04	1.329798e-04
A01	0	1.010246e-04	2.005784e-04	7.479177e-05	1.780617e-05
A01	0	3.181640e-05	6.368211e-05	2.225370e-05	5.267187e-06
A01	0	1.329275e-04	1.663641e-04	3.477340e-04	9.045909e-05
A01	0	1.994003e-06	7.288667e-07	6.494858e-06	1.683186e-06
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0	1.088149e-04	2.256281e-04	3.298164e-04	3.277249e-05
A03	0	2.479061e-06	4.099238e-06	5.631261e-06	1.109441e-06
B_nongas	0	8.133029e-05	1.062410e-04	1.904704e-04	4.717191e-05
B_nongas	0	3.635074e-04	6.226384e-04	5.072466e-04	1.219106e-04
B_gas	0	1.369506e-03	2.798572e-03	1.015095e-03	3.177101e-04
B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	5.919424e-05	6.450563e-05	1.648118e-04	4.168745e-05
B_nongas	0	1.350303e-05	1.476315e-05	3.727921e-05	9.475412e-06
B_nongas	0	2.296538e-04	4.216577e-04	4.932759e-04	1.240134e-04
B_nongas	0	1.608592e-07	1.737654e-07	4.491036e-07	1.140648e-07
B_nongas	0	9.318929e-07	1.054820e-06	2.575425e-06	6.363420e-07
B_nongas	0	5.465117e-04	1.245720e-03	1.039461e-03	2.623535e-04
B_nongas	0	4.443772e-06	5.082909e-06	1.197942e-05	2.999825e-06
B_nongas	0	1.961081e-06	2.769798e-06	5.263905e-06	1.062521e-06
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	1.067916e-04	1.647479e-04	2.574296e-04	6.512949e-05
B_nongas	0	3.160719e-04	6.091613e-04	1.184623e-03	1.002356e-04
C10-12	0	1.968231e-07	2.508250e-07	5.665393e-07	1.208309e-07
C10-12	0	4.800951e-07	5.963883e-07	1.409401e-06	3.031921e-07
C10-12	0	2.095095e-06	2.592508e-06	6.209702e-06	1.329776e-06
C10-12	0	6.211147e-06	7.711402e-06	1.832131e-05	3.928500e-06
C10-12	0	4.265110e-05	5.911958e-05	1.367851e-04	2.421492e-05
C10-12	0	1.701542e-04	2.862443e-04	4.955294e-04	8.688784e-05
C10-12	0	3.847396e-07	5.317490e-07	1.208498e-06	2.192621e-07
C10-12	0	2.450929e-05	3.396625e-05	7.647227e-05	1.390924e-05
C10-12	0	1.008676e-04	2.040584e-04	2.857105e-04	4.157756e-05
C10-12	0	4.089980e-05	5.840356e-05	1.153009e-04	2.202512e-05
C10-12	0	1.414450e-04	2.015389e-04	4.054297e-04	7.655776e-05
C10-12	0	1.681865e-05	2.365552e-05	6.794944e-05	9.961414e-06
C13-15	0	1.042049e-04	1.733872e-04	3.772829e-04	4.751099e-05
C13-15	0	2.071370e-05	2.488818e-05	5.749523e-05	1.345852e-05
C13-15	0	1.342897e-03	3.167251e-03	6.171589e-03	2.032361e-04
C16	0	2.033917e-03	4.451853e-03	8.276924e-03	3.828820e-04
C16	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	4.876044e-05	5.614800e-05	1.349587e-04	3.284097e-05
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	6.593094e-04	1.347178e-03	2.534767e-03	1.719895e-04
C18	0	1.768648e-05	2.220067e-05	4.980405e-05	1.103056e-05

C19	0	1.647634e-04	3.569594e-04	3.153001e-04	8.012070e-05
C19	0	2.125270e-02	4.358000e-02	1.149761e-02	3.730486e-03
C24	0	1.796546e-04	4.082947e-04	3.319254e-04	8.789190e-05
C20-21	0	3.247716e-05	6.294970e-05	2.573464e-05	6.748933e-06
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	2.008894e-06	3.925343e-06	1.985508e-06	4.115920e-07
C20-21	0	5.393028e-02	9.062175e-04	1.897559e-01	4.939352e-02
C20-21	0	3.754234e-02	1.257827e-01	3.796614e-02	1.100516e-02
C22	0	8.682128e-04	1.975097e-03	3.552026e-03	1.277016e-04
C23	0	3.744545e-04	7.305361e-04	1.377486e-03	1.065173e-04
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	5.153035e-05	5.662148e-05	1.435321e-04	3.604714e-05
C23	0	1.631476e-06	1.870883e-06	4.405463e-06	1.098930e-06
C23	0	1.465018e-04	3.255016e-04	2.907104e-04	6.874633e-05
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	1.417737e-04	2.519802e-04	5.013143e-04	5.291497e-05
C24	0	2.927612e-04	6.546666e-04	5.530073e-04	1.419785e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.753912e-04	4.006766e-04	3.315910e-04	8.454098e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.652016e-04	2.673496e-04	3.914205e-04	1.004215e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.191081e-05	1.302219e-05	3.303231e-05	8.363148e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.083504e-04	3.557385e-04	4.788634e-04	1.236040e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.091899e-04	1.886880e-04	2.497202e-04	6.393764e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.935093e-05	2.118667e-05	5.377765e-05	1.357498e-05
C25_33	0	1.208292e-03	2.624944e-03	3.566929e-03	3.602476e-04
C25	0	3.765348e-04	8.423663e-04	9.684728e-04	1.378545e-04
C26	0	3.300870e-05	7.293768e-05	1.405939e-04	6.793264e-06
C27	0	1.934255e-03	4.172614e-03	7.675661e-03	3.840864e-04
C27	0	1.061419e-05	1.197155e-05	2.998771e-05	7.293138e-06
C28_32	0	1.454790e-04	3.082816e-04	6.143142e-04	3.680912e-05
C29	0	5.454495e-05	6.270293e-05	1.549171e-04	3.691825e-05
C30	0	5.571650e-05	6.333053e-05	1.585802e-04	3.807474e-05
C31	0	2.190158e-03	5.005653e-03	9.480386e-03	3.900500e-04
E37-39	0	5.335455e-06	5.990153e-06	1.511333e-05	3.678333e-06
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	6.031522e-05	9.494892e-05	1.995866e-04	2.895938e-05
D35	0	1.416856e-04	2.206678e-04	4.440943e-04	6.831375e-05
D35	0	3.107298e-05	4.881925e-05	1.009635e-04	1.490583e-05
D35	0	2.990195e-05	4.726633e-05	1.006495e-04	1.429300e-05
D35	0	8.452721e-10	1.599647e-09	2.740074e-09	2.758229e-10
D35	0	7.771307e-06	1.226687e-05	2.609909e-05	3.728388e-06
D35	0	4.811752e-07	7.529338e-07	1.523725e-06	2.310276e-07
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	7.950481e-08	1.255202e-07	2.706676e-07	3.820907e-08
D35	0	1.727846e-06	2.701023e-06	5.435786e-06	8.307929e-07
D35	0	2.889354e-05	4.531200e-05	9.201732e-05	1.384886e-05
D35	0	5.932690e-05	9.290897e-05	1.873171e-04	2.845523e-05
D35	0	6.984683e-05	9.013072e-05	1.998308e-04	4.234702e-05
D35	0	3.814146e-05	5.968776e-05	1.214744e-04	1.833099e-05
E36	0	1.088425e-06	2.361348e-06	3.099048e-06	3.268152e-07
F	0	7.358572e-03	1.690329e-02	2.143414e-02	1.855886e-03
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	1.135716e-04	2.140750e-04	3.103248e-04	3.995284e-05
G47	0	2.397997e-05	4.386740e-05	6.624105e-05	8.386397e-06
G46	0	3.089483e-03	6.537468e-03	5.737679e-03	1.054243e-03
G47	0	2.956435e-04	6.203408e-04	7.318651e-04	1.055024e-04
I	0	5.833140e-04	1.227781e-03	2.206612e-03	1.322579e-04
H49	0	1.115998e-02	1.629552e-02	2.279071e-02	5.594339e-03
H49	0	7.679735e-03	1.161302e-02	1.680846e-02	3.681412e-03
H49	0	2.126764e-05	3.144007e-05	4.668839e-05	1.056412e-05
H50	0	9.524108e-03	1.392730e-02	1.925506e-02	4.756167e-03
H50	0	1.096689e-03	1.602072e-03	2.220178e-03	5.486452e-04
H51	0	6.514617e-04	1.252554e-03	2.163678e-03	2.005634e-04
H52	0	1.015159e-02	1.648430e-02	2.527607e-02	4.392750e-03
H53	0	8.193076e-04	1.884262e-03	2.647270e-03	1.911380e-04
K64	0	2.103319e-02	4.431580e-02	8.039811e-02	4.756467e-03
K65	0	2.067808e-04	4.194880e-04	7.316652e-04	4.833684e-05
K66	0	4.630765e-05	1.457880e-04	5.799355e-04	3.154500e-05
L68	0	1.928330e-05	4.061182e-05	7.036531e-05	4.346815e-06
M_N	0	6.599806e-03	1.365934e-02	2.380944e-02	1.356128e-03
J62_63	0	1.470581e-05	3.105158e-05	5.649206e-05	3.366829e-06
M_N	0	7.751405e-05	1.879747e-04	1.204494e-04	2.336022e-05
M_N	0	1.316552e-02	2.721650e-02	4.727253e-02	2.689220e-03
O84	0	3.797634e-04	9.333186e-04	4.757605e-04	1.043565e-04
P85	0	6.996363e-06	1.506663e-05	2.341189e-05	1.824473e-06
M_N	0	4.472027e-05	1.362511e-04	6.462077e-05	1.397540e-05
E37-39	0	8.543477e-08	1.489856e-07	2.108929e-07	4.288126e-08
E37-39	0	7.331113e-08	1.272026e-07	1.796906e-07	3.649301e-08
E37-39	0	1.492431e-08	2.640008e-08	4.004920e-08	6.070254e-09
E37-39	0	3.077023e-07	3.903040e-07	4.508289e-07	3.650068e-08
E37-39	0	1.941336e-08	3.565215e-08	5.448572e-08	8.449224e-09
E37-39	0	1.315265e-08	2.335204e-08	3.320520e-08	5.979604e-09
E37-39	0	2.006817e-08	3.371945e-08	1.001481e-07	9.955242e-09
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	3.804923e-07	6.670759e-07	8.967674e-07	1.619631e-07

AU	E37-39	0	6.611057e-07	1.242835e-06	1.663209e-06	2.549698e-07
	E37-39	0	3.487686e-05	6.223074e-05	8.737359e-05	1.376812e-05
	E37-39	0	1.796965e-05	3.226845e-05	4.637377e-05	7.072347e-06
	E37-39	0	6.701888e-06	1.174845e-05	1.706153e-05	2.624609e-06
	E37-39	0	2.293491e-05	5.456715e-05	5.930461e-05	9.834614e-06
	E37-39	0	4.039085e-06	7.058070e-06	9.785096e-06	1.689591e-06
	E37-39	0	5.220756e-06	9.090239e-06	1.218858e-05	2.201046e-06
	R_S	0	4.729639e-07	1.000875e-06	1.819726e-06	1.056417e-07
	R_S	0	2.333306e-05	5.070014e-05	8.679692e-05	5.315325e-06
	R_S	0	3.350532e-06	7.076162e-06	1.287670e-05	7.679940e-07
	T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	2.238812e-09	3.586325e-09	7.769851e-08	9.757797e-10
	A01	0	4.256172e-07	6.817908e-07	1.477114e-05	1.855040e-07
	A01	0	3.805461e-07	3.145822e-05	1.326184e-05	1.662464e-07
	A01	0	5.469523e-07	8.667696e-07	5.888737e-03	2.425977e-07
	A01	0	9.401429e-08	1.489869e-07	2.226966e-07	4.169953e-08
	A01	0	2.217928e-07	3.514849e-07	5.253753e-07	9.837391e-08
	A01	0	4.954482e-07	7.831890e-07	1.168416e-06	2.206095e-07
	A01	0	1.454988e-07	2.305758e-07	3.446508e-07	6.453522e-08
	A01	0	5.926184e-07	9.498587e-07	2.053054e-05	2.580298e-07
	A01	0	1.298123e-08	2.153096e-08	6.259814e-08	5.283591e-09
	A01	0	4.502797e-08	7.468438e-08	2.171340e-07	1.832718e-08
	A01	0	1.589486e-07	2.636356e-07	7.664821e-07	6.469487e-08
	A01	0	1.992337e-11	3.308986e-11	1.933883e-10	8.091633e-12
	A01	0	4.137309e-07	6.626850e-07	1.436155e-05	1.803406e-07
	A01	0	1.544411e-07	2.561593e-07	7.447461e-07	6.286023e-08
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	8.743044e-08	1.810045e-07	3.151592e-07	1.798166e-08
	A03	0	8.922058e-08	1.844646e-07	3.205114e-07	1.823625e-08
	B_nongas	0	1.607169e-05	3.235150e-05	5.549889e-05	3.716261e-06
	B_nongas	0	7.058992e-06	1.459345e-05	2.534749e-05	1.442152e-06
	B_gas	0	2.516370e-05	5.202239e-05	9.035823e-05	5.140968e-06
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	3.414158e-06	7.087606e-06	1.235323e-05	6.921614e-07
	B_nongas	0	1.118312e-05	2.311923e-05	4.015859e-05	2.284720e-06
	B_nongas	0	1.054648e-05	2.187398e-05	3.809580e-05	2.141776e-06
	B_nongas	0	2.515489e-07	5.229259e-07	9.124794e-07	5.086878e-08
	B_nongas	0	1.258385e-07	2.615961e-07	4.564720e-07	2.544734e-08
	B_nongas	0	1.372092e-05	2.846547e-05	4.958619e-05	2.784973e-06
	B_nongas	0	2.537434e-07	5.274879e-07	9.204398e-07	5.131255e-08
	B_nongas	0	2.667598e-07	5.515836e-07	9.577862e-07	5.450946e-08
	B_nongas	0	1.954100e-06	4.039753e-06	7.017000e-06	3.992104e-07
	B_nongas	0	2.791642e-05	6.237566e-05	1.161023e-04	4.855915e-06
	B_nongas	0	2.285953e-03	5.052628e-03	9.398142e-03	4.283803e-04
	C10-12	0	3.226509e-07	6.178643e-07	1.032460e-06	8.898627e-08
	C10-12	0	1.012928e-06	2.094065e-06	3.637542e-06	2.069486e-07

C10-12	0	7.281983e-07	1.505423e-06	2.614986e-06	1.487715e-07
C10-12	0	8.175997e-08	1.565669e-07	2.616251e-07	2.254926e-08
C10-12	0	1.022310e-07	2.113443e-07	3.671116e-07	2.088555e-08
C10-12	0	4.984219e-07	1.030435e-06	1.789888e-06	1.018399e-07
C10-12	0	1.801865e-07	3.474708e-07	5.827760e-07	4.857316e-08
C10-12	0	7.143400e-07	1.414087e-06	2.404208e-06	1.753722e-07
C10-12	0	2.773640e-06	5.734056e-06	9.960389e-06	5.666748e-07
C10-12	0	6.799079e-07	1.405609e-06	2.441687e-06	1.389155e-07
C10-12	0	8.634210e-08	1.785028e-07	3.100765e-07	1.764222e-08
C10-12	0	3.640214e-09	6.403888e-09	1.023036e-08	1.280003e-09
C13-15	0	4.770773e-05	1.170846e-04	2.300672e-04	5.522102e-06
C13-15	0	1.483694e-06	3.460227e-06	6.549274e-06	2.085802e-07
C13-15	0	5.889303e-06	1.404327e-05	2.725752e-05	8.188909e-07
C16	0	3.894717e-05	8.841866e-05	1.661877e-04	6.391954e-06
C16	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	6.358171e-09	1.134274e-08	1.820760e-08	2.144439e-09
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	4.543753e-05	9.822295e-05	1.805701e-04	9.312236e-06
C18	0	8.539638e-06	1.800107e-05	3.193958e-05	1.707606e-06
C19	0	1.094750e-08	2.059700e-08	3.408891e-08	3.191521e-09
C19	0	1.038193e-04	2.072468e-04	6.697339e-05	1.704806e-05
C24	0	4.547618e-08	8.556110e-08	1.416059e-07	1.325759e-08
C20-21	0	1.184887e-07	2.152241e-07	3.424335e-07	3.875275e-08
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	4.028017e-10	7.249597e-10	1.169857e-09	1.328605e-10
C20-21	0	1.637576e-03	1.817614e-07	5.802569e-03	1.510116e-03
C20-21	0	4.592914e-03	1.542467e-02	4.663133e-03	1.349225e-03
C22	0	1.024218e-04	2.343528e-04	4.362017e-04	1.491915e-05
C23	0	3.636286e-05	7.894535e-05	1.421072e-04	6.429046e-06
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	6.865592e-07	1.500870e-06	2.709808e-06	1.179175e-07
C23	0	3.937609e-08	8.140307e-08	1.413991e-07	8.044427e-09
C23	0	2.373851e-06	4.914324e-06	8.544430e-06	4.830417e-07
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	8.979525e-06	1.981489e-05	3.598011e-05	1.489405e-06
C24	0	6.322018e-06	1.352042e-05	2.320149e-05	1.063853e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.434175e-05	7.825626e-05	1.475640e-04	5.615519e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	4.962842e-06	1.119854e-05	2.097642e-05	8.401793e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.598076e-06	3.606023e-06	6.754581e-06	2.705447e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	4.174058e-06	9.326893e-06	1.733396e-05	7.236000e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	4.355802e-06	9.828769e-06	1.841065e-05	7.374110e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.236984e-07	7.304181e-07	1.368175e-06	5.480019e-08

C25_33	0	1.990803e-04	4.378099e-04	7.602063e-04	2.967324e-05
C25	0	1.116606e-04	2.707898e-04	3.533158e-04	2.625086e-05
C26	0	2.912790e-05	6.673472e-05	1.269078e-04	4.898306e-06
C27	0	2.436484e-03	5.304808e-03	9.720388e-03	4.604660e-04
C27	0	7.727262e-07	1.597492e-06	2.774965e-06	1.578762e-07
C28_32	0	1.597488e-04	3.766302e-04	7.270751e-04	2.359698e-05
C29	0	4.445503e-06	9.298418e-06	1.637771e-05	9.025079e-07
C30	0	2.444469e-06	5.054119e-06	8.781580e-06	4.997141e-07
C31	0	5.137752e-04	1.191729e-03	2.277654e-03	7.996986e-05
E37-39	0	2.659315e-08	4.179084e-08	6.164917e-08	1.162061e-08
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	9.081324e-07	1.878549e-06	3.260300e-06	1.858292e-07
D35	0	1.350874e-07	2.794017e-07	4.850836e-07	2.763581e-08
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	6.249207e-08	1.292618e-07	2.243765e-07	1.278612e-08
D35	0	1.154057e-08	2.387113e-08	4.143621e-08	2.361247e-09
D35	0	1.183770e-08	2.448571e-08	4.250302e-08	2.422040e-09
D35	0	1.345116e-08	2.782308e-08	4.829613e-08	2.752161e-09
D35	0	4.349481e-10	8.996693e-10	1.561673e-09	8.899210e-11
D35	0	1.759462e-11	3.639201e-11	6.316363e-11	3.599019e-12
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	2.069556e-09	4.280778e-09	7.430702e-09	4.234394e-10
D35	0	1.740474e-07	3.607695e-07	6.226103e-07	3.573964e-08
D35	0	1.434337e-06	2.969317e-06	5.139970e-06	2.937853e-07
D35	0	3.296720e-09	7.562104e-09	9.862270e-09	8.111879e-10
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0	2.914754e-07	6.028670e-07	1.046269e-06	5.961584e-08
F	0	7.277149e-05	1.496009e-04	2.581003e-04	1.540492e-05
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	8.644513e-05	2.249500e-04	2.359699e-04	2.230153e-05
G47	0	5.295445e-06	1.042510e-05	1.569513e-05	1.640707e-06
G46	0	4.554708e-03	9.763884e-03	1.307114e-02	1.689865e-03
G47	0	1.240917e-04	3.265856e-04	3.393010e-04	3.145172e-05
I	0	9.222201e-04	1.940745e-03	3.514701e-03	2.071538e-04
H49	0	1.984619e-04	2.905471e-04	4.070277e-04	9.910633e-05
H49	0	1.201866e-03	1.819775e-03	2.631583e-03	5.748825e-04
H49	0	1.031308e-06	1.504550e-06	2.101102e-06	5.174098e-07
H50	0	5.620406e-04	8.190433e-04	1.142731e-03	2.824155e-04
H50	0	1.619932e-06	2.361410e-06	3.295511e-06	8.136295e-07
H51	0	2.275878e-04	4.362953e-04	7.511436e-04	7.033602e-05
H52	0	5.211673e-04	8.453394e-04	1.296744e-03	2.258665e-04
H53	0	7.746851e-05	1.615103e-04	2.870703e-04	1.653936e-05
K64	0	1.942552e-05	4.048841e-05	7.176288e-05	4.146647e-06
K65	0	2.025036e-06	4.180406e-06	7.305384e-06	4.275656e-07
K66	0	6.863765e-06	1.484634e-05	3.007065e-05	1.692207e-06
L68	0	2.090686e-05	4.375248e-05	7.844181e-05	4.554317e-06
M_N	0	3.779060e-06	7.819524e-06	1.362025e-05	7.755929e-07

J62_63	0	8.546997e-06	1.771514e-05	3.095410e-05	1.771366e-06
M_N	0	1.117404e-06	2.356984e-06	4.282571e-06	2.543234e-07
M_N	0	2.084250e-03	4.308681e-03	7.483787e-03	4.257348e-04
O84	0	9.641160e-06	1.997487e-05	3.486869e-05	1.993899e-06
P85	0	8.626841e-06	1.783517e-05	3.098313e-05	1.762848e-06
M_N	0	2.241691e-06	4.634877e-06	8.053493e-06	4.582879e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	3.718295e-07	7.701984e-07	1.342235e-06	7.193456e-08
E37-39	0	7.737502e-08	1.626756e-07	2.903108e-07	8.016523e-09
E37-39	0	3.006423e-08	6.247076e-08	1.094062e-07	6.197717e-09
E37-39	0	3.614362e-08	7.716734e-08	1.408377e-07	7.792014e-09
E37-39	0	2.603869e-10	5.386144e-10	9.368192e-10	5.336715e-11
E37-39	0	5.590897e-08	1.174173e-07	2.089375e-07	1.175386e-08
E37-39	0	4.953440e-07	1.025372e-06	1.782478e-06	1.014507e-07
E37-39	0	1.938738e-08	4.069195e-08	7.253163e-08	4.109941e-09
E37-39	0	1.397454e-07	2.896913e-07	5.055327e-07	2.872083e-08
E37-39	0	6.844838e-08	1.444893e-07	2.602007e-07	4.190159e-09
E37-39	0	8.659544e-08	7.488176e-06	1.914940e-06	1.770206e-08
E37-39	0	4.719519e-08	9.957048e-08	1.790372e-07	3.250572e-09
E37-39	0	2.953373e-08	6.262763e-08	1.133682e-07	6.364286e-09
R_S	0	6.929025e-08	1.433420e-07	2.493670e-07	1.420995e-08
R_S	0	6.567526e-05	1.389726e-04	2.522713e-04	1.461955e-05
R_S	0	2.408811e-07	5.041196e-07	8.997034e-07	5.264007e-08
T	0	2.019878e-08	4.175732e-08	7.253362e-08	4.126548e-09
U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CH A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	1.595800e-07	3.265580e-07	5.625764e-07	3.253235e-08
A01	0	9.669861e-08	5.514654e-04	3.408970e-07	1.971320e-08
A01	0	7.006996e-07	1.433205e-06	6.521922e-02	1.427992e-07
A01	0	3.452775e-08	7.065788e-08	1.217230e-07	2.219678e-04
A01	0	1.158498e-07	2.370703e-07	4.084118e-07	2.361741e-08
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	1.678496e-07	3.434806e-07	5.917296e-07	3.421821e-08
A01	0	1.128532e-06	2.309363e-06	3.978417e-06	2.300649e-07
A01	0	8.088955e-07	1.655291e-06	2.851645e-06	1.649033e-07
A01	0	8.902407e-07	1.821752e-06	3.138416e-06	1.814866e-07
A01	0	6.263189e-08	1.281674e-07	2.207997e-07	1.276828e-08
A01	0	3.886702e-08	7.952966e-08	1.370186e-07	7.923577e-09
A01	0	1.631800e-06	3.339250e-06	5.752678e-06	3.326626e-07
A01	0	9.473054e-12	1.630097e-11	2.605599e-11	3.631213e-12
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

A02	0	0.000000e+00	0.000000e+00	4.592990e-05	0.000000e+00
A03	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0	4.354593e-07	9.537835e-07	1.724038e-06	7.482804e-08
B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	5.799603e-05	1.312637e-04	2.467722e-04	9.769966e-06
B_nongas	0	1.390252e-05	3.029807e-05	5.488029e-05	2.519127e-06
B_nongas	0	1.440701e-03	3.183947e-03	5.921044e-03	2.699462e-04
C10-12	0	3.796258e-06	7.830152e-06	1.357357e-05	7.875071e-07
C10-12	0	8.690472e-06	1.792494e-05	3.107290e-05	1.802777e-06
C10-12	0	6.857337e-06	1.414392e-05	2.451850e-05	1.422506e-06
C10-12	0	9.890441e-06	2.039999e-05	3.536340e-05	2.051704e-06
C10-12	0	4.792658e-05	9.885301e-05	1.713616e-04	9.942000e-06
C10-12	0	8.998807e-04	1.856333e-03	3.215928e-03	1.870576e-04
C10-12	0	2.025486e-06	4.177762e-06	7.242153e-06	4.201732e-07
C10-12	0	4.667563e-05	9.627300e-05	1.668893e-04	9.682538e-06
C10-12	0	1.145358e-03	2.363806e-03	4.097497e-03	2.372525e-04
C10-12	0	1.834911e-04	3.782072e-04	6.552290e-04	3.824117e-05
C10-12	0	4.748353e-06	9.793939e-06	1.697780e-05	9.850133e-07
C10-12	0	2.457444e-04	5.067712e-04	8.932716e-04	5.157479e-05
C13-15	0	3.855966e-03	9.861079e-03	1.678734e-02	5.292053e-04
C13-15	0	1.062227e-05	2.587556e-05	5.032315e-05	1.242447e-06
C13-15	0	5.682783e-04	1.357572e-03	2.638427e-03	7.854796e-05
C16	0	2.290307e-03	5.103289e-03	9.438628e-03	3.894726e-04
C16	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	2.223518e-07	4.309087e-07	7.273227e-07	6.008570e-08
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	7.175077e-03	1.552411e-02	2.856972e-02	1.470720e-03
C18	0	1.072819e-04	2.368444e-04	4.446629e-04	1.926683e-05
C19	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	0	5.666363e-02	1.130896e-01	2.534305e-02	9.254911e-03
C24	0	9.648729e-07	2.024466e-06	3.567663e-06	2.016607e-07
C20-21	0	1.408624e-05	3.036690e-05	5.087781e-05	2.842500e-06
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	7.234049e-08	1.495353e-07	2.597200e-07	1.478169e-08
C20-21	0	2.073876e-02	5.951787e-06	7.348713e-02	1.912329e-02
C20-21	0	1.646496e+00	5.531161e+00	1.668451e+00	4.837938e-01
C22	0	2.474480e-02	5.666843e-02	1.055021e-01	3.588051e-03
C23	0	8.150099e-03	1.771147e-02	3.190430e-02	1.436787e-03

C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	7.779234e-05	1.707621e-04	3.093780e-04	1.328460e-05
C23	0	8.722212e-06	1.926462e-05	3.510639e-05	1.468025e-06
C23	0	4.937160e-05	1.063263e-04	1.910822e-04	9.467974e-06
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	1.015318e-03	2.243556e-03	4.078171e-03	1.679001e-04
C24	0	3.472691e-06	7.269779e-06	1.056269e-05	9.887244e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.926878e-05	4.033753e-05	5.860875e-05	5.486094e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.847395e-06	5.960776e-06	8.660760e-06	8.106938e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.504628e-07	5.243224e-07	7.618187e-07	7.131034e-08
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.150870e-06	2.409248e-06	3.500537e-06	3.276691e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.208782e-07	4.623895e-07	6.718327e-07	6.288716e-08
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	9.942718e-07	2.081423e-06	3.024220e-06	2.830833e-07
C25_33	0	3.151340e-02	6.882711e-02	1.173439e-01	4.587439e-03
C25	0	7.631990e-03	1.942589e-02	2.191684e-02	1.851266e-03
C26	0	2.506650e-03	5.755039e-03	1.095310e-02	4.186066e-04
C27	0	1.096912e-01	2.389284e-01	4.378759e-01	2.069949e-02
C27	0	4.769573e-03	1.037232e-02	1.897213e-02	9.025983e-04
C28_32	0	1.798597e-02	4.244336e-02	8.199109e-02	2.651657e-03
C29	0	7.332133e-05	1.607503e-04	2.983150e-04	1.446907e-05
C30	0	3.165518e-05	5.290843e-05	8.069065e-05	1.263718e-05
C31	0	2.313501e-02	5.366959e-02	1.025826e-01	3.599523e-03
E37-39	0	1.653824e-05	3.346644e-05	5.766986e-05	3.497885e-06
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	3.212975e-07	6.631017e-07	1.119709e-06	7.029352e-08
D35	0	1.253729e-05	2.587638e-05	4.369583e-05	2.742152e-06
D35	0	1.581759e-05	3.264677e-05	5.512857e-05	3.459619e-06
D35	0	5.264727e-08	8.490853e-08	1.276682e-07	2.280774e-08
D35	0	1.041038e-07	2.149791e-07	3.633677e-07	2.253977e-08
D35	0	1.072767e-06	2.214142e-06	3.738883e-06	2.346353e-07
D35	0	1.385948e-08	2.862884e-08	4.836050e-08	2.946813e-09
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	1.435645e-05	2.963105e-05	5.003610e-05	3.140039e-06
D35	0	3.426967e-05	7.073101e-05	1.194390e-04	7.495451e-06
D35	0	2.855573e-06	5.893770e-06	9.952441e-06	6.245700e-07
D35	0	1.579284e-07	3.166007e-07	5.324939e-07	3.800948e-08
E36	0	7.803750e-05	1.603043e-04	2.737142e-04	1.697715e-05
F	0	5.453763e-03	1.246984e-02	1.681950e-02	1.308582e-03

F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	2.478497e-04	4.542676e-04	7.456559e-04	8.077890e-05
G47	0	9.228740e-05	1.698424e-04	2.802349e-04	2.940191e-05
G46	0	2.343768e-02	6.508554e-02	4.138333e-02	7.053701e-03
G47	0	1.898834e-02	5.550063e-02	3.266325e-02	5.357934e-03
I	0	3.870450e-03	8.055632e-03	1.451608e-02	9.004599e-04
H49	0	2.556848e-02	3.739104e-02	5.233715e-02	1.278974e-02
H49	0	3.179082e-02	4.818402e-02	6.973010e-02	1.518385e-02
H49	0	4.558183e-05	7.854101e-05	1.238695e-04	1.740114e-05
H50	0	3.384309e-03	4.993826e-03	7.042401e-03	1.671797e-03
H50	0	2.075972e-04	3.079769e-04	4.360466e-04	1.018251e-04
H51	0	1.131440e-03	2.155334e-03	3.686947e-03	3.521259e-04
H52	0	1.781104e-02	2.889004e-02	4.429492e-02	7.711361e-03
H53	0	4.584477e-03	9.515808e-03	1.691200e-02	1.011150e-03
K64	0	2.263550e-02	4.768848e-02	8.650419e-02	5.116968e-03
K65	0	1.065267e-02	2.161185e-02	3.769459e-02	2.489223e-03
K66	0	1.455841e-04	3.171570e-04	6.535560e-04	3.702998e-05
L68	0	4.399343e-04	9.193040e-04	1.650284e-03	9.645405e-05
M_N	0	7.427767e-03	1.539641e-02	2.674675e-02	1.528573e-03
J62_63	0	2.179559e-04	4.637362e-04	8.402867e-04	4.636887e-05
M_N	0	2.438616e-02	8.096789e-02	2.455180e-02	7.073903e-03
M_N	0	1.071163e-01	2.216065e-01	3.842656e-01	2.189645e-02
O84	0	3.113608e-04	4.641945e-04	1.092537e-03	6.822971e-05
P85	0	2.111587e-04	4.305006e-04	7.784164e-04	4.340961e-05
M_N	0	2.116155e-04	4.481264e-04	8.682910e-04	4.011576e-05
E37-39	0	3.023374e-05	6.372359e-05	1.980654e-04	6.795094e-06
E37-39	0	2.340101e-05	4.932626e-05	1.529840e-04	5.258460e-06
E37-39	0	3.226343e-06	6.832784e-06	1.856613e-05	7.171907e-07
E37-39	0	1.813311e-04	2.116861e-04	2.470117e-04	1.087942e-06
E37-39	0	4.970324e-06	1.047708e-05	3.246688e-05	1.116820e-06
E37-39	0	5.890127e-06	1.241508e-05	3.855228e-05	1.323698e-06
E37-39	0	6.069019e-06	1.279252e-05	5.133236e-05	1.363809e-06
E37-39	0	2.928865e-06	6.173663e-06	1.914481e-05	6.515011e-07
E37-39	0	4.149380e-07	8.753085e-07	2.654053e-06	8.735699e-08
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	1.490798e-05	3.148432e-05	9.274988e-05	3.335280e-06
E37-39	0	2.770471e-06	5.838889e-06	1.818601e-05	6.227683e-07
E37-39	0	4.563056e-06	9.619420e-06	2.973843e-05	1.025109e-06
E37-39	0	8.704635e-06	1.834806e-05	5.692895e-05	1.956052e-06
E37-39	0	1.951338e-06	4.112530e-06	1.280904e-05	3.288667e-06
E37-39	0	8.264545e-07	1.741787e-06	5.426464e-06	4.384874e-06
E37-39	0	7.049832e-07	1.486633e-06	4.524010e-06	2.791398e-06
E37-39	0	6.834393e-07	3.407862e-06	4.917981e-06	5.763980e-06
E37-39	0	2.872227e-07	6.053345e-07	1.885396e-06	1.127020e-06
E37-39	0	3.446235e-07	7.263091e-07	2.262188e-06	1.562068e-06
R_S	0	2.694151e-05	5.474150e-05	1.342565e-04	6.425182e-06
R_S	0	5.060045e-04	1.068475e-03	2.075684e-03	1.156101e-04
R_S	0	7.247759e-05	1.701706e-04	2.669587e-04	1.503403e-05

	T	0	1.013772e-05	2.465639e-05	3.674956e-05	2.026454e-06
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
TR	A01	0	6.396610e-06	2.133897e-05	6.594001e-06	1.907626e-06
	A01	0	3.882010e-04	2.935672e-04	9.071585e-05	2.624384e-05
	A01	0	5.763854e-05	3.283278e-03	5.941720e-05	1.718922e-05
	A01	0	9.666418e-04	3.247407e-03	7.435949e-01	2.840356e-04
	A01	0	5.559547e-05	1.854654e-04	5.731108e-05	5.843089e-03
	A01	0	3.261215e-05	1.087935e-04	3.361852e-05	9.725741e-06
	A01	0	8.706597e-05	2.910083e-04	8.932996e-05	2.586115e-05
	A01	0	1.305066e-04	4.369666e-04	1.333221e-04	3.862203e-05
	A01	0	2.078244e-04	6.960728e-04	2.121252e-04	6.146190e-05
	A01	0	1.700017e-06	5.711182e-06	1.722194e-06	4.995331e-07
	A01	0	5.501916e-04	1.840650e-03	5.631770e-04	1.631106e-04
	A01	0	1.625445e-04	5.441834e-04	1.660831e-04	4.811425e-05
	A01	0	1.409725e-05	4.702814e-05	1.453227e-05	4.204144e-06
	A01	0	2.388724e-04	7.988227e-04	2.447497e-04	7.087594e-05
	A01	0	2.206174e-06	7.359753e-06	2.274254e-06	6.579351e-07
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	4.809141e-07	1.005264e-06	1.975898e-06	1.114845e-07
	A03	0	3.997366e-07	5.889505e-07	8.304958e-07	1.981676e-07
	B_nongas	0	6.526029e-07	1.439775e-06	2.232226e-06	1.431609e-07
	B_nongas	0	7.796431e-09	1.174836e-08	1.678219e-08	3.643364e-09
	B_gas	0	2.664543e-09	4.015173e-09	5.735555e-09	1.245172e-09
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	5.892599e-09	1.320557e-08	2.247452e-08	1.254650e-09
	B_nongas	0	5.061114e-08	1.150014e-07	1.729361e-07	1.157442e-08
	B_nongas	0	2.149075e-11	4.598012e-11	6.479691e-11	6.162713e-12
	B_nongas	0	8.021349e-10	1.797624e-09	3.059338e-09	1.707914e-10
	B_nongas	0	3.519244e-08	7.985642e-08	1.216480e-07	7.992766e-09
	B_nongas	0	3.512054e-09	7.870657e-09	1.339507e-08	7.477852e-10
	B_nongas	0	3.445888e-08	7.875418e-08	1.119595e-07	8.110291e-09
	B_nongas	0	1.737665e-04	3.953602e-04	7.457196e-04	2.902051e-05
	B_nongas	0	3.333317e-05	7.590516e-05	1.428676e-04	5.577456e-06
	B_nongas	0	1.864463e-02	4.121180e-02	7.665893e-02	3.493748e-03
	C10-12	0	2.050816e-07	6.546877e-07	3.992675e-06	7.069104e-08
	C10-12	0	3.060330e-13	4.742989e-13	6.945954e-13	1.373999e-13
	C10-12	0	1.148471e-05	3.667486e-05	2.237037e-04	3.957428e-06
	C10-12	0	5.670181e-08	1.810080e-07	1.103863e-06	1.954444e-08
	C10-12	0	8.863806e-06	2.807122e-05	1.686645e-04	3.003245e-06
	C10-12	0	5.140834e-05	1.619398e-04	8.206328e-05	1.702895e-05
	C10-12	0	3.317231e-07	1.047255e-06	6.249817e-06	1.114982e-07
	C10-12	0	3.221908e-06	1.017437e-05	6.072894e-05	1.082673e-06
	C10-12	0	8.211257e-05	2.596094e-04	1.241751e-04	2.768565e-05
	C10-12	0	2.472795e-06	7.828489e-06	4.702611e-05	8.380637e-07
	C10-12	0	2.348824e-06	7.436882e-06	4.467719e-05	7.959758e-07
	C10-12	0	1.403890e-06	1.635773e-06	5.336495e-04	2.006782e-05

C13-15	0	6.690695e-03	1.667496e-02	2.986388e-02	9.251643e-04
C13-15	0	2.111285e-04	5.466555e-04	9.340600e-04	2.769943e-05
C13-15	0	1.433683e-03	3.442173e-03	6.594875e-03	2.006703e-04
C16	0	2.137606e-03	4.955386e-03	9.440401e-03	3.339529e-04
C16	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	2.123576e-06	6.793271e-06	3.368135e-06	5.925507e-07
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	6.411692e-04	1.627274e-03	1.998364e-03	1.485207e-04
C18	0	9.819238e-05	2.106645e-04	3.556992e-04	1.987609e-05
C19	0	2.228597e-06	7.347089e-06	2.522822e-06	6.565718e-07
C19	0	1.027744e-03	2.312447e-03	5.590582e-04	1.964848e-04
C24	0	2.318100e-08	7.761288e-08	2.405240e-08	6.792795e-09
C20-21	0	5.755229e-05	1.300283e-04	2.388154e-04	9.102853e-06
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	7.539595e-08	1.680377e-07	3.051366e-07	1.281648e-08
C20-21	0	3.495424e-04	1.280876e-05	1.241934e-03	3.180314e-04
C20-21	0	3.141758e-02	1.047747e-01	3.403546e-02	9.142347e-03
C22	0	9.583863e-03	2.238769e-02	3.958282e-02	1.456526e-03
C23	0	1.167223e-03	2.576627e-03	4.484746e-03	2.097628e-04
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	1.624714e-04	3.951289e-04	5.581489e-04	3.199897e-05
C23	0	5.785750e-07	1.505014e-06	1.955780e-06	1.143964e-07
C23	0	2.609387e-05	6.937567e-05	7.514791e-05	5.906223e-06
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	6.358921e-04	1.447354e-03	2.453035e-03	1.102330e-04
C24	0	1.606523e-03	4.061764e-03	5.902496e-03	2.967971e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.180526e-05	9.399542e-05	6.622510e-05	7.858340e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.369759e-05	9.980873e-05	6.894800e-05	8.384316e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.506529e-06	7.350972e-06	5.495682e-06	6.070433e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.815643e-05	8.339640e-05	5.761034e-05	7.005617e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	6.498695e-07	1.888997e-06	1.518501e-06	1.528802e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.260594e-05	3.730252e-05	2.579529e-05	3.141748e-06
C25_33	0	3.974716e-03	8.847302e-03	1.535177e-02	5.932909e-04
C25	0	1.412196e-03	3.364035e-03	4.831983e-03	2.891731e-04
C26	0	7.078847e-06	1.622024e-05	3.083811e-05	1.192449e-06
C27	0	2.013268e-02	4.384740e-02	8.031788e-02	3.801029e-03
C27	0	2.938312e-04	6.415855e-04	1.177447e-03	5.507918e-05
C28_32	0	2.479210e-04	5.818143e-04	1.109106e-03	3.775409e-05
C29	0	6.422364e-04	1.430368e-03	2.512549e-03	1.190546e-04
C30	0	1.459128e-05	3.290946e-05	6.138757e-05	2.445358e-06
C31	0	1.482178e-04	3.329424e-04	5.784335e-04	2.162157e-05
E37-39	0	6.228079e-06	2.041357e-05	7.531253e-06	1.805396e-06

E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	4.026427e-04	8.766892e-04	1.606485e-03	7.609114e-05
D35	0	9.878833e-04	2.150965e-03	3.941543e-03	1.866878e-04
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	3.549790e-04	7.729192e-04	1.416352e-03	6.708183e-05
D35	0	8.194641e-07	1.784054e-06	3.268792e-06	1.548983e-07
D35	0	1.733547e-05	3.774107e-05	6.915025e-05	3.276811e-06
D35	0	5.598716e-07	1.203399e-06	2.177099e-06	1.079790e-07
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	3.482396e-07	7.581518e-07	1.389106e-06	6.582561e-08
D35	0	2.629865e-06	5.725475e-06	1.049037e-05	4.971074e-07
D35	0	7.921779e-04	1.724860e-03	3.160752e-03	1.497013e-04
D35	0	2.112314e-03	4.599249e-03	8.427927e-03	3.991784e-04
D35	0	1.364215e-04	2.970351e-04	5.442993e-04	2.578095e-05
D35	0	8.399794e-06	1.827441e-05	3.345997e-05	1.589533e-06
E36	0	4.004371e-05	9.035728e-05	1.347954e-04	8.831065e-06
F	0	9.317319e-04	2.158677e-03	3.658233e-03	1.740156e-04
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	3.820437e-04	8.272945e-04	1.682467e-03	8.101699e-05
G47	0	2.575515e-05	5.427125e-05	1.211007e-04	6.263411e-06
G46	0	3.151532e-04	5.620882e-04	1.606521e-03	1.089110e-04
G47	0	1.005938e-04	2.070534e-04	4.366081e-04	2.591784e-05
I	0	3.604976e-03	7.588670e-03	1.374470e-02	8.090840e-04
H49	0	5.759035e-03	8.444071e-03	1.185171e-02	2.872135e-03
H49	0	1.278108e-02	1.936034e-02	2.801365e-02	6.112029e-03
H49	0	1.284385e-04	2.060379e-04	3.132636e-04	5.663050e-05
H50	0	1.127323e-03	1.646641e-03	2.302611e-03	5.648585e-04
H50	0	6.072735e-05	8.865504e-05	1.239076e-04	3.044802e-05
H51	0	3.421801e-04	6.310875e-04	1.061737e-03	1.165440e-04
H52	0	3.080297e-03	4.984091e-03	7.630369e-03	1.340160e-03
H53	0	3.017474e-04	6.295471e-04	1.121161e-03	6.465929e-05
K64	0	1.291218e-03	2.721162e-03	4.937177e-03	2.917729e-04
K65	0	7.736014e-05	1.569452e-04	2.737352e-04	1.808000e-05
K66	0	1.092888e-06	3.267391e-06	1.208817e-05	6.471320e-07
L68	0	2.795429e-05	5.858412e-05	1.051283e-04	6.069523e-06
M_N	0	8.599499e-07	1.795509e-06	3.158970e-06	1.750097e-07
J62_63	0	2.677256e-06	5.780141e-06	1.058009e-05	5.469081e-07
M_N	0	1.118722e-09	2.359797e-09	4.287812e-09	2.546419e-10
M_N	0	5.276374e-03	1.095556e-02	1.910561e-02	1.068545e-03
O84	0	5.347523e-06	1.116982e-05	2.005247e-05	1.222469e-06
P85	0	1.784534e-04	4.137646e-04	7.903630e-04	2.785165e-05
M_N	0	6.578074e-05	1.373008e-04	2.405612e-04	1.319108e-05
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	9.384980e-10	1.071407e-09	1.144555e-09	0.000000e+00

	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	1.400127e-09	2.997032e-09	3.055929e-07	3.035767e-10
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	1.262783e-08	2.703896e-08	4.955771e-08	2.734938e-09
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	7.037004e-09	1.505449e-08	2.757853e-08	1.528798e-09
	E37-39	0	3.524246e-09	7.546154e-09	1.383076e-08	7.632928e-10
	E37-39	0	2.641218e-09	5.630857e-09	1.029497e-08	5.807750e-10
	E37-39	0	3.102293e-09	6.627316e-09	1.213082e-08	6.773630e-10
	E37-39	0	1.346799e-08	2.867953e-08	5.240072e-08	0.000000e+00
	E37-39	0	0.000000e+00	2.052851e-06	4.504602e-07	0.000000e+00
	E37-39	0	8.788732e-09	1.873054e-08	3.423873e-08	0.000000e+00
	E37-39	0	8.543681e-09	1.824500e-08	3.338933e-08	1.867783e-09
	R_S	0	1.387940e-09	3.064020e-09	5.694026e-09	2.630067e-10
	R_S	0	5.384627e-05	1.149823e-04	2.060633e-04	1.046158e-05
	R_S	0	1.963770e-06	4.252960e-06	7.842026e-06	4.109401e-07
	T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
TW	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	3.064365e-06	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	1.607673e-02	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	1.790534e-04
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	0.000000e+00	0.000000e+00	1.614949e-07	0.000000e+00
	A03	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0	0.00000			

B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	9.210637e-07	2.095821e-06	3.959238e-06	1.533428e-07
B_nongas	0	5.246269e-03	1.159627e-02	2.157049e-02	9.830777e-04
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	3.463557e-09	2.381761e-09	1.873307e-06	7.045603e-08
C13-15	0	7.476215e-04	1.836710e-03	3.611374e-03	8.610299e-05
C13-15	0	2.452207e-06	6.290304e-06	1.260031e-05	2.073151e-07
C13-15	0	2.496327e-04	5.964700e-04	1.159337e-03	3.446132e-05
C16	0	2.401219e-04	5.352277e-04	9.903748e-04	4.071603e-05
C16	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	1.906401e-04	4.124831e-04	7.591255e-04	3.907348e-05
C18	0	7.597364e-06	1.710994e-05	3.208300e-05	1.297962e-06
C19	0	9.741549e-08	2.128005e-07	7.133328e-08	1.079719e-08
C19	0	9.968851e-03	1.995474e-02	6.222468e-03	1.609946e-03
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	4.612627e-09	1.739185e-08	5.566436e-09	0.000000e+00
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	3.550864e-04	0.000000e+00	1.258223e-03	3.274613e-04
C20-21	0	3.578634e-02	1.202237e-01	3.625318e-02	1.051546e-02
C22	0	2.521263e-03	5.775546e-03	1.075773e-02	3.654997e-04
C23	0	5.286603e-04	1.148944e-03	2.069689e-03	9.315050e-05
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	8.879478e-08	2.007859e-07	3.694181e-07	1.330275e-08
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	2.157415e-04	4.771446e-04	8.676593e-04	3.548828e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

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H50	0	1.132934e-06	1.650968e-06	2.303411e-06	5.692884e-07
H51	0	1.188327e-05	2.284385e-05	3.943585e-05	3.660007e-06
H52	0	3.354773e-04	5.438339e-04	8.339178e-04	1.455466e-04
H53	0	1.628365e-05	3.397318e-05	6.050312e-05	3.489286e-06
K64	0	4.087159e-07	8.611423e-07	1.562292e-06	9.242742e-08
K65	0	6.762003e-05	1.371707e-04	2.392395e-04	1.580859e-05
K66	0	4.803943e-07	1.516533e-06	6.050591e-06	3.290602e-07
L68	0	1.719678e-05	3.599067e-05	6.453697e-05	3.747399e-06
M_N	0	1.967079e-07	4.071181e-07	7.096430e-07	4.041953e-08
J62_63	0	2.805801e-07	5.924497e-07	1.077842e-06	6.423753e-08
M_N	0	1.562931e-06	3.296798e-06	5.990366e-06	3.557522e-07
M_N	0	1.188430e-03	2.456789e-03	4.267214e-03	2.427514e-04
O84	0	4.449792e-07	9.393747e-07	1.708558e-06	1.017478e-07
P85	0	7.151918e-10	1.508681e-09	2.741493e-09	1.628387e-10
M_N	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	2.791776e-08	5.975292e-08	1.094907e-07	6.055375e-09
E37-39	0	4.236600e-08	9.068792e-08	1.661873e-07	9.185228e-09
E37-39	0	1.725937e-07	3.695273e-07	6.772444e-07	3.739235e-08
E37-39	0	3.653764e-05	4.171208e-05	4.455984e-05	0.000000e+00
E37-39	0	1.216157e-08	2.601430e-08	4.765249e-08	2.643307e-09
E37-39	0	8.374627e-09	1.792309e-08	3.284078e-08	1.816917e-09
E37-39	0	1.031144e-08	2.207209e-08	2.250584e-06	2.235736e-09
E37-39	0	6.289557e-09	1.345102e-08	2.463651e-08	0.000000e+00
E37-39	0	3.228003e-09	6.902316e-09	1.264087e-08	0.000000e+00
E37-39	0	1.362170e-09	2.915024e-09	5.340994e-09	2.956169e-10
E37-39	0	3.508684e-07	7.512862e-07	1.376977e-06	7.599113e-08
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	1.774970e-08	3.797251e-08	6.956236e-08	3.856144e-09
E37-39	0	1.691580e-08	3.622028e-08	6.638532e-08	3.663678e-09
E37-39	0	2.281895e-09	4.864810e-09	8.894392e-09	5.017637e-10
E37-39	0	3.440339e-09	7.349472e-09	1.345267e-08	7.511730e-10
E37-39	0	5.826136e-09	1.240651e-08	2.266809e-08	0.000000e+00
E37-39	0	0.000000e+00	4.926811e-06	1.081098e-06	0.000000e+00
E37-39	0	2.582987e-09	5.504859e-09	1.006268e-08	0.000000e+00
E37-39	0	5.411154e-09	1.155550e-08	2.114719e-08	1.182964e-09
R_S	0	1.144812e-10	2.418205e-10	4.401335e-10	2.626683e-11
R_S	0	9.901785e-09	2.104032e-08	3.842249e-08	2.223800e-09
R_S	0	2.143918e-09	4.527852e-09	8.239463e-09	4.914193e-10
T	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
NO	A01	0	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	6.725231e-09	9.865986e-12	2.381507e-08
	A01	0	6.260531e-09	1.039526e-09	2.046464e-08
	A01	0	4.132015e-08	2.361358e-10	1.886400e-04
	A01	0	6.370380e-10	1.054708e-10	2.082820e-09
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	1.033606e-08	4.730717e-09	3.428576e-08

A01	0	1.099771e-06	2.210417e-12	3.896959e-06	1.014210e-06
A01	0	9.195670e-07	2.573890e-12	3.258420e-06	8.480255e-07
A01	0	4.278115e-07	2.494911e-12	1.515919e-06	3.945278e-07
A01	0	1.634652e-07	1.035336e-09	5.793549e-07	1.504088e-07
A01	0	8.664701e-10	7.605009e-11	3.076370e-09	7.742697e-10
A01	0	3.835463e-06	1.222631e-11	1.359069e-05	3.537067e-06
A01	0	9.257095e-08	5.475486e-14	3.280185e-07	8.536908e-08
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0	2.438882e-08	5.436227e-08	2.410829e-06	4.135466e-09
A03	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	3.397827e-06	7.535377e-06	1.395415e-05	6.046614e-07
B_nongas	0	2.364852e-04	5.288515e-04	9.870175e-04	4.144288e-05
B_gas	0	9.072698e-04	2.044940e-03	3.836337e-03	1.552407e-04
B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	2.919780e-08	6.497600e-08	1.213340e-07	5.407647e-09
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	6.598207e-09	1.496428e-08	2.828593e-08	1.152801e-09
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	1.127398e-06	2.494496e-06	4.636486e-06	2.107690e-07
B_nongas	0	1.534154e-05	3.500369e-05	6.618996e-05	2.522275e-06
B_nongas	0	8.797662e-06	1.961764e-05	3.654267e-05	1.554752e-06
B_nongas	0	6.866421e-07	1.500083e-06	2.758872e-06	1.304786e-07
C10-12	0	5.521954e-07	1.052105e-06	1.885937e-06	1.612599e-07
C10-12	0	2.303773e-06	4.744884e-06	8.779936e-06	5.206782e-07
C10-12	0	1.399854e-06	2.914689e-06	5.530345e-06	3.187972e-07
C10-12	0	7.459251e-06	1.547806e-05	3.002543e-05	1.762982e-06
C10-12	0	2.620135e-06	5.773024e-06	1.083123e-05	4.883006e-07
C10-12	0	2.591270e-05	5.742664e-05	1.075752e-04	4.714359e-06
C10-12	0	2.943865e-09	6.362324e-09	1.152807e-08	6.339583e-10
C10-12	0	3.371863e-09	7.639509e-09	1.436657e-08	5.746735e-10
C10-12	0	1.625679e-05	3.516607e-05	6.610195e-05	3.245693e-06
C10-12	0	5.382186e-06	1.155237e-05	2.153191e-05	1.089458e-06
C10-12	0	3.133817e-05	6.872381e-05	1.282941e-04	5.911834e-06
C10-12	0	8.028925e-07	1.788844e-06	3.355286e-06	1.455640e-07
C13-15	0	1.691723e-04	4.127107e-04	8.079369e-04	2.027297e-05
C13-15	0	6.763148e-06	1.621600e-05	3.137835e-05	8.856590e-07
C13-15	0	1.480505e-05	3.533291e-05	6.863391e-05	2.058933e-06
C16	0	1.186432e-04	2.706312e-04	5.097715e-04	1.919224e-05
C16	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	7.245218e-05	2.049362e-05	2.564828e-04	6.020756e-05
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	9.838239e-04	2.118194e-03	3.915128e-03	2.051240e-04
C18	0	2.137194e-05	4.623191e-05	8.407870e-05	4.093912e-06
C19	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

C19	0	4.613081e-05	1.019152e-04	1.607859e-04	8.594170e-06
C24	0	4.453542e-09	9.698566e-09	1.683039e-08	9.400409e-10
C20-21	0	1.761937e-05	3.905279e-05	6.989801e-05	3.299909e-06
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	4.009790e-08	8.730510e-08	1.561545e-07	7.979458e-09
C20-21	0	3.963955e-03	3.769092e-06	1.404640e-02	3.654318e-03
C20-21	0	7.762431e-05	1.020442e-04	1.511932e-04	4.278194e-05
C22	0	1.090214e-03	2.496555e-03	4.649670e-03	1.584861e-04
C23	0	4.378708e-05	9.566718e-05	1.738161e-04	7.696557e-06
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	2.998449e-06	6.676953e-06	1.241115e-05	5.094175e-07
C23	0	2.907439e-07	6.453050e-07	1.203142e-06	5.288640e-08
C23	0	3.689593e-06	8.255052e-06	1.549382e-05	6.288787e-07
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	3.186132e-05	7.067979e-05	1.306393e-04	5.438999e-06
C24	0	5.282186e-06	2.598167e-06	1.879953e-05	3.984524e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.131801e-06	5.572683e-07	4.027992e-06	8.535698e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.596272e-05	7.850496e-06	5.681149e-05	1.204157e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.520969e-06	7.480340e-07	5.413025e-06	1.147347e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.895235e-06	9.324404e-07	6.744970e-06	1.429569e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	7.049229e-06	3.466485e-06	2.508888e-05	5.317725e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.287607e-06	6.332214e-07	4.582488e-06	9.713246e-07
C25_33	0	4.657002e-04	1.040468e-03	1.871042e-03	7.190601e-05
C25	0	1.639506e-03	3.650664e-03	6.338032e-03	3.173079e-04
C26	0	8.002224e-07	1.836422e-06	3.493518e-06	1.344525e-07
C27	0	8.706297e-04	1.895827e-03	3.472739e-03	1.645535e-04
C27	0	1.703440e-05	3.709470e-05	6.779966e-05	3.206252e-06
C28_32	0	1.842980e-04	4.335441e-04	8.344952e-04	2.753065e-05
C29	0	1.573505e-05	3.481345e-05	6.335202e-05	2.746947e-06
C30	0	2.347612e-04	5.123473e-04	9.302528e-04	4.454375e-05
C31	0	6.070574e-04	1.407727e-03	2.687889e-03	9.448464e-05
E37-39	0	2.506966e-07	4.827678e-07	8.112267e-07	6.833697e-08
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	5.652960e-08	1.291882e-07	2.454056e-07	9.641237e-09
D35	0	7.277089e-08	1.579919e-07	2.897364e-07	1.455257e-08
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	8.803244e-06	1.947254e-05	3.589451e-05	1.572833e-06
D35	0	9.218164e-08	1.913084e-07	3.409146e-07	2.121553e-08
D35	0	1.895968e-09	4.094665e-09	7.486114e-09	3.861254e-10
D35	0	3.496500e-08	6.572709e-08	1.106976e-07	1.089299e-08
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	2.131130e-08	4.666002e-08	8.622913e-08	4.212295e-09
D35	0	9.301284e-07	1.965762e-06	3.544798e-06	2.029576e-07
D35	0	8.257673e-06	1.809312e-05	3.317195e-05	1.519955e-06
D35	0	2.002025e-07	4.309309e-07	7.854395e-07	4.105656e-08
D35	0	1.758885e-06	3.979371e-06	7.465462e-06	2.956632e-07
E36	0	1.354941e-07	3.034250e-07	4.136503e-07	3.310365e-08
F	0	2.956932e-04	6.776806e-04	9.117509e-04	7.076843e-05
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	1.290174e-05	2.620472e-05	4.520984e-05	2.890994e-06
G47	0	3.637814e-06	7.089582e-06	1.201583e-05	9.632874e-07
G46	0	7.401745e-04	1.558817e-03	2.795621e-03	1.594395e-04
G47	0	1.198106e-04	2.596909e-04	4.738303e-04	2.308378e-05
I	0	5.857368e-04	1.232430e-03	2.231057e-03	1.314530e-04
H49	0	1.346852e-03	1.968621e-03	2.754429e-03	6.742096e-04
H49	0	5.434249e-03	8.224202e-03	1.188889e-02	2.601324e-03
H49	0	1.417171e-05	2.628461e-05	4.406219e-05	4.674096e-06
H50	0	3.587723e-04	6.991567e-04	1.180825e-03	9.432716e-05
H50	0	2.502088e-06	3.671201e-06	5.151197e-06	1.245079e-06
H51	0	1.551204e-04	3.205238e-04	5.711834e-04	3.686951e-05
H52	0	3.591697e-03	5.834002e-03	8.957421e-03	1.552496e-03
H53	0	3.021239e-04	6.305558e-04	1.122011e-03	6.474773e-05
K64	0	2.238549e-05	4.667204e-05	8.272679e-05	4.789120e-06
K65	0	9.012030e-05	1.828299e-04	3.189512e-04	2.107255e-05
K66	0	6.868088e-07	2.168152e-06	8.650392e-06	4.704498e-07
L68	0	2.430764e-05	5.086102e-05	9.115523e-05	5.310588e-06
M_N	0	4.879771e-04	1.009946e-03	1.760433e-03	1.002711e-04
J62_63	0	2.418604e-05	5.021818e-05	8.806206e-05	5.054978e-06
M_N	0	4.175220e-06	8.699643e-06	1.539837e-05	8.920257e-07
M_N	0	5.022306e-03	1.038265e-02	1.803321e-02	1.025903e-03
O84	0	5.494722e-06	1.145930e-05	1.988082e-05	1.159491e-06
P85	0	3.479682e-06	7.353970e-06	1.327674e-05	7.936708e-07
M_N	0	5.054840e-05	1.136190e-04	2.135797e-04	8.583524e-06
E37-39	0	3.328759e-07	6.934750e-07	1.191733e-06	7.026964e-08
E37-39	0	2.469712e-07	5.151317e-07	8.878752e-07	5.219485e-08
E37-39	0	8.637662e-08	1.838014e-07	3.321860e-07	1.860424e-08
E37-39	0	5.439487e-06	6.744288e-06	7.964399e-06	1.201520e-07
E37-39	0	8.777223e-08	1.850083e-07	3.273068e-07	1.877202e-08
E37-39	0	7.038825e-08	1.472933e-07	2.559277e-07	1.492665e-08
E37-39	0	1.953681e-07	4.064958e-07	2.054254e-06	4.119151e-08
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	2.679283e-07	5.604063e-07	9.724754e-07	5.676783e-08
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	1.114769e-07	2.336051e-07	4.073909e-07	2.368646e-08
E37-39	0	1.490501e-07	3.107967e-07	5.352627e-07	3.148642e-08

[illegible]

C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0	2.193099e-08	1.508113e-08	1.186164e-05	4.461224e-07
C13-15	0	3.908387e-04	9.601881e-04	1.887940e-03	4.501259e-05
C13-15	0	3.365310e-05	8.632560e-05	1.729216e-04	2.845109e-06
C13-15	0	3.649369e-03	8.719766e-03	1.694830e-02	5.037884e-04
C16	0	5.718295e-05	1.274598e-04	2.358492e-04	9.696170e-06
C16	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	1.073737e-05	2.323218e-05	4.275603e-05	2.200725e-06
C18	0	4.793691e-07	1.079582e-06	2.024334e-06	8.189722e-08
C19	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	0	2.119552e-04	4.199437e-04	0.000000e+00	3.552240e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	1.619555e-10	6.106511e-10	1.954450e-10	0.000000e+00
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	3.739383e-03	1.256241e-02	3.788164e-03	1.098781e-03
C22	0	5.114167e-04	1.171520e-03	2.182113e-03	7.413850e-05
C23	0	5.954076e-06	1.294007e-05	2.331003e-05	1.049115e-06
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	1.425393e-06	3.139861e-06	5.697416e-06	2.382789e-07
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	8.477926e-09	1.917059e-08	3.527121e-08	1.270116e-09
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	8.700095e-06	1.924156e-05	3.498965e-05	1.431117e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	0	5.296791e-05	1.156657e-04	1.970644e-04	7.707586e-06

A03	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	2.148814e-05	4.444521e-05	7.729672e-05	4.402210e-06
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0	2.495209e-06	5.164628e-06	8.997293e-06	5.131774e-07
B_gas	0	1.575086e-05	3.252154e-05	5.653159e-05	3.260371e-06
B_nongas	0	3.724560e-07	6.057269e-07	9.307922e-07	1.606276e-07
B_nongas	0	7.004584e-08	1.474073e-07	2.669588e-07	1.573448e-08
B_nongas	0	1.820366e-07	3.770831e-07	6.581747e-07	3.760323e-08
B_nongas	0	7.619837e-07	1.236570e-06	1.897514e-06	3.299254e-07
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	1.534895e-05	3.186673e-05	5.580419e-05	3.175720e-06
B_nongas	0	8.137660e-07	1.320339e-06	2.025790e-06	3.524773e-07
B_nongas	0	3.393047e-05	7.367903e-05	1.346557e-04	6.562036e-06
B_nongas	0	4.727770e-05	1.073502e-04	2.024867e-04	7.920592e-06
B_nongas	0	3.719356e-06	7.996892e-06	1.443081e-05	7.130891e-07
B_nongas	0	1.872346e-05	4.060035e-05	7.419849e-05	3.625210e-06
C10-12	0	2.543169e-07	5.770888e-07	1.081111e-06	4.139467e-08
C10-12	0	1.278765e-08	2.901738e-08	5.436078e-08	2.081421e-09
C10-12	0	1.553465e-07	3.525079e-07	6.603838e-07	2.528545e-08
C10-12	0	3.418154e-08	7.756379e-08	1.453070e-07	5.563663e-09
C10-12	0	4.807890e-05	1.554229e-04	4.285616e-03	1.380065e-05
C10-12	0	1.285656e-07	2.657889e-07	4.617007e-07	2.626682e-08
C10-12	0	6.532397e-11	1.350434e-10	2.345667e-10	1.334426e-11
C10-12	0	4.829330e-07	5.133164e-07	1.721806e-06	2.673193e-07
C10-12	0	6.856062e-06	1.940129e-05	7.521180e-03	2.223217e-06
C10-12	0	3.328854e-06	7.837037e-06	1.017636e-05	7.383982e-07
C10-12	0	1.770071e-05	3.659248e-05	6.356039e-05	3.615892e-06
C10-12	0	5.004634e-07	1.178229e-06	1.529925e-06	1.110116e-07
C13-15	0	2.186512e-05	5.419335e-05	9.026884e-05	3.329675e-06
C13-15	0	1.422568e-05	4.192412e-05	2.768968e-05	3.680414e-06
C13-15	0	4.934527e-05	1.176916e-04	2.284517e-04	6.851297e-06
C16	0	2.429269e-05	6.799113e-05	5.921776e-05	5.764122e-06
C16	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	1.387654e-10	2.884238e-10	5.034137e-10	2.801200e-11
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	2.001113e-05	4.416205e-05	7.742338e-05	3.897326e-06
C18	0	2.409499e-05	5.029394e-05	8.804494e-05	4.812140e-06
C19	0	3.168116e-06	7.336181e-06	9.812132e-06	7.012441e-07
C19	0	1.363537e-04	3.196917e-04	4.145185e-04	3.044879e-05
C24	0	2.108443e-06	4.882362e-06	6.530190e-06	4.666911e-07
C20-21	0	9.420602e-04	2.218624e-03	1.687208e-03	4.505320e-04
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	6.075728e-06	2.027552e-05	6.425907e-06	1.775872e-06
C20-21	0	1.503885e-03	2.956042e-04	5.108474e-03	1.331137e-03
C20-21	0	6.785319e-03	2.075124e-02	8.437430e-03	2.372248e-03
C22	0	3.197877e-04	7.415823e-04	1.337866e-03	4.779202e-05
C23	0	1.304271e-05	2.861195e-05	5.185838e-05	2.227352e-06
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

C23	0	2.040362e-05	6.550466e-05	2.864077e-05	5.656312e-06
C23	0	9.043409e-08	2.957304e-07	1.105985e-07	2.581132e-08
C23	0	1.659358e-06	3.643094e-06	6.593476e-06	2.803526e-07
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	1.936330e-05	4.688019e-05	6.652673e-05	3.688924e-06
C24	0	2.106713e-05	5.603336e-05	5.614864e-05	4.768953e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.275705e-06	6.893229e-06	1.215491e-05	6.451873e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	5.154310e-07	1.083857e-06	1.912474e-06	1.020321e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.429076e-07	3.005086e-07	5.302494e-07	2.828926e-08
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.941886e-07	6.186248e-07	1.091568e-06	5.823608e-08
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.243339e-06	2.582732e-06	4.506251e-06	2.517627e-07
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	6.483037e-07	1.488580e-06	2.740641e-06	1.028121e-07
C25_33	0	8.780080e-05	1.909490e-04	3.298118e-04	1.572148e-05
C25	0	1.661759e-04	4.486702e-04	4.066163e-04	4.046241e-05
C26	0	9.016524e-06	2.026239e-05	3.794691e-05	1.580669e-06
C27	0	5.028493e-04	1.096782e-03	2.011391e-03	9.451761e-05
C27	0	2.777871e-05	5.967412e-05	1.072673e-04	5.251754e-06
C28_32	0	1.070678e-04	2.578092e-04	4.657532e-04	1.672351e-05
C29	0	1.429665e-04	3.063660e-04	5.385694e-04	2.827414e-05
C30	0	2.089736e-05	4.420705e-05	7.834189e-05	4.075265e-06
C31	0	2.647781e-04	6.146680e-04	1.172244e-03	4.124521e-05
E37-39	0	9.549709e-06	2.122736e-05	3.878461e-05	1.556463e-06
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	1.625547e-09	3.398599e-09	6.078767e-09	3.523727e-10
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	6.218904e-11	1.300212e-10	2.325572e-10	1.348083e-11
D35	0	4.782351e-12	9.998661e-12	1.788370e-11	1.036679e-12
D35	0	1.438759e-13	3.011139e-13	5.399448e-13	3.135240e-14
D35	0	6.568246e-12	1.373251e-11	2.456210e-11	1.423811e-12
D35	0	9.623366e-11	2.013988e-10	3.611135e-10	2.096737e-11
D35	0	1.179329e-13	2.468186e-13	4.425848e-13	2.569910e-14
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	2.085266e-10	4.359753e-10	7.797896e-10	4.520269e-11
D35	0	5.331414e-10	1.114661e-09	1.993694e-09	1.155700e-10
D35	0	5.175628e-10	1.082090e-09	1.935437e-09	1.121930e-10
D35	0	2.672047e-10	5.531343e-10	9.646678e-10	5.496518e-11
E36	0	2.343611e-09	4.851454e-09	8.460950e-09	4.820910e-10
F	0	2.523574e-07	5.561412e-07	8.144274e-07	5.785959e-08
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WA A01	0	6.158101e-05	8.813220e-05	2.373690e-04	4.381572e-05
A01	0	8.797413e-04	2.025468e-03	3.646579e-03	2.023472e-04
A01	0	6.768083e-04	1.397105e-02	3.197378e-03	2.162626e-04
A01	0	4.697584e-05	4.394453e-05	1.844926e+00	2.792783e-05
A01	0	7.563722e-04	2.436213e-03	4.828529e-03	8.383993e-04
A01	0	7.058554e-04	2.257643e-03	8.138876e-04	2.272150e-04
A01	0	1.999861e-03	6.717936e-03	2.027426e-03	5.876089e-04
A01	0	6.994537e-05	1.040993e-04	7.173065e-04	3.151634e-05
A01	0	5.470156e-04	1.717908e-03	6.795061e-04	1.867671e-04
A01	0	1.883864e-04	3.055930e-04	6.201993e-04	1.138463e-04
A01	0	6.504939e-05	6.882542e-05	2.443924e-04	4.532374e-05
A01	0	3.658648e-04	1.154390e-03	5.067300e-04	1.068514e-04
A01	0	5.016321e-04	1.605268e-03	6.729429e-04	1.471547e-04
A01	0	7.696889e-05	7.491111e-05	2.764650e-04	5.861038e-05
A01	0	8.562762e-06	1.594820e-06	3.042433e-05	7.346982e-06
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0	8.999730e-04	2.994529e-03	9.740206e-04	2.640338e-04
A03	0	1.683435e-05	5.544029e-05	6.770778e-05	2.724807e-06
B_nongas	0	2.592892e-04	8.012206e-04	3.683162e-04	7.561762e-05
B_nongas	0	4.219172e-04	8.070157e-04	4.494135e-04	8.737614e-05
B_gas	0	1.192982e-03	2.234349e-03	1.321828e-03	2.639984e-04
B_gas	0	1.025716e-04	3.433710e-04	1.036260e-04	3.003784e-05
B_nongas	0	7.620590e-04	2.560125e-03	7.720019e-04	2.239235e-04
B_nongas	0	1.037051e-04	3.467801e-04	1.093438e-04	3.030766e-05
B_nongas	0	2.631197e-05	4.519519e-05	9.189035e-05	8.084803e-06
B_nongas	0	1.146041e-05	1.839951e-05	3.109146e-05	4.008484e-06
B_nongas	0	2.657474e-05	6.134997e-05	5.487354e-05	1.062779e-05
B_nongas	0	4.458083e-05	7.883482e-05	1.671716e-04	1.407966e-05
B_nongas	0	2.415614e-05	3.972126e-05	8.113927e-05	7.688317e-06
B_nongas	0	3.106751e-05	4.787238e-05	1.015670e-04	1.204525e-05
B_nongas	0	2.760299e-04	8.084367e-04	5.402007e-04	7.349949e-05
B_nongas	0	2.944048e-04	8.587636e-04	5.445956e-04	8.125748e-05
B_nongas	0	1.060223e-03	3.561803e-03	1.074055e-03	3.115359e-04
C10-12	0	2.355397e-05	4.152988e-05	8.993602e-05	7.108099e-06
C10-12	0	2.289308e-05	4.309379e-05	9.069481e-05	6.100100e-06
C10-12	0	2.319325e-05	4.258917e-05	8.988722e-05	6.524778e-06
C10-12	0	1.995810e-05	4.351984e-05	8.678464e-05	4.026268e-06
C10-12	0	2.408304e-03	8.089347e-03	2.444673e-03	7.074437e-04
C10-12	0	2.593484e-05	4.771449e-05	9.827335e-05	7.196361e-06
C10-12	0	2.049845e-05	4.088965e-05	8.741623e-05	5.363762e-06
C10-12	0	1.928265e-05	3.694912e-05	7.831132e-05	5.026851e-06
C10-12	0	2.508527e-05	4.966669e-05	9.847112e-05	6.116479e-06
C10-12	0	3.102133e-05	5.673252e-05	1.167810e-04	8.666411e-06
C10-12	0	4.134968e-05	7.960093e-05	1.576197e-04	1.060024e-05
C10-12	0	1.393388e-05	2.865182e-05	2.093429e-04	8.803343e-06
C13-15	0	6.840488e-03	1.679323e-02	3.300872e-02	7.908137e-04

C13-15	0	6.217715e-04	2.016816e-03	9.749953e-04	1.657717e-04
C13-15	0	4.921889e-03	1.212679e-02	2.147875e-02	7.387116e-04
C16	0	2.146456e-04	4.734927e-04	8.868373e-04	3.804315e-05
C16	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	3.181293e-05	5.590108e-05	1.304453e-04	1.045556e-05
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	3.271323e-04	7.151362e-04	1.336303e-03	6.219381e-05
C18	0	2.665274e-04	5.621382e-04	1.013694e-03	5.318633e-05
C19	0	2.317175e-04	7.632912e-04	2.570163e-04	6.808328e-05
C19	0	2.980008e-02	9.065197e-02	2.721264e-02	7.848475e-03
C24	0	1.842959e-05	4.707142e-05	6.779723e-05	3.436740e-06
C20-21	0	7.644112e-04	2.566410e-03	7.779548e-04	2.244227e-04
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	2.474907e-04	8.251083e-04	2.668675e-04	7.190906e-05
C20-21	0	1.095231e-03	3.007780e-06	3.881800e-03	1.009024e-03
C20-21	0	3.444682e-01	1.157236e+00	3.489619e-01	1.012186e-01
C22	0	2.132257e-02	4.881973e-02	9.093584e-02	3.099855e-03
C23	0	2.634688e-03	6.001661e-03	9.636231e-03	4.937195e-04
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	2.195721e-04	4.755362e-04	8.739193e-04	3.924446e-05
C23	0	7.020860e-05	1.798429e-04	1.823252e-04	1.903255e-05
C23	0	2.771797e-05	5.441885e-05	1.074600e-04	6.774429e-06
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	6.468063e-04	1.419947e-03	2.594031e-03	1.098486e-04
C24	0	3.541185e-04	7.479530e-04	1.245016e-03	6.312805e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	5.128236e-05	1.024919e-04	1.911320e-04	1.174600e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	4.516228e-05	8.897799e-05	1.633453e-04	1.031744e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.129760e-05	3.843435e-05	7.694842e-05	6.417802e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	4.904845e-05	9.567121e-05	1.775848e-04	1.191548e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.209005e-05	3.542206e-05	7.497806e-05	8.025756e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.432246e-04	1.011424e-03	6.477440e-04	8.882156e-05
C25_33	0	7.927701e-03	1.732864e-02	2.967583e-02	1.172045e-03
C25	0	3.293302e-03	7.741973e-03	1.127793e-02	7.183959e-04
C26	0	2.271010e-03	5.215437e-03	9.935573e-03	3.796343e-04
C27	0	9.796233e-02	2.133129e-01	3.908965e-01	1.850901e-02
C27	0	1.141854e-03	2.501500e-03	4.599175e-03	2.124265e-04
C28_32	0	3.091932e-03	8.438537e-03	9.858126e-03	6.330823e-04
C29	0	5.490419e-04	1.199843e-03	2.206412e-03	1.039472e-04
C30	0	1.691446e-04	3.595969e-04	6.727071e-04	3.482306e-05
C31	0	1.720298e-02	3.989769e-02	7.622474e-02	2.676320e-03
E37-39	0	2.801874e-04	8.891318e-04	4.070149e-04	7.865091e-05
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

D35	0	3.696749e-05	6.758061e-05	1.312069e-04	1.016359e-05
D35	0	1.504157e-04	3.111936e-04	5.739710e-04	3.247568e-05
D35	0	4.433739e-05	9.364750e-05	1.401678e-04	8.505804e-06
D35	0	8.058421e-05	2.308786e-04	1.512242e-04	2.307416e-05
D35	0	2.225579e-05	4.682654e-05	6.248336e-05	4.110774e-06
D35	0	3.413975e-05	7.486997e-05	9.314642e-05	1.039554e-05
D35	0	2.209517e-05	4.838312e-05	4.811068e-05	3.875487e-06
D35	0	1.385927e-05	2.926030e-05	5.176640e-05	3.002562e-06
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	6.593280e-06	1.655426e-05	1.983072e-05	1.663188e-06
D35	0	4.101693e-05	9.168757e-05	1.407001e-04	9.252404e-06
D35	0	8.009043e-05	2.132170e-04	1.795775e-04	2.228723e-05
D35	0	1.257722e-04	2.616192e-04	4.759680e-04	2.662638e-05
D35	0	1.790618e-04	5.139451e-04	3.396925e-04	4.968384e-05
D35	0	2.569781e-04	8.233620e-04	3.221804e-04	7.452347e-05
E36	0	4.827316e-05	1.151104e-04	1.296158e-04	8.774888e-06
F	0	4.119952e-03	9.432951e-03	1.245912e-02	9.998217e-04
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	9.062335e-04	1.825825e-03	3.322541e-03	2.183672e-04
G47	0	2.473223e-04	5.687988e-04	6.211637e-04	7.569627e-05
G46	0	9.150592e-03	1.708267e-02	2.801642e-02	2.872834e-03
G47	0	1.477296e-03	3.141790e-03	5.789164e-03	3.170239e-04
I	0	2.085229e-03	4.398874e-03	7.933461e-03	4.617727e-04
H49	0	1.077183e-02	1.577793e-02	2.210618e-02	5.376976e-03
H49	0	7.244450e-03	1.107573e-02	1.613087e-02	3.415020e-03
H49	0	6.750050e-05	1.274539e-04	2.028356e-04	2.069217e-05
H50	0	1.205780e-02	1.757651e-02	2.452406e-02	6.055543e-03
H50	0	8.861295e-04	1.295119e-03	1.794521e-03	4.405556e-04
H51	0	2.189934e-03	4.212522e-03	7.275369e-03	6.739567e-04
H52	0	4.517570e-03	7.431954e-03	1.146871e-02	1.905721e-03
H53	0	6.688060e-04	1.499268e-03	2.263306e-03	1.497435e-04
K64	0	8.771274e-03	1.847776e-02	3.350757e-02	1.980481e-03
K65	0	6.002068e-04	1.218568e-03	2.125747e-03	1.397938e-04
K66	0	1.435283e-04	3.084103e-04	5.968614e-04	3.464921e-05
L68	0	2.477875e-04	5.200667e-04	9.065406e-04	5.620379e-05
M_N	0	1.332186e-03	2.769983e-03	4.804781e-03	2.735930e-04
J62_63	0	1.601750e-04	3.399737e-04	5.974177e-04	3.210104e-05
M_N	0	9.557390e-05	1.777120e-04	3.294225e-04	2.511877e-05
M_N	0	1.428525e-02	2.952662e-02	5.130038e-02	2.919863e-03
O84	0	1.852447e-04	3.672422e-04	6.047487e-04	3.915026e-05
P85	0	7.255885e-05	1.638877e-04	2.515602e-04	1.482279e-05
M_N	0	4.828146e-05	8.577565e-05	1.799279e-04	1.393813e-05
E37-39	0	1.597362e-07	3.418865e-07	6.264696e-07	3.464685e-08
E37-39	0	2.461671e-07	5.269409e-07	9.656290e-07	5.337065e-08
E37-39	0	1.004348e-06	2.150333e-06	3.940984e-06	2.175915e-07
E37-39	0	2.155433e-04	2.460684e-04	2.628680e-04	0.000000e+00
E37-39	0	1.004976e-07	2.149701e-07	3.937781e-07	2.184307e-08

	E37-39	0	4.595449e-08	9.835023e-08	1.802088e-07	9.970054e-09
	E37-39	0	5.643426e-08	1.208000e-07	1.231738e-05	1.223612e-08
	E37-39	0	5.867576e-08	1.254856e-07	2.298359e-07	0.000000e+00
	E37-39	0	9.662943e-08	2.066190e-07	3.784011e-07	0.000000e+00
	E37-39	0	1.651796e-08	3.534820e-08	6.476602e-08	3.584713e-09
	E37-39	0	2.085946e-06	4.466468e-06	8.186260e-06	4.517746e-07
	E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0	1.044574e-07	2.234691e-07	4.093761e-07	2.269349e-08
	E37-39	0	8.329918e-08	1.783611e-07	3.269041e-07	1.804121e-08
	E37-39	0	2.249886e-05	4.674857e-05	4.734528e-05	9.429129e-06
	E37-39	0	1.939729e-05	4.031311e-05	4.376977e-05	6.619334e-06
	E37-39	0	1.324117e-05	3.443565e-05	2.914974e-05	3.246788e-06
	E37-39	0	3.773911e-05	1.096434e-04	8.774265e-05	1.616898e-05
	E37-39	0	1.944367e-05	4.386522e-05	6.969708e-05	4.298247e-06
	E37-39	0	1.803066e-05	4.102940e-05	6.370573e-05	4.180026e-06
	R_S	0	3.269830e-05	7.144310e-05	1.037141e-04	7.456039e-06
	R_S	0	5.157594e-04	1.089255e-03	1.880281e-03	1.079875e-04
	R_S	0	8.256271e-05	1.567482e-04	3.079159e-04	2.248085e-05
	T	0	3.331253e-04	6.945606e-04	1.318867e-03	8.348654e-05
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WL	A01	0	1.243761e-04	2.514175e-04	2.514565e-04	6.765102e-05
	A01	0	2.655650e-04	1.366326e-05	5.447835e-03	1.891927e-04
	A01	0	4.063956e-04	1.145284e-02	1.954757e-02	3.207885e-04
	A01	0	1.616586e-04	4.508008e-06	3.414882e+00	1.472473e-04
	A01	0	3.297000e-04	2.791898e-04	4.133776e-02	8.868150e-03
	A01	0	4.481860e-04	3.474981e-04	1.701576e-03	3.472306e-04
	A01	0	3.207126e-04	2.558075e-04	1.128321e-03	2.475972e-04
	A01	0	2.661090e-04	3.715857e-05	1.332489e-02	2.910900e-04
	A01	0	4.271598e-03	4.424778e-04	1.733676e-02	3.886825e-03
	A01	0	1.826477e-03	1.048996e-04	6.830135e-03	1.666320e-03
	A01	0	9.156431e-04	7.554058e-04	3.187988e-03	7.065526e-04
	A01	0	4.105483e-04	3.115406e-04	1.387877e-03	3.145458e-04
	A01	0	2.770563e-04	2.771274e-04	7.978440e-04	1.992939e-04
	A01	0	1.124184e-03	3.258765e-04	4.422430e-03	9.806354e-04
	A01	0	2.905970e-04	2.018077e-06	1.284337e-03	2.673001e-04
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	2.028220e-04	2.901734e-04	5.913947e-04	1.306222e-04
	A03	0	2.080900e-05	6.998742e-05	2.645191e-04	5.891087e-06
	B_nongas	0	2.300583e-04	2.263886e-04	7.542946e-04	1.667999e-04
	B_nongas	0	2.993205e-03	7.710346e-05	1.060090e-02	2.734850e-03
	B_gas	0	6.117885e-03	2.860598e-03	1.958173e-02	5.095180e-03
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	3.105338e-04	8.919054e-04	4.459519e-04	1.155964e-04
	B_nongas	0	1.411921e-04	2.366446e-04	3.248944e-04	8.514133e-05
	B_nongas	0	3.225032e-05	5.513949e-05	7.320534e-05	1.933669e-05
	B_nongas	0	8.284973e-05	2.061245e-05	2.787132e-04	7.242023e-05

B_nongas	0	3.280001e-04	1.437275e-05	1.157928e-03	2.981567e-04
B_nongas	0	1.449917e-04	4.357296e-04	1.858598e-04	5.208492e-05
B_nongas	0	5.319456e-05	7.226188e-05	1.343718e-04	3.547854e-05
B_nongas	0	1.821631e-04	3.029447e-05	6.421020e-04	1.567028e-04
B_nongas	0	1.574632e-04	1.647408e-05	5.511363e-04	1.390234e-04
B_nongas	0	7.690686e-04	2.559706e-03	8.433885e-04	2.237822e-04
C10-12	0	2.411393e-04	2.605443e-05	1.093310e-03	2.136365e-04
C10-12	0	1.697930e-04	1.979085e-05	7.441164e-04	1.495384e-04
C10-12	0	2.823533e-04	4.469169e-05	1.298620e-03	2.476203e-04
C10-12	0	1.706982e-04	1.356757e-05	6.954076e-04	1.533293e-04
C10-12	0	1.305178e-03	4.383541e-03	1.323680e-03	3.835607e-04
C10-12	0	2.888259e-04	4.721277e-05	1.358631e-03	2.525323e-04
C10-12	0	1.157376e-04	4.487619e-06	4.159355e-04	1.055090e-04
C10-12	0	1.410138e-04	1.185851e-05	5.583003e-04	1.255481e-04
C10-12	0	1.817887e-04	2.160992e-05	9.739325e-04	1.596407e-04
C10-12	0	1.128661e-04	9.126711e-06	3.998489e-04	1.004786e-04
C10-12	0	9.017914e-08	1.685330e-07	3.251206e-07	2.485508e-08
C10-12	0	7.067079e-05	1.283383e-05	5.856792e-03	2.655550e-04
C13-15	0	4.428433e-04	5.881373e-04	2.027241e-03	2.155701e-04
C13-15	0	1.779639e-04	4.936293e-05	7.160383e-04	1.483571e-04
C13-15	0	1.180988e-03	2.564067e-03	5.363588e-03	2.477129e-04
C16	0	3.664280e-04	2.023838e-04	1.354746e-03	2.693302e-04
C16	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	1.743639e-04	2.833360e-04	4.052087e-04	1.066377e-04
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	2.391201e-04	6.061068e-05	9.506553e-04	1.997057e-04
C18	0	3.523717e-04	5.195569e-04	1.199257e-03	1.762935e-04
C19	0	2.053392e-04	1.484832e-04	6.170787e-04	1.610628e-04
C19	0	3.968780e-03	9.580561e-05	1.403150e-02	3.630507e-03
C24	0	1.058093e-04	8.140422e-05	3.145870e-04	8.219498e-05
C20-21	0	9.874081e-04	2.767371e-03	1.420676e-03	3.905579e-04
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	1.368164e-04	4.583389e-04	1.424480e-04	4.000064e-05
C20-21	0	1.350928e-01	1.657584e-03	4.774435e-01	1.242725e-01
C20-21	0	1.553486e-01	5.218906e-01	1.573757e-01	4.564779e-02
C22	0	6.752565e-04	1.199683e-03	2.732516e-03	2.172036e-04
C23	0	1.285341e-04	4.191900e-05	4.575340e-04	1.035079e-04
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	8.856458e-05	5.142687e-06	3.116144e-04	7.926539e-05
C23	0	9.126824e-05	4.711875e-06	3.205619e-04	8.190171e-05
C23	0	1.643206e-04	1.734818e-05	5.942119e-04	1.450087e-04
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	1.212603e-04	5.027601e-05	4.364466e-04	9.394722e-05
C24	0	2.244455e-04	2.306756e-04	6.239652e-04	1.621051e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.318196e-05	1.741575e-06	1.177868e-04	3.000790e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.389868e-04	2.364026e-04	3.160647e-04	8.304561e-05

C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.440755e-04	2.448435e-04	3.266931e-04	8.677779e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	6.924226e-05	2.325269e-04	7.021841e-05	2.036265e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.806140e-04	6.065475e-04	1.833860e-04	5.306290e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.510456e-04	1.477148e-04	4.263785e-04	1.102168e-04
C25_33	0	3.503383e-04	3.039650e-04	1.336714e-03	2.178977e-04
C25	0	3.846931e-04	3.605832e-04	1.430055e-03	2.391018e-04
C26	0	3.036782e-04	1.998537e-04	1.132895e-03	2.147546e-04
C27	0	3.022197e-03	6.230727e-03	1.204033e-02	6.891730e-04
C27	0	3.182129e-04	2.186897e-04	1.183979e-03	2.213471e-04
C28_32	0	1.985899e-03	4.165988e-03	8.844854e-03	4.636808e-04
C29	0	3.732195e-04	2.222147e-04	1.382298e-03	2.724830e-04
C30	0	4.271785e-04	9.390834e-05	1.609883e-03	3.653993e-04
C31	0	2.749945e-03	5.908435e-03	1.212916e-02	5.825897e-04
E37-39	0	1.604020e-04	2.698277e-04	3.649178e-04	9.613528e-05
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	1.436746e-04	7.582027e-06	5.065753e-04	1.287599e-04
D35	0	2.293372e-04	2.180461e-04	6.604609e-04	1.662490e-04
D35	0	1.098707e-04	6.443224e-05	3.402002e-04	8.805795e-05
D35	0	1.699286e-04	2.502024e-04	4.264410e-04	1.046489e-04
D35	0	3.343250e-06	5.772970e-06	8.392740e-06	9.725148e-07
D35	0	1.488155e-04	1.043210e-05	5.228531e-04	1.325228e-04
D35	0	5.117146e-05	3.899095e-05	1.520551e-04	3.873806e-05
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	1.006280e-05	8.531656e-06	2.979091e-05	7.547407e-06
D35	0	5.543152e-05	9.825141e-05	1.213496e-04	3.096351e-05
D35	0	1.922980e-04	2.002016e-04	5.426457e-04	1.365804e-04
D35	0	1.231739e-04	2.803320e-05	4.559097e-04	1.031842e-04
D35	0	1.097424e-04	1.256975e-05	3.843954e-04	9.610442e-05
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0	1.429581e-05	3.372803e-05	2.016527e-05	2.884572e-06
F	0	2.586261e-03	5.307457e-03	8.019716e-03	8.238728e-04
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	5.160803e-04	1.240881e-03	9.924194e-04	2.153099e-04
G47	0	3.835991e-04	8.613916e-04	7.417117e-04	1.819600e-04
G46	0	4.861835e-03	7.475659e-03	1.204410e-02	2.746009e-03
G47	0	6.752794e-04	8.273224e-04	2.438731e-03	3.947900e-04
I	0	3.448761e-04	7.165857e-04	1.422533e-03	8.036729e-05
H49	0	7.777360e-04	1.107959e-03	1.656446e-03	3.989794e-04
H49	0	3.934724e-03	5.813517e-03	9.035803e-03	1.916839e-03
H49	0	5.928844e-05	8.007731e-05	2.896282e-04	2.945548e-05
H50	0	4.771483e-04	6.976487e-04	9.762732e-04	2.352354e-04
H50	0	1.180640e-05	1.741022e-05	2.475432e-05	3.486570e-06

H51	0	3.309665e-04	6.340414e-04	1.426741e-03	1.028747e-04
H52	0	2.002543e-03	3.248167e-03	4.996046e-03	8.651119e-04
H53	0	5.415170e-04	7.994419e-04	1.961953e-03	2.293116e-04
K64	0	9.959676e-03	2.098151e-02	3.805352e-02	2.250643e-03
K65	0	2.038258e-04	4.138338e-04	7.223219e-04	4.757164e-05
K66	0	3.641907e-04	7.718758e-04	1.430894e-03	8.436999e-05
L68	0	1.866991e-04	3.907561e-04	6.992104e-04	4.075334e-05
M_N	0	1.881687e-03	3.889371e-03	6.760916e-03	3.939222e-04
J62_63	0	2.644234e-05	5.666193e-05	9.100871e-05	5.761584e-06
M_N	0	1.384108e-04	1.116485e-05	4.864529e-04	1.227998e-04
M_N	0	3.992965e-03	8.127535e-03	1.433209e-02	8.597738e-04
O84	0	6.706581e-05	1.249731e-04	3.607100e-04	1.682907e-05
P85	0	2.695096e-05	6.603364e-05	8.193865e-05	6.585996e-06
M_N	0	2.855324e-04	4.537872e-05	1.207869e-03	2.467120e-04
E37-39	0	1.235024e-08	2.643345e-08	4.843642e-08	2.678772e-09
E37-39	0	1.487414e-08	3.183933e-08	5.834616e-08	3.224813e-09
E37-39	0	4.040011e-08	8.649762e-08	1.585269e-07	8.752666e-09
E37-39	0	2.876428e-04	3.283785e-04	3.507976e-04	0.000000e+00
E37-39	0	8.495053e-08	1.817141e-07	3.328603e-07	1.846392e-08
E37-39	0	7.332062e-09	1.569183e-08	2.875240e-08	1.590727e-09
E37-39	0	7.154406e-08	1.531431e-07	1.561526e-05	1.551224e-08
E37-39	0	4.437085e-08	9.489272e-08	1.738029e-07	0.000000e+00
E37-39	0	2.806891e-08	6.001868e-08	1.099179e-07	0.000000e+00
E37-39	0	8.366128e-09	1.790339e-08	3.280312e-08	1.815609e-09
E37-39	0	2.940721e-06	6.296728e-06	1.154081e-05	6.369017e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	1.509015e-07	3.228285e-07	5.913939e-07	3.278353e-08
E37-39	0	1.240635e-07	2.656461e-07	4.868820e-07	2.687008e-08
E37-39	0	1.432676e-04	2.239741e-06	5.074569e-04	1.313928e-04
E37-39	0	1.514066e-04	8.363974e-05	4.748158e-04	1.237163e-04
E37-39	0	6.505635e-05	1.032317e-04	1.542885e-04	4.036367e-05
E37-39	0	1.016396e-04	5.548088e-05	3.720616e-04	9.320822e-05
E37-39	0	8.307587e-05	3.001492e-05	3.796904e-04	7.060145e-05
E37-39	0	9.612985e-05	3.635469e-05	3.937155e-04	8.147483e-05
R_S	0	2.227983e-04	9.583458e-05	1.026268e-03	1.809368e-04
R_S	0	2.646620e-04	5.325167e-04	9.775585e-04	7.109675e-05
R_S	0	1.545045e-04	7.032573e-05	5.507482e-04	1.183408e-04
T	0	6.604180e-05	1.379428e-04	4.662765e-04	1.554032e-05
U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WE A01	0	7.550705e-05	2.320809e-04	1.099996e-04	2.368976e-05
A01	0	2.647090e-02	4.074709e-04	2.426808e-03	2.089196e-04
A01	0	2.507589e-04	2.908867e-02	1.622473e-03	1.757592e-04
A01	0	4.104956e-04	5.913043e-04	8.112444e-01	2.344844e-04
A01	0	2.849640e-04	2.985526e-04	3.286485e-03	5.996315e-03
A01	0	2.555022e-04	2.290475e-04	7.659410e-04	1.870749e-04
A01	0	1.528000e-04	2.796424e-04	3.710814e-04	8.168876e-05
A01	0	3.213910e-04	4.339612e-04	1.384351e-03	2.041221e-04
A01	0	5.434253e-04	7.191588e-04	1.752711e-03	3.993835e-04

A01	0	5.685567e-04	5.655915e-04	1.801685e-03	3.987963e-04
A01	0	5.327227e-04	6.493947e-04	1.526799e-03	3.634226e-04
A01	0	3.759301e-04	5.132582e-04	1.187859e-03	2.056191e-04
A01	0	2.158332e-04	4.669789e-04	5.884886e-04	7.789250e-05
A01	0	6.652287e-04	8.391817e-04	1.926792e-03	4.599071e-04
A01	0	2.316296e-04	1.764588e-04	7.036077e-04	1.785877e-04
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0	1.644962e-04	2.568458e-04	4.936427e-04	9.008374e-05
A03	0	2.722752e-05	8.423459e-05	4.205152e-05	7.469369e-06
B_nongas	0	2.146977e-03	4.229830e-03	7.910108e-03	6.038203e-04
B_nongas	0	1.553843e-04	2.075637e-04	3.704922e-04	8.790066e-05
B_gas	0	5.913870e-04	8.820963e-04	1.243293e-03	2.748003e-04
B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	1.505713e-04	1.848429e-04	4.941728e-04	8.753238e-05
B_nongas	0	1.764148e-04	2.472804e-04	5.160207e-04	1.019525e-04
B_nongas	0	2.492671e-04	2.859272e-04	7.572541e-04	1.591498e-04
B_nongas	0	9.238330e-06	2.191667e-05	2.656150e-05	2.209593e-06
B_nongas	0	2.983630e-05	5.733387e-05	8.860257e-05	1.173743e-05
B_nongas	0	2.647820e-04	3.181112e-04	8.132620e-04	1.649859e-04
B_nongas	0	1.155646e-04	1.275984e-04	4.187000e-04	6.280779e-05
B_nongas	0	5.352736e-05	1.183476e-04	1.884941e-04	1.282946e-05
B_nongas	0	1.169064e-05	2.658935e-05	5.021790e-05	1.949684e-06
B_nongas	0	3.043289e-04	3.791389e-04	9.574833e-04	1.785077e-04
B_nongas	0	5.289215e-03	1.200703e-02	2.008876e-02	1.125863e-03
C10-12	0	2.321857e-04	3.183626e-04	7.270180e-04	1.284318e-04
C10-12	0	2.397719e-04	4.018494e-04	6.848634e-04	1.209805e-04
C10-12	0	2.379910e-04	3.091506e-04	7.649150e-04	1.344357e-04
C10-12	0	2.035770e-04	2.627472e-04	6.676945e-04	1.154234e-04
C10-12	0	4.372724e-04	1.083565e-03	8.302045e-04	1.853719e-04
C10-12	0	4.343399e-04	7.888375e-04	1.283602e-03	1.923209e-04
C10-12	0	1.130036e-04	2.989140e-04	2.922734e-04	3.130106e-05
C10-12	0	1.667261e-04	2.193504e-04	5.068603e-04	9.875177e-05
C10-12	0	9.821422e-04	2.690119e-03	1.738652e-03	3.538472e-04
C10-12	0	2.006981e-04	2.794320e-04	6.077203e-04	1.135787e-04
C10-12	0	1.952900e-04	2.678943e-04	6.103559e-04	1.095607e-04
C10-12	0	1.214009e-04	1.252139e-04	3.766977e-04	8.116048e-05
C13-15	0	2.047830e-03	5.204194e-03	8.242956e-03	3.658862e-04
C13-15	0	1.497878e-04	3.826104e-04	7.650615e-04	1.314727e-05
C13-15	0	1.689526e-03	3.935931e-03	7.707162e-03	2.757428e-04
C16	0	5.225130e-03	1.148503e-02	2.142738e-02	9.630193e-04
C16	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	3.385126e-04	4.734203e-04	1.119749e-03	1.758515e-04
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	1.529584e-03	3.308854e-03	5.927465e-03	3.385417e-04
C18	0	7.775575e-04	1.537784e-03	2.785681e-03	1.982266e-04
C19	0	2.480815e-04	4.179827e-04	5.592491e-04	1.118076e-04
C19	0	2.346847e-02	5.518868e-02	1.719897e-02	4.814105e-03

C24	0	1.298691e-03	4.024011e-03	1.616447e-03	4.376930e-04
C20-21	0	3.960277e-03	1.233149e-02	5.323083e-03	1.210966e-03
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	2.107347e-04	6.117969e-04	4.454768e-04	5.370278e-05
C20-21	0	2.950158e-02	1.215980e-03	1.036803e-01	2.696949e-02
C20-21	0	5.328699e-03	4.907193e-03	1.882998e-02	3.378462e-03
C22	0	1.317724e-02	3.013385e-02	5.495687e-02	2.097674e-03
C23	0	8.216112e-03	1.771259e-02	3.204138e-02	1.514696e-03
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	2.048651e-04	3.078704e-04	6.574605e-04	1.042829e-04
C23	0	1.638479e-04	2.049653e-04	5.300568e-04	9.502447e-05
C23	0	3.224456e-04	5.554598e-04	1.097589e-03	1.333519e-04
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	4.064298e-04	7.542127e-04	1.477744e-03	1.363425e-04
C24	0	1.505879e-04	2.250021e-04	4.440885e-04	7.850364e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.409519e-04	3.692004e-04	7.732030e-04	1.212888e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.071820e-04	3.307954e-04	6.247680e-04	1.051273e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.602491e-04	2.023042e-04	5.244997e-04	9.239260e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.834105e-04	4.616393e-04	9.444397e-04	1.276680e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.520479e-04	1.834164e-04	4.600135e-04	9.569944e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	2.147866e-04	3.108774e-04	6.979318e-04	1.106249e-04
C25_33	0	1.448358e-02	3.167564e-02	5.485565e-02	2.322313e-03
C25	0	6.802793e-03	1.510507e-02	2.538137e-02	1.452547e-03
C26	0	7.903058e-04	1.624041e-03	3.177411e-03	2.095586e-04
C27	0	2.035633e-01	4.430995e-01	8.121081e-01	3.853855e-02
C27	0	1.375458e-03	2.854795e-03	5.343277e-03	3.267391e-04
C28_32	0	2.204219e-03	4.924122e-03	8.738239e-03	4.713729e-04
C29	0	3.222633e-03	6.826576e-03	1.268303e-02	7.003178e-04
C30	0	5.362415e-04	9.721470e-04	1.990247e-03	1.854200e-04
C31	0	5.216314e-02	1.208515e-01	2.307203e-01	8.210537e-03
E37-39	0	1.450418e-04	1.717913e-04	4.420964e-04	9.147121e-05
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	4.361407e-04	6.478276e-04	1.454957e-03	2.122524e-04
D35	0	5.120367e-04	7.576536e-04	1.750001e-03	2.417018e-04
D35	0	2.431014e-04	3.348223e-04	7.765457e-04	1.320457e-04
D35	0	2.433762e-04	2.833001e-04	7.715925e-04	1.493204e-04
D35	0	1.530526e-04	3.223133e-04	5.363345e-04	3.186911e-05
D35	0	1.232490e-04	2.304819e-04	4.193074e-04	4.175704e-05
D35	0	1.611400e-04	3.407326e-04	5.790124e-04	3.299860e-05
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

D35	0	5.897095e-05	1.233483e-04	2.293394e-04	1.398392e-05
D35	0	1.914163e-04	3.757482e-04	5.823868e-04	7.161574e-05
D35	0	3.763555e-04	5.292979e-04	1.260611e-03	1.916203e-04
D35	0	5.159378e-04	8.562038e-04	1.787907e-03	2.127727e-04
D35	0	5.616242e-04	8.768190e-04	1.899865e-03	2.514535e-04
D35	0	4.649498e-04	7.551345e-04	1.509192e-03	1.970648e-04
E36	0	1.581964e-04	3.850335e-04	4.434980e-04	3.374160e-05
F	0	1.329454e-02	2.991563e-02	4.184858e-02	3.240625e-03
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	4.746768e-04	7.443630e-04	1.564064e-03	2.103742e-04
G47	0	2.507155e-04	3.151722e-04	7.847582e-04	1.433065e-04
G46	0	4.757558e-03	9.044283e-03	1.336132e-02	1.673805e-03
G47	0	3.412558e-03	8.312843e-03	1.064822e-02	9.193123e-04
I	0	9.237722e-04	1.945472e-03	3.515318e-03	2.056426e-04
H49	0	7.540231e-03	1.108962e-02	1.562157e-02	3.743218e-03
H49	0	1.769161e-02	2.693930e-02	3.917207e-02	8.390857e-03
H49	0	1.491356e-04	3.023752e-04	5.355509e-04	3.531496e-05
H50	0	3.427793e-04	5.720771e-04	8.407218e-04	1.338197e-04
H50	0	4.096405e-04	6.139068e-04	8.769166e-04	1.960041e-04
H51	0	5.242420e-04	1.019249e-03	1.766618e-03	1.549257e-04
H52	0	5.955150e-03	9.709407e-03	1.493409e-02	2.551548e-03
H53	0	1.998859e-03	4.182724e-03	7.294267e-03	4.445470e-04
K64	0	4.342622e-02	9.148986e-02	1.659560e-01	9.816634e-03
K65	0	5.479135e-04	1.112774e-03	1.942469e-03	1.277248e-04
K66	0	8.579438e-04	1.815177e-03	3.343514e-03	1.972710e-04
L68	0	3.474814e-04	7.296706e-04	1.272254e-03	8.049308e-05
M_N	0	2.787960e-03	5.782107e-03	1.002911e-02	5.753757e-04
J62_63	0	8.211018e-05	1.710723e-04	2.998194e-04	1.742402e-05
M_N	0	2.005873e-04	2.462425e-04	5.785343e-04	1.277516e-04
M_N	0	1.627549e-02	3.358025e-02	5.837287e-02	3.363110e-03
O84	0	1.455532e-04	3.115584e-04	3.891958e-04	4.051135e-05
P85	0	5.604895e-05	1.199986e-04	2.038008e-04	1.215090e-05
M_N	0	1.065490e-04	1.381848e-04	3.247150e-04	6.322393e-05
E37-39	0	1.621552e-07	3.470639e-07	6.359567e-07	3.517153e-08
E37-39	0	2.146309e-07	4.594352e-07	8.419235e-07	4.653340e-08
E37-39	0	1.330632e-06	2.848916e-06	5.221299e-06	2.882809e-07
E37-39	0	1.061576e-04	1.211916e-04	1.294655e-04	0.000000e+00
E37-39	0	6.550078e-08	1.401099e-07	2.566506e-07	1.423654e-08
E37-39	0	4.519488e-08	9.672453e-08	1.772300e-07	9.805251e-09
E37-39	0	4.611716e-08	9.871575e-08	1.006557e-05	9.999159e-09
E37-39	0	3.413491e-08	7.300186e-08	1.337082e-07	0.000000e+00
E37-39	0	2.233032e-08	4.774807e-08	8.744560e-08	0.000000e+00
E37-39	0	5.002008e-09	1.070422e-08	1.961260e-08	1.085531e-09
E37-39	0	1.421022e-06	3.042720e-06	5.576777e-06	3.077652e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	7.286767e-08	1.558882e-07	2.855737e-07	1.583059e-08
E37-39	0	6.024064e-08	1.289879e-07	2.364118e-07	1.304712e-08
E37-39	0	1.304131e-04	1.800415e-04	4.061461e-04	7.354505e-05

	E37-39	0	1.180707e-04	1.971402e-04	3.613810e-04	5.704060e-05
	E37-39	0	5.384587e-05	1.153112e-04	1.938627e-04	1.299239e-05
	E37-39	0	1.712642e-04	2.373045e-04	5.610697e-04	1.082048e-04
	E37-39	0	6.598630e-05	1.375256e-04	2.251273e-04	1.890335e-05
	E37-39	0	7.041463e-05	1.466683e-04	2.332026e-04	2.165354e-05
	R_S	0	6.013004e-05	1.336348e-04	1.663373e-04	2.053453e-05
	R_S	0	5.513780e-04	1.180266e-03	2.008144e-03	1.196961e-04
	R_S	0	1.408389e-04	2.470146e-04	4.590257e-04	6.032399e-05
	T	0	7.099193e-05	1.886883e-04	1.925793e-04	1.735977e-05
	U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WF	A01	0	5.620879e-04	1.165988e-04	1.907328e-03	4.878856e-04
	A01	0	6.028543e-04	1.566879e-04	4.837752e-03	5.039252e-04
	A01	0	5.693930e-04	2.195187e-04	3.874008e-03	4.674191e-04
	A01	0	6.035552e-04	5.138262e-04	1.512300e+00	3.098307e-04
	A01	0	5.222037e-04	1.387062e-04	6.779934e-03	2.941942e-03
	A01	0	5.847137e-04	1.357049e-04	1.944305e-03	4.977612e-04
	A01	0	2.308973e-04	2.385810e-04	6.140057e-04	1.604966e-04
	A01	0	9.256672e-04	1.050895e-03	2.960450e-03	4.608695e-04
	A01	0	1.493579e-03	2.376948e-04	5.312233e-03	1.297552e-03
	A01	0	1.502076e-03	3.380574e-04	5.329432e-03	1.279164e-03
	A01	0	1.266289e-03	5.381228e-04	3.550017e-03	9.227008e-04
	A01	0	5.417902e-04	8.185251e-04	1.937764e-03	2.170138e-04
	A01	0	5.354700e-04	8.609560e-04	2.001016e-03	2.056140e-04
	A01	0	1.647702e-03	1.890526e-04	5.644153e-03	1.449024e-03
	A01	0	1.403362e-04	5.359279e-05	4.610162e-04	1.178812e-04
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0	1.738381e-04	2.787865e-04	5.105527e-04	8.564753e-05
	A03	0	5.991669e-05	1.424726e-04	2.045821e-04	1.207888e-05
	B_nongas	0	8.939380e-05	5.870164e-05	3.028005e-04	6.409895e-05
	B_nongas	0	1.170122e-03	6.750133e-04	4.000037e-03	8.753626e-04
	B_gas	0	1.409828e-03	6.399858e-04	4.806430e-03	1.121521e-03
	B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0	7.448182e-05	5.874337e-05	2.413087e-04	4.892390e-05
	B_nongas	0	9.789715e-05	6.143393e-05	3.387440e-04	7.127803e-05
	B_nongas	0	1.362657e-04	1.141657e-04	4.516151e-04	8.388156e-05
	B_nongas	0	2.018119e-05	1.748529e-05	6.550554e-05	1.399310e-05
	B_nongas	0	5.966136e-05	1.696274e-05	2.143932e-04	4.927338e-05
	B_nongas	0	2.618899e-04	2.014058e-04	8.161603e-04	1.646515e-04
	B_nongas	0	9.189907e-05	6.320880e-05	3.286478e-04	6.168719e-05
	B_nongas	0	1.272687e-04	1.181929e-04	4.784238e-04	7.787372e-05
	B_nongas	0	1.751320e-04	2.319146e-04	6.588305e-04	8.292061e-05
	B_nongas	0	1.653646e-04	1.715961e-04	5.721625e-04	9.227881e-05
	B_nongas	0	1.956656e-03	4.378584e-03	7.772048e-03	3.861401e-04
	C10-12	0	1.115968e-04	9.431745e-05	3.841426e-04	7.031570e-05
	C10-12	0	1.118444e-04	9.812063e-05	3.439147e-04	6.602622e-05
	C10-12	0	1.139224e-04	9.620079e-05	3.886194e-04	7.216858e-05
	C10-12	0	7.585424e-05	5.786733e-05	2.613163e-04	5.201761e-05

C10-12	0	1.338463e-04	1.365985e-04	3.001565e-04	6.846802e-05
C10-12	0	1.353626e-04	1.256068e-04	4.268013e-04	7.749715e-05
C10-12	0	5.341236e-05	9.292808e-05	1.884108e-04	1.964201e-05
C10-12	0	6.781879e-05	5.660915e-05	2.230978e-04	4.307143e-05
C10-12	0	1.761424e-04	2.123744e-04	4.031380e-04	8.615839e-05
C10-12	0	1.103251e-04	9.225430e-05	3.618466e-04	7.055704e-05
C10-12	0	6.247548e-05	5.010904e-05	1.876388e-04	4.121245e-05
C10-12	0	3.356176e-05	8.359490e-06	1.181568e-04	2.770082e-05
C13-15	0	1.186117e-03	2.743848e-03	5.339613e-03	1.910463e-04
C13-15	0	8.582104e-05	1.995279e-04	4.050328e-04	1.576770e-05
C13-15	0	2.135194e-03	5.003543e-03	9.843994e-03	3.275546e-04
C16	0	3.919456e-04	7.780438e-04	1.569054e-03	9.949257e-05
C16	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	8.955146e-05	7.044710e-05	3.125821e-04	5.926272e-05
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	1.322232e-04	1.527348e-04	3.938934e-04	6.415770e-05
C18	0	1.232137e-04	2.072644e-04	4.348885e-04	4.285499e-05
C19	0	8.992843e-05	5.345966e-05	3.256320e-04	6.452581e-05
C19	0	6.227602e-04	1.169702e-03	1.134682e-03	2.692585e-04
C24	0	6.043431e-05	2.029926e-04	6.127271e-05	1.776126e-05
C20-21	0	1.321126e-04	1.572921e-04	3.190715e-04	6.396893e-05
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	2.873112e-05	6.127098e-05	1.028250e-04	5.788029e-06
C20-21	0	1.732283e-02	7.318743e-05	6.131711e-02	1.595707e-02
C20-21	0	5.670943e-03	1.905129e-02	5.745052e-03	1.666374e-03
C22	0	1.247621e-03	2.469414e-03	4.885526e-03	2.874967e-04
C23	0	6.805921e-04	1.387150e-03	2.629578e-03	1.524246e-04
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	8.418530e-05	7.764603e-05	2.842140e-04	4.789637e-05
C23	0	6.671000e-05	4.871699e-05	2.341335e-04	4.531713e-05
C23	0	9.000351e-05	9.176478e-05	3.059245e-04	5.102367e-05
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	2.052828e-04	3.582760e-04	7.723708e-04	6.629293e-05
C24	0	1.221969e-04	1.309305e-04	4.079330e-04	6.679758e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	1.026583e-04	1.002043e-04	3.416092e-04	5.908370e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	7.086906e-05	6.413303e-05	2.155883e-04	4.139415e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	6.468577e-05	4.523917e-05	2.345588e-04	4.400612e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	8.814220e-05	1.101695e-04	2.945979e-04	4.514449e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	7.194830e-05	4.449233e-05	2.567140e-04	5.057845e-05
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	6.962234e-05	6.626197e-05	2.397019e-04	4.268711e-05
C25_33	0	1.585042e-03	3.333339e-03	6.100421e-03	3.176867e-04
C25	0	2.801346e-03	6.078643e-03	1.070225e-02	5.854262e-04

C26	0	2.439460e-04	4.401151e-04	9.433387e-04	7.491444e-05
C27	0	1.424393e-01	3.100497e-01	5.683333e-01	2.694852e-02
C27	0	1.629134e-03	3.442833e-03	6.459885e-03	3.409468e-04
C28_32	0	1.183749e-03	2.530308e-03	4.807643e-03	2.414922e-04
C29	0	1.158885e-03	2.422739e-03	4.601834e-03	2.535753e-04
C30	0	1.806974e-04	2.780941e-04	6.827000e-04	7.346021e-05
C31	0	2.777670e-03	6.340521e-03	1.217555e-02	4.626983e-04
E37-39	0	5.261741e-05	3.904416e-05	1.674646e-04	3.736506e-05
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	8.294384e-05	6.632829e-05	2.887129e-04	5.509660e-05
D35	0	1.261757e-04	1.909826e-04	4.641928e-04	5.363675e-05
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	6.338348e-05	7.883136e-05	2.204054e-04	3.409518e-05
D35	0	3.735395e-05	8.063596e-05	1.469058e-04	7.103366e-06
D35	0	6.912158e-05	5.667503e-05	2.465863e-04	4.478634e-05
D35	0	3.780841e-05	7.837379e-05	1.411036e-04	6.995606e-06
D35	0	1.195481e-05	2.594455e-05	4.729455e-05	2.285324e-06
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	3.064378e-05	6.585823e-05	1.218531e-04	6.105394e-06
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	8.409607e-05	9.520320e-05	2.981604e-04	4.701601e-05
D35	0	1.255087e-04	2.098386e-04	4.662811e-04	4.686602e-05
D35	0	1.108874e-04	7.054132e-05	3.877793e-04	7.925481e-05
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0	2.430715e-05	4.867433e-05	7.677828e-05	3.820182e-06
F	0	2.789271e-03	6.120483e-03	9.494810e-03	6.613344e-04
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	0	7.659296e-04	1.467938e-03	2.908455e-03	2.151707e-04
G47	0	1.049998e-04	1.064785e-04	3.353634e-04	6.614898e-05
G46	0	6.814397e-03	1.381764e-02	2.497363e-02	1.648635e-03
G47	0	9.444001e-04	1.812967e-03	3.633224e-03	2.589738e-04
I	0	1.937388e-04	4.064218e-04	7.352203e-04	4.233400e-05
H49	0	4.118697e-04	6.153053e-04	9.323010e-04	1.959142e-04
H49	0	8.762917e-04	1.368247e-03	2.167048e-03	3.893904e-04
H49	0	4.940087e-05	9.413990e-05	1.733135e-04	1.219637e-05
H50	0	2.331976e-03	3.402055e-03	4.751145e-03	1.170193e-03
H50	0	1.375530e-05	2.216707e-05	3.377449e-05	2.753501e-06
H51	0	1.320236e-04	2.659632e-04	4.688090e-04	3.458434e-05
H52	0	1.349611e-03	2.406146e-03	3.939656e-03	4.847631e-04
H53	0	5.802292e-04	1.203200e-03	2.196412e-03	1.324481e-04
K64	0	6.456741e-03	1.360251e-02	2.467227e-02	1.459288e-03
K65	0	4.076978e-04	8.272456e-04	1.443035e-03	9.524228e-05
K66	0	1.656550e-04	3.519448e-04	6.579372e-04	3.873777e-05
L68	0	1.121020e-04	2.373657e-04	4.143277e-04	2.457528e-05
M_N	0	9.681846e-04	2.004032e-03	3.488825e-03	2.000165e-04
J62_63	0	2.027873e-05	4.246873e-05	7.484145e-05	4.172628e-06
M_N	0	1.162417e-04	7.368276e-05	3.930343e-04	7.814219e-05

M_N	0	3.241421e-03	6.685558e-03	1.162632e-02	6.704150e-04
O84	0	7.061846e-05	1.241120e-04	1.975308e-04	1.461697e-05
P85	0	1.325885e-05	2.821472e-05	4.970964e-05	2.988438e-06
M_N	0	2.472085e-06	5.135906e-06	8.959198e-06	5.077981e-07
E37-39	0	1.300959e-07	2.784467e-07	5.102233e-07	2.821786e-08
E37-39	0	1.556476e-07	3.331766e-07	6.105522e-07	3.374543e-08
E37-39	0	5.574152e-08	1.193439e-07	2.187255e-07	1.207637e-08
E37-39	0	2.027141e-04	2.314224e-04	2.472220e-04	0.000000e+00
E37-39	0	5.476528e-08	1.171461e-07	2.145859e-07	1.190319e-08
E37-39	0	3.983590e-08	8.525543e-08	1.562150e-07	8.642594e-09
E37-39	0	5.375814e-08	1.150716e-07	1.173329e-05	1.165588e-08
E37-39	0	3.147027e-08	6.730319e-08	1.232707e-07	0.000000e+00
E37-39	0	4.311737e-08	9.219623e-08	1.688478e-07	0.000000e+00
E37-39	0	8.352888e-09	1.787506e-08	3.275121e-08	1.812736e-09
E37-39	0	2.038384e-06	4.364626e-06	7.999601e-06	4.414734e-07
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	4.089102e-08	8.747950e-08	1.602549e-07	8.883625e-09
E37-39	0	9.029836e-08	1.933478e-07	3.543721e-07	1.955711e-08
E37-39	0	5.744971e-05	1.558680e-05	1.947665e-04	4.945043e-05
E37-39	0	5.956137e-05	5.890988e-05	2.159617e-04	3.600286e-05
E37-39	0	2.594389e-05	5.158794e-05	9.945016e-05	6.825145e-06
E37-39	0	9.773025e-05	7.704218e-05	3.613148e-04	7.287655e-05
E37-39	0	3.483365e-05	6.591314e-05	1.325638e-04	1.042428e-05
E37-39	0	4.953022e-05	9.539532e-05	1.895151e-04	1.422924e-05
R_S	0	1.382833e-05	1.007086e-05	4.905149e-05	9.600950e-06
R_S	0	1.091431e-04	2.292422e-04	4.032508e-04	2.319906e-05
R_S	0	3.000468e-05	3.690947e-05	1.112806e-04	1.549986e-05
T	0	5.644090e-05	1.197129e-04	2.176291e-04	1.235563e-05
U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WM A01	0	8.837341e-04	2.955417e-03	9.230879e-04	2.593638e-04
A01	0	9.692746e-04	3.242180e-03	3.271962e-03	2.849460e-04
A01	0	1.083298e-03	3.619271e-03	3.549351e-03	3.176273e-04
A01	0	1.355261e-03	4.525985e-03	9.971434e-01	3.965333e-04
A01	0	1.051524e-03	3.515393e-03	5.705642e-03	2.169580e-03
A01	0	8.877285e-04	2.965531e-03	9.313512e-04	2.603847e-04
A01	0	1.069569e-03	3.574743e-03	1.128706e-03	3.130562e-04
A01	0	1.045552e-03	3.448363e-03	1.768462e-03	3.130252e-04
A01	0	8.295488e-04	2.754494e-03	9.879139e-04	2.449145e-04
A01	0	9.074755e-05	2.766138e-04	1.795801e-04	2.513559e-05
A01	0	1.098043e-03	3.660763e-03	1.157027e-03	3.223259e-04
A01	0	6.273412e-04	2.036969e-03	7.085610e-04	1.785029e-04
A01	0	7.353353e-04	2.419690e-03	7.905670e-04	2.112142e-04
A01	0	8.996029e-04	2.988833e-03	9.830121e-04	2.632799e-04
A01	0	2.744204e-06	5.271911e-06	9.688879e-06	7.243257e-07
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0	1.182951e-03	3.949953e-03	1.231765e-03	3.452598e-04
A03	0	5.484563e-05	1.758289e-04	6.922698e-05	1.541099e-05

B_nongas	0	8.245578e-06	2.134638e-05	2.033366e-05	2.038658e-06
B_nongas	0	1.915281e-02	6.352930e-02	2.113587e-02	5.574802e-03
B_gas	0	1.052464e-02	3.476855e-02	1.133521e-02	3.047698e-03
B_gas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	1.277905e-03	4.221761e-03	1.437551e-03	3.704210e-04
B_nongas	0	5.952078e-05	1.089445e-04	1.774636e-04	1.106938e-05
B_nongas	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0	1.770111e-04	5.816889e-04	2.087725e-04	5.122299e-05
B_nongas	0	2.303762e-03	7.651374e-03	2.481691e-03	6.706952e-04
B_nongas	0	6.961540e-04	2.290086e-03	7.556136e-04	1.998415e-04
B_nongas	0	4.125109e-04	1.269495e-03	7.161672e-04	1.113312e-04
B_nongas	0	6.222232e-04	1.895422e-03	1.039512e-03	1.646340e-04
B_nongas	0	9.551313e-04	2.975038e-03	1.410227e-03	2.622811e-04
B_nongas	0	7.423295e-03	2.488358e-02	7.668095e-03	2.176178e-03
C10-12	0	3.919250e-04	1.285492e-03	4.190757e-04	1.127446e-04
C10-12	0	6.806692e-04	2.263097e-03	7.096028e-04	1.982392e-04
C10-12	0	3.954110e-04	1.294028e-03	4.251921e-04	1.132008e-04
C10-12	0	5.587750e-04	1.861863e-03	5.882561e-04	1.636519e-04
C10-12	0	3.216869e-06	5.191069e-06	8.744742e-06	6.620036e-07
C10-12	0	1.236089e-03	4.105444e-03	1.308468e-03	3.595640e-04
C10-12	0	4.785698e-04	1.607285e-03	4.857230e-04	1.406386e-04
C10-12	0	1.196962e-05	1.920238e-05	3.019520e-05	1.928874e-06
C10-12	0	4.689633e-03	1.570610e-02	4.814377e-03	1.374269e-03
C10-12	0	4.961125e-04	1.634122e-03	5.365450e-04	1.430897e-04
C10-12	0	4.484734e-04	1.469129e-03	4.955993e-04	1.286693e-04
C10-12	0	7.897195e-06	1.096322e-05	7.613072e-04	2.916160e-05
C13-15	0	2.817945e-03	6.911117e-03	1.357683e-02	3.263455e-04
C13-15	0	8.214422e-05	2.011610e-04	3.948828e-04	9.335591e-06
C13-15	0	8.193081e-04	2.250532e-03	2.663404e-03	1.628448e-04
C16	0	9.061665e-04	2.608876e-03	2.079707e-03	2.190324e-04
C16	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	4.659280e-04	1.528020e-03	5.090769e-04	1.335262e-04
C17	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0	1.652449e-03	5.314552e-03	2.236294e-03	4.653284e-04
C18	0	6.386081e-04	1.900252e-03	1.152860e-03	1.702559e-04
C19	0	4.180140e-04	1.399246e-03	4.322324e-04	1.226427e-04
C19	0	1.751705e-03	3.505571e-03	1.160893e-03	2.888040e-04
C24	0	3.402815e-06	7.057985e-06	1.344085e-05	7.643407e-07
C20-21	0	2.258097e-03	7.581452e-03	2.295514e-03	6.632520e-04
C20-21	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0	3.976315e-04	1.330120e-03	4.144891e-04	1.162850e-04
C20-21	0	6.223281e-03	2.066521e-02	6.489706e-03	1.873388e-03
C20-21	0	1.749154e-01	5.863790e-01	1.798107e-01	5.132261e-02
C22	0	1.310301e-02	3.136796e-02	5.159391e-02	2.099369e-03
C23	0	3.138361e-03	7.511099e-03	1.057366e-02	6.218192e-04
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	5.851835e-04	1.842471e-03	8.815700e-04	1.588845e-04

C23	0	9.292580e-06	1.619224e-05	2.752789e-05	1.336973e-06
C23	0	5.340959e-04	1.751556e-03	6.186226e-04	1.532105e-04
C23	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0	8.428435e-04	2.443441e-03	1.842350e-03	2.051564e-04
C24	0	6.792103e-04	2.166595e-03	9.153620e-04	1.880503e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	4.835776e-04	1.578900e-03	5.886078e-04	1.387908e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	8.269813e-04	2.744759e-03	8.962534e-04	2.395889e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	9.748169e-06	1.933462e-05	3.420561e-05	2.190623e-06
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	3.723403e-04	1.193422e-03	5.010880e-04	1.044335e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	4.250051e-04	1.411032e-03	4.620807e-04	1.239413e-04
C24	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0	7.208048e-04	2.369041e-03	8.360620e-04	2.062942e-04
C25_33	0	7.053752e-03	1.732734e-02	2.206195e-02	1.305919e-03
C25	0	5.381634e-03	1.427862e-02	1.484186e-02	1.262636e-03
C26	0	2.189619e-03	5.361486e-03	8.370627e-03	4.126066e-04
C27	0	1.127090e-01	2.458266e-01	4.487414e-01	2.132997e-02
C27	0	1.731328e-03	4.265228e-03	5.733449e-03	3.672945e-04
C28_32	0	6.328031e-03	1.668363e-02	2.213509e-02	1.216782e-03
C29	0	1.552989e-03	3.877856e-03	4.953721e-03	3.345865e-04
C30	0	5.975638e-04	1.814835e-03	1.059081e-03	1.582217e-04
C31	0	3.921653e-03	1.170703e-02	8.731966e-03	9.605553e-04
E37-39	0	8.419722e-04	2.806665e-03	8.746185e-04	2.454256e-04
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	3.109380e-04	1.012375e-03	3.537890e-04	8.833442e-05
D35	0	1.232070e-03	3.544149e-03	2.619977e-03	3.122191e-04
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	1.395090e-04	4.408676e-04	1.661813e-04	3.819473e-05
D35	0	7.733378e-06	1.438507e-05	2.092832e-05	1.152382e-06
D35	0	4.819088e-04	1.539095e-03	6.355923e-04	1.345470e-04
D35	0	5.397614e-06	1.131435e-05	1.961135e-05	1.033641e-06
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0	5.066102e-04	1.617682e-03	6.658053e-04	1.415110e-04
D35	0	1.321690e-03	3.814075e-03	2.788338e-03	3.350870e-04
D35	0	5.186789e-04	1.699719e-03	5.838799e-04	1.487899e-04
D35	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0	2.073519e-04	5.416424e-04	3.067200e-04	4.262867e-05
F	0	7.142567e-03	1.689671e-02	2.041171e-02	1.763376e-03
F	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45					

G47	0	4.679498e-04	1.437451e-03	6.445409e-04	1.373468e-04
G46	0	1.302436e-02	3.646656e-02	2.196836e-02	4.074987e-03
G47	0	1.308965e-03	3.879424e-03	2.261839e-03	3.660239e-04
I	0	2.598520e-03	5.463093e-03	9.871456e-03	5.818884e-04
H49	0	2.036163e-03	3.059924e-03	4.304111e-03	9.806406e-04
H49	0	4.076124e-03	6.535918e-03	9.680173e-03	1.784026e-03
H49	0	1.077770e-04	2.137495e-04	3.449869e-04	2.409735e-05
H50	0	1.573828e-03	2.314729e-03	3.251402e-03	7.654542e-04
H50	0	3.140059e-05	4.641496e-05	6.518797e-05	6.620645e-06
H51	0	1.215770e-03	2.340417e-03	4.037994e-03	3.711781e-04
H52	0	3.388280e-03	5.641439e-03	8.784975e-03	1.389216e-03
H53	0	1.943131e-03	4.920170e-03	5.361518e-03	4.706359e-04
K64	0	2.866068e-02	6.036184e-02	1.094124e-01	6.467630e-03
K65	0	7.629473e-04	1.548816e-03	2.702676e-03	1.780171e-04
K66	0	7.109251e-04	1.503580e-03	2.768183e-03	1.632927e-04
L68	0	3.017485e-04	6.730535e-04	1.036601e-03	6.847781e-05
M_N	0	1.124508e-02	2.333801e-02	4.043563e-02	2.315688e-03
J62_63	0	1.084606e-04	2.311161e-04	4.088701e-04	2.269107e-05
M_N	0	7.803432e-04	2.583269e-03	8.417361e-04	2.259477e-04
M_N	0	1.039116e-02	2.263451e-02	3.500428e-02	2.203191e-03
O84	0	9.201944e-04	2.915116e-03	1.337551e-03	2.591355e-04
P85	0	7.492488e-05	1.650482e-04	2.724979e-04	1.703082e-05
M_N	0	7.143148e-04	2.379079e-03	7.693039e-04	2.085538e-04
E37-39	0	5.911577e-07	1.265266e-06	2.318462e-06	1.282223e-07
E37-39	0	9.956527e-07	2.131277e-06	3.905604e-06	2.158641e-07
E37-39	0	3.885198e-06	8.318303e-06	1.524522e-05	8.417264e-07
E37-39	0	8.618820e-04	9.839411e-04	1.051117e-03	0.000000e+00
E37-39	0	2.162547e-07	4.625811e-07	8.473471e-07	4.700276e-08
E37-39	0	1.519622e-07	3.252244e-07	5.959141e-07	3.296896e-08
E37-39	0	2.296929e-07	4.916676e-07	5.013296e-05	4.980221e-08
E37-39	0	1.105751e-07	2.364789e-07	4.331281e-07	0.000000e+00
E37-39	0	1.206083e-07	2.578920e-07	4.723023e-07	0.000000e+00
E37-39	0	2.885807e-08	6.175585e-08	1.131509e-07	6.262752e-09
E37-39	0	5.831168e-06	1.248581e-05	2.288432e-05	1.262915e-06
E37-39	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0	3.965225e-07	8.482936e-07	1.554001e-06	8.614500e-08
E37-39	0	3.631737e-07	7.776313e-07	1.425260e-06	7.865734e-08
E37-39	0	9.235413e-05	2.950138e-04	1.291562e-04	2.611139e-05
E37-39	0	7.962571e-05	2.517228e-04	1.169962e-04	2.227426e-05
E37-39	0	2.007534e-05	5.787012e-05	4.048183e-05	5.125340e-06
E37-39	0	2.346217e-04	9.163171e-04	2.888883e-04	6.869783e-05
E37-39	0	2.943225e-05	8.735633e-05	5.340563e-05	7.897394e-06
E37-39	0	3.706493e-05	1.125729e-04	6.275292e-05	1.007178e-05
R_S	0	3.936489e-05	1.028131e-04	7.130012e-05	8.643197e-06
R_S	0	5.441309e-04	1.191464e-03	1.976027e-03	1.221135e-04
R_S	0	8.685901e-04	2.775269e-03	1.198892e-03	2.481115e-04
T	0	7.791536e-05	1.633042e-04	2.910429e-04	1.796424e-05
U	0	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

region					
sector		A01	A01	A01	A01
region sector					
AT	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	1.893377e-01	5.496777e+00
	A01	0.000000e+00	0.000000e+00	3.021008e-01	2.044474e+01
	A01	0.000000e+00	0.000000e+00	0.000000e+00	9.691579e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.689753e+01	1.153551e-03	1.415357e-02	8.747876e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.142535e-04	2.635970e-07	1.850670e+00	2.667778e+01
	A01	0.000000e+00	0.000000e+00	0.000000e+00	8.320247e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	4.358842e-04	1.005599e-06	1.603174e-03	5.987786e-02
	A01	3.520152e-04	8.121103e-07	1.294706e-03	3.560400e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	1.493455e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	1.803799e-03	5.018710e-07	9.351279e-03	2.941063e-02
	A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	7.647161e-06	6.850137e-08	2.487967e-05	3.733894e-04
	B_nongas	1.933718e-03	1.735658e-05	1.352317e-02	5.209533e-02
	B_gas	4.791337e-03	3.636637e-05	3.017983e-02	1.011853e-01
	B_gas	5.337156e-05	0.000000e+00	7.767743e-04	4.719414e-04
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	4.625106e-04	5.304325e-06	2.556859e-03	9.683641e-03
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.468202e-03	1.352627e-05	9.829867e-03	6.418709e-02
	B_nongas	9.615977e-03	2.175861e-05	4.031462e-02	1.677164e-01
	B_nongas	2.167202e-02	6.499938e-05	7.948681e-02	2.830992e-01
	B_nongas	3.985569e-02	5.381635e-06	1.696098e-01	5.468016e-01
	C10-12	2.995214e-03	2.431681e-06	1.071438e-02	6.364187e-01
	C10-12	1.645798e-03	1.348137e-06	5.905392e-03	2.292437e+00
	C10-12	2.489278e-03	3.077861e-05	5.471585e-03	3.161738e-02
	C10-12	4.212954e-04	5.251093e-06	9.258073e-04	1.782688e+01
	C10-12	5.313654e-04	6.785965e-06	1.149365e-03	3.016374e+00
	C10-12	3.219480e-03	1.355169e-05	1.037043e-02	3.392818e+00
	C10-12	1.245467e-05	8.652283e-08	4.160192e-05	9.646430e-03
	C10-12	1.014042e-03	8.813270e-06	2.690874e-03	2.302477e+00
	C10-12	4.899740e-03	5.859646e-06	1.788387e-02	1.404512e+01
	C10-12	1.805223e-03	1.908381e-06	6.538141e-03	3.419551e+01

C10-12	2.447552e-03	2.344580e-05	6.241374e-03	1.618452e-02
C10-12	1.300052e-02	1.117692e-03	2.331142e-01	9.263998e-02
C13-15	2.145451e-02	1.432393e-06	1.455709e-01	5.722506e-01
C13-15	2.014099e-03	1.337640e-05	6.580214e-03	2.060835e-02
C13-15	1.591637e-03	2.509197e-06	5.690868e-03	1.661747e-02
C16	1.689836e-01	5.130275e-05	7.800775e-01	2.429515e+00
C16	9.302276e-02	2.837107e-05	4.298263e-01	1.339274e+00
C17	2.437824e-03	3.350840e-05	5.034369e-03	1.318493e-02
C17	4.034632e-03	5.216921e-05	8.844269e-03	2.347197e-02
C17	9.633936e-02	1.404051e-06	3.739670e-01	1.085399e+00
C18	1.319527e-02	2.245684e-05	5.037636e-02	1.426763e-01
C19	2.474277e-03	6.923444e-06	5.961761e-03	8.924456e-03
C19	3.258494e-01	3.079124e-05	4.969244e+00	3.321313e+00
C24	3.154723e-05	2.686618e-05	1.299819e-04	5.991375e-05
C20-21	4.354074e-02	2.752327e-05	1.679198e-01	1.021852e+00
C20-21	1.391921e-02	2.236098e-05	5.174962e-02	2.220642e-01
C20-21	1.003921e+00	2.288315e-05	1.762294e+00	1.089724e+00
C20-21	1.884779e-03	2.321375e-05	4.780903e-03	1.296676e-02
C20-21	1.317900e-02	1.264177e-05	3.853416e-02	1.310472e-01
C22	1.451619e-01	1.878232e-04	7.404528e-01	2.440665e+00
C23	5.555996e-04	4.589688e-06	1.531587e-03	3.953709e-03
C23	4.716694e-04	3.896413e-06	1.300125e-03	3.356140e-03
C23	2.239522e-03	1.803258e-05	6.227517e-03	1.606643e-02
C23	3.148087e-03	2.287251e-05	9.403936e-03	2.515088e-02
C23	3.237971e-02	1.227381e-04	1.134856e-01	3.039575e-01
C23	7.341356e-03	8.142941e-06	2.903574e-02	8.010816e-02
C23	9.106996e-03	1.391214e-05	3.830688e-02	1.129937e-01
C24	1.329657e-02	7.716579e-06	5.183099e-02	1.397582e-01
C24	3.147675e-03	1.689775e-05	1.016074e-02	2.713179e-02
C24	9.457140e-04	5.076345e-06	3.052731e-03	8.151334e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.282438e-03	1.225539e-05	7.367689e-03	1.967313e-02
C24	1.578498e-02	7.945664e-06	6.287741e-02	1.738117e-01
C24	4.067580e-04	2.185955e-06	1.312788e-03	3.505170e-03
C24	3.718154e-04	2.000259e-06	1.199842e-03	3.203377e-03
C24	3.705730e-03	1.979212e-05	1.199843e-02	3.206219e-02
C24	9.050377e-03	4.517072e-05	2.998633e-02	8.042484e-02
C24	5.913934e-03	1.681564e-05	2.119794e-02	5.693707e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.882891e-03	5.741773e-06	3.837592e-02	1.033613e-01
C25_33	1.460073e-01	2.574349e-04	6.487619e-01	1.837614e+00
C25	2.622772e-01	1.216348e-04	9.538163e-01	2.134275e+00
C26	9.859622e-04	1.466118e-05	1.862166e-03	4.765739e-03
C27	1.533254e+00	5.035359e-04	6.353378e+00	1.890844e+01
C27	7.500975e-03	8.302742e-06	2.803852e-02	7.689215e-02
C28_32	7.122080e-02	1.096808e-05	3.459793e-01	1.121787e+00
C29	7.437307e-02	3.603195e-04	2.595598e-01	7.453064e-01
C30	4.685983e-03	2.381860e-05	1.580872e-02	4.401823e-02

C31	1.336938e-01	1.207065e-04	6.601375e-01	2.195967e+00
E37-39	3.743645e-04	2.238674e-05	1.956766e-03	4.295308e-03
E37-39	3.073041e-03	2.610726e-05	1.127968e-02	3.324154e-02
D35	5.295319e-03	1.821475e-06	3.961187e-01	1.363817e+00
D35	1.027014e-02	3.055959e-06	9.167492e-01	3.163823e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.725294e-02	4.899766e-06	2.488554e+00	8.588396e+00
D35	1.632033e-03	3.443857e-07	1.422839e-01	4.908058e-01
D35	1.221385e-03	5.713757e-07	7.780925e-02	2.672929e-01
D35	4.539362e-03	1.346278e-06	3.766766e-01	1.298475e+00
D35	2.342933e-05	3.869846e-09	2.105885e-03	7.266940e-03
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	9.179458e-07	1.210620e-10	1.138991e-04	3.927517e-04
D35	1.600617e-03	3.274521e-07	1.405585e-01	4.848968e-01
D35	1.649491e-02	1.366035e-05	5.352016e-01	1.811001e+00
D35	2.882855e-02	2.832591e-05	6.561300e-01	2.191549e+00
D35	1.543876e-02	2.626582e-05	4.888480e-01	1.654027e+00
D35	1.179742e-02	1.541772e-05	1.167512e-01	3.703463e-01
E36	5.608271e-02	3.971112e-04	2.008431e-01	5.268588e-01
F	2.688228e+00	5.286805e-04	6.612740e+00	3.765307e+00
F	3.066758e-03	1.655639e-06	7.500548e-03	4.521446e-03
G45	1.180293e+00	1.529832e-02	2.497451e+00	6.446542e+00
G47	1.201479e-01	1.077675e-03	3.183203e-01	8.360395e-01
G46	2.597487e+00	3.236801e-02	5.784890e+00	1.646187e+01
G47	8.071758e-01	9.951769e-03	1.790133e+00	4.642344e+00
I	8.228105e-02	5.272649e-05	2.879101e-01	8.857012e-01
H49	1.866188e-01	3.110403e-03	3.721673e-01	9.371426e-01
H49	7.230484e-01	1.141633e-02	1.502659e+00	3.806180e+00
H49	4.068508e-02	4.260396e-04	1.059076e-01	2.725233e-01
H50	4.216594e-03	7.772470e-05	7.698468e-03	1.930338e-02
H50	6.905479e-03	1.182772e-04	1.344989e-02	3.413534e-02
H51	2.467579e-02	1.162456e-04	7.982065e-02	2.156569e-01
H52	6.477524e-01	8.516346e-03	1.452402e+00	3.573494e+00
H53	2.385431e-01	2.253313e-04	8.511006e-01	2.273296e+00
K64	1.888773e+00	1.957163e-03	6.585580e+00	1.788049e+01
K65	2.145680e-01	6.360306e-04	7.235600e-01	1.925277e+00
K66	8.865714e-03	1.143386e-05	4.118306e-02	5.469424e-02
L68	4.819283e-01	4.426503e-04	1.694269e+00	4.493790e+00
M_N	7.623553e-01	7.003323e-04	2.769671e+00	7.301853e+00
J62_63	1.811001e-02	8.849170e-06	6.958945e-02	1.955820e-01
M_N	1.838781e-02	2.231907e-05	6.571429e-02	2.117599e-01
M_N	2.350110e+00	2.019892e-03	8.577196e+00	2.253617e+01
O84	5.400946e-02	6.531242e-05	1.773934e-01	4.225118e-01
P85	1.248519e-02	5.985734e-06	4.344903e-02	1.172410e-01
M_N	2.805717e-03	1.073116e-05	9.261874e-03	2.492503e-02
E37-39	2.477204e-03	2.225086e-06	1.058813e-02	3.059268e-02
E37-39	3.188066e-03	2.160844e-06	1.310387e-02	3.763882e-02

	E37-39	5.157290e-03	1.483214e-06	1.961434e-02	5.562450e-02
	E37-39	1.843259e-02	2.105358e-05	6.504625e-02	1.796664e-01
	E37-39	5.467396e-04	3.321844e-07	2.228999e-03	6.390139e-03
	E37-39	1.082267e-03	6.741268e-07	4.717586e-03	1.371756e-02
	E37-39	3.538950e-03	2.494431e-06	1.596074e-02	4.669697e-02
	E37-39	4.680083e-04	3.219459e-07	1.667964e-03	4.626838e-03
	E37-39	9.968317e-06	4.459034e-08	2.054901e-04	5.687778e-04
	E37-39	3.254144e-04	2.692999e-07	1.158770e-03	3.210484e-03
	E37-39	1.452311e-02	1.276425e-05	5.166616e-02	1.434492e-01
	E37-39	1.984990e-07	1.933548e-09	4.702459e-07	1.050192e-06
	E37-39	1.059082e-03	1.310745e-06	3.714525e-03	1.021233e-02
	E37-39	2.387617e-03	2.587843e-06	8.449118e-03	2.335576e-02
	E37-39	3.701056e-04	3.995399e-07	1.291202e-03	3.537121e-03
	E37-39	5.152337e-04	5.484533e-07	1.810283e-03	4.982469e-03
	E37-39	2.581104e-05	1.328303e-07	4.630990e-04	1.265830e-03
	E37-39	1.274929e-03	1.598695e-06	4.466215e-03	1.230770e-02
	E37-39	1.082345e-05	5.689390e-08	1.972390e-04	5.403751e-04
	E37-39	2.467031e-04	2.572120e-07	8.659385e-04	2.381012e-03
	R_S	8.112783e-03	2.475079e-05	2.561454e-02	6.896781e-02
	R_S	2.394595e-02	7.905712e-06	8.528001e-02	2.319354e-01
	R_S	1.410185e-02	1.136249e-05	4.799190e-02	1.302634e-01
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
BE	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.839871e-07	4.226901e-09	2.237146e-04	1.169192e-02
	A01	2.821759e-07	4.200178e-09	8.047432e-05	6.654351e-03
	A01	1.839571e-08	2.713993e-10	3.497003e-08	7.382196e-04
	A01	6.947398e-10	1.031440e-11	1.313863e-09	3.363102e-09
	A01	1.987234e-08	2.954157e-10	3.754136e-08	9.608066e-08
	A01	3.363384e-10	4.996968e-12	6.356955e-10	1.627062e-09
	A01	1.105833e-10	0.000000e+00	1.930765e-02	6.149027e-01
	A01	7.243003e-08	1.075987e-09	1.377229e-07	3.528630e-07
	A01	5.291400e-08	7.839853e-10	1.005596e-07	2.576031e-07
	A01	3.333224e-08	4.946338e-10	6.377606e-08	1.635697e-07
	A01	2.680670e-11	0.000000e+00	1.015674e-10	2.785573e-10
	A01	7.187309e-07	1.069902e-08	1.356231e-06	3.470501e-06
	A01	5.197980e-08	7.724345e-10	9.826913e-08	2.515323e-07
	A01	1.529462e-13	2.276761e-15	2.886056e-13	7.385212e-13
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	2.550404e-07	3.867041e-11	1.202131e-06	3.768000e-06
	A03	2.197542e-07	3.243551e-09	4.199903e-07	1.080562e-06
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	5.641126e-05	3.364741e-08	2.448223e-04	7.511397e-04
B_nongas	5.774139e-06	2.179747e-08	2.310218e-05	7.758239e-05
B_nongas	2.083797e-04	5.164832e-09	8.920066e-04	2.736048e-03
C10-12	2.650932e-07	2.412911e-09	1.154078e-06	3.682898e-03
C10-12	2.135970e-05	3.166129e-07	4.115544e-05	4.625587e-03
C10-12	5.408125e-07	5.373051e-09	8.288902e-06	2.538604e-03
C10-12	9.420984e-08	1.224842e-09	2.699797e-06	3.225789e-02
C10-12	1.591309e-07	1.228509e-09	1.045764e-06	8.475009e-03
C10-12	3.104666e-06	2.978943e-08	1.850822e-05	2.397282e-02
C10-12	1.359271e-08	1.154475e-10	1.650701e-07	2.082141e-03
C10-12	2.710110e-07	2.245806e-09	1.951065e-06	2.563684e-02
C10-12	8.917170e-06	7.214284e-08	3.680018e-05	2.229992e-01
C10-12	1.439246e-06	1.233976e-08	6.905144e-06	4.073634e-02
C10-12	6.433388e-06	4.726838e-08	2.169380e-05	5.533979e-02
C10-12	2.281799e-05	3.370415e-06	6.450336e-04	1.213889e-04
C13-15	3.377425e-04	2.056948e-08	2.263510e-03	8.764227e-03
C13-15	1.201713e-05	3.233152e-09	7.732414e-05	3.135505e-04
C13-15	6.531392e-05	5.041157e-10	4.106465e-04	1.505416e-03
C16	1.875551e-04	5.501652e-07	8.893076e-04	2.786613e-03
C16	4.683140e-05	7.005084e-08	2.207285e-04	6.945231e-04
C17	6.293777e-06	5.997207e-08	2.043098e-05	6.326110e-05
C17	5.702482e-06	1.770355e-09	3.196452e-05	1.091507e-04
C17	9.881093e-05	2.399287e-09	3.969089e-04	1.176090e-03
C18	2.355223e-05	2.420249e-07	7.108315e-05	2.059693e-04
C19	2.254397e-06	1.722711e-08	5.281253e-05	5.773350e-05
C19	8.222422e-03	1.286693e-06	1.357161e-01	8.977063e-02
C24	5.496417e-07	3.763476e-08	1.868865e-06	5.703497e-06
C20-21	1.346839e-03	5.564422e-06	1.087833e-02	1.612285e-02
C20-21	1.038038e-05	7.763670e-08	4.281697e-05	1.254111e-04
C20-21	5.261789e-07	7.224306e-09	2.319820e-06	5.412371e-06
C20-21	1.068952e-06	4.417459e-09	7.341517e-06	1.754065e-05
C20-21	3.925898e-05	5.034254e-08	1.955512e-04	4.367966e-04
C22	1.664890e-03	5.693044e-07	9.166645e-03	3.082958e-02
C23	5.924592e-04	1.668437e-07	2.592492e-03	7.716855e-03
C23	1.471615e-04	4.961564e-08	6.441062e-04	1.917004e-03
C23	3.944086e-06	1.245328e-08	1.789554e-05	5.530213e-05
C23	4.062165e-06	3.946378e-08	1.732180e-05	5.394538e-05
C23	1.966131e-05	2.315880e-07	8.995397e-05	2.834076e-04
C23	8.511185e-06	4.783396e-08	3.729216e-05	1.196207e-04
C23	9.389728e-05	6.035358e-08	4.424853e-04	1.374338e-03
C24	1.032555e-05	3.916581e-08	1.096985e-04	1.232407e-04
C24	8.389443e-06	2.721261e-08	1.011283e-04	9.725610e-05

C24	1.812747e-05	1.029242e-07	2.365350e-04	2.030287e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.029536e-06	3.891184e-08	1.061625e-04	1.051750e-04
C24	1.883433e-07	8.958005e-10	2.047488e-06	1.963248e-06
C24	1.623569e-06	1.421722e-08	1.623211e-05	1.697856e-05
C24	7.783165e-07	3.635854e-09	9.488572e-06	8.111612e-06
C24	1.646911e-05	1.282896e-07	2.043837e-04	1.885432e-04
C24	1.535495e-05	1.383569e-07	1.741275e-04	1.817408e-04
C24	1.365496e-06	1.598923e-08	9.247027e-06	1.410282e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.017981e-06	1.161481e-08	2.290623e-05	2.103286e-05
C25_33	1.538778e-03	6.836289e-07	7.123994e-03	2.100517e-02
C25	9.933493e-04	3.786141e-07	3.582137e-03	7.647120e-03
C26	4.251728e-05	2.480624e-09	2.068707e-04	6.781020e-04
C27	4.543431e-03	1.118921e-06	1.891939e-02	5.641461e-02
C27	3.767361e-04	9.153876e-08	1.580151e-03	4.734528e-03
C28_32	2.104357e-04	3.966578e-08	9.774000e-04	3.113493e-03
C29	4.287516e-04	1.022601e-06	1.695056e-03	4.993518e-03
C30	1.003171e-05	1.162951e-08	5.213440e-05	1.723007e-04
C31	4.652829e-04	1.321035e-07	2.461748e-03	8.396827e-03
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.079991e-05	2.728448e-07	5.392045e-05	1.510349e-04
D35	6.362321e-06	2.478703e-08	1.127550e-04	3.746781e-04
D35	1.367624e-05	1.505993e-07	2.429072e-04	8.150930e-04
D35	3.939032e-04	4.094930e-04	7.870265e-03	4.942846e-03
D35	1.339198e-07	1.179785e-09	4.727815e-06	1.601967e-05
D35	2.559137e-07	3.229271e-09	7.705126e-06	2.608426e-05
D35	3.295016e-07	2.527791e-09	1.729330e-05	5.894977e-05
D35	1.535855e-06	1.778376e-08	3.118679e-05	1.044002e-04
D35	6.010977e-09	9.467706e-11	5.127523e-08	1.656702e-07
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	9.735402e-07	1.226570e-08	1.820998e-05	6.087722e-05
D35	7.741683e-06	9.031876e-08	1.931946e-05	4.969449e-05
D35	5.634208e-05	5.592811e-07	1.511947e-04	3.908350e-04
D35	8.643804e-06	1.168884e-07	1.995842e-05	5.106719e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	6.748899e-05	2.543034e-07	1.276317e-04	2.140968e-04
F	2.119744e-03	7.371846e-07	8.545327e-03	2.415425e-02
F	5.295636e-06	3.431445e-09	2.089496e-05	5.821739e-05
G45	2.156900e-04	2.585168e-06	4.770228e-04	1.274161e-03
G47	3.595637e-05	4.217281e-07	8.729213e-05	2.282418e-04
G46	7.012193e-03	8.675258e-05	1.666708e-02	2.622610e-01
G47	8.374351e-06	1.010919e-07	1.914512e-05	1.576440e-04
I	1.944276e-04	1.284247e-08	6.803950e-04	1.845441e-03
H49	2.631801e-03	4.877399e-05	4.790016e-03	1.314592e-02
H49	5.567389e-03	9.859572e-05	1.052746e-02	2.714768e-02

	H49	3.646213e-05	5.139548e-07	8.182208e-05	2.854804e-04
	H50	3.704292e-04	6.268669e-06	7.351379e-04	1.855226e-03
	H50	1.925339e-04	3.545727e-06	3.526579e-04	8.825164e-04
	H51	2.929886e-04	2.233352e-06	8.164668e-04	2.174083e-03
	H52	5.053212e-03	8.093128e-05	1.030532e-02	2.631991e-02
	H53	4.201138e-04	1.520929e-06	1.388176e-03	3.707211e-03
	K64	3.755875e-03	3.894941e-06	1.309270e-02	3.555613e-02
	K65	2.935478e-04	8.811661e-07	9.886768e-04	2.630674e-03
	K66	1.051412e-06	0.000000e+00	5.965250e-06	3.963669e-06
	L68	4.542783e-05	3.172428e-07	1.328988e-04	3.490570e-04
	M_N	1.056446e-03	8.687455e-07	3.842291e-03	1.014462e-02
	J62_63	6.892343e-05	4.081029e-08	2.637637e-04	7.315692e-04
	M_N	7.636594e-06	1.117207e-08	2.682043e-05	7.104103e-05
	M_N	5.348840e-03	5.003470e-06	2.394494e-02	1.911720e-01
	O84	2.672043e-04	1.313284e-07	5.032990e-04	7.430308e-04
	P85	2.007340e-05	2.302687e-07	4.972124e-05	1.293281e-04
	M_N	4.350358e-08	0.000000e+00	1.439147e-07	3.388997e-07
	E37-39	8.637879e-07	2.413283e-09	3.250409e-06	8.203245e-05
	E37-39	9.355080e-07	1.839802e-09	3.480298e-06	6.535823e-05
	E37-39	1.492771e-06	6.555993e-10	5.470104e-06	3.521000e-05
	E37-39	7.139861e-04	8.945328e-09	1.203248e-03	1.658684e-03
	E37-39	2.331491e-07	3.552043e-10	8.646468e-07	1.316004e-05
	E37-39	1.938233e-07	6.200013e-10	7.719850e-07	2.092319e-05
	E37-39	5.915899e-07	2.865757e-09	2.501163e-06	9.371166e-05
	E37-39	1.875449e-07	5.166948e-10	6.369333e-07	1.734905e-05
	E37-39	9.008458e-09	7.112974e-11	1.580947e-07	2.586282e-06
	E37-39	2.410446e-07	1.247014e-09	7.676739e-07	3.970891e-05
	E37-39	2.006491e-06	2.801412e-09	7.095981e-06	1.043594e-04
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.584312e-07	8.172859e-10	5.049502e-07	2.680126e-05
	E37-39	2.918280e-07	1.678787e-09	9.189517e-07	5.459890e-05
	E37-39	1.133461e-07	7.343035e-10	3.465991e-07	2.434685e-05
	E37-39	1.075339e-07	6.644222e-10	3.321879e-07	2.156433e-05
	E37-39	9.548805e-08	6.763764e-10	1.234955e-06	2.352881e-05
	E37-39	2.026938e-07	1.254692e-09	5.405391e-07	3.876621e-05
	E37-39	9.394803e-09	7.435150e-11	5.433551e-08	2.524080e-06
	E37-39	1.977644e-08	8.923445e-11	6.393806e-08	3.044059e-06
	R_S	2.020391e-05	1.727384e-08	7.361696e-05	1.937567e-04
	R_S	3.682417e-05	1.445250e-07	1.187191e-04	3.205295e-04
	R_S	1.175457e-05	1.962448e-08	4.134411e-05	1.092802e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
BG	A01	1.785899e-09	2.396623e-14	8.529437e-09	2.752438e-08
	A01	6.234671e-09	8.876350e-12	2.205463e-04	7.122161e-03
	A01	1.337054e-09	1.275405e-12	1.925054e-05	7.375881e-04
	A01	9.282612e-09	1.400594e-11	4.184906e-08	6.472313e-04
	A01	2.066192e-09	1.486489e-12	1.065240e-08	3.516700e-08
	A01	8.755435e-12	2.999753e-15	4.862507e-11	1.642295e-10

A01	1.025764e-09	0.000000e+00	4.867218e-09	1.567219e-08
A01	2.969757e-06	2.557126e-08	1.838298e-03	5.876167e-02
A01	1.713305e-09	1.812974e-12	7.551454e-09	2.378612e-08
A01	4.845047e-09	1.259947e-11	1.702706e-08	4.842890e-08
A01	5.611251e-09	1.066117e-11	2.321753e-08	7.110718e-08
A01	3.808092e-06	3.883863e-08	8.781241e-06	9.694831e-04
A01	2.130827e-06	2.175119e-08	4.909221e-06	3.721565e-05
A01	7.944372e-09	1.560792e-11	3.237038e-08	9.851602e-08
A01	2.952543e-11	1.010726e-14	1.638651e-10	5.533184e-10
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	2.862107e-06	4.389400e-08	3.058148e-05	8.049192e-04
A03	5.174815e-07	9.208046e-09	1.102487e-06	6.482958e-06
B_nongas	3.970472e-06	5.508128e-08	8.198037e-06	1.888226e-05
B_nongas	1.127997e-08	1.683449e-10	2.492587e-08	9.777472e-08
B_gas	7.400179e-05	3.966462e-07	2.133378e-03	9.702137e-04
B_gas	8.384141e-09	1.072942e-10	1.985447e-08	6.118558e-08
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	2.456744e-06	3.047451e-09	5.178530e-06	7.632788e-06
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	5.189301e-06	6.623386e-09	1.073954e-05	1.570349e-05
B_nongas	1.003976e-07	1.274003e-10	2.092845e-07	3.080995e-07
B_nongas	2.414242e-08	3.069162e-11	5.005076e-08	7.247171e-08
B_nongas	7.729015e-06	1.780796e-08	3.483157e-05	1.135225e-04
B_nongas	8.778283e-06	1.380916e-07	1.859215e-05	5.332453e-05
B_nongas	1.869297e-06	2.076035e-08	5.126783e-06	1.522358e-05
C10-12	1.363463e-04	9.253677e-08	2.731293e-04	3.941746e-04
C10-12	1.466567e-04	9.754300e-08	3.054362e-04	9.025484e-04
C10-12	2.932181e-05	1.405420e-08	6.394987e-05	5.189111e-04
C10-12	1.057799e-04	6.184288e-08	2.195910e-04	1.046891e-03
C10-12	6.344396e-05	4.744003e-08	1.436251e-04	2.105479e-03
C10-12	6.784864e-05	4.410111e-08	1.558948e-04	1.340157e-03
C10-12	2.225882e-06	2.990498e-08	4.489987e-06	1.228775e-05
C10-12	1.771426e-07	8.956047e-11	1.690967e-06	1.725222e-04
C10-12	1.197587e-04	6.527521e-08	2.970945e-04	3.482829e-02
C10-12	6.774762e-05	4.113884e-08	1.636661e-04	1.903824e-02
C10-12	1.540785e-04	9.932032e-08	3.188969e-04	4.435416e-04
C10-12	3.710772e-05	5.131552e-06	9.819280e-04	2.714988e-04
C13-15	9.476413e-05	2.276182e-08	6.059720e-04	2.368100e-03
C13-15	1.247999e-05	5.014532e-08	7.261198e-05	2.786950e-04
C13-15	2.254075e-05	1.437409e-08	1.378536e-04	5.033081e-04
C16	4.962118e-05	1.580184e-07	2.320199e-04	7.509093e-04
C16	5.511459e-07	2.133254e-09	2.382286e-06	7.696107e-06
C17	3.866754e-05	3.069354e-08	7.709246e-05	6.315345e-05
C17	1.101080e-05	8.746404e-09	2.195722e-05	1.797766e-05
C17	1.206219e-04	6.165720e-08	3.219947e-04	6.133123e-04

C18	9.366661e-06	1.478050e-08	3.988603e-05	1.226648e-04
C19	5.700380e-05	5.427360e-09	1.117921e-04	7.425343e-05
C19	1.445951e-03	3.266749e-07	2.203487e-02	1.451829e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	5.613936e-08	4.847679e-10	1.792104e-07	9.683280e-07
C20-21	5.791453e-07	4.381379e-09	1.897555e-06	9.565765e-06
C20-21	6.363391e-10	2.924902e-12	2.136201e-09	5.756880e-09
C20-21	3.104005e-02	8.931277e-07	6.104286e-02	4.024667e-02
C20-21	4.874352e-03	2.043142e-07	8.785234e-03	5.796301e-03
C22	5.097217e-04	1.330229e-07	1.933730e-03	5.225077e-03
C23	3.239471e-04	1.091698e-07	7.480663e-04	9.849758e-04
C23	2.128721e-05	1.696940e-08	4.671154e-05	5.499024e-05
C23	1.801718e-04	1.254048e-07	3.559338e-04	2.706927e-04
C23	7.697878e-05	5.378306e-08	1.514006e-04	1.124426e-04
C23	1.723822e-03	1.080121e-06	3.380002e-03	2.488992e-03
C23	1.616358e-04	1.128462e-07	3.179984e-04	2.365472e-04
C23	1.907901e-04	8.254729e-08	3.993582e-04	3.843319e-04
C24	3.509898e-06	2.405912e-10	6.951466e-06	4.836606e-06
C24	1.501684e-04	1.035149e-08	2.975032e-04	2.074101e-04
C24	2.226898e-05	1.528782e-09	4.398080e-05	3.005337e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.287228e-05	1.679604e-09	4.586889e-05	3.176880e-05
C24	6.178438e-05	4.235465e-09	1.223682e-04	8.514065e-05
C24	2.550516e-04	1.843932e-08	5.100098e-04	3.536113e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.511388e-05	9.255016e-09	1.201448e-04	1.446344e-04
C24	1.519692e-05	1.043064e-09	3.010581e-05	2.094673e-05
C24	2.524297e-06	1.771522e-10	5.031342e-06	3.534672e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.620647e-05	4.555949e-09	1.313443e-04	9.229838e-05
C25_33	2.486575e-04	1.578293e-07	1.226861e-03	3.682213e-03
C25	3.726125e-04	4.908658e-08	1.189211e-03	1.466016e-03
C26	1.171045e-05	5.025972e-09	5.843601e-05	1.945000e-04
C27	6.522657e-04	1.603159e-07	2.207674e-03	5.533375e-03
C27	5.648767e-06	8.026101e-09	2.717006e-05	8.788640e-05
C28_32	7.549668e-05	1.354302e-08	4.141307e-04	1.435627e-03
C29	2.772806e-05	1.383884e-08	1.259132e-04	3.981693e-04
C30	1.484616e-05	4.790993e-08	6.549797e-05	2.057977e-04
C31	2.112347e-03	4.282587e-08	1.103491e-02	3.739572e-02
E37-39	4.290226e-07	6.265894e-09	8.668418e-07	2.284428e-06
E37-39	8.275865e-06	1.226919e-07	1.568992e-05	4.522283e-05
D35	3.237491e-06	3.906286e-09	2.703462e-05	2.367925e-04
D35	4.239651e-07	4.032226e-09	1.998452e-06	1.402737e-05
D35	9.940945e-07	1.133262e-09	9.011143e-06	7.614620e-05
D35	4.717691e-07	4.330046e-09	2.224628e-06	1.530587e-05
D35	6.892618e-09	6.332547e-11	2.730326e-08	4.940813e-08
D35	2.400865e-07	1.782649e-09	1.066196e-06	6.570065e-06
D35	1.703212e-09	8.998811e-14	7.681257e-09	2.308105e-08

D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.901970e-08	1.768817e-10	7.317690e-08	1.327923e-07
D35	1.639087e-06	1.465469e-08	7.604426e-06	5.171485e-05
D35	4.193109e-06	3.600256e-08	1.903753e-05	1.268978e-04
D35	1.795899e-06	2.003731e-09	1.538390e-05	1.269742e-04
D35	1.073556e-05	1.273303e-08	9.478651e-05	7.903570e-04
E36	9.817966e-06	1.554317e-09	1.795294e-05	2.121601e-05
F	2.003106e-04	4.948951e-07	5.628977e-04	1.849528e-03
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	9.285192e-05	1.226838e-06	2.461413e-04	1.086783e-03
G47	3.394974e-05	4.359400e-07	9.102688e-05	4.442827e-04
G46	3.067870e-03	7.214483e-06	8.049318e-03	3.052697e-02
G47	4.840581e-04	4.404594e-06	1.632186e-03	1.122646e-02
I	1.576664e-04	2.598815e-07	5.605824e-04	1.912672e-03
H49	1.292186e-03	2.426286e-05	2.326789e-03	5.958402e-03
H49	5.162076e-03	9.235058e-05	9.686193e-03	2.471943e-02
H49	5.455618e-06	6.348106e-08	1.664277e-05	7.762967e-05
H50	1.049273e-04	1.559894e-06	2.299082e-04	5.855598e-04
H50	4.018576e-05	7.435740e-07	7.321272e-05	1.831019e-04
H51	4.780105e-05	3.642457e-07	1.329777e-04	3.538016e-04
H52	2.285398e-03	3.668246e-05	4.655219e-03	1.198868e-02
H53	4.010164e-04	1.574979e-06	1.314020e-03	3.523355e-03
K64	8.938084e-04	9.311820e-07	3.111679e-03	8.455064e-03
K65	5.875740e-05	2.023572e-07	1.941844e-04	5.196987e-04
K66	8.112672e-06	2.381275e-08	2.742677e-05	7.096404e-05
L68	8.502676e-05	1.226078e-07	2.995609e-04	1.507819e-03
M_N	2.428590e-05	1.724506e-07	7.329478e-05	2.006595e-04
J62_63	1.175632e-05	1.451748e-08	4.240279e-05	1.167384e-04
M_N	1.306393e-06	1.492768e-09	6.225182e-06	6.662598e-05
M_N	8.471934e-04	8.020547e-07	3.112183e-03	9.317621e-03
O84	2.022049e-07	0.000000e+00	7.000390e-07	1.903019e-06
P85	1.129067e-06	1.104990e-08	3.104284e-06	8.331352e-06
M_N	1.320748e-06	8.507908e-09	4.194312e-06	1.151456e-05
E37-39	3.160083e-08	1.842347e-10	1.207053e-07	9.395395e-07
E37-39	6.736756e-08	1.966835e-10	2.509402e-07	1.259516e-06
E37-39	1.113133e-07	2.537692e-11	4.052096e-07	1.143051e-06
E37-39	5.261715e-05	1.273859e-09	8.884847e-05	1.072220e-04
E37-39	1.613924e-08	2.988102e-11	5.633750e-08	1.538441e-07
E37-39	1.689796e-08	4.135502e-11	5.811412e-08	1.569344e-07
E37-39	1.026696e-07	1.074502e-09	4.013787e-07	4.669626e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	3.741307e-08	1.763407e-13	1.371988e-07	3.874308e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

	E37-39	3.727755e-07	4.113607e-09	1.457574e-06	1.756272e-05
	E37-39	5.203885e-07	5.580859e-09	2.030813e-06	2.390662e-05
	E37-39	1.420138e-06	1.808150e-08	5.602849e-06	7.565666e-05
	E37-39	8.788319e-07	1.089917e-08	3.454561e-06	4.577088e-05
	E37-39	1.063821e-07	9.616182e-10	4.315755e-07	4.289441e-06
	E37-39	1.139514e-06	1.411557e-08	4.474683e-06	5.931012e-05
	E37-39	1.692304e-07	2.159109e-09	6.801061e-07	9.063524e-06
	E37-39	2.086512e-07	2.611351e-09	8.230050e-07	1.096654e-05
	R_S	8.536261e-07	4.257621e-09	2.607299e-06	6.869955e-06
	R_S	8.937164e-06	1.844579e-08	3.153300e-05	8.691993e-05
	R_S	4.630451e-06	1.639366e-08	1.662493e-05	4.767285e-05
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CY	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	6.539607e-11	1.819780e-14	9.074509e-09	2.802063e-07
	A01	2.101582e-10	5.848085e-14	3.174103e-08	5.909915e-05
	A01	5.514788e-09	1.534603e-12	2.585503e-08	2.658922e-05
	A01	5.029832e-10	1.399654e-13	2.358140e-09	7.453430e-09
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.765625e-09	4.913216e-13	4.936990e-05	3.032286e-03
	A01	5.198027e-10	1.446458e-13	2.436995e-09	7.702670e-09
	A01	3.604472e-09	1.003019e-12	1.689888e-08	5.341268e-08
	A01	3.445669e-09	9.588282e-13	1.615436e-08	5.105946e-08
	A01	1.563979e-09	4.352092e-13	7.332414e-09	3.935685e-06
	A01	1.194094e-10	3.322813e-14	5.598282e-10	3.004887e-07
	A01	2.812687e-09	7.826879e-13	1.318674e-08	4.167965e-08
	A01	2.377238e-12	0.000000e+00	1.114522e-11	3.522698e-11
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	2.378505e-07	4.491498e-09	4.241193e-07	1.058363e-06
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.117696e-07	2.009938e-09	2.077502e-07	5.224413e-07
	B_nongas	1.661327e-05	4.846261e-10	7.109653e-05	2.180856e-04
	C10-12	3.858937e-10	4.625525e-12	8.901681e-10	4.985899e-06

C10-12	1.937523e-09	1.475701e-11	5.616202e-09	6.186913e-05
C10-12	6.469151e-09	8.474387e-11	1.397058e-08	7.780319e-07
C10-12	6.985312e-09	7.472901e-11	1.734774e-08	1.739564e-06
C10-12	4.125489e-10	3.490399e-13	1.574592e-09	1.453020e-03
C10-12	2.007289e-09	1.410163e-12	8.201327e-09	2.755220e-03
C10-12	3.295221e-11	3.093378e-14	1.167820e-10	3.158382e-10
C10-12	1.368826e-10	1.284981e-13	4.851095e-10	1.311984e-09
C10-12	6.334670e-09	5.118361e-12	2.467617e-08	9.912452e-03
C10-12	5.403511e-09	6.191598e-11	1.379568e-08	5.546830e-03
C10-12	2.651917e-09	4.112357e-13	1.355585e-08	4.480719e-08
C10-12	9.677262e-07	1.434724e-07	2.745738e-05	5.143731e-06
C13-15	1.856516e-06	4.375577e-10	8.043624e-06	2.470189e-05
C13-15	3.165463e-08	1.122365e-10	2.402041e-07	1.005667e-06
C13-15	1.598516e-07	3.472866e-11	9.927012e-07	3.632084e-06
C16	6.631000e-07	1.118207e-10	3.341652e-06	1.106398e-05
C16	1.191622e-07	1.985387e-11	6.012818e-07	1.992349e-06
C17	6.994952e-11	1.371747e-13	3.600662e-10	1.203906e-09
C17	4.410504e-09	8.407222e-12	2.276687e-08	7.615393e-08
C17	1.766977e-07	2.510589e-11	6.938211e-07	2.033067e-06
C18	6.260659e-06	1.519033e-09	2.610768e-05	7.795093e-05
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.660135e-09	2.271297e-11	3.477754e-09	9.475391e-08
C20-21	2.990970e-08	4.452557e-10	5.707650e-08	3.662714e-07
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	7.065440e-10	1.017341e-11	1.579092e-09	9.238963e-09
C20-21	2.021218e-09	2.771347e-11	4.245963e-09	4.624668e-08
C22	2.546866e-05	7.091803e-09	1.175676e-04	3.688364e-04
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.030799e-10	1.051559e-12	8.011256e-10	2.503825e-09
C23	1.385486e-09	6.904686e-12	5.611198e-09	1.779802e-08
C23	1.107085e-08	5.608872e-11	4.464246e-08	1.420091e-07
C23	1.768778e-09	9.216091e-12	6.935578e-09	2.160264e-08
C23	9.746953e-10	3.402915e-12	4.736189e-09	1.624322e-08
C24	2.040130e-08	9.421116e-13	4.636540e-08	8.788183e-08
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.426426e-09	3.170732e-14	3.262165e-09	6.324587e-09
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.571556e-08	1.279740e-12	1.031793e-07	1.441708e-07
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.818127e-09	2.030286e-13	1.078227e-08	1.511883e-08
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.224523e-07	1.707988e-12	8.199159e-07	2.314816e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.124161e-11	1.948968e-15	1.509114e-10	2.136706e-10
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	1.798207e-05	4.815191e-09	7.619533e-05	2.268510e-04
C25	1.886916e-05	4.575824e-09	7.835676e-05	2.326885e-04
C26	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C27	1.227900e-04	3.137080e-08	5.106873e-04	1.522453e-03
C27	2.232394e-10	3.323147e-12	4.212470e-10	1.077941e-09
C28_32	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C29	1.756775e-07	2.988834e-11	7.581997e-07	2.330753e-06
C30	1.395231e-07	3.242425e-11	5.883151e-07	1.769607e-06
C31	8.211172e-06	2.485712e-11	4.419631e-05	1.518475e-04
E37-39	3.837926e-08	3.036603e-11	1.585293e-07	4.757597e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	8.751786e-11	8.215711e-14	3.101617e-10	8.388356e-10
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.412458e-11	1.441789e-13	3.455985e-11	9.087935e-11
D35	1.096221e-10	1.118985e-12	2.682220e-10	7.053225e-10
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	1.358098e-10	1.274910e-13	4.813073e-10	1.301701e-09
F	3.080038e-07	9.225758e-11	7.475104e-07	3.801947e-07
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.788657e-06	1.853309e-11	3.755690e-06	9.696131e-06
G47	3.875425e-06	3.462442e-08	1.028352e-05	2.702659e-05
G46	5.098710e-05	7.523555e-07	9.700021e-05	2.563463e-04
G47	1.620562e-06	1.714643e-08	4.264098e-06	1.550445e-05
I	1.140445e-04	2.215423e-10	3.982521e-04	1.082275e-03
H49	1.034577e-03	1.954070e-05	1.844452e-03	4.602556e-03
H49	1.454504e-03	2.610320e-05	2.715563e-03	6.832500e-03
H49	2.029941e-06	3.842901e-08	3.611177e-06	9.007530e-06
H50	3.876022e-04	7.339487e-06	6.893553e-04	1.719419e-03
H50	2.232388e-06	4.227116e-08	3.970378e-06	9.903106e-06
H51	2.188740e-05	1.659836e-07	6.099265e-05	1.623046e-04
H52	1.733380e-04	2.724268e-06	3.579424e-04	9.156752e-04
H53	9.939586e-08	7.834302e-11	3.522904e-07	9.496484e-07
K64	1.857597e-03	1.939546e-06	6.465966e-03	1.757777e-02
K65	1.539671e-05	4.623750e-08	5.185512e-05	1.379748e-04
K66	3.737960e-08	0.000000e+00	2.314944e-07	8.674521e-08
L68	1.040802e-05	9.770492e-09	3.688582e-05	9.975809e-05

M_N	2.232475e-07	1.863241e-09	6.035061e-07	1.574133e-06
J62_63	5.054860e-07	3.070497e-09	1.424495e-06	3.810188e-06
M_N	5.495634e-08	0.000000e+00	1.906860e-07	5.184196e-07
M_N	1.412811e-04	1.128539e-07	5.165552e-04	1.356596e-03
O84	1.144061e-09	0.000000e+00	3.960772e-09	1.076715e-08
P85	2.562245e-07	4.143389e-12	8.891978e-07	2.417258e-06
M_N	6.969562e-09	1.519010e-11	2.367637e-08	6.386205e-08
E37-39	2.526938e-10	2.433099e-15	9.282017e-10	2.620682e-09
E37-39	1.637754e-10	2.734173e-13	5.700700e-10	1.602056e-09
E37-39	1.466304e-11	2.257007e-13	2.687795e-11	6.850198e-11
E37-39	1.269332e-04	1.849529e-12	2.136712e-04	2.457611e-04
E37-39	4.168002e-12	6.415593e-14	7.640119e-12	1.947184e-11
E37-39	5.628352e-12	8.663435e-14	1.031700e-11	2.629423e-11
E37-39	7.681935e-10	3.712588e-14	2.867071e-09	8.161671e-09
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.087933e-07	3.942265e-13	3.993529e-07	1.127504e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	3.062726e-08	1.539825e-12	1.148561e-07	3.276012e-07
E37-39	8.424037e-08	1.505240e-11	3.389729e-07	9.972728e-07
E37-39	1.547479e-08	4.864744e-12	6.590391e-08	2.002921e-07
E37-39	1.030776e-08	2.860379e-12	4.298533e-08	1.292659e-07
E37-39	1.474058e-10	5.337990e-14	6.251357e-10	1.892729e-09
E37-39	5.139370e-09	1.675318e-12	1.928072e-08	5.904981e-08
E37-39	1.304952e-09	4.276411e-13	5.560031e-09	1.687412e-08
E37-39	1.739326e-09	5.853954e-13	7.378335e-09	2.233946e-08
R_S	5.457485e-09	4.867549e-12	1.924477e-08	5.204899e-08
R_S	1.133490e-06	6.529109e-11	4.001653e-06	1.104211e-05
R_S	4.817082e-07	5.030950e-11	1.660404e-06	4.512237e-06
T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CZ A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	1.276326e-09	1.475173e-10	6.567818e-04	6.383675e-02
A01	1.416572e-09	1.198455e-10	4.861692e-04	8.547843e-02
A01	6.411306e-10	6.061700e-11	1.239551e-08	6.587382e-05
A01	7.104143e-10	9.979960e-11	1.922690e-08	3.937215e-09
A01	3.236361e-03	2.209621e-07	2.715382e-06	1.675557e-05
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	3.049969e-06	2.879180e-08	1.596467e-02	5.137711e-01
A01	9.951474e-10	1.178885e-10	2.324552e-08	6.154453e-09
A01	1.929830e-09	1.591623e-10	3.339013e-08	1.396111e-08
A01	1.172129e-09	1.083965e-10	2.225366e-08	8.137549e-09
A01	1.819021e-07	2.280105e-09	4.492188e-07	1.843634e-03
A01	2.080031e-07	2.582588e-09	5.063566e-07	1.975413e-04
A01	3.545099e-09	2.553467e-10	5.510492e-08	2.672698e-08
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	1.513234e-04	7.885440e-07	7.328743e-04	2.234429e-03
A03	4.255053e-07	2.653215e-09	2.659564e-04	8.972209e-03
B_nongas	3.405785e-03	3.838702e-07	1.222776e-02	3.391309e-02
B_nongas	7.065472e-06	9.536729e-09	3.731685e-05	1.149437e-04
B_gas	4.389822e-06	5.395260e-09	2.708210e-05	5.996119e-05
B_gas	1.189776e-06	1.383703e-09	7.754224e-06	1.447154e-05
B_nongas	3.089214e-06	1.289984e-09	1.241692e-05	2.074033e-05
B_nongas	2.363094e-09	1.225267e-12	3.934636e-08	8.459296e-08
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	4.028178e-13	0.000000e+00	1.056633e-11	1.380435e-09
B_nongas	6.777165e-13	0.000000e+00	1.771611e-11	6.669921e-05
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	4.583920e-13	0.000000e+00	1.202408e-11	9.810066e-12
B_nongas	2.849973e-09	2.432614e-13	4.738781e-08	4.545596e-08
B_nongas	1.720590e-05	1.056746e-07	5.182980e-05	1.496922e-04
B_nongas	2.900213e-05	1.947679e-07	8.329693e-05	2.412424e-04
B_nongas	1.008269e-04	9.232807e-09	4.304207e-04	1.494083e-03
C10-12	1.636659e-04	2.590267e-08	3.921487e-04	7.921747e-03
C10-12	4.293481e-03	2.579282e-07	8.392646e-03	1.780759e-02
C10-12	8.373743e-05	1.989323e-08	3.835581e-04	7.292485e-03
C10-12	2.406149e-05	9.195351e-09	4.180649e-04	4.784640e-02
C10-12	1.105626e-04	1.642422e-08	2.199192e-04	1.347727e-03
C10-12	5.180919e-04	2.056248e-07	2.687046e-03	5.756900e-02
C10-12	1.041020e-07	3.391478e-10	6.680226e-07	2.047353e-06
C10-12	3.213452e-04	5.221210e-08	8.057614e-04	1.824893e-01
C10-12	4.432693e-04	1.707644e-07	1.005983e-03	2.810953e-01
C10-12	2.746039e-04	1.329340e-07	9.721804e-04	9.813886e-02
C10-12	1.631611e-04	5.207177e-08	3.162311e-04	1.328070e-01
C10-12	5.004410e-04	7.413792e-05	1.418870e-02	2.660052e-03
C13-15	1.950636e-03	2.551727e-07	5.853276e-03	1.337610e-02
C13-15	9.287437e-05	2.275548e-08	3.623631e-04	1.232679e-03
C13-15	2.288169e-03	1.167240e-08	1.406012e-02	5.266901e-02
C16	2.181952e-03	1.322916e-06	1.054942e-02	4.370339e-02
C16	9.704729e-05	5.847302e-08	4.675589e-04	1.919397e-03
C17	1.908550e-04	4.461426e-08	4.195549e-04	9.235567e-04
C17	8.212123e-05	1.839524e-08	1.776878e-04	3.713295e-04
C17	1.611332e-03	7.628969e-08	5.644146e-03	1.577729e-02
C18	1.084645e-04	3.058904e-07	4.369044e-04	1.331976e-03
C19	2.190005e-05	1.267152e-09	2.285916e-04	1.957661e-04
C19	1.047061e-02	9.095456e-07	1.712266e-01	1.133264e-01
C24	1.933827e-06	1.496631e-10	4.063206e-06	4.173331e-06
C20-21	8.600114e-08	1.854511e-10	1.155553e-06	1.184793e-06
C20-21	1.874758e-06	3.623937e-09	2.547346e-05	2.561553e-05
C20-21	1.309224e-02	4.513464e-08	2.323829e-02	1.447284e-02
C20-21	1.367709e-01	3.800283e-06	2.694673e-01	1.771629e-01
C20-21	7.745467e-02	3.108330e-06	1.445139e-01	9.179984e-02
C22	5.244972e-03	2.011316e-06	2.777330e-02	9.228351e-02

C23	1.809461e-03	6.353789e-07	6.433419e-03	1.652291e-02
C23	1.646569e-04	5.808913e-08	5.854677e-04	1.503672e-03
C23	3.317420e-04	1.747595e-07	7.823131e-04	1.145593e-03
C23	5.302882e-05	2.839160e-08	1.233883e-04	1.752715e-04
C23	2.041553e-04	1.182919e-07	4.352604e-04	4.866036e-04
C23	3.946793e-05	2.284364e-08	8.425442e-05	9.453299e-05
C23	5.232165e-04	1.445923e-07	1.807838e-03	4.522844e-03
C24	2.416181e-04	1.768256e-07	9.563013e-04	1.134750e-03
C24	5.363659e-05	2.147221e-08	2.161822e-04	2.656734e-04
C24	6.257390e-05	2.505082e-08	2.521984e-04	3.098933e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.480327e-04	6.447469e-08	5.946234e-04	7.312934e-04
C24	2.914515e-04	1.260542e-07	7.904671e-04	1.254421e-03
C24	5.682345e-05	2.373519e-08	2.340911e-04	3.301106e-04
C24	4.892409e-05	1.865143e-08	2.027933e-04	2.938979e-04
C24	5.468549e-05	3.553125e-08	2.187534e-04	2.704920e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.288938e-06	9.179142e-10	9.224605e-06	1.130749e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.679686e-04	1.467415e-07	1.479705e-03	1.818022e-03
C25_33	4.139173e-03	1.042119e-06	1.970601e-02	5.760141e-02
C25	4.032833e-03	1.158593e-06	1.534650e-02	3.798440e-02
C26	3.336685e-03	1.512673e-08	1.640271e-02	5.426189e-02
C27	3.840766e-02	9.363391e-06	1.579679e-01	4.668110e-01
C27	8.833412e-04	2.352556e-07	3.666462e-03	1.089751e-02
C28_32	1.187707e-03	9.690105e-08	4.869838e-03	1.435759e-02
C29	5.266088e-03	1.459073e-06	2.152084e-02	6.312996e-02
C30	4.855475e-04	1.399871e-07	2.058455e-03	6.189774e-03
C31	1.122855e-02	3.834608e-07	5.589973e-02	1.852374e-01
E37-39	4.431408e-05	3.436870e-08	9.663140e-05	1.068414e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.590032e-05	3.082137e-07	1.388601e-04	2.894169e-04
D35	3.175473e-05	1.062884e-08	1.336607e-04	4.075642e-04
D35	3.008582e-05	2.655394e-07	6.970284e-05	1.515365e-04
D35	2.257053e-06	1.998172e-08	5.232470e-06	1.137732e-05
D35	9.664831e-08	1.197485e-09	2.546564e-07	6.710516e-07
D35	8.442747e-08	7.475203e-10	1.954288e-07	4.248953e-07
D35	1.735974e-06	1.536860e-08	4.024466e-06	8.750675e-06
D35	4.083028e-08	5.653894e-12	7.426076e-08	5.113684e-08
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	4.641769e-06	4.109364e-08	1.076208e-05	2.343571e-05
D35	2.294808e-05	2.031447e-07	5.320184e-05	1.158534e-04
D35	7.418200e-05	1.711319e-07	1.948731e-04	3.874729e-04
D35	2.944254e-05	6.170334e-08	7.479239e-05	1.414930e-04
D35	1.128107e-04	2.577047e-07	2.929748e-04	5.741394e-04
E36	1.249940e-05	4.683345e-08	2.435416e-05	4.186267e-05

F	6.956289e-04	1.372530e-06	2.293857e-03	6.469498e-03
F	6.018662e-07	1.886054e-09	1.817240e-06	5.336715e-06
G45	2.015948e-04	1.991957e-06	5.213051e-04	1.373097e-03
G47	6.507324e-05	6.507207e-07	1.708500e-04	4.492883e-04
G46	9.555983e-03	1.342100e-05	3.015145e-02	1.122104e-01
G47	2.123644e-03	3.529011e-06	9.636115e-03	5.728490e-02
I	2.544147e-04	2.608557e-07	8.684765e-04	5.897146e-03
H49	3.089388e-03	5.647449e-05	5.753968e-03	1.523365e-02
H49	1.080082e-02	1.894007e-04	2.075814e-02	5.437670e-02
H49	6.191965e-05	8.153360e-07	1.529257e-04	5.081125e-04
H50	8.278566e-05	1.551833e-06	1.488319e-04	3.716987e-04
H50	1.924745e-06	3.248723e-08	3.830198e-06	9.666796e-06
H51	1.485458e-04	8.930753e-07	5.080164e-04	1.483091e-03
H52	6.621299e-03	8.899494e-05	2.873757e-02	4.070791e-02
H53	2.007050e-04	1.588799e-07	7.370399e-04	2.024211e-03
K64	6.396257e-04	6.677751e-07	2.226435e-03	6.052567e-03
K65	3.653018e-04	1.097076e-06	1.230307e-03	3.273570e-03
K66	1.125783e-06	1.322555e-09	6.597428e-06	2.814566e-06
L68	6.443893e-04	1.097608e-06	1.425871e-03	2.577651e-03
M_N	3.479124e-04	2.880487e-07	1.283670e-03	3.429574e-03
J62_63	1.550657e-04	3.538720e-08	7.415538e-04	2.431671e-03
M_N	8.760610e-04	3.530303e-08	2.069841e-03	1.243685e-02
M_N	3.117583e-03	3.448092e-06	1.118632e-02	3.946489e-02
O84	3.279103e-05	2.405689e-08	1.293624e-04	3.774296e-04
P85	2.173453e-05	3.371321e-08	7.551040e-05	2.249492e-04
M_N	1.553608e-05	4.611801e-08	5.676780e-05	1.874691e-04
E37-39	7.359211e-06	8.111575e-09	2.208545e-05	1.473934e-04
E37-39	5.112539e-06	5.785760e-09	1.482372e-05	1.104136e-04
E37-39	8.276832e-07	1.199328e-09	3.108763e-06	2.352945e-05
E37-39	9.384359e-05	1.097028e-08	1.711457e-04	3.605689e-04
E37-39	6.886384e-07	1.257969e-09	2.596348e-06	2.283836e-05
E37-39	1.483306e-06	1.694832e-09	4.522198e-06	3.085269e-05
E37-39	8.295927e-06	9.210867e-09	2.489291e-05	1.665982e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	4.345599e-05	4.774199e-08	1.299526e-04	8.633809e-04
E37-39	7.729915e-06	8.100648e-09	2.361537e-05	1.515516e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.663440e-05	1.829161e-08	5.003414e-05	3.329304e-04
E37-39	3.100255e-05	3.442117e-08	9.313163e-05	6.231438e-04
E37-39	4.345763e-05	4.811015e-08	1.310576e-04	8.664241e-04
E37-39	2.922598e-05	3.248291e-08	8.780856e-05	5.877043e-04
E37-39	3.313265e-06	3.669917e-09	1.032685e-05	6.732579e-05
E37-39	2.021878e-05	2.256539e-08	6.065857e-05	4.069025e-04
E37-39	5.991391e-06	6.672734e-09	1.839456e-05	1.222442e-04
E37-39	7.901528e-06	8.656548e-09	2.382465e-05	1.574509e-04
R_S	3.831233e-06	1.084536e-08	2.877089e-05	2.116606e-04
R_S	6.418719e-05	2.515654e-07	2.065106e-04	5.583509e-04

	R_S	1.120861e-05	7.639362e-09	4.127192e-05	1.165302e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
DE	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.469794e-10	0.000000e+00	1.200508e-09	1.338611e-02
	A01	2.375272e-10	0.000000e+00	7.689476e-02	2.526409e+00
	A01	1.656270e-10	0.000000e+00	5.730499e-10	5.650265e-03
	A01	1.926145e-10	0.000000e+00	6.664232e-10	1.811548e-09
	A01	8.040539e-03	5.489076e-07	6.734956e-06	4.162631e-05
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	9.848035e-05	1.386135e-06	1.274156e+00	4.057898e+01
	A01	5.002034e-10	0.000000e+00	1.730644e-09	4.704436e-09
	A01	8.833508e-10	0.000000e+00	3.056289e-09	8.307956e-09
	A01	2.066107e-10	0.000000e+00	7.148486e-10	1.943184e-09
	A01	1.149571e-04	1.681375e-06	2.543849e-04	1.774150e-03
	A01	4.509606e-05	6.733918e-07	9.835426e-05	3.490987e-04
	A01	7.934161e-10	0.000000e+00	2.745125e-09	7.462116e-09
	A01	1.266145e-12	0.000000e+00	4.380712e-12	1.190816e-11
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	1.969795e-04	5.481326e-08	1.042018e-03	3.274222e-03
	A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	4.029316e-02	4.447116e-07	1.524199e-01	4.136155e-01
	B_nongas	9.592073e-04	1.000818e-07	1.559745e-02	1.261064e-02
	B_gas	6.470176e-03	5.675148e-07	1.057368e-01	7.558536e-02
	B_gas	4.396527e-06	2.606502e-10	5.748840e-05	3.553219e-05
	B_nongas	8.793346e-07	7.869587e-08	1.640108e-05	2.436946e-05
	B_nongas	3.493515e-07	5.158558e-10	1.426772e-06	4.422255e-06
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.050709e-05	4.203995e-09	3.664486e-05	1.001406e-04
	B_nongas	1.942592e-09	2.497088e-12	7.874007e-09	4.088248e-05
	B_nongas	4.690477e-04	6.019804e-08	2.033548e-03	7.085941e-03
	B_nongas	2.971704e-04	1.265132e-07	1.185406e-03	4.954951e-03
	B_nongas	1.406295e-02	5.280418e-08	6.019225e-02	1.861834e-01
	C10-12	5.132534e-05	3.086859e-08	1.016312e-04	1.643453e-01
	C10-12	8.351854e-05	4.477745e-08	1.682276e-04	2.735578e-01
	C10-12	8.585374e-05	5.722319e-08	1.702003e-04	1.639074e-02
	C10-12	4.616685e-06	6.928603e-09	9.128163e-06	1.878757e+00
	C10-12	2.535045e-05	1.565895e-08	5.033915e-05	4.035264e-01
	C10-12	7.041111e-04	3.939743e-07	1.394979e-03	3.089437e-01
	C10-12	1.180116e-09	1.758182e-11	2.372652e-09	2.601139e-03
	C10-12	3.435848e-05	2.095461e-08	6.821422e-05	4.068256e-01
	C10-12	9.604922e-04	4.852398e-07	1.908208e-03	4.606451e+00
	C10-12	2.407116e-04	1.624464e-07	4.781412e-04	1.892691e+00
	C10-12	6.613558e-04	5.057102e-07	1.316609e-03	5.064060e+00

C10-12	4.311201e-03	6.318637e-04	1.210379e-01	2.280149e-02
C13-15	6.770199e-03	1.656549e-07	4.198589e-02	1.587955e-01
C13-15	1.479274e-04	5.709807e-09	1.441342e-03	6.244320e-03
C13-15	5.121049e-03	5.176370e-09	3.228104e-02	1.184581e-01
C16	7.574408e-03	2.380257e-06	3.507854e-02	1.101739e-01
C16	1.327248e-03	4.231956e-07	6.132896e-03	1.923140e-02
C17	6.199511e-05	9.428942e-08	1.891878e-04	5.176155e-04
C17	3.128962e-04	4.414749e-07	1.028887e-03	2.920434e-03
C17	2.224807e-02	7.413690e-07	8.589779e-02	2.493638e-01
C18	5.634776e-04	1.725354e-08	2.635556e-03	8.425353e-03
C19	2.853010e-04	1.827789e-07	8.776939e-04	6.815976e-04
C19	7.535447e-01	6.142282e-05	1.249682e+01	8.247570e+00
C24	2.419315e-04	1.623595e-07	4.787141e-04	3.605887e-04
C20-21	4.410377e-02	4.979768e-06	6.909892e-01	1.506289e+00
C20-21	6.065406e-03	6.136194e-07	9.555584e-02	2.132762e-01
C20-21	3.824042e-03	1.507291e-09	6.787890e-03	4.264818e-03
C20-21	1.013662e+00	2.742481e-05	1.994597e+00	1.311078e+00
C20-21	2.912993e-03	1.914330e-07	3.140700e-02	4.103266e-02
C22	6.177448e-02	2.032879e-05	3.380301e-01	1.134491e+00
C23	1.013405e-02	2.224145e-06	4.430972e-02	1.309386e-01
C23	3.595595e-03	7.893608e-07	1.572143e-02	4.646296e-02
C23	6.431304e-04	3.491720e-08	2.884429e-03	7.939617e-03
C23	1.402778e-04	1.490262e-08	6.090324e-04	1.481978e-03
C23	7.554699e-04	9.932920e-08	3.213816e-03	7.246068e-03
C23	1.245261e-04	2.075156e-08	5.290653e-04	1.193260e-03
C23	4.086239e-03	4.548389e-08	1.920538e-02	5.837488e-02
C24	8.304553e-03	7.464235e-07	1.193713e-01	8.553531e-02
C24	2.892555e-03	2.529763e-07	4.176936e-02	2.963786e-02
C24	4.410718e-04	4.245586e-08	6.045662e-03	4.409166e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.402719e-04	7.317091e-08	1.010179e-02	7.425826e-03
C24	1.064567e-03	1.036100e-07	1.452840e-02	1.066496e-02
C24	3.055979e-04	3.020894e-08	4.094987e-03	3.091383e-03
C24	1.345335e-04	1.798812e-08	1.831838e-03	1.327465e-03
C24	2.270245e-03	1.972831e-07	3.148432e-02	2.285392e-02
C24	1.638724e-06	2.227457e-10	2.231697e-05	1.639176e-05
C24	2.426556e-04	2.277559e-08	3.347829e-03	2.408460e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.366678e-03	2.038930e-07	3.281499e-02	2.363032e-02
C25_33	3.372502e-02	7.294853e-06	1.685603e-01	5.035000e-01
C25	4.875416e-02	7.309955e-06	1.810126e-01	3.976491e-01
C26	1.195154e-02	1.074522e-07	5.902781e-02	1.956643e-01
C27	3.059074e-01	7.424301e-05	1.272742e+00	3.792907e+00
C27	2.764339e-03	6.122571e-07	1.178388e-02	3.576420e-02
C28_32	1.830013e-02	1.744456e-06	8.524670e-02	2.718932e-01
C29	8.373855e-03	2.153842e-06	3.445942e-02	9.792554e-02
C30	2.039161e-03	3.585198e-07	9.350729e-03	2.947613e-02
C31	8.643013e-02	7.565502e-07	4.640658e-01	1.592988e+00

E37-39	1.879595e-04	1.043410e-07	6.590772e-04	1.574123e-03
E37-39	7.169333e-04	4.440788e-07	2.945217e-03	8.061168e-03
D35	1.088498e-03	1.708927e-06	3.994747e-03	1.071065e-02
D35	2.956383e-04	6.211182e-07	1.044052e-03	2.711686e-03
D35	3.272998e-04	6.921791e-07	1.152460e-03	2.997037e-03
D35	5.399484e-05	1.133967e-07	1.873219e-04	4.775857e-04
D35	8.750646e-05	1.830786e-07	3.064075e-04	7.865183e-04
D35	2.791323e-05	5.912247e-08	9.849459e-05	2.556299e-04
D35	6.276207e-05	1.322442e-07	2.204162e-04	5.746170e-04
D35	6.464888e-06	1.508805e-08	2.279274e-05	5.973240e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.762425e-05	6.177817e-08	9.595283e-05	2.454200e-04
D35	6.924994e-04	1.067205e-06	2.535337e-03	6.788220e-03
D35	2.146392e-03	3.039307e-06	7.889830e-03	2.113118e-02
D35	9.796877e-04	1.429978e-06	3.590593e-03	9.607338e-03
D35	2.003964e-04	4.020706e-07	6.834042e-04	1.752024e-03
E36	1.370984e-03	3.117871e-07	4.862851e-03	1.323165e-02
F	1.656890e-02	2.405640e-06	4.752932e-02	6.464555e-02
F	3.462641e-05	7.663144e-09	9.635518e-05	1.178467e-04
G45	3.945177e-04	1.813938e-07	1.184433e-03	3.088254e-03
G47	1.635650e-04	1.312448e-06	4.523105e-04	1.186790e-03
G46	1.106943e-02	8.340735e-05	2.951310e-02	1.088164e+00
G47	1.540630e-03	3.047337e-06	7.200431e-03	4.926626e-02
I	5.713956e-03	1.098188e-08	1.995519e-02	1.896936e-01
H49	4.565775e-02	8.595906e-04	8.169389e-02	2.039395e-01
H49	6.626794e-02	1.183724e-03	1.243319e-01	3.129696e-01
H49	1.147035e-04	1.863319e-06	2.356088e-04	5.972240e-04
H50	3.532588e-02	8.785776e-05	5.171576e-01	3.560226e-01
H50	1.486216e-03	1.820653e-05	1.039678e-02	1.000532e-02
H51	2.242808e-03	1.594410e-05	6.509481e-03	1.761700e-02
H52	4.623855e-02	7.373335e-04	9.482310e-02	2.419660e-01
H53	5.992487e-03	3.705992e-06	2.246756e-02	6.202547e-02
K64	3.975120e-02	4.150403e-05	1.383672e-01	3.761518e-01
K65	3.453234e-03	1.036338e-05	1.163082e-02	3.094751e-02
K66	1.903309e-05	0.000000e+00	1.173264e-04	4.558653e-05
L68	1.013770e-03	9.516488e-07	3.592781e-03	9.716713e-03
M_N	9.770778e-03	7.911037e-06	3.562364e-02	9.391374e-02
J62_63	6.254916e-04	0.000000e+00	2.993698e-03	9.791237e-03
M_N	4.119550e-05	7.927608e-10	1.394656e-04	3.524282e-04
M_N	1.009456e-01	8.059391e-05	3.690513e-01	9.691035e-01
O84	9.642204e-06	9.678454e-10	2.603073e-05	3.221697e-05
P85	1.632918e-05	0.000000e+00	5.664795e-05	1.540085e-04
M_N	1.420552e-05	0.000000e+00	8.231043e-05	2.925878e-04
E37-39	7.733034e-06	1.638750e-09	3.141691e-05	9.151079e-05
E37-39	9.568267e-06	1.936155e-09	3.880193e-05	1.130354e-04
E37-39	1.286735e-05	1.463977e-09	4.990954e-05	1.432493e-04

DK	E37-39	3.011385e-03	4.551210e-09	5.185987e-03	6.337173e-03
	E37-39	1.387636e-06	2.615834e-10	5.438925e-06	1.557816e-05
	E37-39	5.460631e-06	1.083869e-09	2.345851e-05	7.064766e-05
	E37-39	1.848820e-05	3.174956e-09	8.169665e-05	2.508409e-04
	E37-39	7.702844e-07	1.195390e-10	3.030205e-06	8.650528e-06
	E37-39	7.602105e-08	1.760227e-11	5.243427e-07	1.493367e-06
	E37-39	3.003780e-05	1.177809e-08	1.250900e-04	3.697423e-04
	E37-39	2.215246e-05	1.484193e-09	9.242348e-05	2.788491e-04
	E37-39	3.675508e-08	2.210098e-11	1.334418e-07	3.564653e-07
	E37-39	9.309655e-06	1.553985e-09	4.136293e-05	1.283068e-04
	E37-39	8.243041e-05	1.889220e-08	3.476887e-04	1.045470e-03
	E37-39	8.773292e-07	2.041927e-11	4.328840e-06	1.432033e-05
	E37-39	1.318014e-06	5.651612e-10	5.583272e-06	1.666946e-05
	E37-39	1.312175e-07	3.036462e-11	8.648648e-07	2.601676e-06
	E37-39	9.853472e-06	1.033086e-09	4.749748e-05	1.546246e-04
	E37-39	5.198970e-07	2.171675e-12	2.591172e-06	8.614850e-06
	E37-39	3.315869e-07	4.065402e-11	1.489049e-06	4.654270e-06
	R_S	2.303546e-08	0.000000e+00	7.969953e-08	2.166483e-07
	R_S	1.018790e-03	3.704194e-09	3.578403e-03	9.758234e-03
	R_S	2.258440e-05	0.000000e+00	7.809396e-05	2.122725e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	2.619256e-03	8.353480e-02
	A01	0.000000e+00	0.000000e+00	5.933226e-04	2.646339e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	6.310590e-06
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	5.643668e-03	3.852792e-07	4.727210e-06	2.921740e-05
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	7.731897e-08	5.977116e-11	2.071934e-02	6.643518e-01
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	7.930125e-06	6.163780e-09	2.877796e-05	3.504369e-02
	A01	1.879805e-07	1.455515e-10	6.811498e-07	7.025451e-04
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A02	2.694345e-08	2.180965e-11	1.314986e-02	4.186899e-01	
A03	3.561476e-08	2.657116e-11	1.274083e-07	3.166343e-07	
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	2.130981e-07	8.250844e-11	6.807475e-07	1.032773e-06	
B_gas	6.172968e-08	4.957197e-11	2.253464e-07	5.930267e-07	
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	

B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.477918e-09	6.597494e-13	5.334580e-09	2.521082e-06
B_nongas	2.755766e-07	2.192723e-11	1.300949e-06	5.138968e-05
B_nongas	2.978764e-05	1.320556e-12	1.275920e-04	3.961862e-04
C10-12	5.656460e-05	1.546846e-09	2.025382e-04	9.518295e-03
C10-12	1.101673e-05	5.237647e-10	2.421630e-04	8.801174e-03
C10-12	2.274672e-06	2.132278e-10	1.153449e-04	3.656678e-03
C10-12	4.599753e-08	2.246073e-12	2.808144e-04	4.001635e-02
C10-12	3.251179e-07	1.142499e-11	4.432485e-05	5.143152e-03
C10-12	1.905569e-05	7.648845e-10	3.565732e-04	1.377393e-02
C10-12	1.434798e-10	6.788958e-15	7.382097e-10	2.484345e-09
C10-12	1.712169e-06	2.040059e-10	2.663854e-05	9.844970e-03
C10-12	1.520280e-05	8.535046e-10	4.872763e-03	2.062995e-01
C10-12	5.502056e-06	2.095572e-10	1.396471e-04	1.106447e-02
C10-12	1.452808e-05	9.022705e-10	3.505769e-03	5.125027e-01
C10-12	4.782653e-05	6.798224e-06	1.307977e-03	1.668537e-03
C13-15	1.619461e-04	5.398756e-09	6.446749e-04	3.289607e-03
C13-15	3.559585e-06	2.820319e-10	2.695694e-05	1.758528e-04
C13-15	1.316931e-05	2.436032e-11	8.297189e-05	3.044398e-04
C16	3.035124e-05	6.734897e-09	1.389279e-04	6.575157e-04
C16	2.805468e-05	6.250024e-09	1.284391e-04	6.059535e-04
C17	1.756110e-07	2.483086e-11	9.101784e-07	1.352427e-05
C17	7.828517e-07	1.092362e-10	3.986184e-06	6.174582e-05
C17	7.714214e-05	4.145253e-10	3.028486e-04	1.070435e-03
C18	2.537562e-05	6.359615e-09	1.220727e-04	3.930303e-04
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	3.931679e-04	2.730532e-08	5.809718e-03	4.410063e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	7.428762e-06	5.203417e-09	3.164855e-05	6.473004e-04
C20-21	2.709336e-05	1.656692e-08	1.237728e-04	1.290732e-03
C20-21	1.722258e-07	1.080037e-10	8.080724e-07	2.515912e-05
C20-21	1.219793e-02	3.302699e-07	2.398390e-02	1.583985e-02
C20-21	3.259265e-06	2.062622e-09	1.508735e-05	4.814896e-04
C22	8.922534e-04	2.522815e-07	4.347057e-03	1.449962e-02
C23	6.201237e-05	1.359186e-08	2.707793e-04	8.332142e-04
C23	2.406417e-05	5.276613e-09	1.050740e-04	3.238744e-04
C23	1.609612e-05	1.709221e-09	7.216021e-05	2.384546e-04
C23	3.058298e-05	6.223564e-09	1.323029e-04	4.678111e-04
C23	1.508106e-05	3.121141e-09	6.522551e-05	2.308002e-04
C23	3.826987e-06	7.918361e-10	1.654519e-05	5.857257e-05
C23	3.605619e-05	4.705054e-09	1.614426e-04	5.439013e-04
C24	2.479481e-05	5.338974e-09	1.206704e-04	7.534050e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.251865e-07	1.062360e-10	2.057819e-06	2.014520e-05

C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.503153e-06	1.059481e-09	2.237724e-05	1.430249e-04
C24	1.512426e-05	3.222883e-09	7.273643e-05	4.464099e-04
C24	6.412612e-06	1.451534e-09	3.233869e-05	1.502103e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.082045e-06	4.853784e-10	1.030630e-05	7.456005e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.507353e-06	3.459915e-10	7.508598e-06	4.817884e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	1.094190e-03	2.445911e-07	5.413379e-03	2.510415e-02
C25	8.281664e-04	9.750326e-08	2.961439e-03	6.025354e-03
C26	1.336286e-06	5.834947e-11	4.781494e-06	8.721209e-05
C27	4.701404e-03	1.144991e-06	1.957130e-02	5.893184e-02
C27	3.253689e-05	6.295674e-09	1.248264e-04	3.431415e-04
C28_32	2.177496e-04	9.135840e-09	1.196400e-03	5.308168e-03
C29	8.319471e-06	8.980775e-10	3.373395e-05	5.276252e-04
C30	3.095137e-05	2.274007e-09	1.572308e-04	6.624495e-04
C31	1.201518e-03	6.972846e-09	6.455757e-03	2.217140e-02
E37-39	1.940214e-08	1.570612e-11	7.073826e-08	1.864866e-07
E37-39	2.200964e-06	1.623024e-09	7.988034e-06	2.111441e-05
D35	9.621021e-09	7.585518e-12	3.503069e-08	9.242218e-08
D35	6.658824e-11	0.000000e+00	2.303874e-10	6.262655e-10
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	9.192705e-08	7.442966e-11	3.351602e-07	8.835747e-07
D35	3.366374e-09	2.654156e-12	1.225716e-08	3.233832e-08
D35	5.202679e-10	4.101957e-13	1.894326e-09	4.997837e-09
D35	1.062293e-09	8.375456e-13	3.867871e-09	1.020468e-08
D35	2.415384e-14	0.000000e+00	8.356943e-14	2.271680e-13
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.171392e-10	0.000000e+00	4.052879e-10	1.101700e-09
D35	2.279543e-08	1.797264e-11	8.299950e-08	2.189792e-07
D35	2.351781e-08	1.854218e-11	8.562970e-08	2.259185e-07
D35	5.923505e-10	0.000000e+00	2.049462e-09	5.571084e-09
E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
F	3.363204e-03	6.515638e-07	1.476232e-02	4.542844e-02
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	3.987937e-05	1.114550e-08	1.046851e-04	2.726531e-04
G47	5.506869e-06	3.584030e-08	1.624585e-05	4.272201e-05
G46	9.759682e-04	1.271146e-05	2.069383e-03	5.328680e-03
G47	2.646785e-05	1.742500e-07	7.754775e-05	2.025307e-04
I	1.785938e-04	9.450610e-09	6.255836e-04	1.695805e-03
H49	3.894020e-04	7.346853e-06	6.950519e-04	1.734597e-03
H49	1.882743e-03	3.378029e-05	3.515919e-03	8.846233e-03
H49	1.312104e-06	2.326294e-08	2.491094e-06	6.218949e-06

	H50	2.087535e-04	3.853225e-06	3.771385e-04	9.112885e-04
	H50	2.847255e-05	5.377012e-07	5.076029e-05	1.264502e-04
	H51	2.376863e-05	1.796676e-07	6.630812e-05	1.764423e-04
	H52	7.095813e-04	1.114958e-05	1.465628e-03	3.749163e-03
	H53	3.319641e-05	2.504126e-08	1.147722e-04	2.739008e-04
	K64	7.587195e-04	7.889757e-07	2.643788e-03	7.185497e-03
	K65	7.344347e-05	2.204950e-07	2.473548e-04	6.581594e-04
	K66	2.604557e-07	0.000000e+00	1.507158e-06	8.788212e-07
	L68	8.771572e-06	8.098144e-09	3.116794e-05	8.395699e-05
	M_N	1.574057e-04	1.271634e-07	5.742337e-04	1.514650e-03
	J62_63	1.898235e-05	4.912415e-09	7.918984e-05	2.367215e-04
	M_N	8.767478e-06	4.238376e-09	3.140933e-05	8.360325e-05
	M_N	1.916757e-03	1.527895e-06	7.005066e-03	1.837358e-02
	O84	4.318020e-07	1.054267e-10	1.519677e-06	4.089435e-06
	P85	2.170496e-07	5.052566e-11	7.640289e-07	2.058413e-06
	M_N	5.648654e-07	4.550773e-10	2.058948e-06	5.428730e-06
	E37-39	3.763435e-08	2.372294e-11	1.373159e-07	3.675299e-07
	E37-39	1.289908e-08	2.770970e-12	4.717167e-08	1.306912e-07
	E37-39	2.404115e-08	1.388398e-12	8.808503e-08	2.473282e-07
	E37-39	7.876714e-07	3.916631e-12	1.335382e-06	1.562058e-06
	E37-39	1.824902e-08	3.480435e-12	6.662026e-08	1.847051e-07
	E37-39	1.040408e-08	4.176575e-12	3.800106e-08	1.036662e-07
	E37-39	1.085272e-08	7.078073e-12	3.959675e-08	1.057923e-07
	E37-39	9.404824e-09	7.134351e-13	3.431844e-08	9.597199e-08
	E37-39	1.232132e-10	9.943587e-14	3.704550e-08	1.040892e-07
	E37-39	1.496421e-08	1.015180e-11	5.458074e-08	1.454832e-07
	E37-39	1.845036e-08	7.233583e-13	6.763219e-08	1.902268e-07
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.097315e-08	2.957315e-12	4.006474e-08	1.104091e-07
	E37-39	1.190955e-08	6.087120e-12	4.350715e-08	1.176708e-07
	E37-39	1.705864e-10	1.376672e-13	6.218438e-10	1.639510e-09
	E37-39	1.220197e-10	9.847270e-14	4.448021e-10	1.172734e-09
	E37-39	1.010132e-11	8.151996e-15	3.682264e-11	9.708398e-11
	E37-39	1.254439e-08	8.890574e-12	4.015880e-08	1.058799e-07
	E37-39	2.517653e-11	2.031804e-14	9.177675e-11	2.419721e-10
	E37-39	3.036212e-11	2.450293e-14	1.106799e-10	2.918109e-10
	R_S	2.080388e-07	1.500375e-10	7.543458e-07	1.994856e-06
	R_S	1.239255e-05	1.344314e-09	4.401245e-05	1.204741e-04
	R_S	3.241716e-07	1.478377e-10	1.155768e-06	3.085487e-06
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
EE	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.339368e-10	8.502261e-14	4.740919e-07	1.505472e-05
	A01	1.381684e-07	3.843168e-11	5.748632e-06	1.644996e-04
	A01	1.901120e-09	5.273305e-13	8.905749e-09	9.084197e-06
	A01	1.964483e-08	5.466370e-12	9.210014e-08	2.911019e-07
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.561889e-09	7.128983e-13	1.201092e-08	3.796321e-08

A01	4.101278e-07	2.286767e-09	2.150549e-05	6.538511e-04
A01	1.871359e-10	4.506193e-14	8.472083e-10	2.638794e-09
A01	3.245617e-09	8.863018e-13	1.514399e-08	4.777222e-08
A01	1.697374e-09	4.633990e-13	7.919426e-09	2.498146e-08
A01	4.127013e-07	3.030912e-09	1.230384e-06	3.436393e-06
A01	7.243582e-07	5.294558e-09	2.165020e-06	6.769999e-06
A01	5.861503e-09	1.545563e-12	2.711293e-08	8.522089e-08
A01	1.525051e-12	0.000000e+00	5.848114e-12	1.680008e-11
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	2.440525e-06	1.036155e-08	9.526900e-06	2.805835e-05
A03	4.070910e-07	4.778988e-09	1.081317e-06	2.960477e-06
B_nongas	1.380164e-05	1.124740e-07	1.408919e-04	5.326508e-05
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	1.451570e-06	2.186537e-08	3.111744e-06	8.144541e-06
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	3.265986e-06	3.740244e-08	9.092792e-06	2.553989e-05
B_nongas	5.031310e-07	7.593463e-09	1.099346e-06	2.818136e-06
B_nongas	2.583480e-07	3.997875e-09	5.465634e-07	1.377654e-06
C10-12	9.639844e-08	5.527508e-10	3.005176e-07	1.007081e-05
C10-12	8.597509e-07	9.978600e-09	2.172645e-06	9.798280e-06
C10-12	4.908023e-08	2.638975e-10	1.554876e-07	8.899754e-07
C10-12	3.954988e-09	1.272152e-11	1.363778e-08	1.380230e-03
C10-12	1.789830e-08	9.205338e-11	5.731177e-08	1.747877e-05
C10-12	2.513102e-06	9.722685e-09	8.381203e-06	1.475284e-04
C10-12	1.223456e-09	5.410883e-12	3.983975e-09	8.902291e-07
C10-12	9.948105e-11	4.456714e-15	4.949599e-10	1.642775e-09
C10-12	1.794203e-06	6.827481e-09	5.991551e-06	7.290830e-04
C10-12	1.733301e-07	8.186977e-10	5.617685e-07	1.404160e-03
C10-12	1.896883e-06	6.996707e-09	6.358164e-06	1.933979e-04
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	3.447591e-05	4.611622e-09	2.395176e-04	9.410154e-04
C13-15	2.449668e-06	5.778759e-09	1.312072e-05	4.724715e-05
C13-15	2.755510e-06	1.016667e-09	1.712951e-05	6.289486e-05
C16	9.661648e-05	6.416018e-08	4.453810e-04	1.401899e-03
C16	5.390352e-05	4.213017e-08	2.474936e-04	7.786593e-04
C17	3.258203e-07	1.193238e-09	1.099494e-06	2.905670e-06
C17	2.351393e-08	8.805218e-11	7.918526e-08	2.094048e-07
C17	2.857854e-05	1.008018e-09	1.107178e-04	3.214928e-04
C18	2.293211e-06	8.645607e-09	7.820567e-06	2.128374e-05

C19	3.491166e-08	6.758833e-11	1.680097e-07	3.017112e-07
C19	6.757203e-06	4.987252e-08	7.166874e-05	2.647204e-05
C24	3.097090e-10	2.468327e-13	1.133144e-09	2.977881e-09
C20-21	8.641156e-08	1.558574e-10	3.564048e-07	9.539128e-07
C20-21	6.413469e-07	1.351388e-09	2.245832e-06	5.909765e-06
C20-21	5.748495e-09	1.201842e-11	2.013368e-08	5.301709e-08
C20-21	1.016667e-06	1.880905e-09	3.592258e-06	9.455416e-06
C20-21	3.018358e-07	6.180218e-10	1.057963e-06	2.789487e-06
C22	1.388221e-05	1.156159e-08	7.355526e-05	2.442915e-04
C23	8.795554e-06	1.890676e-08	3.593193e-05	1.057918e-04
C23	3.705411e-07	1.404219e-09	1.421694e-06	4.141364e-06
C23	1.134981e-07	1.531575e-09	2.721552e-07	7.155616e-07
C23	8.139423e-08	1.178481e-09	1.818706e-07	4.662007e-07
C23	5.050257e-06	7.173630e-08	1.143543e-05	2.931785e-05
C23	2.929921e-06	4.258768e-08	6.522732e-06	1.668204e-05
C23	1.385939e-06	1.678274e-08	3.745093e-06	1.035089e-05
C24	1.349252e-07	6.561405e-11	5.394730e-07	1.121922e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.216176e-07	2.582348e-10	1.183649e-06	3.101423e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.606990e-08	4.717315e-11	2.125482e-07	5.027034e-07
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.715696e-08	1.460712e-11	6.467182e-08	1.521770e-07
C24	1.036799e-06	8.390614e-10	3.782646e-06	9.966430e-06
C24	5.295242e-07	4.287139e-10	1.939466e-06	5.075544e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.141496e-08	3.939668e-11	1.473248e-07	3.278719e-07
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.673480e-09	6.638288e-12	2.870237e-08	6.704713e-08
C25_33	3.635219e-05	1.783879e-08	1.783511e-04	5.121393e-04
C25	1.527349e-05	1.406275e-08	4.837000e-05	5.867259e-05
C26	1.181498e-06	1.651550e-10	5.743403e-06	1.888678e-05
C27	7.912355e-05	2.357538e-08	3.294295e-04	9.809891e-04
C27	9.747968e-06	8.087008e-09	4.009128e-05	1.176986e-04
C28_32	5.854599e-06	5.746051e-10	3.216615e-05	1.101221e-04
C29	1.293905e-06	9.690695e-10	5.578321e-06	1.599802e-05
C30	1.343726e-07	1.333844e-10	4.855360e-07	1.274524e-06
C31	8.555123e-05	1.374337e-08	4.553703e-04	1.559151e-03
E37-39	1.051070e-06	1.503480e-08	2.369839e-06	6.060132e-06
E37-39	1.653820e-06	4.391920e-09	7.346813e-06	2.293873e-05
D35	3.585066e-06	3.472455e-09	1.311854e-05	3.438383e-05
D35	7.689770e-08	7.445223e-11	2.813574e-07	7.372834e-07
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.414466e-09	3.079761e-12	1.249272e-08	3.304194e-08
D35	2.035308e-08	1.933505e-11	7.408094e-08	1.954611e-07
D35	6.906429e-09	6.368585e-12	2.515996e-08	6.639424e-08
D35	5.304246e-09	4.888161e-12	1.932042e-08	5.096194e-08
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	6.653970e-08	6.527312e-11	2.443777e-07	6.373019e-07
D35	1.479440e-06	1.432877e-09	5.413508e-06	1.418822e-05
D35	1.061841e-06	1.028330e-09	3.885364e-06	1.018248e-05
D35	6.520002e-07	6.314820e-10	2.385776e-06	6.252878e-06
D35	3.911753e-06	3.787398e-09	1.431261e-05	3.750310e-05
E36	5.497178e-07	1.473909e-09	1.869264e-06	4.787646e-06
F	5.716575e-05	9.668197e-08	1.523298e-04	1.915560e-04
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.990899e-05	9.375413e-08	6.437714e-05	1.686166e-04
G47	3.252064e-06	1.314766e-08	1.070729e-05	2.814480e-05
G46	2.288193e-04	1.265606e-06	7.326384e-04	1.949232e-03
G47	4.001801e-05	9.014019e-08	1.402189e-04	3.685532e-04
I	1.425392e-05	1.919996e-08	4.872338e-05	1.310938e-04
H49	2.821391e-04	5.240175e-06	5.120620e-04	1.280615e-03
H49	7.027296e-04	1.225477e-05	1.348915e-03	3.403801e-03
H49	1.473739e-06	1.533709e-08	3.904276e-06	1.014524e-05
H50	3.371533e-04	6.039403e-06	6.351703e-04	1.594048e-03
H50	5.623225e-06	8.125767e-08	1.260033e-05	3.214365e-05
H51	8.641623e-06	8.210825e-08	2.265101e-05	5.979771e-05
H52	7.360098e-04	1.144341e-05	1.533233e-03	3.924139e-03
H53	1.056579e-05	1.080372e-08	3.792634e-05	1.010508e-04
K64	1.454445e-05	1.427570e-08	5.166952e-05	1.406556e-04
K65	3.490277e-07	5.325500e-10	1.240621e-06	3.280279e-06
K66	2.971401e-06	2.301320e-09	1.113785e-05	2.771567e-05
L68	1.240106e-05	1.604691e-08	4.417467e-05	1.171645e-04
M_N	3.300624e-04	3.582488e-07	1.194063e-03	3.147005e-03
J62_63	4.636462e-06	3.476319e-09	1.704788e-05	4.543719e-05
M_N	2.889681e-07	2.020343e-10	1.042162e-06	2.719115e-06
M_N	4.335200e-04	3.693422e-07	1.582386e-03	4.156137e-03
O84	2.523997e-06	2.763557e-08	6.482756e-06	1.673566e-05
P85	4.335059e-07	4.480436e-10	1.553430e-06	4.110538e-06
M_N	1.109477e-06	9.600811e-10	4.044330e-06	1.067508e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.976229e-09	3.796001e-12	6.790094e-09	1.902854e-08
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	3.674834e-08	2.851365e-11	1.338758e-07	3.545525e-07
E37-39	6.874168e-08	5.738967e-11	2.491599e-07	6.560249e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	4.810889e-08	4.163527e-11	1.747831e-07	4.612533e-07
E37-39	3.038761e-07	1.553788e-10	1.107084e-06	2.999500e-06
E37-39	6.691087e-10	8.544038e-13	2.394908e-09	6.241882e-09
E37-39	7.954588e-08	6.107349e-11	2.891700e-07	7.688782e-07

	E37-39	1.472103e-07	1.218331e-10	5.350961e-07	1.416537e-06
	E37-39	1.960073e-07	1.611986e-10	7.102745e-07	1.873542e-06
	E37-39	1.360617e-07	1.147500e-10	4.941693e-07	1.305905e-06
	E37-39	7.868038e-08	6.518450e-11	3.204030e-07	8.492850e-07
	E37-39	1.306522e-07	9.166923e-11	3.663850e-07	9.635994e-07
	E37-39	2.481589e-08	2.254957e-11	1.158634e-07	3.088084e-07
	E37-39	3.825352e-08	2.786343e-11	1.389066e-07	3.700863e-07
	R_S	5.088985e-07	4.082497e-10	1.857348e-06	4.887103e-06
	R_S	2.030088e-06	1.619158e-09	7.262101e-06	1.943170e-05
	R_S	9.470912e-07	7.795250e-10	3.441869e-06	9.082966e-06
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
ES	A01	4.801478e-11	3.679162e-14	1.752237e-10	7.505725e-05
	A01	9.561362e-08	7.634348e-11	1.052797e-04	3.437917e-03
	A01	1.443874e-07	1.152768e-10	2.457764e-04	1.040821e-02
	A01	2.743410e-07	2.189772e-10	1.003037e-06	6.124124e-03
	A01	1.093803e-07	8.731283e-11	3.999894e-07	1.050506e-06
	A01	1.266749e-08	1.011428e-11	4.631526e-08	1.216352e-07
	A01	8.475483e-09	6.768140e-12	3.098855e-08	8.138313e-08
	A01	1.611030e-06	1.374898e-09	1.290717e-02	4.110852e-01
	A01	7.161564e-08	5.717704e-11	2.618588e-07	6.877132e-07
	A01	2.062475e-07	1.646593e-10	7.542065e-07	1.980784e-06
	A01	7.143424e-08	5.701480e-11	2.611910e-07	6.859661e-07
	A01	4.471654e-07	5.865039e-10	1.599510e-06	5.803938e-05
	A01	1.430489e-07	2.844601e-10	4.982959e-07	9.047853e-06
	A01	1.793330e-07	1.431769e-10	6.556972e-07	1.722032e-06
	A01	1.802347e-11	1.439241e-14	6.595029e-11	1.732202e-10
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	3.320044e-07	1.856516e-11	3.655284e-03	1.163659e-01
	A03	1.023932e-10	0.000000e+00	3.913838e-10	5.241059e-03
	B_nongas	1.768842e-06	1.923479e-08	4.157343e-06	8.804616e-06
	B_nongas	2.673605e-07	2.125624e-09	1.924651e-06	2.031786e-06
	B_gas	2.638734e-08	2.102152e-10	1.901059e-07	2.002158e-07
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.015367e-06	7.102160e-09	7.084741e-06	8.406852e-06
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.050382e-07	9.507853e-11	4.200324e-07	1.229797e-06
	B_nongas	8.484836e-09	7.803238e-12	3.385670e-08	9.907951e-08
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.063822e-08	9.810442e-12	4.243230e-08	1.241621e-07
	B_nongas	2.012334e-05	8.552662e-10	9.812269e-05	3.208628e-04
	B_nongas	1.680427e-06	1.464823e-09	6.983532e-06	2.022504e-05
	B_nongas	3.815516e-04	1.696159e-10	1.634276e-03	5.013514e-03
	C10-12	3.335468e-07	2.408100e-10	1.230329e-06	4.232491e-03
	C10-12	2.822730e-06	2.207351e-09	1.034708e-05	4.616612e-03

C10-12	4.520588e-07	3.285903e-10	1.676716e-06	4.996797e-04
C10-12	4.239472e-07	8.840459e-10	1.518464e-06	8.820220e-04
C10-12	5.584256e-07	3.324562e-10	2.157588e-06	2.203023e-02
C10-12	1.136684e-06	8.587736e-10	4.187071e-06	7.717532e-04
C10-12	6.015452e-08	1.931116e-10	1.983442e-07	1.978196e-03
C10-12	1.510484e-07	3.433895e-10	5.460782e-07	2.103952e-03
C10-12	2.643468e-06	1.607359e-09	9.894540e-06	1.550497e-01
C10-12	1.180927e-06	6.354753e-10	4.360755e-06	9.112793e-02
C10-12	1.028416e-06	6.468340e-10	3.856096e-06	3.066552e-01
C10-12	4.548879e-05	6.719230e-06	1.286460e-03	2.424865e-04
C13-15	2.293952e-04	7.539554e-09	1.517885e-03	5.825337e-03
C13-15	2.485187e-05	7.969180e-10	1.774637e-04	6.935675e-04
C13-15	9.968518e-04	5.076449e-10	6.285457e-03	2.372744e-02
C16	9.177924e-05	1.181662e-08	4.662798e-04	1.540267e-03
C16	3.121269e-05	4.481677e-09	1.592268e-04	5.280865e-04
C17	3.346894e-07	4.062097e-10	1.753936e-06	5.836791e-06
C17	1.057418e-06	5.935267e-10	5.704524e-06	1.904106e-05
C17	4.251193e-04	7.952782e-09	1.684405e-03	4.949003e-03
C18	5.172858e-05	1.299123e-08	2.364305e-04	7.442753e-04
C19	2.195359e-07	3.924989e-09	4.108460e-07	1.031480e-06
C19	5.783352e-04	2.749360e-07	9.357559e-03	6.202572e-03
C24	4.455710e-06	7.966176e-08	8.338470e-06	2.093489e-05
C20-21	4.459530e-05	1.012270e-08	2.395372e-04	3.285628e-03
C20-21	8.003319e-06	1.891834e-09	4.267898e-05	5.771577e-04
C20-21	2.329509e-08	5.810154e-11	1.110133e-07	1.444012e-06
C20-21	2.537038e-07	1.802397e-10	1.323528e-06	1.770025e-05
C20-21	5.427902e-06	1.172767e-09	2.918924e-05	4.003210e-04
C22	1.124405e-03	3.778141e-07	6.226106e-03	2.119953e-02
C23	1.883757e-04	4.253219e-08	8.247870e-04	2.454824e-03
C23	9.083436e-05	2.055972e-08	3.980131e-04	1.183902e-03
C23	4.630266e-05	5.444554e-09	2.121285e-04	6.451715e-04
C23	4.281747e-06	1.755472e-09	1.930923e-05	5.772765e-05
C23	7.204576e-05	2.003526e-08	3.178761e-04	9.423387e-04
C23	4.631820e-05	1.588402e-08	2.029125e-04	6.085974e-04
C23	6.421624e-05	4.486751e-09	3.013780e-04	9.295464e-04
C24	1.693129e-05	4.330507e-09	8.486479e-05	2.140162e-04
C24	5.238711e-05	1.304999e-08	2.627249e-04	6.485568e-04
C24	5.592674e-07	1.852695e-10	2.798026e-06	6.986332e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.169525e-06	1.930882e-09	4.140218e-05	1.024684e-04
C24	4.810632e-06	1.214514e-09	2.437586e-05	6.047248e-05
C24	3.404270e-06	1.033869e-09	1.717745e-05	4.486563e-05
C24	9.713093e-07	3.246669e-10	4.878773e-06	1.218019e-05
C24	9.345561e-06	2.330430e-09	4.735944e-05	1.168605e-04
C24	8.158807e-13	1.212334e-14	1.542270e-12	3.947613e-12
C24	2.893227e-07	9.638674e-11	1.452325e-06	3.628446e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.188435e-06	2.443221e-09	4.631194e-05	1.156235e-04

C25_33	1.590331e-03	3.467007e-07	7.421828e-03	2.155151e-02
C25	2.238490e-03	4.412976e-07	9.040888e-03	2.464930e-02
C26	2.144156e-05	5.755041e-10	1.067143e-04	3.554650e-04
C27	7.669127e-03	1.867101e-06	3.191737e-02	9.516307e-02
C27	1.742865e-05	4.015017e-09	7.287980e-05	2.242964e-04
C28_32	1.001736e-04	8.734537e-09	5.410508e-04	1.828332e-03
C29	2.061420e-04	2.084459e-08	8.581167e-04	2.609826e-03
C30	1.134538e-04	2.100431e-08	5.211435e-04	1.638821e-03
C31	8.683356e-04	4.648058e-09	4.652461e-03	1.593028e-02
E37-39	4.993311e-07	3.852418e-10	1.799688e-06	4.620143e-06
E37-39	2.072064e-06	1.606037e-08	5.757388e-06	1.502888e-05
D35	1.248137e-05	3.684596e-08	4.634318e-05	1.325288e-04
D35	3.023185e-05	6.797473e-08	1.160097e-04	3.365293e-04
D35	7.638729e-06	2.295765e-08	2.843197e-05	8.169123e-05
D35	3.174917e-06	9.576914e-09	1.185561e-05	3.416445e-05
D35	3.080888e-06	9.481570e-09	1.151963e-05	3.334398e-05
D35	5.501994e-06	1.650288e-08	2.048001e-05	5.884636e-05
D35	4.156823e-07	1.261440e-09	1.554274e-06	4.494854e-06
D35	5.607441e-08	1.694921e-10	2.094229e-07	6.038767e-07
D35	8.691654e-10	2.407806e-12	3.280601e-09	9.511517e-09
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.067931e-07	6.271075e-10	7.732149e-07	2.236063e-06
D35	2.839241e-06	8.489906e-09	1.055962e-05	3.028941e-05
D35	7.794337e-05	1.379115e-07	3.037523e-04	8.826851e-04
D35	4.942927e-05	9.808469e-08	1.913543e-04	5.558896e-04
D35	6.161933e-07	1.865080e-09	2.303361e-06	6.655271e-06
E36	4.090222e-06	2.433584e-09	1.282436e-05	2.620877e-05
F	3.416328e-04	9.594954e-08	9.407668e-04	3.630923e-03
F	5.981699e-07	2.809903e-10	1.674021e-06	6.750853e-06
G45	1.510319e-05	1.396887e-07	3.655572e-05	9.718701e-05
G47	7.691414e-06	8.120363e-08	1.951064e-05	5.124486e-05
G46	3.731482e-04	2.485476e-06	5.630495e-03	1.571474e-01
G47	4.148149e-05	1.561775e-07	7.955768e-04	5.886295e-02
I	1.228924e-03	1.021156e-07	4.282848e-03	1.170381e-02
H49	8.348818e-04	1.574380e-05	1.491448e-03	3.733655e-03
H49	4.072572e-03	7.289327e-05	7.626532e-03	1.928567e-02
H49	1.049699e-05	1.602244e-07	2.241987e-05	6.323979e-05
H50	8.418425e-05	1.587775e-06	1.502937e-04	3.751276e-04
H50	1.502718e-05	2.843107e-07	2.674938e-05	6.672742e-05
H51	2.919849e-04	1.278655e-06	1.027586e-03	2.980190e-03
H52	2.376798e-03	3.728205e-05	4.916785e-03	1.260957e-02
H53	7.747340e-05	2.084275e-07	2.660785e-04	7.067601e-04
K64	5.230249e-04	5.456723e-07	1.821016e-03	4.948832e-03
K65	5.808453e-05	1.648993e-07	1.968802e-04	5.232614e-04
K66	5.424478e-07	3.863842e-11	3.236799e-06	1.611247e-06
L68	1.544833e-05	1.440136e-08	5.465331e-05	1.472342e-04
M_N	1.281656e-04	1.157267e-07	4.653448e-04	1.221622e-03

J62_63	1.524785e-05	5.356621e-09	6.672884e-05	2.068576e-04
M_N	1.905485e-07	1.270482e-13	6.604490e-07	1.791785e-06
M_N	9.099299e-04	7.262257e-07	3.363285e-03	9.837406e-03
O84	1.159249e-04	1.683632e-06	2.070235e-03	5.849897e-02
P85	6.893313e-06	3.193764e-08	2.122754e-05	7.896870e-05
M_N	1.023803e-06	1.147495e-10	5.153503e-06	1.713459e-05
E37-39	3.030069e-08	1.114674e-11	1.077437e-07	2.798425e-07
E37-39	3.134334e-08	8.817983e-12	1.113708e-07	2.911177e-07
E37-39	2.929082e-08	2.288323e-12	1.064382e-07	2.941867e-07
E37-39	5.015637e-06	1.758809e-11	8.487497e-06	9.871127e-06
E37-39	8.978600e-09	1.767906e-12	3.216541e-08	8.613048e-08
E37-39	6.349183e-09	2.112066e-12	2.231359e-08	5.691192e-08
E37-39	3.227800e-08	1.810996e-11	1.135492e-07	2.837646e-07
E37-39	4.321713e-07	3.110696e-10	1.574354e-06	4.137831e-06
E37-39	4.752979e-08	3.754160e-11	2.087715e-07	5.516810e-07
E37-39	1.287043e-07	9.426202e-11	4.657991e-07	1.208201e-06
E37-39	1.437824e-07	3.892039e-11	5.194231e-07	1.398147e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	3.349973e-08	6.100036e-12	1.160104e-07	2.923317e-07
E37-39	5.021983e-08	1.703852e-11	1.717604e-07	4.148148e-07
E37-39	8.088700e-08	3.386609e-11	2.772353e-07	6.714791e-07
E37-39	8.915717e-08	4.646410e-11	3.136164e-07	7.884042e-07
E37-39	9.607734e-09	6.118249e-12	1.150297e-07	3.028578e-07
E37-39	1.223134e-07	7.888670e-11	3.860712e-07	9.423244e-07
E37-39	8.924605e-09	5.894738e-12	7.740740e-08	2.012592e-07
E37-39	2.878334e-08	7.336273e-12	1.015851e-07	2.645258e-07
R_S	9.778770e-07	1.166653e-10	4.615816e-06	2.861022e-05
R_S	3.069828e-05	1.351102e-08	1.129278e-04	3.074815e-04
R_S	3.925425e-06	3.930418e-10	1.397159e-05	3.636830e-05
T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
FI A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	3.150950e-10	8.605672e-13	8.934523e-06	2.848600e-04
A01	1.006273e-09	2.748269e-12	1.022183e-04	3.256421e-03
A01	5.095120e-10	1.391546e-12	1.156560e-09	1.569807e-06
A01	7.392761e-11	2.019063e-13	1.678110e-10	7.963239e-08
A01	5.980011e-11	1.633222e-13	1.357425e-10	6.441472e-08
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	8.532602e-07	6.557551e-10	1.251569e-03	3.976781e-02
A01	4.441819e-10	1.213121e-12	1.008265e-09	4.784582e-07
A01	6.585274e-10	1.798527e-12	1.494816e-09	7.093440e-07
A01	3.519732e-10	9.612864e-13	7.989569e-10	3.791340e-07
A01	6.472826e-06	4.875348e-09	2.405178e-05	6.459091e-05
A01	8.533516e-07	6.642752e-10	3.142795e-06	8.370440e-06
A01	1.695586e-09	4.630875e-12	3.848873e-09	1.826430e-06
A01	0.000000e+00	0.000000e+00	0.000000e+00	2.400629e-10
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

A02	4.317314e-08	6.734764e-12	1.475960e-07	2.051360e-07
A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.105364e-04	7.658308e-07	1.131070e-03	5.227692e-04
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	7.829690e-07	6.892926e-10	3.156727e-06	9.309146e-06
B_nongas	1.501590e-08	1.368574e-11	6.098203e-08	1.797807e-07
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	3.524536e-08	2.680308e-11	1.438027e-07	4.268610e-07
B_nongas	1.570351e-08	1.424960e-11	6.354428e-08	1.876504e-07
B_nongas	3.143785e-08	2.847303e-11	1.307571e-07	3.762008e-07
B_nongas	5.026450e-11	6.270622e-14	1.811037e-10	4.770975e-10
B_nongas	2.336286e-06	6.845125e-09	8.327343e-06	2.301065e-05
B_nongas	4.295633e-05	3.129625e-09	1.832551e-04	5.609790e-04
C10-12	4.445244e-06	6.221079e-09	1.572763e-05	1.596180e-04
C10-12	9.019011e-07	2.836395e-09	2.937425e-06	3.832272e-04
C10-12	7.297422e-07	3.135299e-09	2.299402e-06	1.230133e-05
C10-12	2.306753e-08	5.679355e-11	9.041342e-07	2.733333e-03
C10-12	1.523402e-07	6.343386e-10	5.569547e-07	3.877073e-04
C10-12	5.054955e-06	2.751653e-08	1.569534e-05	3.612750e-04
C10-12	1.632163e-12	1.321502e-15	5.950762e-12	1.568785e-11
C10-12	2.993224e-07	1.238278e-09	1.017584e-06	3.955701e-04
C10-12	5.819918e-06	3.371720e-08	3.102907e-05	8.767907e-03
C10-12	1.374882e-06	6.867587e-09	4.582305e-06	2.295186e-03
C10-12	2.179705e-06	2.055606e-08	4.707924e-06	7.521960e-04
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	2.129440e-05	4.584232e-09	1.417765e-04	5.449973e-04
C13-15	3.470459e-06	2.099962e-09	2.456858e-05	9.637687e-05
C13-15	1.266347e-04	3.412937e-09	7.965866e-04	2.921722e-03
C16	5.190965e-04	1.673316e-07	2.424924e-03	7.640933e-03
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.629163e-05	9.438291e-09	6.360068e-05	1.761480e-04
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	8.278245e-04	3.719965e-08	3.260126e-03	9.546392e-03
C18	3.658697e-05	3.039352e-08	1.342673e-04	3.570036e-04
C19	5.228171e-07	1.085671e-09	1.228504e-06	1.889516e-06
C19	9.928436e-05	2.586048e-08	1.480068e-03	9.938770e-04
C24	1.151431e-08	2.339395e-11	2.755820e-08	4.400233e-08
C20-21	2.970446e-05	9.134700e-08	1.983714e-04	3.758016e-04
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	3.740967e-08	1.783410e-10	2.209371e-07	3.399975e-07
C20-21	2.588080e-03	7.385000e-08	5.091409e-03	3.345985e-03
C20-21	4.495187e-06	2.119821e-08	3.399204e-05	4.161373e-05
C22	2.604074e-04	9.193224e-08	1.436940e-03	4.843535e-03
C23	3.797182e-05	1.401945e-08	1.640831e-04	4.859913e-04

C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	6.525019e-07	1.191675e-09	2.546451e-06	7.299896e-06
C23	1.840225e-07	3.980210e-10	6.644032e-07	1.812674e-06
C23	7.472780e-06	1.236598e-08	2.607087e-05	6.824323e-05
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.237421e-05	7.204348e-09	5.539476e-05	1.683595e-04
C24	5.986384e-05	3.899033e-08	1.324701e-04	1.484141e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.745844e-07	3.344392e-10	8.531950e-07	1.072954e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.973060e-06	1.753719e-09	4.491906e-06	5.656536e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.011748e-06	4.561758e-09	1.586893e-05	1.922886e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.346879e-05	8.618340e-09	2.969258e-05	3.236663e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.109896e-05	7.179889e-09	2.230878e-05	1.689678e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.455360e-06	3.070294e-09	7.861904e-06	9.888163e-06
C25_33	2.269266e-04	9.530083e-08	1.036686e-03	2.995990e-03
C25	1.825638e-03	6.630712e-07	7.097224e-03	1.853913e-02
C26	4.732813e-06	6.407222e-10	2.250491e-05	7.292782e-05
C27	2.782580e-03	7.427568e-07	1.157063e-02	3.447611e-02
C27	1.713107e-04	9.216043e-08	6.681451e-04	1.880258e-03
C28_32	1.051999e-04	5.822710e-08	5.445558e-04	1.836009e-03
C29	4.881665e-05	2.810815e-08	1.835808e-04	4.507066e-04
C30	1.133255e-04	6.945138e-08	4.849449e-04	1.471931e-03
C31	7.541586e-05	3.282342e-08	3.880021e-04	1.302780e-03
E37-39	1.026638e-06	4.320501e-09	3.741541e-06	1.057655e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.029757e-06	2.242625e-09	1.106026e-05	2.867239e-05
D35	4.588558e-06	2.090214e-09	1.824089e-05	5.197280e-05
D35	5.779955e-06	3.305199e-09	2.223197e-05	6.131331e-05
D35	3.544775e-06	1.966835e-09	1.370990e-05	3.802304e-05
D35	8.708489e-08	3.354932e-11	3.499207e-07	1.009548e-06
D35	1.112816e-07	5.704474e-11	4.343257e-07	1.215882e-06
D35	2.587837e-06	1.249951e-09	1.013813e-05	2.852423e-05
D35	6.389339e-09	1.693747e-12	2.644039e-08	7.844165e-08
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.344125e-07	1.067552e-10	9.298635e-07	2.645267e-06
D35	2.661766e-06	1.120706e-09	1.062563e-05	3.043867e-05
D35	1.347844e-05	6.390354e-09	5.278644e-05	1.482698e-04
D35	6.163792e-08	2.972391e-11	2.428604e-07	6.861787e-07
D35	5.114867e-06	2.485699e-09	2.036840e-05	5.797412e-05
E36	4.595375e-06	3.129922e-09	1.579280e-05	3.719767e-05
F	2.800882e-04	3.409949e-07	6.942866e-04	5.384093e-04

F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.154270e-05	6.450699e-09	3.548124e-05	9.276955e-05
G47	6.071350e-06	4.403704e-08	1.736828e-05	4.562428e-05
G46	2.693249e-04	2.034892e-06	7.548964e-04	1.961530e-03
G47	1.068541e-04	5.960934e-08	4.381692e-04	1.299156e-03
I	6.699471e-05	1.582607e-09	2.342987e-04	6.362944e-04
H49	4.070800e-04	7.627441e-06	7.320919e-04	1.828448e-03
H49	1.616067e-03	2.890025e-05	3.027879e-03	7.620710e-03
H49	1.925189e-06	2.960799e-08	4.132014e-06	1.048852e-05
H50	1.826171e-04	3.158544e-06	3.547441e-04	8.949704e-04
H50	2.946659e-06	5.411509e-08	5.403457e-06	1.353841e-05
H51	1.466374e-05	7.213988e-08	4.581855e-05	1.213990e-04
H52	7.781887e-04	1.206422e-05	1.624303e-03	4.155764e-03
H53	5.852472e-05	4.695254e-08	2.143702e-04	5.850554e-04
K64	4.691041e-04	4.897912e-07	1.632868e-03	4.438963e-03
K65	2.190110e-05	6.572567e-08	7.376392e-05	1.962724e-04
K66	9.199746e-08	0.000000e+00	5.691617e-07	2.150104e-07
L68	4.040437e-06	3.846563e-09	1.439923e-05	3.888803e-05
M_N	1.141493e-04	9.083935e-08	4.177517e-04	1.105565e-03
J62_63	3.567151e-05	1.928795e-08	1.385109e-04	3.883832e-04
M_N	7.564606e-06	5.561571e-09	2.802168e-05	7.474100e-05
M_N	1.165129e-03	9.201972e-07	4.262665e-03	1.120616e-02
O84	1.951236e-05	4.182646e-08	6.756064e-05	1.755772e-04
P85	4.593363e-07	3.330357e-10	1.671318e-06	4.403627e-06
M_N	1.048107e-06	1.321457e-09	3.824241e-06	1.028890e-05
E37-39	3.630456e-08	2.789730e-12	1.483080e-07	4.432900e-07
E37-39	4.736154e-08	2.040211e-12	1.847159e-07	5.392543e-07
E37-39	1.436190e-07	1.875477e-13	5.274478e-07	1.489602e-06
E37-39	1.182216e-04	9.437922e-11	2.000589e-04	2.334686e-04
E37-39	1.339986e-08	3.641245e-13	5.095970e-08	1.467475e-07
E37-39	1.959206e-08	2.153272e-12	8.360339e-08	2.551281e-07
E37-39	1.539434e-07	3.940259e-11	7.812574e-07	2.559028e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.775642e-08	9.276203e-13	6.989202e-08	2.049886e-07
E37-39	2.899772e-07	3.900357e-12	1.084729e-06	3.095817e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	3.108739e-08	4.293203e-12	1.373882e-07	4.258981e-07
E37-39	4.376968e-08	8.631055e-12	2.080068e-07	6.646471e-07
E37-39	1.370601e-07	3.747672e-11	7.071726e-07	2.329806e-06
E37-39	1.322433e-07	3.739900e-11	6.900537e-07	2.282550e-06
E37-39	1.304359e-08	4.515164e-12	1.912904e-07	5.758395e-07
E37-39	3.401002e-07	1.098880e-10	1.769301e-06	5.982223e-06
E37-39	6.761600e-09	2.340705e-12	8.944414e-08	2.717550e-07
E37-39	2.987770e-08	2.261706e-12	1.211145e-07	3.605070e-07
R_S	3.134235e-07	1.147628e-11	1.091712e-06	2.966580e-06
R_S	1.975287e-05	1.217931e-08	7.535637e-05	2.073144e-04
R_S	1.205845e-06	9.412141e-10	4.399653e-06	1.157514e-05

FR	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	6.503423e-05
	A01	0.000000e+00	0.000000e+00	1.762388e-03	5.620642e-02
	A01	0.000000e+00	0.000000e+00	5.373008e-04	8.950261e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	1.382247e-01
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	2.731227e-02	9.231780e-01
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	3.714041e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	8.673687e-04
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0.000000e+00	0.000000e+00	2.150036e-06	6.445405e-06
	A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	3.159927e-05	0.000000e+00	1.553168e-04	5.105931e-04
	B_nongas	2.486756e-06	0.000000e+00	1.224786e-05	4.030828e-05
	B_nongas	2.239846e-03	0.000000e+00	9.594260e-03	2.943369e-02
	C10-12	0.000000e+00	0.000000e+00	0.000000e+00	8.555643e-03
	C10-12	0.000000e+00	0.000000e+00	0.000000e+00	2.022116e-02
	C10-12	0.000000e+00	0.000000e+00	0.000000e+00	9.882837e-04
	C10-12	0.000000e+00	0.000000e+00	0.000000e+00	2.152725e-03
	C10-12	0.000000e+00	0.000000e+00	0.000000e+00	8.612506e-03
	C10-12	0.000000e+00	0.000000e+00	0.000000e+00	2.032755e-02
	C10-12	0.000000e+00	0.000000e+00	0.000000e+00	5.058038e-04
	C10-12	0.000000e+00	0.000000e+00	0.000000e+00	3.010302e-02
	C10-12	0.000000e+00	0.000000e+00	0.000000e+00	4.105312e-01
	C10-12	0.000000e+00	0.000000e+00	0.000000e+00	3.861358e-01
	C10-12	0.000000e+00	0.000000e+00	0.000000e+00	6.150616e-01
	C10-12	5.400160e-06	8.006129e-07	1.532192e-04	2.870334e-05

C13-15	3.985052e-04	0.000000e+00	2.809635e-03	1.108843e-02
C13-15	6.271411e-06	0.000000e+00	6.448919e-05	2.828956e-04
C13-15	1.109849e-04	0.000000e+00	6.999185e-04	2.569068e-03
C16	1.849629e-04	5.146974e-08	8.671632e-04	2.740863e-03
C16	1.138610e-04	3.168417e-08	5.338156e-04	1.687244e-03
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.033393e-03	0.000000e+00	7.887639e-03	2.292133e-02
C18	6.527341e-06	0.000000e+00	3.096617e-05	9.970314e-05
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	4.780114e-03	7.604466e-07	7.866428e-02	5.163685e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	3.751699e-07	3.719456e-07
C20-21	0.000000e+00	0.000000e+00	1.890002e-08	1.873760e-08
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	2.655552e-01	7.181720e-06	5.221030e-01	3.427903e-01
C20-21	1.060833e-02	2.500241e-07	1.905020e-02	1.191802e-02
C22	4.407116e-03	1.525185e-06	2.455994e-02	8.304086e-02
C23	8.519919e-04	1.891791e-07	3.728546e-03	1.109522e-02
C23	3.728282e-04	8.278402e-08	1.631597e-03	4.855224e-03
C23	1.359006e-05	0.000000e+00	6.323317e-05	1.944324e-04
C23	1.179742e-07	0.000000e+00	5.575859e-07	1.728297e-06
C23	3.265081e-07	0.000000e+00	1.731150e-06	5.670633e-06
C23	7.170073e-08	0.000000e+00	3.801581e-07	1.245263e-06
C23	3.656075e-04	0.000000e+00	1.733676e-03	5.382825e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	1.773002e-03	3.917301e-07	9.057828e-03	2.636213e-02
C25	1.480423e-03	3.674932e-08	4.145288e-03	1.052904e-03
C26	7.955406e-05	0.000000e+00	3.961537e-04	1.319194e-03
C27	1.654169e-02	4.029118e-06	6.882318e-02	2.051792e-01
C27	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C28_32	1.414980e-03	0.000000e+00	8.249417e-03	2.938690e-02
C29	1.113712e-04	0.000000e+00	4.509182e-04	1.350910e-03
C30	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C31	1.247836e-02	0.00000		

E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
F	2.065431e-04	2.839637e-08	4.994053e-04	2.266748e-04
F	1.359978e-07	1.869751e-11	3.288321e-07	1.492534e-07
G45	2.288940e-05	0.000000e+00	4.769252e-05	1.230175e-04
G47	2.420158e-05	2.181885e-07	6.400078e-05	1.681369e-04
G46	8.280864e-04	1.232692e-05	1.562578e-03	3.998526e-03
G47	1.417833e-05	2.182398e-07	2.598946e-05	6.623755e-05
I	8.972334e-04	0.000000e+00	3.133304e-03	8.515058e-03
H49	5.686558e-03	1.074062e-04	1.013798e-02	2.529778e-02
H49	1.354652e-02	2.431129e-04	2.529134e-02	6.363431e-02
H49	2.674143e-05	5.063666e-07	4.755987e-05	1.186258e-04
H50	2.888769e-04	5.470074e-06	5.137701e-04	1.281467e-03
H50	6.126556e-05	1.160104e-06	1.089613e-04	2.717759e-04
H51	2.046642e-04	1.552116e-06	5.703239e-04	1.517661e-03
H52	8.023043e-03	1.262405e-04	1.655292e-02	4.233996e-02
H53	2.363015e-04	2.121443e-07	8.442990e-04	2.271860e-03
K64	5.814787e-03	6.071309e-06	2.024024e-02	5.502323e-02
K65	3.268318e-04	9.815013e-07	1.100749e-03	2.928844e-03
K66	1.484417e-06	0.000000e+00	9.193098e-06	3.444823e-06
L68	4.654711e-05	4.369595e-08	1.649621e-04	4.461418e-04
M_N	1.041462e-03	8.432332e-07	3.797104e-03	1.001021e-02
J62_63	3.619349e-06	0.000000e+00	1.252252e-05	3.404015e-05
M_N	1.526808e-04	3.818781e-08	6.954736e-04	2.188013e-03
M_N	6.238545e-03	4.981822e-06	2.280973e-02	5.990365e-02
O84	1.891743e-04	6.264879e-07	6.327232e-04	2.457748e-03
P85	6.729934e-05	6.368427e-08	2.470973e-04	6.899742e-04
M_N	1.868826e-04	3.104628e-08	7.548737e-04	9.117954e-03
E37-39	3.260938e-08	0.000000e+00	1.193715e-07	3.364664e-07
E37-39	5.029137e-08	0.000000e+00	1.841876e-07	5.193196e-07
E37-39	2.100131e-07	0.000000e+00	7.697736e-07	2.171505e-06
E37-39	1.032469e-04	0.000000e+00	1.737919e-04	1.998698e-04

	E37-39	1.348054e-08	0.000000e+00	4.923442e-08	1.385705e-07
	E37-39	9.550042e-09	0.000000e+00	3.494961e-08	9.849305e-08
	E37-39	1.230526e-08	0.000000e+00	4.506362e-08	1.270516e-07
	E37-39	6.767786e-09	0.000000e+00	2.469842e-08	6.947895e-08
	E37-39	0.000000e+00	0.000000e+00	1.264246e-08	3.554926e-08
	E37-39	1.518295e-09	0.000000e+00	5.554572e-09	1.565030e-08
	E37-39	4.361319e-07	0.000000e+00	1.599150e-06	4.512173e-06
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	2.041759e-08	0.000000e+00	7.460762e-08	2.100510e-07
	E37-39	1.978723e-08	0.000000e+00	7.255199e-08	2.047111e-07
	E37-39	2.598297e-09	0.000000e+00	9.368345e-09	2.614798e-08
	E37-39	3.835379e-09	0.000000e+00	1.393713e-08	3.909837e-08
	E37-39	0.000000e+00	0.000000e+00	2.382573e-08	6.630840e-08
	E37-39	2.914868e-09	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	1.063988e-08	2.967199e-08
	E37-39	6.091412e-09	0.000000e+00	2.210455e-08	6.195514e-08
	R_S	2.760460e-06	3.515316e-09	9.952003e-06	2.612448e-05
	R_S	6.291067e-05	6.333077e-09	2.250711e-04	7.419122e-04
	R_S	2.166658e-06	0.000000e+00	7.492022e-06	2.036458e-05
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
GR	A01	0.000000e+00	0.000000e+00	0.000000e+00	9.713627e-05
	A01	0.000000e+00	0.000000e+00	4.114331e-05	1.310317e-03
	A01	0.000000e+00	0.000000e+00	0.000000e+00	5.002751e-05
	A01	0.000000e+00	0.000000e+00	0.000000e+00	1.021921e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	2.750205e-03	8.821966e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	1.017570e-03
	A01	0.000000e+00	0.000000e+00	0.000000e+00	1.318635e-04
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0.000000e+00	0.000000e+00	1.519984e-07	4.556626e-07
	A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	7.825523e-07	5.973520e-09	1.759414e-06	2.435725e-06
	B_nongas	7.616345e-10	0.000000e+00	3.751230e-09	1.234547e-08
	B_gas	1.968765e-08	0.000000e+00	8.452649e-08	2.596489e-07
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.601321e-08	1.765972e-10	3.515175e-08	6.686945e-08
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	2.046119e-06	6.919200e-11	8.751339e-06	2.683169e-05

B_nongas	1.904168e-06	2.774434e-08	4.124988e-06	1.040081e-05
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	3.470145e-06	7.711651e-11	1.484958e-05	4.553830e-05
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	8.471493e-06	1.195143e-07	1.956399e-05	5.202056e-05
B_nongas	9.833057e-05	2.252975e-10	4.211301e-04	1.291860e-03
C10-12	8.723507e-08	6.969913e-10	1.872669e-07	5.419773e-04
C10-12	1.355766e-07	1.655428e-09	3.035338e-07	1.275766e-03
C10-12	1.550284e-06	2.270434e-08	3.758237e-06	2.973777e-04
C10-12	2.004290e-06	2.861079e-08	4.932360e-06	3.446358e-04
C10-12	1.962748e-06	2.160503e-08	5.776918e-06	2.839081e-02
C10-12	3.310395e-06	3.889450e-08	1.143241e-05	2.262747e-02
C10-12	1.380929e-07	1.945350e-09	3.307441e-07	1.800192e-03
C10-12	4.742643e-07	6.032377e-09	1.253914e-06	5.863299e-03
C10-12	1.030439e-05	1.488334e-07	2.572800e-05	1.153106e-01
C10-12	3.733320e-06	4.254493e-08	1.226493e-05	6.077382e-02
C10-12	2.250085e-06	2.119512e-09	1.085345e-05	7.589895e-03
C10-12	7.478161e-05	1.101820e-05	2.108646e-03	3.977517e-04
C13-15	9.993339e-05	2.193655e-08	6.773691e-04	2.651951e-03
C13-15	2.983406e-06	2.085694e-08	1.828895e-05	9.336242e-05
C13-15	8.153847e-06	3.767835e-09	5.050346e-05	1.903831e-04
C16	1.286924e-05	7.092150e-09	5.539632e-05	1.678182e-04
C16	4.087059e-06	4.729065e-08	1.191075e-05	3.475178e-05
C17	1.211014e-07	3.368351e-10	3.739402e-07	9.286927e-07
C17	1.848594e-06	5.947941e-09	4.786256e-06	9.747279e-06
C17	3.402716e-05	1.300247e-08	1.258684e-04	3.544760e-04
C18	1.344239e-06	7.251434e-09	4.727907e-06	1.355642e-05
C19	7.861013e-09	9.649086e-11	1.796807e-08	4.472513e-08
C19	7.683710e-04	9.432401e-08	1.265483e-02	8.342240e-03
C24	5.103254e-08	2.574604e-12	2.968229e-07	1.056930e-06
C20-21	1.296673e-06	1.156739e-08	7.501857e-06	2.067822e-05
C20-21	8.268651e-06	7.375782e-08	4.783598e-05	1.614899e-04
C20-21	6.294607e-08	6.049592e-10	3.360370e-07	1.123311e-06
C20-21	7.325716e-04	2.346858e-08	1.441583e-03	9.519572e-04
C20-21	4.801989e-04	2.854161e-08	8.700426e-04	5.749588e-04
C22	3.231363e-04	1.763885e-07	1.782064e-03	6.032329e-03
C23	5.115453e-06	1.469434e-09	2.232504e-05	6.640328e-05
C23	6.873650e-06	1.600911e-09	3.006664e-05	8.946445e-05
C23	7.024245e-07	3.248753e-09	2.648931e-06	7.826352e-06
C23	1.542030e-06	1.233862e-08	4.597350e-06	1.261502e-05
C23	7.195747e-06	6.415238e-08	2.034074e-05	5.463508e-05
C23	6.625941e-06	6.088058e-08	1.838128e-05	4.894911e-05
C23	7.720234e-06	1.086804e-08	3.368102e-05	1.025859e-04
C24	2.312753e-06	1.533098e-08	8.508516e-06	2.430579e-05
C24	9.113486e-06	5.821599e-08	3.407778e-05	9.760686e-05
C24	1.660564e-07	4.630315e-10	7.099117e-07	2.189791e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

C24	9.508033e-06	5.201089e-08	3.650763e-05	1.074302e-04
C24	1.901835e-07	9.311763e-10	8.425064e-07	2.706837e-06
C24	5.311967e-08	2.737448e-10	2.139978e-07	6.450124e-07
C24	5.352592e-08	2.282957e-10	2.189503e-07	6.626973e-07
C24	7.540036e-06	3.013215e-08	2.932342e-05	8.585457e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.072302e-09	2.247901e-11	1.547739e-08	4.490921e-08
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	2.864925e-04	1.789032e-07	1.238859e-03	3.670764e-03
C25	2.894324e-04	1.061857e-07	1.185066e-03	3.407724e-03
C26	1.022277e-07	1.299751e-09	2.677330e-07	7.556270e-07
C27	3.112090e-03	7.748509e-07	1.294636e-02	3.858948e-02
C27	2.651499e-06	3.512096e-08	6.895938e-06	1.846191e-05
C28_32	2.838496e-05	2.315197e-09	1.648981e-04	5.871132e-04
C29	4.631312e-06	1.783469e-08	2.039954e-05	6.129684e-05
C30	2.362541e-06	3.781265e-08	4.816429e-06	1.209080e-05
C31	1.874605e-04	2.707884e-08	1.004114e-03	3.443128e-03
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.608822e-06	2.684791e-08	3.210256e-06	8.088795e-06
D35	2.775679e-06	4.747745e-08	5.393956e-06	1.363859e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.759911e-07	5.821692e-09	7.858893e-07	2.008931e-06
D35	2.352264e-07	4.015124e-09	4.576471e-07	1.150588e-06
D35	4.438805e-07	7.097771e-09	9.048165e-07	2.303875e-06
D35	2.333435e-08	3.985149e-10	4.528356e-08	1.142868e-07
D35	4.642046e-10	8.395305e-12	8.591167e-10	2.146265e-09
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	8.059135e-07	1.269852e-08	1.664711e-06	4.231172e-06
D35	3.223035e-06	5.056491e-08	6.680093e-06	1.697148e-05
D35	3.337117e-07	5.574789e-09	6.607490e-07	1.674438e-06
D35	8.549580e-07	6.733617e-09	2.480636e-06	6.465320e-06
E36	8.877158e-06	1.455180e-07	1.776276e-05	4.463308e-05
F	1.531615e-04	2.105725e-08	3.703326e-04	1.680901e-04
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	4.246943e-06	5.488896e-10	9.971210e-06	1.438259e-05
G47	5.059734e-06	2.514029e-08	1.304179e-05	2.298404e-05
G46	1.140307e-04	1.005350e-06	3.558773e-04	1.482227e-03
G47	7.227765e-06	5.583157e-08	1.828953e-05	7.887268e-05
I	1.350204e-03	4.080624e-07	4.677659e-03	1.270061e-02
H49	1.848204e-03	3.321029e-05	3.470740e-03	8.705719e-03
H49	3.044493e-03	5.285843e-05	5.869592e-03	1.481015e-02
H49	1.964010e-05	2.818261e-08	7.050223e-05	1.850071e-04
H50	8.078546e-04	8.303980e-06	2.287360e-03	6.394540e-03

H50	9.733660e-05	1.738088e-06	1.849236e-04	4.697719e-04	
H51	5.921604e-05	4.525534e-07	1.638945e-04	4.288599e-04	
H52	2.259903e-03	3.695572e-05	4.538541e-03	1.155941e-02	
H53	1.159401e-04	3.141305e-07	3.874985e-04	1.013394e-03	
K64	3.194092e-04	3.238742e-07	1.116422e-03	3.026191e-03	
K65	1.414566e-05	4.084739e-08	4.785427e-05	1.272388e-04	
K66	4.498707e-07	0.000000e+00	2.786080e-06	1.043996e-06	
L68	1.961080e-05	1.840259e-08	6.949050e-05	1.878903e-04	
M_N	2.725526e-05	2.206987e-08	9.936915e-05	2.619688e-04	
J62_63	3.597155e-06	6.194702e-10	1.254757e-05	3.359295e-05	
M_N	7.190861e-06	4.381974e-09	2.597061e-05	6.875949e-05	
M_N	2.967231e-03	2.369510e-06	1.084895e-02	2.849189e-02	
O84	1.201381e-04	1.908392e-07	4.292915e-04	1.127616e-03	
P85	2.984664e-05	2.383099e-08	1.091248e-04	2.865929e-04	
M_N	5.210822e-06	4.183932e-09	1.903402e-05	5.003496e-05	
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
E37-39	3.542664e-06	0.000000e+00	5.963244e-06	6.858044e-06	
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
E37-39	2.037182e-09	0.000000e+00	7.460453e-09	2.103388e-08	
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
E37-39	2.406157e-09	0.000000e+00	8.802748e-09	2.480221e-08	
E37-39	1.147339e-08	0.000000e+00	4.206909e-08	1.187024e-07	
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
E37-39	1.040413e-08	0.000000e+00	3.801759e-08	1.070351e-07	
E37-39	5.299896e-09	0.000000e+00	1.943264e-08	5.483070e-08	
E37-39	4.281488e-09	0.000000e+00	1.543721e-08	4.308678e-08	
E37-39	4.799281e-09	0.000000e+00	1.743978e-08	4.892451e-08	
E37-39	0.000000e+00	0.000000e+00	7.107124e-08	1.977954e-07	
E37-39	1.680646e-09	0.000000e+00	0.000000e+00	0.000000e+00	
E37-39	0.000000e+00	0.000000e+00	4.657914e-08	1.298977e-07	
E37-39	1.249386e-08	0.000000e+00	4.533781e-08	1.270738e-07	
R_S	8.866939e-10	0.000000e+00	3.064574e-09	8.329597e-09	
R_S	1.551492e-05	1.105349e-08	5.652531e-05	1.492453e-04	
R_S	3.415862e-07	0.000000e+00	1.181160e-06	3.210593e-06	
T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
HR	A01	2.542949e-09	1.656440e-12	1.285587e-08	6.763453e-07
	A01	1.259467e-06	1.845063e-09	2.305155e-05	1.010851e-02
	A01	1.353823e-06	2.194569e-09	1.503324e-05	9.935225e-02
	A01	5.237281e-06	6.461163e-09	1.983297e-05	1.141160e-04
	A01	4.831353e-06	1.331328e-08	1.727824e-05	4.566527e-05
	A01	9.294537e-08	1.073247e-10	3.428442e-07	8.978468e-07
	A01	3.211767e-06	3.391659e-09	1.169187e-05	5.367951e-05
	A01	4.347222e-05	6.086219e-08	1.997404e-03	6.256910e-02

A01	9.027500e-07	1.544428e-09	3.283674e-06	8.604967e-06
A01	7.602168e-07	1.110742e-09	2.806024e-06	7.346691e-06
A01	5.661939e-07	1.066632e-09	2.094303e-06	5.536571e-06
A01	6.363286e-05	1.459231e-07	2.233518e-04	1.351476e-03
A01	2.852788e-06	6.358445e-09	1.035841e-05	8.551356e-05
A01	3.925199e-06	5.524434e-09	1.430411e-05	3.766906e-05
A01	2.047018e-07	1.933421e-10	7.457413e-07	1.958724e-06
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	1.094140e-06	1.187481e-08	2.355239e-05	6.382482e-04
A03	4.284612e-05	1.382342e-08	2.378640e-04	5.578210e-03
B_nongas	3.239126e-04	3.562129e-07	1.240815e-03	3.241384e-03
B_nongas	7.346736e-07	4.301079e-09	4.263693e-06	8.810738e-06
B_gas	5.980979e-07	4.177743e-09	2.921308e-06	5.885536e-06
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	5.296300e-05	1.357888e-07	2.179252e-04	6.832963e-04
B_nongas	2.663109e-05	7.349288e-09	1.126382e-04	3.495998e-04
C10-12	2.977450e-05	3.359024e-09	5.971501e-05	5.305161e-05
C10-12	2.421157e-05	1.961485e-08	5.470372e-05	1.044025e-04
C10-12	7.611741e-05	7.378504e-08	1.589731e-04	2.140126e-04
C10-12	9.543992e-06	2.579240e-08	2.544125e-05	1.548359e-04
C10-12	4.851091e-05	5.643564e-08	1.316074e-04	1.508487e-02
C10-12	7.083100e-04	1.030889e-06	1.755272e-03	4.107437e-03
C10-12	8.485420e-07	2.388376e-09	3.624198e-06	1.030725e-03
C10-12	4.891575e-05	3.458955e-08	1.252207e-04	4.909633e-03
C10-12	1.724052e-04	8.847119e-07	6.936357e-04	7.468638e-02
C10-12	8.217365e-04	5.153256e-07	1.761766e-03	4.238475e-02
C10-12	1.864353e-04	3.758521e-08	4.375007e-04	5.167242e-04
C10-12	1.414969e-05	5.286709e-07	1.220644e-04	1.242627e-04
C13-15	2.629663e-04	1.994921e-07	1.520705e-03	5.520921e-03
C13-15	2.443952e-04	2.477078e-07	1.330037e-03	4.681874e-03
C13-15	4.378155e-04	6.431808e-08	2.742296e-03	1.005483e-02
C16	1.011993e-04	7.158878e-08	5.406140e-04	3.391549e-03
C16	1.480381e-05	4.265703e-08	7.151461e-05	5.375329e-04
C17	3.912460e-05	2.318589e-07	8.689925e-05	1.515869e-04
C17	3.054641e-05	1.885621e-07	6.732906e-05	1.174309e-04
C17	5.519589e-05	1.911707e-07	1.809387e-04	4.907736e-04
C18	1.330654e-04	6.057841e-07	4.492381e-04	1.322557e-03
C19	1.067451e-06	2.009133e-08	1.909430e-06	4.767585e-06

C19	3.147812e-04	4.694533e-06	1.372628e-03	1.807972e-03
C24	9.867069e-07	1.860223e-08	1.762183e-06	4.398674e-06
C20-21	1.261122e-05	1.787298e-07	3.050809e-05	2.305657e-04
C20-21	7.696434e-06	1.097669e-07	1.859251e-05	1.447505e-04
C20-21	1.060202e-07	1.434108e-09	2.602646e-07	1.088952e-06
C20-21	6.073902e-02	1.648859e-06	1.194187e-01	7.842791e-02
C20-21	2.037885e-04	4.196239e-08	5.694242e-04	7.052114e-04
C22	1.775862e-03	3.029463e-07	5.619996e-03	1.264958e-02
C23	8.593255e-05	9.415404e-10	2.397109e-04	2.136918e-04
C23	6.662419e-07	4.110146e-10	2.277297e-06	1.817491e-05
C23	9.804932e-06	2.503579e-09	3.269670e-05	1.189518e-04
C23	4.058306e-05	1.561662e-08	1.311087e-04	9.823225e-04
C23	3.404300e-04	1.403967e-07	1.174150e-03	6.927864e-03
C23	4.405727e-05	1.541415e-08	1.431443e-04	7.141338e-04
C23	9.443485e-05	1.319214e-08	3.894576e-04	1.316888e-03
C24	1.747392e-04	8.546181e-08	7.875645e-04	2.274881e-03
C24	5.024603e-05	3.036135e-08	2.110525e-04	6.035356e-04
C24	1.063464e-06	8.067815e-10	3.870630e-06	1.032153e-05
C24	6.203390e-12	7.515096e-14	1.391431e-11	3.624407e-11
C24	5.502361e-05	1.398070e-08	2.836120e-04	8.684546e-04
C24	2.289728e-05	1.799690e-08	9.228070e-05	2.544140e-04
C24	1.045910e-06	3.349335e-10	4.598037e-06	1.354927e-05
C24	2.836145e-07	8.472406e-11	1.190437e-06	3.455774e-06
C24	6.126582e-05	3.637090e-08	2.671516e-04	7.632178e-04
C24	6.050262e-07	3.249381e-10	2.279284e-06	6.187301e-06
C24	5.169861e-07	2.315094e-11	2.160444e-06	6.404852e-06
C24	1.972455e-08	4.375125e-12	1.005982e-07	2.932058e-07
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	2.987735e-03	9.849352e-07	9.593892e-03	2.111985e-02
C25	1.553505e-04	6.804461e-08	6.239304e-04	1.526771e-03
C26	1.058833e-06	1.238700e-08	3.150299e-06	1.204833e-05
C27	1.635688e-03	1.179352e-06	6.712072e-03	2.014737e-02
C27	1.988645e-05	2.480142e-07	5.139851e-05	2.023719e-04
C28_32	1.663612e-05	1.552825e-07	5.844807e-05	2.164850e-04
C29	3.465442e-05	5.163647e-07	8.450058e-05	2.430266e-04
C30	6.675540e-05	2.973571e-08	3.518473e-04	1.188491e-03
C31	1.059421e-03	7.263504e-07	5.319723e-03	1.795416e-02
E37-39	8.098943e-07	8.088022e-09	2.142847e-06	6.574366e-06
E37-39	3.190795e-07	2.308315e-09	1.064310e-06	3.101370e-06
D35	1.165556e-03	8.400250e-06	3.699836e-03	1.228233e-02
D35	4.339593e-04	3.525811e-06	1.324422e-03	5.077356e-03
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.735333e-05	1.005924e-07	1.366188e-04	6.313009e-04
D35	2.122205e-04	1.118559e-07	8.744598e-04	2.602166e-03
D35	3.162448e-04	8.596126e-07	1.202444e-03	4.183197e-03
D35	4.335845e-06	3.672455e-08	1.286710e-05	3.753702e-05
D35	2.158461e-07	1.079689e-10	8.903224e-07	2.649890e-06
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.073679e-04	2.463875e-06	9.346304e-04	2.989949e-03
D35	1.396778e-03	1.031230e-05	4.375903e-03	1.317098e-02
D35	4.855719e-05	4.539950e-07	1.402240e-04	5.394982e-04
D35	4.249826e-06	3.239047e-08	1.334197e-05	1.115341e-04
E36	1.362758e-05	1.085207e-07	3.169726e-05	5.937297e-05
F	7.217789e-04	4.368693e-07	1.748943e-03	4.660120e-03
F	1.817392e-06	1.755249e-09	4.395068e-06	1.651555e-05
G45	4.819009e-06	1.262254e-08	1.181265e-05	3.079427e-05
G47	7.494649e-06	6.839087e-08	1.980859e-05	5.201149e-05
G46	1.459141e-04	1.903473e-06	3.772538e-03	1.115720e-01
G47	8.180428e-06	9.378720e-08	2.035794e-05	6.526431e-05
I	1.685393e-03	3.580888e-07	5.942585e-03	1.872671e-02
H49	1.356829e-03	2.559929e-05	2.421610e-03	6.049883e-03
H49	3.910835e-03	7.013923e-05	7.305918e-03	1.838515e-02
H49	1.830538e-06	3.037137e-08	3.661625e-06	9.554981e-06
H50	4.158683e-04	7.873896e-06	7.397033e-04	1.845033e-03
H50	1.068420e-04	2.022863e-06	1.900428e-04	4.740234e-04
H51	5.302681e-05	4.060493e-07	1.478433e-04	1.357555e-03
H52	1.445198e-03	2.265609e-05	2.994469e-03	7.766148e-03
H53	4.198351e-04	3.902990e-07	1.492711e-03	3.996866e-03
K64	1.678608e-03	1.647077e-06	5.844087e-03	1.588687e-02
K65	1.383921e-04	4.156001e-07	4.660957e-04	1.240176e-03
K66	1.479550e-04	1.531031e-07	5.344659e-04	1.408736e-03
L68	4.242325e-05	3.878342e-08	1.532838e-04	3.985692e-04
M_N	7.162761e-05	4.141521e-08	2.658010e-04	7.240791e-04
J62_63	4.689842e-06	1.155393e-08	1.520735e-05	4.091351e-05
M_N	9.727517e-05	5.578875e-08	3.806023e-04	1.069146e-03
M_N	2.955946e-03	3.264298e-06	1.070907e-02	2.833860e-02
O84	1.882795e-06	4.436310e-10	6.655416e-06	4.303645e-05
P85	1.096591e-04	1.516283e-06	2.501669e-04	7.256237e-04
M_N	4.672248e-05	7.307952e-07	1.142554e-04	8.036271e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.073987e-07	2.872462e-09	4.735686e-07	1.317919e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.766928e-07	2.491097e-09	3.972425e-07	1.090838e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	8.570858e-07	2.957099e-09	2.881203e-06	8.123793e-06
E37-39	5.944405e-08	7.448067e-10	1.421853e-07	3.873020e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	4.473064e-07	4.838503e-09	1.138705e-06	3.376766e-06
E37-39	7.198312e-07	6.864350e-09	1.230419e-05	3.395344e-04

HU	E37-39	1.622464e-06	1.914678e-08	4.078393e-06	1.300289e-05
	E37-39	1.474777e-06	1.446054e-08	3.982632e-06	1.213226e-05
	E37-39	7.515801e-08	7.970562e-10	2.051117e-07	5.526390e-07
	E37-39	2.346093e-06	2.428946e-08	6.106768e-06	1.770890e-05
	E37-39	5.236950e-07	8.146162e-09	1.140224e-06	3.186452e-06
	E37-39	6.510711e-07	1.014952e-08	1.374944e-06	3.824984e-06
	R_S	1.331907e-06	8.395591e-10	4.951502e-04	1.568503e-02
	R_S	1.709719e-05	1.001717e-08	1.649921e-04	4.488165e-03
	R_S	2.668760e-06	1.036839e-10	8.736972e-06	2.112298e-05
	T	2.309336e-04	4.115788e-08	1.036495e-03	3.242036e-03
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.558243e-11	0.000000e+00	6.308995e-11	1.494644e-01
	A01	1.841958e-11	0.000000e+00	2.027503e-03	7.058631e-01
	A01	1.504274e-11	0.000000e+00	6.090486e-11	3.021533e-02
	A01	1.717634e-11	0.000000e+00	6.954335e-11	2.083455e-10
	A01	3.272086e-01	2.233772e-05	2.740742e-04	1.693967e-03
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.203009e-05	1.512784e-07	2.744169e-02	8.816908e-01
	A01	9.256520e-13	0.000000e+00	3.747767e-12	1.122797e-11
	A01	1.020079e-11	0.000000e+00	4.130083e-11	1.237335e-10
	A01	5.768518e-12	0.000000e+00	2.335550e-11	6.997095e-11
	A01	3.230456e-05	4.376133e-07	7.761911e-05	8.411897e-04
	A01	1.144950e-05	1.557602e-07	2.729893e-05	1.081072e-04
	A01	1.346583e-11	0.000000e+00	5.452028e-11	1.633378e-10
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	3.512145e-05	2.102783e-07	3.523276e-04	7.110151e-03
	A03	4.128579e-08	2.052389e-14	2.153761e-05	7.721198e-04
	B_nongas	5.290270e-06	4.249490e-09	2.282943e-05	4.776177e-05
	B_nongas	4.495144e-06	2.950630e-08	1.739952e-05	1.553544e-04
	B_gas	3.848549e-04	2.003071e-06	1.034881e-02	5.297670e-03
	B_gas	3.959288e-08	2.666629e-10	1.192781e-07	3.063086e-07
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	3.572644e-09	2.457333e-12	1.140152e-08	2.474706e-08
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	2.337439e-09	3.213604e-13	5.651746e-09	2.565268e-09
	B_nongas	3.705765e-06	5.798519e-08	8.207411e-06	2.697387e-05
	B_nongas	2.405475e-05	1.559810e-07	9.146877e-05	3.009553e-04
	B_nongas	1.984219e-06	1.384855e-09	8.311274e-06	2.540083e-05
	C10-12	9.381833e-04	4.214800e-08	1.858475e-03	4.374558e-03
	C10-12	4.754210e-05	2.623006e-07	3.109017e-04	9.337341e-03
	C10-12	2.208170e-05	1.181600e-07	2.946521e-04	9.566110e-03

C10-12	1.086310e-06	1.234079e-08	4.470980e-04	1.783991e-02
C10-12	1.031747e-05	3.033528e-08	8.143912e-05	3.873908e-02
C10-12	4.554748e-05	3.274640e-07	5.278829e-04	2.058327e-02
C10-12	9.616886e-08	1.311814e-09	8.270842e-07	1.707125e-04
C10-12	1.036599e-04	3.546358e-08	2.309426e-04	2.489581e-02
C10-12	7.674086e-05	5.640911e-07	1.324142e-03	3.635202e-01
C10-12	2.398937e-05	1.528458e-07	9.134574e-04	3.266308e-01
C10-12	1.557859e-05	1.278427e-07	3.577955e-05	1.879088e-04
C10-12	2.660479e-04	3.894661e-05	7.465655e-03	1.431141e-03
C13-15	1.897169e-04	5.752589e-08	1.136604e-03	5.356973e-03
C13-15	2.424553e-04	6.893254e-08	1.538908e-03	5.949126e-03
C13-15	1.116719e-03	2.878773e-07	6.935322e-03	2.569325e-02
C16	9.858474e-04	7.606015e-07	4.538551e-03	1.456550e-02
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.000485e-05	1.613565e-07	7.088048e-05	2.188752e-04
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	5.499694e-04	3.007222e-07	2.121469e-03	6.190188e-03
C18	1.484115e-04	1.301305e-07	6.896125e-04	2.177182e-03
C19	1.072254e-04	5.925496e-08	1.870483e-03	1.538889e-03
C19	1.247534e-01	1.211871e-05	2.070430e+00	1.370635e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	8.147616e-03	1.521170e-06	1.332180e-01	8.989556e-02
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	2.247630e-03	2.257995e-10	3.947552e-03	2.437893e-03
C20-21	2.915069e-02	7.912388e-07	5.747296e-02	3.773948e-02
C20-21	2.571748e-04	7.323869e-08	3.968111e-03	3.394121e-03
C22	4.402212e-03	1.730382e-06	2.399481e-02	8.062459e-02
C23	3.511783e-04	3.952628e-07	1.474331e-03	4.333101e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.383065e-05	2.152167e-07	6.419542e-05	1.567036e-04
C23	3.618341e-05	3.884901e-07	8.259852e-05	1.799681e-04
C23	1.234777e-04	1.338751e-06	2.764188e-04	5.812196e-04
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	3.783096e-04	5.224620e-07	1.677296e-03	5.109333e-03
C24	1.938944e-04	2.267645e-08	7.239787e-04	1.820730e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.558053e-07	1.777618e-10	2.518467e-06	6.744858e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.463895e-04	4.006517e-08	6.248181e-04	1.367826e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.528330e-07	2.239821e-10	2.811290e-06	6.717377e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.717897e-06	7.824900e-10	1.367456e-05	4.040108e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.442123e-08	2.164011e-11	3.132159e-07	8.093477e-07
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.148014e-05	6.597641e-09	1.465127e-04	3.432205e-04
C25_33	3.359969e-03	9.400896e-07	1.681504e-02	5.011567e-02

C25	3.076737e-03	1.292779e-06	1.200406e-02	3.045692e-02
C26	1.169004e-03	8.529153e-08	5.558265e-03	1.802339e-02
C27	1.295970e-02	3.359807e-06	5.436114e-02	1.626483e-01
C27	1.768260e-03	5.601621e-07	7.702253e-03	2.535969e-02
C28_32	1.095341e-03	1.951435e-07	4.524399e-03	1.323084e-02
C29	2.080180e-03	6.823431e-07	9.234457e-03	2.739594e-02
C30	1.494182e-04	8.024890e-08	6.586464e-04	1.950020e-03
C31	2.918219e-03	4.561629e-07	1.564587e-02	5.493531e-02
E37-39	4.891251e-05	1.442867e-07	1.000348e-04	1.580817e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.429599e-05	3.755299e-08	4.856991e-05	1.387981e-04
D35	3.698553e-05	1.214162e-07	1.222441e-04	3.601302e-04
D35	2.926122e-05	7.037801e-08	9.583454e-05	2.631523e-04
D35	3.122105e-07	7.300377e-10	1.132210e-06	3.348174e-06
D35	1.344117e-07	5.033716e-10	4.445411e-07	1.327839e-06
D35	1.642716e-06	4.659062e-09	5.771332e-06	1.706642e-05
D35	4.194481e-06	1.101029e-08	1.425062e-05	4.071082e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	7.098288e-08	2.532249e-10	2.356354e-07	6.931678e-07
D35	5.470868e-06	1.445859e-08	1.864110e-05	5.341657e-05
D35	2.890072e-05	7.310843e-08	9.853440e-05	2.802898e-04
D35	5.069284e-05	9.560784e-08	1.774853e-04	4.898257e-04
D35	1.814063e-04	4.404828e-07	6.190681e-04	1.746427e-03
E36	2.375221e-05	4.473152e-08	4.820757e-05	8.250342e-04
F	2.615530e-03	2.037669e-06	7.431877e-03	1.540434e-02
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	8.040490e-04	1.157160e-05	1.914976e-03	8.588135e-03
G47	1.230035e-04	1.612846e-06	3.182059e-04	1.639088e-03
G46	3.563082e-03	1.053065e-05	2.533747e-02	4.408501e-01
G47	6.209705e-04	1.772628e-06	2.210577e-03	2.776823e-02
I	1.162695e-03	2.796412e-07	4.096065e-03	1.288892e-02
H49	2.689096e-02	5.063397e-04	4.810846e-02	1.205301e-01
H49	5.337286e-02	9.562167e-04	9.983416e-02	2.519954e-01
H49	3.525939e-04	5.258652e-06	7.703924e-04	2.176154e-03
H50	1.774604e-06	2.242846e-08	4.631556e-06	1.303011e-05
H50	3.733713e-04	7.057697e-06	6.652573e-04	1.659589e-03
H51	1.161308e-04	1.423335e-06	2.759954e-04	7.196947e-04
H52	1.907686e-02	2.992619e-04	3.954295e-02	1.037270e-01
H53	9.888119e-04	6.307442e-06	2.927169e-03	7.661774e-03
K64	2.632568e-03	2.747667e-06	9.163535e-03	2.491111e-02
K65	2.214487e-05	6.598684e-08	7.460386e-05	1.985382e-04
K66	2.360082e-06	0.000000e+00	1.439077e-05	6.075013e-06
L68	1.918025e-04	7.968079e-07	8.461919e-04	9.815896e-03
M_N	1.350839e-03	1.082050e-06	4.933540e-03	1.302490e-02
J62_63	3.054313e-04	2.448157e-07	1.117280e-03	2.970022e-03

	M_N	5.972065e-05	2.770451e-08	3.822945e-04	6.759870e-03
	M_N	6.249446e-03	6.334601e-06	2.306972e-02	7.654824e-02
	O84	3.993812e-04	6.164422e-06	8.368022e-04	2.298534e-03
	P85	1.707625e-05	1.659252e-07	4.442873e-05	1.159866e-04
	M_N	6.866135e-06	2.365711e-09	2.759260e-05	8.043691e-05
	E37-39	3.076462e-06	2.821738e-08	8.664215e-06	8.963288e-05
	E37-39	2.498754e-06	2.339265e-08	6.985438e-06	7.146832e-05
	E37-39	9.177047e-07	7.978528e-09	2.622126e-06	2.132990e-05
	E37-39	7.878622e-05	4.835563e-08	1.377212e-04	2.968595e-04
	E37-39	5.327207e-07	4.713102e-09	1.515169e-06	1.452136e-05
	E37-39	6.767713e-07	5.675613e-09	1.957516e-06	1.776426e-05
	E37-39	2.655293e-06	2.467779e-08	7.445260e-06	7.558812e-05
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	6.595073e-06	6.213420e-08	1.841601e-05	1.942047e-04
	E37-39	4.229895e-06	3.776863e-08	1.198843e-05	1.209716e-04
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	5.904695e-06	5.864700e-08	1.619887e-05	1.869356e-04
	E37-39	1.027230e-05	1.012380e-07	2.827344e-05	3.235021e-04
	E37-39	2.100591e-05	1.963508e-07	5.883835e-05	6.346593e-04
	E37-39	1.311074e-05	1.308744e-07	3.590910e-05	4.160245e-04
	E37-39	1.852701e-06	1.508261e-08	5.564134e-06	5.095742e-05
	E37-39	5.052654e-06	5.038980e-08	1.381269e-05	1.602045e-04
	E37-39	2.893254e-06	2.713138e-08	8.293111e-06	8.808787e-05
	E37-39	4.042288e-06	3.738470e-08	1.135685e-05	1.212348e-04
	R_S	7.084238e-09	1.020403e-10	1.372786e-08	3.525480e-08
	R_S	5.509019e-05	1.344461e-07	1.938264e-04	7.818202e-04
	R_S	2.270931e-05	1.123412e-07	7.574718e-05	4.039879e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
IE	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.622124e-08	4.983422e-12	3.296662e-05	1.173602e-03
	A01	7.667013e-07	1.057020e-10	3.451431e-05	1.258940e-03
	A01	3.774651e-08	5.227098e-12	9.187382e-08	2.422512e-05
	A01	3.296307e-09	5.157884e-13	8.979714e-09	3.805978e-07
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	4.454617e-06	6.055528e-10	2.054069e-03	6.509842e-02
	A01	3.011535e-10	8.380215e-14	1.411900e-09	4.575907e-05
	A01	7.559105e-10	2.103476e-13	3.543941e-09	4.247344e-06
	A01	3.385431e-10	9.420657e-14	1.587194e-09	2.167171e-05
	A01	4.938526e-07	1.338425e-11	1.782564e-06	6.207058e-05
	A01	3.043257e-08	8.203911e-14	1.066564e-07	6.641731e-07
	A01	1.891140e-09	5.262487e-13	8.866249e-09	4.247152e-05
	A01	5.748170e-13	0.000000e+00	2.694919e-12	8.729641e-08
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	1.260539e-07	3.284875e-12	4.288198e-07	4.542565e-06

A03	1.905725e-08	2.988186e-12	5.201541e-08	1.776588e-05
B_nongas	4.783675e-09	7.118025e-11	9.028496e-09	2.309040e-08
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	3.174936e-08	4.726218e-10	5.991024e-08	1.533060e-07
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	7.528681e-10	1.118431e-11	1.422050e-09	3.628980e-09
B_nongas	1.026540e-08	1.527488e-10	1.937436e-08	4.955061e-08
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.006575e-06	3.439487e-09	3.834399e-06	2.311941e-05
B_nongas	1.471239e-07	5.024643e-10	5.603076e-07	3.377552e-06
B_nongas	1.946871e-08	6.678242e-11	7.430376e-08	4.486153e-07
C10-12	1.040785e-04	1.157665e-08	1.888536e-04	7.796649e-03
C10-12	6.341667e-04	9.791807e-08	1.154405e-03	1.558632e-03
C10-12	6.714457e-05	8.513505e-09	1.216844e-04	3.685913e-04
C10-12	1.470280e-04	1.149956e-08	2.655944e-04	6.899892e-03
C10-12	3.947913e-07	1.606959e-10	7.597194e-07	6.725951e-04
C10-12	8.370487e-05	1.146607e-08	1.525570e-04	1.541772e-02
C10-12	8.954121e-08	4.483918e-11	1.610587e-07	2.514788e-05
C10-12	9.569773e-06	3.741641e-09	1.762538e-05	4.926862e-04
C10-12	1.482329e-04	1.916656e-08	2.694122e-04	1.387857e-01
C10-12	1.512210e-05	3.980253e-09	2.785028e-05	7.954115e-02
C10-12	8.031715e-05	1.099879e-08	1.461664e-04	4.271046e-01
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	5.811684e-05	2.478878e-08	2.494141e-04	7.850924e-04
C13-15	2.754465e-06	1.660635e-08	1.288996e-05	4.573189e-05
C13-15	6.385709e-06	7.717463e-10	3.857406e-05	1.377740e-04
C16	1.232840e-04	5.309337e-08	6.507086e-04	2.135980e-03
C16	1.926807e-05	9.004225e-09	9.945554e-05	3.223893e-04
C17	2.655197e-05	1.825281e-08	1.239282e-04	3.641325e-04
C17	1.575209e-07	1.084876e-10	7.357789e-07	2.140744e-06
C17	1.408237e-04	2.086498e-08	5.702852e-04	1.655544e-03
C18	3.826785e-04	5.212075e-06	8.095650e-04	2.161967e-03
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	1.371090e-04	2.670828e-08	9.904435e-04	1.372718e-03
C24	1.202611e-07	8.244820e-12	6.873381e-07	2.400019e-06
C20-21	2.895238e-05	4.991269e-08	1.046545e-04	3.616038e-04
C20-21	2.039192e-04	1.553539e-07	7.738691e-04	3.985490e-03
C20-21	1.601989e-08	5.291277e-11	5.684028e-08	4.497897e-07
C20-21	3.595608e-02	9.729620e-07	7.069268e-02	4.641807e-02
C20-21	3.951099e-02	9.806060e-07	7.110730e-02	4.715599e-02
C22	5.138768e-03	1.745838e-06	2.785405e-02	9.313847e-02
C23	1.700412e-03	5.722631e-08	3.469801e-03	2.811966e-03
C23	5.059634e-05	1.185934e-08	2.185060e-04	6.451327e-04

C23	6.696966e-07	3.040916e-10	2.139389e-06	4.984608e-06
C23	2.125918e-07	1.108627e-10	6.331139e-07	1.365717e-06
C23	1.041470e-04	3.377987e-08	2.633992e-04	4.521310e-04
C23	3.493187e-06	1.821545e-09	1.040336e-05	2.244253e-05
C23	2.697959e-05	9.885228e-09	8.469095e-05	1.923990e-04
C24	1.596768e-06	4.058424e-10	7.862068e-06	2.269526e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.583347e-07	1.647777e-10	2.743430e-06	7.915308e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.264183e-06	6.188344e-10	1.113941e-05	3.215748e-05
C24	1.037005e-06	4.783479e-10	5.057953e-06	1.470665e-05
C24	5.167331e-07	1.479512e-10	2.540849e-06	7.334689e-06
C24	1.470791e-06	4.672025e-10	7.264213e-06	2.099543e-05
C24	1.851072e-07	5.291415e-11	9.098975e-07	2.625297e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.223988e-07	2.155816e-10	4.047977e-06	1.168617e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	8.914806e-04	2.162389e-07	4.543741e-03	1.350032e-02
C25	2.928806e-04	5.119697e-08	1.188457e-03	2.269219e-03
C26	2.832421e-03	1.945791e-07	1.373900e-02	4.511649e-02
C27	4.010995e-03	9.812678e-07	1.671490e-02	4.987159e-02
C27	1.578214e-04	6.590295e-08	6.541107e-04	1.935046e-03
C28_32	2.086226e-03	1.451925e-07	5.312498e-03	9.767352e-03
C29	1.293496e-05	7.656203e-10	7.141611e-05	2.467053e-04
C30	4.385508e-05	3.227678e-08	1.662983e-04	4.514422e-04
C31	2.944876e-04	1.264629e-08	1.503666e-03	4.997114e-03
E37-39	2.287435e-07	3.405081e-09	4.316331e-07	1.104518e-06
E37-39	3.028549e-06	4.508306e-08	5.714795e-06	1.462375e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	4.192731e-09	6.241310e-11	7.911576e-09	2.024516e-08
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.136092e-10	3.179792e-12	4.030752e-10	1.031441e-09
D35	6.313476e-10	9.398257e-12	1.191337e-09	3.048546e-09
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.335800e-08	1.988476e-10	2.520621e-08	6.450090e-08
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	4.095100e-08	6.750284e-11	7.074088e-08	9.625129e-08
F	2.956656e-04	5.187314e-08	7.354016e-04	4.666522e-04
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

G45	8.305824e-05	3.591210e-08	2.423569e-04	6.343319e-04
G47	6.042257e-05	5.287626e-07	1.617364e-04	4.249638e-04
G46	1.622993e-03	2.057588e-05	3.510422e-03	9.168409e-03
G47	5.297086e-05	6.217976e-07	1.210058e-04	3.127821e-04
I	4.158175e-04	1.400612e-09	1.452399e-03	3.946449e-03
H49	2.043952e-04	3.860561e-06	3.643951e-04	9.092927e-04
H49	1.316323e-03	2.362340e-05	2.457573e-03	6.183380e-03
H49	2.476693e-07	4.689781e-09	4.404820e-07	1.098668e-06
H50	6.185753e-05	1.171313e-06	1.100142e-04	2.744019e-04
H50	1.733504e-06	3.282504e-08	3.083052e-06	7.689877e-06
H51	2.841884e-04	2.039218e-06	8.071242e-04	2.143138e-03
H52	4.770175e-04	7.505747e-06	9.841695e-04	2.517362e-03
H53	3.125678e-04	2.806140e-07	1.116797e-03	3.005103e-03
K64	1.626224e-02	1.682545e-05	5.671565e-02	1.539745e-01
K65	5.125086e-04	1.161065e-06	1.775538e-03	4.702650e-03
K66	4.063570e-06	0.000000e+00	2.516597e-05	9.430151e-06
L68	7.456514e-05	6.999779e-08	2.642575e-04	7.146872e-04
M_N	2.087627e-03	1.801188e-06	7.533296e-03	1.999477e-02
J62_63	1.296562e-04	1.076323e-07	4.514314e-04	1.208775e-03
M_N	7.403660e-07	0.000000e+00	2.568902e-06	6.984094e-06
M_N	6.906118e-03	5.514916e-06	2.525054e-02	6.631380e-02
O84	5.956046e-07	0.000000e+00	2.062000e-06	5.605436e-06
P85	2.067979e-06	0.000000e+00	7.174473e-06	1.950525e-05
M_N	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	3.025392e-04	0.000000e+00	5.092537e-04	5.856685e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.871498e-07	0.000000e+00	6.853695e-07	1.932319e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	7.021131e-07	0.000000e+00	2.568629e-06	7.237248e-06
E37-39	5.579604e-06	0.000000e+00	2.045854e-05	5.772598e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.586914e-06	0.000000e+00	5.798721e-06	1.632577e-05
E37-39	1.505389e-06	0.000000e+00	5.519669e-06	1.557418e-05
E37-39	2.368798e-06	0.000000e+00	8.540867e-06	2.383841e-05
E37-39	1.934781e-06	0.000000e+00	7.030671e-06	1.972342e-05
E37-39	0.000000e+00	0.000000e+00	2.538992e-06	7.066164e-06
E37-39	1.790772e-07	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	4.192258e-06	1.169117e-05
E37-39	1.342557e-06	0.000000e+00	4.871878e-06	1.365501e-05
R_S	1.392545e-08	0.000000e+00	4.812888e-08	1.308156e-07
R_S	2.404261e-05	2.044417e-10	8.499333e-05	2.345904e-04
R_S	6.688312e-07	0.000000e+00	2.312731e-06	6.286392e-06
T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

IT	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	8.153156e-04
	A01	1.752127e-12	0.000000e+00	3.773536e-04	1.226633e-02
	A01	1.340491e-12	0.000000e+00	1.243129e-04	3.466562e-02
	A01	4.790354e-12	0.000000e+00	1.662144e-11	2.632993e-02
	A01	1.127646e-12	0.000000e+00	3.912676e-12	1.063742e-11
	A01	2.821496e-13	0.000000e+00	9.789947e-13	2.661601e-12
	A01	8.510801e-11	0.000000e+00	2.953054e-10	8.028493e-10
	A01	1.355073e-05	0.000000e+00	1.263845e-01	4.025726e+00
	A01	3.879594e-12	0.000000e+00	1.346131e-11	3.659737e-11
	A01	1.043544e-13	0.000000e+00	3.620862e-13	9.844067e-13
	A01	4.636395e-13	0.000000e+00	1.608723e-12	4.373650e-12
	A01	1.024005e-05	0.000000e+00	3.576012e-05	1.865194e-03
	A01	7.481200e-07	0.000000e+00	2.612571e-06	9.813047e-06
	A01	2.339301e-12	0.000000e+00	8.116843e-12	2.206733e-11
	A01	3.066085e-13	0.000000e+00	1.063862e-12	2.892330e-12
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0.000000e+00	0.000000e+00	9.282408e-06	2.782691e-05
	A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	2.236290e-08	7.624175e-12	9.884711e-08	1.988235e-05
	B_nongas	6.847496e-06	5.750503e-09	2.529831e-05	3.052785e-03
	B_gas	2.106529e-05	1.898146e-08	1.000011e-04	2.488017e-03
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	3.302654e-09	1.085344e-12	1.499316e-08	5.526809e-06
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	7.545216e-10	2.465770e-13	3.370249e-09	9.638600e-07
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	3.037207e-04	1.460360e-08	1.479679e-03	5.780263e-03
	B_nongas	6.596785e-05	3.873543e-08	2.810059e-04	3.045521e-03
	B_nongas	1.390275e-03	9.889933e-09	5.954638e-03	1.932514e-02
	C10-12	3.031197e-06	1.053435e-08	1.089585e-05	3.138192e-02
	C10-12	1.716976e-06	5.733273e-09	6.216233e-06	3.778968e-02
	C10-12	7.678689e-06	2.489199e-08	2.805400e-05	1.706795e-03
	C10-12	5.431609e-07	1.749095e-09	1.990969e-06	1.750363e-01
	C10-12	1.337098e-06	4.475277e-09	4.840518e-06	1.122304e-01
	C10-12	1.582982e-05	4.363105e-08	5.654194e-05	5.032155e-02
	C10-12	3.615577e-07	1.216062e-09	1.310040e-06	1.328486e-02
	C10-12	7.942469e-07	2.665354e-09	2.877168e-06	2.097222e-02
	C10-12	4.994995e-05	1.250081e-07	1.891834e-04	9.503946e-01
	C10-12	8.852347e-06	2.881286e-08	3.254754e-05	4.601420e-01
	C10-12	3.461445e-05	1.154775e-07	1.274331e-04	5.433846e-01
	C10-12	1.868998e-05	2.723777e-06	5.223804e-04	1.007061e-04
	C13-15	1.249937e-03	1.035934e-07	7.804551e-03	2.922498e-02

C13-15	7.341862e-05	1.842842e-09	5.664480e-04	2.299550e-03
C13-15	6.751401e-03	4.500587e-08	4.241268e-02	1.644752e-01
C16	6.611380e-04	2.531584e-07	3.239687e-03	1.053768e-02
C16	6.645723e-04	2.549271e-07	3.255466e-03	1.058759e-02
C17	5.240221e-07	1.917634e-10	2.755381e-06	9.165096e-06
C17	1.744860e-05	6.543099e-09	9.127658e-05	3.026548e-04
C17	3.186869e-03	1.136608e-08	1.239841e-02	3.608553e-02
C18	2.335539e-04	1.830171e-08	9.542646e-04	2.845806e-03
C19	9.228935e-06	1.128334e-10	2.318436e-04	1.933190e-04
C19	7.978476e-02	6.542536e-06	1.324039e+00	8.744027e-01
C24	3.483035e-08	8.504844e-12	1.447158e-07	4.307677e-07
C20-21	3.092246e-04	9.967124e-08	2.877559e-03	5.656528e-03
C20-21	7.451599e-05	2.878356e-08	5.488961e-04	2.554978e-03
C20-21	9.359588e-08	3.437383e-11	9.905904e-07	2.596668e-06
C20-21	6.461071e-07	2.220977e-10	6.592719e-06	1.776977e-05
C20-21	1.567720e-03	1.869078e-08	4.552505e-03	5.026544e-03
C22	6.635704e-03	2.227198e-06	3.643545e-02	1.230193e-01
C23	1.230126e-03	2.740697e-07	5.393038e-03	1.617638e-02
C23	6.960259e-04	1.480023e-07	3.048219e-03	9.237037e-03
C23	3.848237e-04	2.247484e-08	1.736552e-03	5.509464e-03
C23	4.562193e-05	4.327205e-09	2.019709e-04	8.084477e-04
C23	3.489974e-04	3.553692e-08	1.539163e-03	5.264940e-03
C23	9.388422e-05	9.579132e-09	4.142347e-04	1.378807e-03
C23	8.114503e-04	1.409928e-08	3.799423e-03	1.192009e-02
C24	1.050933e-03	9.554279e-08	1.631661e-02	1.169304e-02
C24	1.375207e-03	1.250239e-07	2.160857e-02	1.528262e-02
C24	1.776172e-04	1.580844e-08	2.696076e-03	1.983708e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.661064e-05	8.436914e-09	1.333730e-03	9.685403e-04
C24	3.535285e-04	3.454822e-08	5.512423e-03	3.938148e-03
C24	6.548237e-05	6.753945e-09	9.930024e-04	7.412467e-04
C24	5.638939e-05	5.829321e-09	8.534736e-04	6.354719e-04
C24	3.364199e-04	3.252226e-08	5.168235e-03	3.764563e-03
C24	1.001695e-04	9.670542e-09	1.526857e-03	1.123820e-03
C24	7.989026e-06	9.056360e-10	1.170767e-04	9.368237e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.138964e-04	3.070367e-08	4.863513e-03	3.504778e-03
C25_33	6.651593e-03	1.440801e-06	3.218010e-02	9.440684e-02
C25	7.479431e-03	1.038522e-06	2.782557e-02	5.992510e-02
C26	9.593417e-04	4.670369e-07	4.050282e-03	1.224805e-02
C27	2.988896e-02	7.313618e-06	1.244550e-01	3.709347e-01
C27	6.839627e-04	2.561505e-07	2.882279e-03	8.626602e-03
C28_32	1.047755e-03	7.097890e-08	5.658779e-03	1.940853e-02
C29	8.229774e-04	1.527952e-07	3.517909e-03	1.003255e-02
C30	5.824341e-04	1.099663e-07	2.594268e-03	7.997972e-03
C31	9.448525e-03	1.177839e-07	5.071397e-02	1.739448e-01
E37-39	1.121947e-05	9.267324e-09	4.124832e-05	1.170100e-04
E37-39	3.377962e-07	4.261446e-09	7.153073e-07	1.829891e-06

D35	3.953454e-05	9.630629e-09	1.644853e-04	4.903695e-04
D35	3.980315e-04	9.679472e-08	1.653305e-03	4.919325e-03
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.357512e-05	5.736894e-09	9.798809e-05	2.917841e-04
D35	4.618966e-06	1.241888e-09	1.918702e-05	5.715145e-05
D35	1.522705e-07	2.275009e-11	3.720521e-07	1.967872e-07
D35	5.251150e-06	1.290141e-09	2.182047e-05	6.496273e-05
D35	2.590466e-08	7.477955e-12	1.074727e-07	3.199043e-07
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.698055e-06	1.059599e-09	1.534448e-05	4.567788e-05
D35	3.358001e-08	2.686541e-10	7.149477e-08	1.018620e-07
D35	3.348085e-08	2.678450e-10	7.128656e-08	1.015729e-07
D35	4.093529e-04	9.954384e-08	1.700329e-03	5.059244e-03
D35	9.485163e-05	2.310595e-08	3.946346e-04	1.176499e-03
D35	2.601358e-04	6.325788e-08	1.080526e-03	3.215048e-03
E36	2.517716e-04	6.128235e-08	1.045720e-03	3.111315e-03
F	9.519023e-04	2.468687e-07	2.450585e-03	2.082136e-03
F	7.751726e-07	2.380901e-10	2.130466e-06	2.589523e-06
G45	1.734264e-04	2.847169e-07	8.053184e-04	2.590098e-03
G47	8.232933e-05	3.715480e-07	3.329320e-04	1.030093e-03
G46	1.879675e-03	1.891985e-05	5.755470e-03	8.881945e-02
G47	1.433369e-03	3.023964e-06	7.431141e-02	2.355222e+00
I	3.122417e-03	7.573152e-09	1.091744e-02	2.968550e-02
H49	4.865728e-03	9.030241e-05	8.879502e-03	2.233712e-02
H49	1.414416e-02	2.481559e-04	2.714002e-02	6.891395e-02
H49	1.366779e-04	1.366646e-06	3.932566e-04	1.103466e-03
H50	2.267860e-04	4.057410e-06	4.279657e-04	1.083797e-03
H50	2.185762e-05	3.991253e-07	4.061501e-05	1.026697e-04
H51	1.720185e-04	1.189415e-06	5.138269e-04	1.414004e-03
H52	4.965647e-03	7.896128e-05	1.022236e-02	2.621294e-02
H53	6.532265e-04	3.097538e-06	2.121524e-03	5.743000e-03
K64	1.279153e-03	1.335057e-06	4.453602e-03	1.210132e-02
K65	1.835061e-04	5.506173e-07	6.180701e-04	1.644580e-03
K66	1.424072e-05	9.041185e-09	5.918268e-05	1.170874e-04
L68	1.001530e-04	8.627870e-08	3.623149e-04	9.888330e-04
M_N	6.002449e-04	7.351277e-06	1.572941e-03	4.297601e-03
J62_63	2.170998e-04	7.616476e-08	9.660658e-04	3.019443e-03
M_N	1.743349e-05	3.418571e-09	6.546500e-05	1.676161e-04
M_N	5.211702e-03	4.144501e-06	1.907003e-02	5.059171e-02
O84	1.571514e-05	5.811103e-08	7.580879e-05	2.507655e-04
P85	4.601679e-05	1.064155e-08	1.890726e-04	5.596203e-04
M_N	2.602211e-05	4.940783e-09	1.184388e-04	3.732931e-04
E37-39	1.607983e-06	6.805105e-10	6.580969e-06	1.950418e-05
E37-39	1.602978e-06	6.826153e-10	6.518620e-06	1.927080e-05
E37-39	2.362806e-06	6.141302e-10	9.410381e-06	2.756956e-05
E37-39	1.039220e-04	1.077681e-09	1.812892e-04	2.280784e-04
E37-39	2.473291e-07	9.741969e-11	9.979140e-07	2.940756e-06

	E37-39	5.061102e-07	2.266573e-10	2.068871e-06	6.130835e-06
	E37-39	2.278097e-06	8.831098e-10	9.402283e-06	2.795520e-05
	E37-39	1.508080e-07	6.468171e-11	6.135953e-07	1.814694e-06
	E37-39	1.813562e-08	8.797769e-12	8.476209e-08	2.504818e-07
	E37-39	2.894430e-07	7.608148e-11	1.202991e-06	3.585143e-06
	E37-39	3.307086e-06	1.129601e-09	1.335631e-05	3.934348e-05
	E37-39	8.085979e-08	2.165969e-11	3.361158e-07	1.001786e-06
	E37-39	2.256549e-06	1.012058e-09	9.225129e-06	2.733776e-05
	E37-39	2.996737e-06	1.395595e-09	1.230228e-05	3.651970e-05
	E37-39	4.717626e-06	2.223380e-09	1.938308e-05	5.755612e-05
	E37-39	5.426897e-06	2.135783e-09	2.238531e-05	6.655287e-05
	E37-39	5.434605e-07	2.637238e-10	2.540262e-06	7.497757e-06
	E37-39	4.002840e-06	1.554090e-09	1.643741e-05	4.892595e-05
	E37-39	6.718184e-07	3.259531e-10	3.009510e-06	8.905745e-06
	E37-39	2.001608e-06	7.326027e-10	8.228509e-06	2.442735e-05
	R_S	2.474892e-09	0.000000e+00	8.562831e-09	2.327647e-08
	R_S	8.478702e-05	1.065982e-08	4.171069e-04	3.849129e-03
	R_S	3.656700e-06	2.341447e-10	1.443821e-05	4.213267e-05
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
LT	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	1.605660e-04	5.273667e-03
	A01	0.000000e+00	0.000000e+00	3.687317e-04	1.228299e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	3.221700e-05
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.984278e-06	7.598868e-08	7.043486e-03	2.247625e-01
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	8.906947e-07	1.554248e-08	1.764535e-06	1.627380e-05
	A01	6.537494e-07	1.135965e-08	1.285409e-06	3.146000e-05
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	1.078406e-05	1.783935e-07	3.498092e-05	4.541199e-04
	A03	5.610973e-06	9.623195e-08	1.060627e-05	3.666565e-05
	B_nongas	7.333665e-04	4.025073e-07	3.041646e-03	7.089399e-03
	B_nongas	6.944170e-06	1.191274e-07	1.297384e-05	3.135679e-05
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	4.207079e-07	6.515843e-09	8.674868e-07	2.193817e-06
B_nongas	7.941922e-07	8.216585e-09	1.612257e-06	3.104963e-06
B_nongas	1.931441e-07	1.762697e-09	3.906319e-07	6.953337e-07
C10-12	1.202254e-06	1.136498e-08	5.826346e-06	1.276934e-04
C10-12	4.039524e-06	1.090290e-08	1.192893e-05	1.612305e-04
C10-12	3.546979e-05	2.255176e-08	7.729243e-05	2.955227e-04
C10-12	8.294962e-07	4.207378e-08	1.310618e-05	2.966531e-04
C10-12	4.627359e-08	7.063807e-10	9.858286e-08	3.197100e-07
C10-12	5.244114e-05	1.361803e-07	1.724209e-04	3.603244e-03
C10-12	8.119382e-09	1.360954e-10	1.602106e-08	4.067385e-08
C10-12	9.914706e-07	6.012229e-09	3.843160e-06	1.186311e-03
C10-12	2.192322e-05	2.792465e-07	1.153521e-04	3.069229e-02
C10-12	1.578369e-05	1.118290e-06	2.420591e-04	7.787352e-03
C10-12	1.353366e-05	9.174510e-09	3.200091e-05	3.245841e-02
C10-12	1.906040e-05	7.415948e-08	5.949317e-05	8.996981e-04
C13-15	2.352804e-05	1.130064e-10	1.649839e-04	6.494080e-04
C13-15	7.927132e-06	3.746126e-08	4.382706e-05	1.650820e-04
C13-15	1.438641e-06	2.029273e-11	9.033774e-06	3.315630e-05
C16	1.795711e-04	1.034284e-07	8.534211e-04	2.750052e-03
C16	1.350287e-05	7.860073e-09	6.529526e-05	2.143315e-04
C17	9.385259e-07	2.728258e-10	4.402520e-06	1.392710e-05
C17	8.219662e-08	2.420539e-11	3.943983e-07	1.267939e-06
C17	2.224814e-05	3.799886e-10	8.738206e-05	2.555459e-04
C18	7.818654e-06	5.964064e-08	2.413330e-05	6.660752e-05
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	1.356964e-04	2.123488e-07	2.078791e-03	1.710665e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.217180e-06	2.196161e-08	2.797042e-06	1.248406e-05
C20-21	1.814277e-07	3.243440e-09	4.204488e-07	8.719449e-05
C20-21	1.898790e-03	3.628688e-09	3.331552e-03	2.062979e-03
C20-21	2.040148e-01	5.567698e-06	4.011105e-01	2.634350e-01
C20-21	3.065460e-05	1.737486e-09	8.121013e-05	6.390980e-05
C22	5.612178e-04	1.407667e-07	2.531495e-03	7.656876e-03
C23	3.746858e-05	1.853637e-08	1.629377e-04	4.851665e-04
C23	5.501831e-06	3.661196e-09	2.383156e-05	7.099321e-05
C23	3.208357e-07	2.315398e-09	1.197053e-06	3.665926e-06
C23	8.601947e-08	8.293309e-10	2.940233e-07	8.983376e-07
C23	3.580878e-06	3.366610e-08	1.237954e-05	3.789941e-05
C23	3.021032e-07	2.900145e-09	1.036857e-06	3.172286e-06
C23	4.075871e-06	1.073509e-08	1.785724e-05	5.526067e-05
C24	1.126224e-08	9.650438e-13	5.577710e-08	1.841914e-07
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.478764e-08	1.154667e-12	5.080551e-07	1.732607e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.086526e-06	3.696472e-11	5.795846e-06	1.947440e-05

C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.796782e-06	3.086679e-10	9.266616e-06	2.811583e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.470755e-06	1.055481e-10	7.739835e-06	2.536635e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.770308e-08	3.726819e-12	9.043747e-08	2.657324e-07
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.958872e-07	1.923554e-10	3.318905e-06	9.909638e-06
C25_33	8.952104e-05	2.565056e-07	4.098849e-04	1.247747e-03
C25	9.956919e-05	1.065951e-07	3.038965e-04	6.577145e-04
C26	5.727874e-08	4.020920e-10	1.977274e-07	5.915390e-07
C27	3.475048e-04	9.055511e-08	1.449714e-03	4.322091e-03
C27	1.458954e-05	3.798473e-09	6.066774e-05	1.808518e-04
C28_32	1.559532e-05	4.559775e-09	7.156665e-05	2.272732e-04
C29	2.312085e-06	4.565149e-09	1.013160e-05	2.920438e-05
C30	1.795637e-05	3.771512e-11	9.657388e-05	3.313257e-04
C31	5.995793e-04	7.611363e-08	3.205188e-03	1.099285e-02
E37-39	1.304188e-06	6.029572e-10	5.061809e-06	1.443560e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.167514e-11	0.000000e+00	1.093942e-10	2.950189e-10
D35	9.780666e-09	6.722090e-14	3.332131e-08	8.768950e-08
D35	3.936741e-08	2.430226e-14	1.340210e-07	3.587849e-07
D35	1.391640e-09	0.000000e+00	4.792629e-09	1.293600e-08
D35	3.275733e-10	0.000000e+00	1.104765e-09	2.921638e-09
D35	2.066149e-09	0.000000e+00	7.028622e-09	1.881922e-08
D35	9.059056e-11	2.775781e-15	2.973155e-10	7.054022e-10
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.540607e-09	2.321487e-15	5.242397e-09	1.399479e-08
D35	7.553486e-08	8.050432e-14	2.563364e-07	6.838182e-07
D35	1.526385e-08	1.180894e-14	5.164215e-08	1.375751e-07
D35	1.356070e-08	0.000000e+00	2.521025e-08	3.610037e-08
E36	1.043529e-08	8.450842e-14	5.959492e-08	1.653220e-07
F	9.387014e-06	5.284067e-08	9.099667e-05	1.973000e-03
F	3.814579e-09	1.834598e-11	3.376177e-08	6.796121e-07
G45	2.308973e-05	1.841128e-08	8.436153e-05	2.215598e-04
G47	2.108513e-06	5.382341e-09	7.253703e-06	1.905221e-05
G46	5.943699e-04	6.765416e-06	1.680079e-03	5.113661e-03
G47	4.951336e-04	4.746592e-06	1.638443e-03	5.006047e-03
I	2.655834e-05	3.679224e-09	9.343239e-05	3.487483e-04
H49	7.269779e-04	1.362609e-05	1.305431e-03	3.261746e-03
H49	3.322096e-03	5.931919e-05	6.229300e-03	1.568471e-02
H49	1.889143e-06	3.461281e-08	3.464375e-06	8.688835e-06
H50	7.185958e-06	1.360708e-07	1.278029e-05	3.187713e-05
H50	1.893723e-05	3.585888e-07	3.368002e-05	8.400611e-05

H51	1.050231e-05	9.849280e-08	2.759336e-05	7.293504e-05
H52	2.175685e-03	3.407184e-05	4.507065e-03	1.153012e-02
H53	6.887566e-05	3.360865e-08	2.911199e-04	8.757577e-04
K64	2.197703e-04	2.294594e-07	7.649813e-04	2.079607e-03
K65	3.531448e-06	1.060220e-08	1.189378e-05	3.164688e-05
K66	6.086328e-08	0.000000e+00	3.761348e-07	1.433052e-07
L68	5.143663e-05	4.022883e-08	1.971438e-04	7.273309e-04
M_N	5.217229e-05	5.606388e-09	2.538148e-04	8.303511e-04
J62_63	3.492496e-06	2.613198e-09	1.282100e-05	3.397631e-05
M_N	1.157135e-08	6.633647e-14	4.248263e-08	1.198762e-07
M_N	5.404608e-04	4.300290e-07	1.993560e-03	5.678939e-03
O84	1.007991e-05	1.039797e-08	3.508439e-05	9.537688e-05
P85	1.823091e-07	1.029149e-12	6.427700e-07	1.758843e-06
M_N	7.044829e-08	1.088812e-12	2.471304e-07	6.738119e-07
E37-39	1.047054e-12	0.000000e+00	3.828297e-12	1.005400e-11
E37-39	8.876309e-13	0.000000e+00	3.245407e-12	8.523194e-12
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.154657e-05	3.241721e-09	2.052012e-05	2.711371e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	5.567003e-09	2.948399e-11	1.826188e-08	5.046131e-08
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.127113e-07	3.318985e-10	3.912457e-07	1.040280e-06
E37-39	8.995362e-07	5.052429e-09	2.994331e-06	8.324576e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.984368e-07	1.662875e-09	6.179019e-07	1.762330e-06
E37-39	5.498577e-07	2.676667e-09	1.943424e-06	5.620225e-06
E37-39	9.287182e-07	6.742163e-09	3.106273e-06	9.052237e-06
E37-39	6.042998e-07	3.499464e-09	2.075322e-06	5.934623e-06
E37-39	3.452277e-08	2.985632e-10	1.575269e-07	4.276539e-07
E37-39	3.754977e-06	2.051107e-08	1.317993e-05	3.801677e-05
E37-39	1.001427e-07	7.216825e-10	3.494599e-07	9.868759e-07
E37-39	1.231082e-07	8.706021e-10	3.987292e-07	1.130700e-06
R_S	8.119186e-07	8.468545e-10	2.826124e-06	7.682835e-06
R_S	1.083379e-05	8.591096e-09	3.960047e-05	1.040360e-04
R_S	5.182001e-08	2.664760e-12	1.794305e-07	4.875810e-07
T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
LU A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	8.883641e-04
A01	0.000000e+00	0.000000e+00	0.000000e+00	5.173872e-04
A01	0.000000e+00	0.000000e+00	0.000000e+00	1.262322e-05
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	4.550846e-08	2.128489e-12	1.422925e-07	1.255826e-04
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	3.487356e-08	0.000000e+00	1.217849e-07	2.895524e-05
A01	3.636682e-08	0.000000e+00	1.269996e-07	3.247911e-05
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	2.523835e-06	3.026371e-09	1.143388e-05	3.627743e-05
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	2.117268e-07	2.555237e-10	7.561685e-07	1.921379e-06
C10-12	3.034551e-07	3.934552e-10	1.078735e-06	2.724663e-06
C10-12	3.934604e-07	4.317684e-10	1.413287e-06	3.617648e-06
C10-12	3.689605e-08	4.351563e-11	1.318695e-07	3.350363e-07
C10-12	1.791494e-07	2.142195e-10	6.400126e-07	5.540417e-04
C10-12	1.488976e-07	9.989688e-10	3.651851e-07	1.565018e-04
C10-12	1.319440e-10	1.006246e-13	4.771761e-10	1.212483e-09
C10-12	1.676712e-07	2.009595e-10	5.989619e-07	1.521879e-06
C10-12	6.940452e-06	7.290601e-09	2.498156e-05	8.429627e-05
C10-12	1.193468e-06	1.340908e-09	4.238490e-06	1.052554e-05
C10-12	7.268055e-07	8.103830e-10	2.582632e-06	1.872578e-04
C10-12	1.798553e-05	8.853111e-07	1.565844e-04	8.910070e-05
C13-15	5.901209e-05	9.057342e-08	3.845518e-04	1.501593e-03
C13-15	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C16	2.506691e-05	7.707639e-09	1.173815e-04	3.708781e-04
C16	3.644541e-06	1.121069e-09	1.706631e-05	5.392256e-05
C17	1.550887e-07	0.000000e+00	7.357517e-07	2.368932e-06
C17	5.352659e-08	0.000000e+00	2.539340e-07	8.176023e-07
C17	1.920656e-05	0.000000e+00	7.600966e-05	2.234748e-04
C18	1.061703e-06	0.000000e+00	5.035342e-06	1.621055e-05
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	2.266581e-07	1.137640e-11	6.343887e-07	1.636035e-07
C20-21	1.590664e-07	1.857687e-09	3.584703e-07	8.869125e-07
C20-21	8.640604e-08	9.714140e-11	3.115489e-07	8.204153e-07
C20-21	5.124136e-08	1.308681e-10	1.374023e-07	9.053940e-08
C20-21	3.357374e-07	4.072255e-09	7.495203e-07	1.935132e-06
C22	5.748111e-04	3.511690e-07	3.166785e-03	1.069124e-02
C23	1.714126e-08	3.087199e-12	8.075497e-08	2.596818e-07
C23	8.149220e-08	6.788029e-10	2.275992e-07	5.855870e-07
C23	6.762944e-06	4.712831e-08	2.314775e-05	6.714635e-05
C23	1.492703e-06	2.096861e-08	3.247269e-06	8.197545e-06
C23	3.561089e-07	5.142717e-09	7.500974e-07	1.868374e-06
C23	1.366875e-06	1.972694e-08	2.881949e-06	7.182131e-06
C23	5.484583e-05	8.267394e-08	2.449720e-04	7.531777e-04
C24	2.127904e-07	1.095165e-10	9.338958e-07	2.607928e-06
C24	2.522010e-08	1.814017e-11	7.564264e-07	2.563123e-06
C24	4.623208e-06	2.466059e-09	2.006342e-05	5.583939e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.334940e-06	3.308044e-09	2.757352e-05	7.682359e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.250600e-06	2.246502e-09	1.848735e-05	5.148896e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.713607e-12	4.485444e-15	3.807880e-11	1.062228e-10
C24	6.304921e-06	3.361016e-09	2.737929e-05	7.621388e-05
C24	2.443756e-06	1.595563e-09	9.855195e-06	2.679851e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	2.685487e-04	5.436209e-08	1.342129e-03	3.905304e-03
C25	2.872313e-05	5.599426e-08	9.809350e-05	1.726457e-04
C26	4.418713e-07	2.894134e-10	1.546986e-06	3.534747e-06
C27	5.012383e-07	1.477622e-09	1.326130e-06	1.978802e-06
C27	2.680778e-09	0.000000e+00	9.301688e-09	2.528858e-08
C28_32	3.810107e-05	5.941608e-08	2.061423e-04	7.262554e-04
C29	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C30	8.657647e-06	1.912835e-09	4.422977e-05	1.287274e-04
C31	2.962449e-08	4.894644e-10	5.612528e-08	1.423123e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.905567e-05	1.701369e-08	1.165914e-03	4.003375e-03
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.192709e-07	4.449088e-10	3.806725e-05	1.308874e-04
D35	1.170008e-07	2.059590e-10	2.755598e-05	9.489924e-05
D35	3.917417e-10	2.171263e-12	5.957973e-06	2.059231e-05
D35	1.668726e-07	3.385908e-10	3.556646e-05	1.224139e-04
D35	2.843939e-08	5.770458e-11	2.018921e-05	6.969434e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	7.739705e-07	1.570415e-09	2.648837e-06	6.764620e-06
D35	1.472229e-06	1.019641e-08	3.716960e-06	7.832611e-06
D35	1.343224e-06	2.726797e-09	4.596175e-06	1.180481e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	7.679106e-07	9.603895e-10	2.781119e-06	7.327002e-06
F	2.424971e-04	7.400893e-08	5.935467e-04	3.333614e-04
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.556850e-05	2.188322e-08	3.766727e-05	9.776477e-05
G47	9.899271e-05	8.819103e-07	2.632353e-04	6.915064e-04
G46	8.550266e-04	1.135896e-05	1.788141e-03	4.603793e-03
G47	1.385321e-04	1.153885e-06	3.754396e-04	9.765995e-04
I	6.328600e-05	1.118412e-08	2.202226e-04	5.993446e-04
H49	3.981221e-04	6.942767e-06	7.473923e-04	1.801506e-03
H49	8.506404e-04	1.401424e-05	1.669469e-03	4.049413e-03
H49	2.155809e-05	2.497014e-07	4.820303e-05	1.011998e-04
H50	1.309905e-05	2.106025e-07	2.662610e-05	6.794689e-05
H50	3.030955e-06	4.784182e-08	6.239997e-06	1.595568e-05
H51	4.183053e-04	6.366992e-06	8.854998e-04	2.270188e-03
H52	5.324735e-04	8.210596e-06	1.115743e-03	2.856662e-03
H53	5.763424e-05	1.130147e-07	1.986739e-04	5.306355e-04
K64	3.590675e-02	3.749078e-05	1.249851e-01	3.397726e-01
K65	8.545983e-04	2.566357e-06	2.878238e-03	7.658349e-03
K66	4.798342e-06	0.000000e+00	2.971646e-05	1.113530e-05
L68	1.472961e-05	2.792796e-08	5.038776e-05	2.225351e-03
M_N	2.436618e-04	2.538532e-07	8.816836e-04	2.323766e-03
J62_63	1.375143e-05	7.462724e-08	4.132127e-05	1.095998e-04
M_N	3.986169e-07	2.197156e-11	1.206458e-06	2.019916e-06
M_N	5.131559e-04	4.928655e-07	1.889253e-03	4.916282e-03
O84	2.762787e-06	1.467210e-09	8.528700e-06	1.759266e-05
P85	1.984934e-06	1.161550e-10	6.893031e-06	1.867763e-05
M_N	1.038078e-06	1.117465e-09	3.621410e-06	9.748677e-06
E37-39	8.030513e-07	8.941095e-09	2.241803e-06	6.154122e-06
E37-39	6.355595e-07	7.143551e-09	1.728952e-06	4.693003e-06
E37-39	2.352187e-07	1.683807e-09	7.079632e-07	1.939895e-06
E37-39	1.990268e-05	7.443158e-09	3.432741e-05	4.273771e-05
E37-39	1.349221e-07	1.358948e-09	3.807558e-07	1.039236e-06
E37-39	1.745826e-07	2.121381e-09	4.649674e-07	1.256519e-06
E37-39	1.895912e-07	1.979371e-09	5.709792e-07	1.606098e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	9.936017e-07	1.007789e-08	2.743773e-06	7.448741e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.481081e-07	2.579959e-09	7.069179e-07	1.956207e-06
E37-39	5.022469e-07	5.580320e-09	1.386146e-06	3.799367e-06
E37-39	2.624298e-07	2.322840e-09	8.326059e-07	2.380712e-06

	E37-39	1.919392e-07	1.921752e-09	5.674260e-07	1.590438e-06
	E37-39	7.303899e-08	6.475479e-10	3.198268e-07	9.108289e-07
	E37-39	1.080349e-07	7.795707e-10	3.710239e-07	1.085484e-06
	E37-39	3.733115e-08	3.377169e-10	1.436192e-07	4.093990e-07
	E37-39	6.181412e-08	4.345259e-10	2.020250e-07	5.751543e-07
	R_S	2.140334e-07	1.099599e-10	8.170610e-07	2.269182e-06
	R_S	7.206066e-05	2.782209e-08	2.518923e-04	6.942629e-04
	R_S	2.635850e-06	3.466079e-09	8.762333e-06	2.373210e-05
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
LV	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.914856e-10	5.538659e-14	2.063676e-05	6.834119e-04
	A01	3.766872e-10	5.329294e-14	2.984895e-05	1.328036e-03
	A01	8.237350e-10	1.165404e-13	3.834814e-09	4.694900e-06
	A01	4.161065e-10	5.889154e-14	1.937324e-09	6.021721e-09
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.384847e-06	3.809991e-10	1.385065e-03	4.493877e-02
	A01	2.750383e-10	3.892616e-14	1.280533e-09	3.980241e-09
	A01	3.173434e-10	4.489710e-14	1.477360e-09	4.591872e-09
	A01	2.036120e-10	2.880210e-14	9.478566e-10	2.946048e-09
	A01	1.282589e-07	3.565340e-11	5.775630e-07	4.125576e-06
	A01	1.869466e-07	5.196741e-11	8.418401e-07	3.991549e-05
	A01	7.693302e-10	1.088433e-13	3.581538e-09	1.113200e-08
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	2.727346e-06	1.322279e-08	1.069363e-05	3.254164e-05
	A03	2.136236e-08	1.530701e-10	6.648304e-08	9.381580e-05
	B_nongas	1.599111e-03	1.216310e-05	1.734426e-02	5.951823e-03
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	3.961034e-11	6.097018e-13	7.260739e-11	1.850494e-10
	B_nongas	1.187709e-10	1.828180e-12	2.177119e-10	5.548674e-10
	B_nongas	8.866488e-05	6.716847e-13	3.797912e-04	1.165140e-03
	C10-12	1.435399e-05	5.570191e-10	2.990099e-05	1.454177e-04
	C10-12	2.498178e-05	9.845788e-10	5.205042e-05	3.617422e-04
	C10-12	1.012775e-05	4.426560e-10	2.704155e-05	3.594748e-04
	C10-12	1.183926e-04	3.245151e-09	2.465592e-04	1.864621e-03

C10-12	1.803176e-05	5.187811e-10	3.588624e-05	2.515372e-05
C10-12	2.643210e-04	1.077651e-08	5.520393e-04	1.874772e-03
C10-12	1.717344e-06	5.009443e-11	3.434766e-06	2.468850e-06
C10-12	6.429329e-06	4.544252e-10	2.086722e-05	3.072033e-04
C10-12	1.051768e-05	9.436496e-09	8.694221e-05	5.069562e-03
C10-12	7.941492e-05	4.092269e-09	1.703020e-04	2.610786e-03
C10-12	1.860491e-04	1.697618e-08	4.033349e-04	3.750609e-02
C10-12	2.072210e-04	5.843424e-09	4.076994e-04	2.687840e-04
C13-15	2.680526e-04	7.339486e-09	6.214711e-04	1.601006e-03
C13-15	2.148399e-05	8.869217e-09	5.378260e-05	8.938030e-05
C13-15	4.907025e-07	3.303768e-11	1.343214e-06	2.494722e-06
C16	3.770380e-04	3.459641e-07	1.357170e-03	2.459881e-03
C16	1.719637e-07	8.952625e-11	8.483402e-07	2.789106e-06
C17	1.512791e-09	2.251750e-11	2.854669e-09	7.304222e-09
C17	4.747288e-11	6.112236e-13	9.301663e-11	2.050794e-10
C17	1.098084e-06	1.304940e-10	4.242061e-06	1.232160e-05
C18	6.060171e-07	2.617022e-10	2.685178e-06	8.327065e-06
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	8.360730e-09	1.165591e-10	1.743170e-08	4.604467e-08
C24	1.563369e-09	2.327235e-11	2.950037e-09	7.548936e-09
C20-21	9.222429e-09	1.285828e-10	1.935925e-08	5.090699e-08
C20-21	1.119126e-08	1.561582e-10	2.337730e-08	6.150483e-08
C20-21	5.000552e-09	7.439296e-11	9.438535e-09	2.413532e-08
C20-21	1.004795e-03	3.855734e-08	1.975463e-03	1.299814e-03
C20-21	3.923094e-09	2.948854e-11	1.172426e-08	3.354904e-08
C22	1.987467e-05	7.446293e-09	1.105983e-04	3.757183e-04
C23	3.064659e-06	3.058035e-10	1.330104e-05	4.042127e-05
C23	1.301366e-08	2.008183e-12	6.844450e-08	2.337869e-07
C23	1.967788e-06	1.687695e-11	8.503619e-06	2.618543e-05
C23	2.416914e-07	5.783185e-11	1.174808e-06	3.928472e-06
C23	4.987188e-06	1.171240e-09	2.442790e-05	8.203552e-05
C23	2.021392e-07	4.832067e-11	9.827506e-07	3.286312e-06
C23	1.354064e-05	2.799198e-10	6.447516e-05	2.018741e-04
C24	9.319491e-07	5.029366e-09	4.001955e-06	1.326430e-05
C24	2.680924e-09	1.486303e-11	1.139796e-08	3.770979e-08
C24	4.025662e-12	5.992611e-14	7.596321e-12	1.943845e-11
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.237500e-08	2.943520e-10	2.219366e-07	7.338391e-07
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.040154e-08	5.862550e-11	4.404505e-08	1.456179e-07
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.287461e-07	7.235640e-10	5.455555e-07	1.803893e-06
C24	1.732386e-10	7.693161e-13	7.642262e-10	2.546233e-09
C24	4.149843e-09	2.300671e-11	1.764308e-08	5.837155e-08
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	7.806345e-05	1.984724e-08	3.865088e-04	1.110487e-03
C25	9.337865e-05	3.315093e-09	1.893426e-04	1.389138e-04

C26	4.397034e-05	9.546263e-10	1.681543e-04	4.714815e-04
C27	5.591122e-05	8.473632e-09	1.724457e-04	3.889144e-04
C27	2.134720e-05	1.203445e-09	4.208369e-05	2.824276e-05
C28_32	6.302536e-06	3.533202e-10	1.260353e-05	9.271156e-06
C29	6.271328e-06	1.934122e-10	1.292068e-05	1.085363e-05
C30	2.056025e-06	9.142231e-11	4.889521e-06	6.765690e-06
C31	1.953597e-04	1.735425e-09	1.047831e-03	3.595849e-03
E37-39	1.609780e-06	2.430160e-09	3.857544e-06	6.115813e-06
E37-39	1.388796e-06	1.236381e-10	4.127215e-06	3.996838e-05
D35	6.611140e-08	2.334808e-11	3.091091e-07	9.766088e-07
D35	1.026828e-06	1.549440e-08	2.259267e-06	5.928761e-06
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	7.959654e-07	1.201085e-08	1.751301e-06	4.595729e-06
D35	1.469434e-08	2.235799e-10	3.222706e-08	8.456627e-08
D35	7.014429e-09	1.071931e-10	1.528969e-08	3.999249e-08
D35	3.094305e-08	4.769325e-10	6.633051e-08	1.724454e-07
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	4.496628e-07	6.918348e-09	9.610824e-07	2.493825e-06
D35	5.446964e-06	2.217918e-08	9.933522e-06	1.620606e-05
D35	5.157168e-07	7.782082e-09	1.134686e-06	2.977629e-06
D35	7.165290e-08	1.090023e-09	1.571689e-07	4.124359e-07
E36	1.187291e-06	7.637875e-15	2.021615e-06	2.391483e-06
F	2.327468e-05	5.640635e-08	9.984667e-05	5.883746e-04
F	1.184360e-08	2.582939e-11	5.092107e-08	1.554942e-07
G45	3.756126e-06	4.665399e-08	8.454773e-06	2.274946e-05
G47	2.020180e-06	2.633541e-08	4.808125e-06	1.285560e-05
G46	4.316529e-05	6.102673e-07	9.516840e-05	7.980368e-04
G47	9.106638e-05	1.949371e-07	1.843997e-04	9.076591e-04
I	1.436279e-05	6.422790e-10	5.041065e-05	8.921307e-04
H49	1.235467e-03	2.332900e-05	2.203185e-03	5.500082e-03
H49	1.048998e-03	1.881913e-05	1.959150e-03	4.932728e-03
H49	6.264743e-07	1.042842e-08	1.253516e-06	3.671760e-06
H50	9.664733e-05	1.829290e-06	1.719650e-04	4.292227e-04
H50	6.065947e-07	1.147817e-08	1.079546e-06	2.692961e-06
H51	1.455302e-05	1.153818e-07	4.012784e-05	1.074355e-04
H52	7.579400e-04	1.193809e-05	1.562775e-03	3.997122e-03
H53	2.711166e-07	7.607844e-11	1.203697e-06	3.750711e-06
K64	1.485567e-06	1.551104e-09	5.170997e-06	1.405739e-05
K65	8.418368e-05	2.528101e-07	2.835252e-04	7.543968e-04
K66	5.913497e-08	0.000000e+00	3.662269e-07	1.372320e-07
L68	1.568729e-05	5.428128e-09	3.486545e-05	4.197076e-05
M_N	2.648932e-05	2.158262e-08	9.673351e-05	2.554691e-04
J62_63	3.418999e-07	6.660780e-10	1.112591e-06	3.010876e-06
M_N	4.505695e-07	3.108498e-13	1.565237e-06	4.258517e-06

	M_N	1.934492e-04	1.483389e-07	6.887647e-04	1.767051e-03
	O84	8.329851e-10	0.000000e+00	2.883818e-09	7.839504e-09
	P85	5.168866e-09	2.220491e-13	1.847720e-08	5.129280e-08
	M_N	3.451134e-09	5.083359e-12	1.690460e-08	5.494779e-08
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	4.469561e-15	0.000000e+00	1.080705e-14	4.905207e-15
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.070158e-05	1.207246e-14	1.807891e-05	2.099799e-05
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.855927e-08	8.354260e-15	7.834087e-08	2.386228e-07
	E37-39	3.422292e-08	1.622442e-14	1.457361e-07	4.458074e-07
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	3.939442e-07	1.760199e-13	1.644913e-06	4.983863e-06
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	3.427912e-07	1.822001e-13	1.463639e-06	4.483101e-06
	E37-39	5.606096e-07	3.025008e-13	2.398648e-06	7.354325e-06
	E37-39	1.048724e-06	5.658309e-13	4.489552e-06	1.376871e-05
	E37-39	6.930898e-07	3.736273e-13	2.966331e-06	9.096121e-06
	E37-39	5.744384e-08	2.838579e-14	2.805944e-07	8.507420e-07
	E37-39	1.354337e-07	7.263924e-14	5.767444e-07	1.768977e-06
	E37-39	1.429809e-07	7.744697e-14	6.340257e-07	1.938586e-06
	E37-39	1.780547e-07	9.311236e-14	7.583730e-07	2.320100e-06
	R_S	1.611699e-06	1.277200e-09	5.905605e-06	1.554304e-05
	R_S	3.671677e-07	1.229065e-11	1.744702e-06	5.692955e-06
	R_S	1.789602e-07	3.381268e-10	7.593264e-07	2.374784e-06
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
MT	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.463424e-09	1.263622e-13	2.841682e-09	2.627333e-09
	A01	5.934299e-07	1.398702e-11	1.065655e-06	6.666805e-07
	A01	1.032524e-08	1.107167e-12	2.061292e-08	5.784940e-06
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	7.892611e-10	6.815018e-14	1.532590e-09	1.178036e-06
	A01	7.101789e-10	1.969251e-14	1.280950e-09	8.251495e-10
	A01	3.888497e-09	4.155137e-13	7.742688e-09	7.855366e-09
	A01	2.676765e-09	2.861582e-13	5.330211e-09	5.408843e-09
	A01	1.783143e-09	1.905415e-13	3.550553e-09	3.470867e-06
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.576673e-09	3.821928e-13	7.121790e-09	7.225429e-09
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	3.779562e-07	7.208374e-11	9.869073e-07	8.858823e-07
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	4.110137e-08	3.094161e-10	1.154297e-07	3.007808e-07
C10-12	2.914458e-08	7.216648e-11	1.003615e-07	2.632003e-07
C10-12	1.254750e-07	1.169982e-09	3.240346e-07	8.417915e-07
C10-12	1.324119e-08	1.016742e-10	3.693060e-08	9.622090e-08
C10-12	1.697594e-09	1.188044e-12	6.011102e-09	1.521714e-08
C10-12	4.516358e-07	5.393275e-09	1.017924e-06	2.629487e-06
C10-12	7.873973e-13	0.000000e+00	2.724301e-12	7.405509e-12
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	5.419433e-07	6.392730e-09	1.230312e-06	3.175567e-06
C10-12	2.238617e-07	2.471870e-09	5.297044e-07	1.371259e-06
C10-12	5.703052e-07	6.917282e-09	1.270533e-06	3.031466e-04
C10-12	1.424968e-10	0.000000e+00	4.930221e-10	1.340189e-09
C13-15	4.440072e-06	1.434521e-10	2.053404e-05	6.864654e-05
C13-15	7.470572e-08	4.084903e-11	5.143658e-07	1.976596e-06
C13-15	9.153689e-09	9.808794e-11	3.265184e-08	1.144404e-07
C16	1.447965e-06	2.545654e-11	7.784620e-06	2.674302e-05
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.554940e-10	2.306702e-12	2.942572e-10	7.532791e-10
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	3.673655e-07	9.699632e-10	1.294894e-06	3.719039e-06
C18	7.228938e-08	3.766182e-10	2.148479e-07	5.849882e-07
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	3.847987e-07	6.763150e-10	2.006726e-06	6.727096e-06
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	5.259379e-04	1.424489e-08	1.034039e-03	6.789216e-04
C20-21	1.993249e-06	1.208652e-08	8.219120e-06	2.657419e-05
C22	5.131589e-06	1.349630e-08	2.420683e-05	7.855418e-05
C23	1.020505e-07	7.174821e-10	2.548165e-07	4.668959e-07
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	8.116681e-07	6.455565e-09	1.762918e-06	2.640475e-06

C23	1.225216e-08	8.787054e-11	3.029666e-08	5.441487e-08
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.336569e-06	8.782809e-09	2.933073e-06	3.695310e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	1.611642e-06	3.700553e-09	5.863676e-06	1.402282e-05
C25	1.600994e-07	4.409268e-12	4.527943e-07	1.470814e-07
C26	2.416416e-06	0.000000e+00	1.203216e-05	4.006604e-05
C27	2.255663e-04	5.494239e-08	9.383136e-04	2.796492e-03
C27	5.848219e-06	1.086188e-09	2.481545e-05	7.507085e-05
C28_32	2.658635e-06	2.233274e-09	1.356204e-05	4.609319e-05
C29	4.716675e-08	1.727003e-10	1.519563e-07	4.084285e-07
C30	2.681346e-07	3.402752e-10	6.800710e-07	5.851713e-07
C31	1.145202e-04	1.048947e-08	6.116669e-04	2.097406e-03
E37-39	4.043451e-07	4.200463e-09	9.966602e-07	2.266712e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.858343e-09	2.017641e-13	4.701298e-09	2.247567e-09
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	7.322004e-09	7.949648e-13	1.852345e-08	8.855575e-09
D35	3.242123e-08	3.520039e-12	8.202032e-08	3.921175e-08
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	1.098769e-07	1.500587e-11	2.664352e-07	1.266563e-07
F	3.508875e-04	8.683961e-08	7.997608e-04	4.198713e-04
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.299966e-05	2.193025e-08	3.084385e-05	8.001637e-05

G47	7.823201e-06	6.903323e-08	2.086639e-05	5.480593e-05
G46	2.524932e-04	3.732624e-06	4.833506e-04	1.236354e-03
G47	1.844352e-05	1.697412e-07	4.775820e-05	1.227343e-04
I	1.064781e-04	3.997985e-08	3.565375e-04	8.903440e-04
H49	6.876776e-05	1.285366e-06	1.237953e-04	3.088334e-04
H49	2.115138e-04	3.776677e-06	3.966011e-04	9.976477e-04
H49	2.316080e-07	2.726353e-09	5.589575e-07	1.384929e-06
H50	1.265690e-05	2.282629e-07	2.365385e-05	5.934674e-05
H50	1.385410e-06	2.527497e-08	2.560090e-06	6.414765e-06
H51	1.923934e-05	1.955548e-07	4.921483e-05	1.296566e-04
H52	1.904926e-04	2.233252e-06	4.740829e-04	1.227388e-03
H53	1.093286e-04	9.736289e-08	3.894648e-04	1.042525e-03
K64	2.535277e-02	2.647085e-05	8.824885e-02	2.399039e-01
K65	5.508951e-05	1.653870e-07	1.855338e-04	4.936364e-04
K66	2.671214e-05	2.361064e-08	9.829596e-05	2.462724e-04
L68	1.097393e-04	3.329976e-08	2.904243e-04	3.089800e-04
M_N	3.390176e-04	4.988042e-07	1.210933e-03	3.189458e-03
J62_63	5.612932e-06	2.252610e-09	1.935166e-05	4.876027e-05
M_N	8.196453e-09	8.691032e-13	2.706767e-08	6.615942e-08
M_N	3.449490e-03	3.368059e-06	1.217038e-02	3.275636e-02
O84	2.859998e-05	9.955987e-09	7.727428e-05	1.017175e-04
P85	1.268995e-05	5.384660e-08	3.911412e-05	1.040709e-04
M_N	4.672865e-06	2.125672e-09	1.356688e-05	2.878918e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.477623e-05	6.789685e-12	4.170533e-05	4.796378e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.530681e-09	2.199047e-13	5.579443e-09	1.572350e-08
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.214982e-07	2.061020e-12	4.452478e-07	1.256247e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.172904e-07	2.067139e-11	4.246743e-07	1.188102e-06
E37-39	9.795034e-08	3.459064e-11	3.525411e-07	9.820677e-07
E37-39	2.000581e-07	9.629511e-11	7.036593e-07	1.929515e-06
E37-39	1.579976e-07	6.570235e-11	5.618564e-07	1.552438e-06
E37-39	8.015423e-10	6.531627e-12	4.739528e-07	1.316714e-06
E37-39	1.923749e-08	2.112910e-11	5.473008e-09	7.712694e-09
E37-39	2.890033e-09	3.280952e-11	3.486449e-07	9.670285e-07
E37-39	1.127072e-07	4.142031e-11	4.030219e-07	1.122938e-06
R_S	1.861638e-06	1.738701e-09	5.459983e-06	9.278336e-06
R_S	4.558760e-05	3.641336e-09	1.609782e-04	4.407713e-04
R_S	1.383113e-05	1.087834e-09	4.773828e-05	1.297270e-04
T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

NL	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.180116e-09	0.000000e+00	6.426582e-04	2.051426e-02
	A01	5.435289e-10	0.000000e+00	1.681377e-04	8.027906e-03
	A01	4.861775e-09	0.000000e+00	1.682116e-08	1.354053e-03
	A01	3.085225e-11	0.000000e+00	1.067451e-10	2.901669e-10
	A01	4.576001e-10	0.000000e+00	1.583242e-09	4.303751e-09
	A01	2.024797e-11	0.000000e+00	7.005558e-11	1.904331e-10
	A01	2.306674e-05	1.223901e-08	3.589516e-01	1.143129e+01
	A01	1.697512e-08	0.000000e+00	5.873189e-08	1.596518e-07
	A01	1.575164e-08	0.000000e+00	5.449882e-08	1.481450e-07
	A01	7.636296e-09	0.000000e+00	2.642068e-08	7.181972e-08
	A01	1.883125e-06	4.296071e-09	5.622676e-06	5.817457e-05
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.184073e-08	0.000000e+00	7.556634e-08	2.054131e-07
	A01	5.155286e-11	0.000000e+00	1.783668e-10	4.848571e-10
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	2.656056e-07	4.107808e-09	2.556894e-06	7.423960e-06
	A03	9.673641e-08	1.831768e-09	1.720466e-07	2.219440e-03
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.017397e-07	8.015671e-11	3.648739e-07	1.143410e-06
	B_gas	3.582608e-06	7.000035e-09	3.609308e-05	3.933711e-05
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.103277e-09	1.149537e-12	3.999733e-09	1.050361e-08
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	8.258301e-07	2.943760e-10	2.444203e-06	5.240702e-06
	B_nongas	2.081974e-05	4.138132e-10	8.767041e-05	2.658110e-04
	C10-12	5.015572e-06	1.842281e-10	1.002340e-05	7.119439e-02
	C10-12	3.370961e-05	2.326086e-08	9.700119e-05	1.373112e-02
	C10-12	6.384156e-06	6.276052e-10	1.361615e-05	4.187407e-03
	C10-12	1.237796e-07	8.332294e-10	3.629955e-07	3.426653e-03
	C10-12	4.629718e-06	5.549572e-10	1.020118e-05	9.699302e-02
	C10-12	1.192096e-04	9.343672e-09	2.472216e-04	4.936544e-02
	C10-12	9.656815e-10	1.501907e-12	4.700582e-09	2.596974e-03
	C10-12	2.999567e-06	1.743183e-09	6.488446e-06	2.699390e-02
	C10-12	8.454213e-05	6.927082e-09	1.759235e-04	8.564994e-01
	C10-12	1.465145e-05	1.512037e-09	3.117550e-05	6.224584e-02
	C10-12	6.937912e-05	5.382082e-09	1.434111e-04	8.852351e-02
	C10-12	1.255766e-04	1.713534e-05	3.314567e-03	7.107381e-04
	C13-15	2.816704e-04	5.501012e-09	1.926239e-03	7.513701e-03
	C13-15	5.814428e-06	1.112592e-09	3.698296e-05	1.389268e-04

C13-15	1.184860e-04	7.745335e-10	7.463292e-04	2.776982e-03
C16	3.204877e-05	9.502891e-09	1.485495e-04	4.654522e-04
C16	1.979426e-04	5.172314e-08	9.168399e-04	2.868759e-03
C17	3.843724e-07	3.643998e-10	1.750133e-06	5.467721e-06
C17	8.847286e-06	4.390858e-09	4.129938e-05	1.297800e-04
C17	8.703720e-04	1.010221e-08	3.391146e-03	9.874269e-03
C18	8.232653e-05	2.115653e-08	3.552607e-04	1.079291e-03
C19	7.541850e-06	6.997995e-10	1.994589e-05	1.556160e-05
C19	4.559837e-03	4.510800e-07	5.769289e-02	3.822504e-02
C24	1.766586e-05	1.799988e-09	3.614209e-05	2.889034e-05
C20-21	2.899537e-04	8.879212e-08	3.392012e-03	3.654854e-03
C20-21	2.981877e-04	9.187019e-08	3.475146e-03	4.308163e-03
C20-21	1.019610e-04	9.577083e-10	1.919674e-04	1.282602e-04
C20-21	5.973495e-02	1.617597e-06	1.174731e-01	7.714872e-02
C20-21	1.268033e-04	9.956702e-07	1.709743e-03	1.171046e-03
C22	3.105057e-03	1.035218e-06	1.676505e-02	5.586985e-02
C23	8.654338e-05	2.028760e-08	3.784720e-04	1.126134e-03
C23	1.197410e-04	2.777668e-08	5.224962e-04	1.552415e-03
C23	3.900194e-06	1.257930e-09	1.654637e-05	4.847751e-05
C23	3.431986e-06	3.192680e-09	1.190787e-05	3.052771e-05
C23	2.287362e-05	7.511830e-09	8.065219e-05	2.056904e-04
C23	4.518896e-06	2.084263e-09	1.922272e-05	5.700461e-05
C23	1.040732e-04	1.542246e-09	4.876519e-04	1.504770e-03
C24	5.978153e-06	2.769586e-09	2.965757e-05	4.994173e-05
C24	5.173721e-07	3.167516e-10	3.071457e-06	5.525832e-06
C24	2.073580e-06	8.757697e-10	1.016785e-05	1.926734e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.564964e-06	3.496164e-09	3.750858e-05	6.489709e-05
C24	5.001580e-06	5.726430e-10	1.424764e-05	2.008605e-05
C24	1.152034e-05	3.754936e-09	5.396569e-05	1.068403e-04
C24	3.353594e-07	1.681862e-10	1.944706e-06	4.036961e-06
C24	1.778990e-05	6.797525e-09	8.356082e-05	1.494001e-04
C24	2.255592e-08	9.051943e-13	4.693130e-08	3.738774e-08
C24	1.174623e-05	5.505392e-09	5.831506e-05	9.936714e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.091726e-05	5.053163e-09	5.409790e-05	9.352024e-05
C25_33	1.861268e-03	3.501668e-07	9.495766e-03	2.837471e-02
C25	1.407246e-03	1.191532e-07	4.870111e-03	8.599658e-03
C26	1.763915e-04	1.210576e-08	7.102446e-04	2.064029e-03
C27	5.450336e-03	1.362691e-06	2.263416e-02	6.737035e-02
C27	3.013257e-04	1.075594e-07	1.201185e-03	3.339288e-03
C28_32	5.883185e-04	6.714283e-08	3.062389e-03	1.035350e-02
C29	1.224121e-04	1.161661e-08	5.367637e-04	1.596206e-03
C30	6.070798e-04	5.625154e-09	3.148684e-03	1.039981e-02
C31	3.146154e-03	5.990760e-08	2.154441e-02	2.073481e-01
E37-39	1.197161e-05	5.977730e-09	5.159872e-05	3.894911e-03
E37-39	7.357372e-07	1.555303e-10	4.145711e-06	3.446409e-05
D35	1.253042e-06	9.978071e-10	4.585480e-06	1.206600e-05

D35	3.708988e-07	2.857725e-10	1.371012e-06	3.687348e-06
D35	2.338707e-07	1.860199e-10	8.560606e-07	2.252309e-06
D35	4.260878e-09	3.403246e-12	1.557036e-08	4.091516e-08
D35	2.502958e-07	1.994796e-10	9.157121e-07	2.408168e-06
D35	1.338338e-07	1.064509e-10	4.898855e-07	1.288896e-06
D35	7.223349e-07	5.760213e-10	2.642192e-06	6.945703e-06
D35	6.410601e-09	5.119511e-12	2.343526e-08	6.155636e-08
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	4.924449e-07	3.927874e-10	1.801160e-06	4.734073e-06
D35	9.130328e-07	7.262228e-10	3.342066e-06	8.793028e-06
D35	3.510983e-06	2.792622e-09	1.285160e-05	3.381278e-05
D35	6.878487e-08	5.299782e-11	2.542605e-07	6.838356e-07
D35	2.476664e-07	1.972186e-10	9.063293e-07	2.384870e-06
E36	1.293380e-07	1.010230e-10	4.719092e-07	1.241627e-06
F	9.237292e-04	3.093505e-07	2.668624e-03	3.762339e-03
F	1.437945e-07	5.826406e-11	4.196439e-07	6.182952e-07
G45	4.444277e-04	3.493702e-07	1.611107e-03	4.233692e-03
G47	2.983359e-05	7.805555e-08	1.023567e-04	2.690105e-04
G46	2.983817e-03	6.971704e-06	1.964968e-02	4.879983e-02
G47	6.924245e-04	1.148973e-06	3.026614e-03	1.119748e-02
I	2.918081e-04	1.421256e-07	1.013563e-03	2.742175e-03
H49	3.396379e-03	6.374271e-05	6.095615e-03	1.522212e-02
H49	8.311175e-03	1.464539e-04	1.578860e-02	3.978633e-02
H49	6.966222e-06	1.080159e-07	1.474205e-05	3.745146e-05
H50	5.672501e-04	1.060496e-05	1.024798e-03	2.567148e-03
H50	3.515949e-04	6.550518e-06	6.358821e-04	1.591440e-03
H51	5.961028e-04	1.521838e-06	2.457305e-03	7.612743e-03
H52	4.441552e-03	6.805637e-05	9.507367e-03	2.463414e-02
H53	1.125755e-03	9.925355e-07	4.030183e-03	1.079022e-02
K64	1.434928e-03	1.492642e-06	5.015131e-03	1.358970e-02
K65	4.953330e-04	7.635587e-07	1.762791e-03	4.649240e-03
K66	5.008478e-05	3.866659e-08	1.870897e-04	4.694597e-04
L68	7.951433e-05	5.198751e-08	2.512423e-04	5.280416e-04
M_N	7.102407e-04	2.840099e-06	2.368097e-03	6.247042e-03
J62_63	1.346972e-04	6.306447e-08	5.495124e-04	1.601075e-03
M_N	3.233909e-05	1.953109e-08	1.167694e-04	3.091921e-04
M_N	1.258154e-02	9.998749e-06	4.606369e-02	1.208231e-01
O84	3.187812e-04	1.516402e-06	2.805536e-03	5.959537e-02
P85	5.068576e-05	7.117559e-08	1.809971e-04	4.766824e-04
M_N	9.318104e-06	5.668851e-09	3.369610e-05	8.922146e-05
E37-39	2.050128e-05	4.608852e-09	4.623301e-05	5.494428e-05
E37-39	1.540844e-05	3.457732e-09	3.483518e-05	4.175816e-05
E37-39	2.526084e-06	5.304902e-10	5.893851e-06	7.953879e-06
E37-39	7.082801e-05	3.307344e-09	1.304376e-04	1.614674e-04
E37-39	3.192213e-06	6.756863e-10	7.149277e-06	8.479905e-06
E37-39	4.903006e-06	1.029010e-09	1.121145e-05	1.421741e-05

	E37-39	9.864216e-06	2.194766e-09	2.271694e-05	2.888316e-05
	E37-39	2.321931e-06	4.919549e-10	5.196424e-06	6.147862e-06
	E37-39	5.167256e-08	6.026463e-11	2.069800e-07	5.478039e-07
	E37-39	1.012254e-05	2.244979e-09	2.348453e-05	3.054634e-05
	E37-39	5.643172e-05	2.312114e-09	1.225819e-04	1.297158e-04
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	3.426939e-06	6.458174e-10	9.227725e-06	1.694868e-05
	E37-39	8.688756e-06	1.938664e-09	1.989904e-05	2.488304e-05
	E37-39	1.700221e-06	3.566059e-10	3.903013e-06	5.006160e-06
	E37-39	1.147305e-06	2.406210e-10	2.631381e-06	3.365764e-06
	E37-39	9.969763e-08	1.140414e-10	3.885070e-07	1.041792e-06
	E37-39	1.815402e-05	3.942181e-09	4.365977e-05	6.262833e-05
	E37-39	3.706553e-08	4.105049e-11	1.515918e-07	4.160066e-07
	E37-39	1.306911e-07	1.380232e-10	4.952666e-07	1.365352e-06
	R_S	5.452454e-06	4.290149e-09	1.991654e-05	5.234455e-05
	R_S	1.995147e-04	4.496491e-07	6.942243e-04	1.842167e-03
	R_S	3.195546e-04	3.860774e-08	1.517391e-03	4.905189e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
PL	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.098260e-10	0.000000e+00	2.290659e-04	8.089733e-03
	A01	5.339228e-10	0.000000e+00	9.499978e-03	3.255167e-01
	A01	2.573242e-10	0.000000e+00	2.643879e-09	3.457631e-04
	A01	1.019441e-10	0.000000e+00	1.047426e-09	4.594019e-09
	A01	7.261212e-11	0.000000e+00	7.460536e-10	3.272199e-09
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.901110e-04	5.446261e-09	2.999021e-02	9.457375e-01
	A01	1.522166e-10	0.000000e+00	1.563950e-09	6.859503e-09
	A01	6.153804e-10	0.000000e+00	6.322729e-09	2.773156e-08
	A01	3.288660e-10	0.000000e+00	3.378936e-09	1.482005e-08
	A01	1.246232e-04	3.569869e-09	2.471256e-04	4.708725e-04
	A01	6.737783e-05	1.930059e-09	1.336089e-04	1.180884e-04
	A01	6.249484e-10	0.000000e+00	6.421036e-09	2.816273e-08
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	6.741137e-05	8.684487e-08	1.097008e-03	3.052779e-02
	A03	1.998158e-07	7.869077e-10	7.303509e-07	9.058805e-05
	B_nongas	2.788304e-05	1.471981e-07	1.075594e-04	2.646538e-04
	B_nongas	1.273564e-06	6.224106e-08	1.306491e-05	2.044097e-06
	B_gas	1.834524e-06	6.273371e-10	5.094923e-06	4.427070e-06
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	8.968597e-04	2.850915e-07	1.798252e-03	1.725083e-03
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	8.515665e-06	3.037556e-09	1.713033e-05	1.688840e-05

B_nongas	4.236692e-05	1.479608e-08	8.532634e-05	8.299930e-05
B_nongas	6.920931e-11	1.140147e-12	1.323693e-10	3.045087e-10
B_nongas	2.298157e-05	6.747343e-09	5.689279e-05	9.699510e-05
B_nongas	4.845366e-05	1.656557e-08	1.006321e-04	1.099081e-04
B_nongas	6.458744e-06	2.263209e-09	1.302138e-05	1.279187e-05
C10-12	4.373974e-05	9.115021e-09	1.264273e-04	1.473294e-02
C10-12	5.997458e-04	1.255888e-07	1.732472e-03	3.504195e-02
C10-12	1.525249e-04	3.176179e-08	5.715024e-04	1.005159e-02
C10-12	1.070217e-06	4.788891e-10	3.246633e-04	1.313707e-01
C10-12	2.064391e-05	5.571784e-09	1.008066e-04	3.298225e-02
C10-12	1.837759e-03	3.652405e-07	4.750696e-03	4.996022e-02
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	1.251898e-04	2.613533e-08	3.198915e-04	1.617688e-02
C10-12	1.770549e-03	3.584292e-07	3.848949e-03	4.689902e-01
C10-12	5.197745e-04	1.083761e-07	1.284229e-03	1.683515e-01
C10-12	1.349889e-03	2.812478e-07	2.689863e-03	1.443279e-01
C10-12	2.593550e-03	3.843337e-04	7.355514e-02	1.378970e-02
C13-15	1.463090e-03	1.892484e-07	4.727831e-03	1.187498e-02
C13-15	7.962559e-05	1.767513e-07	4.519404e-04	2.323318e-03
C13-15	9.908874e-04	2.882511e-08	6.145211e-03	2.242330e-02
C16	2.183613e-03	5.568328e-07	6.515568e-03	1.413377e-02
C16	8.861262e-04	2.964997e-07	2.667391e-03	5.864266e-03
C17	4.851490e-04	3.843805e-08	1.021446e-03	9.744176e-04
C17	1.279943e-04	9.743930e-09	2.626838e-04	2.262692e-04
C17	2.191896e-03	6.870975e-08	6.846648e-03	1.609276e-02
C18	2.521357e-04	1.063296e-07	1.037297e-03	3.067968e-03
C19	4.594630e-03	1.323627e-07	1.684096e-02	1.242685e-02
C19	2.512853e-02	1.893999e-06	9.064361e-02	5.911125e-02
C24	1.146475e-05	6.535817e-10	2.230370e-05	1.474532e-05
C20-21	1.146238e-04	8.532313e-08	5.767979e-04	2.576499e-03
C20-21	1.597480e-04	9.886973e-08	7.900010e-04	3.270547e-03
C20-21	1.740758e-04	2.112452e-09	3.089564e-04	2.132695e-04
C20-21	4.986880e-01	1.349725e-05	9.805007e-01	6.440208e-01
C20-21	2.919722e-02	7.071188e-07	5.551985e-02	3.588738e-02
C22	7.161678e-03	1.985012e-06	3.119033e-02	9.347522e-02
C23	1.515180e-03	3.241230e-07	5.557768e-03	1.453893e-02
C23	5.557664e-04	1.189446e-07	2.039317e-03	5.336424e-03
C23	3.401158e-04	6.057832e-08	7.923818e-04	1.059189e-03
C23	3.840715e-04	7.503093e-08	8.086859e-04	7.812390e-04
C23	1.806447e-03	3.374520e-07	3.778747e-03	3.613205e-03
C23	1.491511e-04	2.925380e-08	3.129018e-04	2.978826e-04
C23	5.422698e-04	7.162239e-08	1.604389e-03	3.329575e-03
C24	1.663038e-03	2.876000e-07	6.475735e-03	5.373092e-03
C24	1.370197e-03	2.366729e-07	5.204669e-03	4.360082e-03
C24	3.630814e-04	6.627427e-08	1.188384e-03	1.007333e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.251712e-04	5.911396e-08	1.081154e-03	9.118207e-04
C24	1.506536e-04	2.915601e-08	4.934692e-04	4.261238e-04

C24	2.217085e-04	4.191783e-08	8.020178e-04	7.072172e-04
C24	5.192372e-05	1.080300e-08	1.701895e-04	1.468506e-04
C24	3.159880e-04	5.765530e-08	1.033150e-03	8.694617e-04
C24	2.670235e-05	5.555559e-09	8.752186e-05	7.551957e-05
C24	3.514684e-07	7.215715e-11	1.143520e-06	9.901720e-07
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.156304e-04	2.400128e-08	3.790376e-04	3.267715e-04
C25_33	4.374675e-03	1.226049e-06	1.907666e-02	5.563830e-02
C25	2.525370e-03	5.745767e-07	9.120529e-03	2.094848e-02
C26	4.170200e-05	1.483940e-08	1.797535e-04	5.498694e-04
C27	3.028890e-02	7.576500e-06	1.258973e-01	3.750386e-01
C27	2.697572e-04	7.610429e-08	1.103592e-03	3.250216e-03
C28_32	5.963369e-04	1.075343e-07	2.537807e-03	7.639581e-03
C29	3.055971e-03	7.528236e-07	1.297314e-02	3.874612e-02
C30	2.771318e-04	1.745421e-07	1.212837e-03	3.809606e-03
C31	9.820300e-03	5.334084e-07	5.163205e-02	1.758359e-01
E37-39	6.935779e-04	6.127715e-08	1.395234e-03	1.215680e-03
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.774226e-04	6.855108e-08	4.292177e-04	9.706286e-04
D35	4.962566e-06	2.180210e-09	1.200907e-05	2.720296e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.727886e-06	1.198446e-09	6.601299e-06	1.495327e-05
D35	6.048158e-07	2.658078e-10	1.463597e-06	3.315883e-06
D35	3.232211e-06	1.420011e-09	7.821729e-06	1.771779e-05
D35	2.759430e-06	1.212300e-09	6.677644e-06	1.512622e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.445043e-06	6.347216e-10	3.496903e-06	7.919288e-06
D35	4.855164e-05	4.051959e-08	1.207068e-04	2.646306e-04
D35	1.328139e-04	5.144997e-08	3.219617e-04	7.272868e-04
D35	1.435871e-04	5.568141e-08	3.480790e-04	7.872983e-04
D35	2.219526e-04	8.568369e-08	5.366831e-04	1.213621e-03
E36	1.175179e-05	4.911664e-08	2.614587e-05	1.191668e-04
F	2.871567e-03	1.958290e-06	9.809399e-03	2.345736e-02
F	3.838937e-07	3.580369e-10	1.270689e-06	2.892950e-06
G45	2.068154e-04	9.107682e-07	6.597304e-04	1.996122e-03
G47	8.965210e-05	3.788867e-07	2.764035e-04	8.413069e-04
G46	7.587466e-02	3.481758e-05	1.663366e-01	2.785569e-01
G47	1.515624e-02	2.581775e-05	4.134660e-02	1.285644e-01
I	3.338515e-04	6.785455e-07	1.088447e-03	4.705397e-03
H49	8.011368e-03	1.496419e-04	1.446995e-02	3.729924e-02
H49	2.740155e-02	4.886404e-04	5.154198e-02	1.325451e-01
H49	9.568093e-05	1.387977e-06	2.174917e-04	8.375833e-04
H50	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
H50	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
H51	2.963899e-04	1.404441e-06	1.043263e-03	3.029030e-03

	H52	9.369331e-03	1.464103e-04	1.960994e-02	5.160902e-02
	H53	3.484627e-04	1.104393e-06	1.237054e-03	3.485333e-03
	K64	3.310396e-03	4.045792e-06	1.146751e-02	3.115710e-02
	K65	2.048736e-03	6.152313e-06	6.900021e-03	1.835942e-02
	K66	4.633980e-04	8.740594e-07	1.641417e-03	4.301249e-03
	L68	1.130495e-04	5.082597e-07	3.671692e-04	9.958765e-04
	M_N	1.479246e-03	1.275326e-06	5.406791e-03	1.434135e-02
	J62_63	5.520062e-05	3.519237e-08	2.183524e-04	6.286437e-04
	M_N	4.879296e-04	2.283741e-08	1.047680e-03	1.494199e-03
	M_N	4.615050e-03	3.437375e-06	1.578020e-02	4.323869e-02
	O84	5.810627e-07	9.886778e-11	2.393720e-06	7.194718e-06
	P85	7.889331e-06	5.343974e-08	1.078728e-04	2.807129e-03
	M_N	2.443553e-04	3.437883e-08	5.292833e-04	1.351920e-03
	E37-39	3.150094e-08	1.929276e-10	1.046802e-07	3.170082e-07
	E37-39	1.345262e-07	1.002220e-09	4.110527e-07	1.246532e-06
	E37-39	2.354938e-07	1.577733e-09	7.340474e-07	2.203851e-06
	E37-39	4.152350e-05	2.823736e-08	7.750171e-05	1.169169e-04
	E37-39	6.010791e-09	4.708913e-11	1.761656e-08	5.822963e-08
	E37-39	4.419954e-07	2.746132e-09	1.259841e-06	3.446140e-06
	E37-39	6.718086e-07	4.208026e-09	1.910524e-06	5.223995e-06
	E37-39	3.898308e-08	2.898522e-10	1.199100e-07	3.578236e-07
	E37-39	4.926811e-09	3.919976e-11	2.278441e-08	6.481406e-08
	E37-39	2.404399e-06	1.292177e-08	7.074935e-06	1.942716e-05
	E37-39	3.939573e-06	1.844095e-08	1.191514e-05	3.282625e-05
	E37-39	1.565521e-08	1.235905e-10	4.611504e-08	1.450173e-07
	E37-39	2.929593e-06	1.557806e-08	8.643850e-06	2.374008e-05
	E37-39	4.153737e-06	2.008964e-08	1.247421e-05	3.433278e-05
	E37-39	5.261443e-06	2.549427e-08	1.579166e-05	4.345578e-05
	E37-39	2.823013e-06	1.508478e-08	8.317999e-06	2.284024e-05
	E37-39	6.112421e-07	3.849629e-09	1.807851e-06	4.945737e-06
	E37-39	4.822741e-06	2.346312e-08	1.441699e-05	3.966838e-05
	E37-39	5.739564e-07	3.614802e-09	1.674684e-06	4.580606e-06
	E37-39	9.255214e-07	5.716688e-09	2.641967e-06	7.226888e-06
	R_S	2.292631e-05	1.280186e-07	2.774627e-04	6.989099e-03
	R_S	5.834140e-05	9.063797e-08	2.097030e-04	5.793660e-04
	R_S	3.732503e-05	3.904048e-08	1.625830e-04	5.104781e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
PT	A01	3.217839e-10	0.000000e+00	1.506347e-09	4.851717e-09
	A01	1.053166e-10	6.910128e-15	1.263748e-05	4.024589e-04
	A01	2.640978e-09	2.997840e-14	3.237427e-05	1.030703e-03
	A01	6.507035e-09	2.735536e-13	3.351410e-08	2.057789e-03
	A01	2.150111e-09	2.895720e-14	9.534608e-09	2.980975e-08
	A01	3.051805e-10	0.000000e+00	1.346771e-09	4.201342e-09
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.944275e-07	2.869057e-10	4.335899e-03	1.383424e-01
	A01	1.022236e-09	3.780404e-14	5.203726e-09	1.743182e-08
	A01	1.902548e-09	7.900290e-14	9.565235e-09	3.185302e-08

A01	1.094524e-09	3.644250e-14	5.621686e-09	1.891108e-08
A01	4.817220e-07	1.099683e-09	1.737735e-06	2.122365e-04
A01	1.623619e-07	4.850546e-10	5.534257e-07	1.413446e-05
A01	2.387621e-09	1.765019e-13	1.186536e-08	3.926070e-08
A01	1.208656e-11	0.000000e+00	6.503969e-11	2.235139e-10
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	2.032117e-07	4.802361e-10	9.164169e-07	4.778643e-06
A03	1.399830e-07	5.197197e-10	4.601509e-07	4.127824e-05
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.842536e-07	1.561675e-10	4.828095e-07	5.065208e-07
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	3.323518e-11	6.024316e-15	1.116110e-10	2.366047e-10
B_nongas	1.318191e-07	1.587884e-10	3.327655e-07	3.054995e-07
B_nongas	9.812222e-08	9.362986e-11	2.430843e-07	1.854854e-07
B_nongas	5.078979e-06	1.080701e-09	2.438342e-05	7.915215e-05
B_nongas	7.948930e-07	2.874935e-10	3.339165e-06	9.707607e-06
B_nongas	7.431820e-06	2.458194e-11	3.182926e-05	9.763575e-05
C10-12	1.083764e-07	6.623881e-10	3.232059e-07	3.521914e-04
C10-12	5.537590e-07	4.379079e-10	2.018434e-06	9.335316e-04
C10-12	1.302543e-07	1.017292e-10	4.751122e-07	1.049854e-04
C10-12	1.243222e-07	8.040720e-10	3.663961e-07	8.631513e-05
C10-12	6.796936e-08	3.838325e-10	2.095199e-07	6.014863e-03
C10-12	3.199912e-07	2.124918e-10	1.144422e-06	5.849568e-04
C10-12	2.181619e-08	1.342215e-10	6.484628e-08	4.367124e-04
C10-12	1.686848e-08	5.774634e-11	5.784504e-08	7.157796e-04
C10-12	5.786823e-07	4.161500e-10	2.070101e-06	2.210443e-02
C10-12	1.989204e-07	1.367670e-10	7.078554e-07	1.645503e-02
C10-12	3.144274e-07	2.211677e-10	1.119202e-06	1.259004e-01
C10-12	5.131340e-05	7.597057e-06	1.454153e-03	2.730568e-04
C13-15	8.224252e-05	3.742566e-09	5.655724e-04	2.249248e-03
C13-15	4.821150e-06	2.585132e-10	4.337845e-05	1.839906e-04
C13-15	4.495836e-04	2.882911e-09	2.832425e-03	1.039201e-02
C16	9.135198e-05	2.496539e-08	4.288664e-04	1.357209e-03
C16	1.412598e-05	3.871873e-09	6.640534e-05	2.102425e-04
C17	2.405611e-07	3.428112e-10	9.412432e-07	2.682630e-06
C17	4.501164e-08	6.660555e-11	1.756465e-07	4.995700e-07
C17	8.150096e-05	6.769902e-10	3.163283e-04	9.190121e-04
C18	3.274882e-05	3.206872e-09	1.441008e-04	4.459132e-04
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	1.205320e-05	9.706395e-08	9.913633e-05	9.477919e-05
C24	5.965197e-09	9.441553e-11	1.225839e-08	3.133522e-08

C20-21	1.268926e-05	3.778525e-09	5.414844e-05	1.632073e-04
C20-21	2.544354e-06	8.185066e-10	1.085229e-05	3.267798e-05
C20-21	8.792798e-08	1.637217e-10	3.523949e-07	1.050436e-06
C20-21	2.578375e-07	4.790612e-10	1.039830e-06	3.103653e-06
C20-21	1.015311e-06	3.270406e-10	4.339158e-06	1.305380e-05
C22	5.384909e-04	1.855440e-07	2.998544e-03	1.013489e-02
C23	2.016354e-05	4.665420e-09	8.802843e-05	2.617316e-04
C23	6.592571e-06	2.430792e-09	2.865845e-05	8.523895e-05
C23	7.101779e-06	4.399875e-10	3.253490e-05	9.938868e-05
C23	2.135128e-07	7.865106e-10	7.861457e-07	2.289790e-06
C23	1.534027e-06	8.430552e-10	6.307030e-06	1.839199e-05
C23	1.173201e-07	5.215516e-10	4.009944e-07	1.139456e-06
C23	3.876410e-05	3.007859e-10	1.833846e-04	5.688746e-04
C24	8.988875e-07	6.253379e-10	4.064941e-06	1.172042e-05
C24	1.352473e-06	9.301013e-10	6.116511e-06	1.766320e-05
C24	9.461815e-08	3.032591e-11	4.051797e-07	1.209867e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.385412e-07	3.502009e-10	2.841201e-06	8.326949e-06
C24	5.141004e-07	3.374846e-10	2.353140e-06	6.877425e-06
C24	3.029006e-07	1.682643e-10	1.351058e-06	3.960631e-06
C24	2.406491e-07	1.100795e-10	1.054300e-06	3.112474e-06
C24	1.047785e-06	4.147319e-10	4.534151e-06	1.343749e-05
C24	4.434523e-09	1.251809e-12	1.877008e-08	5.268984e-08
C24	1.568186e-07	9.040837e-11	7.030183e-07	2.060240e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.619916e-06	8.172489e-10	7.140944e-06	2.098399e-05
C25_33	6.211179e-04	1.319816e-07	3.021871e-03	8.961765e-03
C25	2.074200e-04	1.525748e-08	8.346433e-04	1.948559e-03
C26	8.872977e-06	1.696475e-09	4.382893e-05	1.457809e-04
C27	6.131853e-03	1.493732e-06	2.551412e-02	7.606207e-02
C27	1.591023e-04	3.843528e-08	6.637128e-04	1.979887e-03
C28_32	9.516426e-05	4.393760e-09	5.220263e-04	1.807430e-03
C29	5.748030e-05	2.432910e-09	2.584294e-04	7.916310e-04
C30	5.825967e-05	1.297992e-08	2.494276e-04	7.571489e-04
C31	4.757105e-04	1.820463e-09	2.557158e-03	8.767196e-03
E37-39	2.009845e-08	7.772043e-12	9.176931e-08	2.847278e-07
E37-39	6.710356e-09	1.541857e-11	3.401597e-08	1.135477e-07
D35	9.328567e-07	5.710110e-10	3.797303e-06	1.109969e-05
D35	2.013049e-06	8.405053e-10	8.515101e-06	2.560649e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	7.876697e-07	4.533480e-10	3.265301e-06	9.669514e-06
D35	7.850260e-07	2.994737e-10	3.239320e-06	9.586555e-06
D35	4.084881e-07	2.679047e-10	1.661116e-06	4.849145e-06
D35	1.863495e-07	9.525330e-11	7.555444e-07	2.205322e-06
D35	8.100100e-09	2.628236e-12	3.338541e-08	9.879968e-08
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	8.489245e-09	7.275336e-12	3.311224e-08	9.350832e-08

D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.757289e-06	1.013997e-09	7.128468e-06	2.079581e-05
D35	6.996948e-06	2.039736e-09	2.860463e-05	8.335457e-05
D35	4.694417e-07	2.166142e-10	1.959185e-06	5.836559e-06
D35	8.701536e-10	4.973378e-13	3.602277e-09	1.064062e-08
E36	1.354375e-05	6.423961e-09	2.520433e-05	3.551565e-05
F	4.429996e-04	7.399048e-08	1.491874e-03	3.129289e-03
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.342119e-05	1.210471e-07	3.163540e-05	7.584660e-05
G47	6.679585e-06	8.120003e-08	1.590187e-05	4.110789e-05
G46	7.056303e-04	1.490838e-06	2.770454e-03	1.511679e-02
G47	4.553866e-05	7.741780e-08	1.663549e-04	8.556552e-03
I	1.545893e-04	2.762459e-09	5.374359e-04	1.871333e-03
H49	2.845581e-04	5.355918e-06	5.092139e-04	1.271008e-03
H49	1.656090e-03	2.968345e-05	3.095706e-03	7.789330e-03
H49	9.069906e-07	1.476958e-08	1.850831e-06	4.662467e-06
H50	8.611613e-06	1.609987e-07	1.552348e-05	3.875759e-05
H50	2.627538e-06	4.927888e-08	4.720676e-06	1.178267e-05
H51	1.966858e-04	1.254395e-07	8.206204e-04	2.471314e-03
H52	6.343558e-04	9.881668e-06	1.314044e-03	3.341442e-03
H53	7.155351e-05	4.202694e-08	2.754324e-04	7.760126e-04
K64	1.134260e-03	1.184273e-06	3.948179e-03	1.073310e-02
K65	1.511549e-05	4.532049e-08	5.091419e-05	1.354767e-04
K66	2.287700e-07	3.429816e-11	1.406867e-06	5.366752e-07
L68	1.696722e-05	9.843485e-09	5.130819e-05	9.672271e-05
M_N	4.906225e-05	3.959544e-08	1.789949e-04	4.721565e-04
J62_63	1.701256e-06	8.898663e-10	6.556363e-06	1.796750e-05
M_N	5.516061e-07	8.798039e-10	1.912147e-06	5.602512e-06
M_N	2.728230e-04	2.147953e-07	9.952711e-04	2.602529e-03
O84	1.916656e-05	9.387228e-08	7.886877e-05	8.268032e-04
P85	2.968731e-06	1.571883e-09	1.026200e-05	2.691097e-05
M_N	1.757500e-06	6.009147e-10	6.841778e-06	2.130553e-05
E37-39	7.880698e-08	3.444290e-11	2.302308e-07	3.819709e-07
E37-39	7.440305e-08	2.652164e-11	2.277431e-07	4.371526e-07
E37-39	1.085170e-07	4.168986e-12	3.906263e-07	1.069344e-06
E37-39	5.475037e-05	7.718372e-11	9.229098e-05	1.061333e-04
E37-39	1.944516e-08	5.271775e-12	6.204881e-08	1.333603e-07
E37-39	1.805301e-08	6.421630e-12	5.508237e-08	1.048995e-07
E37-39	3.447775e-08	1.615126e-11	9.885832e-08	1.528449e-07
E37-39	1.818569e-08	6.995147e-12	5.447016e-08	9.844915e-08
E37-39	1.630655e-09	9.565755e-13	8.379413e-09	1.607265e-08
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.201639e-07	1.336824e-11	7.844211e-07	2.108796e-06
E37-39	7.376192e-10	4.335925e-13	1.950754e-09	2.080103e-09
E37-39	4.574519e-08	2.264802e-11	1.292310e-07	1.882544e-07
E37-39	9.026497e-08	4.501427e-11	2.629518e-07	4.152141e-07
E37-39	1.999187e-07	1.111293e-10	5.423980e-07	6.598523e-07
E37-39	1.313556e-07	7.161533e-11	3.592878e-07	4.540466e-07

R0	E37-39	1.717940e-08	1.007487e-11	7.134464e-08	1.209212e-07
	E37-39	1.392344e-07	7.905764e-11	3.637923e-07	4.147590e-07
	E37-39	2.494620e-08	1.454139e-11	8.457222e-08	1.240827e-07
	E37-39	3.802759e-08	1.791603e-11	1.084575e-07	1.652300e-07
	R_S	3.055617e-06	1.699036e-09	1.681893e-05	1.977176e-04
	R_S	1.046319e-05	9.977497e-10	3.681788e-05	1.891483e-04
	R_S	1.012234e-05	1.938495e-09	4.060334e-05	1.194389e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	1.288567e-04	6.538297e-03
	A01	0.000000e+00	0.000000e+00	8.019755e-05	1.364883e-01
	A01	0.000000e+00	0.000000e+00	0.000000e+00	1.261128e-04
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	7.021055e-03	2.236040e-01
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
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A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	
A01	0.000000e+00	0.000000e+00	0.000000e+00		

C10-12	0.000000e+00	0.000000e+00	0.000000e+00	1.209684e-03
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	7.049113e-05
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	1.389928e-02
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	4.953227e-02
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	3.843173e-02
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	9.008277e-04
C10-12	6.074157e-04	9.005378e-05	1.723426e-02	3.228582e-03
C13-15	2.794554e-04	0.000000e+00	1.970283e-03	7.775861e-03
C13-15	2.231741e-06	0.000000e+00	2.294909e-05	1.006711e-04
C13-15	4.149745e-03	0.000000e+00	2.617007e-02	9.605789e-02
C16	8.212214e-04	2.285217e-07	3.850139e-03	1.216923e-02
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	4.789904e-04	0.000000e+00	1.858029e-03	5.399396e-03
C18	2.209194e-06	0.000000e+00	1.048057e-05	3.374476e-05
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	4.226237e-03	2.532058e-07	6.930013e-02	4.543021e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	3.488347e-08	3.458368e-08
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	7.665488e-02	2.073067e-06	1.507097e-01	9.894946e-02
C20-21	8.387783e-03	1.901087e-07	1.537774e-02	9.743425e-03
C22	1.194772e-03	4.134786e-07	6.658216e-03	2.251244e-02
C23	1.093770e-04	2.428644e-08	4.786633e-04	1.424382e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.227048e-05	0.000000e+00	1.036223e-04	3.186228e-04
C23	5.722365e-07	0.000000e+00	2.704583e-06	8.383142e-06
C23	1.330389e-07	0.000000e+00	7.053740e-07	2.310555e-06
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	5.446648e-05	0.000000e+00	2.582749e-04	8.019078e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	6.936282e-04	1.532514e-07	3.543574e-03	1.031331e-02
C25	2.8624			

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	084	1.805254e-07	0.000000e+00	6.249841e-07	1.698986e-06
	P85	2.660043e-07	0.000000e+00	9.228419e-07	2.508932e-06
	M_N	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.362478e-08	0.000000e+00	4.987553e-08	1.405816e-07
	E37-39	2.020433e-08	0.000000e+00	7.399651e-08	2.086343e-07
	E37-39	3.829557e-08	0.000000e+00	1.403671e-07	3.959707e-07
	E37-39	1.031575e-04	0.000000e+00	1.736414e-04	1.996967e-04
	E37-39	2.316658e-09	0.000000e+00	8.461035e-09	2.381362e-08
	E37-39	2.792279e-09	0.000000e+00	1.021870e-08	2.879779e-08
	E37-39	1.195380e-08	0.000000e+00	4.377652e-08	1.234228e-07
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	3.601299e-07	0.000000e+00	1.320476e-06	3.725864e-06
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	4.092227e-08	0.000000e+00	1.495335e-07	4.209979e-07
	E37-39	3.280265e-08	0.000000e+00	1.202744e-07	3.393637e-07
	E37-39	1.492605e-08	0.000000e+00	5.381692e-08	1.502084e-07
	E37-39	1.365790e-08	0.000000e+00	4.963053e-08	1.392305e-07
	E37-39	0.000000e+00	0.000000e+00	5.481917e-08	1.525650e-07
	E37-39	4.143956e-09	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	4.188312e-08	1.168017e-07
	E37-39	1.417545e-08	0.000000e+00	5.143995e-08	1.441770e-07
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
SE	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	4.227943e-07	3.374544e-10	9.850208e-05	3.101475e-03
	A01	3.365994e-07	2.686594e-10	2.005324e-04	6.388939e-03
	A01	5.751693e-08	4.590078e-11	2.102896e-07	1.150534e-05
	A01	2.990842e-08	2.387534e-11	1.093510e-07	2.871844e-07
	A01	6.438384e-08	5.138522e-11	2.353971e-07	6.182191e-07
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.763457e-05	1.117150e-07	1.383635e-03	3.890539e-02
	A01	1.881170e-07	1.501236e-10	6.877809e-07	1.806312e-06
	A01	4.742203e-07	3.785742e-10	1.733843e-06	4.553520e-06
	A01	7.906772e-08	6.307940e-11	2.890771e-07	7.592078e-07
	A01	2.610983e-05	2.824755e-08	4.760798e-05	6.798373e-05
	A01	1.594793e-05	1.991636e-08	2.849401e-05	3.957329e-05
	A01	8.423594e-07	6.723146e-10	3.079796e-06	8.088404e-06
	A01	3.010342e-09	2.402136e-12	1.100617e-08	2.890548e-08
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	4.579763e-06	1.502596e-09	2.102757e-05	6.563875e-05
	A03	1.701947e-08	1.378003e-11	6.205190e-08	1.635859e-07
	B_nongas	1.291627e-04	9.076468e-07	1.299880e-03	4.681423e-04

B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	1.495314e-06	1.193921e-09	5.467213e-06	1.435824e-05
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.037143e-07	3.862343e-10	3.054185e-07	4.557374e-07
B_nongas	2.064439e-05	5.836344e-08	4.503036e-05	1.018727e-04
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	2.354797e-07	1.347822e-09	5.392839e-07	1.207838e-06
B_nongas	1.598263e-06	6.715559e-09	3.737656e-06	6.924060e-06
B_nongas	4.014573e-14	0.000000e+00	6.580182e-13	4.311284e-13
B_nongas	3.775057e-06	7.624361e-10	1.830175e-05	5.895971e-05
B_nongas	2.684955e-07	3.682869e-10	3.022538e-06	2.884450e-06
B_nongas	3.613106e-06	2.482151e-11	1.651985e-05	4.726367e-05
C10-12	1.125997e-06	1.581935e-08	4.476409e-06	3.001061e-03
C10-12	6.092084e-07	4.624063e-09	3.436464e-06	2.876607e-03
C10-12	6.265054e-07	8.884092e-09	4.307818e-06	1.443919e-04
C10-12	7.529245e-08	9.887653e-10	6.920812e-06	1.176910e-02
C10-12	1.152155e-06	2.077173e-08	2.214652e-06	1.478365e-04
C10-12	4.814733e-06	6.426409e-08	2.056542e-05	1.039222e-03
C10-12	4.582077e-11	9.508770e-15	2.347381e-10	7.891405e-10
C10-12	7.737590e-07	1.097676e-08	1.780659e-06	3.302724e-04
C10-12	6.660951e-06	9.496571e-08	2.213099e-05	2.678085e-02
C10-12	1.653871e-06	2.295878e-08	7.099245e-06	1.231995e-02
C10-12	4.621063e-06	7.111498e-08	9.808967e-06	8.017432e-04
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	3.667802e-05	1.716975e-08	2.509974e-04	9.843235e-04
C13-15	2.033552e-06	1.266216e-08	9.988084e-06	3.684269e-05
C13-15	1.320493e-05	7.792848e-10	8.222839e-05	2.998389e-04
C16	2.949486e-04	1.576596e-07	1.242044e-03	3.542095e-03
C16	3.006902e-06	5.550315e-09	1.518988e-05	3.085007e-05
C17	5.460072e-06	2.240140e-08	1.780883e-05	4.817570e-05
C17	1.113800e-06	4.655264e-09	3.665314e-06	9.969026e-06
C17	2.577034e-03	3.394568e-08	9.992722e-03	2.903431e-02
C18	2.218901e-05	3.875158e-08	8.277280e-05	2.318139e-04
C19	4.317765e-07	5.413167e-09	1.013305e-06	2.711139e-06
C19	1.288338e-03	1.379588e-07	2.127881e-02	1.403330e-02
C24	1.022820e-06	1.335293e-08	2.299772e-06	6.055815e-06
C20-21	4.629061e-05	1.127859e-07	1.724986e-04	4.805994e-04
C20-21	8.525790e-05	7.356913e-08	3.413851e-04	9.617187e-04
C20-21	5.884426e-09	4.705876e-12	2.684053e-08	8.427033e-08
C20-21	6.836695e-09	2.262627e-11	3.534315e-08	2.930933e-05
C20-21	5.581511e-07	2.095327e-09	1.996986e-06	5.592426e-06
C22	6.358979e-04	2.239994e-07	3.498185e-03	1.174520e-02
C23	5.118716e-05	3.459135e-08	2.212698e-04	6.556022e-04
C23	2.810455e-05	1.858404e-08	1.215373e-04	3.601558e-04
C23	5.398221e-06	5.391465e-08	1.779393e-05	4.713941e-05
C23	3.228450e-07	3.638418e-09	1.103238e-06	3.041495e-06

C23	1.948486e-05	2.374378e-07	6.219278e-05	1.457204e-04
C23	8.093982e-07	1.111450e-08	2.246173e-06	5.355556e-06
C23	9.460315e-05	3.321561e-08	4.438598e-04	1.373256e-03
C24	1.299556e-05	2.361308e-08	5.699113e-05	1.483981e-04
C24	5.428179e-06	8.841202e-09	2.232598e-05	5.683881e-05
C24	3.965988e-07	6.549648e-10	1.634221e-06	4.154294e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.571955e-06	6.471217e-09	1.750505e-05	4.342134e-05
C24	9.733179e-07	1.707258e-09	4.156281e-06	1.070773e-05
C24	2.234112e-06	3.296242e-09	8.785065e-06	2.205260e-05
C24	1.466512e-06	1.810761e-09	5.148458e-06	1.223497e-05
C24	4.057458e-05	4.359426e-08	1.825975e-04	5.256378e-04
C24	5.418850e-09	7.183654e-12	1.984759e-08	4.802405e-08
C24	2.938792e-07	4.950945e-10	1.252405e-06	3.244704e-06
C24	7.374822e-09	7.594228e-12	3.992043e-08	1.255119e-07
C24	2.956054e-06	4.007396e-09	1.091265e-05	2.654673e-05
C25_33	2.932070e-04	1.019937e-07	1.444685e-03	4.176283e-03
C25	7.819351e-04	7.847540e-08	2.394906e-03	2.233873e-03
C26	1.859524e-05	1.759634e-08	7.954566e-05	2.424869e-04
C27	3.335693e-03	8.476480e-07	1.387497e-02	4.135283e-02
C27	1.077934e-05	3.225160e-08	4.510325e-05	1.317697e-04
C28_32	2.595521e-04	1.510432e-08	1.461291e-03	5.115980e-03
C29	1.518905e-04	7.719227e-07	4.770420e-04	1.188770e-03
C30	1.268417e-04	1.798299e-08	6.479237e-04	2.159472e-03
C31	9.160985e-04	5.180621e-08	4.888318e-03	1.674017e-02
E37-39	1.174412e-05	1.362820e-09	2.007648e-05	2.414207e-05
E37-39	3.409335e-06	2.685028e-08	9.419890e-06	2.458377e-05
D35	4.057590e-07	1.790146e-11	1.464191e-06	3.397360e-06
D35	2.659681e-07	6.037687e-12	4.648135e-07	5.765384e-07
D35	6.670995e-05	1.527470e-09	1.166681e-04	1.450288e-04
D35	6.195565e-05	1.434453e-09	1.084468e-04	1.345427e-04
D35	1.323850e-06	3.030416e-11	2.315216e-06	2.878133e-06
D35	4.755092e-07	1.088485e-11	8.315932e-07	1.033789e-06
D35	4.750975e-06	1.087534e-10	8.308849e-06	1.032921e-05
D35	3.210838e-10	7.970431e-15	8.990571e-10	2.283607e-10
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.224847e-07	1.919305e-11	6.999220e-07	1.285878e-06
D35	3.875264e-05	8.870845e-10	6.777265e-05	8.425140e-05
D35	1.346294e-04	3.083337e-09	2.354565e-04	2.923993e-04
D35	3.879537e-06	8.882249e-11	6.783360e-06	8.428633e-06
D35	5.634965e-04	5.983444e-09	9.658312e-04	1.153684e-03
E36	4.724603e-04	5.132172e-11	7.965490e-04	9.193623e-04
F	3.413263e-04	7.832339e-08	1.034609e-03	1.366087e-03
F	1.132019e-06	9.213539e-10	3.553866e-06	4.694891e-06
G45	1.312575e-04	6.673422e-08	4.403029e-04	1.329578e-03
G47	6.966611e-05	5.344775e-07	1.969076e-04	5.425637e-04

	G46	2.044389e-03	2.510191e-05	4.799115e-03	1.485544e-02
	G47	1.271974e-04	9.867041e-07	3.631079e-04	2.022158e-03
	I	2.346598e-04	3.910061e-08	8.172609e-04	2.217789e-03
	H49	2.203549e-03	4.130646e-05	3.942739e-03	9.827478e-03
	H49	5.318607e-03	9.441706e-05	9.973059e-03	2.504500e-02
	H49	2.316094e-05	2.889185e-07	4.777700e-05	1.132302e-04
	H50	2.059696e-04	2.892128e-06	4.682400e-04	1.196710e-03
	H50	2.090490e-05	3.708409e-07	3.967746e-05	9.969841e-05
	H51	1.040920e-04	6.969437e-07	3.029438e-04	8.059305e-04
	H52	5.435618e-03	4.142450e-05	1.022551e-02	1.959987e-02
	H53	4.416838e-04	1.365265e-06	1.485737e-03	3.970747e-03
	K64	4.126597e-04	4.304838e-07	1.436615e-03	3.905046e-03
	K65	3.637559e-04	1.089438e-06	1.225465e-03	3.260586e-03
	K66	1.067189e-06	6.743280e-10	4.463641e-06	8.611531e-06
	L68	8.466481e-06	7.900198e-09	2.971668e-05	7.883397e-05
	M_N	3.007928e-04	3.862701e-07	1.080380e-03	2.842973e-03
	J62_63	4.161699e-05	8.176082e-08	1.516170e-04	4.169172e-04
	M_N	8.259775e-06	4.064857e-08	2.532703e-05	6.908432e-05
	M_N	3.168295e-03	3.063379e-06	1.152308e-02	3.028294e-02
	O84	2.420258e-05	2.198517e-08	8.815405e-05	2.332436e-04
	P85	1.934039e-05	6.091827e-08	7.372009e-05	4.617852e-04
	M_N	2.241980e-05	5.617856e-08	9.005640e-05	3.968497e-04
	E37-39	4.759998e-06	7.387413e-11	1.741891e-05	4.907109e-05
	E37-39	5.488716e-06	5.499566e-11	2.009757e-05	5.664543e-05
	E37-39	8.124832e-06	1.500176e-11	2.977922e-05	8.400068e-05
	E37-39	1.310016e-02	6.687094e-11	2.205111e-02	2.536013e-02
	E37-39	2.249397e-06	1.155613e-11	8.214530e-06	2.311575e-05
	E37-39	2.561673e-06	4.487635e-11	9.371286e-06	2.639348e-05
	E37-39	8.359509e-07	4.967058e-11	3.057445e-06	8.602100e-06
	E37-39	1.981502e-07	1.392277e-10	7.077459e-07	1.982433e-06
	E37-39	2.523556e-10	4.552216e-13	9.721513e-08	2.731995e-07
	E37-39	6.415468e-07	4.324150e-11	2.343723e-06	6.588039e-06
	E37-39	7.378674e-06	4.846658e-11	2.705118e-05	7.631002e-05
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	5.904408e-07	2.408620e-11	2.155725e-06	6.060700e-06
	E37-39	5.445561e-07	4.449828e-11	1.993046e-06	5.607214e-06
	E37-39	4.544272e-08	5.397887e-12	1.635892e-07	4.549339e-07
	E37-39	3.792894e-07	2.291768e-11	1.376821e-06	3.854766e-06
	E37-39	1.203768e-07	1.064234e-09	1.223602e-06	3.355392e-06
	E37-39	3.068493e-07	5.821976e-11	1.131364e-07	2.978669e-07
	E37-39	4.700942e-10	6.827144e-13	4.172173e-08	1.161215e-07
	E37-39	1.446789e-08	8.991175e-13	5.242694e-08	1.466106e-07
	R_S	2.164962e-06	1.738794e-08	5.820398e-06	1.533676e-05
	R_S	6.204980e-05	5.045696e-07	1.754512e-04	4.662304e-04
	R_S	3.961763e-06	1.856640e-08	1.253165e-05	3.460844e-05
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
SI	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

A01	4.036301e-08	3.276797e-11	1.258807e-06	4.299205e-03
A01	1.439995e-07	1.163200e-10	1.573839e-06	3.407126e-02
A01	3.230488e-07	2.593153e-10	1.159999e-06	1.859484e-04
A01	6.934338e-09	5.745912e-12	2.518253e-08	6.660197e-08
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	3.307407e-06	9.661783e-09	2.636347e-04	3.245704e-02
A01	1.490633e-07	1.196951e-10	5.352350e-07	1.405744e-06
A01	2.144190e-07	1.734104e-10	7.693422e-07	2.022248e-06
A01	1.451785e-07	1.173252e-10	5.209449e-07	1.369209e-06
A01	1.049787e-06	3.212816e-09	3.528543e-06	3.182386e-03
A01	1.116035e-06	3.421696e-09	3.751236e-06	4.502014e-03
A01	3.660541e-07	2.978744e-10	1.312582e-06	3.452612e-06
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	2.290819e-05	3.608761e-08	1.647884e-04	5.037496e-04
A03	5.652698e-07	5.320700e-09	1.230698e-06	1.892564e-06
B_nongas	1.881852e-04	7.712429e-09	3.751761e-04	5.379973e-04
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	2.123253e-07	1.135693e-09	6.128214e-06	2.785303e-06
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.695682e-05	8.231548e-09	6.298489e-05	3.082829e-04
B_nongas	3.141141e-05	2.300891e-09	8.310802e-05	1.805671e-04
B_nongas	1.739161e-07	5.432675e-12	3.204576e-07	3.028531e-07
C10-12	1.459470e-05	1.026021e-08	1.834790e-04	5.440028e-03
C10-12	3.018681e-06	2.629547e-09	1.369338e-04	4.711138e-03
C10-12	4.805419e-06	2.791541e-09	1.099283e-04	3.302162e-03
C10-12	6.520064e-06	4.295600e-10	2.691454e-04	8.410777e-03
C10-12	3.162719e-08	1.141897e-10	2.692055e-05	6.052896e-03
C10-12	1.176090e-05	1.748154e-08	3.491897e-04	1.126752e-02
C10-12	4.264343e-11	5.583914e-13	1.220870e-06	1.195082e-04
C10-12	4.789803e-07	1.046106e-09	2.903010e-05	4.442079e-03
C10-12	1.263734e-05	2.004308e-08	9.815565e-04	8.693745e-02
C10-12	5.997149e-06	9.573190e-09	3.492906e-04	3.944655e-02
C10-12	1.269152e-05	1.377368e-08	7.311499e-05	4.379681e-02
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	8.184808e-04	1.870714e-08	3.024688e-03	8.560715e-03
C13-15	8.366178e-06	4.497570e-09	6.414882e-05	2.659685e-04
C13-15	2.579741e-04	3.865139e-09	1.608092e-03	7.795425e-03

C16	1.038835e-03	2.801616e-07	4.950034e-03	1.562592e-02
C16	1.186545e-04	3.469088e-08	5.610704e-04	1.771406e-03
C17	1.739026e-06	6.552602e-10	9.051310e-06	2.989581e-05
C17	1.457533e-05	5.250890e-09	7.917749e-05	2.655041e-04
C17	7.011859e-05	1.033604e-08	2.268526e-04	5.687547e-04
C18	7.133743e-05	1.942754e-07	2.765419e-04	8.104285e-04
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.336260e-04	4.220312e-08	1.408194e-03	9.386470e-04
C20-21	1.097011e-06	3.286052e-09	4.761498e-06	3.236155e-02
C20-21	3.848931e-06	3.106515e-09	1.903343e-05	4.275735e-04
C20-21	4.983616e-05	6.520337e-11	8.749624e-05	6.195162e-05
C20-21	8.881409e-02	2.405041e-06	1.746180e-01	1.148272e-01
C20-21	2.808395e-02	6.923010e-07	5.090222e-02	3.626214e-02
C22	2.522617e-03	8.583977e-07	1.396279e-02	4.717935e-02
C23	1.375461e-05	2.942977e-09	3.900902e-05	7.816232e-05
C23	2.989102e-05	6.397266e-09	8.478281e-05	1.699176e-04
C23	8.603245e-05	1.720502e-08	1.817855e-04	1.922812e-04
C23	2.548762e-04	4.196972e-08	4.976296e-04	3.996332e-04
C23	1.281967e-03	1.933645e-07	2.606889e-03	2.519282e-03
C23	3.290399e-04	5.152672e-08	6.377403e-04	4.991486e-04
C23	8.425347e-04	1.092143e-07	2.425498e-03	4.953327e-03
C24	1.859230e-05	3.402185e-09	6.916690e-05	1.728017e-04
C24	1.096619e-04	2.371400e-08	5.187331e-04	1.482608e-03
C24	2.253992e-07	5.714958e-11	9.111353e-07	2.440900e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.802630e-04	2.156640e-08	1.488624e-03	1.971349e-03
C24	6.697956e-06	3.047035e-09	3.093183e-05	8.932544e-05
C24	5.067405e-06	1.175442e-09	2.049415e-05	5.409935e-05
C24	6.401750e-06	2.229154e-09	3.001659e-05	8.613615e-05
C24	1.746039e-05	5.244041e-09	7.889150e-05	2.213127e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.800763e-06	1.239626e-09	2.876564e-05	5.838486e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.673869e-05	1.934680e-08	4.236517e-04	1.226784e-03
C25_33	2.672518e-03	5.652426e-07	1.330309e-02	3.902278e-02
C25	1.241040e-03	1.248978e-07	4.405821e-03	9.026432e-03
C26	3.847996e-05	1.700356e-08	1.737031e-04	5.477198e-04
C27	6.870987e-03	1.729526e-06	2.868868e-02	8.540560e-02
C27	2.389654e-04	6.904614e-08	9.839162e-04	2.881526e-03
C28_32	2.125742e-04	5.305288e-08	9.060439e-04	2.667813e-03
C29	1.465549e-03	3.604857e-07	6.145370e-03	1.829718e-02
C30	6.269597e-05	1.405240e-08	3.219491e-04	9.594434e-04
C31	3.210266e-03	1.156253e-07	1.713674e-02	5.851694e-02
E37-39	9.748607e-07	8.362128e-09	2.749513e-06	7.205326e-06
E37-39	1.484314e-06	9.919137e-09	4.332245e-06	1.132639e-05
D35	3.552227e-05	2.941089e-08	1.271753e-04	3.248101e-04
D35	2.343491e-06	2.261991e-09	8.357422e-06	2.134571e-05

D35	2.649610e-05	2.528351e-08	9.451955e-05	2.414090e-04
D35	1.537104e-05	1.450819e-08	5.484926e-05	1.400879e-04
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.513918e-07	1.301780e-10	5.414205e-07	1.383067e-06
D35	1.499374e-06	1.321520e-09	5.359802e-06	1.368944e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.000110e-05	8.863891e-09	3.567500e-05	9.086220e-05
D35	1.115191e-04	9.520868e-08	4.030643e-04	1.046538e-03
D35	7.310513e-06	6.440696e-09	2.595439e-05	6.555517e-05
D35	4.870831e-05	4.237037e-08	1.741732e-04	4.448797e-04
E36	3.299565e-05	2.032109e-08	6.699693e-05	9.924268e-05
F	1.852805e-03	4.092770e-07	5.248656e-03	6.549946e-03
F	1.422472e-06	3.216757e-10	3.645033e-06	2.876475e-06
G45	1.585615e-04	2.075715e-06	3.697300e-04	9.506799e-04
G47	7.767008e-05	1.005886e-06	1.850078e-04	4.797792e-04
G46	1.688536e-03	2.893476e-06	1.144936e-02	2.444076e-01
G47	6.061263e-04	6.007263e-07	6.241856e-03	2.250831e-01
I	6.800090e-04	5.481600e-08	2.371616e-03	7.504403e-03
H49	8.565644e-03	1.611880e-04	1.532667e-02	3.825837e-02
H49	1.514642e-02	2.702920e-04	2.842276e-02	7.155244e-02
H49	2.475407e-05	3.949941e-07	5.092417e-05	1.287092e-04
H50	1.196239e-03	2.251344e-05	2.139814e-03	5.342871e-03
H50	4.635532e-06	8.742246e-08	8.275903e-06	2.065662e-05
H51	1.216350e-04	2.922371e-07	4.478910e-04	1.265644e-03
H52	8.227432e-03	1.348706e-04	1.649576e-02	4.198281e-02
H53	5.427827e-04	7.418030e-07	1.915132e-03	5.141269e-03
K64	9.540295e-04	1.322983e-06	3.377241e-03	9.332008e-03
K65	1.012832e-04	3.041350e-07	3.411160e-04	9.076345e-04
K66	6.160886e-06	7.865080e-09	2.337886e-05	5.231354e-05
L68	2.184141e-04	1.108612e-06	7.463213e-04	2.125440e-03
M_N	3.277302e-04	1.472996e-06	1.066846e-03	2.798706e-03
J62_63	1.640772e-05	8.851091e-09	6.464719e-05	1.835928e-04
M_N	2.108164e-05	1.542475e-08	6.361554e-04	1.792020e-02
M_N	2.842886e-03	2.537496e-06	1.033386e-02	2.820640e-02
O84	1.267089e-05	9.446802e-09	3.406743e-04	9.562267e-03
P85	3.290768e-05	9.679606e-08	4.235861e-04	1.020070e-02
M_N	7.399479e-05	1.197404e-08	1.762200e-04	6.645304e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.538632e-10	4.070503e-14	8.608772e-10	2.120137e-09
E37-39	4.072288e-08	2.471897e-12	1.749663e-07	1.547097e-06
E37-39	4.649937e-05	5.196316e-09	1.397549e-04	1.886814e-03
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.658573e-08	7.983126e-12	1.574267e-07	3.557212e-06
E37-39	3.638457e-07	4.264124e-10	6.585577e-06	1.744530e-04

	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.530243e-07	1.682647e-10	2.874767e-06	7.672753e-05
	E37-39	3.956588e-07	4.121018e-10	4.756898e-06	1.119817e-04
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	6.316589e-07	6.019530e-10	1.196532e-05	3.196525e-04
	E37-39	1.007646e-06	9.554394e-10	1.916349e-05	5.123550e-04
	E37-39	2.017755e-06	2.508819e-09	3.791268e-05	1.012833e-03
	E37-39	1.418919e-06	1.770084e-09	2.662062e-05	7.109582e-04
	E37-39	1.452400e-07	1.113453e-10	2.824810e-06	7.543639e-05
	E37-39	2.355118e-06	6.159381e-09	4.051672e-05	1.071416e-03
	E37-39	2.843209e-07	3.141059e-10	5.402950e-06	1.442643e-04
	E37-39	3.820110e-07	4.138610e-10	7.191196e-06	1.920104e-04
	R_S	2.035031e-06	8.677194e-10	7.537130e-06	2.068711e-05
	R_S	6.174345e-05	1.666881e-07	2.149793e-04	7.071536e-04
	R_S	3.971712e-06	5.867473e-09	1.402173e-05	3.983343e-05
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
SK	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.550706e-10	1.392126e-13	2.485472e-04	7.777549e-02
	A01	4.624518e-10	4.151716e-13	1.024026e-04	1.578252e-01
	A01	3.514802e-10	3.155414e-13	1.255829e-09	1.398621e-04
	A01	2.490806e-11	2.236075e-14	8.899574e-11	2.394719e-10
	A01	9.583859e-01	6.542663e-05	8.027566e-04	4.961586e-03
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	5.002584e-05	2.565306e-08	1.316852e-03	5.166096e-02
	A01	1.048830e-10	9.415288e-14	3.747433e-10	1.008369e-09
	A01	5.177064e-10	4.647639e-13	1.849749e-09	4.977351e-09
	A01	3.927191e-10	3.525504e-13	1.403172e-09	3.775692e-09
	A01	9.691302e-06	7.860947e-08	7.370762e-05	3.613693e-03
	A01	7.720937e-06	7.043444e-08	4.991289e-05	2.749961e-03
	A01	1.081754e-09	9.711265e-13	3.865074e-09	1.040024e-08
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	1.274775e-05	1.457406e-07	6.033293e-04	1.766369e-02
	A03	1.314469e-07	2.341552e-09	2.435269e-07	6.128799e-07
	B_nongas	1.698039e-05	1.924324e-07	4.221783e-05	2.461369e-04
	B_nongas	1.443361e-09	2.108174e-11	9.239838e-08	2.860712e-06
	B_gas	6.988312e-09	1.039003e-10	1.987119e-06	6.289812e-05
	B_gas	4.367717e-09	6.501795e-11	4.382208e-06	1.393215e-04
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	8.784922e-08	1.326798e-09	1.744717e-07	3.794214e-07
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	6.732671e-08	1.016815e-09	7.287323e-07	1.924058e-05
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.188823e-05	4.127140e-08	5.718987e-05	3.874229e-04
B_nongas	1.314232e-05	1.067002e-07	4.803788e-05	2.907118e-04
B_nongas	1.360795e-04	3.236777e-08	5.785981e-04	1.785689e-03
C10-12	2.126762e-06	2.593451e-08	2.109177e-05	2.467222e-03
C10-12	7.849616e-06	9.405685e-08	1.225401e-04	5.628285e-03
C10-12	4.690121e-06	5.471865e-08	2.160302e-04	8.056441e-03
C10-12	3.207730e-07	3.274794e-09	2.108247e-04	7.468824e-03
C10-12	4.818365e-07	5.641257e-09	1.869834e-05	4.393043e-02
C10-12	1.361166e-05	1.469708e-07	6.280644e-04	3.039140e-02
C10-12	1.953140e-09	1.532471e-11	1.138294e-06	3.515947e-04
C10-12	2.156399e-06	2.601279e-08	7.704502e-05	4.561490e-02
C10-12	2.024414e-05	2.298940e-07	1.117804e-03	3.279435e-01
C10-12	9.100025e-06	1.050114e-07	8.110338e-04	2.065711e-01
C10-12	4.665996e-05	1.670226e-07	1.221540e-04	6.550118e-02
C10-12	1.053127e-05	1.203133e-06	2.387766e-04	6.639155e-05
C13-15	2.703083e-04	3.309548e-08	1.888162e-03	7.429560e-03
C13-15	1.056899e-04	2.355035e-08	2.416414e-04	9.292423e-04
C13-15	1.247829e-03	3.399041e-09	7.864156e-03	2.885825e-02
C16	8.506825e-04	3.394073e-07	4.934217e-03	1.204500e-02
C16	4.670758e-04	1.911256e-07	2.792497e-03	6.654879e-03
C17	5.217352e-02	3.613511e-06	4.000329e-04	1.055983e-03
C17	6.911016e-05	1.942237e-08	1.006962e-04	1.647007e-04
C17	5.797775e-04	6.121083e-08	2.306819e-03	7.083060e-03
C18	1.180654e-04	1.026227e-07	4.606179e-04	1.296894e-03
C19	6.739248e-07	3.163158e-10	1.275549e-06	1.230553e-06
C19	1.315982e-01	1.135740e-05	2.186471e+00	1.444528e+00
C24	4.482425e-11	6.899569e-13	8.216470e-11	2.094075e-10
C20-21	7.582079e-03	1.117973e-06	1.244583e-01	8.633691e-02
C20-21	1.526159e-03	2.193725e-07	2.507776e-02	1.737414e-02
C20-21	3.937397e-04	1.130019e-10	7.024163e-04	4.344031e-04
C20-21	9.958131e-07	1.431282e-10	1.643391e-05	1.100737e-05
C20-21	4.071498e-06	5.230940e-10	6.124288e-05	4.110423e-05
C22	2.728118e-03	9.615904e-07	1.506919e-02	5.081196e-02
C23	1.787299e-04	7.145478e-08	7.797673e-04	2.311968e-03
C23	2.294362e-05	1.328852e-08	1.007204e-04	2.944754e-04
C23	2.368720e-05	4.120806e-08	1.039118e-04	3.086011e-04
C23	1.466031e-05	7.499811e-08	5.997279e-05	1.539548e-04
C23	8.631900e-05	8.698152e-07	3.714901e-04	6.635627e-04
C23	1.467949e-05	7.611144e-08	5.566218e-05	1.552563e-04
C23	6.378573e-05	5.257362e-08	2.952617e-04	8.988862e-04
C24	3.829441e-04	7.630238e-08	5.664469e-03	4.257811e-03
C24	7.025312e-05	1.483440e-08	1.024437e-03	7.800708e-04
C24	4.658244e-05	6.544025e-09	5.186703e-04	5.519727e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.129366e-04	6.735275e-08	4.499837e-03	3.514438e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.437271e-04	3.214491e-08	1.912466e-03	1.630373e-03

C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.933833e-04	6.312014e-08	4.209499e-03	3.296854e-03
C24	3.079567e-05	4.190814e-09	2.571886e-04	3.652466e-04
C24	1.525900e-05	3.285100e-09	2.255784e-04	1.691374e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.572002e-04	5.448759e-08	3.713647e-03	2.866559e-03
C25_33	3.954004e-03	1.186292e-06	1.477284e-02	4.380556e-02
C25	1.058874e-03	7.262769e-07	3.919525e-03	7.948314e-03
C26	3.345996e-04	6.800333e-08	1.518714e-03	4.882300e-03
C27	1.276083e-02	3.324601e-06	5.287742e-02	1.575666e-01
C27	2.560157e-04	6.053654e-08	1.216525e-03	4.335158e-03
C28_32	1.230252e-04	2.996328e-07	5.561050e-04	1.758754e-03
C29	4.649698e-04	4.000195e-07	1.049787e-03	3.458301e-03
C30	1.071220e-04	2.607447e-08	4.643774e-04	1.406429e-03
C31	5.815651e-03	1.603618e-07	3.119908e-02	1.071941e-01
E37-39	4.813681e-06	1.328722e-08	1.816515e-05	5.176447e-05
E37-39	6.710653e-06	4.529826e-09	3.585665e-05	1.198573e-04
D35	8.510353e-06	4.447189e-08	3.844212e-05	7.401454e-05
D35	8.605397e-06	4.797923e-08	3.219917e-05	7.361159e-05
D35	2.173216e-05	1.257311e-07	6.921834e-05	1.830115e-04
D35	6.065905e-06	3.523260e-08	1.939119e-05	5.120807e-05
D35	2.763508e-08	5.830178e-11	3.291337e-07	2.767020e-07
D35	2.504867e-06	1.400292e-08	9.286307e-06	2.138911e-05
D35	1.164280e-06	4.502804e-09	9.013081e-06	1.083683e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.017962e-06	5.827690e-09	3.452218e-06	8.636004e-06
D35	1.249364e-05	6.513925e-08	5.732813e-05	1.087761e-04
D35	2.556721e-05	1.301068e-07	1.270366e-04	2.241997e-04
D35	2.805065e-05	1.444225e-07	1.425843e-04	2.459470e-04
D35	5.729028e-06	1.954813e-08	5.044474e-05	5.465706e-05
E36	1.397321e-04	4.761380e-07	2.561111e-04	4.059405e-04
F	2.069190e-03	2.480208e-06	7.891884e-03	1.534346e-02
F	2.569862e-07	3.410055e-10	9.638796e-07	1.757950e-06
G45	6.704989e-05	9.190180e-07	1.512621e-04	3.934774e-04
G47	1.689425e-05	2.197662e-07	4.005103e-05	1.045583e-04
G46	3.755838e-03	5.834937e-06	3.830848e-02	2.701762e-01
G47	9.346166e-04	6.746005e-06	5.210347e-03	1.126980e-02
I	2.994808e-04	1.605797e-07	8.390655e-04	4.833668e-03
H49	6.117701e-03	1.131539e-04	1.115269e-02	2.940160e-02
H49	1.713819e-02	3.059971e-04	3.214532e-02	8.145814e-02
H49	1.340167e-04	2.045467e-06	2.822398e-04	8.707459e-04
H50	3.443971e-04	6.224752e-06	6.392278e-04	1.606339e-03
H50	1.689553e-05	3.019601e-07	3.166857e-05	7.971204e-05
H51	2.361764e-04	2.770166e-06	6.198420e-04	1.708843e-03
H52	9.316520e-03	1.461163e-04	1.939566e-02	5.000788e-02

	H53	2.507892e-04	9.312173e-07	8.275348e-04	2.213519e-03
	K64	1.799598e-03	1.879220e-06	6.265508e-03	1.702487e-02
	K65	5.181089e-05	1.555921e-07	1.744957e-04	4.642939e-04
	K66	2.187379e-05	2.059451e-08	8.196856e-05	1.916326e-04
	L68	4.677528e-04	4.142247e-07	1.378053e-03	3.256521e-03
	M_N	1.171435e-03	4.345339e-06	4.275928e-03	1.213838e-02
	J62_63	9.116563e-05	4.689917e-08	3.928141e-04	1.189105e-03
	M_N	4.840785e-05	7.111775e-08	3.100506e-04	5.415457e-03
	M_N	4.796136e-03	5.574086e-06	1.854807e-02	8.820258e-02
	O84	3.939214e-05	5.823129e-08	2.367692e-04	4.050974e-03
	P85	1.853365e-05	2.011613e-08	1.090214e-04	1.886839e-03
	M_N	2.431500e-05	1.479131e-07	6.672742e-05	8.448648e-04
	E37-39	5.722848e-06	5.411972e-08	4.274320e-05	1.105365e-04
	E37-39	4.926528e-06	4.521586e-08	3.624312e-05	9.385160e-05
	E37-39	1.436961e-06	7.335363e-09	4.729370e-06	2.152085e-05
	E37-39	6.103785e-04	2.883571e-07	1.201962e-03	1.703529e-03
	E37-39	6.715285e-07	8.912010e-09	1.807063e-06	1.520204e-05
	E37-39	1.413972e-06	2.050477e-08	3.679646e-06	3.363258e-05
	E37-39	7.457960e-06	7.221866e-08	5.638332e-05	1.456587e-04
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.675949e-05	1.633029e-07	1.271118e-04	3.282849e-04
	E37-39	1.955542e-05	1.675411e-07	1.390686e-04	3.612356e-04
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.360916e-05	1.304779e-07	1.023595e-04	2.645438e-04
	E37-39	2.143976e-05	2.076494e-07	1.621048e-04	4.187748e-04
	E37-39	3.554194e-05	3.449603e-07	2.690870e-04	6.951646e-04
	E37-39	2.090087e-05	2.031531e-07	1.583154e-04	4.089090e-04
	E37-39	1.383316e-06	2.106422e-08	3.833249e-06	3.468941e-05
	E37-39	1.159229e-04	1.070914e-06	9.281279e-04	2.365060e-03
	E37-39	4.301677e-06	4.215147e-08	3.306762e-05	8.545254e-05
	E37-39	5.469362e-06	5.233834e-08	4.109384e-05	1.062074e-04
	R_S	4.899368e-05	3.254821e-07	2.381722e-04	3.801691e-03
	R_S	7.347841e-04	3.884880e-07	3.633786e-03	1.219554e-02
	R_S	2.877704e-05	7.740303e-08	1.305113e-04	4.298894e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
GB	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.206720e-09	2.550525e-13	1.019020e-03	3.245323e-02
	A01	3.809458e-10	8.051678e-14	1.474801e-04	4.904240e-03
	A01	5.492304e-10	1.160854e-13	2.347647e-09	6.218660e-05
	A01	4.373694e-10	9.304576e-14	1.865064e-09	5.656380e-09
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.572354e-06	1.150670e-09	1.776624e-02	5.656423e-01
	A01	5.274344e-10	1.122062e-13	2.249127e-09	6.821167e-09
	A01	3.174569e-10	6.753564e-14	1.353724e-09	4.105585e-09
	A01	4.516953e-10	9.507308e-14	1.933664e-09	5.879236e-09

A01	2.455825e-06	1.559865e-09	9.397712e-06	2.601077e-05
A01	4.427778e-07	3.342957e-10	1.638963e-06	4.394242e-06
A01	2.026151e-09	4.282476e-13	8.660639e-09	2.630660e-08
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	1.053534e-06	3.138148e-10	3.396659e-05	9.549031e-04
A03	1.950643e-07	1.540332e-09	5.461103e-07	1.412026e-06
B_nongas	1.029712e-06	6.370922e-09	3.170847e-06	8.296797e-06
B_nongas	6.939715e-05	3.576329e-07	2.205614e-04	5.698423e-04
B_gas	1.806053e-04	9.212766e-07	5.813647e-04	1.487262e-03
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	7.433948e-12	5.818374e-15	2.718805e-11	1.160623e-09
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.673523e-09	4.621892e-12	5.805020e-09	1.677873e-05
B_nongas	1.337214e-10	3.661687e-13	4.745637e-10	1.003031e-07
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.842068e-06	3.621899e-09	7.569867e-06	2.980313e-02
B_nongas	5.402965e-07	1.482776e-09	2.109831e-06	9.050251e-03
B_nongas	5.600743e-06	1.427543e-08	2.171014e-05	1.156323e-01
C10-12	9.415979e-07	4.745652e-09	2.931737e-06	1.006758e-02
C10-12	2.251208e-07	1.796838e-09	6.482334e-07	6.116602e-03
C10-12	1.094883e-06	8.486326e-09	3.196642e-06	8.143207e-04
C10-12	4.669475e-07	3.624650e-09	1.355896e-06	1.177016e-03
C10-12	9.907490e-08	7.544932e-10	2.856094e-07	4.021214e-03
C10-12	2.588839e-05	1.009270e-08	1.087618e-04	7.376018e-03
C10-12	3.360656e-10	3.626889e-12	8.322726e-10	1.227820e-03
C10-12	1.911514e-07	2.680695e-09	3.808320e-07	1.223343e-05
C10-12	7.650706e-05	2.018802e-08	3.309342e-04	2.351513e-01
C10-12	2.713838e-05	9.395511e-09	1.142292e-04	8.826305e-02
C10-12	1.559022e-05	6.756758e-09	6.698592e-05	3.736598e-02
C10-12	1.479519e-05	1.036898e-06	2.204346e-04	5.640694e-05
C13-15	3.193132e-04	8.458811e-09	2.205975e-03	8.619146e-03
C13-15	1.396160e-05	5.084134e-09	1.026867e-04	4.083236e-04
C13-15	1.593955e-04	1.135617e-08	9.617300e-04	3.459235e-03
C16	4.550290e-05	2.360706e-08	2.176722e-04	8.199869e-03
C16	2.850418e-05	1.476878e-08	1.365615e-04	5.076263e-03
C17	2.351788e-06	1.427573e-09	1.188355e-05	3.908789e-05
C17	3.490336e-05	8.669591e-09	1.907949e-04	6.531047e-04
C17	6.006601e-04	1.815698e-08	2.424036e-03	7.211037e-03
C18	5.514316e-04	2.768505e-07	2.259302e-03	6.521289e-03
C19	4.581980e-10	6.535687e-12	8.947284e-10	2.300107e-09
C19	5.274986e-04	4.110445e-08	8.730944e-03	5.754709e-03
C24	4.091596e-09	5.836208e-11	7.989705e-09	2.053939e-08
C20-21	1.601060e-04	7.940657e-08	1.145047e-03	3.386821e-03

C20-21	2.747048e-05	1.865025e-08	2.017224e-04	5.109810e-04
C20-21	1.824682e-08	1.576306e-11	1.103776e-07	3.670452e-07
C20-21	3.124857e-07	3.446817e-10	1.871802e-06	6.198176e-06
C20-21	3.504891e-05	1.447636e-08	2.088256e-04	4.791494e-04
C22	2.772675e-03	9.078079e-07	1.514516e-02	5.094572e-02
C23	5.188190e-04	1.205558e-07	2.272258e-03	6.793472e-03
C23	2.242812e-04	5.215853e-08	9.822928e-04	2.937138e-03
C23	1.978971e-05	3.192239e-09	9.177321e-05	2.943177e-04
C23	3.330421e-06	2.653724e-09	1.524166e-05	5.697475e-05
C23	3.018827e-05	1.633366e-08	1.411908e-04	5.177132e-04
C23	7.778421e-06	6.358255e-09	3.560446e-05	1.333522e-04
C23	5.580473e-04	6.505846e-09	2.644860e-03	8.235365e-03
C24	2.317887e-05	1.164620e-08	1.075354e-04	3.379969e-04
C24	8.246836e-06	4.710011e-09	3.769016e-05	1.176900e-04
C24	5.538987e-06	2.693498e-09	2.538654e-05	7.813967e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.387731e-05	6.554642e-09	6.426099e-05	2.007529e-04
C24	2.282269e-05	9.183980e-09	1.081942e-04	3.429246e-04
C24	1.337317e-05	2.962760e-09	6.606551e-05	2.132184e-04
C24	2.602846e-06	1.836593e-09	1.180806e-05	3.681557e-05
C24	1.306793e-05	6.336734e-09	6.049307e-05	1.892331e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.230273e-05	7.044573e-09	5.625050e-05	1.756649e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.482563e-05	1.531769e-08	2.111422e-04	6.673177e-04
C25_33	5.102658e-03	9.419448e-07	2.259027e-02	6.907695e-02
C25	5.039342e-03	1.159296e-06	2.145345e-02	6.390341e-02
C26	1.820906e-04	1.706795e-08	8.500235e-04	2.601425e-03
C27	4.764622e-03	1.144078e-06	1.983440e-02	5.861457e-02
C27	2.809847e-04	4.099123e-08	1.337354e-03	4.264789e-03
C28_32	3.784941e-04	4.408015e-08	1.780837e-03	5.257823e-03
C29	1.641591e-03	1.620661e-07	7.827331e-03	2.400868e-02
C30	2.975090e-03	5.417303e-07	1.329704e-02	4.077547e-02
C31	2.533249e-03	6.135706e-08	1.339261e-02	4.504491e-02
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	4.630538e-09	1.007301e-12	2.297783e-08	8.110055e-08
D35	2.438328e-06	6.089017e-09	8.451806e-06	2.198266e-05
D35	3.279243e-05	9.232546e-08	1.119683e-04	2.890010e-04
D35	1.305944e-06	8.046927e-09	4.033546e-06	1.047591e-05
D35	1.634311e-07	6.207430e-10	5.428017e-07	1.405729e-06
D35	1.583223e-07	5.798124e-10	5.306568e-07	1.383268e-06
D35	9.700963e-07	3.745724e-09	3.204307e-06	8.261128e-06
D35	3.207536e-07	1.212735e-09	1.065095e-06	2.756916e-06
D35	3.191629e-10	1.171169e-12	1.096977e-09	2.950425e-09
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.495498e-07	5.691856e-10	4.963310e-07	1.284412e-06

D35	8.672863e-06	2.684974e-08	2.952849e-05	7.676518e-05
D35	3.108752e-05	8.630298e-08	1.069404e-04	2.784395e-04
D35	1.646697e-05	4.314244e-08	5.653803e-05	1.459161e-04
D35	1.322795e-07	5.005409e-10	4.395030e-07	1.138111e-06
E36	4.639644e-06	2.056541e-08	1.371292e-05	3.008969e-05
F	1.282684e-03	2.069369e-07	3.139288e-03	1.674371e-03
F	1.648439e-06	2.911921e-10	4.044730e-06	2.233257e-06
G45	4.511449e-05	1.475357e-08	1.236406e-04	3.074261e-04
G47	2.591991e-05	2.078249e-07	7.100041e-05	1.841182e-04
G46	1.188581e-03	9.403798e-06	3.272113e-03	8.486619e-03
G47	2.553810e-04	2.905323e-07	8.809937e-04	2.316319e-03
I	5.790502e-04	9.185500e-09	2.019487e-03	5.462957e-03
H49	1.149639e-03	2.159096e-05	2.061658e-03	5.146500e-03
H49	3.708198e-03	6.615251e-05	6.962333e-03	1.752251e-02
H49	1.391225e-06	1.444418e-08	3.676631e-06	9.426311e-06
H50	5.183171e-04	9.749568e-06	9.269823e-04	2.308691e-03
H50	5.061423e-06	9.501619e-08	9.070851e-06	2.260614e-05
H51	4.446817e-04	3.336931e-06	1.241179e-03	3.293560e-03
H52	1.777940e-03	2.716931e-05	3.732656e-03	9.481170e-03
H53	7.946890e-04	6.427396e-07	2.830304e-03	7.412385e-03
K64	7.811053e-03	8.151768e-06	2.719139e-02	7.391526e-02
K65	3.611332e-04	1.072134e-06	1.217451e-03	3.239914e-03
K66	1.040289e-04	8.025940e-08	3.864102e-04	9.805889e-04
L68	1.398472e-04	1.274369e-07	4.983743e-04	1.339388e-03
M_N	5.865947e-04	4.742070e-07	2.137931e-03	5.631507e-03
J62_63	1.501371e-03	5.980654e-07	6.254356e-03	1.851893e-02
M_N	7.286585e-05	5.653014e-08	2.659945e-04	6.992109e-04
M_N	1.667414e-02	1.329482e-05	6.093113e-02	1.598783e-01
O84	1.098509e-06	0.000000e+00	3.803069e-06	1.033844e-05
P85	1.332393e-05	3.462691e-09	4.782051e-05	1.302052e-04
M_N	6.660310e-07	4.688934e-10	2.413516e-06	6.389004e-06
E37-39	1.166250e-06	7.369094e-09	3.586144e-06	9.384903e-06
E37-39	8.967047e-07	5.529628e-09	2.771348e-06	7.284913e-06
E37-39	3.021056e-07	9.445582e-10	1.016621e-06	2.806838e-06
E37-39	1.126409e-04	1.832943e-08	1.922092e-04	2.302353e-04
E37-39	1.973499e-07	1.178906e-09	6.090519e-07	1.605216e-06
E37-39	2.305033e-07	1.612821e-09	6.884545e-07	1.801885e-06
E37-39	1.217409e-06	1.190441e-08	3.328990e-06	8.689356e-06
E37-39	9.655405e-08	7.242682e-10	2.826742e-07	7.405502e-07
E37-39	1.216707e-08	1.057273e-10	6.944436e-08	1.875870e-07
E37-39	3.752797e-06	1.410088e-08	1.269577e-05	3.367630e-05
E37-39	9.304664e-06	5.446323e-08	2.925476e-05	7.778658e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.454163e-06	5.755378e-09	4.889583e-06	1.304624e-05
E37-39	4.445676e-06	1.071151e-08	1.639096e-05	4.591337e-05
E37-39	4.428299e-06	1.497868e-08	1.519874e-05	4.045706e-05
E37-39	4.295449e-06	1.485190e-08	1.470882e-05	3.916547e-05
E37-39	1.756431e-06	9.061009e-09	6.433271e-06	1.688616e-05

	E37-39	4.520230e-06	1.500280e-08	1.540127e-05	4.092841e-05
	E37-39	7.447663e-07	3.348250e-09	2.611097e-06	6.901260e-06
	E37-39	1.451458e-06	6.710691e-09	4.744175e-06	1.254269e-05
	R_S	7.447178e-06	5.982930e-09	2.693027e-05	7.010626e-05
	R_S	2.453851e-04	1.061390e-07	8.813758e-04	2.357884e-03
	R_S	2.207289e-05	1.034775e-08	7.666823e-05	2.010150e-04
	T	3.739474e-07	3.031054e-10	1.363125e-06	3.594199e-06
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
US	A01	4.357771e-09	0.000000e+00	6.576665e-07	2.049692e-05
	A01	2.331406e-08	0.000000e+00	2.894009e-06	8.976945e-05
	A01	1.678858e-07	0.000000e+00	2.084334e-05	3.937914e-03
	A01	7.232968e-08	0.000000e+00	8.615329e-06	3.724924e-04
	A01	6.794520e-08	0.000000e+00	8.178305e-06	2.534714e-04
	A01	1.255818e-08	0.000000e+00	1.691260e-06	5.257101e-05
	A01	7.499228e-08	0.000000e+00	3.559904e-06	1.056615e-04
	A01	2.394608e-08	1.260730e-12	1.588522e-03	5.058793e-02
	A01	2.485045e-07	0.000000e+00	1.937335e-05	5.914365e-04
	A01	6.163007e-08	0.000000e+00	6.948577e-06	2.149532e-04
	A01	1.826666e-08	0.000000e+00	3.307732e-06	1.034647e-04
	A01	2.497155e-09	0.000000e+00	3.420776e-07	1.063730e-05
	A01	4.674362e-10	0.000000e+00	6.403264e-08	1.991170e-06
	A01	8.489325e-09	0.000000e+00	2.572670e-07	7.320212e-06
	A01	1.344605e-10	0.000000e+00	1.841933e-08	5.727706e-07
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0.000000e+00	0.000000e+00	1.572308e-07	5.435281e-07
	A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	6.197882e-04	1.555872e-08	1.344392e-03	1.134380e-03
	B_gas	1.233041e-03	3.096026e-08	2.674694e-03	2.254877e-03
	B_gas	4.469929e-05	1.112238e-09	9.494753e-05	8.053299e-05
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.956931e-07	0.000000e+00	9.618924e-07	3.162193e-06
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	2.734575e-05	0.000000e+00	1.343164e-04	4.410888e-04
	B_nongas	1.694923e-06	0.000000e+00	8.274606e-06	2.688609e-05
	B_nongas	2.067342e-03	2.943349e-08	5.748768e-03	1.215959e-02
	C10-12	2.469247e-06	0.000000e+00	1.162662e-05	7.418395e-04
	C10-12	1.447101e-06	0.000000e+00	7.117838e-06	3.821391e-04
	C10-12	6.605547e-07	0.000000e+00	4.167292e-06	1.189612e-04
	C10-12	2.074839e-06	0.000000e+00	1.148645e-05	3.252746e-04
	C10-12	1.212640e-04	2.857836e-09	2.178238e-04	1.803012e-03
	C10-12	3.429948e-04	8.082949e-09	6.161972e-04	1.378917e-03

C10-12	6.052431e-07	1.425335e-11	1.089186e-06	9.416323e-07
C10-12	9.802890e-09	0.000000e+00	6.186957e-08	9.105286e-04
C10-12	3.515102e-03	8.292839e-08	6.313662e-03	9.544030e-02
C10-12	2.076912e-08	0.000000e+00	1.310841e-07	4.535195e-02
C10-12	1.344147e-08	0.000000e+00	8.477938e-08	6.674710e-02
C10-12	5.195050e-06	2.819150e-07	7.472254e-05	8.634532e-05
C13-15	8.039135e-03	1.882907e-07	1.479451e-02	1.083356e-02
C13-15	2.794533e-06	0.000000e+00	1.928139e-05	7.385246e-05
C13-15	3.232427e-04	0.000000e+00	2.038508e-03	7.482394e-03
C16	2.396460e-04	1.395362e-08	6.829070e-04	1.373546e-03
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.937837e-05	4.567440e-10	3.479881e-05	2.177036e-05
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	3.502845e-03	7.783930e-08	7.397417e-03	9.311829e-03
C18	3.073013e-04	2.325686e-07	1.147812e-03	3.075167e-03
C19	1.433601e-08	3.378967e-13	2.574397e-08	1.610559e-08
C19	4.604262e-03	1.212325e-07	1.124890e-02	7.156454e-03
C24	0.000000e+00	0.000000e+00	4.049349e-15	4.014548e-15
C20-21	9.927984e-03	2.348095e-07	1.784092e-02	1.119940e-02
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	3.762701e-04	1.531777e-11	6.601961e-04	4.076572e-04
C20-21	5.208167e-02	1.406749e-06	1.023106e-01	6.716416e-02
C20-21	5.038990e-01	1.188289e-05	9.052151e-01	5.673334e-01
C22	4.307251e-03	5.364497e-07	1.295003e-02	2.930087e-02
C23	5.450295e-04	1.209617e-07	2.386685e-03	7.105996e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.011740e-04	4.427114e-09	5.240065e-04	9.783223e-04
C23	1.065130e-06	0.000000e+00	5.050475e-06	1.568060e-05
C23	2.466444e-05	3.461887e-10	7.102230e-05	1.544372e-04
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	4.091314e-04	2.940366e-09	1.597966e-03	4.462754e-03
C24	2.090158e-05	4.811951e-09	8.774489e-05	2.617647e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.472221e-04	6.845930e-09	4.550572e-04	3.304623e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.765278e-04	8.950078e-09	6.781168e-04	4.318747e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.996623e-05	1.062876e-09	7.308786e-05	5.115630e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.845541e-05	4.220281e-09	1.664208e-04	2.098568e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.514428e-05	1.794765e-09	1.198114e-04	8.660827e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.643317e-07	7.012715e-11	2.240788e-06	4.452454e-06
C25_33	1.297314e-03	1.118142e-07	3.770104e-03	7.524948e-03
C25	2.435218e-03	7.951509e-08	5.652937e-03	4.038577e-03
C26	7.956258e-04	1.023077e-08	3.219635e-03	9.584746e-03
C27	1.133689e-02	2.737394e-06	4.695121e-02	1.395777e-01

C27	2.067317e-04	3.491644e-08	9.318175e-04	2.911939e-03
C28_32	4.141578e-03	5.986704e-08	1.659414e-02	4.921327e-02
C29	8.590625e-04	3.735222e-08	1.843744e-03	2.348670e-03
C30	1.800923e-03	5.497236e-08	3.478942e-03	3.143729e-03
C31	7.894638e-03	3.630436e-08	4.021843e-02	1.350039e-01
E37-39	1.020946e-03	2.515752e-08	1.886816e-03	1.392329e-03
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
F	1.561057e-04	2.146202e-08	3.774514e-04	1.713212e-04
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.089901e-05	0.000000e+00	2.270926e-05	5.857596e-05
G47	1.000428e-05	9.019323e-08	2.645619e-05	6.950324e-05
G46	4.498580e-04	6.696598e-06	8.488706e-04	2.172200e-03
G47	6.361818e-06	9.792422e-08	1.166147e-05	2.972079e-05
I	5.812075e-04	3.663836e-10	2.029703e-03	5.515899e-03
H49	6.762787e-04	1.277337e-05	1.205667e-03	3.008560e-03
H49	2.330793e-03	4.181970e-05	4.352466e-03	1.095141e-02
H49	3.110909e-06	5.890711e-08	5.532779e-06	1.380009e-05
H50	2.725787e-04	5.161015e-06	4.848228e-04	1.209283e-03
H50	9.402090e-07	1.778983e-08	1.673383e-06	4.174382e-06
H51	1.506152e-04	1.142224e-06	4.197093e-04	1.116868e-03
H52	1.211266e-03	1.995392e-05	2.419481e-03	6.157053e-03
H53	9.471635e-04	8.366645e-07	3.394095e-03	9.104436e-03
K64	8.389760e-03	8.753823e-06	2.920754e-02	7.939309e-02
K65	1.348674e-04	4.050172e-07	4.542247e-04	1.208590e-03
K66	1.516466e-06	0.000000e+00	9.391580e-06	3.519198e-06
L68	5.578197e-05	5.236512e-08	1.976904e-04	5.346550e-04
M_N	2.325247e-04	1.887886e-07	8.476745e-04	2.234783e-03
J62_63	5.347734e-05	3.363374e-08	1.932959e-04	5.112601e-04
M_N	1.535748e-05	7.810879e-09	5.511087e-05	1.465236e-04
M_N	1.371437e-02	1.095162e-05	5.014326e-02	1.316879e-01
O84	2.319418e-05	7.294101e-09	1.112232e-04	1.122592e-03

	P85	8.264680e-07	0.000000e+00	2.867244e-06	7.795182e-06
	M_N	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	2.490087e-10	2.337561e-13	8.824824e-10	2.386683e-09
	R_S	5.922470e-04	2.801380e-07	2.136351e-03	5.724897e-03
	R_S	2.819844e-06	1.266640e-13	9.750663e-06	2.650394e-05
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
JP	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	1.660349e-07
	A01	0.000000e+00	0.000000e+00	0.000000e+00	1.119482e-10
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	2.338552e-04	7.447733e-03
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
		A02	0.000000e+00	0.000000e+00	3.912183e-09
	A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	3.930891e-08	0.000000e+00	1.936056e-07	6.371652e-07
B_nongas	3.600271e-07	0.000000e+00	1.773218e-06	5.835744e-06
B_nongas	7.205937e-05	0.000000e+00	3.086625e-04	9.469284e-04
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	1.285973e-04
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	2.977662e-05
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	4.856272e-03
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	3.953324e-03
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	2.125435e-03
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	2.296555e-05	0.000000e+00	1.619171e-04	6.390175e-04
C13-15	4.936300e-08	0.000000e+00	5.076019e-07	2.226704e-06
C13-15	4.058633e-06	0.000000e+00	2.559548e-05	9.394884e-05
C16	8.578479e-07	2.387138e-10	4.021855e-06	1.271197e-05
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.601497e-05	0.000000e+00	1.009134e-04	2.932525e-04
C18	3.775846e-07	0.000000e+00	1.791289e-06	5.767490e-06
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	1.212366e-04	1.102366e-08	2.012762e-03	1.328996e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	3.349097e-08	3.320315e-08
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	4.845641e-02	1.142107e-06	8.701585e-02	5.443767e-02
C22	3.951114e-04	1.367375e-07	2.201873e-03	7.444867e-03
C23	9.416209e-05	2.090807e-08	4.120787e-04	1.226243e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	3.678230e-06	0.000000e+00	1.711443e-05	5.262428e-05
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	7.421722e-10	0.000000e+00	3.935005e-09	1.288968e-08

A01	0.000000e+00	0.000000e+00	0.000000e+00	3.778600e-05
A01	0.000000e+00	0.000000e+00	0.000000e+00	8.107095e-05
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	7.190625e-03	2.290044e-01
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0.000000e+00	0.000000e+00	2.878894e-07	8.630384e-07
A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	6.647863e-06	0.000000e+00	3.267558e-05	1.074187e-04
B_nongas	1.012036e-06	0.000000e+00	4.984515e-06	1.640427e-05
B_nongas	6.275839e-03	0.000000e+00	2.688222e-02	8.247046e-02
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	3.633133e-04
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	6.417674e-05
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	6.952767e-05
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	9.884513e-02
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	6.593651e-03
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	8.572980e-02
C10-12	3.899556e-07	5.781375e-08	1.106425e-05	2.072722e-06
C13-15	6.678880e-04	0.000000e+00	4.708902e-03	1.858402e-02
C13-15	2.992318e-05	0.000000e+00	3.077014e-04	1.349798e-03
C13-15	3.572478e-03	0.000000e+00	2.252958e-02	8.269536e-02
C16	2.964116e-04	8.248261e-08	1.389669e-03	4.392359e-03

C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.627452e-04	0.000000e+00	1.019202e-03	2.961783e-03
C18	9.166285e-06	0.000000e+00	4.348551e-05	1.400122e-04
C19	3.367948e-08	0.000000e+00	8.834410e-07	7.207685e-07
C19	2.057552e-03	1.726641e-07	3.338937e-02	2.174892e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	1.679395e-08	1.664962e-08
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	7.030481e-03	1.901335e-07	1.382249e-02	9.075251e-03
C20-21	7.013206e-02	1.652998e-06	1.259400e-01	7.878888e-02
C22	2.876026e-03	9.953155e-07	1.602749e-02	5.419137e-02
C23	7.466827e-04	1.657959e-07	3.267685e-03	9.723814e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	4.230825e-05	0.000000e+00	1.968560e-04	6.053023e-04
C23	2.155064e-08	0.000000e+00	1.018556e-07	3.157122e-07
C23	1.067131e-07	0.000000e+00	5.657942e-07	1.853341e-06
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.575784e-04	0.000000e+00	1.221413e-03	3.792317e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	1.930208e-03	4.264635e-07	9.860955e-03	2.869957e-02
C25	1.444344e-03	3.585370e-08	4.044264e-03	1.027244e-03
C26	3.593648e-03	0.000000e+00	1.789522e-02	5.959115e-02
C27	5.609631e-02	1.366357e-05	2.333937e-01	6.958053e-01
C27	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C28_32	1.313042e-03	0.000000e+00	7.655115e-03	2.726982e-02
C29	6.000949e-06	0.000000e+00	2.429656e-05	7.279029e-05
C30	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C31	1.515941e-02	0.000000e+00	8.157515e-02	2.803392e-01
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+		

D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
F	2.819106e-05	3.875818e-09	6.816379e-05	3.093883e-05
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.353967e-06	0.000000e+00	2.821136e-06	7.276800e-06
G47	1.242606e-06	1.120267e-08	3.286056e-06	8.632822e-06
G46	5.601383e-05	8.338233e-07	1.056967e-04	2.704703e-04
G47	7.973468e-07	1.227315e-08	1.461569e-06	3.725001e-06
I	6.729986e-05	0.000000e+00	2.350235e-04	6.386991e-04
H49	3.649613e-04	6.893290e-06	6.506519e-04	1.623603e-03
H49	1.233709e-03	2.214078e-05	2.303333e-03	5.795305e-03
H49	1.681706e-06	3.184420e-08	2.990928e-06	7.460097e-06
H50	7.185349e-04	1.360593e-05	1.277921e-03	3.187442e-03
H50	1.592011e-06	3.014578e-08	2.831406e-06	7.062210e-06
H51	1.557997e-05	1.181541e-07	4.341565e-05	1.155313e-04
H52	4.889268e-04	7.693137e-06	1.008740e-03	2.580211e-03
H53	1.483244e-05	1.331611e-08	5.299591e-05	1.426026e-04
K64	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
K65	6.932866e-05	2.081993e-07	2.334945e-04	6.212762e-04
K66	4.789430e-07	0.000000e+00	2.966127e-06	1.111462e-06
L68	1.633215e-05	1.533175e-08	5.788084e-05	1.565393e-04
M_N	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
J62_63	2.619678e-07	0.000000e+00	9.063776e-07	2.463820e-06
M_N	1.429517e-06	0.000000e+00	4.960098e-06	1.348506e-05
M_N	1.046338e-03	8.355590e-07	3.825683e-03	1.004713e-02
O84	4.218478e-07	0.000000e+00	1.460449e-06	3.970152e-06
P85	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
M_N	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.284247e-08	0.000000e+00	8.361829e-08	2.356906e-07
E37-39	3.519994e-08	0.000000e+00	1.289166e-07	3.634823e-07
E37-39	1.471520e-07	0.000000e+00	5.393653e-07	1.521531e-06
E37-39	7.195555e-05	0.000000e+00	1.211203e-04	1.392947e-04
E37-39	9.251919e-09	0.000000e+00	3.379040e-08	9.510325e-08
E37-39	6.762245e-09	0.000000e+00	2.474730e-08	6.974149e-08
E37-39	8.613335e-09	0.000000e+00	3.154327e-08	8.893257e-08
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	3.055174e-07	0.000000e+00	1.120230e-06	3.160850e-06
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.435774e-08	0.000000e+00	5.246442e-08	1.477088e-07
	E37-39	1.379480e-08	0.000000e+00	5.058012e-08	1.427158e-07
	E37-39	1.359104e-09	0.000000e+00	4.900346e-09	1.367735e-08
	E37-39	2.437503e-09	0.000000e+00	8.857478e-09	2.484823e-08
	E37-39	0.000000e+00	0.000000e+00	1.216726e-09	3.386218e-09
	E37-39	2.046754e-09	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	2.143512e-09	0.000000e+00	7.778389e-09	2.180144e-08
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CA	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.526740e-07	6.060656e-09	6.822195e-07	2.846755e-05
	A01	3.705169e-07	6.367085e-09	7.167766e-07	2.490862e-04
	A01	3.029891e-08	2.294128e-10	8.439566e-08	4.724074e-06
	A01	2.146736e-07	3.521681e-09	4.301509e-07	1.055403e-05
	A01	5.143978e-11	8.844015e-13	9.947802e-11	1.377605e-09
	A01	2.426296e-11	4.171522e-13	4.692145e-11	6.497849e-10
	A01	2.856941e-07	4.781378e-09	2.357067e-03	7.505708e-02
	A01	6.665688e-07	1.195767e-08	3.662651e-06	8.044122e-05
	A01	3.974009e-07	7.130241e-09	2.172408e-06	4.759951e-05
	A01	2.975332e-07	5.338293e-09	1.620527e-06	3.544739e-05
	A01	6.010238e-08	1.071234e-09	3.266424e-07	7.117304e-06
	A01	2.243878e-07	9.535347e-11	6.145234e-07	4.754435e-05
	A01	7.312509e-07	1.311939e-08	4.013022e-06	8.808603e-05
	A01	1.344579e-08	2.413037e-10	7.324538e-08	1.602299e-06
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	5.461468e-06	6.192105e-08	1.412864e-05	3.735325e-05
	A03	8.954307e-10	0.000000e+00	5.287858e-06	1.685030e-04
	B_nongas	5.378474e-10	1.317928e-14	1.510582e-09	4.427596e-10
	B_nongas	1.450038e-06	8.201209e-10	5.412743e-06	1.410628e-05
	B_gas	1.630425e-06	8.767986e-10	6.006642e-06	1.510185e-05
	B_gas	2.543297e-07	1.452928e-10	9.299100e-07	2.311645e-06
	B_nongas	4.985456e-13	0.000000e+00	1.408355e-12	5.178619e-13
	B_nongas	6.393317e-08	5.021315e-11	2.328269e-07	6.042520e-07
	B_nongas	1.289507e-07	1.019440e-10	4.712358e-07	1.237989e-06
	B_nongas	5.925450e-09	4.715125e-12	2.166107e-08	5.689370e-08
	B_nongas	1.310305e-09	3.130101e-14	3.701517e-09	1.361074e-09
	B_nongas	2.604853e-10	6.222559e-15	7.358519e-10	2.705779e-10
	B_nongas	3.677324e-08	2.926198e-11	1.344282e-07	3.530812e-07
	B_nongas	3.212150e-12	0.000000e+00	9.074089e-12	3.336606e-12

B_nongas	4.958584e-07	5.066201e-12	2.436199e-06	8.008344e-06
B_nongas	1.925468e-07	6.398736e-11	8.624463e-07	2.722169e-06
B_nongas	1.344931e-05	2.518746e-10	3.755765e-05	7.981221e-05
C10-12	4.248293e-07	1.847910e-09	1.768148e-06	3.359702e-05
C10-12	2.348316e-07	1.176342e-09	9.479542e-07	1.761813e-05
C10-12	1.825331e-07	4.578100e-10	6.336495e-07	2.455723e-06
C10-12	6.138718e-07	3.238638e-10	3.073655e-06	1.441091e-04
C10-12	2.545582e-05	6.330065e-10	4.574930e-05	1.567806e-04
C10-12	6.721130e-07	2.626885e-09	2.235026e-06	2.170245e-04
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	2.090084e-07	1.232790e-10	1.005473e-06	1.903357e-03
C10-12	2.361834e-05	4.171536e-09	1.076549e-04	3.078517e-02
C10-12	1.524859e-06	5.689156e-09	5.108574e-06	2.653239e-03
C10-12	1.764155e-07	9.889511e-10	5.542581e-07	1.291396e-02
C10-12	6.874446e-07	2.360770e-08	6.326544e-06	5.867502e-06
C13-15	7.408652e-06	3.935422e-10	4.183453e-05	1.482918e-04
C13-15	4.435471e-07	1.908451e-10	3.000143e-06	1.155923e-05
C13-15	3.148039e-06	1.764275e-10	1.944919e-05	7.051498e-05
C16	2.239046e-05	1.375340e-08	1.024000e-04	3.184506e-04
C16	4.818422e-06	4.504349e-09	2.155204e-05	6.667927e-05
C17	1.316612e-06	9.131245e-10	5.031943e-06	1.423187e-05
C17	5.678705e-07	5.636595e-10	2.147894e-06	6.067298e-06
C17	2.826858e-04	6.759839e-09	9.999042e-04	2.707321e-03
C18	1.419270e-05	6.418610e-09	5.606520e-05	1.635371e-04
C19	1.739177e-06	2.141761e-10	3.296154e-06	2.814850e-06
C19	9.046371e-05	7.699107e-09	3.348083e-04	2.320816e-04
C24	1.171113e-05	7.440524e-10	2.179867e-05	1.690030e-05
C20-21	6.090919e-08	1.093112e-09	1.137170e-07	2.861177e-07
C20-21	1.437563e-12	2.544053e-14	2.715431e-12	6.846057e-12
C20-21	8.155885e-11	1.338437e-12	1.681315e-10	4.324988e-10
C20-21	1.075677e-08	1.230098e-10	2.811967e-08	7.445477e-08
C20-21	3.156380e-03	7.851694e-08	5.681173e-03	3.810703e-03
C22	1.867275e-04	4.635996e-08	8.342956e-04	2.552064e-03
C23	8.440643e-06	2.270610e-09	3.395620e-05	9.741679e-05
C23	4.324920e-07	1.571009e-10	1.726125e-06	4.939123e-06
C23	2.094261e-07	6.042215e-11	9.345254e-07	2.814233e-06
C23	3.100195e-08	1.143170e-10	1.040307e-07	2.721167e-07
C23	1.867884e-06	9.904923e-10	7.088170e-06	1.978450e-05
C23	2.082427e-07	1.655488e-10	7.732172e-07	2.130738e-06
C23	4.349854e-05	9.038797e-09	1.763176e-04	5.135266e-04
C24	5.153980e-06	7.415343e-10	2.021555e-05	5.325350e-05
C24	2.401292e-06	5.928947e-10	9.327362e-06	2.452746e-05
C24	8.541732e-08	4.843584e-11	3.165307e-07	8.300249e-07
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.500475e-06	3.198363e-10	3.642874e-06	6.046642e-06
C24	4.322871e-08	1.663274e-11	1.245592e-07	2.630803e-07
C24	5.785782e-07	1.809163e-10	2.158983e-06	5.658304e-06
C24	7.732280e-08	3.528621e-11	2.874488e-07	7.538535e-07

C24	1.257701e-06	2.791585e-10	4.714219e-06	1.238614e-05
C24	1.269473e-10	1.367253e-14	4.766063e-10	1.250441e-09
C24	1.166056e-06	2.432163e-10	4.305613e-06	1.086770e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.072282e-06	3.228532e-10	3.253398e-06	7.186301e-06
C25_33	1.346905e-04	1.634866e-08	5.301438e-04	1.393438e-03
C25	1.401428e-04	1.942518e-08	5.306033e-04	1.163483e-03
C26	1.077803e-05	1.117677e-10	5.366026e-05	1.785947e-04
C27	7.709426e-04	1.878789e-07	3.206362e-03	9.552675e-03
C27	9.427388e-05	1.791959e-08	3.439731e-04	9.302036e-04
C28_32	8.937918e-05	2.743228e-09	5.007794e-04	1.754630e-03
C29	6.608985e-05	2.735363e-08	2.693849e-04	7.772069e-04
C30	1.758383e-05	2.447769e-09	9.199444e-05	3.116221e-04
C31	2.469341e-04	7.339121e-09	1.088193e-03	3.398418e-03
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.318355e-07	9.058916e-11	4.739142e-07	1.255329e-06
D35	8.590326e-08	5.848983e-11	3.089986e-07	8.184625e-07
D35	9.124251e-08	6.419267e-11	3.278121e-07	8.682457e-07
D35	3.448547e-07	2.373426e-10	1.240035e-06	3.284642e-06
D35	2.870032e-09	1.972370e-12	1.029574e-08	2.728596e-08
D35	1.189919e-08	8.346626e-12	4.272656e-08	1.131647e-07
D35	6.659097e-09	4.719323e-12	2.390553e-08	6.331631e-08
D35	2.122701e-11	1.493412e-14	7.630186e-11	2.021738e-10
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.486078e-11	1.045519e-14	5.341805e-11	1.415395e-10
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	6.409249e-11	4.525005e-14	2.303573e-10	6.104648e-10
D35	8.895493e-08	6.259320e-11	3.196155e-07	8.465799e-07
D35	2.692395e-07	1.855459e-10	9.675893e-07	2.563033e-06
D35	9.979718e-10	7.089887e-12	2.660235e-09	7.102020e-09
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	8.881044e-11	1.089500e-12	2.105889e-10	5.852277e-10
F	5.775822e-05	8.960193e-09	1.420229e-04	7.939535e-05
F	3.751050e-10	6.324207e-14	9.311634e-10	5.775813e-10
G45	6.206860e-06	3.449077e-09	2.222474e-05	9.711289e-05
G47	6.839173e-07	5.599376e-09	1.881753e-06	5.461330e-06
G46	2.379632e-04	3.997162e-07	6.712254e-04	3.022867e-03
G47	1.069772e-05	8.614715e-09	4.639380e-05	1.874488e-04
I	1.287040e-04	2.680666e-10	4.494495e-04	1.221287e-03
H49	1.787220e-04	3.374890e-06	3.186818e-04	7.952323e-04
H49	4.125143e-04	7.382677e-06	7.719817e-04	1.943022e-03
H49	5.963126e-07	1.022728e-08	1.153213e-06	2.885474e-06
H50	2.738677e-04	5.149228e-06	4.903960e-04	1.224662e-03
H50	4.632852e-07	7.913066e-09	9.014602e-07	2.282323e-06
H51	5.031917e-05	3.816069e-07	1.402208e-04	3.731348e-04
H52	2.741346e-04	4.493116e-06	5.501031e-04	1.399486e-03
H53	6.711963e-05	6.268040e-08	2.400581e-04	6.442565e-04

K64	3.939052e-04	4.135912e-07	1.371032e-03	3.726750e-03
K65	3.399581e-05	1.019274e-07	1.145094e-04	3.046819e-04
K66	1.112377e-06	3.115373e-09	3.871806e-06	9.709895e-06
L68	2.235437e-06	2.055828e-09	7.875701e-06	2.123657e-05
M_N	3.178228e-06	4.300725e-09	1.139466e-05	2.987314e-05
J62_63	1.848597e-06	1.208310e-09	6.667445e-06	1.763767e-05
M_N	4.671190e-07	9.585948e-15	1.620646e-06	4.405860e-06
M_N	1.527470e-03	1.219748e-06	5.584791e-03	1.466683e-02
O84	5.393772e-05	3.813397e-08	1.108632e-04	2.342044e-04
P85	1.343389e-06	8.697681e-10	4.864813e-06	1.285764e-05
M_N	1.290851e-05	1.029626e-08	4.719417e-05	1.239476e-04
E37-39	7.379702e-10	9.368808e-14	2.724091e-09	7.633264e-09
E37-39	7.694416e-10	9.082374e-14	2.835445e-09	7.950952e-09
E37-39	1.307689e-09	2.160292e-14	4.798162e-09	1.352468e-08
E37-39	1.810278e-07	8.738284e-14	3.050532e-07	3.518024e-07
E37-39	1.154943e-09	8.601148e-15	4.219478e-09	1.187197e-08
E37-39	1.158331e-10	8.030710e-15	4.244115e-10	1.192415e-09
E37-39	6.579281e-09	2.277485e-12	3.665729e-08	1.239338e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	3.126913e-09	5.715278e-13	1.159629e-08	3.243242e-08
E37-39	2.384800e-10	1.144336e-13	9.006456e-10	2.483651e-09
E37-39	1.829225e-09	6.288049e-13	6.844701e-09	1.898470e-08
E37-39	2.766559e-09	1.191216e-12	1.041696e-08	2.879277e-08
E37-39	8.536070e-09	3.868215e-12	3.215620e-08	8.873230e-08
E37-39	7.326286e-09	3.247729e-12	2.758884e-08	7.617665e-08
E37-39	1.822888e-09	8.747047e-13	1.601488e-08	4.439530e-08
E37-39	6.245834e-09	2.906042e-12	2.287190e-08	6.307233e-08
E37-39	5.273112e-10	2.530279e-13	7.366990e-09	2.048274e-08
E37-39	1.385625e-09	1.685409e-13	5.080077e-09	1.417861e-08
R_S	5.680267e-08	2.365689e-11	1.890676e-07	5.059465e-07
R_S	1.279668e-05	2.836341e-09	4.955530e-05	1.428384e-04
R_S	1.972609e-06	1.088964e-09	7.061384e-06	1.872075e-05
T	2.014817e-11	0.000000e+00	3.788048e-11	5.578960e-11
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
KR A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	8.726377e-07
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	1.042635e-04	3.320546e-03
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	3.155120e-07	0.000000e+00	1.351479e-06	4.146126e-06
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	1.691966e-05
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	3.527584e-06
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	7.033511e-03
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	1.611870e-03
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	3.762743e-03
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	2.244342e-05	0.000000e+00	1.582359e-04	6.244893e-04
C13-15	7.527326e-08	0.000000e+00	7.740383e-07	3.395484e-06
C13-15	4.243547e-05	0.000000e+00	2.676163e-04	9.822921e-04
C16	6.265019e-08	1.743370e-11	2.937234e-07	9.283786e-07
C16	2.584830e-08	7.192820e-12	1.211848e-07	3.830316e-07
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	4.043752e-06	0.000000e+00	1.568593e-05	4.558300e-05
C18	1.607109e-07	0.000000e+00	7.624241e-07	2.454810e-06
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	2.323044e-04	1.948065e-08	3.854860e-03	2.544596e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	1.943874e-08	1.927168e-08
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

[illegible]

[illegible]

	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
BR	A01	6.920134e-07	3.797764e-11	2.391630e-06	1.834304e-04
	A01	1.883794e-08	1.033499e-12	6.510403e-08	4.994252e-06
	A01	4.793744e-06	2.632502e-10	1.656465e-05	2.004931e-03
	A01	7.981517e-07	4.379512e-11	2.758574e-06	3.384816e-04
	A01	2.577701e-06	1.414407e-10	8.908621e-06	6.833872e-04
	A01	2.299921e-06	1.262275e-10	7.948530e-06	9.239346e-04
	A01	1.119661e-06	6.143515e-11	3.869871e-06	3.929336e-04
	A01	6.329978e-06	3.477258e-10	1.617294e-02	5.168558e-01
	A01	6.237204e-08	1.483159e-12	2.622412e-04	8.362192e-03
	A01	1.405513e-08	3.342202e-13	5.909434e-05	1.884365e-03
	A01	2.352232e-08	5.593427e-13	9.889881e-05	3.153627e-03
	A01	7.112461e-10	1.691289e-14	2.990411e-06	9.535647e-05
	A01	1.436448e-08	3.415764e-13	6.039500e-05	1.925840e-03
	A01	3.984980e-08	9.475977e-13	1.675472e-04	5.342645e-03
	A01	9.573063e-11	2.276401e-15	4.024963e-07	1.283457e-05
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	2.494395e-06	1.368821e-10	8.624905e-06	9.750885e-04
	A03	1.095878e-08	2.605914e-13	4.607584e-05	1.469239e-03
	B_nongas	1.414532e-08	3.657925e-13	2.686984e-08	2.640825e-08
	B_nongas	4.612656e-09	4.330116e-12	1.634717e-08	4.421109e-08
	B_gas	4.261161e-10	4.000151e-13	1.510148e-09	4.084210e-09
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	3.294064e-09	8.518322e-14	6.257262e-09	6.149771e-09
	B_nongas	5.726517e-09	2.692022e-12	1.652308e-08	2.646014e-08
	B_nongas	8.789974e-08	2.273053e-12	1.669705e-07	1.641022e-07
	B_nongas	4.135145e-08	1.069332e-12	7.854941e-08	7.720005e-08
	B_nongas	9.142620e-09	2.364246e-13	1.736692e-08	1.706859e-08
	B_nongas	7.168486e-08	1.853742e-12	1.361694e-07	1.338302e-07
	B_nongas	3.001726e-08	7.762345e-13	5.701948e-08	5.603996e-08
	B_nongas	4.609830e-08	1.192084e-12	8.756633e-08	8.606207e-08
	B_nongas	1.983358e-06	3.585785e-12	9.330446e-06	3.006616e-05
	B_nongas	2.959784e-06	3.215252e-12	1.420144e-05	4.619244e-05
	B_nongas	1.515103e-03	1.498138e-12	6.489724e-03	1.990923e-02
	C10-12	1.559348e-06	1.713126e-08	1.658171e-05	2.499532e-06
	C10-12	1.817083e-06	1.759615e-08	1.748054e-05	2.806084e-06
	C10-12	2.133024e-06	2.336293e-08	2.284527e-05	3.358766e-06
	C10-12	6.055720e-07	6.635479e-09	6.479881e-06	9.557592e-07
	C10-12	1.369330e-06	1.497518e-08	1.467131e-05	6.405724e-04
	C10-12	1.700403e-06	1.861590e-08	1.817572e-05	2.698155e-06
	C10-12	6.731699e-07	7.363043e-09	7.206346e-06	1.063649e-06

C10-12	1.138040e-06	1.244377e-08	1.219179e-05	1.589000e-02
C10-12	5.948754e-06	6.507710e-08	6.370099e-05	7.224339e-02
C10-12	1.115608e-06	1.220991e-08	1.193222e-05	5.506929e-04
C10-12	2.137897e-07	2.338800e-09	2.289264e-06	1.925306e-04
C10-12	3.608811e-11	3.387760e-14	1.278956e-10	3.458951e-10
C13-15	5.288886e-06	1.197476e-10	1.163237e-05	1.659960e-05
C13-15	7.174232e-08	1.466988e-12	5.448063e-07	2.139463e-06
C13-15	4.667537e-05	6.821487e-12	2.932586e-04	1.075059e-03
C16	4.056604e-06	1.123119e-09	1.897260e-05	6.023333e-05
C16	4.583910e-06	1.269196e-09	2.143949e-05	6.806100e-05
C17	2.326855e-07	8.491904e-12	4.662968e-07	4.095019e-07
C17	4.275296e-08	1.560278e-12	8.567602e-08	7.524069e-08
C17	2.011446e-05	5.053991e-11	7.542839e-05	2.135660e-04
C18	5.396131e-07	1.358751e-11	1.009844e-06	7.788720e-07
C19	1.937618e-08	5.434835e-13	3.749174e-08	2.194717e-08
C19	1.550317e-06	4.124395e-11	2.995803e-06	1.735220e-06
C24	7.937249e-09	2.226323e-13	1.535810e-08	8.990428e-09
C20-21	0.000000e+00	0.000000e+00	5.343832e-09	5.297907e-09
C20-21	0.000000e+00	0.000000e+00	6.103192e-10	6.050741e-10
C20-21	6.530534e-07	1.539828e-11	1.172779e-06	7.337139e-07
C20-21	2.676672e-03	7.233015e-08	5.259695e-03	3.452355e-03
C20-21	2.753447e-03	1.982510e-06	6.712697e-03	4.876017e-03
C22	2.814900e-05	8.708586e-09	1.451072e-04	5.025281e-04
C23	3.855811e-06	3.488583e-10	1.651305e-05	4.972503e-05
C23	7.039031e-07	5.592893e-11	3.009044e-06	9.070162e-06
C23	6.563395e-06	3.007315e-12	2.875774e-05	8.775984e-05
C23	1.523051e-08	1.116413e-14	6.425412e-08	1.950998e-07
C23	6.650018e-06	2.724269e-12	2.852179e-05	8.752632e-05
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.779954e-05	7.745605e-12	7.887592e-05	2.418459e-04
C24	2.335193e-06	8.062188e-11	4.643708e-06	4.288717e-06
C24	4.683927e-07	1.617112e-11	9.314341e-07	8.602301e-07
C24	6.548224e-07	5.098310e-11	1.605832e-06	2.693105e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.147735e-06	1.672182e-10	5.266926e-06	8.833044e-06
C24	3.509567e-07	2.733173e-11	8.606528e-07	1.443035e-06
C24	2.130214e-07	1.658540e-11	5.223959e-07	8.760984e-07
C24	4.504054e-08	3.508964e-12	1.104524e-07	1.851281e-07
C24	1.016326e-06	7.912899e-11	2.492352e-06	4.179868e-06
C24	1.223996e-10	9.529774e-15	3.001625e-10	5.033958e-10
C24	1.634470e-08	1.272564e-12	4.008237e-08	6.722125e-08
C24	4.434565e-07	3.452660e-11	1.087496e-06	1.823815e-06
C24	5.879595e-07	4.577730e-11	1.441863e-06	2.418116e-06
C25_33	1.915280e-05	2.887459e-09	7.540843e-05	1.914673e-04
C25	8.354616e-05	3.273866e-09	2.417412e-04	1.280376e-04
C26	6.355328e-06	1.150045e-10	1.726674e-05	3.542971e-05
C27	7.078952e-04	1.722181e-07	2.945989e-03	8.783144e-03
C27	1.926515e-05	4.607575e-09	7.973591e-05	2.351668e-04

C28_32	4.610040e-05	3.395193e-10	2.658473e-04	9.424624e-04
C29	3.516923e-05	5.352939e-09	1.468108e-04	4.389152e-04
C30	3.265851e-08	2.092292e-12	9.989418e-08	9.037754e-08
C31	1.467789e-05	9.999752e-12	7.826763e-05	2.679144e-04
E37-39	2.680170e-08	4.371533e-13	1.128856e-07	3.416579e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.048970e-12	1.418859e-14	9.459984e-12	2.536152e-11
D35	2.652410e-10	2.642391e-13	9.279099e-10	2.507411e-09
D35	8.173402e-12	3.135371e-14	2.580000e-11	6.924716e-11
D35	2.420169e-10	9.538980e-13	7.642372e-10	2.051109e-09
D35	3.252945e-13	0.000000e+00	1.152838e-12	3.117862e-12
D35	1.098022e-10	1.093874e-13	3.841281e-10	1.037996e-09
D35	7.840929e-12	3.002981e-14	2.473695e-11	6.639118e-11
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.741418e-11	1.067118e-13	8.753490e-11	2.351441e-10
D35	1.289573e-10	4.987065e-13	4.081879e-10	1.095804e-09
D35	4.442476e-10	1.750980e-12	1.402838e-09	3.765027e-09
D35	3.192338e-11	1.259220e-13	1.017370e-10	2.732586e-10
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	9.870018e-10	3.816954e-12	3.124151e-09	8.386964e-09
F	3.291504e-05	4.568834e-09	7.964721e-05	3.658449e-05
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	2.342481e-05	5.345831e-08	7.869800e-05	2.069515e-04
G47	3.119225e-06	1.800917e-08	9.511194e-06	2.502013e-05
G46	1.658413e-04	1.598126e-06	4.291817e-04	1.118073e-03
G47	7.232546e-05	3.518587e-07	2.328759e-04	6.104243e-04
I	4.746648e-05	1.485979e-10	1.657504e-04	4.723073e-04
H49	2.878067e-04	5.435904e-06	5.131066e-04	1.280365e-03
H49	1.006562e-03	1.806392e-05	1.879267e-03	4.728282e-03
H49	1.249303e-06	2.359524e-08	2.225191e-06	5.533505e-06
H50	2.871617e-04	5.437495e-06	5.107249e-04	1.273873e-03
H50	1.277616e-06	2.418676e-08	2.272558e-06	5.668394e-06
H51	4.602292e-06	3.493810e-08	1.281943e-05	3.411172e-05
H52	3.802717e-04	5.983076e-06	7.845805e-04	2.006771e-03
H53	8.934497e-06	8.092458e-09	3.191340e-05	8.587197e-05
K64	7.973335e-09	7.484943e-12	2.825736e-08	7.642231e-08
K65	1.167975e-05	3.506765e-08	3.933729e-05	1.046682e-04
K66	8.915696e-08	1.664410e-12	5.474583e-07	2.197820e-07
L68	2.187678e-06	2.144828e-09	7.728120e-06	2.094001e-05
M_N	1.258663e-08	8.924475e-11	2.834663e-08	3.636849e-07
J62_63	1.596342e-07	5.050178e-12	5.527680e-07	1.502334e-06
M_N	3.920088e-08	1.455986e-10	1.250184e-07	3.358109e-07
M_N	2.163712e-04	1.730265e-07	7.910760e-04	2.077560e-03
O84	1.486740e-05	1.818470e-07	5.262660e-05	7.504763e-04
P85	3.523794e-07	1.717839e-10	1.417669e-06	8.313178e-06

	M_N	1.985859e-07	9.970423e-10	5.212112e-07	1.211185e-06
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	2.176115e-10	8.577053e-13	6.871702e-10	1.844272e-09
	E37-39	4.318241e-11	1.669959e-13	1.366850e-10	3.669388e-10
	E37-39	1.249074e-09	4.923165e-12	3.944307e-09	1.058598e-08
	E37-39	1.387159e-09	5.467422e-12	4.380350e-09	1.175626e-08
	E37-39	3.342521e-09	1.317439e-11	1.055496e-08	2.832809e-08
	E37-39	1.407605e-09	5.548007e-12	4.444913e-09	1.192954e-08
	E37-39	1.130491e-09	4.455775e-12	3.569846e-09	9.580983e-09
	E37-39	1.161794e-09	4.579156e-12	3.668696e-09	9.846281e-09
	E37-39	4.852094e-10	1.912430e-12	1.532187e-09	4.112181e-09
	E37-39	5.824130e-10	2.295553e-12	1.839135e-09	4.935988e-09
	R_S	4.255161e-08	2.952305e-10	1.223713e-07	3.244847e-07
	R_S	6.964720e-06	0.000000e+00	2.462662e-05	6.797364e-05
	R_S	2.508112e-07	0.000000e+00	8.672725e-07	2.357393e-06
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
IN	A01	5.641769e-05	5.002251e-09	2.326158e-03	7.646801e-02
	A01	6.922938e-05	5.188447e-09	2.857661e-03	9.212634e-02
	A01	3.609622e-05	3.124596e-09	1.489302e-03	4.951296e-02
	A01	7.113825e-06	4.856431e-10	3.508190e-04	1.122780e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.083729e-03	7.398346e-08	9.077452e-07	1.444016e-04
	A01	2.859374e-06	1.952023e-10	1.375834e-04	4.381643e-03
	A01	0.000000e+00	0.000000e+00	3.246682e-02	1.034181e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
		A02	0.000000e+00	0.000000e+00	7.561090e-07
	A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	7.623577e-05	0.000000e+00	3.747142e-04	1.231847e-03
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	2.179852e-04	0.000000e+00	9.337280e-04	2.864532e-03
C10-12	4.690501e-06	2.198035e-10	8.430059e-06	7.729312e-06
C10-12	9.698182e-09	4.612792e-13	1.743182e-08	1.598978e-08
C10-12	2.817638e-06	1.106138e-10	5.062673e-06	4.160649e-06
C10-12	5.661503e-10	5.488048e-12	1.372754e-09	1.239036e-07
C10-12	9.366985e-06	2.244562e-09	1.750710e-05	3.312278e-03
C10-12	5.835461e-05	2.316729e-09	1.085061e-04	1.249847e-04
C10-12	1.887656e-05	8.734169e-10	3.477980e-05	3.541862e-05
C10-12	2.720020e-05	1.695142e-09	4.886530e-05	4.656882e-04
C10-12	4.208468e-05	1.990162e-09	7.763725e-05	3.422814e-02
C10-12	1.216781e-04	4.096016e-09	2.185213e-04	7.441123e-04
C10-12	2.827195e-05	1.362369e-09	5.234425e-05	1.331956e-01
C10-12	6.230139e-06	9.395545e-08	2.811181e-05	2.384890e-04
C13-15	3.788156e-04	1.082478e-08	1.914377e-03	6.685810e-03
C13-15	7.980932e-05	2.009914e-09	4.211738e-04	1.454229e-03
C13-15	1.338872e-03	1.205071e-08	8.396435e-03	3.074661e-02
C16	4.961337e-05	4.964090e-09	2.286559e-04	7.281745e-04
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.418252e-07	3.011163e-11	7.253984e-07	1.644648e-06
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	3.628017e-05	3.318189e-09	1.197899e-04	3.018362e-04
C18	1.622536e-05	3.486602e-09	7.331144e-05	2.283614e-04
C19	1.744849e-04	4.564927e-09	3.137115e-04	1.963963e-04
C19	3.071933e-04	8.723208e-09	7.257556e-04	4.629085e-04
C24	1.325789e-08	3.621877e-13	2.385145e-08	1.508551e-08
C20-21	7.293137e-11	1.746874e-15	7.183761e-10	3.118770e-09
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	3.229266e-05	9.326637e-10	5.889767e-05	4.055645e-05
C20-21	7.222207e-04	1.926709e-08	1.311643e-03	8.805557e-04
C20-21	2.475410e-02	6.369116e-07	4.494504e-02	3.221374e-02
C22	1.223081e-03	2.128045e-07	4.495622e-03	1.220169e-02
C23	3.513089e-04	7.539102e-08	1.512781e-03	4.467256e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	6.032830e-05	4.334448e-09	1.679266e-04	3.428734e-04
C23	5.519195e-07	3.553278e-11	1.358217e-06	2.315116e-06
C23	1.265043e-05	2.001130e-09	4.600926e-05	1.217721e-04
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

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	I	4.987913e-05	0.000000e+00	1.741871e-04	4.733704e-04
	H49	4.302767e-05	8.126949e-07	7.670958e-05	1.914171e-04
	H49	2.784625e-04	4.997430e-06	5.198890e-04	1.308068e-03
	H49	3.439061e-07	6.512087e-09	6.116399e-07	1.525578e-06
	H50	2.050700e-04	3.883135e-06	3.647188e-04	9.096967e-04
	H50	3.601700e-07	6.820056e-09	6.405655e-07	1.597725e-06
	H51	2.837318e-05	2.151743e-07	7.906564e-05	2.103977e-04
	H52	1.030348e-04	1.621226e-06	2.125786e-04	5.437451e-04
	H53	5.296403e-05	4.754951e-08	1.892391e-04	5.092091e-04
	K64	4.145868e-07	4.328765e-10	1.443103e-06	3.923085e-06
	K65	3.186744e-05	9.570038e-08	1.073275e-04	2.855743e-04
	K66	1.255267e-07	0.000000e+00	7.773957e-07	2.913045e-07
	L68	4.197363e-06	3.940261e-09	1.487538e-05	4.023061e-05
	M_N	1.998212e-07	1.617879e-10	7.285355e-07	1.920621e-06
	J62_63	2.038395e-07	0.000000e+00	7.052605e-07	1.917120e-06
	M_N	1.113933e-06	0.000000e+00	3.865095e-06	1.050807e-05
	M_N	1.532441e-03	1.223739e-06	5.602999e-03	1.471478e-02
	O84	1.837389e-07	0.000000e+00	6.361090e-07	1.729228e-06
	P85	7.218163e-10	0.000000e+00	2.504179e-09	6.808114e-09
	M_N	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	1.158912e-10	0.000000e+00	4.005409e-10	1.088681e-09
	R_S	1.062313e-08	0.000000e+00	3.756244e-08	1.036787e-07
	R_S	7.701991e-09	0.000000e+00	2.663248e-08	7.239156e-08
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
MX	A01	2.464490e-12	0.000000e+00	5.958947e-12	2.704703e-12
	A01	3.312295e-11	4.553874e-15	8.008872e-11	3.635143e-11
	A01	6.182456e-10	8.499885e-14	1.494870e-09	1.971129e-09

A01	4.231412e-10	5.817513e-14	1.023123e-09	7.326611e-05
A01	2.220259e-11	3.052499e-15	5.368413e-11	2.436666e-11
A01	8.536747e-11	1.173666e-14	2.064119e-10	9.368820e-11
A01	9.636857e-12	1.324913e-15	2.330117e-11	1.057616e-11
A01	1.454663e-10	1.999929e-14	1.958020e-03	6.235829e-02
A01	8.616508e-13	0.000000e+00	3.053675e-12	8.258695e-12
A01	3.401741e-13	0.000000e+00	1.205571e-12	3.260479e-12
A01	2.659099e-12	2.496221e-15	9.423800e-12	2.548676e-11
A01	2.326651e-13	0.000000e+00	8.245611e-13	2.230034e-12
A01	2.320869e-15	0.000000e+00	8.225117e-15	2.224491e-14
A01	7.282790e-13	0.000000e+00	2.581008e-12	6.980362e-12
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0.000000e+00	0.000000e+00	6.384205e-09	1.913865e-08
A03	2.743392e-07	5.194723e-09	4.879214e-07	1.216997e-06
B_nongas	1.446984e-14	0.000000e+00	5.128087e-14	1.386896e-13
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.642882e-13	0.000000e+00	5.822344e-13	1.574659e-12
B_nongas	1.602514e-10	1.345311e-13	5.455767e-10	1.367502e-09
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.543583e-10	1.295838e-13	5.255137e-10	1.317213e-09
B_nongas	4.339532e-13	0.000000e+00	1.477396e-12	3.703131e-12
B_nongas	1.264379e-13	0.000000e+00	4.304584e-13	1.078955e-12
B_nongas	3.210932e-14	0.000000e+00	1.137949e-13	3.077593e-13
B_nongas	1.297950e-13	0.000000e+00	4.599913e-13	1.244051e-12
B_nongas	8.075057e-15	0.000000e+00	2.861786e-14	7.739729e-14
C10-12	5.430262e-06	1.001752e-09	2.247171e-05	1.877659e-04
C10-12	5.848976e-06	7.915583e-10	1.838106e-05	1.771584e-04
C10-12	4.333830e-08	5.581667e-11	9.474274e-08	4.656925e-07
C10-12	2.902472e-06	1.200670e-10	1.799772e-05	6.763435e-05
C10-12	8.482230e-08	8.709493e-11	3.108326e-07	1.627759e-04
C10-12	2.615192e-06	4.224877e-10	6.977963e-06	8.133527e-05
C10-12	3.787034e-09	3.454142e-12	1.560289e-08	9.974200e-08
C10-12	2.035140e-07	1.798876e-10	8.167603e-07	5.331771e-06
C10-12	2.601516e-06	1.510869e-10	8.704269e-06	1.283036e-02
C10-12	3.372193e-07	3.435869e-10	1.428073e-06	3.867621e-02
C10-12	8.529886e-07	4.726474e-10	4.109285e-06	3.180326e-04
C10-12	1.122180e-06	1.639051e-07	3.143384e-05	6.351198e-06
C13-15	7.805201e-06	2.115267e-10	5.321190e-05	2.072795e-04
C13-15	2.353568e-06	3.362602e-10	1.265045e-05	4.371093e-05
C13-15	8.159421e-04	1.065740e-10	5.143641e-03	1.887712e-02
C16	4.080837e-06	4.895849e-10	2.292364e-05	7.954691e-05
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

C17	1.585069e-09	1.608866e-12	6.509293e-09	2.010590e-08
C17	6.247988e-08	6.343749e-11	2.565831e-07	7.858333e-07
C17	7.029025e-06	2.701066e-10	2.842058e-05	8.479889e-05
C18	3.562988e-06	2.295488e-09	1.400263e-05	3.925609e-05
C19	1.005223e-07	2.879248e-11	1.894869e-07	1.209138e-07
C19	1.328353e-05	1.922355e-09	7.389822e-05	5.096651e-05
C24	2.648010e-10	4.911292e-14	4.844170e-10	3.492505e-10
C20-21	1.559622e-06	3.304078e-10	7.670692e-06	2.867926e-05
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	5.972628e-10	5.199764e-12	1.797173e-09	5.783554e-09
C20-21	1.012613e-07	2.052562e-11	5.129033e-07	1.863730e-06
C20-21	6.852763e-03	8.163223e-07	1.285776e-02	7.814913e-03
C22	7.522210e-05	1.555607e-08	3.584735e-04	1.156357e-03
C23	6.319533e-05	1.393847e-08	2.768577e-04	8.247798e-04
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	4.429577e-07	4.334843e-11	2.070205e-06	6.575424e-06
C23	3.555475e-08	1.026488e-10	1.471539e-07	4.655191e-07
C23	2.563391e-07	3.241347e-11	1.198447e-06	3.900731e-06
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	3.443079e-06	5.891868e-10	1.620625e-05	5.034164e-05
C24	3.231923e-06	1.052153e-09	1.090937e-05	2.724045e-05
C24	2.483014e-06	8.105589e-10	8.370926e-06	2.082780e-05
C24	2.838116e-06	1.064052e-09	8.227088e-06	1.768925e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.571785e-08	5.211862e-12	5.210008e-08	1.300719e-07
C24	6.565271e-07	1.930909e-10	2.143301e-06	5.344115e-06
C24	1.019196e-06	3.368289e-10	3.382027e-06	8.546247e-06
C24	2.131694e-07	7.047267e-11	7.060677e-07	1.736879e-06
C24	3.422703e-06	1.132254e-09	1.134114e-05	2.820542e-05
C24	1.110196e-07	3.280310e-11	3.616246e-07	8.966447e-07
C24	9.393772e-08	3.117795e-11	3.112164e-07	7.737349e-07
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.099005e-07	2.687029e-10	2.686415e-06	6.710874e-06
C25_33	5.914813e-05	1.230266e-08	2.881331e-04	8.541753e-04
C25	2.783247e-05	3.773820e-09	9.598821e-05	1.869454e-04
C26	1.693667e-04	1.548948e-08	7.872586e-04	2.521177e-03
C27	1.483103e-03	3.578407e-07	6.166155e-03	1.835992e-02
C27	2.076935e-04	4.647273e-08	8.732932e-04	2.658684e-03
C28_32	2.146748e-04	1.205046e-08	1.160849e-03	4.003315e-03
C29	1.709711e-04	3.464191e-08	7.183143e-04	2.147136e-03
C30	8.740859e-06	1.721037e-09	3.910060e-05	1.219331e-04
C31	3.184675e-04	1.296013e-08	1.633560e-03	5.527224e-03
E37-39	4.239016e-07	1.234117e-10	1.745721e-06	5.498391e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.649157e-12	1.548141e-15	5.844583e-12	1.580674e-11
D35	2.850165e-12	2.675583e-15	1.010093e-11	2.731808e-11

D35	7.571496e-14	0.000000e+00	2.683325e-13	7.257079e-13
D35	5.759794e-12	5.406988e-15	2.041261e-11	5.520610e-11
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.444514e-15	0.000000e+00	1.929526e-14	5.218423e-14
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.325276e-13	0.000000e+00	4.696754e-13	1.270242e-12
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	8.034832e-12	7.542673e-15	2.847530e-11	7.701175e-11
D35	1.745567e-11	1.638646e-14	6.186259e-11	1.673080e-10
D35	1.886532e-09	5.700787e-14	5.280079e-09	1.387374e-09
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	8.334784e-09	3.046107e-13	2.331557e-08	6.051728e-09
F	8.050404e-08	1.332399e-11	1.964934e-07	8.852880e-08
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.784296e-06	2.626854e-10	4.224474e-06	1.290291e-05
G47	1.471276e-06	1.325436e-08	3.891983e-06	1.033636e-05
G46	7.682178e-05	1.103686e-06	1.499473e-04	4.760426e-04
G47	1.651299e-06	1.534113e-08	4.279978e-06	3.191709e-05
I	3.572795e-05	4.490594e-10	1.247804e-04	3.390284e-04
H49	1.120885e-05	2.116594e-07	1.998825e-05	4.987886e-05
H49	7.299783e-05	1.308885e-06	1.363507e-04	3.426727e-04
H49	9.068896e-08	1.717255e-09	1.612911e-07	4.022990e-07
H50	5.856861e-05	1.108827e-06	1.041863e-04	2.598716e-04
H50	1.173850e-07	2.197382e-09	2.113850e-07	5.279697e-07
H51	1.406915e-05	1.074712e-07	3.913111e-05	1.040498e-04
H52	2.530804e-05	3.981313e-07	5.222322e-05	1.335821e-04
H53	1.284040e-07	7.157663e-10	3.961945e-07	1.043083e-06
K64	5.671068e-07	5.921249e-10	1.973998e-06	5.366327e-06
K65	2.597808e-08	7.801419e-11	8.749251e-08	2.327979e-07
K66	6.665276e-08	0.000000e+00	4.127851e-07	1.546782e-07
L68	1.846610e-06	1.773247e-09	6.546245e-06	1.768297e-05
M_N	2.567054e-07	7.500481e-10	8.783885e-07	2.308583e-06
J62_63	1.254717e-06	7.547544e-11	4.356602e-06	1.181437e-05
M_N	3.075321e-09	3.902113e-11	6.783959e-09	2.540901e-08
M_N	1.897259e-04	1.515520e-07	6.936690e-04	1.821739e-03
O84	1.879907e-07	0.000000e+00	6.508290e-07	1.769244e-06
P85	6.288472e-08	5.707602e-11	2.285200e-07	6.003684e-07
M_N	5.307108e-08	9.895569e-11	1.863280e-07	4.901143e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	4.758518e-09	4.302517e-11	1.227627e-08	3.311679e-08
	E37-39	5.799843e-09	7.113748e-11	1.275001e-08	3.351399e-08
	E37-39	9.391798e-09	1.263459e-10	1.927432e-08	4.995911e-08
	E37-39	4.392666e-09	5.218656e-11	9.834854e-09	2.590620e-08
	E37-39	2.889817e-09	4.192604e-11	1.815277e-08	4.929168e-08
	E37-39	3.214160e-09	4.272428e-11	5.684676e-09	1.456886e-08
	E37-39	1.235987e-09	1.792668e-11	1.058895e-08	2.898903e-08
	E37-39	3.678703e-09	2.152512e-11	1.082944e-08	2.966565e-08
	R_S	5.805513e-09	2.982021e-11	1.788094e-08	4.758352e-08
	R_S	1.344708e-06	1.101616e-09	4.909957e-06	1.290168e-05
	R_S	6.388706e-07	8.250686e-11	1.358721e-06	1.511545e-06
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
RU	A01	7.025586e-08	5.724488e-11	1.303484e-07	1.587031e-07
	A01	1.611027e-05	2.975453e-08	3.062176e-05	1.554794e-04
	A01	7.613109e-06	1.325174e-08	1.526216e-05	4.057087e-04
	A01	4.498802e-05	4.743053e-09	8.374825e-05	1.810738e-04
	A01	6.015204e-06	1.266657e-08	1.133096e-05	1.181819e-05
	A01	3.848914e-06	1.953273e-09	7.643889e-06	6.243853e-06
	A01	1.503472e-07	1.657191e-10	2.776403e-07	2.393291e-07
	A01	1.571700e-04	2.544234e-08	2.893904e-03	1.275126e-02
	A01	1.198045e-04	2.299382e-08	2.351231e-04	1.611324e-04
	A01	7.307266e-05	1.195485e-08	1.438680e-04	9.813911e-05
	A01	1.409049e-04	1.633055e-08	2.691855e-04	2.006650e-04
	A01	9.737421e-06	1.106286e-08	1.284649e-04	8.974307e-05
	A01	2.647031e-06	3.227468e-09	4.038097e-05	2.813503e-05
	A01	9.527047e-05	3.485164e-08	1.852363e-04	1.344460e-04
	A01	1.765109e-06	9.699397e-10	3.457420e-06	2.462334e-06
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	3.419198e-05	2.931883e-07	9.229392e-05	2.191656e-04
	A03	1.046370e-06	1.697465e-08	2.034270e-06	7.157516e-06
	B_nongas	4.780714e-05	9.332258e-08	1.104583e-04	1.340908e-04
	B_nongas	1.015780e-04	1.206555e-06	4.145262e-04	9.070301e-04
	B_gas	2.330369e-04	2.302595e-07	1.667265e-03	1.203683e-03
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	4.393215e-05	1.355735e-08	8.779688e-05	1.104517e-04
	B_nongas	9.967400e-06	5.399652e-09	1.952922e-05	1.451969e-05
	B_nongas	1.281863e-04	3.852570e-07	2.956962e-04	1.815082e-03
	B_nongas	1.203730e-07	1.547166e-11	2.364582e-07	1.681402e-07
	B_nongas	6.673822e-07	6.518662e-10	1.314764e-06	1.073493e-06
	B_nongas	2.780674e-04	1.159045e-07	5.389294e-04	4.558164e-04
	B_nongas	3.120559e-06	5.749973e-09	6.634806e-06	2.248424e-05
	B_nongas	1.076873e-06	6.630552e-09	2.199125e-06	3.372210e-06
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

B_nongas	6.824372e-05	7.581365e-08	1.336170e-04	1.142547e-04
B_nongas	1.101552e-04	7.110344e-08	3.351835e-04	7.678067e-04
C10-12	1.266237e-07	2.014925e-10	2.605927e-07	2.860362e-07
C10-12	3.206480e-07	1.600672e-10	6.620109e-07	6.513928e-07
C10-12	1.409800e-06	3.272449e-10	2.918009e-06	2.827361e-06
C10-12	4.160359e-06	1.543419e-09	8.679878e-06	1.074993e-05
C10-12	2.560043e-05	1.725808e-08	5.608818e-05	7.767533e-05
C10-12	9.217475e-05	6.429538e-08	2.032882e-04	2.972650e-04
C10-12	2.325316e-07	7.128413e-11	5.089465e-07	6.007231e-07
C10-12	1.469542e-05	1.122914e-08	3.214017e-05	4.141960e-05
C10-12	4.366678e-05	1.168501e-07	1.024503e-04	3.692200e-03
C10-12	2.240789e-05	1.158516e-07	4.758677e-05	2.847151e-03
C10-12	7.838707e-05	3.490876e-07	1.672411e-04	1.104350e-02
C10-12	9.955221e-06	8.701647e-08	3.120333e-05	3.034458e-05
C13-15	5.011770e-05	2.910074e-08	1.260970e-04	2.319996e-04
C13-15	1.399851e-05	2.686288e-08	2.789828e-05	2.932774e-05
C13-15	2.106493e-04	4.323458e-08	1.226748e-03	4.379187e-03
C16	4.425866e-04	2.376242e-07	1.930384e-03	5.875011e-03
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	3.434769e-05	4.260920e-08	6.791444e-05	5.953058e-05
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.976006e-04	3.573422e-08	6.615744e-04	1.694223e-03
C18	1.146461e-05	2.490857e-08	2.323765e-05	2.495087e-05
C19	8.339429e-05	2.039624e-07	1.593953e-04	1.487707e-04
C19	2.062540e-03	5.525067e-07	2.653784e-02	1.755713e-02
C24	9.295655e-05	4.972112e-08	1.769379e-04	1.265942e-04
C20-21	4.339405e-06	3.589664e-08	3.907843e-05	3.678015e-05
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	2.695381e-07	2.100743e-09	2.400741e-06	2.513429e-06
C20-21	5.194201e-02	1.529366e-06	1.026102e-01	6.744354e-02
C20-21	1.182361e-02	4.225856e-07	2.148553e-02	1.351752e-02
C22	1.410898e-04	7.346458e-08	8.124695e-04	2.614778e-03
C23	1.211291e-04	3.370919e-08	3.931645e-04	9.183811e-04
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	3.799026e-05	8.312517e-09	7.520970e-05	5.538364e-05
C23	1.144070e-06	1.903243e-09	2.252722e-06	2.026729e-06
C23	7.221389e-05	1.003483e-07	1.434566e-04	1.442989e-04
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	5.781814e-05	1.231242e-08	1.615054e-04	3.109767e-04
C24	1.494854e-04	1.716027e-07	2.866530e-04	2.324418e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.970405e-05	2.435712e-08	1.730401e-04	1.294549e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.060142e-04	3.715124e-08	2.061585e-04	1.497459e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.801241e-06	4.048638e-09	1.727195e-05	1.282428e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.306247e-04	3.465010e-08	2.534005e-04	1.808275e-04

C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.748101e-05	3.155918e-08	1.310226e-04	9.712099e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.429365e-05	5.953997e-09	2.808015e-05	2.084903e-05
C25_33	3.937433e-04	8.253453e-07	1.147459e-03	2.533300e-03
C25	1.516286e-04	4.105378e-07	3.446882e-04	3.482536e-04
C26	7.415326e-06	7.550187e-10	3.164003e-05	9.667655e-05
C27	4.577328e-04	1.104609e-07	1.845828e-03	5.387601e-03
C27	7.675846e-06	3.377709e-09	1.524619e-05	1.300018e-05
C28_32	3.884956e-05	7.849647e-09	1.471812e-04	4.129869e-04
C29	3.884538e-05	2.094485e-08	7.757095e-05	6.868586e-05
C30	4.013984e-05	1.269108e-08	8.007934e-05	6.922312e-05
C31	4.238576e-04	4.864626e-08	2.041289e-03	6.697712e-03
E37-39	3.879050e-06	1.085928e-09	7.707979e-06	6.482803e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.066178e-05	3.843592e-08	7.296000e-05	1.138322e-04
D35	7.122490e-05	2.275042e-07	1.643699e-04	2.684019e-04
D35	1.568031e-05	3.168048e-08	3.694519e-05	5.898375e-05
D35	1.525270e-05	8.281490e-09	3.667739e-05	5.625186e-05
D35	2.640505e-10	3.529288e-12	7.318437e-10	2.178422e-09
D35	3.971570e-06	2.449710e-09	9.527831e-06	1.456795e-05
D35	2.408183e-07	7.361252e-10	5.590125e-07	9.193540e-07
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	4.090872e-08	1.932367e-12	9.878890e-08	1.485141e-07
D35	8.629634e-07	2.900661e-09	1.995191e-06	3.302484e-06
D35	1.445649e-05	4.157206e-08	3.369319e-05	5.514919e-05
D35	2.960584e-05	9.570115e-08	6.865642e-05	1.134489e-04
D35	4.417644e-05	9.118229e-08	9.095000e-05	1.009225e-04
D35	1.915393e-05	5.402127e-08	4.461259e-05	7.348944e-05
E36	3.710402e-07	2.205628e-09	9.042881e-07	9.937095e-07
F	2.346928e-03	1.305747e-06	5.652059e-03	2.929502e-03
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	3.960550e-05	4.112811e-07	9.597700e-05	2.301441e-04
G47	8.539464e-06	9.128351e-08	2.088268e-05	4.919622e-05
G46	9.970284e-04	8.930397e-06	2.782853e-03	5.465122e-03
G47	1.051464e-04	1.109284e-06	2.464184e-04	8.974853e-04
I	1.614762e-04	3.132749e-08	5.572945e-04	1.560390e-03
H49	5.071514e-03	9.569467e-05	9.045551e-03	2.257615e-02
H49	3.380939e-03	6.052277e-05	6.319768e-03	1.590874e-02
H49	9.694282e-06	1.687427e-07	1.790627e-05	4.526248e-05
H50	4.302791e-03	8.133166e-05	7.749567e-03	1.913547e-02
H50	4.965005e-04	9.390486e-06	8.910875e-04	2.206237e-03
H51	2.139450e-04	1.620988e-06	5.964294e-04	1.615235e-03
H52	4.157565e-03	6.527439e-05	8.602212e-03	2.206501e-02
H53	2.318131e-04	1.598067e-07	7.353199e-04	1.768550e-03
K64	5.798825e-03	6.054637e-06	2.018468e-02	5.487219e-02

	K65	5.843941e-05	1.753017e-07	1.968368e-04	5.237533e-04
	K66	1.368464e-05	8.842500e-11	8.447929e-05	3.249660e-05
	L68	5.355567e-06	7.639829e-09	1.812433e-05	4.621004e-05
	M_N	1.748813e-03	1.415949e-06	6.376062e-03	1.680906e-02
	J62_63	4.074187e-06	0.000000e+00	1.409620e-05	3.831792e-05
	M_N	2.239405e-05	1.108078e-07	7.120944e-05	1.827188e-04
	M_N	3.479638e-03	2.778683e-06	1.272245e-02	3.341212e-02
	O84	9.455302e-05	5.500288e-07	3.473386e-04	6.323133e-04
	P85	2.070169e-06	9.232054e-09	6.201665e-06	1.727488e-05
	M_N	1.494536e-05	1.865436e-08	2.965652e-05	4.505372e-05
	E37-39	4.355547e-08	2.526914e-10	8.760030e-08	1.785014e-07
	E37-39	3.686261e-08	2.363437e-10	7.427593e-08	1.556056e-07
	E37-39	5.991823e-09	6.467445e-11	1.361869e-08	3.866465e-08
	E37-39	1.726260e-07	2.957579e-10	3.050392e-07	4.441249e-07
	E37-39	8.764484e-09	4.405748e-11	1.956381e-08	4.321424e-08
	E37-39	6.003003e-09	4.291863e-11	1.302192e-08	2.930927e-08
	E37-39	9.847413e-09	8.368514e-11	1.978633e-08	4.969617e-08
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.573756e-07	1.494536e-09	3.770803e-07	1.123624e-06
	E37-39	2.586942e-07	2.041454e-09	6.227039e-07	1.677604e-06
	E37-39	1.331167e-05	1.377212e-07	3.451315e-05	1.252102e-04
	E37-39	6.898995e-06	7.012128e-08	1.760138e-05	6.529452e-05
	E37-39	2.500650e-06	3.415994e-08	5.981177e-06	2.048863e-05
	E37-39	9.823757e-06	6.536375e-08	2.343460e-05	5.893814e-05
	E37-39	1.639599e-06	1.724723e-08	3.986154e-06	1.497780e-05
	E37-39	2.124758e-06	2.360678e-08	5.075126e-06	1.848907e-05
	R_S	1.282973e-07	2.571247e-11	4.527852e-07	1.242208e-06
	R_S	6.171235e-06	1.108153e-08	2.119761e-05	1.102116e-04
	R_S	9.286824e-07	0.000000e+00	3.211263e-06	8.728752e-06
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
AU	A01	9.229906e-10	1.492488e-11	1.235636e-08	4.112324e-06
	A01	1.754683e-07	2.837345e-09	2.349048e-06	1.625344e-04
	A01	1.571364e-07	2.548254e-09	2.108375e-06	1.088805e-04
	A01	2.282056e-07	3.769451e-09	4.599083e-07	5.120769e-05
	A01	3.922570e-08	6.479217e-10	7.905252e-08	3.391181e-06
	A01	9.253833e-08	1.528499e-09	1.864955e-07	1.781010e-05
	A01	2.072661e-07	3.439807e-09	4.161595e-07	1.519061e-05
	A01	6.070666e-08	1.002739e-09	9.586882e-04	3.059967e-02
	A01	2.441456e-07	3.943108e-09	3.265403e-06	4.615128e-04
	A01	5.112958e-09	7.620233e-11	1.542190e-08	7.297163e-06
	A01	1.773530e-08	2.643228e-10	5.349389e-08	6.197406e-05
	A01	6.260555e-08	9.330585e-10	1.888332e-07	4.665381e-05
	A01	7.835780e-12	1.163766e-13	1.120504e-10	9.706001e-05

A01	1.705767e-07	2.758715e-09	2.283882e-06	1.386967e-04
A01	6.083017e-08	9.065986e-10	1.834783e-07	4.450689e-06
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	2.317953e-08	1.874708e-11	8.441666e-08	4.488878e-07
A03	2.358742e-08	1.882536e-11	8.621522e-08	5.057579e-05
B_nongas	4.524713e-06	1.548017e-08	1.530356e-05	4.004950e-05
B_nongas	1.865866e-06	1.487872e-09	6.821095e-06	1.791232e-05
B_gas	6.651401e-06	5.303696e-09	2.431563e-05	6.385330e-05
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	8.920812e-07	6.979129e-10	3.293125e-06	8.725361e-06
B_nongas	2.955928e-06	2.357559e-09	1.080656e-05	2.838156e-05
B_nongas	2.762752e-06	2.170556e-09	1.017664e-05	2.691051e-05
B_nongas	6.547455e-08	5.086732e-11	2.424832e-07	6.443797e-07
B_nongas	3.275395e-08	2.544661e-11	1.213034e-07	3.223539e-07
B_nongas	3.591586e-06	2.818882e-09	1.323823e-05	3.502647e-05
B_nongas	6.604575e-08	5.131108e-11	2.445986e-07	6.500012e-07
B_nongas	7.052326e-08	5.615720e-11	2.577392e-07	6.763182e-07
B_nongas	5.165022e-07	4.119552e-10	1.888301e-06	4.959194e-06
B_nongas	5.662784e-06	1.161217e-09	2.604253e-05	8.216875e-05
B_nongas	5.006485e-04	3.054863e-10	2.144261e-03	6.577639e-03
C10-12	9.995768e-08	6.126849e-10	2.985171e-07	7.792070e-07
C10-12	2.677400e-07	2.135210e-10	9.788253e-07	2.570817e-06
C10-12	1.924769e-07	1.534663e-10	7.036832e-07	1.848146e-06
C10-12	2.532940e-08	1.552578e-10	7.564439e-08	1.974513e-07
C10-12	2.702146e-08	2.154494e-11	9.878949e-08	1.926646e-05
C10-12	1.317510e-07	1.049650e-10	4.816244e-07	1.264838e-06
C10-12	5.510894e-08	3.155148e-10	1.673486e-07	4.370265e-07
C10-12	2.075387e-07	8.453220e-10	6.733444e-07	1.762186e-06
C10-12	7.331371e-07	5.844218e-10	2.680251e-06	3.289917e-03
C10-12	1.797180e-07	1.432767e-10	6.570158e-07	6.885110e-03
C10-12	2.282335e-08	1.818253e-11	8.343345e-08	2.122882e-03
C10-12	1.302814e-09	1.332210e-11	3.210686e-09	8.350772e-09
C13-15	6.056112e-06	6.531096e-11	4.242001e-05	1.670180e-04
C13-15	2.501291e-07	1.463899e-10	1.355866e-06	4.766621e-06
C13-15	8.529882e-07	1.883378e-11	5.317141e-06	1.942722e-05
C16	7.287826e-06	1.270966e-09	3.605003e-05	1.182212e-04
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.218421e-09	2.130231e-11	5.657701e-09	1.468273e-08
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.111956e-05	1.947632e-10	4.307886e-05	1.249366e-04
C18	2.151061e-06	1.261304e-09	8.183646e-06	2.249643e-05
C19	3.501116e-09	2.485523e-11	1.002955e-08	2.614203e-08
C19	8.642104e-06	3.444174e-08	1.382224e-04	8.950834e-05
C24	1.454371e-08	1.032457e-10	4.166273e-08	1.085914e-07
C20-21	4.043763e-08	3.730219e-10	1.055837e-07	2.733513e-07
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.386367e-10	1.278892e-12	3.601485e-10	9.353358e-10

C20-21	1.589275e-03	4.330031e-08	3.124665e-03	2.051695e-03
C20-21	1.452466e-03	3.505161e-08	2.610238e-03	1.640709e-03
C22	1.703642e-05	6.039300e-09	9.433115e-05	3.180714e-04
C23	7.884766e-06	1.869171e-09	3.435764e-05	1.019769e-04
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.437475e-07	1.787392e-11	6.465050e-07	1.951165e-06
C23	1.040781e-08	8.301779e-12	3.805042e-08	9.993389e-08
C23	6.242871e-07	4.930423e-10	2.292517e-06	6.042124e-06
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.793793e-06	6.525966e-11	8.417134e-06	2.599090e-05
C24	1.354540e-06	6.873867e-10	5.982258e-06	1.674302e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.370541e-06	1.179199e-09	3.173084e-05	1.046666e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.598757e-07	5.342495e-10	4.595206e-06	1.490170e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.090879e-07	1.720327e-10	1.479694e-06	4.798470e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.416932e-07	4.994818e-10	3.884459e-06	1.230782e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.424665e-07	4.689017e-10	4.033134e-06	1.307897e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.260731e-08	3.484610e-11	2.997196e-07	9.719544e-07
C25_33	3.660433e-05	8.087451e-09	1.856161e-04	5.520868e-04
C25	3.406910e-05	1.497224e-09	9.611788e-05	3.173145e-05
C26	5.434464e-06	1.343594e-10	2.683891e-05	8.894035e-05
C27	5.533536e-04	1.354636e-07	2.301656e-03	6.860219e-03
C27	2.042506e-07	1.627985e-10	7.467090e-07	1.961174e-06
C28_32	2.505409e-05	3.633209e-10	1.450759e-04	5.152444e-04
C29	1.147394e-06	7.539663e-10	4.273703e-06	1.152653e-05
C30	6.462900e-07	5.158347e-10	2.362054e-06	6.204988e-06
C31	8.749409e-05	1.411306e-10	4.705141e-04	1.616434e-03
E37-39	1.096530e-08	1.517041e-10	2.213793e-08	5.685031e-08
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.403014e-07	1.910357e-10	8.767926e-07	2.297460e-06
D35	3.573736e-08	2.844320e-11	1.304566e-07	3.420951e-07
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.653427e-08	1.315160e-11	6.034227e-08	1.581716e-07
D35	3.053427e-09	2.428740e-12	1.114357e-08	2.920996e-08
D35	3.132041e-09	2.491270e-12	1.143047e-08	2.996200e-08
D35	3.558934e-09	2.830827e-12	1.298842e-08	3.404578e-08
D35	1.150794e-10	9.153582e-14	4.199854e-10	1.100883e-09
D35	4.654751e-12	3.710991e-15	1.698960e-11	4.453022e-11
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.475672e-10	4.355429e-13	1.998361e-09	5.238186e-09
D35	4.621227e-08	3.605563e-11	1.674192e-07	4.334117e-07
D35	3.800049e-07	2.998122e-10	1.382733e-06	3.604185e-06

D35	1.033050e-09	1.828039e-13	2.578111e-09	1.746321e-09
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	7.710849e-08	6.132924e-11	2.814505e-07	7.376025e-07
F	1.959730e-05	2.691681e-08	6.986492e-05	1.820048e-04
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	2.322226e-05	6.631637e-08	6.608092e-05	3.294460e-04
G47	1.728578e-06	1.399691e-08	4.643607e-06	1.378398e-05
G46	1.826843e-03	9.295801e-07	4.563505e-03	9.210729e-03
G47	3.283532e-05	1.099038e-07	9.442504e-05	4.834063e-04
I	2.535745e-04	9.296001e-11	8.855405e-04	2.406522e-03
H49	8.993417e-05	1.692366e-06	1.609867e-04	4.018850e-04
H49	5.281761e-04	9.453036e-06	9.886998e-04	2.488326e-03
H49	4.688927e-07	8.865645e-09	8.352835e-07	2.083775e-06
H50	2.558171e-04	4.843991e-06	4.549805e-04	1.134833e-03
H50	7.370954e-07	1.395139e-08	1.311548e-06	3.271489e-06
H51	7.494441e-05	5.806495e-07	2.081858e-04	5.531751e-04
H52	2.137760e-04	3.359445e-06	4.415020e-04	1.129395e-03
H53	2.086271e-05	1.853660e-08	7.467395e-05	2.005392e-04
K64	5.220610e-06	4.664430e-09	1.874797e-05	4.977511e-05
K65	5.429583e-07	6.507517e-10	1.953410e-06	5.144100e-06
K66	1.833736e-06	1.324435e-09	7.151896e-06	1.631375e-05
L68	5.677624e-06	5.325279e-09	2.012478e-05	5.441900e-05
M_N	1.000853e-06	8.076432e-10	3.651129e-06	9.617814e-06
J62_63	2.272136e-06	1.605730e-09	8.251334e-06	2.176693e-05
M_N	3.088535e-07	1.810952e-13	1.071690e-06	2.913547e-06
M_N	5.508664e-04	4.398973e-07	2.014107e-03	5.289519e-03
O84	2.560854e-06	1.822215e-09	9.308963e-06	2.453656e-05
P85	2.280436e-06	1.814436e-09	8.336295e-06	2.189570e-05
M_N	5.926856e-07	4.722612e-10	2.166134e-06	5.690627e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	9.823841e-08	7.429211e-11	3.590172e-07	9.466578e-07
E37-39	1.036803e-08	8.279252e-12	7.423852e-08	2.017430e-07
E37-39	7.928599e-09	5.420761e-12	2.898953e-08	7.693505e-08
E37-39	9.397488e-09	6.372869e-13	3.444466e-08	9.661575e-08
E37-39	6.891408e-11	5.378356e-14	2.515653e-10	6.613454e-10
E37-39	1.469154e-08	6.493950e-12	5.364956e-08	1.452357e-07
E37-39	1.309622e-07	1.016390e-10	4.781966e-07	1.256141e-06
E37-39	5.128128e-09	2.097092e-12	1.861699e-08	5.038258e-08
E37-39	3.692298e-08	2.717177e-11	1.348867e-07	3.562190e-07
E37-39	5.419269e-09	4.327485e-12	6.557417e-08	1.794050e-07
E37-39	2.387496e-08	1.828222e-11	8.367622e-08	2.198140e-07
E37-39	4.204071e-09	3.357104e-12	4.522181e-08	1.236265e-07

	E37-39	7.768180e-09	1.372230e-12	2.823395e-08	7.803023e-08
	R_S	1.834254e-08	1.414826e-11	6.694042e-08	1.759996e-07
	R_S	1.775740e-05	1.355628e-09	6.286943e-05	1.722794e-04
	R_S	6.543822e-08	2.176549e-11	2.316847e-07	6.205963e-07
	T	5.338886e-09	4.256804e-12	1.951880e-08	5.126356e-08
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CH	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	4.266877e-08	6.106225e-11	1.529178e-07	4.020945e-07
	A01	2.585544e-08	3.700109e-11	9.266161e-08	6.922695e-04
	A01	1.874242e-07	2.730138e-10	6.712181e-07	5.742608e-05
	A01	9.232111e-09	1.321185e-11	3.308628e-08	8.699973e-08
	A01	3.097612e-08	4.432917e-11	1.110133e-07	2.919073e-07
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	4.487991e-08	6.422656e-11	2.097540e-02	6.680119e-01
	A01	3.017518e-07	4.319887e-10	1.081410e-06	2.843551e-06
	A01	2.162839e-07	3.095186e-10	7.751255e-07	2.038178e-06
	A01	2.380341e-07	3.406448e-10	8.530747e-07	2.243144e-06
	A01	1.674662e-08	2.396568e-11	6.001711e-08	1.578139e-07
	A01	1.039240e-08	1.487232e-11	3.724439e-08	9.793338e-08
	A01	4.363136e-07	6.243978e-10	1.563676e-06	4.111655e-06
	A01	3.559808e-12	3.977014e-14	8.181262e-12	2.156611e-11
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0.000000e+00	0.000000e+00	1.366667e-05	4.097011e-05
	A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	9.006204e-08	3.972194e-11	4.085214e-07	1.244034e-06
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.109521e-05	1.540344e-09	5.371772e-05	1.749288e-04
	B_nongas	2.990556e-06	3.172698e-09	1.302101e-05	3.938725e-05
	B_nongas	3.155226e-04	2.821800e-09	1.351393e-03	4.144818e-03
	C10-12	1.011264e-06	1.094986e-09	3.661034e-06	9.590646e-06
	C10-12	2.315007e-06	2.506664e-09	8.380912e-06	2.195510e-05
	C10-12	1.826688e-06	1.977918e-09	6.613075e-06	1.732398e-05
	C10-12	2.634661e-06	2.852779e-09	9.538138e-06	2.498663e-05
	C10-12	1.276697e-05	1.382388e-08	4.621941e-05	2.043058e-03
	C10-12	2.400009e-04	2.708651e-07	8.675088e-04	1.302010e-02
	C10-12	5.395583e-07	5.842273e-10	1.953337e-06	5.117070e-06
	C10-12	1.243367e-05	1.346302e-08	4.501301e-05	1.996060e-03

C10-12	3.049136e-04	3.235404e-07	1.104700e-03	8.042791e-01
C10-12	4.899585e-05	5.724179e-08	1.768453e-04	1.824193e-01
C10-12	1.264888e-06	1.369605e-09	4.579214e-06	8.404136e-03
C10-12	6.578605e-05	1.168143e-07	2.455349e-04	6.222216e-04
C13-15	5.743380e-04	1.530643e-08	3.293665e-03	1.202468e-02
C13-15	1.377723e-06	1.552863e-09	9.451308e-06	8.201735e-04
C13-15	8.135747e-05	1.863296e-09	5.124946e-04	1.880825e-03
C16	4.569079e-04	1.583090e-07	2.137519e-03	6.752860e-03
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	6.809388e-08	4.307686e-10	2.070711e-07	5.409310e-07
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.753094e-03	3.576582e-09	6.799869e-03	1.975978e-02
C18	2.273438e-05	7.772689e-09	1.036267e-04	4.079513e-04
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	4.429952e-03	4.474339e-07	7.261967e-02	4.777006e-02
C24	2.407229e-07	6.782513e-10	9.074213e-07	2.752341e-06
C20-21	3.393107e-06	9.557893e-09	1.305108e-05	3.967686e-05
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.912288e-08	1.539067e-11	6.990296e-08	1.835805e-07
C20-21	2.012579e-02	5.453100e-07	3.957030e-02	2.598647e-02
C20-21	5.207555e-01	1.232779e-05	9.352296e-01	5.855181e-01
C22	4.090366e-03	1.420318e-06	2.277807e-02	7.695026e-02
C23	1.759610e-03	3.961608e-07	7.696875e-03	2.289978e-02
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.604163e-05	1.975223e-09	7.304836e-05	2.226428e-04
C23	1.757754e-06	3.779847e-11	8.172613e-06	2.525908e-05
C23	1.145936e-05	9.517818e-09	4.653703e-05	1.350587e-04
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.016294e-04	5.768771e-09	9.509145e-04	2.945991e-03
C24	1.093609e-06	7.735026e-09	3.022835e-06	5.062340e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.068062e-06	4.291902e-08	1.677268e-05	2.808920e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.966926e-07	6.342250e-09	2.478541e-06	4.150811e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.887497e-08	5.578778e-10	2.180177e-07	3.651141e-07
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.624284e-07	2.563434e-09	1.001786e-06	1.677690e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.955826e-08	4.919812e-10	1.922654e-07	3.219868e-07
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.131129e-07	2.214628e-09	8.654730e-07	1.449407e-06
C25_33	5.760248e-03	1.279554e-06	2.943744e-02	8.603299e-02
C25	2.327005e-03	1.358861e-07	6.297413e-03	2.188376e-03
C26	4.626737e-04	8.065687e-09	2.306867e-03	7.677098e-03
C27	2.486457e-02	6.084134e-06	1.035977e-01	3.090620e-01
C27	1.087546e-03	3.002762e-07	4.507672e-03	1.338162e-02
C28_32	2.806590e-03	9.881973e-08	1.632294e-02	5.810517e-02

C29	1.701210e-05	2.522627e-11	6.897420e-05	2.068241e-04
C30	1.200923e-05	1.897122e-07	2.691310e-05	7.028629e-05
C31	3.937115e-03	4.128367e-10	2.118559e-02	7.280282e-02
E37-39	4.604795e-06	9.668133e-09	1.584532e-05	4.131031e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	8.858011e-08	2.019524e-10	3.015217e-07	7.550369e-07
D35	3.455988e-06	7.858998e-09	1.176597e-05	2.946303e-05
D35	4.360225e-06	9.915255e-09	1.484445e-05	3.717185e-05
D35	2.156547e-08	3.478065e-10	4.435881e-08	1.120273e-07
D35	2.867088e-08	6.439807e-11	9.771446e-08	2.450415e-07
D35	2.957155e-07	6.724640e-10	1.006768e-06	2.521037e-06
D35	3.816901e-09	6.909657e-12	1.304025e-08	3.251077e-08
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.957452e-06	8.999340e-09	1.347321e-05	3.373812e-05
D35	9.446664e-06	2.148194e-08	3.216132e-05	8.053482e-05
D35	7.871578e-07	1.790015e-09	2.679891e-06	6.710688e-06
D35	4.575058e-08	2.226385e-10	1.460933e-07	3.727973e-07
E36	2.138444e-05	5.071507e-08	7.376708e-05	1.895602e-04
F	1.660478e-03	4.260938e-07	4.321019e-03	3.771872e-03
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	8.303952e-05	4.408256e-07	2.207228e-04	5.901550e-04
G47	3.096291e-05	2.777049e-07	8.310131e-05	2.192635e-04
G46	7.486478e-03	2.651184e-05	1.645518e-02	9.996371e-02
G47	5.826172e-03	1.006987e-05	1.307485e-02	8.562608e-02
I	1.084619e-03	1.145226e-06	3.711989e-03	1.062205e-02
H49	1.160023e-02	2.186117e-04	2.072912e-02	5.174056e-02
H49	1.395657e-02	2.493925e-04	2.616350e-02	6.585177e-02
H49	1.721796e-05	2.306158e-07	3.972808e-05	1.012070e-04
H50	1.521918e-03	2.832891e-05	2.754783e-03	6.885118e-03
H50	9.289488e-05	1.716101e-06	1.693274e-04	4.232337e-04
H51	3.744331e-04	3.039580e-06	1.033222e-03	2.735966e-03
H52	7.301452e-03	1.147468e-04	1.509155e-02	3.859246e-02
H53	1.254361e-03	1.822920e-06	4.403387e-03	1.183111e-02
K64	6.239628e-03	6.509192e-06	2.172294e-02	5.904747e-02
K65	3.010028e-03	9.010934e-06	1.014084e-02	2.698219e-02
K66	3.935080e-05	3.060691e-08	1.520554e-04	3.486819e-04
L68	1.197809e-04	1.324763e-07	4.245789e-04	1.195984e-03
M_N	1.969209e-03	1.609279e-06	7.169427e-03	1.896642e-02
J62_63	5.650310e-05	1.054235e-08	2.081160e-04	5.798271e-04
M_N	7.550260e-03	1.817397e-07	1.434349e-02	9.074640e-03
M_N	2.831788e-02	2.271476e-05	1.034650e-01	2.722018e-01
O84	1.459398e-04	8.592343e-07	4.427914e-04	5.418716e-03
P85	5.906412e-05	6.092257e-08	2.153646e-04	9.163288e-04
M_N	5.004793e-05	5.417030e-08	2.352445e-04	1.985376e-03

	E37-39	8.184760e-06	8.937099e-09	6.183815e-05	1.150912e-03
	E37-39	6.333718e-06	6.881441e-09	4.773013e-05	8.865172e-04
	E37-39	8.626107e-07	6.645280e-10	5.529179e-06	8.818548e-05
	E37-39	1.046499e-04	1.437776e-09	1.838732e-04	3.850999e-04
	E37-39	1.345183e-06	1.458629e-09	1.012678e-05	1.878963e-04
	E37-39	1.594388e-06	1.737204e-09	1.203278e-05	2.237027e-04
	E37-39	1.642687e-06	1.786793e-09	1.238650e-05	2.301172e-04
	E37-39	7.927333e-07	8.609950e-10	5.972847e-06	1.108974e-04
	E37-39	1.052244e-07	1.154472e-10	8.220367e-07	1.492987e-05
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	4.014939e-06	3.853722e-09	2.844570e-05	5.013138e-04
	E37-39	7.501453e-07	8.230231e-10	5.681598e-06	1.059283e-04
	E37-39	1.234688e-06	1.331454e-09	9.268684e-06	1.715839e-04
	E37-39	2.356029e-06	2.562227e-09	1.776369e-05	3.299886e-04
	E37-39	5.283530e-07	5.796837e-10	4.001747e-06	7.460902e-05
	E37-39	2.237714e-07	2.456702e-10	1.695440e-06	3.161728e-05
	E37-39	1.803852e-07	1.979101e-10	1.403249e-06	2.557507e-05
	E37-39	1.853150e-07	2.030291e-10	1.401577e-06	2.613084e-05
	E37-39	7.776973e-08	8.532518e-11	5.890276e-07	1.098261e-05
	E37-39	9.331182e-08	1.023772e-10	7.067434e-07	1.317717e-05
	R_S	7.546419e-06	2.657036e-08	4.036467e-05	5.391211e-04
	R_S	1.378478e-04	8.469798e-08	5.335854e-04	2.953487e-03
	R_S	1.780097e-05	9.246225e-09	6.880255e-05	3.114904e-04
	T	2.377700e-06	1.764083e-09	9.595442e-06	4.977379e-05
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
TR	A01	2.052356e-06	4.852366e-11	3.693067e-06	2.591228e-04
	A01	2.823494e-05	6.675560e-10	5.080674e-05	1.204610e-03
	A01	1.849336e-05	4.372368e-10	3.327747e-05	5.595848e-03
	A01	3.057323e-04	7.206003e-09	5.490299e-04	2.684462e-02
	A01	1.783784e-05	4.217383e-10	3.209791e-05	1.944048e-03
	A01	1.046363e-05	2.473905e-10	1.882854e-05	1.168849e-03
	A01	2.782683e-05	6.573584e-10	5.004482e-05	2.236749e-03
	A01	4.156260e-05	9.810875e-10	1.054660e-02	3.361201e-01
	A01	6.614290e-05	1.561093e-09	1.188804e-04	3.967497e-03
	A01	5.376910e-07	1.267326e-11	9.655615e-07	6.057175e-07
	A01	1.755194e-04	4.144695e-09	3.155695e-04	1.481191e-02
	A01	5.177717e-05	1.222267e-09	9.307180e-05	3.315080e-03
	A01	4.523110e-06	1.069395e-10	8.139011e-06	4.646888e-04
	A01	7.626582e-05	1.801249e-09	1.371352e-04	5.701783e-03
	A01	7.078522e-07	1.673568e-11	1.273729e-06	7.272246e-05
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	1.346023e-07	1.038371e-10	5.092279e-07	1.387476e-06
	A03	1.801903e-07	3.360418e-09	3.250597e-07	8.128927e-07
	B_nongas	1.832092e-07	1.410526e-10	6.000123e-07	1.079714e-06
	B_nongas	3.365176e-09	5.005808e-11	6.354281e-09	1.626149e-08
	B_gas	1.150098e-09	1.710807e-11	2.171668e-09	5.557599e-09
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.412643e-09	3.932055e-12	5.246207e-09	1.336843e-08
B_nongas	1.387387e-08	1.970558e-11	4.226183e-08	7.149642e-08
B_nongas	7.077461e-12	3.280787e-14	1.842942e-11	2.443995e-11
B_nongas	1.922997e-10	5.352401e-13	7.141432e-10	1.819721e-09
B_nongas	9.526179e-09	1.467977e-11	2.958120e-08	5.272654e-08
B_nongas	8.419497e-10	2.343583e-12	3.126798e-09	7.967786e-09
B_nongas	9.947199e-09	9.366475e-12	2.796885e-08	3.620677e-08
B_nongas	3.276700e-05	7.434407e-12	1.606562e-04	5.264219e-04
B_nongas	6.300248e-06	1.403715e-10	3.079141e-05	1.004200e-04
B_nongas	4.082844e-03	6.780145e-11	1.748861e-02	5.365217e-02
C10-12	6.334133e-08	9.991741e-12	1.672010e-07	1.382583e-06
C10-12	1.284934e-13	1.826769e-15	2.527423e-13	6.499291e-13
C10-12	3.545959e-06	5.075714e-10	9.363597e-06	7.746155e-05
C10-12	1.751250e-08	2.762562e-12	4.622871e-08	3.822773e-07
C10-12	2.699855e-06	3.882349e-10	7.253540e-06	5.863522e-04
C10-12	1.534350e-05	1.043526e-09	4.218494e-05	8.116800e-04
C10-12	1.003289e-07	1.578460e-11	2.717477e-07	2.321249e-06
C10-12	9.742067e-07	1.418800e-10	2.639417e-06	2.125339e-05
C10-12	2.498354e-05	2.304159e-09	6.723748e-05	2.003548e-01
C10-12	7.534152e-07	1.191552e-10	2.023550e-06	2.170072e-02
C10-12	7.155742e-07	1.097377e-10	1.922107e-06	2.066063e-01
C10-12	1.088038e-05	1.602443e-06	3.070457e-04	5.872757e-05
C13-15	1.010744e-03	1.595760e-08	5.828810e-03	2.240449e-02
C13-15	2.953384e-05	1.281687e-09	1.785295e-04	7.039340e-04
C13-15	2.081348e-04	3.239881e-10	1.287327e-03	4.694382e-03
C16	3.663957e-04	4.681478e-09	1.957660e-03	6.743107e-03
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	6.389914e-07	3.358153e-11	1.324127e-06	1.714651e-06
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.697093e-04	2.743590e-09	5.325495e-04	1.314990e-03
C18	2.501264e-05	1.573594e-08	9.289234e-05	2.498401e-04
C19	7.077563e-07	1.998640e-11	1.313855e-06	2.103799e-06
C19	1.303746e-04	5.033386e-09	1.177245e-03	8.804519e-04
C24	7.315658e-09	2.087710e-13	1.324201e-08	1.275790e-08
C20-21	1.046571e-05	2.840698e-09	5.357335e-05	1.826010e-04
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.466514e-08	1.082479e-11	7.056982e-08	2.428248e-07
C20-21	3.347924e-04	9.273562e-09	6.614549e-04	4.492880e-04
C20-21	9.849083e-03	2.548277e-07	1.809804e-02	1.305787e-02
C22	1.650381e-03	5.099600e-07	8.680040e-03	2.868095e-02
C23	2.549985e-04	5.346240e-08	1.090062e-03	3.203807e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	3.707631e-05	1.436764e-09	1.407559e-04	3.847350e-04
C23	1.279668e-07	1.111525e-11	4.747242e-07	1.330486e-06
C23	6.622786e-06	6.818043e-10	2.074328e-05	4.905941e-05
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.307040e-04	1.609079e-09	5.824857e-04	1.754678e-03

C24	3.254902e-04	1.025594e-08	1.356996e-03	4.056097e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.506258e-06	4.459906e-10	2.250197e-05	3.955727e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.074990e-06	4.787368e-10	2.376052e-05	4.090826e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.568960e-07	6.276323e-11	1.792046e-06	3.348786e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.582718e-06	4.000144e-10	1.985339e-05	3.418139e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.654856e-07	1.538409e-11	4.707905e-07	9.453045e-07
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.398770e-06	3.331533e-10	8.891219e-06	1.532431e-05
C25_33	7.202303e-04	1.276297e-07	3.682525e-03	1.110858e-02
C25	3.624503e-04	2.616400e-08	1.238943e-03	1.979127e-03
C26	1.314702e-06	2.702014e-10	6.510473e-06	2.164598e-05
C27	4.566997e-03	1.111959e-06	1.901469e-02	5.668859e-02
C27	6.598870e-05	1.565001e-08	2.771837e-04	8.309726e-04
C28_32	4.071978e-05	1.465636e-09	2.254646e-04	7.845970e-04
C29	1.420274e-04	3.022433e-08	5.970300e-04	1.755539e-03
C30	2.818114e-06	5.742382e-10	1.354052e-05	4.357265e-05
C31	2.633234e-05	5.950624e-09	1.366603e-04	4.216762e-04
E37-39	1.945324e-06	8.257860e-11	3.713941e-06	3.199271e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	9.143236e-05	2.237632e-08	3.803514e-04	1.133774e-03
D35	2.243258e-04	5.487768e-08	9.331902e-04	2.781739e-03
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	8.060523e-05	1.970296e-08	3.353250e-04	9.995899e-04
D35	1.861555e-07	4.601734e-11	7.741248e-07	2.306904e-06
D35	3.938040e-06	9.734668e-10	1.637633e-05	4.880183e-05
D35	1.324233e-07	5.329395e-11	5.319529e-07	1.536995e-06
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	7.910867e-08	1.955554e-11	3.289721e-07	9.803422e-07
D35	5.974196e-07	1.476812e-10	2.484360e-06	7.403432e-06
D35	1.798806e-04	4.397271e-08	7.483178e-04	2.230700e-03
D35	4.796555e-04	1.173201e-07	1.995367e-03	5.948001e-03
D35	3.097890e-05	7.582906e-09	1.288689e-04	3.841381e-04
D35	1.912475e-06	4.896973e-10	7.937569e-06	2.361435e-05
E36	1.144434e-05	4.292627e-09	3.646216e-05	5.398993e-05
F	2.045410e-04	1.373567e-08	8.065530e-04	2.055622e-03
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	9.820876e-05	2.283322e-08	3.616818e-04	1.003737e-03
G47	7.352892e-06	1.669877e-08	2.427044e-05	6.676618e-05
G46	1.101188e-04	1.059896e-06	2.875121e-04	9.608935e-04
G47	3.024802e-05	1.145331e-07	9.315210e-05	2.330430e-04
I	9.901297e-04	3.500645e-09	3.460958e-03	9.411685e-03

	H49	2.607160e-03	4.895363e-05	4.673826e-03	1.167470e-02
	H49	5.615699e-03	1.004361e-04	1.051525e-02	2.647044e-02
	H49	5.331162e-05	8.582197e-07	1.082779e-04	2.762830e-04
	H50	5.120528e-04	9.666146e-06	9.134347e-04	2.279701e-03
	H50	2.759634e-05	5.213343e-07	4.919441e-05	1.227625e-04
	H51	1.196779e-04	1.204159e-06	3.071792e-04	8.096695e-04
	H52	1.266685e-03	2.002646e-05	2.606310e-03	6.664891e-03
	H53	8.139028e-05	7.302550e-08	2.908046e-04	7.824959e-04
	K64	3.556602e-04	3.706539e-07	1.238980e-03	3.369896e-03
	K65	2.185822e-05	6.557391e-08	7.363732e-05	1.959510e-04
	K66	3.038916e-07	7.146200e-12	1.825347e-06	1.174466e-06
	L68	7.557400e-06	7.034532e-09	2.689019e-05	7.293748e-05
	M_N	2.231202e-07	1.648020e-10	8.276024e-07	2.225621e-06
	J62_63	6.577885e-07	1.128630e-10	2.539477e-06	7.330896e-06
	M_N	3.092275e-10	0.000000e+00	1.072949e-09	2.917035e-09
	M_N	1.376698e-03	1.073589e-06	5.089191e-03	1.350611e-02
	O84	1.483163e-06	1.194324e-09	5.118229e-06	1.380104e-05
	P85	3.050173e-05	6.185308e-11	1.634334e-04	5.604967e-04
	M_N	1.690413e-05	1.277615e-08	6.330010e-05	1.700280e-04
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	5.495109e-10	0.000000e+00	9.249726e-10	1.063767e-09
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	3.639447e-10	0.000000e+00	1.332818e-09	3.757724e-09
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	3.277856e-09	0.000000e+00	1.201880e-08	3.391234e-08
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.833745e-09	0.000000e+00	6.700661e-09	1.886510e-08
	E37-39	9.148190e-10	0.000000e+00	3.354282e-09	9.464369e-09
	E37-39	6.987722e-10	0.000000e+00	2.519473e-09	7.032098e-09
	E37-39	8.135210e-10	0.000000e+00	2.956199e-09	8.293141e-09
	E37-39	0.000000e+00	0.000000e+00	1.285479e-08	3.577564e-08
	E37-39	2.753316e-10	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	8.385066e-09	2.338388e-08
	E37-39	2.243947e-09	0.000000e+00	8.142846e-09	2.282295e-08
	R_S	3.078444e-10	0.000000e+00	1.302684e-09	3.981909e-09
	R_S	1.301149e-05	7.528747e-09	5.129826e-05	1.451453e-04
	R_S	4.884007e-07	1.205532e-11	1.860419e-06	5.393687e-06
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
TW	A01	0.000000e+00	0.000000e+00	0.000000e+00	3.270445e-06
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	3.846807e-06
	A01	0.000000e+00	0.000000e+00	0.000000e+00	1.372120e-05

A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	1.216483e-03	3.874210e-02
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0.000000e+00	0.000000e+00	4.805364e-08	1.440558e-07
A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.729183e-07	0.000000e+00	8.516634e-07	2.802864e-06
B_nongas	1.148839e-03	0.000000e+00	4.920989e-03	1.509683e-02
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	6.065297e-05
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	1.085407e-05
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	5.425705e-06
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	1.635419e-02
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	1.104197e-03
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	3.806694e-08	5.643700e-09	1.080077e-06	2.023363e-07
C13-15	9.423261e-05	0.000000e+00	6.643809e-04	2.622027e-03
C13-15	2.069135e-07	0.000000e+00	2.127701e-06	9.333614e-06
C13-15	3.569977e-05	0.000000e+00	2.251381e-04	8.263749e-04
C16	4.782308e-05	1.330776e-08	2.242094e-04	7.086638e-04
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

[illegible]

D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
F	8.322846e-06	1.144258e-09	2.012400e-05	9.134070e-06
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	3.614407e-07	0.000000e+00	7.531005e-07	1.942537e-06
G47	3.949012e-07	3.560218e-09	1.044311e-06	2.743517e-06
G46	1.250326e-05	1.861239e-07	2.359334e-05	6.037367e-05
G47	2.329896e-07	3.586290e-09	4.270795e-07	1.088468e-06
I	1.886294e-05	0.000000e+00	6.587284e-05	1.790159e-04
H49	1.100577e-04	2.078740e-06	1.962105e-04	4.896136e-04
H49	3.510925e-04	6.300886e-06	6.554892e-04	1.649244e-03
H49	3.239688e-07	6.134562e-09	5.761813e-07	1.437135e-06
H50	2.307196e-05	4.368828e-07	4.103369e-05	1.023479e-04
H50	5.156694e-07	9.764539e-09	9.171225e-07	2.287525e-06
H51	3.903934e-06	2.960634e-08	1.087883e-05	2.894912e-05
H52	1.377077e-04	2.166795e-06	2.841148e-04	7.267242e-04
H53	4.392181e-06	3.943167e-09	1.569315e-05	4.222749e-05
K64	1.126825e-07	1.176535e-10	3.922277e-07	1.066274e-06
K65	1.911171e-05	5.739394e-08	6.436700e-05	1.712661e-04
K66	1.420564e-07	0.000000e+00	8.797647e-07	3.296640e-07
L68	4.670772e-06	4.384673e-09	1.655313e-05	4.476812e-05
M_N	5.212356e-08	4.220252e-11	1.900392e-07	5.009958e-07
J62_63	7.773358e-08	0.000000e+00	2.689490e-07	7.310880e-07
M_N	4.320119e-07	0.000000e+00	1.498983e-06	4.075297e-06
M_N	3.141012e-04	2.508271e-07	1.148435e-03	3.016057e-03
O84	1.232186e-07	0.000000e+00	4.265861e-07	1.159652e-06
P85	1.977100e-10	0.000000e+00	6.859102e-10	1.864785e-09
M_N	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	7.260208e-09	0.000000e+00	2.657708e-08	7.491144e-08
E37-39	1.101158e-08	0.000000e+00	4.032891e-08	1.137079e-07
E37-39	4.481888e-08	0.000000e+00	1.642774e-07	4.634208e-07
E37-39	2.139358e-05	0.000000e+00	3.601107e-05	4.141463e-05
E37-39	3.170931e-09	0.000000e+00	1.158106e-08	3.259495e-08
E37-39	2.178568e-09	0.000000e+00	7.972750e-09	2.246836e-08
E37-39	2.680324e-09	0.000000e+00	9.815731e-09	2.767431e-08
E37-39	1.641350e-09	0.000000e+00	5.989957e-09	1.685031e-08
E37-39	0.000000e+00	0.000000e+00	3.074509e-09	8.645193e-09
E37-39	3.544855e-10	0.000000e+00	1.296859e-09	3.653969e-09

	E37-39	9.107628e-08	0.000000e+00	3.339463e-07	9.422652e-07
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	4.625323e-09	0.000000e+00	1.690133e-08	4.758414e-08
	E37-39	4.390979e-09	0.000000e+00	1.609999e-08	4.542739e-08
	E37-39	6.037081e-10	0.000000e+00	2.176712e-09	6.075420e-09
	E37-39	9.021676e-10	0.000000e+00	3.278326e-09	9.196816e-09
	E37-39	0.000000e+00	0.000000e+00	5.560871e-09	1.547623e-08
	E37-39	6.607916e-10	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	2.464350e-09	6.872463e-09
	E37-39	1.421207e-09	0.000000e+00	5.157285e-09	1.445495e-08
	R_S	3.174364e-11	0.000000e+00	1.097118e-10	2.981996e-10
	R_S	2.675642e-09	0.000000e+00	9.460829e-09	2.611349e-08
	R_S	5.942397e-10	0.000000e+00	2.054803e-09	5.585301e-09
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
NO	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	6.522282e-09	2.269308e-13	1.286421e-08	8.421213e-09
	A01	5.551804e-09	5.857283e-12	1.551835e-08	7.333104e-09
	A01	3.998458e-08	2.359037e-12	7.964401e-08	2.125297e-07
	A01	5.650703e-10	5.945068e-13	1.578137e-09	7.462910e-10
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	8.183260e-09	9.415490e-12	1.571684e-04	5.004687e-03
	A01	1.067374e-06	2.886624e-11	2.098544e-06	1.377815e-06
	A01	8.924785e-07	2.413633e-11	1.754685e-06	1.152053e-06
	A01	4.152087e-07	1.122897e-11	8.163342e-07	5.359712e-07
	A01	1.583083e-07	4.334681e-12	3.114934e-07	2.054430e-07
	A01	8.155250e-10	3.604863e-14	1.629263e-09	1.131252e-09
	A01	3.722478e-06	1.006713e-10	7.318694e-06	4.805148e-06
	A01	8.984408e-08	2.429758e-12	1.766407e-07	1.159747e-07
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	4.857318e-09	1.351649e-12	2.056929e-06	6.395335e-05
	A03	0.000000e+00	0.000000e+00	0.000000e+00	5.183967e-04
	B_nongas	7.137616e-07	2.021329e-10	3.181572e-06	9.871420e-06
	B_nongas	4.816565e-05	7.956346e-09	2.205675e-04	6.981440e-04
	B_gas	1.784226e-04	2.507477e-08	8.429522e-04	2.715173e-03
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	6.055174e-09	8.312986e-12	2.697587e-08	8.615497e-08
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.269045e-09	1.237199e-12	6.062683e-09	2.001149e-08
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	2.368220e-07	3.949361e-10	1.041890e-06	3.312491e-06
	B_nongas	2.836319e-06	4.144429e-11	1.416599e-05	4.690037e-05
	B_nongas	1.812433e-06	2.691283e-10	8.216549e-06	2.583914e-05

B_nongas	1.528927e-07	1.347216e-10	6.433429e-07	1.958022e-06
C10-12	1.778535e-07	8.321575e-10	5.333295e-07	1.311957e-06
C10-12	6.285509e-07	3.163179e-10	2.289273e-06	5.863697e-06
C10-12	3.731830e-07	1.228673e-10	1.393141e-06	3.651615e-06
C10-12	2.020155e-06	5.653009e-10	7.517955e-06	1.938220e-05
C10-12	5.674565e-07	1.405108e-10	2.482608e-06	7.540402e-06
C10-12	5.478693e-06	1.290438e-09	2.441608e-05	9.194334e-05
C10-12	6.755615e-10	3.112527e-12	2.660792e-09	8.223373e-09
C10-12	6.448257e-10	4.534669e-13	3.108522e-09	1.018837e-08
C10-12	3.792413e-06	1.031803e-09	1.564682e-05	3.137845e-03
C10-12	1.289545e-06	4.131857e-10	5.191140e-06	2.112810e-03
C10-12	6.926193e-06	1.599982e-09	2.972003e-05	1.068874e-01
C10-12	1.640210e-07	1.858518e-10	7.464608e-07	2.374295e-06
C13-15	2.224298e-05	2.381088e-10	1.508936e-04	5.850232e-04
C13-15	9.881086e-07	1.674947e-10	6.088642e-06	2.259130e-05
C13-15	2.131902e-06	2.612966e-10	1.335008e-05	4.893974e-05
C16	2.171050e-05	2.883980e-09	1.095426e-04	3.623381e-04
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	6.350268e-05	7.694201e-09	1.328240e-04	1.611986e-04
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.438722e-04	7.877656e-10	9.372989e-04	2.714110e-03
C18	4.984359e-06	1.996605e-09	2.024766e-05	5.915887e-05
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	9.709658e-06	3.058248e-09	4.482246e-05	1.023783e-04
C24	1.084827e-09	2.856749e-12	4.079230e-09	1.156971e-08
C20-21	3.975856e-06	1.083787e-09	1.645323e-05	4.750632e-05
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	9.409528e-09	1.287523e-11	3.736175e-08	1.090179e-07
C20-21	3.845923e-03	1.048017e-07	7.562173e-03	4.968511e-03
C20-21	2.777309e-05	4.311705e-07	4.067771e-04	7.579283e-05
C22	1.806482e-04	6.179202e-08	1.003678e-03	3.389958e-03
C23	9.314422e-06	2.069918e-09	4.130514e-05	1.244068e-04
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	5.938094e-07	8.282014e-11	2.811937e-06	8.849467e-06
C23	5.913881e-08	9.279058e-11	2.692627e-07	8.604701e-07
C23	7.218369e-07	1.522944e-10	3.459756e-06	1.099768e-05
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	6.396879e-06	8.280744e-10	2.990043e-05	9.333269e-05
C24	4.223556e-06	6.008086e-10	9.146949e-06	8.079624e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.047664e-07	1.294999e-10	1.959588e-06	1.731564e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.276394e-05	1.815576e-09	2.764253e-05	2.441552e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.216172e-06	1.733068e-10	2.633824e-06	2.326354e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.515319e-06	2.164774e-10	3.281739e-06	2.899044e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

C24	5.636758e-06	7.995615e-10	1.220741e-05	1.078191e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.029589e-06	1.467967e-10	2.229728e-06	1.969396e-06
C25_33	8.543560e-05	1.324385e-08	4.322837e-04	1.344355e-03
C25	3.865014e-04	7.414217e-08	1.522652e-03	3.945236e-03
C26	1.487704e-07	1.826888e-13	7.366467e-07	2.442976e-06
C27	1.977659e-04	4.839442e-08	8.223676e-04	2.449272e-03
C27	3.857563e-06	9.426059e-10	1.608503e-05	4.780034e-05
C28_32	2.941195e-05	3.293864e-10	1.675355e-04	5.897234e-04
C29	3.278210e-06	8.553404e-10	1.472034e-05	4.472019e-05
C30	5.372052e-05	1.309727e-08	2.213022e-04	6.455731e-04
C31	1.034819e-04	2.324247e-10	5.559585e-04	1.906620e-03
E37-39	7.713565e-08	4.521809e-10	2.324957e-07	6.089809e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.064386e-08	3.386802e-12	5.202062e-08	1.722965e-07
D35	1.627529e-08	4.495441e-11	6.710117e-08	2.084142e-07
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.870392e-06	7.046450e-10	8.247658e-06	2.533701e-05
D35	2.373363e-08	9.762370e-11	8.516771e-08	2.485130e-07
D35	4.317706e-10	1.268021e-12	1.748743e-09	5.393027e-09
D35	1.110225e-08	1.011882e-10	3.101018e-08	8.686088e-08
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	4.663306e-09	1.196283e-11	1.960918e-08	6.168828e-08
D35	2.270103e-07	8.226830e-10	8.586581e-07	2.569655e-06
D35	1.824677e-06	6.510038e-10	7.772954e-06	2.340283e-05
D35	4.614410e-08	1.358750e-10	1.849135e-07	5.656491e-07
D35	3.395394e-07	7.988429e-11	1.630511e-06	5.280536e-06
E36	4.179005e-08	3.174568e-11	1.098513e-07	1.173774e-07
F	8.979191e-05	1.388704e-08	2.352015e-04	2.112426e-04
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	3.572255e-06	2.539448e-09	1.232238e-05	3.235590e-05
G47	1.101068e-06	5.978307e-09	3.390769e-06	8.905504e-06
G46	1.828994e-04	5.733296e-07	6.889510e-04	2.020766e-03
G47	2.778807e-05	1.632120e-08	1.131360e-04	3.340574e-04
I	1.609934e-04	1.365237e-09	5.624796e-04	1.528197e-03
H49	6.113130e-04	1.153194e-05	1.091599e-03	2.725138e-03
H49	2.389192e-03	4.280530e-05	4.469058e-03	1.124942e-02
H49	4.641600e-06	5.553296e-08	1.247740e-05	3.520438e-05
H50	1.082802e-04	6.652524e-07	3.356730e-04	8.751066e-04
H50	1.131050e-06	2.122052e-08	2.031889e-06	5.073417e-06
H51	4.182087e-05	1.749439e-07	1.446382e-04	4.099560e-04
H52	1.470652e-03	2.303321e-05	3.044804e-03	7.790252e-03
H53	8.151448e-05	7.292958e-08	2.910825e-04	7.817106e-04
K64	6.029934e-06	5.474597e-09	2.156757e-05	5.758128e-05
K65	2.547068e-05	7.644391e-08	8.579371e-05	2.282421e-04

[illegible]

A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0.000000e+00	0.000000e+00	1.007384e-08	3.019947e-08
A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	5.198880e-07	0.000000e+00	2.555354e-06	8.400550e-06
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	2.067250e-06	0.000000e+00	8.854955e-06	2.716562e-05
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	1.298968e-04
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	1.278681e-05
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	8.765529e-03
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	2.650769e-05
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	1.824743e-02
C10-12	2.410371e-07	3.573549e-08	6.838966e-06	1.281178e-06
C13-15	4.926256e-05	0.000000e+00	3.473225e-04	1.370733e-03
C13-15	2.839598e-06	0.000000e+00	2.919971e-05	1.280908e-04
C13-15	5.218933e-04	0.000000e+00	3.291283e-03	1.208073e-02
C16	1.138865e-05	3.169127e-09	5.339352e-05	1.687622e-04
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.623303e-06	0.000000e+00	1.017593e-05	2.957105e-05
C18	9.390659e-08	0.000000e+00	4.454996e-07	1.434394e-06
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	1.709096e-05	1.698346e-09	2.726750e-04	1.757664e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	8.672112e-11	8.597584e-11
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
ZA	A01	2.549710e-12	0.000000e+00	6.165001e-12	2.798229e-12
	A01	1.375807e-11	1.891513e-15	3.326594e-11	1.509906e-11
	A01	3.200866e-11	4.400677e-15	7.739445e-11	3.512852e-11
	A01	5.711337e-11	7.852172e-15	1.380957e-10	2.755672e-04
	A01	3.985651e-12	0.000000e+00	9.636996e-12	4.374131e-12
	A01	9.829882e-12	1.351451e-15	2.376789e-11	1.078800e-11
	A01	3.062708e-13	0.000000e+00	7.405390e-13	3.361229e-13
	A01	8.364280e-12	1.149954e-15	1.948742e-03	6.206282e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0.000000e+00	0.000000e+00	1.176074e-07	3.525648e-07
	A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	5.686102e-06	4.400892e-09	2.076108e-05	5.457941e-05
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	6.613145e-07	4.904920e-10	2.410184e-06	6.344794e-06
	B_gas	4.189036e-06	4.056464e-09	1.520096e-05	3.996385e-05
	B_nongas	1.522719e-07	2.378674e-09	3.159370e-07	8.084925e-07
	B_nongas	1.926005e-08	0.000000e+00	6.725972e-08	1.827852e-07
	B_nongas	4.833204e-08	3.406810e-11	1.757841e-07	4.634593e-07
	B_nongas	3.123591e-07	4.903020e-09	6.456687e-07	1.651782e-06
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	4.064804e-06	2.681153e-09	1.480821e-05	3.923942e-05
	B_nongas	3.336699e-07	5.239887e-09	6.894778e-07	1.763806e-06
	B_nongas	7.677229e-06	1.213668e-08	3.176224e-05	9.574468e-05
	B_nongas	8.962820e-06	2.510849e-10	4.375833e-05	1.433184e-04
	B_nongas	8.727213e-07	6.513182e-10	3.525332e-06	1.020903e-05
	B_nongas	4.357373e-06	1.580639e-09	1.770086e-05	5.206685e-05
	C10-12	4.788332e-08	2.003843e-11	2.354815e-07	4.093142e-04
	C10-12	2.407686e-09	1.007580e-12	1.184056e-08	1.929704e-05
	C10-12	2.924897e-08	1.224024e-11	1.438411e-07	2.807682e-04
	C10-12	6.435773e-09	2.693273e-12	3.164996e-08	2.473459e-05
	C10-12	1.479466e-05	1.045407e-09	3.887882e-05	3.794781e-04
	C10-12	3.398287e-08	2.715265e-11	1.242374e-07	5.749942e-05
	C10-12	1.726563e-11	1.379036e-14	6.312530e-11	7.419535e-10
	C10-12	2.935144e-07	5.823757e-11	6.878705e-07	7.451977e-04
	C10-12	2.022379e-06	6.233462e-10	2.704200e-05	2.264823e-02

C10-12	9.074904e-07	5.411574e-10	2.924973e-06	8.582930e-03
C10-12	4.678447e-06	3.736765e-09	1.710493e-05	2.748627e-03
C10-12	1.364331e-07	8.135818e-11	4.397436e-07	4.039643e-05
C13-15	3.751106e-06	7.398275e-10	1.897719e-05	6.444297e-05
C13-15	4.138727e-06	9.110786e-10	9.921564e-06	1.624700e-05
C13-15	7.131942e-06	1.115464e-10	4.454548e-05	1.632956e-04
C16	6.484086e-06	1.051954e-09	1.814608e-05	3.754559e-05
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	3.604927e-11	2.779243e-14	1.337810e-10	3.561537e-10
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	4.683568e-06	1.227877e-09	1.869566e-05	5.422172e-05
C18	6.174985e-06	4.720322e-09	2.318596e-05	6.233096e-05
C19	8.683759e-07	5.430727e-10	2.819045e-06	7.070981e-06
C19	3.752446e-05	2.272976e-08	1.201148e-04	2.953228e-04
C24	5.779208e-07	3.614259e-10	1.876133e-06	4.705896e-06
C20-21	4.790322e-04	1.317557e-08	9.116388e-04	6.193929e-04
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.916196e-06	6.669294e-11	3.492712e-06	2.388265e-06
C20-21	1.401596e-03	3.809114e-08	2.751575e-03	1.807665e-03
C20-21	2.540386e-03	6.314936e-08	4.668186e-03	3.210074e-03
C22	5.426467e-05	1.743054e-08	2.913887e-04	9.716247e-04
C23	2.700137e-06	6.626212e-10	1.226318e-05	3.733763e-05
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	6.143606e-06	2.278052e-10	1.256476e-05	1.399915e-05
C23	2.798451e-08	1.193240e-12	5.391291e-08	4.823101e-08
C23	3.400825e-07	3.924391e-11	1.559292e-06	4.755457e-06
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	4.312318e-06	2.089531e-10	1.681432e-05	4.666917e-05
C24	5.486296e-06	1.078871e-09	1.660347e-05	3.634199e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.181444e-07	5.313152e-10	3.140104e-06	8.601158e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.294014e-07	8.481483e-11	4.943411e-07	1.352473e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.587763e-08	2.351562e-11	1.370602e-07	3.749845e-07
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.385744e-08	4.840910e-11	2.821512e-07	7.719405e-07
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.239841e-07	2.461600e-10	1.198958e-06	3.185510e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.172295e-07	7.561723e-12	5.945903e-07	1.890616e-06
C25_33	1.951488e-05	7.765644e-09	8.248345e-05	2.319763e-04
C25	4.722609e-05	1.367580e-08	1.285440e-04	2.310612e-04
C26	1.818585e-06	3.434032e-10	8.387555e-06	2.665273e-05
C27	1.134080e-04	2.784988e-08	4.746114e-04	1.419475e-03
C27	6.517668e-06	4.024349e-09	2.639377e-05	7.586556e-05
C28_32	1.784149e-05	5.322972e-10	9.535432e-05	3.279603e-04
C29	3.524115e-05	1.832200e-08	1.357145e-04	3.749307e-04

C30	5.153538e-06	3.654994e-09	1.999157e-05	5.536636e-05
C31	4.513190e-05	2.415421e-10	2.423185e-04	2.164409e-03
E37-39	1.865000e-06	9.924615e-10	8.923337e-06	2.805423e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	4.405217e-10	4.084357e-13	1.565231e-09	4.223350e-09
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.685317e-11	1.562565e-14	5.988153e-11	1.615740e-10
D35	1.296013e-12	1.201616e-15	4.604903e-12	1.242508e-11
D35	3.907775e-14	0.000000e+00	1.384908e-13	3.745499e-13
D35	1.779989e-12	1.650341e-15	6.324533e-12	1.706503e-11
D35	2.613607e-11	2.452640e-14	9.263269e-11	2.505092e-10
D35	3.203145e-14	0.000000e+00	1.135189e-13	3.070130e-13
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.651052e-11	5.239449e-14	2.007893e-10	5.417751e-10
D35	1.444808e-10	1.339574e-13	5.133593e-10	1.385160e-09
D35	1.402590e-10	1.300431e-13	4.983587e-10	1.344685e-09
D35	7.083574e-11	5.752221e-14	2.581291e-10	6.808162e-10
E36	6.212892e-10	5.045183e-13	2.264010e-09	5.971333e-09
F	7.415040e-08	3.017143e-11	2.157861e-07	3.344177e-07
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	4.604510e-07	4.503363e-12	9.683292e-07	2.500612e-06
G47	5.234417e-07	4.716203e-09	1.384554e-06	3.637464e-06
G46	4.666039e-05	3.270718e-07	1.342016e-04	3.498396e-04
G47	9.908914e-06	1.214186e-08	3.569942e-05	9.371886e-05
I	5.637597e-05	2.165054e-11	1.968747e-04	5.350248e-04
H49	1.224228e-03	2.312011e-05	2.182882e-03	5.447347e-03
H49	4.610307e-03	8.273272e-05	8.608193e-03	2.165933e-02
H49	2.245914e-06	4.135625e-08	4.134790e-06	1.043859e-05
H50	5.748856e-04	1.088584e-05	1.022439e-03	2.550210e-03
H50	1.319613e-06	2.498774e-08	2.346944e-06	5.853845e-06
H51	3.009867e-05	2.282475e-07	8.387549e-05	2.231968e-04
H52	2.133508e-03	3.414566e-05	4.350664e-03	1.110803e-02
H53	1.180096e-05	1.059459e-08	4.216449e-05	1.134573e-04
K64	3.639381e-07	3.733068e-10	1.270812e-06	3.451563e-06
K65	1.514781e-05	4.535494e-08	5.102839e-05	1.357852e-04
K66	6.232125e-08	0.000000e+00	3.859598e-07	1.446262e-07
L68	1.640019e-05	1.335441e-08	5.975666e-05	1.574455e-04
M_N	3.887648e-06	3.106960e-09	1.421212e-05	3.733068e-05
J62_63	4.196731e-09	3.749945e-12	1.485922e-08	4.019923e-08
M_N	1.050868e-06	8.389707e-10	3.842186e-06	1.009058e-05
M_N	1.074881e-03	8.583533e-07	3.930041e-03	1.032120e-02
O84	1.335159e-07	0.000000e+00	4.622356e-07	1.256563e-06
P85	8.693258e-10	2.288121e-13	3.038133e-09	8.249731e-09
M_N	2.195442e-09	1.973494e-12	7.790900e-09	2.105481e-08
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.761549e-08	2.312398e-13	6.103848e-08	1.658455e-07
	E37-39	2.543256e-08	3.346169e-13	8.812443e-08	2.394381e-07
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	2.695484e-10	2.025745e-13	9.513028e-10	2.573646e-09
	R_S	8.210464e-09	7.113387e-13	2.903981e-08	7.999922e-08
	R_S	3.239896e-09	3.627986e-13	1.124061e-08	3.052570e-08
	T	6.374998e-05	1.108162e-06	1.254038e-04	9.264162e-04
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WA	A01	4.598759e-05	1.479255e-08	1.533193e-02	4.926129e-01
	A01	2.173363e-04	1.154344e-08	6.922000e-03	2.114215e-01
	A01	2.323473e-04	1.373224e-08	6.731485e-03	2.174152e-01
	A01	3.055280e-05	7.635912e-09	1.214208e-03	4.752186e-02
	A01	2.582874e-04	1.424108e-08	9.223186e-04	1.591288e-02
	A01	2.439987e-04	1.433371e-08	5.458151e-04	5.003755e-03
	A01	6.325044e-04	1.530262e-08	1.754214e-03	2.146897e-02
	A01	3.248058e-05	1.085100e-08	1.857316e-01	5.919245e+00
	A01	2.000663e-04	5.400649e-09	1.006094e-03	2.220625e-02
	A01	1.209842e-04	8.428319e-09	1.332453e-03	3.810747e-02
	A01	4.811544e-05	1.966220e-09	4.229238e-04	2.099860e-02
	A01	1.177212e-04	1.120394e-08	2.604439e-04	5.472498e-03
	A01	1.624375e-04	1.400884e-08	4.811298e-04	1.024972e-02
	A01	6.246621e-05	2.947117e-09	4.995805e-04	1.493725e-02
	A01	7.767850e-06	3.550454e-10	3.405161e-05	1.064450e-03
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	2.845992e-04	1.230283e-08	7.407769e-04	7.732848e-03
	A03	3.611482e-06	1.348768e-09	2.854278e-04	1.465949e-02
	B_nongas	8.226385e-05	8.744649e-09	1.949156e-04	9.071201e-04
	B_nongas	6.040601e-05	7.823239e-09	5.397221e-04	4.613653e-04
	B_gas	1.908039e-04	3.481908e-08	1.544797e-03	1.587595e-03
	B_gas	3.225137e-05	7.655738e-10	5.888250e-05	3.698934e-05
	B_nongas	2.410284e-04	5.681241e-09	4.328288e-04	2.707852e-04

B_nongas	3.265270e-05	9.021108e-10	5.942123e-05	4.089326e-05
B_nongas	9.598098e-06	3.486562e-09	4.351157e-05	7.394925e-04
B_nongas	4.020497e-06	4.279505e-10	1.467167e-05	3.583510e-05
B_nongas	1.119417e-05	5.301455e-10	2.619795e-05	7.303396e-05
B_nongas	1.549690e-05	3.028089e-09	6.764708e-05	9.515786e-04
B_nongas	9.211793e-06	9.721834e-10	4.626010e-05	9.243469e-04
B_nongas	1.259438e-05	3.298041e-09	4.055674e-05	1.743089e-04
B_nongas	8.079662e-05	5.098598e-09	2.148661e-04	1.193708e-03
B_nongas	9.014463e-05	2.152453e-08	2.374415e-04	1.558937e-03
B_nongas	3.353333e-04	7.904141e-09	6.021768e-04	3.767271e-04
C10-12	8.226406e-06	1.143191e-09	3.199625e-05	8.752080e-04
C10-12	7.143608e-06	9.152647e-10	2.963634e-05	8.116652e-04
C10-12	7.537499e-06	9.963656e-10	2.609029e-05	3.676293e-04
C10-12	4.238354e-06	6.817921e-10	1.982376e-05	2.260227e-03
C10-12	7.614765e-04	1.794859e-08	1.368304e-03	1.795240e-03
C10-12	8.360942e-06	1.215860e-09	3.027221e-05	5.685819e-04
C10-12	5.642603e-06	7.514853e-10	2.198710e-05	4.797676e-04
C10-12	5.860263e-06	6.883241e-10	2.197642e-05	1.286392e-03
C10-12	7.081210e-06	1.887094e-09	5.196969e-05	8.407002e-02
C10-12	1.007347e-05	3.386750e-09	4.679218e-05	1.268305e-02
C10-12	1.241637e-05	1.802456e-09	7.427067e-05	9.464679e-01
C10-12	6.443074e-06	4.588394e-07	1.016869e-04	1.990563e-04
C13-15	8.655784e-04	2.031260e-09	6.081931e-03	2.405806e-02
C13-15	1.778933e-04	4.001755e-09	3.796611e-04	5.091698e-04
C13-15	7.699269e-04	3.240463e-09	4.312702e-03	1.525915e-02
C16	4.422227e-05	1.064734e-08	2.034071e-04	7.091440e-04
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.153098e-05	2.863892e-09	3.715284e-05	5.318189e-04
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	7.308063e-05	7.022092e-09	3.109750e-04	1.200758e-03
C18	6.574011e-05	3.838007e-08	2.574040e-04	9.354756e-04
C19	7.307158e-05	1.887470e-09	1.376863e-04	2.202152e-04
C19	7.775973e-03	2.169787e-07	2.187394e-02	1.404937e-02
C24	3.731082e-06	4.215579e-11	1.543995e-05	6.703690e-05
C20-21	2.415437e-04	5.747619e-09	4.347859e-04	2.766111e-04
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	7.736640e-05	2.056207e-09	1.429368e-04	2.195283e-04
C20-21	1.061909e-03	2.871437e-08	2.088631e-03	1.375150e-03
C20-21	1.089504e-01	2.567941e-06	1.956482e-01	1.223989e-01
C22	3.532932e-03	1.225121e-06	1.963496e-02	6.648464e-02
C23	5.935203e-04	1.164438e-07	2.402816e-03	7.083525e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	4.692831e-05	2.425400e-09	2.136810e-04	9.900997e-04
C23	2.072014e-05	1.153422e-09	6.259003e-05	3.145920e-04
C23	7.739530e-06	8.902929e-10	2.959794e-05	2.985077e-04
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.315214e-04	3.548389e-09	6.157449e-04	2.317070e-03
C24	7.279370e-05	1.548097e-08	3.527531e-04	1.306149e-03

C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.315081e-05	2.418277e-09	5.362227e-05	4.016219e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.183236e-05	2.238359e-09	4.771561e-05	3.830758e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.818478e-06	6.483820e-10	2.458627e-05	2.947648e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.348212e-05	2.705208e-09	5.228850e-05	4.179741e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.458736e-06	1.303521e-09	2.765776e-05	3.964342e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.783733e-05	5.980584e-09	2.421168e-04	6.868587e-04
C25_33	1.464953e-03	3.228812e-07	7.414113e-03	2.215351e-02
C25	9.129359e-04	7.625092e-08	2.931201e-03	4.249227e-03
C26	4.192407e-04	6.246758e-10	2.090095e-03	6.964689e-03
C27	2.223718e-02	5.420484e-06	9.254498e-02	2.764520e-01
C27	2.530843e-04	6.147699e-08	1.077153e-03	3.477199e-03
C28_32	6.805386e-04	1.771534e-08	2.414947e-03	6.643872e-03
C29	1.229604e-04	2.341757e-08	5.218035e-04	1.915938e-03
C30	4.086896e-05	1.171799e-08	1.879842e-04	1.622616e-03
C31	2.929613e-03	9.722798e-09	1.576438e-02	5.463329e-02
E37-39	8.551626e-05	3.455057e-09	1.773556e-04	4.760726e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.210702e-05	1.711107e-09	5.078356e-05	6.190317e-04
D35	3.897670e-05	2.176684e-08	1.649230e-04	1.281281e-03
D35	1.371112e-05	1.596200e-09	4.349658e-05	1.682159e-04
D35	2.573939e-05	1.512760e-09	5.988811e-05	3.453156e-04
D35	4.338852e-06	4.650903e-09	2.311567e-05	4.795949e-05
D35	1.198926e-05	6.995994e-10	3.689468e-05	2.549733e-04
D35	6.028513e-06	7.555889e-10	2.182990e-05	5.708423e-05
D35	3.514306e-06	9.761519e-09	1.291834e-05	3.620191e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.857838e-06	1.570618e-10	5.651540e-06	1.701151e-05
D35	1.071262e-05	2.893677e-08	3.688723e-05	1.020167e-04
D35	2.518485e-05	2.181540e-09	6.962173e-05	4.263600e-04
D35	3.216056e-05	1.007758e-08	1.275289e-04	7.280475e-04
D35	5.527867e-05	6.937360e-09	1.411113e-04	8.590634e-04
D35	8.121287e-05	3.240085e-09	1.601925e-04	3.674833e-04
E36	1.466509e-05	1.542274e-09	5.089072e-05	4.498643e-04
F	1.270327e-03	2.268593e-07	3.292500e-03	4.401428e-03
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	2.460060e-04	2.239912e-07	9.700621e-04	6.961452e-03
G47	8.248255e-05	3.252761e-07	2.265370e-04	1.672111e-03
G46	2.879450e-03	2.692104e-05	8.989832e-03	5.482791e-02
G47	3.512870e-04	1.048545e-06	1.737642e-03	1.980528e-02
I	5.689786e-04	4.347077e-08	2.067278e-03	1.191940e-02
H49	4.880900e-03	9.178151e-05	8.786415e-03	2.347855e-02

	H49	3.153275e-03	5.549692e-05	6.045697e-03	1.714483e-02
	H49	2.263184e-05	2.414840e-07	9.020112e-05	1.168722e-03
	H50	5.486431e-03	1.038397e-04	9.762777e-03	2.435106e-02
	H50	4.011406e-04	7.532070e-06	7.210654e-04	1.780523e-03
	H51	7.182055e-04	5.475220e-06	2.049484e-03	6.876675e-03
	H52	1.816720e-03	2.785673e-05	3.893716e-03	1.212309e-02
	H53	1.833879e-04	1.441046e-07	6.116048e-04	1.539004e-03
	K64	2.415985e-03	2.513682e-06	8.418280e-03	2.287773e-02
	K65	1.692489e-04	4.977803e-07	5.715432e-04	1.520875e-03
	K66	3.931288e-05	3.840226e-08	1.425922e-04	7.474595e-04
	L68	6.963415e-05	5.687813e-08	2.388000e-04	9.057698e-04
	M_N	3.516368e-04	2.849815e-07	1.286283e-03	3.920908e-03
	J62_63	4.025592e-05	2.819015e-08	1.577642e-04	5.968380e-04
	M_N	3.079798e-05	1.043788e-08	1.523847e-04	2.394949e-03
	M_N	3.776962e-03	3.009036e-06	1.382002e-02	3.703516e-02
	O84	5.599996e-05	1.680693e-07	3.445039e-04	6.255623e-03
	P85	1.893052e-05	1.223792e-08	8.874201e-05	1.265717e-03
	M_N	1.752331e-05	1.185144e-08	8.025242e-05	1.473395e-03
	E37-39	4.154051e-08	0.000000e+00	1.520653e-07	4.286185e-07
	E37-39	6.398262e-08	0.000000e+00	2.343306e-07	6.606985e-07
	E37-39	2.608076e-07	0.000000e+00	9.559538e-07	2.696713e-06
	E37-39	1.262053e-04	0.000000e+00	2.124370e-04	2.443137e-04
	E37-39	2.620311e-08	0.000000e+00	9.570053e-08	2.693496e-07
	E37-39	1.195456e-08	0.000000e+00	4.374925e-08	1.232917e-07
	E37-39	1.466934e-08	0.000000e+00	5.372124e-08	1.514608e-07
	E37-39	1.531228e-08	0.000000e+00	5.588077e-08	1.571978e-07
	E37-39	0.000000e+00	0.000000e+00	9.203464e-08	2.587916e-07
	E37-39	4.298567e-09	0.000000e+00	1.572599e-08	4.430881e-08
	E37-39	5.414572e-07	0.000000e+00	1.985343e-06	5.601857e-06
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	2.722013e-08	0.000000e+00	9.946470e-08	2.800338e-07
	E37-39	2.162269e-08	0.000000e+00	7.928189e-08	2.237001e-07
	E37-39	9.804588e-06	6.409617e-10	3.463503e-05	7.725459e-04
	E37-39	6.793013e-06	1.019272e-09	5.198803e-05	1.335245e-03
	E37-39	3.465187e-06	6.158185e-10	5.154480e-05	1.596364e-03
	E37-39	1.691725e-05	1.382072e-09	7.629933e-05	1.620825e-03
	E37-39	4.904803e-06	1.545305e-09	4.940457e-05	1.087644e-03
	E37-39	4.748383e-06	1.244401e-09	7.972278e-05	2.097447e-03
	R_S	9.450239e-06	1.731255e-09	4.663376e-05	9.479381e-04
	R_S	1.365532e-04	7.277834e-08	4.928618e-04	1.687801e-03
	R_S	2.745963e-05	1.767118e-08	1.072455e-04	1.373861e-03
	T	9.338131e-05	4.350736e-07	3.505474e-04	5.594910e-03
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WL	A01	7.172597e-05	1.978064e-09	2.026932e-04	2.486385e-03
	A01	1.991870e-04	8.925212e-09	9.191114e-04	1.739487e-02
	A01	3.380982e-04	2.358072e-08	2.883038e-03	8.559946e-02
	A01	1.555871e-04	4.358141e-09	3.951713e-04	7.630293e-03
	A01	2.649684e-04	1.664227e-08	7.075291e-04	6.947217e-03

A01	3.657104e-04	2.251016e-08	7.403392e-04	1.688633e-03
A01	2.610440e-04	1.313355e-08	5.632595e-04	2.378405e-03
A01	2.469668e-04	4.524772e-08	8.487383e-02	2.690228e+00
A01	4.078052e-03	1.193918e-07	8.893462e-03	3.445669e-02
A01	1.752712e-03	5.104675e-08	3.514690e-03	4.969148e-03
A01	7.423723e-04	2.387482e-08	1.548007e-03	6.486083e-03
A01	3.351854e-04	1.959026e-08	6.565359e-04	1.015288e-03
A01	2.129719e-04	1.035212e-08	4.170987e-04	7.747988e-04
A01	1.029460e-03	3.413941e-08	2.160046e-03	6.407690e-03
A01	2.813450e-04	8.672746e-09	5.535215e-04	4.642776e-04
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	1.391408e-04	9.549242e-09	3.078786e-04	1.780805e-03
A03	6.691533e-06	4.105520e-09	3.447862e-05	1.339905e-03
B_nongas	1.775628e-04	1.157080e-08	3.475903e-04	3.016000e-04
B_nongas	2.879344e-03	1.217434e-07	5.675372e-03	3.919205e-03
B_gas	5.369595e-03	1.687339e-07	1.052816e-02	7.273773e-03
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.242533e-04	5.297482e-09	2.352569e-04	5.006332e-04
B_nongas	9.022864e-05	6.795755e-09	1.744639e-04	2.154414e-04
B_nongas	2.047571e-05	7.261445e-10	3.951156e-05	3.243531e-05
B_nongas	7.626673e-05	2.855513e-09	1.498190e-04	1.018114e-04
B_nongas	3.142934e-04	1.624087e-08	6.201656e-04	5.315733e-04
B_nongas	5.578031e-05	1.428475e-09	1.027817e-04	8.021807e-05
B_nongas	3.749769e-05	1.027765e-09	7.265510e-05	5.127333e-05
B_nongas	1.667998e-04	1.096546e-08	3.334512e-04	3.749585e-04
B_nongas	1.477853e-04	1.232644e-08	2.926738e-04	3.198023e-04
B_nongas	2.412407e-04	5.784654e-09	4.445169e-04	3.419455e-04
C10-12	2.265407e-04	2.113311e-08	4.518167e-04	9.497402e-04
C10-12	1.589169e-04	1.906628e-08	3.190891e-04	9.634887e-04
C10-12	2.623729e-04	2.135103e-08	5.281828e-04	8.525608e-04
C10-12	1.617489e-04	1.009075e-08	3.206015e-04	1.448937e-03
C10-12	4.128545e-04	1.167543e-08	7.415921e-04	6.960646e-03
C10-12	2.676955e-04	2.421869e-08	5.443942e-04	1.220285e-03
C10-12	1.110476e-04	4.045220e-09	2.190347e-04	2.297619e-04
C10-12	1.333208e-04	1.034485e-08	2.632945e-04	1.671419e-02
C10-12	1.695716e-04	1.704829e-08	3.579597e-04	4.378448e-02
C10-12	1.065838e-04	2.264362e-08	2.139741e-04	1.716021e-02
C10-12	3.012116e-08	2.007900e-11	9.905138e-08	6.533406e-02
C10-12	1.712256e-04	1.700894e-05	3.366407e-03	8.220757e-04
C13-15	2.286325e-04	1.421792e-08	6.010273e-04	1.229623e-03
C13-15	1.562868e-04	9.082742e-09	3.192990e-04	4.233837e-04
C13-15	2.583285e-04	3.601110e-09	1.173591e-03	3.836110e-03
C16	2.864892e-04	2.458230e-08	6.101826e-04	7.765887e-04
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.134965e-04	3.673602e-09	2.190316e-04	5.254460e-04
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

C17	2.121696e-04	2.236364e-08	4.298419e-04	5.369838e-04
C18	1.931928e-04	4.867005e-08	4.471899e-04	7.142464e-04
C19	1.700112e-04	5.729261e-09	3.324265e-04	2.713133e-04
C19	3.823155e-03	1.752730e-07	7.528883e-03	5.158512e-03
C24	8.667056e-05	3.123249e-09	1.694278e-04	1.150983e-04
C20-21	4.178191e-04	1.717603e-08	7.791902e-04	6.029161e-04
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	4.310388e-05	4.065841e-09	7.849831e-05	1.014140e-04
C20-21	1.307904e-01	3.536717e-06	2.571180e-01	1.689109e-01
C20-21	4.913468e-02	1.158097e-06	8.823390e-02	5.521119e-02
C22	2.377172e-04	5.163190e-08	7.738732e-04	1.987206e-03
C23	1.104069e-04	5.574957e-09	2.260070e-04	2.612729e-04
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	8.420950e-05	2.705553e-09	1.661935e-04	1.378391e-04
C23	8.703613e-05	2.978193e-09	1.715116e-04	1.679073e-04
C23	1.539130e-04	1.148578e-08	3.049486e-04	3.579886e-04
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.002359e-04	4.028163e-09	2.086463e-04	2.499155e-04
C24	1.719542e-04	5.592659e-09	3.353574e-04	4.578578e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.160809e-05	1.064207e-09	6.253000e-05	2.207504e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.831581e-05	2.861850e-09	1.704408e-04	3.312387e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.197300e-05	2.518314e-09	1.771072e-04	1.496300e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.191753e-05	5.175758e-10	3.936394e-05	3.208888e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.712248e-05	1.380644e-09	1.026546e-04	1.317782e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.169904e-04	4.138697e-09	2.285811e-04	1.838252e-04
C25_33	2.337943e-04	2.347673e-08	5.334745e-04	8.365135e-04
C25	2.585709e-04	3.780287e-08	5.750758e-04	8.132331e-04
C26	2.274476e-04	1.905687e-08	4.937519e-04	6.947957e-04
C27	8.061591e-04	1.702894e-07	3.009970e-03	8.417789e-03
C27	2.350294e-04	2.917951e-08	5.121043e-04	7.322447e-04
C28_32	4.908911e-04	2.411754e-08	2.022330e-03	6.118979e-03
C29	2.896498e-04	4.004427e-08	6.162208e-04	8.089171e-04
C30	3.837537e-04	3.946594e-08	7.857368e-04	1.126171e-03
C31	6.315499e-04	2.394547e-08	2.735799e-03	8.999544e-03
E37-39	1.026018e-04	3.589622e-09	1.976365e-04	4.870927e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.369490e-04	6.797774e-09	2.698803e-04	1.888581e-04
D35	1.771641e-04	1.799818e-08	3.487247e-04	3.273321e-04
D35	9.364124e-05	2.766148e-09	1.832318e-04	1.268236e-04
D35	1.127370e-04	7.097830e-09	2.218498e-04	2.781792e-04
D35	1.552069e-06	2.421410e-09	3.423485e-06	5.495255e-06
D35	1.409906e-04	9.841755e-09	2.786818e-04	2.181061e-04

D35	4.157995e-05	1.707735e-09	8.141279e-05	5.639959e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	7.994673e-06	2.569574e-10	1.574466e-05	1.117892e-05
D35	3.401126e-05	2.770603e-09	6.545444e-05	4.612699e-05
D35	1.457001e-04	1.116997e-08	2.855215e-04	2.200593e-04
D35	1.103342e-04	1.521447e-08	2.211301e-04	1.992101e-04
D35	1.023551e-04	8.180764e-09	2.028107e-04	1.798350e-04
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	6.149088e-06	4.587523e-10	1.135638e-05	1.462593e-05
F	9.974484e-04	1.654339e-07	2.319474e-03	1.684794e-03
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	2.301201e-04	9.200311e-08	4.630245e-04	1.089043e-03
G47	1.941638e-04	1.091497e-07	3.778306e-04	9.229519e-04
G46	2.834255e-03	8.736996e-06	5.746440e-03	1.265587e-02
G47	4.196480e-04	4.146352e-07	9.833190e-04	4.458369e-03
I	9.988530e-05	2.003904e-08	3.343860e-04	2.143136e-03
H49	3.698887e-04	6.119682e-06	6.721071e-04	1.537862e-03
H49	1.785958e-03	2.923611e-05	3.389729e-03	8.082025e-03
H49	3.320608e-05	9.394092e-08	7.204466e-05	1.094543e-04
H50	2.167476e-04	4.013722e-06	3.881495e-04	9.621846e-04
H50	5.466531e-06	5.242058e-08	1.052470e-05	2.178128e-05
H51	1.090630e-04	8.508607e-07	3.034928e-04	8.486887e-04
H52	8.220408e-04	1.285262e-05	1.697558e-03	4.585926e-03
H53	2.575182e-04	1.655030e-07	6.669858e-04	1.171766e-03
K64	2.744984e-03	2.861134e-06	9.558551e-03	2.597768e-02
K65	5.754946e-05	1.697734e-07	1.940790e-04	5.165383e-04
K66	1.004573e-04	1.037183e-07	3.535003e-04	9.780869e-04
L68	5.077916e-05	4.912461e-08	1.795020e-04	6.463155e-04
M_N	5.052296e-04	4.122199e-07	1.821486e-03	4.813718e-03
J62_63	7.245800e-06	7.836931e-09	2.475289e-05	6.621007e-05
M_N	1.305873e-04	4.336768e-09	2.582702e-04	2.393774e-04
M_N	1.098948e-03	8.412732e-07	3.915617e-03	1.030335e-02
O84	2.458837e-05	1.399798e-07	1.414408e-04	2.781831e-03
P85	7.724997e-06	5.908964e-10	2.296064e-05	8.084219e-05
M_N	2.630310e-04	2.646097e-08	5.256752e-04	6.645183e-04
E37-39	3.211765e-09	0.000000e+00	1.175715e-08	3.313927e-08
E37-39	3.866020e-09	0.000000e+00	1.415895e-08	3.992136e-08
E37-39	1.049104e-08	0.000000e+00	3.845345e-08	1.084759e-07
E37-39	1.684211e-04	0.000000e+00	2.834973e-04	3.260368e-04
E37-39	2.214946e-08	0.000000e+00	8.089558e-08	2.276810e-07
E37-39	1.907356e-09	0.000000e+00	6.980215e-09	1.967126e-08
E37-39	1.859694e-08	0.000000e+00	6.810465e-08	1.920132e-07
E37-39	1.157921e-08	0.000000e+00	4.225727e-08	1.188736e-07
E37-39	0.000000e+00	0.000000e+00	2.673422e-08	7.517377e-08
E37-39	2.177166e-09	0.000000e+00	7.965005e-09	2.244182e-08
E37-39	7.633343e-07	0.000000e+00	2.798892e-06	7.897373e-06

	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	3.932281e-08	0.000000e+00	1.436889e-07	4.045431e-07
	E37-39	3.220423e-08	0.000000e+00	1.180803e-07	3.331727e-07
	E37-39	1.383082e-04	5.052117e-09	2.723288e-04	2.644911e-04
	E37-39	1.304068e-04	3.936151e-09	2.554348e-04	2.371982e-04
	E37-39	4.272310e-05	1.995177e-09	8.282129e-05	1.225515e-04
	E37-39	9.813195e-05	2.933053e-09	1.932467e-04	2.150147e-04
	E37-39	7.438828e-05	4.013508e-09	1.463196e-04	1.180010e-04
	E37-39	8.584801e-05	4.049769e-09	1.687198e-04	1.348466e-04
	R_S	1.934744e-04	1.250125e-08	3.883034e-04	5.434640e-04
	R_S	8.566846e-05	3.048999e-08	2.659714e-04	8.367635e-04
	R_S	1.268007e-04	1.048384e-08	2.620476e-04	2.655811e-04
	T	1.853308e-05	4.042150e-08	6.270545e-05	3.633364e-04
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WE	A01	2.554344e-05	1.581853e-09	5.885529e-05	3.434000e-04
	A01	2.212586e-04	3.153378e-08	6.913167e-04	1.457613e-02
	A01	1.860062e-04	1.495426e-08	5.808475e-04	4.370413e-02
	A01	2.503266e-04	1.867666e-08	5.760486e-04	5.699366e-03
	A01	2.108549e-04	2.414362e-08	4.444650e-04	1.703610e-03
	A01	1.978602e-04	9.906844e-09	3.952742e-04	6.086294e-04
	A01	8.713945e-05	9.479518e-09	1.778784e-04	2.120401e-04
	A01	2.026914e-04	4.044306e-08	8.932413e-03	2.725151e-01
	A01	4.187721e-04	5.872626e-08	9.261950e-04	4.798903e-03
	A01	4.205303e-04	6.081050e-08	8.893821e-04	2.228496e-03
	A01	3.831134e-04	5.130408e-08	7.899163e-04	7.165768e-03
	A01	2.231198e-04	7.847297e-08	4.952104e-04	1.524007e-03
	A01	8.870572e-05	3.604723e-08	2.147042e-04	4.796476e-04
	A01	4.859879e-04	6.069553e-08	1.008495e-03	3.761195e-03
	A01	1.885163e-04	2.337338e-08	3.743654e-04	4.497968e-04
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	9.682842e-05	5.847259e-09	2.153265e-04	2.535772e-04
	A03	8.341700e-06	1.289336e-09	1.769180e-05	4.468484e-05
	B_nongas	6.862279e-04	7.304248e-08	2.200428e-03	5.222446e-03
	B_nongas	9.021744e-05	4.361048e-09	2.179233e-04	1.674468e-04
	B_gas	2.722604e-04	3.239754e-08	8.051325e-04	6.685580e-04
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	9.366782e-05	1.045291e-08	2.088743e-04	2.680451e-04
	B_nongas	1.093644e-04	1.511219e-08	2.329044e-04	2.453545e-04
	B_nongas	1.706615e-04	9.157874e-09	3.555855e-04	3.420854e-04
	B_nongas	2.610627e-06	9.797272e-10	8.072023e-06	1.663248e-05
	B_nongas	1.292985e-05	4.238438e-09	3.218929e-05	5.059547e-05
	B_nongas	1.756191e-04	8.321386e-09	3.721445e-04	3.796068e-04
	B_nongas	6.781226e-05	2.812530e-08	1.641240e-04	2.791013e-04
	B_nongas	1.455288e-05	1.080804e-08	5.043772e-05	1.293903e-04
	B_nongas	2.199748e-06	0.000000e+00	1.081221e-05	3.554438e-05
	B_nongas	1.909104e-04	1.572889e-08	4.188667e-04	4.688361e-04
	B_nongas	1.287993e-03	2.145355e-08	4.888879e-03	1.375632e-02

C10-12	1.384438e-04	3.751921e-08	3.086541e-04	2.112808e-03
C10-12	1.303941e-04	4.259296e-08	2.900523e-04	4.192832e-04
C10-12	1.444814e-04	3.090608e-08	3.246785e-04	7.029364e-04
C10-12	1.234160e-04	2.264754e-08	2.783851e-04	1.221720e-02
C10-12	1.980578e-04	1.620497e-08	3.990794e-04	7.596998e-03
C10-12	2.089480e-04	7.206678e-08	4.987417e-04	3.650534e-03
C10-12	3.426017e-05	1.452588e-08	9.361473e-05	4.304164e-04
C10-12	1.060087e-04	1.410104e-08	2.258605e-04	2.035901e-03
C10-12	3.820530e-04	6.017563e-08	7.913979e-04	2.713067e-01
C10-12	1.221051e-04	3.895571e-08	2.643884e-04	3.309843e-02
C10-12	1.181534e-04	1.598317e-08	2.590949e-04	2.571714e-02
C10-12	8.667913e-05	8.513348e-09	1.792728e-04	1.672063e-04
C13-15	3.959831e-04	1.069352e-08	1.767394e-03	5.738542e-03
C13-15	1.322086e-05	1.481400e-11	1.302819e-04	5.656385e-04
C13-15	2.870894e-04	3.087730e-09	1.567163e-03	5.423706e-03
C16	1.115676e-03	2.912747e-07	4.957149e-03	1.518824e-02
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.903168e-04	4.233242e-08	4.427924e-04	6.517790e-04
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	3.978418e-04	5.324466e-09	1.458065e-03	4.048943e-03
C18	2.400371e-04	1.487918e-07	7.910752e-04	1.894867e-03
C19	1.140326e-04	8.842577e-09	3.122177e-04	3.077407e-04
C19	3.548987e-03	2.950385e-07	2.560168e-02	1.700627e-02
C24	4.695660e-04	1.335407e-08	8.708677e-04	5.996946e-04
C20-21	1.296930e-03	1.541521e-07	2.621883e-03	2.620939e-03
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	5.937933e-05	1.662737e-08	1.502247e-04	3.040338e-04
C20-21	2.838624e-02	7.685475e-07	5.580766e-02	3.669696e-02
C20-21	3.575058e-03	3.888276e-07	8.089162e-03	1.050604e-02
C22	2.373889e-03	7.791419e-07	1.218035e-02	3.982768e-02
C23	1.840453e-03	3.925743e-07	7.827695e-03	2.288033e-02
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.128117e-04	6.985242e-09	2.603473e-04	3.502591e-04
C23	1.024602e-04	8.282234e-09	2.253189e-04	2.707496e-04
C23	1.456962e-04	4.210214e-08	3.751073e-04	6.509344e-04
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.514550e-04	9.466248e-09	4.483332e-04	9.435351e-04
C24	8.361812e-05	6.646703e-09	1.935877e-04	2.238843e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.305309e-04	9.742995e-09	3.033271e-04	4.219501e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.132668e-04	7.526603e-09	2.564878e-04	3.221232e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.882603e-05	7.742353e-09	2.200689e-04	2.749808e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.386170e-04	1.261548e-08	3.432103e-04	5.439666e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.019580e-04	4.407812e-09	2.138891e-04	2.085743e-04

C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.193693e-04	8.073457e-09	2.773833e-04	3.739310e-04
C25_33	2.839738e-03	6.257874e-07	1.358719e-02	3.952725e-02
C25	1.759621e-03	3.895747e-07	6.354278e-03	1.463792e-02
C26	2.304042e-04	2.113669e-08	8.078914e-04	2.111030e-03
C27	4.628910e-02	1.127801e-05	1.923640e-01	5.730198e-01
C27	3.785660e-04	8.767182e-08	1.367293e-03	3.654168e-03
C28_32	5.289159e-04	8.594486e-08	2.086846e-03	6.011380e-03
C29	8.187187e-04	2.384057e-07	3.139468e-03	8.822573e-03
C30	2.051799e-04	5.233416e-08	5.993714e-04	1.288594e-03
C31	8.983165e-03	5.357233e-08	4.783599e-02	1.637317e-01
E37-39	9.779575e-05	8.513505e-09	2.049073e-04	2.028717e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.317683e-04	5.666818e-08	5.494251e-04	8.080951e-04
D35	2.642326e-04	1.001928e-07	6.438507e-04	1.038725e-03
D35	1.424793e-04	2.736130e-08	3.195840e-04	3.925833e-04
D35	1.606013e-04	9.666744e-09	3.440245e-04	3.637061e-04
D35	3.553849e-05	9.361118e-08	1.480787e-04	3.891547e-04
D35	4.767734e-05	2.463275e-08	1.339678e-04	2.699686e-04
D35	3.807866e-05	8.293426e-08	1.546220e-04	4.164980e-04
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.611857e-05	3.451524e-09	5.843548e-05	1.568631e-04
D35	8.050156e-05	2.594943e-08	2.039871e-04	3.519522e-04
D35	2.089601e-04	3.804326e-08	4.875094e-04	6.828244e-04
D35	2.350321e-04	9.352236e-08	6.075231e-04	1.070443e-03
D35	2.754601e-04	1.375742e-07	6.851049e-04	1.125532e-03
D35	2.158194e-04	1.118707e-07	5.567333e-04	9.226762e-04
E36	4.583633e-05	3.004651e-08	1.322979e-04	3.055263e-04
F	4.064734e-03	9.216146e-07	1.091668e-02	1.223018e-02
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	2.269401e-04	1.635812e-07	5.548352e-04	1.024326e-03
G47	1.532708e-04	1.689967e-07	3.331353e-04	4.139214e-04
G46	1.684624e-03	1.414011e-05	4.243228e-03	1.154354e-02
G47	9.783795e-04	7.596521e-07	3.072908e-03	7.706905e-03
I	2.525403e-04	1.750837e-08	8.859279e-04	2.586521e-03
H49	3.404255e-03	6.349686e-05	6.135832e-03	1.531578e-02
H49	7.733048e-03	1.367549e-04	1.461035e-02	3.674952e-02
H49	4.180895e-05	1.780541e-07	1.402803e-04	3.886789e-04
H50	1.308635e-04	1.935212e-06	3.001637e-04	7.301447e-04
H50	1.815627e-04	3.265646e-06	3.366135e-04	8.395382e-04
H51	1.669270e-04	1.194425e-06	4.817216e-04	1.304873e-03
H52	2.421867e-03	3.781226e-05	5.053610e-03	1.298631e-02
H53	5.520112e-04	5.661774e-07	1.922788e-03	5.067484e-03
K64	1.197048e-02	1.248664e-05	4.167600e-02	1.132789e-01
K65	1.546016e-04	4.523057e-07	5.217939e-04	1.388692e-03
K66	2.365697e-04	2.441294e-07	8.300052e-04	2.222958e-03

	L68	9.874239e-05	8.302463e-08	3.351933e-04	8.682701e-04
	M_N	7.405071e-04	6.092790e-07	2.689648e-03	7.074549e-03
	J62_63	2.192263e-05	1.914529e-08	7.884998e-05	2.100398e-04
	M_N	1.368808e-04	7.741239e-09	2.806260e-04	2.486921e-04
	M_N	4.337949e-03	3.429209e-06	1.576250e-02	4.117688e-02
	O84	4.787630e-05	2.853446e-07	1.286175e-04	4.084800e-04
	P85	1.537296e-05	6.098630e-09	5.293945e-05	1.427459e-04
	M_N	6.778413e-05	9.575136e-09	1.450261e-04	1.525720e-04
	E37-39	4.216959e-08	0.000000e+00	1.543681e-07	4.351094e-07
	E37-39	5.578589e-08	0.000000e+00	2.043108e-07	5.760573e-07
	E37-39	3.455367e-07	0.000000e+00	1.266516e-06	3.572800e-06
	E37-39	6.215757e-05	0.000000e+00	1.046277e-04	1.203273e-04
	E37-39	1.707826e-08	0.000000e+00	6.237422e-08	1.755525e-07
	E37-39	1.175696e-08	0.000000e+00	4.302609e-08	1.212538e-07
	E37-39	1.198755e-08	0.000000e+00	4.390012e-08	1.237713e-07
	E37-39	8.907994e-09	0.000000e+00	3.250891e-08	9.145061e-08
	E37-39	0.000000e+00	0.000000e+00	2.126850e-08	5.980476e-08
	E37-39	1.301702e-09	0.000000e+00	4.762182e-09	1.341770e-08
	E37-39	3.688603e-07	0.000000e+00	1.352487e-06	3.816188e-06
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.898829e-08	0.000000e+00	6.938486e-08	1.953467e-07
	E37-39	1.563718e-08	0.000000e+00	5.733540e-08	1.617763e-07
	E37-39	7.875647e-05	6.626973e-09	1.730783e-04	2.101190e-04
	E37-39	6.156732e-05	6.920053e-09	1.421208e-04	2.043341e-04
	E37-39	1.493089e-05	1.104509e-08	5.220065e-05	1.572760e-04
	E37-39	1.153476e-04	7.836865e-09	2.467327e-04	2.672065e-04
	E37-39	2.110093e-05	1.837522e-08	6.669994e-05	1.870557e-04
	E37-39	2.406565e-05	1.502036e-08	7.131450e-05	1.763314e-04
	R_S	2.329466e-05	5.376441e-09	5.804088e-05	9.887101e-05
	R_S	1.479258e-04	6.212753e-08	5.226841e-04	1.393216e-03
	R_S	6.646785e-05	2.588917e-09	1.619272e-04	2.595933e-04
	T	1.973968e-05	1.227828e-08	5.590959e-05	1.276160e-04
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WF	A01	5.122937e-04	2.057264e-08	2.248247e-02	6.848380e-01
	A01	5.265469e-04	3.103192e-08	2.897668e-02	8.912135e-01
	A01	4.867240e-04	3.297105e-08	2.871734e-02	8.854314e-01
	A01	2.853354e-04	9.207896e-08	4.404180e-03	1.236198e-01
	A01	4.482769e-04	3.073600e-08	2.767352e-03	6.110572e-02
	A01	5.214310e-04	2.551718e-08	1.281450e-03	9.371693e-03
	A01	1.675679e-04	1.001108e-08	2.146098e-03	5.838319e-02
	A01	4.771332e-04	7.492994e-08	6.943156e-01	2.207880e+01
	A01	1.362967e-03	5.277697e-08	8.896621e-03	1.996224e-01
	A01	1.351217e-03	4.505537e-08	5.737313e-03	9.947859e-02
	A01	9.358429e-04	1.022283e-07	3.634647e-03	5.673270e-02
	A01	2.422597e-04	4.635870e-08	6.852323e-04	2.812273e-03
	A01	2.318366e-04	3.310180e-08	8.660586e-04	8.768895e-03
	A01	1.521593e-03	6.341735e-08	4.956174e-03	6.460769e-02
	A01	1.242192e-04	4.818750e-09	2.454530e-04	2.124942e-04

A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	9.217951e-05	1.992288e-08	8.658319e-04	2.131299e-02
A03	1.460604e-05	1.277102e-08	4.248828e-04	1.333107e-02
B_nongas	6.942042e-05	3.004551e-09	1.442207e-04	1.353775e-04
B_nongas	9.272833e-04	6.293386e-08	1.938115e-03	1.681702e-03
B_gas	1.186264e-03	5.647156e-08	2.419041e-03	1.913002e-03
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	5.233274e-05	4.705238e-09	1.131055e-04	1.309539e-04
B_nongas	7.587211e-05	5.767049e-09	1.594048e-04	1.767117e-04
B_nongas	9.015718e-05	1.227308e-08	2.025309e-04	3.045740e-04
B_nongas	1.485026e-05	1.002564e-09	3.102732e-05	3.078680e-05
B_nongas	5.207892e-05	2.082129e-09	1.062812e-04	8.941641e-05
B_nongas	1.703304e-04	2.420641e-08	3.980253e-04	8.549022e-04
B_nongas	6.735941e-05	4.564902e-09	1.457431e-04	1.690365e-04
B_nongas	8.317316e-05	4.124745e-09	1.906649e-04	2.495765e-04
B_nongas	9.076268e-05	8.417059e-09	2.303937e-04	4.352164e-04
B_nongas	1.005592e-04	1.510899e-08	2.336696e-04	3.687780e-04
B_nongas	4.469729e-04	3.675400e-09	1.819475e-03	5.398551e-03
C10-12	7.622398e-05	7.673127e-09	1.681264e-04	3.553372e-04
C10-12	6.970205e-05	1.184870e-08	1.591514e-04	3.259875e-04
C10-12	7.764712e-05	6.943342e-09	1.714456e-04	2.487380e-04
C10-12	5.512419e-05	3.782627e-09	1.185812e-04	5.172060e-04
C10-12	6.587985e-05	2.102400e-08	1.638958e-04	1.659320e-03
C10-12	8.217198e-05	1.348372e-08	1.908031e-04	3.770909e-04
C10-12	2.133779e-05	4.065309e-09	6.021418e-05	1.947242e-04
C10-12	4.626825e-05	4.982077e-09	1.014643e-04	9.189952e-03
C10-12	8.553978e-05	2.434388e-08	2.094095e-04	1.420860e-02
C10-12	7.567716e-05	7.880477e-09	1.653426e-04	3.136141e-03
C10-12	4.323254e-05	4.897199e-09	9.308868e-05	1.020248e-02
C10-12	2.946102e-05	1.577463e-09	5.982649e-05	5.982753e-05
C13-15	2.011127e-04	1.906811e-08	1.093649e-03	3.827503e-03
C13-15	1.639767e-05	9.305564e-10	8.244704e-05	2.955262e-04
C13-15	3.405529e-04	2.862607e-09	1.965594e-03	6.979336e-03
C16	1.118012e-04	2.103071e-08	4.060024e-04	1.078727e-03
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	6.419049e-05	4.228981e-09	1.388079e-04	1.837004e-04
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	6.611204e-05	1.300136e-08	1.674265e-04	2.370431e-04
C18	4.937612e-05	2.086734e-08	1.406076e-04	2.856605e-04
C19	6.845589e-05	4.318967e-09	1.471455e-04	1.578233e-04
C19	2.689424e-04	4.002777e-08	7.019671e-04	5.816488e-04
C24	1.911812e-05	4.528457e-10	3.433822e-05	2.236714e-05
C20-21	6.362321e-05	1.782720e-08	1.583706e-04	1.973978e-04
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	6.518060e-06	2.787296e-09	2.643088e-05	1.027456e-04
C20-21	1.679308e-02	4.566357e-07	3.302050e-02	2.169863e-02
C20-21	1.793661e-03	4.228173e-08	3.220995e-03	2.015120e-03

C22	3.086700e-04	9.419114e-08	1.284737e-03	4.377335e-03
C23	1.799895e-04	3.311756e-08	6.820064e-04	1.841718e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	5.097556e-05	6.086525e-09	1.201837e-04	1.595670e-04
C23	4.911044e-05	2.753714e-09	1.052334e-04	1.254968e-04
C23	5.471661e-05	6.290111e-09	1.272078e-04	1.727812e-04
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	7.361892e-05	6.238042e-09	2.300746e-04	5.111176e-04
C24	7.079633e-05	8.609180e-09	1.685866e-04	2.340151e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.185486e-05	7.264826e-09	1.452350e-04	1.957035e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.283643e-05	6.212878e-09	9.958120e-05	1.184954e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.676592e-05	3.276826e-09	1.026204e-04	1.278009e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.802133e-05	5.355737e-09	1.162908e-04	1.720207e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.352566e-05	3.553001e-09	1.160916e-04	1.436481e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.555730e-05	3.362325e-09	1.023728e-04	1.226833e-04
C25_33	3.739219e-04	8.762984e-08	1.531354e-03	4.285276e-03
C25	7.021098e-04	1.453489e-07	2.650045e-03	6.676633e-03
C26	8.298785e-05	1.368990e-08	2.669287e-04	6.299837e-04
C27	3.237247e-02	7.878835e-06	1.345939e-01	4.010637e-01
C27	4.021861e-04	9.304225e-08	1.580868e-03	4.522221e-03
C28_32	2.703686e-04	5.142643e-08	1.137781e-03	3.356630e-03
C29	2.975249e-04	5.863048e-08	1.137502e-03	3.200636e-03
C30	8.088684e-05	1.023669e-08	2.208205e-04	4.466044e-04
C31	5.052512e-04	1.240619e-08	2.576296e-03	8.614672e-03
E37-39	4.019457e-05	2.617055e-09	8.267023e-05	8.448464e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.986474e-05	3.460664e-09	1.286011e-04	1.383637e-04
D35	5.948117e-05	8.298808e-09	1.559956e-04	2.901854e-04
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.715047e-05	2.863973e-09	8.634281e-05	1.258732e-04
D35	8.731699e-06	3.639263e-09	3.538122e-05	1.045003e-04
D35	4.864792e-05	2.765293e-09	1.064464e-04	1.230288e-04
D35	1.004128e-05	3.420993e-09	3.658449e-05	1.120988e-04
D35	2.753871e-06	1.091693e-09	1.128788e-05	3.326775e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	7.282953e-06	1.757474e-09	2.932591e-05	8.534651e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.135874e-05	3.913701e-09	1.182989e-04	1.592797e-04
D35	5.230945e-05	7.815942e-09	1.464158e-04	2.924497e-04
D35	8.551873e-05	4.489485e-09	1.798999e-04	1.776055e-04
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

E36	7.819008e-06	1.349519e-09	2.278185e-05	5.399686e-05
F	8.167310e-04	1.585906e-07	2.439314e-03	4.191483e-03
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	2.451871e-04	7.486242e-08	8.000235e-04	2.009335e-03
G47	7.089875e-05	6.406569e-08	1.502027e-04	1.879500e-04
G46	1.831460e-03	5.250590e-06	6.781567e-03	2.865162e-02
G47	2.887423e-04	2.110635e-07	1.161146e-03	8.484402e-03
I	5.292332e-05	8.997324e-09	1.860883e-04	6.545027e-04
H49	1.841244e-04	3.029855e-06	3.526321e-04	8.538417e-04
H49	3.738782e-04	5.547380e-06	7.702788e-04	1.883446e-03
H49	1.602538e-05	3.769240e-08	4.916779e-05	1.246151e-04
H50	1.060282e-03	2.005452e-05	1.888483e-03	4.712527e-03
H50	5.858951e-06	2.722457e-08	1.288730e-05	2.636995e-05
H51	3.840412e-05	2.064605e-07	1.225438e-04	3.436014e-04
H52	4.824771e-04	6.099207e-06	1.183880e-03	3.205899e-03
H53	1.592912e-04	9.053055e-08	5.688439e-04	1.508992e-03
K64	1.779635e-03	1.855724e-06	6.196652e-03	1.684168e-02
K65	1.151806e-04	3.438208e-07	3.881288e-04	1.032747e-03
K66	4.570274e-05	4.685789e-08	1.615037e-04	4.298674e-04
L68	3.054034e-05	2.797570e-08	1.069978e-04	2.930858e-04
M_N	2.574681e-04	2.081680e-07	9.356571e-04	2.467612e-03
J62_63	5.280745e-06	4.234161e-09	1.944523e-05	5.271729e-05
M_N	8.392710e-05	7.213493e-09	1.827323e-04	2.092153e-04
M_N	8.645905e-04	6.818737e-07	3.140373e-03	8.215356e-03
O84	2.055124e-05	2.969031e-08	2.253226e-04	5.219548e-03
P85	3.645741e-06	5.379167e-10	1.262947e-05	3.708949e-05
M_N	6.499037e-07	6.291864e-10	2.388160e-06	1.390041e-05
E37-39	3.383234e-08	0.000000e+00	1.238484e-07	3.490850e-07
E37-39	4.045522e-08	0.000000e+00	1.481636e-07	4.177494e-07
E37-39	1.447488e-08	0.000000e+00	5.305564e-08	1.496682e-07
E37-39	1.186935e-04	0.000000e+00	1.997927e-04	2.297721e-04
E37-39	1.427915e-08	0.000000e+00	5.215116e-08	1.467797e-07
E37-39	1.036288e-08	0.000000e+00	3.792428e-08	1.068761e-07
E37-39	1.397372e-08	0.000000e+00	5.117377e-08	1.442785e-07
E37-39	8.212618e-09	0.000000e+00	2.997120e-08	8.431179e-08
E37-39	0.000000e+00	0.000000e+00	4.106712e-08	1.154763e-07
E37-39	2.173721e-09	0.000000e+00	7.952400e-09	2.240630e-08
E37-39	5.291112e-07	0.000000e+00	1.940074e-06	5.474126e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.065563e-08	0.000000e+00	3.893658e-08	1.096224e-07
E37-39	2.343952e-08	0.000000e+00	8.594352e-08	2.424964e-07
E37-39	5.213421e-05	1.729673e-09	1.031652e-04	8.107635e-05
E37-39	3.861266e-05	2.872973e-09	8.777166e-05	1.311887e-04
E37-39	7.856475e-06	2.711516e-09	2.665709e-05	8.722968e-05
E37-39	7.736812e-05	4.098650e-09	1.637597e-04	1.868916e-04
E37-39	1.178609e-05	4.516404e-09	3.727130e-05	9.377091e-05
E37-39	1.616893e-05	4.915631e-09	5.233595e-05	1.337444e-04
R_S	1.024510e-05	1.036071e-09	2.196772e-05	2.739490e-05

	R_S	2.906120e-05	1.393336e-08	1.046631e-04	2.914798e-04
	R_S	1.694578e-05	1.272149e-09	4.062958e-05	6.360573e-05
	T	1.486334e-05	1.794205e-08	5.365676e-05	1.694657e-04
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WM	A01	2.789858e-04	1.855879e-08	2.118815e-03	5.163385e-02
	A01	3.069029e-04	2.090585e-08	2.945070e-03	7.679431e-02
	A01	3.423334e-04	1.734497e-08	3.273335e-03	8.531239e-02
	A01	4.289293e-04	1.729355e-08	1.063541e-03	1.258181e-02
	A01	3.322334e-04	1.848741e-08	7.447402e-04	5.292656e-03
	A01	2.804489e-04	1.509219e-08	5.314361e-04	1.241773e-03
	A01	3.372600e-04	8.274899e-09	6.825321e-04	2.826501e-03
	A01	3.324190e-04	2.800243e-08	7.644487e-02	2.416802e+00
	A01	2.631968e-04	3.275911e-08	1.097126e-03	2.016658e-02
	A01	2.901946e-05	6.485828e-09	2.520875e-04	6.310793e-03
	A01	3.480993e-04	3.320910e-08	7.852977e-04	6.875815e-03
	A01	2.017030e-04	2.561911e-08	3.792583e-04	8.374046e-04
	A01	2.355963e-04	1.329314e-08	4.487862e-04	9.021857e-04
	A01	2.863606e-04	2.699222e-08	7.004948e-04	6.616800e-03
	A01	8.610561e-07	1.351223e-09	4.114108e-06	4.423590e-05
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	3.747719e-04	1.043930e-08	7.015910e-04	1.198392e-03
	A03	1.730003e-05	1.626791e-09	4.971074e-05	6.416095e-04
	B_nongas	2.407728e-06	2.635891e-09	6.866971e-06	2.300495e-05
	B_nongas	6.020666e-03	3.222791e-07	1.112977e-02	8.238474e-03
	B_gas	3.273836e-03	1.604744e-07	6.208785e-03	4.406719e-03
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	4.016674e-04	1.979667e-08	7.499378e-04	5.710611e-04
	B_nongas	2.073817e-05	4.608326e-08	8.455320e-05	6.164677e-04
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	5.532558e-05	2.460833e-09	1.050544e-04	8.751662e-05
	B_nongas	7.274033e-04	5.113719e-08	1.357099e-03	1.321859e-03
	B_nongas	2.224400e-04	1.564250e-08	4.137926e-04	4.190724e-04
	B_nongas	1.215179e-04	1.112948e-08	2.735165e-04	4.343556e-04
	B_nongas	1.870956e-04	4.785172e-08	4.290265e-04	8.708354e-04
	B_nongas	2.947414e-04	7.616532e-08	6.271129e-04	9.123915e-04
	B_nongas	2.343235e-03	5.498490e-08	4.233896e-03	2.758150e-03
	C10-12	1.261539e-04	1.717137e-08	2.352070e-04	1.815428e-03
	C10-12	2.167269e-04	1.619411e-08	3.939359e-04	1.713524e-03
	C10-12	1.273242e-04	1.711365e-08	2.425502e-04	4.062051e-04
	C10-12	1.768648e-04	1.390816e-08	3.295688e-04	3.406844e-04
	C10-12	1.347904e-06	3.405677e-09	3.172862e-06	2.797570e-03
	C10-12	3.924320e-04	2.754563e-08	7.303321e-04	2.523465e-03
	C10-12	1.513807e-04	3.567894e-09	2.719849e-04	2.387795e-04
	C10-12	5.061970e-06	9.947624e-09	1.333347e-05	4.813270e-04
	C10-12	1.484581e-03	5.387662e-08	2.710884e-03	1.834451e-01
	C10-12	1.585844e-04	1.804346e-08	2.977987e-04	2.128078e-02

C10-12	1.433979e-04	1.505094e-08	2.716565e-04	5.469606e-03
C10-12	1.806682e-05	2.251020e-06	4.362200e-04	9.267003e-05
C13-15	3.589749e-04	8.972447e-09	2.508002e-03	9.867266e-03
C13-15	1.031742e-05	8.345902e-09	7.566446e-05	2.897885e-04
C13-15	1.730984e-04	1.321879e-08	6.404194e-04	1.806267e-03
C16	2.446761e-04	3.242501e-08	6.537967e-04	1.293628e-03
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.492331e-04	1.308602e-08	2.769863e-04	2.025884e-04
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	5.089665e-04	2.353801e-08	1.014246e-03	1.050404e-03
C18	1.909889e-04	4.689396e-08	4.384339e-04	6.539355e-04
C19	1.321406e-04	3.402492e-09	2.391792e-04	1.558534e-04
C19	1.473620e-04	5.966173e-08	2.222876e-03	1.593156e-03
C24	8.911993e-07	5.252852e-10	3.351040e-06	9.346189e-06
C20-21	7.140482e-04	1.979943e-08	1.283873e-03	8.111293e-04
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.255183e-04	3.207793e-09	2.275634e-04	1.512624e-04
C20-21	2.014934e-03	4.772680e-08	3.631077e-03	2.279234e-03
C20-21	5.524131e-02	1.707033e-06	1.000168e-01	6.456782e-02
C22	2.377521e-03	7.219495e-07	1.166343e-02	3.879216e-02
C23	7.383680e-04	1.294017e-07	2.743492e-03	7.371196e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.758550e-04	6.392547e-09	3.705202e-04	4.542044e-04
C23	3.541698e-06	8.234659e-10	9.171844e-06	1.983407e-05
C23	1.680614e-04	1.133042e-08	3.155439e-04	2.562852e-04
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.297721e-04	8.315471e-09	6.020555e-04	1.137490e-03
C24	2.078546e-04	2.034454e-08	4.255460e-04	4.395975e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.501595e-04	1.797776e-08	2.952866e-04	2.582405e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.605289e-04	8.335656e-09	4.793595e-04	3.451100e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.657566e-06	6.389170e-09	1.291413e-05	2.471478e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.144147e-04	1.369802e-08	2.332642e-04	2.378275e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.338742e-04	9.215086e-09	2.497257e-04	1.780256e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.246126e-04	9.615976e-09	4.261223e-04	3.474777e-04
C25_33	1.547446e-03	2.635833e-07	5.995593e-03	1.537120e-02
C25	1.474753e-03	1.949863e-07	4.260913e-03	7.516590e-03
C26	4.574252e-04	1.749914e-08	1.901113e-03	5.750331e-03
C27	2.561656e-02	6.242412e-06	1.063438e-01	3.165890e-01
C27	4.243754e-04	9.531638e-08	1.482176e-03	3.897464e-03
C28_32	1.309440e-03	4.494500e-08	5.138351e-03	1.501722e-02
C29	3.876274e-04	9.703158e-08	1.316724e-03	3.382163e-03
C30	1.763584e-04	3.214392e-08	4.049911e-04	5.872782e-04

C31	1.039096e-03	3.198506e-08	2.716689e-03	5.299784e-03
E37-39	2.675231e-04	1.112060e-08	4.835111e-04	3.205267e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	9.960208e-05	3.456044e-09	1.849172e-04	1.448786e-04
D35	3.547804e-04	8.008152e-08	8.862078e-04	1.571525e-03
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	4.587073e-05	2.162235e-09	8.601496e-05	7.379111e-05
D35	2.711406e-06	2.691934e-09	7.404818e-06	1.607874e-05
D35	1.509324e-04	1.036732e-08	2.965857e-04	2.944653e-04
D35	1.410333e-06	1.512936e-09	5.085321e-06	1.387135e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.588868e-04	1.251221e-08	3.115912e-04	3.063232e-04
D35	3.809555e-04	6.841132e-08	9.446260e-04	1.655127e-03
D35	1.650659e-04	8.202634e-09	3.059933e-04	2.341456e-04
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	7.836450e-05	1.125588e-08	1.515302e-04	1.720856e-04
F	2.230040e-03	3.331555e-07	5.476371e-03	3.770414e-03
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	4.596465e-04	1.285047e-07	9.096043e-04	1.067814e-03
G47	1.508055e-04	2.223071e-07	2.959612e-04	3.357325e-04
G46	4.257804e-03	1.723908e-05	8.936819e-03	1.943617e-02
G47	4.023154e-04	5.709522e-07	9.534408e-04	4.765164e-03
I	7.165894e-04	1.590338e-08	2.494119e-03	7.082476e-03
H49	9.046955e-04	1.637300e-05	1.664464e-03	4.140595e-03
H49	1.691508e-03	2.741551e-05	3.427110e-03	8.640185e-03
H49	3.348328e-05	1.198955e-07	1.006545e-04	2.506736e-04
H50	7.108409e-04	1.297974e-05	1.285393e-03	3.179280e-03
H50	1.457039e-05	8.758829e-08	2.912402e-05	5.475520e-05
H51	3.973852e-04	2.970980e-06	1.114472e-03	2.966050e-03
H52	1.344258e-03	1.984201e-05	2.901403e-03	7.449113e-03
H53	5.557622e-04	3.335795e-07	1.598597e-03	3.467533e-03
K64	7.894494e-03	8.201432e-06	2.750901e-02	7.472911e-02
K65	2.153943e-04	6.359625e-07	7.264632e-04	1.933189e-03
K66	1.959238e-04	2.027015e-07	6.879293e-04	1.840814e-03
L68	8.377860e-05	7.019159e-08	2.763501e-04	6.948360e-04
M_N	2.982713e-03	2.415423e-06	1.084336e-02	2.852848e-02
J62_63	2.795404e-05	2.005793e-08	1.027607e-04	2.845677e-04
M_N	2.477734e-04	8.132872e-09	4.534618e-04	3.231647e-04
M_N	2.794185e-03	2.030862e-06	9.683458e-03	2.440707e-02
O84	2.840901e-04	4.711634e-08	8.026802e-04	7.722851e-03
P85	2.051330e-05	1.347002e-09	6.969754e-05	1.844801e-04
M_N	2.249435e-04	1.028664e-08	4.121260e-04	2.919836e-04
E37-39	1.537346e-07	0.000000e+00	5.627687e-07	1.586247e-06
E37-39	2.587855e-07	0.000000e+00	9.477785e-07	2.672276e-06

E37-39	1.008903e-06	0.000000e+00	3.697992e-06	1.043191e-05
E37-39	5.046506e-04	0.000000e+00	8.494608e-04	9.769246e-04
E37-39	5.638487e-08	0.000000e+00	2.059321e-07	5.795970e-07
E37-39	3.953132e-08	0.000000e+00	1.446700e-07	4.077009e-07
E37-39	5.970566e-08	0.000000e+00	2.186507e-07	6.164602e-07
E37-39	2.885614e-08	0.000000e+00	1.053079e-07	2.962409e-07
E37-39	0.000000e+00	0.000000e+00	1.148733e-07	3.230114e-07
E37-39	7.509905e-09	0.000000e+00	2.747444e-08	7.741067e-08
E37-39	1.513619e-06	0.000000e+00	5.549935e-06	1.565974e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.033282e-07	0.000000e+00	3.775702e-07	1.063014e-06
E37-39	9.427211e-08	0.000000e+00	3.456588e-07	9.753034e-07
E37-39	2.838309e-05	1.572958e-09	5.739382e-05	6.192535e-05
E37-39	2.427957e-05	1.771165e-09	5.031070e-05	5.827490e-05
E37-39	5.748531e-06	1.393622e-09	1.445535e-05	2.488578e-05
E37-39	7.416442e-05	2.925957e-09	1.369262e-04	9.998511e-05
E37-39	8.735454e-06	4.923676e-09	2.023389e-05	3.289939e-05
E37-39	1.109886e-05	3.825652e-09	2.476902e-05	3.637438e-05
R_S	1.384489e-05	2.622999e-09	2.961875e-05	4.389256e-05
R_S	1.482895e-04	2.728042e-08	5.075397e-04	1.351232e-03
R_S	2.704827e-04	1.197993e-08	5.378474e-04	5.631638e-04
T	2.169005e-05	4.013629e-08	7.430007e-05	2.725246e-04
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

region	...	WM		
sector	A01	E37-39	E37-39	E37-39
region sector	...			
AT	A01	0.000000e+00	0.000000e+00	0.000000e+00
	A01	4.169330e+00	2.072973e-04	1.590535e-04
	A01	2.704442e+01	7.189788e-04	5.701541e-04
	A01	4.971494e-01	2.391368e-03	1.694317e-03
	A01	0.000000e+00	2.357936e-05	1.354920e-05
	A01	4.561567e-02	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00
	A01	8.083257e+00	1.947169e-04	9.534555e-05
	A01	7.691660e-01	5.995163e-04	1.885769e-09
	A01	2.189230e-01	2.100349e-04	6.606616e-10
	A01	7.117324e-02	6.828367e-05	2.147852e-10
	A01	2.630923e-01	6.490025e-05	3.676611e-05
	A01	1.525831e-01	3.562639e-05	2.298768e-05
	A01	2.893147e+00	6.907988e-04	9.153807e-10
	A01	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00
	A02	2.729528e-02	2.035432e-06	7.427611e-08
	A03	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.432933e-03	1.015811e-06	6.499824e-07
	B_nongas	9.777444e-02	2.664637e-05	1.178329e-05

B_gas	1.287746e-01	...	6.119386e-05	3.465561e-05	5.901592e-05
B_gas	2.877307e-04	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.860838e-02	...	4.303080e-06	1.775078e-06	4.563279e-06
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	6.762330e-02	...	9.187634e-06	5.552166e-06	1.059365e-05
B_nongas	2.036562e-01	...	1.668467e-04	3.860688e-05	1.823161e-04
B_nongas	4.261214e-01	...	3.956840e-04	1.387329e-04	4.203901e-04
B_nongas	6.195344e-01	...	3.197287e-02	2.199850e-02	3.124317e-02
C10-12	1.044071e+00	...	5.295599e-04	3.813983e-04	5.337590e-04
C10-12	3.834578e+00	...	1.950594e-03	1.420518e-03	1.967063e-03
C10-12	4.575941e-02	...	1.618626e-04	1.507427e-04	1.618589e-04
C10-12	2.991723e+01	...	1.526026e-02	1.089499e-02	1.538969e-02
C10-12	4.545388e+00	...	1.716311e-03	1.190007e-03	1.774145e-03
C10-12	2.407767e+01	...	5.503011e-04	4.039938e-04	5.549003e-04
C10-12	1.610817e-02	...	8.533815e-06	6.183088e-06	8.604182e-06
C10-12	3.241161e+00	...	6.235648e-03	9.334872e-04	7.062256e-03
C10-12	1.024314e+01	...	3.620066e-02	2.863888e-04	3.994110e-02
C10-12	3.802419e+01	...	5.890243e-02	1.065246e-02	6.313987e-02
C10-12	1.128973e-01	...	1.199521e-04	1.141586e-04	1.197533e-04
C10-12	6.028062e-02	...	4.160164e-05	5.456581e-06	4.261510e-05
C13-15	6.438817e-01	...	2.263538e-02	1.916914e-02	2.192066e-02
C13-15	2.478450e-02	...	3.467216e-04	3.129628e-04	3.389714e-04
C13-15	1.763785e-02	...	2.135032e-05	1.639607e-05	2.272115e-04
C16	2.296531e+00	...	1.496954e-04	1.041519e-05	2.211994e-04
C16	1.264363e+00	...	7.839744e-05	4.495100e-06	1.167118e-04
C17	1.596453e-02	...	1.634473e-02	1.496894e-02	1.599758e-02
C17	2.704648e-02	...	4.452779e-02	4.077597e-02	4.357868e-02
C17	1.217764e+00	...	1.655820e-05	1.978825e-04	1.762267e-05
C18	1.329472e-01	...	3.954603e-04	8.226321e-04	3.869037e-04
C19	6.995394e-03	...	2.541052e-05	2.087859e-05	2.515906e-05
C19	2.013611e+00	...	2.096807e-03	1.696907e-03	2.074952e-03
C24	4.458902e-05	...	2.142399e-05	9.225401e-07	2.095446e-05
C20-21	8.059021e-01	...	1.437347e-02	1.237155e-02	1.410635e-02
C20-21	2.097915e-01	...	5.185337e-03	4.798484e-03	5.060356e-03
C20-21	5.024864e-01	...	4.493353e-06	2.230833e-06	4.563245e-06
C20-21	1.483291e-02	...	8.590428e-05	7.580203e-05	8.653070e-05
C20-21	1.215152e-01	...	2.280358e-03	1.197930e-03	2.205167e-03
C22	2.166874e+00	...	5.022189e-03	1.493388e-03	5.913724e-03
C23	4.136013e-03	...	4.090959e-05	3.012001e-05	4.029082e-05
C23	3.511057e-03	...	3.506500e-05	2.569064e-05	3.451433e-05
C23	1.672044e-02	...	1.645660e-04	1.232870e-04	1.612924e-04
C23	2.522535e-02	...	1.720812e-04	1.384748e-04	1.716483e-04
C23	2.831802e-01	...	5.109604e-04	3.481844e-04	5.281547e-04

C23	7.127243e-02	...	3.457464e-04	2.210420e-04	3.428930e-04
C23	9.931147e-02	...	2.888707e-04	3.082787e-04	2.868374e-04
C24	1.201699e-01	...	2.597477e-02	1.626509e-02	2.539570e-02
C24	2.556944e-02	...	4.123834e-03	2.606360e-03	4.033198e-03
C24	7.681184e-03	...	1.697781e-04	6.177156e-05	1.811301e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.853784e-02	...	9.003183e-05	7.545797e-05	8.751854e-05
C24	1.532031e-01	...	4.441137e-04	2.991001e-04	4.118716e-04
C24	3.302112e-03	...	1.823488e-04	4.350617e-05	2.009122e-04
C24	3.017015e-03	...	1.728673e-04	4.089578e-05	1.905405e-04
C24	3.013844e-02	...	1.445933e-04	1.218416e-04	1.713954e-04
C24	7.437058e-02	...	3.428850e-04	2.881607e-04	4.039636e-04
C24	5.086297e-02	...	1.688203e-04	1.261238e-04	1.632666e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.884709e-02	...	1.830898e-04	1.093704e-04	1.688437e-04
C25_33	1.471509e+00	...	3.645980e-03	2.398678e-03	3.650476e-03
C25	2.079984e+00	...	2.695717e-02	4.855131e-03	2.748464e-02
C26	6.243024e-03	...	7.676025e-05	4.841185e-05	8.684778e-05
C27	1.865809e+01	...	5.570057e-02	3.279804e-02	4.965525e-02
C27	7.011326e-02	...	1.389251e-03	5.791032e-05	1.593538e-03
C28_32	1.249783e+00	...	1.140015e-03	6.528225e-04	1.039799e-03
C29	7.636835e-01	...	5.081852e-02	3.594915e-02	5.182592e-02
C30	4.598171e-02	...	1.059130e-02	7.521110e-03	1.073086e-02
C31	2.433196e+00	...	2.405812e-03	1.671968e-03	2.370099e-03
E37-39	3.976118e-03	...	1.681310e-05	1.152758e-05	1.692338e-05
E37-39	3.302259e-02	...	5.480739e-04	4.936478e-04	5.398663e-04
D35	7.670176e-01	...	1.977041e-05	1.325940e-05	1.827942e-05
D35	1.775570e+00	...	5.628130e-05	3.772138e-05	5.229142e-05
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	4.812603e+00	...	6.323797e-05	4.235032e-05	5.851279e-05
D35	2.752156e-01	...	3.761354e-06	2.516759e-06	3.482706e-06
D35	1.508907e-01	...	6.209534e-06	4.164552e-06	5.741213e-06
D35	7.291009e-01	...	1.959034e-05	1.309472e-05	1.814390e-05
D35	4.072305e-03	...	4.337640e-08	2.949603e-08	3.989207e-08
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.199286e-04	...	1.555504e-09	1.025085e-09	1.417766e-09
D35	2.718683e-01	...	3.584414e-06	2.395497e-06	3.321022e-06
D35	1.047834e+00	...	1.573221e-04	1.054084e-04	1.455294e-04
D35	1.297367e+00	...	3.540636e-04	2.372099e-04	3.275358e-04
D35	9.682081e-01	...	3.700599e-04	2.591737e-04	3.469248e-04
D35	2.456713e-01	...	2.231917e-04	1.493082e-04	2.066353e-04
E36	6.003898e-01	...	1.902166e-05	1.435090e-05	2.065689e-05
F	3.203007e+00	...	3.118360e-03	2.099006e-03	2.974014e-03
F	3.983388e-03	...	1.257700e-05	1.104579e-05	1.239969e-05
G45	7.714859e+00	...	6.029048e-04	8.817817e-04	6.027446e-04
G47	8.733542e-01	...	8.528161e-04	7.518980e-04	8.629453e-04
G46	1.972433e+01	...	1.111266e-01	1.017102e-01	1.111449e-01

	G47	5.398155e+00	...	8.335716e-02	7.956171e-02	8.275728e-02
	I	9.997136e-01	...	4.374862e-04	8.927075e-03	4.617324e-04
	H49	1.148078e+00	...	1.560027e-02	2.872317e-04	2.055553e-02
	H49	4.619233e+00	...	3.624482e-02	9.602888e-03	3.912008e-02
	H49	2.790646e-01	...	6.450806e-04	4.237549e-04	6.196828e-04
	H50	2.516192e-02	...	1.437136e-03	1.304262e-03	1.407579e-03
	H50	4.285651e-02	...	3.049907e-05	2.940438e-05	3.020357e-05
	H51	2.210182e-01	...	6.722889e-02	5.675724e-02	6.667571e-02
	H52	4.367568e+00	...	2.522428e-03	6.518635e-04	2.848948e-03
	H53	2.105880e+00	...	7.948259e-03	5.010655e-05	1.100376e-02
	K64	2.032094e+01	...	2.173997e-05	1.276073e-05	1.930048e-05
	K65	1.759084e+00	...	6.091283e-08	1.261064e-08	9.228530e-08
	K66	6.740139e-02	...	4.097695e-05	3.813775e-05	4.109624e-05
	L68	4.426525e+00	...	1.357434e-04	8.561763e-05	1.207550e-04
	M_N	6.020879e+00	...	3.371168e-04	2.980412e-04	3.352351e-04
	J62_63	1.875350e-01	...	3.043977e-04	1.387373e-04	3.099894e-04
	M_N	2.256751e-01	...	1.480476e-04	4.795698e-05	1.560622e-04
	M_N	1.915186e+01	...	2.463858e-03	2.171146e-03	2.388588e-03
	O84	4.258191e-01	...	3.857070e-05	2.599500e-05	3.708134e-05
	P85	1.289106e-01	...	1.107792e-05	4.889046e-05	1.148634e-05
	M_N	2.481729e-02	...	6.523019e-06	6.803368e-05	6.687801e-06
	E37-39	3.129540e-02	...	1.109760e-05	7.344814e-06	1.323177e-05
	E37-39	3.985455e-02	...	1.168137e-05	7.409450e-06	1.429778e-05
	E37-39	6.310491e-02	...	1.321057e-05	7.074684e-06	1.592148e-05
	E37-39	2.047823e-01	...	1.702219e-04	9.699350e-05	2.178962e-04
	E37-39	6.813222e-03	...	1.914054e-06	1.220960e-06	2.402548e-06
	E37-39	1.407303e-02	...	4.160291e-06	2.467824e-06	5.435815e-06
	E37-39	4.684943e-02	...	3.377544e-05	1.436292e-05	5.173117e-05
	E37-39	5.337833e-03	...	1.027771e-06	6.738847e-07	1.090401e-06
	E37-39	6.542235e-04	...	1.389667e-07	9.324763e-08	1.590790e-07
	E37-39	3.669649e-03	...	1.890400e-06	1.161151e-06	2.387546e-06
	E37-39	1.651696e-01	...	1.736691e-04	9.197990e-05	2.163228e-04
	E37-39	1.187983e-06	...	1.964052e-07	1.426055e-07	2.249946e-07
	E37-39	1.157666e-02	...	6.014494e-06	3.931102e-06	6.025936e-06
	E37-39	2.658681e-02	...	1.544207e-05	9.571500e-06	1.545203e-05
	E37-39	4.035584e-03	...	2.559535e-06	1.728739e-06	2.550376e-06
	E37-39	5.685922e-03	...	3.252068e-06	2.121630e-06	3.268454e-06
	E37-39	1.444352e-03	...	2.344737e-04	1.629022e-04	2.175914e-04
	E37-39	1.406443e-02	...	1.115026e-05	7.007376e-06	1.263430e-05
	E37-39	6.175742e-04	...	4.981805e-07	3.304059e-07	4.853353e-07
	E37-39	2.718132e-03	...	1.430669e-06	9.349193e-07	1.443280e-06
	R_S	8.389672e-02	...	3.461812e-05	3.350890e-05	3.484062e-05
	R_S	2.537116e-01	...	8.710916e-06	4.906214e-05	1.148080e-05
	R_S	1.541608e-01	...	3.777297e-05	4.661987e-05	3.776135e-05
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
BE	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	7.499102e-03	...	1.205197e-03	8.963525e-04	1.209547e-03

A01	7.246150e-03	...	9.929591e-04	7.781535e-04	9.907554e-04
A01	3.786506e-03	...	9.227803e-03	6.538109e-03	9.365416e-03
A01	4.404584e-09	...	1.576806e-04	9.061153e-05	1.626975e-04
A01	1.258596e-07	...	3.814366e-07	3.603855e-07	3.834551e-07
A01	2.131157e-09	...	1.047900e-08	8.434856e-09	6.487866e-09
A01	1.512800e-01	...	1.103965e-02	3.462758e-03	1.196704e-02
A01	7.677639e-07	...	3.101583e-03	1.323932e-06	3.658277e-03
A01	4.739529e-07	...	1.386867e-03	9.621795e-07	1.635723e-03
A01	2.350528e-07	...	2.240393e-04	6.060451e-07	2.641597e-04
A01	4.170541e-07	...	4.207659e-03	1.268400e-08	4.963204e-03
A01	4.569852e-06	...	2.436754e-04	1.305011e-05	2.850237e-04
A01	7.766127e-07	...	4.516467e-03	9.563994e-07	5.327290e-03
A01	9.676187e-13	...	2.938113e-12	2.776868e-12	2.953475e-12
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A02	3.784695e-06	...	1.356884e-04	9.248011e-05	1.330334e-04
A03	1.408558e-06	...	4.186325e-06	3.969533e-06	4.208138e-06
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	6.453377e-04	...	3.325367e-04	1.318805e-04	3.522890e-04
B_nongas	7.400062e-05	...	1.002713e-04	5.066125e-05	1.053155e-04
B_nongas	2.997554e-03	...	2.927687e-01	2.018877e-01	2.860099e-01
C10-12	7.423098e-03	...	2.033748e-03	1.448243e-03	2.051531e-03
C10-12	9.245512e-03	...	2.931733e-03	2.192655e-03	2.954513e-03
C10-12	4.744173e-03	...	1.440032e-03	9.704271e-04	1.563321e-03
C10-12	6.510481e-02	...	1.776637e-02	1.267477e-02	1.791785e-02
C10-12	1.542682e-02	...	4.213365e-03	2.526520e-03	4.745589e-03
C10-12	1.318882e-01	...	5.709221e-03	4.056496e-03	5.761843e-03
C10-12	4.203737e-03	...	1.147224e-03	8.184829e-04	1.157170e-03
C10-12	4.052748e-02	...	7.150530e-02	7.822389e-03	8.158041e-02
C10-12	4.350758e-01	...	1.373911e-01	8.307573e-02	1.416154e-01
C10-12	7.718300e-02	...	2.304015e-02	1.475602e-02	2.343801e-02
C10-12	2.190179e-02	...	1.059111e-04	2.524394e-05	1.207398e-04
C10-12	5.307146e-05	...	4.376433e-03	5.183669e-04	4.486199e-03
C13-15	9.467401e-03	...	8.412705e-02	7.104379e-02	8.153997e-02
C13-15	2.878862e-04	...	8.364959e-04	7.074895e-04	8.205728e-04
C13-15	1.778615e-03	...	5.781893e-06	6.542589e-07	1.434981e-04
C16	2.641591e-03	...	1.234889e-05	1.253004e-06	2.507201e-05

C16	6.583131e-04	...	3.143803e-06	2.913983e-07	6.336597e-06
C17	6.498762e-05	...	1.307776e-03	1.176454e-03	1.285979e-03
C17	9.879114e-05	...	2.988174e-03	2.678136e-03	2.934613e-03
C17	1.293497e-03	...	2.835283e-04	3.313258e-04	2.894571e-04
C18	2.222411e-04	...	5.424667e-04	1.497989e-04	6.169649e-04
C19	3.852993e-05	...	8.486837e-05	7.832697e-05	8.213179e-05
C19	5.475112e-02	...	1.745894e-01	1.410595e-01	1.725310e-01
C24	6.904947e-06	...	1.492561e-03	4.751836e-04	1.457799e-03
C20-21	1.287469e-02	...	1.500251e-01	1.373781e-01	1.474917e-01
C20-21	1.124981e-04	...	3.317924e-03	3.170316e-03	3.233879e-03
C20-21	5.003773e-06	...	2.374768e-04	4.801809e-05	2.638617e-04
C20-21	1.405566e-05	...	1.442833e-05	7.111789e-06	1.643727e-05
C20-21	3.404581e-04	...	6.281791e-03	3.764583e-03	6.194977e-03
C22	2.728416e-02	...	1.167206e-02	3.866459e-03	1.336996e-02
C23	6.563169e-03	...	1.020021e-03	6.766125e-04	1.000322e-03
C23	1.630694e-03	...	2.819212e-04	1.870863e-04	2.765806e-04
C23	5.127841e-05	...	3.572133e-04	2.393674e-04	3.505528e-04
C23	5.952472e-05	...	1.106147e-03	7.412040e-04	1.088928e-03
C23	3.139920e-04	...	4.355409e-03	2.921955e-03	4.281116e-03
C23	1.334194e-04	...	1.994271e-03	1.340619e-03	1.959693e-03
C23	1.185256e-03	...	1.740835e-03	1.248560e-03	1.711208e-03
C24	8.609871e-05	...	4.888052e-02	3.056573e-02	4.782293e-02
C24	6.591703e-05	...	3.244648e-02	2.029503e-02	3.174484e-02
C24	1.349210e-04	...	8.771447e-02	2.035292e-02	9.591305e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.184903e-05	...	2.176905e-04	1.239866e-04	2.181334e-04
C24	1.412160e-06	...	1.592711e-05	1.422853e-05	1.559670e-05
C24	1.250400e-05	...	7.782384e-02	1.416723e-02	8.670901e-02
C24	5.605616e-06	...	7.397850e-03	1.372431e-03	8.237457e-03
C24	1.272713e-04	...	3.936053e-04	2.287492e-04	2.941349e-03
C24	1.252781e-04	...	3.512637e-04	2.074700e-04	3.409584e-03
C24	1.133925e-05	...	3.988900e-05	1.942867e-05	4.583042e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.491661e-05	...	4.671883e-05	3.026304e-05	4.656038e-05
C25_33	1.724108e-02	...	2.105643e-02	9.336610e-03	2.142107e-02
C25	7.537732e-03	...	3.023981e-02	5.313045e-03	3.088043e-02
C26	8.089056e-04	...	8.709507e-05	8.084185e-06	1.095561e-04
C27	5.560284e-02	...	3.847515e-02	2.228080e-02	3.424579e-02
C27	4.708015e-03	...	4.020086e-03	1.781928e-03	3.841215e-03
C28_32	3.321154e-03	...	1.607301e-03	9.274714e-04	1.520561e-03
C29	4.998429e-03	...	5.383741e-02	3.698083e-02	5.496079e-02
C30	1.774008e-04	...	4.321599e-02	3.066322e-02	4.379269e-02
C31	9.370357e-03	...	1.534082e-03	8.623880e-04	1.478934e-03
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.651872e-04	...	2.095745e-03	1.534537e-03	2.057392e-03
D35	2.239926e-04	...	4.393825e-05	7.808524e-06	5.125288e-05
D35	4.945148e-04	...	2.772122e-04	4.535395e-05	3.278241e-04
D35	5.171379e-03	...	3.176163e-04	5.266326e-05	3.755435e-04

D35	9.376419e-06	...	8.294809e-07	1.142904e-07	1.031778e-06
D35	1.539882e-05	...	7.604954e-06	1.306721e-06	8.916285e-06
D35	3.392260e-05	...	3.541121e-06	6.158937e-07	4.160182e-06
D35	6.331862e-05	...	3.961913e-05	5.577990e-06	4.800166e-05
D35	1.126581e-07	...	2.095603e-07	3.760206e-08	2.421811e-07
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.729096e-05	...	2.306965e-05	3.443282e-06	2.771401e-05
D35	5.282378e-05	...	1.535502e-04	2.526990e-05	1.815026e-04
D35	3.930618e-04	...	9.974815e-04	1.658243e-04	1.177859e-03
D35	5.732248e-05	...	1.934361e-04	3.645634e-05	2.227434e-04
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E36	2.324825e-04	...	2.940166e-04	1.902793e-04	2.968491e-04
F	2.336869e-02	...	1.753554e-02	9.228318e-03	1.637732e-02
F	5.623329e-05	...	4.312360e-05	2.248154e-05	4.078129e-05
G45	1.559367e-03	...	5.040569e-03	1.716800e-03	5.494111e-03
G47	2.529647e-04	...	6.073048e-04	2.351634e-04	6.617517e-04
G46	3.843475e-01	...	2.534722e-01	1.805120e-01	2.597184e-01
G47	1.387310e-04	...	7.785611e-04	6.363459e-04	8.112078e-04
I	2.029469e-03	...	4.129860e-05	8.699439e-03	4.002149e-05
H49	1.658206e-02	...	8.688325e-02	6.348138e-04	1.147184e-01
H49	3.514525e-02	...	2.321634e-01	5.997751e-02	2.512003e-01
H49	3.437853e-04	...	2.773702e-03	1.626590e-03	2.666641e-03
H50	2.263722e-03	...	1.412671e-01	1.282003e-01	1.383525e-01
H50	1.142761e-03	...	1.576825e-06	8.118179e-05	1.534116e-06
H51	2.681284e-03	...	5.741607e-01	4.849501e-01	5.695132e-01
H52	3.385880e-02	...	1.375848e-01	9.673861e-02	1.408989e-01
H53	3.565109e-03	...	3.082327e-02	5.144919e-04	4.219948e-02
K64	4.045264e-02	...	6.624680e-05	3.687758e-05	5.927150e-05
K65	2.404480e-03	...	2.502327e-07	6.005097e-08	3.609510e-07
K66	8.714189e-06	...	2.743420e-05	1.489671e-05	2.990392e-05
L68	3.708068e-04	...	6.853451e-04	1.627069e-04	7.551909e-04
M_N	8.507785e-03	...	2.605234e-06	2.636675e-06	2.599429e-06
J62_63	6.707836e-04	...	2.001842e-04	8.772742e-05	2.103502e-04
M_N	6.427399e-05	...	1.493256e-05	1.128642e-05	1.577995e-05
M_N	7.642109e-02	...	5.835873e-03	2.010624e-03	6.201835e-03
O84	7.311253e-04	...	2.938885e-03	1.974469e-03	2.873788e-03
P85	1.500037e-04	...	2.686026e-06	1.695472e-06	3.014184e-06
M_N	3.937838e-07	...	5.700060e-06	3.164444e-06	5.715337e-06
E37-39	6.269930e-05	...	5.622624e-05	2.062242e-05	7.131111e-05
E37-39	5.115612e-05	...	4.935367e-05	1.849591e-05	6.409194e-05
E37-39	3.234482e-05	...	3.187483e-05	1.309608e-05	3.888114e-05
E37-39	1.581457e-03	...	3.655384e-04	1.271175e-04	5.003996e-04
E37-39	1.051115e-05	...	9.426114e-06	3.675713e-06	1.226315e-05
E37-39	1.584333e-05	...	1.825196e-05	6.912622e-06	2.440465e-05
E37-39	6.959346e-05	...	2.151783e-04	6.410250e-05	3.453064e-04
E37-39	1.331468e-05	...	9.133810e-06	3.208796e-06	9.814623e-06

	E37-39	2.066654e-06	...	1.233831e-06	4.417417e-07	1.373712e-06
	E37-39	2.958128e-05	...	4.906197e-05	2.337785e-05	6.216352e-05
	E37-39	8.434297e-05	...	2.088560e-04	9.114114e-05	2.633979e-04
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	2.579689e-05	...	1.643122e-05	6.384085e-06	1.712021e-05
	E37-39	5.228645e-05	...	3.790954e-05	1.520057e-05	3.937541e-05
	E37-39	2.752799e-05	...	1.548201e-05	6.277931e-06	1.600626e-05
	E37-39	2.067602e-05	...	1.460104e-05	5.909980e-06	1.516516e-05
	E37-39	1.848365e-05	...	4.857376e-03	3.370928e-03	4.508008e-03
	E37-39	2.881415e-05	...	4.152890e-05	1.902984e-05	4.710539e-05
	E37-39	2.893977e-06	...	1.560089e-06	6.322537e-07	1.617087e-06
	E37-39	3.619012e-06	...	1.927205e-06	7.850742e-07	2.010236e-06
	R_S	1.591322e-04	...	3.731449e-06	2.889363e-05	3.862436e-06
	R_S	3.561814e-04	...	7.859644e-05	1.120632e-04	1.082856e-04
	R_S	9.755705e-05	...	3.020965e-05	1.612217e-05	3.348917e-05
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
BG	A01	2.885754e-08	...	2.563760e-09	4.919134e-08	2.423293e-09
	A01	1.852207e-03	...	5.637879e-02	4.460657e-02	5.607092e-02
	A01	3.517269e-04	...	1.857005e-02	1.494533e-02	1.845287e-02
	A01	5.484090e-04	...	8.503610e-03	5.305980e-03	8.710142e-03
	A01	3.132006e-08	...	5.081452e-03	2.919918e-03	5.243139e-03
	A01	1.447744e-10	...	5.247565e-11	4.640899e-13	6.764354e-11
	A01	1.655875e-08	...	1.287128e-09	2.936708e-08	1.132869e-09
	A01	1.514591e-02	...	2.878665e-03	9.498207e-04	3.107008e-03
	A01	6.146700e-05	...	1.330445e-05	1.296168e-07	1.567080e-05
	A01	1.341652e-04	...	1.609186e-05	6.840304e-07	1.883099e-05
	A01	4.360996e-04	...	2.872275e-05	5.521966e-07	3.376122e-05
	A01	2.048462e-03	...	4.622822e-04	3.257965e-04	4.670057e-04
	A01	7.134101e-05	...	3.726289e-05	2.373538e-05	3.815931e-05
	A01	3.932988e-04	...	6.659963e-05	8.105580e-07	7.838261e-05
	A01	4.877661e-10	...	1.778648e-10	8.221743e-13	2.291150e-10
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	2.128566e-04	...	5.379987e-05	2.762140e-05	5.711691e-05
	A03	4.194280e-06	...	9.108142e-06	7.737840e-06	9.135722e-06
	B_nongas	2.317553e-05	...	1.083350e-05	3.461108e-06	1.142877e-05
	B_nongas	1.301458e-07	...	7.548252e-08	1.170510e-07	8.000082e-08
	B_gas	7.451339e-04	...	3.958784e-07	8.805263e-07	4.221125e-07
	B_gas	6.647110e-08	...	2.862766e-08	6.828867e-08	3.120786e-08
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	4.601681e-06	...	5.961265e-05	2.380328e-05	7.924103e-05
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	9.227244e-06	...	6.886634e-04	1.805549e-04	7.887492e-04
	B_nongas	1.809687e-07	...	2.535568e-06	1.007098e-06	3.368051e-06
	B_nongas	4.248171e-08	...	6.138703e-07	2.463410e-07	8.146769e-07

B_nongas	1.245178e-04	...	2.659127e-06	1.045872e-06	2.804313e-06
B_nongas	5.970158e-05	...	1.908464e-05	7.306285e-06	2.042973e-05
B_nongas	1.686087e-05	...	4.685298e-03	3.230202e-03	4.577358e-03
C10-12	2.904273e-04	...	9.092354e-05	6.479933e-05	9.243740e-05
C10-12	6.517359e-04	...	1.711758e-04	1.170176e-04	1.743870e-04
C10-12	6.456065e-04	...	2.128224e-04	9.968986e-05	3.019157e-04
C10-12	1.309993e-03	...	3.136887e-04	2.089225e-04	3.183900e-04
C10-12	2.285318e-03	...	7.336387e-04	1.300146e-04	1.139026e-03
C10-12	4.684470e-03	...	1.456228e-04	9.600495e-05	1.487498e-04
C10-12	1.590760e-05	...	1.885991e-05	1.770251e-05	1.901116e-05
C10-12	2.737987e-04	...	7.698984e-05	4.357944e-05	8.010964e-05
C10-12	6.684428e-02	...	1.512867e-02	1.030156e-02	1.567037e-02
C10-12	3.470474e-02	...	9.988160e-03	5.426948e-03	1.027696e-02
C10-12	2.606979e-04	...	6.365741e-05	4.804967e-05	6.464278e-05
C10-12	1.153773e-04	...	6.439730e-02	7.645355e-03	6.601242e-02
C13-15	2.567675e-03	...	1.923816e-02	1.629794e-02	1.863189e-02
C13-15	3.043999e-04	...	5.395164e-04	4.912436e-04	5.269564e-04
C13-15	5.970817e-04	...	1.955221e-05	1.615765e-05	6.443300e-05
C16	7.770532e-04	...	3.569407e-05	1.503200e-05	4.122423e-05
C16	8.247478e-06	...	5.878517e-07	3.939808e-07	6.485121e-07
C17	4.120590e-05	...	1.896996e-02	1.736636e-02	1.856475e-02
C17	1.172323e-05	...	9.523046e-03	8.718812e-03	9.319363e-03
C17	6.313161e-04	...	2.826763e-05	4.725484e-05	3.013335e-05
C18	1.271386e-04	...	3.019829e-03	2.777821e-03	2.956053e-03
C19	3.510595e-05	...	3.238757e-06	2.607010e-06	3.203421e-06
C19	8.846295e-03	...	3.188394e-01	2.603683e-01	3.166237e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	9.732037e-07	...	1.582685e-03	1.533570e-03	1.538154e-03
C20-21	9.745449e-06	...	4.699933e-03	4.544439e-03	4.568961e-03
C20-21	6.620588e-09	...	2.142945e-07	1.955353e-07	2.098700e-07
C20-21	1.856956e-02	...	1.372334e-03	1.228312e-03	1.346863e-03
C20-21	2.847524e-03	...	1.333866e-03	8.552367e-04	1.296756e-03
C22	4.500365e-03	...	2.365196e-03	8.009259e-04	2.775453e-03
C23	7.126221e-04	...	1.432945e-04	9.034418e-05	1.406512e-04
C23	3.951834e-05	...	9.966903e-06	6.113117e-06	9.893217e-06
C23	1.590741e-04	...	9.628820e-05	5.938220e-05	9.502740e-05
C23	6.515054e-05	...	3.664189e-05	2.328140e-05	3.667842e-05
C23	1.419759e-03	...	1.229802e-03	8.015847e-04	1.218019e-03
C23	1.371953e-04	...	7.662795e-05	4.895070e-05	7.663518e-05
C23	2.478812e-04	...	8.190352e-05	6.623925e-05	8.146573e-05
C24	2.391942e-06	...	3.023144e-05	1.893847e-05	2.957629e-05
C24	1.026941e-04	...	1.848865e-03	1.157709e-03	1.808762e-03
C24	1.443151e-05	...	1.190592e-04	2.853507e-05	1.299690e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.578904e-05	...	2.624656e-06	1.797734e-06	2.600644e-06
C24	4.210736e-05	...	6.819496e-06	4.640817e-06	6.777124e-06
C24	1.755403e-04	...	4.730811e-03	8.691609e-04	5.268518e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

C24	1.035785e-04	...	8.676664e-05	5.716175e-05	4.359954e-03
C24	1.036275e-05	...	1.802565e-06	1.262834e-06	5.771868e-05
C24	1.768207e-06	...	6.494672e-07	2.553408e-07	9.004938e-07
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.618103e-05	...	7.167877e-06	5.005806e-06	7.062342e-06
C25_33	2.791523e-03	...	5.820030e-04	2.571097e-04	6.515298e-04
C25	1.563938e-03	...	3.937520e-03	1.108539e-03	3.946345e-03
C26	2.285782e-04	...	2.309404e-05	9.214304e-06	2.556930e-05
C27	5.347208e-03	...	8.973333e-03	5.231801e-03	7.997002e-03
C27	9.899025e-05	...	3.703805e-04	2.410560e-05	4.211719e-04
C28_32	1.711677e-03	...	3.729223e-05	2.135277e-05	4.045333e-05
C29	4.202793e-04	...	1.145766e-03	7.695517e-04	1.119549e-03
C30	2.145860e-04	...	1.601528e-03	1.125185e-03	1.612831e-03
C31	4.232472e-02	...	1.739290e-04	1.020622e-04	1.706900e-04
E37-39	2.933006e-06	...	2.631903e-05	1.727774e-05	2.586055e-05
E37-39	5.845609e-05	...	1.126200e-04	9.036408e-05	1.138463e-04
D35	8.221204e-05	...	1.889819e-04	1.426774e-04	1.857533e-04
D35	6.028782e-06	...	1.512217e-05	1.005428e-05	1.529952e-05
D35	2.600014e-05	...	6.245175e-05	4.630772e-05	6.130351e-05
D35	6.805877e-06	...	1.379327e-05	1.074591e-05	1.360335e-05
D35	5.247487e-08	...	2.039887e-07	1.609729e-07	1.997128e-07
D35	3.004471e-06	...	5.510847e-06	4.304180e-06	5.429861e-06
D35	1.999319e-08	...	3.198815e-08	1.476487e-08	2.855864e-08
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.444082e-07	...	5.403094e-07	4.320916e-07	5.302280e-07
D35	2.302347e-05	...	4.630489e-05	3.608231e-05	4.565521e-05
D35	5.625230e-05	...	1.137171e-04	8.860536e-05	1.121231e-04
D35	4.427706e-05	...	1.031682e-04	7.649583e-05	1.012716e-04
D35	2.789385e-04	...	6.382920e-04	4.749834e-04	6.261055e-04
E36	2.163936e-05	...	3.456701e-05	2.272141e-05	3.358843e-05
F	1.006854e-03	...	6.687854e-04	4.608031e-04	6.740580e-04
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	8.136628e-04	...	4.872100e-04	2.528729e-04	5.216649e-04
G47	3.012391e-04	...	1.747134e-04	1.052570e-04	1.836346e-04
G46	1.808613e-02	...	7.407735e-03	6.310011e-03	7.360607e-03
G47	6.793567e-03	...	2.927225e-03	3.244582e-03	2.980591e-03
I	1.813530e-03	...	1.446086e-04	1.053430e-02	1.444396e-04
H49	7.671835e-03	...	2.039946e-03	3.385449e-05	2.691003e-03
H49	3.185665e-02	...	1.138195e-02	2.971490e-03	1.231435e-02
H49	4.863256e-05	...	6.390319e-05	3.974493e-05	6.188127e-05
H50	6.713955e-04	...	1.060491e-03	9.622628e-04	1.038896e-03
H50	2.384504e-04	...	2.233417e-07	5.885756e-07	2.495065e-07
H51	4.367073e-04	...	2.569458e-02	2.170778e-02	2.548668e-02
H52	1.534120e-02	...	5.694342e-03	4.429095e-03	5.727113e-03
H53	3.466477e-03	...	6.265181e-04	3.588112e-05	8.545636e-04

	K64	9.668487e-03	...	9.096936e-06	5.334805e-06	9.653732e-06
	K65	5.332651e-04	...	1.205611e-05	1.041375e-05	1.233460e-05
	K66	7.905716e-05	...	1.970724e-06	1.711047e-06	2.016869e-06
	L68	9.239896e-04	...	1.523207e-04	1.363526e-03	1.577651e-04
	M_N	1.830963e-04	...	1.030138e-04	7.484182e-05	1.046060e-04
	J62_63	1.194589e-04	...	1.899503e-05	1.500762e-05	1.989807e-05
	M_N	2.622034e-05	...	5.821319e-06	2.791550e-06	6.363212e-06
	M_N	6.873684e-03	...	1.524031e-04	8.772873e-05	1.548766e-04
	O84	2.285376e-06	...	0.000000e+00	0.000000e+00	0.000000e+00
	P85	8.686938e-06	...	1.302476e-05	1.131422e-05	1.297163e-05
	M_N	1.160243e-05	...	7.815581e-06	7.267997e-06	7.862314e-06
	E37-39	5.016505e-07	...	2.464924e-07	1.126020e-07	3.153897e-07
	E37-39	8.153496e-07	...	2.379483e-07	1.115693e-07	3.018601e-07
	E37-39	1.350106e-06	...	1.268323e-07	5.969299e-08	1.613880e-07
	E37-39	1.038274e-04	...	1.256588e-06	6.738137e-07	1.504703e-06
	E37-39	1.600644e-07	...	1.000803e-07	4.664604e-08	1.605710e-07
	E37-39	1.537136e-07	...	1.412813e-07	6.206275e-08	2.272542e-07
	E37-39	2.051999e-06	...	1.339050e-06	6.160308e-07	1.769672e-06
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	4.572971e-07	...	1.078245e-07	4.898103e-08	1.417800e-07
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	6.986327e-06	...	2.674979e-06	1.804492e-06	2.749962e-06
	E37-39	9.522823e-06	...	3.669963e-06	2.450233e-06	3.782006e-06
	E37-39	2.867323e-05	...	1.102271e-05	7.693816e-06	1.139418e-05
	E37-39	1.746574e-05	...	6.722764e-06	4.675673e-06	6.948851e-06
	E37-39	1.801996e-06	...	1.285126e-04	8.929269e-05	1.192877e-04
	E37-39	2.267255e-05	...	8.984928e-06	6.210878e-06	9.401218e-06
	E37-39	3.542268e-06	...	1.546802e-06	1.006363e-06	1.594492e-06
	E37-39	4.266035e-06	...	1.752508e-06	1.210207e-06	1.800431e-06
	R_S	6.910535e-06	...	4.559239e-06	1.432669e-05	4.562306e-06
	R_S	8.883613e-05	...	3.234740e-05	3.266603e-05	3.364855e-05
	R_S	4.917730e-05	...	5.048757e-05	3.178441e-05	4.540347e-05
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
CY	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	6.961894e-08	...	4.088028e-05	3.244713e-05	4.063789e-05
	A01	9.389196e-05	...	4.125646e-08	1.281774e-08	4.516068e-08
	A01	1.360532e-04	...	4.460867e-03	3.160580e-03	4.527405e-03
	A01	7.077930e-09	...	8.669923e-10	2.855909e-11	1.979139e-09
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.153687e-03	...	8.056016e-04	1.185366e-04	8.686241e-04
	A01	7.314612e-09	...	6.128038e-06	1.369506e-10	7.229403e-06
	A01	5.072178e-08	...	1.493168e-04	4.032408e-10	1.761356e-04
	A01	4.848711e-08	...	1.711490e-04	4.232609e-10	2.018878e-04
	A01	7.935590e-06	...	4.146344e-04	1.045551e-04	4.640253e-04

A01	6.058806e-07	...	2.525948e-05	7.983035e-06	2.788165e-05
A01	3.957984e-08	...	5.953858e-04	3.373818e-10	7.023011e-04
A01	3.345226e-11	...	4.097645e-12	1.349781e-13	9.353960e-12
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A02	0.000000e+00	...	1.207654e-05	1.152258e-05	1.175935e-05
A03	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.400478e-06	...	6.438808e-07	1.169452e-08	8.491126e-07
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	6.825403e-07	...	1.528231e-06	1.224499e-06	1.580245e-06
B_nongas	2.397678e-04	...	2.418499e-03	1.668119e-03	2.362682e-03
C10-12	1.008269e-05	...	1.960138e-04	1.421139e-04	1.975360e-04
C10-12	1.251245e-04	...	2.345063e-03	1.680137e-03	2.364579e-03
C10-12	1.544110e-06	...	2.008170e-04	1.848645e-04	1.998501e-04
C10-12	3.478115e-06	...	2.135973e-04	1.884929e-04	2.131387e-04
C10-12	1.765325e-03	...	6.617871e-05	9.776621e-09	1.153460e-04
C10-12	2.276622e-02	...	7.042289e-04	5.026407e-04	7.102384e-04
C10-12	3.142591e-10	...	8.549174e-13	3.985524e-13	1.032168e-12
C10-12	1.305424e-09	...	3.551304e-12	1.655576e-12	4.287598e-12
C10-12	6.543095e-03	...	1.409063e-02	7.244862e-03	1.454512e-02
C10-12	2.943681e-03	...	3.688918e-03	1.035114e-03	3.912118e-03
C10-12	4.806644e-08	...	1.701918e-06	1.713524e-06	1.667326e-06
C10-12	2.231122e-06	...	1.279828e-02	1.515809e-03	1.311929e-02
C13-15	2.469685e-05	...	2.267280e-03	1.920292e-03	2.195316e-03
C13-15	1.080246e-06	...	2.586653e-04	2.449264e-04	2.566583e-04
C13-15	4.305618e-06	...	6.790134e-05	6.462069e-05	1.204699e-04
C16	1.167080e-05	...	4.730132e-05	4.426833e-05	4.760809e-05
C16	2.105048e-06	...	8.653178e-06	8.101750e-06	8.704465e-06
C17	1.075644e-09	...	6.226208e-05	5.701513e-05	6.093308e-05
C17	6.800236e-08	...	3.180947e-03	2.912913e-03	3.113102e-03
C17	2.262125e-06	...	4.720268e-05	4.686242e-05	4.703845e-05
C18	7.698875e-05	...	7.623720e-05	5.826480e-05	7.046598e-05
C19	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C19	0.000000e+00	...	2.526299e-04	2.123294e-04	2.514567e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	7.059259e-08	...	4.204465e-04	4.067206e-04	4.095961e-04
C20-21	3.652289e-07	...	9.155492e-04	8.727382e-04	9.091707e-04

C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	8.099302e-09	...	1.977593e-05	1.876350e-05	1.966655e-05
C20-21	3.898224e-08	...	1.220570e-04	8.853186e-05	1.190634e-04
C22	3.474431e-04	...	9.602622e-04	2.038328e-04	1.147427e-03
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.649066e-09	...	3.033364e-06	2.869159e-06	2.989087e-06
C23	1.892155e-08	...	2.071252e-05	1.962085e-05	2.041988e-05
C23	1.526132e-07	...	3.258591e-04	2.116836e-04	3.393686e-04
C23	2.283006e-08	...	5.360476e-05	3.639525e-05	5.552666e-05
C23	1.800777e-08	...	1.010243e-05	1.046547e-05	1.005451e-05
C24	8.552131e-08	...	7.374830e-04	4.616737e-04	7.215618e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.672610e-09	...	5.893276e-05	1.359722e-05	6.446000e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.342782e-07	...	1.948791e-06	1.565393e-06	2.049758e-06
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.420761e-08	...	7.842300e-04	1.419305e-04	8.739342e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.709451e-06	...	2.880497e-06	2.455469e-06	3.612602e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.071790e-10	...	3.005362e-09	2.843165e-09	2.980972e-09
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	2.172840e-04	...	1.406303e-03	8.091147e-04	1.433027e-03
C25	2.294137e-04	...	1.238678e-03	2.139834e-04	1.272526e-03
C26	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C27	1.501470e-03	...	9.375678e-04	5.655117e-04	8.396331e-04
C27	1.412331e-09	...	4.440187e-04	1.744632e-04	4.792866e-04
C28_32	0.000000e+00	...	6.082505e-06	4.081030e-06	6.514038e-06
C29	2.550489e-06	...	5.793084e-04	4.140699e-04	5.919545e-04
C30	1.762592e-06	...	2.174255e-04	1.541083e-04	2.202290e-04
C31	1.718861e-04	...	2.371503e-04	1.827788e-04	2.331050e-04
E37-39	4.759061e-07	...	1.048811e-05	9.057704e-06	1.038964e-05
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	8.346416e-10	...	2.270578e-12	1.058517e-12	2.741337e-12
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.041665e-10	...	2.867987e-07	2.735336e-07	2.847673e-07

D35	8.084452e-10	...	2.225869e-06	2.122918e-06	2.210103e-06
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E36	1.295193e-09	...	3.523470e-12	1.642600e-12	4.253993e-12
F	3.290951e-07	...	1.049938e-04	9.993517e-05	1.042297e-04
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.170031e-05	...	4.834549e-05	1.790128e-04	4.696719e-05
G47	2.828020e-05	...	9.436952e-04	8.226161e-04	9.558214e-04
G46	3.315523e-04	...	2.230759e-02	2.108015e-02	2.242451e-02
G47	1.604455e-05	...	3.465375e-02	3.304378e-02	3.442475e-02
I	1.208817e-03	...	3.861496e-04	4.801252e-03	3.827822e-04
H49	6.090668e-03	...	2.750674e-03	5.130086e-07	3.645326e-03
H49	8.937202e-03	...	3.475317e-03	8.859736e-04	3.762589e-03
H49	1.192571e-05	...	1.095910e-04	6.419847e-05	1.050851e-04
H50	2.276769e-03	...	7.506907e-03	6.812524e-03	7.352017e-03
H50	1.311311e-05	...	6.136972e-09	1.732544e-06	5.054775e-09
H51	2.003981e-04	...	1.368377e-02	1.155749e-02	1.357303e-02
H52	1.177498e-03	...	8.018897e-08	1.100753e-07	8.223636e-08
H53	9.392129e-07	...	2.129352e-03	1.265320e-05	2.952968e-03
K64	2.017135e-02	...	1.367153e-05	7.477377e-06	1.200163e-05
K65	1.261009e-04	...	3.169609e-09	0.000000e+00	6.119587e-09
K66	2.778725e-07	...	3.234291e-08	1.759023e-08	3.525144e-08
L68	9.925933e-05	...	2.700273e-07	1.258835e-07	3.260121e-07
M_N	1.579840e-06	...	6.349686e-05	6.009896e-05	6.369755e-05
J62_63	4.702190e-06	...	1.578909e-04	1.483665e-04	1.582050e-04
M_N	6.109688e-07	...	1.601215e-07	8.233035e-08	1.798734e-07
M_N	1.096963e-03	...	6.963188e-05	6.631363e-05	6.917822e-05
O84	1.293050e-08	...	0.000000e+00	0.000000e+00	0.000000e+00
P85	2.844918e-06	...	5.876688e-07	5.475999e-07	5.874083e-07
M_N	6.445041e-08	...	2.614989e-05	2.482019e-05	2.580936e-05
E37-39	3.077954e-09	...	2.293711e-09	1.874652e-09	2.730840e-09
E37-39	1.890118e-09	...	5.601851e-07	5.340958e-07	5.564251e-07
E37-39	9.040462e-11	...	4.642768e-07	4.428031e-07	4.609882e-07
E37-39	2.451434e-04	...	4.604307e-06	3.486591e-06	5.267605e-06
E37-39	2.569772e-11	...	1.319717e-07	1.258678e-07	1.310369e-07
E37-39	3.470147e-11	...	1.783575e-07	1.700886e-07	1.770936e-07
E37-39	9.396089e-09	...	8.132287e-08	4.380953e-08	1.174215e-07
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.329145e-06	...	9.269358e-07	7.091055e-07	1.012510e-06
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	3.740387e-07	...	1.574716e-06	9.951039e-07	1.574645e-06
E37-39	1.032395e-06	...	2.907061e-06	2.067121e-06	2.798691e-06
E37-39	2.041306e-07	...	6.831780e-06	5.330762e-06	6.740901e-06
E37-39	1.332115e-07	...	3.339633e-06	2.814638e-06	3.272093e-06
E37-39	1.902583e-09	...	9.916097e-05	6.890374e-05	9.200193e-05
E37-39	6.821728e-08	...	2.886607e-06	2.371080e-06	3.008134e-06

	E37-39	1.699699e-08	...	5.746650e-07	4.672940e-07	5.535956e-07
	E37-39	2.248866e-08	...	7.891424e-07	6.482529e-07	7.730957e-07
	R_S	5.310782e-08	...	7.404570e-07	6.863063e-07	7.399246e-07
	R_S	1.337039e-05	...	1.179829e-04	1.123535e-04	1.171698e-04
	R_S	5.475337e-06	...	1.035400e-04	9.845582e-05	1.027779e-04
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
CZ	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	5.898491e-02	...	1.216791e-04	9.575059e-05	1.211124e-04
	A01	1.165992e-01	...	3.038189e-03	2.446709e-03	3.018732e-03
	A01	3.378936e-04	...	1.692272e-03	1.198997e-03	1.717509e-03
	A01	1.889520e-09	...	2.040383e-05	1.172377e-05	2.105309e-05
	A01	8.737091e-06	...	3.227028e-10	3.822044e-11	3.307970e-10
	A01	0.000000e+00	...	1.549040e-10	8.998178e-11	0.000000e+00
	A01	1.277850e-01	...	1.203147e-04	2.826239e-05	1.295301e-04
	A01	2.844237e-04	...	1.294288e-04	5.950259e-10	1.526695e-04
	A01	1.770560e-04	...	8.057075e-05	5.070492e-10	9.503872e-05
	A01	2.062205e-04	...	9.384196e-05	4.678245e-10	1.106927e-04
	A01	2.444648e-03	...	7.079821e-04	6.603335e-06	8.335520e-04
	A01	2.034783e-04	...	5.247570e-05	1.139133e-06	6.165266e-05
	A01	2.996397e-04	...	4.630768e-04	8.351824e-10	5.462297e-04
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	2.298798e-03	...	6.232466e-04	2.661264e-04	6.590149e-04
	A03	2.372240e-03	...	1.665383e-05	4.927823e-06	1.794209e-05
	B_nongas	3.685574e-02	...	4.675119e-04	1.972905e-04	4.909642e-04
	B_nongas	9.410782e-05	...	1.386849e-05	7.693997e-06	1.331935e-05
	B_gas	5.119969e-05	...	9.815514e-06	5.638518e-06	9.475799e-06
	B_gas	1.277478e-05	...	2.392088e-06	1.423517e-06	2.309050e-06
	B_nongas	1.561652e-05	...	3.646489e-06	2.246674e-06	3.551751e-06
	B_nongas	4.278842e-08	...	1.009860e-08	8.159941e-09	9.989784e-09
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.671852e-09	...	3.273776e-09	2.854869e-15	3.202624e-09
	B_nongas	8.103454e-05	...	1.191937e-08	3.009438e-12	1.702261e-08
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	5.900759e-12	...	5.297396e-15	0.000000e+00	1.247670e-14
	B_nongas	3.527412e-08	...	4.263713e-08	9.713803e-09	4.182888e-08
	B_nongas	1.565217e-04	...	5.573731e-05	1.206739e-05	6.260431e-05
	B_nongas	2.455819e-04	...	1.023768e-04	2.227706e-05	1.149704e-04
	B_nongas	1.659700e-03	...	2.664110e-03	1.807788e-03	2.603345e-03
	C10-12	1.132728e-02	...	6.168791e-04	4.386386e-04	6.225724e-04
	C10-12	1.317987e-02	...	5.978759e-04	4.302490e-04	6.018737e-04
	C10-12	2.159371e-03	...	3.992103e-05	2.151260e-05	4.125139e-05
	C10-12	7.582992e-02	...	4.147198e-03	2.949204e-03	4.182745e-03
	C10-12	1.694171e-03	...	6.437746e-05	4.556092e-05	6.520467e-05
	C10-12	2.659480e-02	...	5.742911e-04	3.594230e-04	5.879601e-04
	C10-12	2.245667e-06	...	2.138791e-08	2.352488e-09	2.107558e-08

C10-12	2.208760e-01	...	2.406862e-03	7.213848e-04	2.646075e-03
C10-12	3.931204e-01	...	1.252998e-02	7.364348e-03	1.294439e-02
C10-12	1.044218e-01	...	5.413320e-03	3.130419e-03	5.548580e-03
C10-12	5.251723e-02	...	3.246160e-05	1.417205e-05	3.503162e-05
C10-12	1.155468e-03	...	1.004280e-03	1.199562e-04	1.029442e-03
C13-15	1.331948e-02	...	2.276744e-02	1.918995e-02	2.207404e-02
C13-15	1.242816e-03	...	4.350861e-04	3.688781e-04	4.259199e-04
C13-15	6.134480e-02	...	1.277045e-04	8.724929e-05	3.248665e-04
C16	3.402209e-02	...	4.585936e-04	1.286290e-04	5.113800e-04
C16	1.493993e-03	...	1.923053e-05	5.205173e-06	2.152240e-05
C17	6.120775e-04	...	7.941519e-04	7.043709e-04	7.809389e-04
C17	2.446330e-04	...	3.461014e-04	3.081687e-04	3.402760e-04
C17	1.704155e-02	...	8.050324e-05	9.120519e-05	8.523605e-05
C18	1.400021e-03	...	1.969018e-04	1.160350e-04	2.159825e-04
C19	1.228245e-04	...	3.389531e-06	2.088823e-06	3.210922e-06
C19	6.887268e-02	...	3.952970e-02	3.205622e-02	3.899146e-02
C24	3.077354e-06	...	1.822119e-02	9.956796e-08	1.782445e-02
C20-21	8.114873e-07	...	2.273129e-04	2.201863e-04	2.209195e-04
C20-21	1.752256e-05	...	7.246676e-03	7.021255e-03	7.042688e-03
C20-21	6.730302e-03	...	1.287439e-04	7.686543e-05	1.295569e-04
C20-21	8.144827e-02	...	2.775497e-04	1.660885e-04	2.794017e-04
C20-21	4.313437e-02	...	2.720904e-03	1.660371e-03	2.680150e-03
C22	8.197921e-02	...	5.233381e-03	8.783779e-04	6.330873e-03
C23	1.390152e-02	...	9.487592e-04	5.973580e-04	9.524223e-04
C23	1.265042e-03	...	9.054865e-05	5.737547e-05	9.096542e-05
C23	9.141377e-04	...	4.118639e-04	2.604884e-04	4.130754e-04
C23	1.393494e-04	...	6.519858e-05	4.170962e-05	6.565825e-05
C23	3.740329e-04	...	2.839964e-04	1.803583e-04	2.866639e-04
C23	7.274308e-05	...	5.448763e-05	3.451805e-05	5.499965e-05
C23	3.781885e-03	...	3.305788e-04	2.660666e-04	3.330423e-04
C24	8.344015e-04	...	4.893818e-02	3.059406e-02	4.788131e-02
C24	1.915327e-04	...	1.328880e-02	8.306773e-03	1.300155e-02
C24	2.234133e-04	...	1.131646e-04	4.398173e-05	1.184068e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.283558e-04	...	1.498494e-04	7.815294e-05	1.509476e-04
C24	9.427156e-04	...	2.389620e-04	1.012558e-04	2.434863e-04
C24	2.345480e-04	...	8.412758e-04	1.698716e-04	9.319474e-04
C24	2.079392e-04	...	7.937243e-04	1.582547e-04	8.798647e-04
C24	1.969758e-04	...	5.676550e-05	3.054065e-05	8.672011e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.133622e-06	...	2.614147e-06	1.122660e-06	3.052383e-06
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.311317e-03	...	3.695869e-04	1.919418e-04	3.721417e-04
C25_33	4.356379e-02	...	5.046343e-03	3.047217e-03	4.942937e-03
C25	3.628024e-02	...	1.850810e-02	5.034611e-03	1.868850e-02
C26	6.555268e-02	...	8.033036e-04	2.824395e-04	1.187073e-03
C27	4.595364e-01	...	5.730135e-02	3.327144e-02	5.108646e-02
C27	1.129403e-02	...	9.385046e-03	1.238528e-03	1.052001e-02

C28_32	1.626055e-02	...	6.615109e-04	3.580980e-04	6.552257e-04
C29	6.212648e-02	...	1.307029e-01	9.214209e-02	1.326079e-01
C30	6.051715e-03	...	7.886198e-03	5.468499e-03	7.909117e-03
C31	2.086058e-01	...	8.706736e-04	4.725626e-04	8.495946e-04
E37-39	7.705537e-05	...	2.392418e-04	1.402608e-04	2.369206e-04
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.916014e-04	...	1.977521e-04	4.896931e-05	2.239663e-04
D35	4.479446e-04	...	8.063650e-04	5.534930e-04	7.885245e-04
D35	1.639949e-04	...	1.490601e-04	3.743423e-05	1.652545e-04
D35	1.233268e-05	...	1.121658e-05	2.816897e-06	1.243518e-05
D35	7.349737e-07	...	6.514955e-07	1.570010e-07	7.232359e-07
D35	4.604186e-07	...	4.179873e-07	1.039978e-07	4.636601e-07
D35	9.485456e-06	...	8.626975e-06	2.166521e-06	9.564242e-06
D35	2.695755e-08	...	3.200932e-09	1.100990e-09	3.313690e-09
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.537214e-05	...	2.306758e-05	5.793117e-06	2.557371e-05
D35	1.254260e-04	...	1.140351e-04	2.863801e-05	1.264243e-04
D35	3.650416e-04	...	1.651252e-04	3.848913e-05	1.957351e-04
D35	1.311626e-04	...	5.692644e-05	1.368260e-05	6.736903e-05
D35	5.444864e-04	...	2.601591e-04	5.907501e-05	3.087827e-04
E36	4.504259e-05	...	3.478580e-05	2.027661e-05	3.482027e-05
F	4.394664e-03	...	1.609306e-03	7.663283e-04	1.676992e-03
F	3.785650e-06	...	1.696527e-06	7.758278e-07	1.778972e-06
G45	1.524789e-03	...	8.244903e-04	2.379039e-04	9.173951e-04
G47	4.809593e-04	...	1.958387e-04	8.184348e-05	2.133189e-04
G46	5.324500e-02	...	7.265385e-03	4.441978e-03	7.418861e-03
G47	4.506175e-02	...	3.013874e-03	1.660009e-03	3.084810e-03
I	4.507244e-03	...	1.640195e-04	3.641345e-03	1.772274e-04
H49	1.897746e-02	...	3.822205e-02	9.042771e-05	5.061148e-02
H49	6.823884e-02	...	9.177243e-02	2.354845e-02	9.932184e-02
H49	5.027664e-04	...	5.966947e-04	3.553472e-04	5.723833e-04
H50	4.883224e-04	...	3.321205e-04	3.030787e-04	3.252843e-04
H50	1.175161e-05	...	3.150053e-07	3.483544e-07	3.127523e-07
H51	1.613305e-03	...	1.907587e-01	1.610871e-01	1.892088e-01
H52	4.445175e-02	...	6.839641e-02	5.229035e-02	6.896015e-02
H53	1.919635e-03	...	8.517592e-04	5.882339e-05	1.108596e-03
K64	6.945362e-03	...	1.547630e-06	8.442306e-07	1.361986e-06
K65	2.991858e-03	...	5.751433e-07	5.419783e-07	5.775233e-07
K66	8.259871e-06	...	1.324948e-05	1.252396e-05	1.318231e-05
L68	1.953516e-03	...	3.808581e-04	1.704124e-04	4.201739e-04
M_N	2.888893e-03	...	5.290513e-05	3.010008e-05	5.202244e-05
J62_63	2.862593e-03	...	4.040272e-05	1.702528e-05	5.781576e-05
M_N	3.488866e-03	...	6.630873e-05	4.605857e-05	6.589586e-05
M_N	2.716547e-02	...	9.872489e-04	4.152731e-04	1.055886e-03
O84	3.966265e-04	...	5.756690e-05	6.426302e-05	5.574840e-05
P85	2.232752e-04	...	2.307008e-06	2.059428e-04	2.419834e-06

	M_N	1.638212e-04	...	1.415653e-04	1.482551e-04	1.424294e-04
	E37-39	6.232203e-05	...	6.082263e-06	2.585527e-06	6.600469e-06
	E37-39	4.412081e-05	...	5.025830e-06	2.137894e-06	5.518301e-06
	E37-39	1.147639e-05	...	1.106522e-06	4.616131e-07	1.229689e-06
	E37-39	2.446754e-04	...	1.001155e-05	4.122635e-06	1.156042e-05
	E37-39	9.847835e-06	...	9.465699e-07	3.904581e-07	1.062532e-06
	E37-39	1.301991e-05	...	1.329747e-06	5.432948e-07	1.527117e-06
	E37-39	6.982331e-05	...	1.124946e-05	4.190852e-06	1.495410e-05
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	3.613837e-04	...	4.434093e-05	2.072122e-05	4.967202e-05
	E37-39	6.670531e-05	...	1.009160e-05	4.524210e-06	1.157963e-05
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.406866e-04	...	1.463517e-05	6.559743e-06	1.485574e-05
	E37-39	2.615060e-04	...	2.925981e-05	1.326145e-05	2.975559e-05
	E37-39	3.656178e-04	...	3.862066e-05	1.773603e-05	3.909111e-05
	E37-39	2.463505e-04	...	2.683834e-05	1.223641e-05	2.729546e-05
	E37-39	2.910248e-05	...	2.810549e-04	1.945904e-04	2.610165e-04
	E37-39	1.700756e-04	...	2.193277e-05	1.036149e-05	2.356299e-05
	E37-39	5.192285e-05	...	5.529976e-06	2.546165e-06	5.603375e-06
	E37-39	6.697484e-05	...	7.170851e-06	3.288723e-06	7.304634e-06
	R_S	7.811279e-05	...	2.336221e-05	2.543232e-05	2.312451e-05
	R_S	6.132850e-04	...	9.199015e-05	8.639124e-05	1.036821e-04
	R_S	1.282740e-04	...	5.001122e-06	7.952851e-06	4.719072e-06
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
DE	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.679132e-02	...	3.798539e-01	3.015471e-01	3.775906e-01
	A01	7.273595e-01	...	1.928355e-01	1.543344e-01	1.917770e-01
	A01	2.898418e-02	...	1.926734e-02	1.365118e-02	1.955468e-02
	A01	2.186939e-09	...	9.027021e-03	5.187117e-03	9.314251e-03
	A01	2.170616e-05	...	3.550385e-11	1.359996e-11	3.978220e-11
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	9.985364e+00	...	3.467945e-02	1.105193e-02	3.756443e-02
	A01	1.892037e-02	...	2.247670e-03	5.590827e-08	2.651271e-03
	A01	1.122430e-02	...	1.857763e-03	3.345408e-08	2.191350e-03
	A01	2.291945e-03	...	2.210404e-04	6.844379e-09	2.607313e-04
	A01	3.474114e-03	...	5.282153e-04	1.074459e-04	6.034130e-04
	A01	5.338099e-04	...	1.259833e-04	4.018049e-05	1.409520e-04
	A01	1.610633e-02	...	6.105495e-03	4.776475e-08	7.201823e-03
	A01	1.437578e-11	...	1.624212e-12	6.221642e-13	1.819936e-12
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	3.025261e-03	...	4.788178e-06	1.649107e-07	9.219593e-06
	A03	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	4.728896e-01	...	4.437931e-03	3.070830e-03	3.363930e-03
	B_nongas	7.453315e-03	...	3.611349e-04	2.908581e-04	3.574448e-04
	B_gas	4.538334e-02	...	2.346005e-03	1.903108e-03	2.330583e-03

B_gas	2.131563e-05	...	1.178037e-06	9.163760e-07	1.170068e-06
B_nongas	1.381428e-05	...	2.537564e-05	4.211823e-06	2.597151e-05
B_nongas	3.653525e-06	...	4.516868e-06	1.345435e-06	5.148507e-06
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	8.096464e-05	...	1.204791e-05	1.127643e-05	1.176923e-05
B_nongas	4.966133e-05	...	2.755135e-07	7.472153e-09	4.743316e-07
B_nongas	6.752240e-03	...	1.952944e-04	1.729880e-04	1.925654e-04
B_nongas	3.939421e-03	...	2.159161e-04	1.795205e-04	2.136506e-04
B_nongas	2.035324e-01	...	5.716730e-02	3.942018e-02	5.585043e-02
C10-12	3.323005e-01	...	8.316552e-03	5.973511e-03	8.381815e-03
C10-12	5.531152e-01	...	1.359174e-02	9.699501e-03	1.370702e-02
C10-12	3.296675e-02	...	9.644050e-04	5.821302e-04	1.160606e-03
C10-12	3.800032e+00	...	9.325984e-02	6.654975e-02	9.405185e-02
C10-12	6.904466e-01	...	1.341673e-02	8.868661e-03	1.427658e-02
C10-12	2.073633e+00	...	3.891526e-03	2.757876e-03	3.929405e-03
C10-12	5.261153e-03	...	1.291527e-04	9.217024e-05	1.323008e-04
C10-12	6.195912e-01	...	6.066955e-02	8.261381e-03	6.886444e-02
C10-12	8.411784e+00	...	2.435980e-01	1.392363e-01	2.514304e-01
C10-12	2.795930e+00	...	9.562491e-02	4.284718e-02	9.946061e-02
C10-12	2.001500e+00	...	7.732433e-05	3.071777e-05	8.469917e-05
C10-12	9.937867e-03	...	1.929051e-01	2.297267e-02	1.977367e-01
C13-15	1.737497e-01	...	2.348275e-01	1.985521e-01	2.274459e-01
C13-15	6.609199e-03	...	3.389154e-04	4.821864e-04	3.301870e-04
C13-15	1.404235e-01	...	1.213576e-05	7.382048e-07	3.016303e-03
C16	1.052712e-01	...	5.419255e-04	2.445336e-04	7.128975e-04
C16	1.829574e-02	...	2.378972e-04	1.813978e-04	2.643641e-04
C17	4.308997e-04	...	5.065772e-03	4.615698e-03	4.961961e-03
C17	2.457089e-03	...	2.193701e-02	1.994041e-02	2.149935e-02
C17	2.799992e-01	...	6.584665e-04	1.047367e-03	6.870515e-04
C18	8.900949e-03	...	1.403492e-04	3.614483e-04	1.390331e-04
C19	3.986257e-04	...	3.738642e-04	3.340144e-04	3.582950e-04
C19	5.008839e+00	...	2.416138e-01	1.986850e-01	2.395260e-01
C24	2.070155e-04	...	1.146012e-02	5.999131e-06	1.121335e-02
C20-21	7.734156e-01	...	6.638246e-01	6.332612e-01	6.466070e-01
C20-21	1.051077e-01	...	9.595172e-02	9.165089e-02	9.345808e-02
C20-21	1.980471e-03	...	8.851295e-06	6.578252e-06	9.185706e-06
C20-21	6.020167e-01	...	8.771193e-05	4.486858e-05	9.352392e-05
C20-21	2.421678e-02	...	1.783213e-02	1.071749e-02	1.760352e-02
C22	1.004958e+00	...	7.028462e-02	1.259869e-02	8.533557e-02
C23	1.114366e-01	...	6.943415e-04	4.499490e-04	6.695497e-04
C23	3.954125e-02	...	3.409968e-04	2.520921e-04	3.298245e-04
C23	6.985534e-03	...	6.883658e-04	4.209491e-04	6.535458e-04
C23	1.364386e-03	...	3.445042e-04	2.620487e-04	3.381654e-04
C23	6.867718e-03	...	1.476269e-03	9.378824e-04	1.443314e-03
C23	1.131610e-03	...	4.005653e-04	3.067309e-04	3.914458e-04

C23	4.979214e-02	...	7.295756e-04	1.439574e-03	7.107059e-04
C24	5.370207e-02	...	1.099503e-01	6.913459e-02	1.075725e-01
C24	1.845983e-02	...	4.276176e-02	2.689823e-02	4.184611e-02
C24	2.767384e-03	...	1.203267e-02	2.985692e-03	1.312032e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.665833e-03	...	3.949327e-04	2.782397e-04	3.950273e-04
C24	6.703533e-03	...	4.687256e-04	3.028189e-04	4.721513e-04
C24	1.949519e-03	...	6.366004e-02	1.165783e-02	7.091192e-02
C24	8.371728e-04	...	1.993016e-02	3.682190e-03	2.219439e-02
C24	1.432217e-02	...	1.138902e-03	8.388928e-04	1.102790e-02
C24	1.031117e-05	...	1.510020e-06	1.268272e-06	9.745481e-06
C24	1.510711e-03	...	1.455162e-04	7.293999e-05	1.844126e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.482692e-02	...	1.348327e-03	1.033968e-03	1.329738e-03
C25_33	3.622684e-01	...	1.848188e-02	1.110776e-02	1.844041e-02
C25	3.997478e-01	...	3.697614e-01	6.929458e-02	3.780002e-01
C26	2.354299e-01	...	1.780599e-03	8.927709e-04	1.965077e-03
C27	3.742159e+00	...	7.255106e-01	4.231140e-01	6.470489e-01
C27	3.640505e-02	...	3.674390e-02	3.328251e-03	4.115500e-02
C28_32	3.057249e-01	...	2.089262e-02	1.169409e-02	1.979908e-02
C29	9.899897e-02	...	8.566722e-01	6.023581e-01	8.735540e-01
C30	3.090987e-02	...	7.912923e-01	5.612884e-01	8.013916e-01
C31	1.805565e+00	...	3.113125e-03	1.702351e-03	3.006148e-03
E37-39	1.366397e-03	...	5.930635e-05	3.049358e-05	5.423186e-05
E37-39	6.063560e-03	...	4.207411e-07	5.818228e-06	6.001744e-07
D35	1.005645e-02	...	1.461972e-03	7.859335e-04	1.338399e-03
D35	2.511498e-03	...	3.368594e-04	1.717470e-04	3.150634e-04
D35	2.781956e-03	...	3.810794e-04	1.946681e-04	3.566597e-04
D35	4.396580e-04	...	8.406954e-05	5.489742e-05	8.052184e-05
D35	7.299299e-04	...	1.028467e-04	5.419940e-05	9.649916e-05
D35	2.372204e-04	...	3.206493e-05	1.630995e-05	2.998740e-05
D35	5.335150e-04	...	7.216168e-05	3.652234e-05	6.755770e-05
D35	5.561190e-05	...	1.106258e-05	7.208938e-06	1.059977e-05
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.283744e-04	...	4.526811e-05	2.949676e-05	4.339001e-05
D35	6.373070e-03	...	9.284359e-04	5.003100e-04	8.500154e-04
D35	1.980213e-02	...	2.854586e-03	1.547390e-03	2.607700e-03
D35	9.006312e-03	...	1.293132e-03	6.963451e-04	1.183614e-03
D35	1.628575e-03	...	2.315922e-04	1.220897e-04	2.185524e-04
E36	1.287533e-02	...	2.737516e-03	1.604503e-03	2.510346e-03
F	6.078185e-02	...	7.174239e-03	3.867551e-03	6.867553e-03
F	1.103213e-04	...	2.035538e-05	1.342435e-05	1.988428e-05
G45	2.864503e-03	...	4.757115e-04	1.335014e-03	4.800469e-04
G47	1.198632e-03	...	1.976508e-03	1.718008e-03	2.002632e-03
G46	5.747869e-01	...	2.153297e-01	1.950882e-01	2.172443e-01
G47	3.909660e-02	...	1.695418e-01	1.607720e-01	1.684992e-01

I	1.195817e-01	...	8.338028e-04	1.058880e-02	9.055265e-04
H49	2.693197e-01	...	6.272885e-02	1.351879e-04	8.307907e-02
H49	4.081411e-01	...	1.479211e-01	3.883690e-02	1.599694e-01
H49	7.363711e-04	...	2.000439e-03	1.196470e-03	1.920497e-03
H50	2.309040e-01	...	3.359729e-01	3.038679e-01	3.292020e-01
H50	9.141727e-03	...	1.640853e-04	1.651611e-04	1.635648e-04
H51	2.115416e-02	...	3.941777e+00	3.329184e+00	3.909841e+00
H52	3.090647e-01	...	1.465553e-02	3.000847e-03	1.676516e-02
H53	5.962451e-02	...	3.812444e-02	2.912944e-03	5.033294e-02
K64	4.316460e-01	...	1.191661e-04	6.510865e-05	1.047149e-04
K65	2.828722e-02	...	3.291837e-07	1.274101e-07	3.702697e-07
K66	1.422725e-04	...	1.420289e-05	7.683210e-06	1.548797e-05
L68	9.668185e-03	...	5.413638e-06	2.520978e-06	6.533129e-06
M_N	7.722773e-02	...	1.114008e-06	3.924244e-07	1.363926e-06
J62_63	1.173647e-02	...	1.150255e-04	6.601762e-05	1.388314e-04
M_N	4.093599e-04	...	3.859772e-05	2.084210e-05	4.334362e-05
M_N	7.836771e-01	...	2.605280e-04	1.063356e-05	3.566302e-04
O84	3.577442e-05	...	4.212613e-07	1.664155e-07	4.681905e-07
P85	1.817885e-04	...	1.319658e-06	6.528223e-07	1.578774e-06
M_N	3.510125e-04	...	5.330792e-06	2.698042e-06	6.085335e-06
E37-39	9.295299e-05	...	4.479630e-05	1.873581e-05	6.806442e-05
E37-39	1.157855e-04	...	6.354745e-05	2.680148e-05	9.471409e-05
E37-39	1.563506e-04	...	7.515180e-05	3.323661e-05	9.313869e-05
E37-39	6.370641e-03	...	2.730158e-04	9.784150e-05	4.034705e-04
E37-39	1.618461e-05	...	9.744740e-06	4.415631e-06	1.518259e-05
E37-39	7.271719e-05	...	5.059837e-05	2.115220e-05	7.909028e-05
E37-39	2.615425e-04	...	3.116116e-04	9.400058e-05	5.197600e-04
E37-39	9.042241e-06	...	1.864310e-06	6.658081e-07	1.987693e-06
E37-39	1.590734e-06	...	2.201897e-07	9.803132e-08	3.100125e-07
E37-39	3.595506e-04	...	1.807010e-04	9.979334e-05	2.363247e-04
E37-39	3.110263e-04	...	1.739972e-04	7.975618e-05	2.230073e-04
E37-39	3.282500e-07	...	4.236716e-06	3.076753e-06	4.879193e-06
E37-39	1.344507e-04	...	2.816050e-05	1.555387e-05	2.549996e-05
E37-39	1.044446e-03	...	2.339302e-04	1.328318e-04	2.118062e-04
E37-39	1.698309e-05	...	3.723416e-07	1.866463e-07	3.627731e-07
E37-39	1.664013e-05	...	1.410045e-06	7.134548e-07	1.324059e-06
E37-39	2.822467e-06	...	6.466507e-04	4.492425e-04	5.999306e-04
E37-39	1.709910e-04	...	4.495160e-05	2.448657e-05	5.173777e-05
E37-39	1.039433e-05	...	6.075430e-08	2.743479e-08	7.032664e-08
E37-39	5.049029e-06	...	8.027112e-07	4.299165e-07	7.592007e-07
R_S	2.615539e-07	...	1.668415e-06	5.659123e-07	1.898541e-06
R_S	1.182067e-02	...	7.410069e-06	2.119992e-06	8.047149e-06
R_S	2.575191e-04	...	2.258653e-05	3.566511e-06	2.068613e-05
T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
DK	A01	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	...	5.328996e-04	1.668747e-04	5.777208e-04
	A01	...	2.481301e-02	1.992817e-02	2.466407e-02

A01	3.237146e-05	...	1.039938e-02	7.368106e-03	1.055447e-02
A01	0.000000e+00	...	1.595801e-03	9.169806e-04	1.646577e-03
A01	1.523537e-05	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	1.690508e-01	...	1.802012e-02	7.122624e-03	1.897449e-02
A01	0.000000e+00	...	0.000000e+00	2.041787e-10	0.000000e+00
A01	1.085602e-06	...	1.241973e-03	8.796621e-10	1.464987e-03
A01	1.190872e-07	...	1.362407e-04	5.780367e-11	1.607046e-04
A01	1.881352e-02	...	8.636916e-03	6.004236e-03	8.747372e-03
A01	3.812260e-04	...	1.789470e-04	1.251801e-04	1.810418e-04
A01	8.203058e-07	...	9.384639e-04	2.220209e-10	1.106978e-03
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A02	1.030122e-01	...	2.674757e-03	8.375652e-04	2.899739e-03
A03	2.608222e-07	...	1.045957e-07	8.652805e-09	1.094934e-07
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	8.635929e-07	...	4.119473e-06	3.369169e-07	4.309641e-06
B_gas	4.841625e-07	...	1.087409e-09	4.110582e-10	1.263724e-09
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.502530e-06	...	9.858972e-07	4.415428e-07	1.027312e-06
B_nongas	3.244637e-05	...	1.851073e-05	8.311975e-06	1.928773e-05
B_nongas	4.331212e-04	...	8.318182e-04	5.732151e-04	8.127252e-04
C10-12	1.397271e-02	...	1.819481e-02	1.295826e-02	1.835395e-02
C10-12	5.329035e-03	...	5.043583e-03	3.551413e-03	5.096788e-03
C10-12	1.135505e-03	...	4.189057e-04	2.711897e-04	4.305564e-04
C10-12	6.505574e-02	...	8.637285e-02	6.155976e-02	8.712236e-02
C10-12	7.661816e-03	...	9.629528e-03	6.771787e-03	9.804769e-03
C10-12	2.626369e-02	...	2.861855e-03	1.971942e-03	2.901176e-03
C10-12	2.767322e-09	...	4.521425e-10	2.823109e-10	3.716315e-07
C10-12	1.258569e-02	...	5.794682e-03	3.442369e-03	5.995677e-03
C10-12	1.407720e-01	...	1.404241e-01	9.618630e-02	1.421586e-01
C10-12	1.292997e-02	...	2.047922e-02	1.095167e-02	2.109039e-02
C10-12	1.860281e-01	...	7.498070e-04	2.447194e-04	8.120559e-04
C10-12	1.016206e-03	...	1.200265e-02	1.598333e-03	1.231681e-02
C13-15	3.231695e-03	...	1.871704e-02	1.568531e-02	1.815673e-02
C13-15	1.566666e-04	...	2.297450e-04	1.906242e-04	2.297506e-04
C13-15	3.610023e-04	...	8.026821e-08	5.636693e-08	7.021922e-05
C16	5.456754e-04	...	1.040344e-04	4.717161e-05	1.101003e-04
C16	5.030307e-04	...	9.533460e-05	4.322816e-05	1.009070e-04

C17	9.408566e-06	...	6.368665e-06	3.356204e-06	6.560055e-06
C17	4.277496e-05	...	2.911125e-05	1.532348e-05	2.990790e-05
C17	1.105194e-03	...	1.093873e-04	7.502731e-05	1.121747e-04
C18	4.116283e-04	...	4.349689e-05	3.490994e-05	4.402165e-05
C19	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C19	3.043369e-03	...	6.611573e-02	5.298713e-02	6.537387e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	5.625260e-04	...	1.164806e-03	9.309517e-04	1.158195e-03
C20-21	2.625442e-03	...	4.523808e-03	3.092551e-03	4.563176e-03
C20-21	2.208098e-05	...	1.475419e-05	6.180753e-06	1.541124e-05
C20-21	7.307875e-03	...	5.550797e-05	2.320746e-05	5.802665e-05
C20-21	4.226406e-04	...	2.108255e-03	1.085574e-03	2.047808e-03
C22	1.256119e-02	...	2.657482e-03	4.960056e-04	3.181686e-03
C23	7.189503e-04	...	1.360728e-04	9.311546e-05	1.321427e-04
C23	2.796302e-04	...	5.556885e-05	3.805072e-05	5.396724e-05
C23	2.108017e-04	...	1.124932e-04	7.412298e-05	1.081663e-04
C23	4.286189e-04	...	3.583375e-04	2.477550e-04	3.483434e-04
C23	2.113992e-04	...	2.000874e-04	1.322231e-04	1.969134e-04
C23	5.368051e-05	...	5.104736e-05	3.369283e-05	5.025363e-05
C23	4.848035e-04	...	2.698006e-04	2.193415e-04	2.623688e-04
C24	5.237252e-04	...	3.301242e-03	1.954091e-03	3.256790e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.416479e-05	...	8.826689e-03	2.033098e-03	9.654930e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.942959e-05	...	6.121066e-05	2.235076e-05	6.446337e-05
C24	3.104365e-04	...	2.330005e-04	7.232061e-05	2.452329e-04
C24	1.031826e-04	...	9.064721e-05	2.492251e-05	9.827752e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.199291e-05	...	3.482418e-05	1.268410e-05	6.373575e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.348134e-05	...	2.166976e-05	8.104861e-06	2.274870e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	1.530253e-02	...	3.230567e-03	1.532164e-03	3.176812e-03
C25	5.638489e-03	...	1.697144e-02	1.904194e-03	1.761858e-02
C26	5.680472e-05	...	9.187194e-05	1.851985e-05	1.018925e-04
C27	5.788258e-02	...	1.605557e-02	9.240691e-03	1.433453e-02
C27	3.404592e-04	...	1.474345e-03	7.528076e-05	1.680046e-03
C28_32	5.787975e-03	...	1.126559e-03	3.976611e-04	1.186166e-03
C29	3.573587e-04	...	3.860234e-03	2.672178e-03	3.949239e-03
C30	6.518638e-04	...	7.861557e-03	5.544785e-03	7.968577e-03
C31	2.510665e-02	...	1.426689e-03	1.155384e-03	1.382139e-03
E37-39	1.533666e-07	...	2.750431e-10	9.759229e-11	3.343707e-10
E37-39	1.807387e-05	...	1.228381e-06	4.697363e-07	1.379111e-06
D35	7.691445e-08	...	1.666143e-09	6.344761e-10	1.879566e-09
D35	7.560410e-10	...	4.076618e-10	1.561573e-10	4.567866e-10
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	7.265879e-07	...	1.195347e-09	4.210888e-10	1.463473e-09

D35	2.691220e-08	...	5.829798e-10	2.220018e-10	6.576558e-10
D35	4.159239e-09	...	9.009863e-11	3.431003e-11	1.016397e-10
D35	8.492414e-09	...	1.839651e-10	7.005489e-11	2.075299e-10
D35	2.742421e-13	...	1.478730e-13	5.664362e-14	1.656922e-13
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.329996e-09	...	7.171416e-10	2.747054e-10	8.035599e-10
D35	1.822362e-07	...	3.947654e-09	1.503287e-09	4.453323e-09
D35	1.880111e-07	...	4.072752e-09	1.550925e-09	4.594446e-09
D35	6.725531e-09	...	3.626446e-09	1.389132e-09	4.063447e-09
E36	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
F	4.676676e-02	...	9.580810e-03	5.179189e-03	8.713048e-03
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	2.786886e-04	...	7.585691e-05	2.748468e-04	7.386939e-05
G47	4.110473e-05	...	5.859286e-05	5.100433e-05	5.935303e-05
G46	6.366343e-03	...	5.251003e-02	4.962725e-02	5.278482e-02
G47	1.902164e-04	...	3.345087e-02	3.190349e-02	3.321399e-02
I	1.859276e-03	...	1.123828e-05	2.012296e-03	1.098186e-05
H49	2.293313e-03	...	9.511595e-03	1.789362e-06	1.260518e-02
H49	1.156914e-02	...	1.260563e-01	3.213574e-02	1.364762e-01
H49	7.844075e-06	...	3.584967e-03	2.099969e-03	3.437589e-03
H50	1.203210e-03	...	6.159142e-02	5.575300e-02	6.033205e-02
H50	1.671984e-04	...	1.663755e-06	1.700500e-04	1.606894e-06
H51	2.175236e-04	...	6.008364e-02	5.074743e-02	5.959739e-02
H52	4.819057e-03	...	1.952601e-06	2.678281e-06	1.991129e-06
H53	2.561227e-04	...	1.220214e-02	1.659689e-05	1.688833e-02
K64	8.210905e-03	...	5.057651e-05	2.758929e-05	4.451101e-05
K65	6.015755e-04	...	1.864100e-07	4.797454e-08	2.584319e-07
K66	2.088013e-06	...	2.673948e-06	1.416139e-06	2.921660e-06
L68	8.202187e-05	...	2.373869e-06	8.849536e-07	2.772707e-06
M_N	1.246663e-03	...	3.473667e-06	1.379840e-06	3.838464e-06
J62_63	2.432853e-04	...	5.709912e-05	2.652478e-05	5.602214e-05
M_N	7.969855e-05	...	1.650438e-06	8.427986e-07	1.854334e-06
M_N	1.485827e-02	...	1.313118e-04	1.222434e-05	1.377342e-04
O84	4.426120e-06	...	4.739592e-08	1.814537e-08	5.320020e-08
P85	2.214315e-06	...	3.670029e-07	1.952946e-07	4.485020e-07
M_N	4.474253e-06	...	2.023899e-06	8.823864e-07	2.136303e-06
E37-39	3.330243e-07	...	5.886028e-05	2.308732e-05	1.096778e-04
E37-39	1.425146e-07	...	6.489962e-05	2.630843e-05	1.121316e-04
E37-39	2.860597e-07	...	1.984833e-05	8.736118e-06	2.592497e-05
E37-39	1.550014e-06	...	2.975305e-05	1.012044e-05	4.741962e-05
E37-39	2.032609e-07	...	1.535525e-05	6.913123e-06	2.684074e-05
E37-39	1.046243e-07	...	2.504082e-05	1.022730e-05	4.328787e-05
E37-39	9.479904e-08	...	1.726092e-04	4.829867e-05	3.050357e-04
E37-39	1.102716e-07	...	1.244219e-07	1.078836e-11	2.005919e-07
E37-39	1.224681e-07	...	4.053713e-12	1.503641e-12	2.310690e-08

EE	E37-39	1.285887e-07	...	1.103883e-04	6.291657e-05	1.575374e-04
	E37-39	2.214783e-07	...	1.846379e-05	8.495811e-06	2.438838e-05
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.177714e-07	...	9.020216e-06	5.234475e-06	8.132950e-06
	E37-39	1.130320e-07	...	3.576747e-05	1.937023e-05	3.417361e-05
	E37-39	1.350225e-09	...	1.298727e-07	8.130906e-08	1.159337e-07
	E37-39	9.658100e-10	...	1.052763e-07	6.106234e-08	9.923595e-08
	E37-39	7.995393e-11	...	4.039550e-06	2.806613e-06	3.747691e-06
	E37-39	1.056843e-07	...	1.087074e-04	6.147031e-05	1.314557e-04
	E37-39	1.992772e-10	...	3.134820e-08	1.977700e-08	2.834473e-08
	E37-39	2.403222e-10	...	3.651124e-08	2.222990e-08	3.492992e-08
	R_S	1.721639e-06	...	1.288708e-06	4.420842e-07	1.464702e-06
	R_S	1.395461e-04	...	5.774070e-06	6.813635e-07	6.301404e-06
	R_S	3.050514e-06	...	1.977960e-06	3.121573e-07	1.811624e-06
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.707224e-06	...	5.720881e-07	1.792463e-07	6.202217e-07
	A01	4.191107e-05	...	6.214469e-02	5.005633e-02	6.174487e-02
	A01	5.560961e-06	...	1.526053e-03	1.068603e-03	1.550212e-03
	A01	2.764375e-07	...	8.794736e-10	3.172509e-11	2.007614e-09
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.605064e-08	...	1.146951e-10	3.778105e-12	2.618220e-10
	A01	1.767063e-04	...	2.525078e-05	8.274088e-06	2.732051e-05
	A01	2.545888e-09	...	7.680604e-12	9.602683e-11	1.696461e-11
	A01	4.546172e-08	...	1.436289e-10	2.326720e-10	3.265045e-10
	A01	2.377388e-08	...	7.510286e-11	1.225449e-10	1.707183e-10
	A01	3.371551e-06	...	2.380786e-07	1.551283e-07	2.483406e-07
	A01	7.119302e-06	...	4.711790e-07	3.120638e-07	4.897482e-07
	A01	8.141574e-08	...	2.539126e-10	1.159188e-09	5.726908e-10
	A01	1.768272e-11	...	3.815587e-14	3.983437e-12	6.255273e-14
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	2.660794e-05	...	4.023337e-06	1.485796e-06	4.161320e-06
	A03	3.297541e-06	...	3.056171e-06	1.308352e-06	2.943703e-06
	B_nongas	9.045705e-05	...	1.779977e-03	1.214882e-03	1.316006e-03
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	9.366786e-06	...	2.115517e-04	1.609347e-04	2.066609e-04
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	2.865727e-05	...	1.916933e-06	7.554202e-07	2.030844e-06

B_nongas	3.315261e-06	...	6.635349e-07	3.510707e-07	6.801021e-07
B_nongas	1.629220e-06	...	6.802756e-07	4.220942e-07	6.794631e-07
C10-12	1.950112e-05	...	1.101678e-06	8.265345e-07	1.110238e-06
C10-12	1.431104e-05	...	1.436404e-06	1.031659e-06	1.467357e-06
C10-12	1.342334e-06	...	1.048208e-07	8.490559e-08	1.057422e-07
C10-12	2.791662e-03	...	1.380532e-04	9.851074e-05	1.392252e-04
C10-12	3.135534e-05	...	6.779167e-05	9.177787e-07	1.172063e-04
C10-12	8.733947e-04	...	4.318846e-06	3.185553e-06	4.320373e-06
C10-12	1.788654e-06	...	9.040724e-08	6.499629e-08	9.117837e-08
C10-12	1.838692e-09	...	2.412895e-09	1.139729e-09	2.310011e-09
C10-12	1.592627e-03	...	1.128428e-04	4.831716e-05	1.219609e-04
C10-12	2.287858e-03	...	8.398515e-04	7.408317e-05	9.095298e-04
C10-12	8.429154e-05	...	7.700754e-07	6.460056e-07	7.595894e-07
C10-12	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	1.045089e-03	...	2.078635e-03	1.760526e-03	2.012968e-03
C13-15	5.014928e-05	...	7.400240e-05	6.307979e-05	7.171831e-05
C13-15	7.414606e-05	...	1.366294e-05	1.115323e-05	1.545849e-05
C16	1.333754e-03	...	6.416104e-06	8.763873e-07	1.189700e-05
C16	7.415679e-04	...	4.282805e-06	8.782686e-07	7.476168e-06
C17	2.522684e-06	...	5.104097e-04	4.671193e-04	4.994707e-04
C17	1.820628e-07	...	5.346676e-05	4.894193e-05	5.232145e-05
C17	3.618818e-04	...	2.812425e-06	3.622803e-05	2.769186e-06
C18	2.049577e-05	...	2.050025e-05	3.445259e-05	2.003894e-05
C19	2.652182e-07	...	6.331003e-07	4.506301e-07	5.033639e-07
C19	4.462856e-05	...	4.826195e-02	3.227595e-02	4.668142e-02
C24	2.410743e-09	...	5.599682e-09	4.031430e-09	4.417166e-09
C20-21	8.959807e-07	...	1.464742e-04	1.036530e-04	1.381541e-04
C20-21	4.979862e-06	...	6.994064e-04	5.761171e-04	6.788227e-04
C20-21	4.482893e-08	...	3.079880e-06	2.089450e-06	2.995084e-06
C20-21	7.921946e-06	...	6.583895e-04	4.411293e-04	6.390360e-04
C20-21	2.380128e-06	...	3.286937e-04	1.974668e-04	3.172274e-04
C22	2.175618e-04	...	1.726337e-04	2.375976e-05	2.139168e-04
C23	9.196012e-05	...	1.526477e-06	7.648887e-07	1.507843e-06
C23	3.685317e-06	...	1.491770e-07	6.810966e-08	1.494308e-07
C23	7.986041e-07	...	5.908040e-07	2.729988e-07	5.379904e-07
C23	5.443897e-07	...	8.488396e-08	4.230068e-08	8.648287e-08
C23	3.386824e-05	...	4.703820e-06	1.807322e-06	4.925134e-06
C23	1.944912e-05	...	2.564043e-06	1.105939e-06	2.670239e-06
C23	1.081970e-05	...	1.067642e-06	7.685725e-07	1.086236e-06
C24	7.791822e-07	...	1.424397e-03	8.902184e-04	1.393544e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.527060e-06	...	1.488376e-07	2.805331e-08	1.549921e-07
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.871731e-07	...	3.675374e-07	6.318978e-08	3.944447e-07
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.176136e-07	...	1.023489e-07	1.908802e-08	1.065755e-07
C24	8.190045e-06	...	4.079519e-08	7.671355e-09	4.248183e-08
C24	4.150478e-06	...	2.310239e-07	4.327713e-08	3.770701e-07

C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.633578e-07	...	2.866318e-07	5.310077e-08	2.984591e-07
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.205260e-08	...	4.684038e-08	8.726421e-09	4.877439e-08
C25_33	3.623958e-04	...	8.266815e-05	3.778042e-05	8.043006e-05
C25	5.560177e-05	...	3.216708e-04	4.915159e-05	3.337062e-04
C26	2.252241e-05	...	3.267085e-06	1.304218e-06	4.873821e-06
C27	9.703536e-04	...	6.135150e-03	3.553852e-03	5.467124e-03
C27	1.148715e-04	...	2.226473e-03	4.034254e-04	2.400020e-03
C28_32	1.277184e-04	...	2.555933e-05	1.164976e-05	2.498417e-05
C29	1.395073e-05	...	3.362372e-04	2.357392e-04	3.410667e-04
C30	1.052383e-06	...	2.880777e-03	2.045495e-03	2.918813e-03
C31	1.761745e-03	...	3.014333e-05	2.046286e-05	2.876908e-05
E37-39	6.759174e-06	...	5.989721e-07	2.491574e-07	6.946292e-07
E37-39	2.026224e-05	...	1.138188e-05	3.871294e-07	1.454562e-05
D35	2.855609e-05	...	1.202273e-05	7.306353e-06	1.067931e-05
D35	6.123148e-07	...	2.546022e-07	1.569752e-07	2.270220e-07
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.748404e-08	...	1.757932e-08	1.033609e-08	1.576066e-08
D35	1.621944e-07	...	6.355231e-08	3.867787e-08	5.574914e-08
D35	5.504668e-08	...	1.952270e-08	1.175226e-08	1.749341e-08
D35	4.225245e-08	...	1.757040e-08	1.113248e-08	1.593766e-08
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.297176e-07	...	2.192441e-07	1.324222e-07	1.953337e-07
D35	1.178346e-05	...	5.056278e-06	3.112045e-06	4.499612e-06
D35	8.456668e-06	...	3.656535e-06	2.244686e-06	3.256068e-06
D35	5.193078e-06	...	2.281720e-06	1.411147e-06	2.034557e-06
D35	3.114690e-05	...	1.720940e-05	1.097326e-05	1.560666e-05
E36	4.055635e-06	...	2.036770e-07	1.253276e-07	1.981008e-07
F	1.682401e-04	...	1.417549e-03	1.109014e-03	1.384594e-03
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.487122e-04	...	3.893140e-06	2.142166e-06	4.366476e-06
G47	2.475225e-05	...	1.037467e-05	8.850136e-06	1.055396e-05
G46	1.757496e-03	...	1.192983e-03	2.531690e-04	1.359516e-03
G47	3.094691e-04	...	1.246964e-04	1.110567e-04	1.237207e-04
I	1.387200e-04	...	2.703715e-06	3.967558e-05	2.730421e-06
H49	1.673564e-03	...	1.042325e-04	7.194470e-07	1.378844e-04
H49	4.361294e-03	...	4.384079e-04	1.135725e-04	4.744042e-04
H49	1.044975e-05	...	4.213066e-05	2.471254e-05	4.041167e-05
H50	2.018799e-03	...	3.151280e-04	2.859788e-04	3.086259e-04
H50	3.583713e-05	...	1.133063e-06	1.603244e-06	1.124724e-06
H51	7.379882e-05	...	2.270508e-03	1.917702e-03	2.252134e-03
H52	5.005383e-03	...	8.370702e-06	4.148094e-06	8.857819e-06
H53	8.991802e-05	...	1.516760e-03	8.676740e-07	2.106450e-03
K64	1.539448e-04	...	9.179321e-08	4.866539e-08	8.516428e-08

	K65	2.794188e-06	...	1.839884e-09	6.791281e-10	2.115892e-09
	K66	2.319239e-05	...	6.262066e-07	5.862787e-07	6.243554e-07
	L68	1.040123e-04	...	2.416557e-06	1.460485e-06	2.572902e-06
	M_N	2.600683e-03	...	1.165916e-05	4.907197e-06	1.163476e-05
	J62_63	3.850059e-05	...	2.855453e-05	1.631299e-05	2.618562e-05
	M_N	2.358227e-06	...	3.602154e-07	1.244916e-07	3.930028e-07
	M_N	3.367231e-03	...	5.735547e-06	2.703297e-06	6.301921e-06
	O84	1.787225e-05	...	1.568732e-06	5.658976e-08	2.149578e-06
	P85	3.611580e-06	...	6.763671e-06	5.920649e-06	6.709946e-06
	M_N	8.814855e-06	...	3.676731e-07	2.072787e-07	3.559138e-07
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	2.262219e-08	...	1.414859e-08	9.970600e-09	1.624960e-08
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	3.017381e-07	...	9.450175e-08	3.976390e-08	1.617916e-07
	E37-39	5.578538e-07	...	6.065542e-07	1.786541e-07	1.061677e-06
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	3.873340e-07	...	2.309574e-07	1.352942e-07	3.254902e-07
	E37-39	2.954389e-06	...	7.989879e-07	3.852757e-07	1.043887e-06
	E37-39	5.103990e-09	...	1.639000e-06	1.190715e-06	1.887660e-06
	E37-39	6.771122e-07	...	1.507919e-07	9.272386e-08	1.374408e-07
	E37-39	1.212286e-06	...	2.784389e-07	1.623069e-07	2.674518e-07
	E37-39	1.603389e-06	...	3.257683e-07	2.159918e-07	2.950472e-07
	E37-39	1.108457e-06	...	2.346039e-07	1.458886e-07	2.228243e-07
	E37-39	7.319599e-07	...	1.107456e-04	7.694500e-05	1.027444e-04
	E37-39	1.151669e-06	...	7.984280e-07	4.596352e-07	9.611283e-07
	E37-39	2.794632e-07	...	1.470992e-07	9.446267e-08	1.335383e-07
	E37-39	3.317239e-07	...	1.712936e-07	1.064877e-07	1.641907e-07
	R_S	4.000122e-06	...	1.467082e-07	1.370371e-07	1.463714e-07
	R_S	1.876453e-05	...	4.652360e-07	4.895414e-07	5.163930e-07
	R_S	7.598301e-06	...	7.771980e-07	7.321229e-07	7.716844e-07
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
ES	A01	9.180165e-05	...	2.146900e-12	5.924263e-13	2.498157e-12
	A01	9.423428e-04	...	7.186531e-04	3.525604e-04	7.552056e-04
	A01	6.106243e-03	...	5.189586e-03	3.658600e-03	5.252104e-03
	A01	1.752498e-02	...	1.093954e-01	7.687787e-02	1.110967e-01
	A01	8.495743e-07	...	3.190051e-03	1.833070e-03	3.291555e-03
	A01	9.836079e-08	...	1.458917e-11	7.740508e-12	1.684802e-11
	A01	6.580637e-08	...	5.857412e-10	3.399399e-10	1.028959e-11
	A01	1.011886e-01	...	5.577912e-02	1.746976e-02	6.046944e-02
	A01	5.990170e-04	...	9.262154e-04	2.348701e-08	1.092531e-03
	A01	1.069185e-03	...	2.225386e-03	4.199609e-08	2.624986e-03
	A01	8.608683e-04	...	1.834275e-03	3.374586e-08	2.163646e-03
	A01	1.295194e-04	...	1.115245e-03	7.876428e-06	1.313780e-03
	A01	2.387047e-05	...	4.562243e-05	2.490594e-06	5.330662e-05

A01	8.162995e-04	...	3.593965e-03	3.203037e-08	4.239313e-03
A01	1.400525e-10	...	7.229793e-13	3.633002e-14	9.037846e-13
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A02	2.863372e-02	...	1.601393e-02	5.098577e-03	1.733724e-02
A03	2.795246e-03	...	6.876124e-04	2.307826e-04	7.352033e-04
B_nongas	1.015113e-05	...	1.052252e-03	7.492287e-04	1.119644e-03
B_nongas	1.779447e-06	...	5.870341e-05	4.752732e-05	5.813510e-05
B_gas	1.753697e-07	...	5.980149e-06	4.835803e-06	5.919027e-06
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	7.292019e-06	...	2.141831e-04	1.721129e-04	2.117511e-04
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.263693e-06	...	6.301739e-05	4.678121e-05	6.149245e-05
B_nongas	1.022189e-07	...	4.082911e-06	2.819129e-06	3.988967e-06
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.281832e-07	...	5.135969e-06	3.551059e-06	5.017934e-06
B_nongas	3.512607e-04	...	9.421153e-05	9.001509e-05	9.175917e-05
B_nongas	2.162060e-05	...	1.319174e-04	1.257773e-04	1.283282e-04
B_nongas	5.511279e-03	...	3.039321e-01	2.095698e-01	2.969067e-01
C10-12	8.556933e-03	...	6.486730e-03	4.648876e-03	6.538828e-03
C10-12	9.304832e-03	...	7.105464e-03	5.106881e-03	7.159791e-03
C10-12	1.005376e-03	...	1.022531e-03	7.004689e-04	1.153979e-03
C10-12	1.779382e-03	...	1.451806e-03	1.065445e-03	1.459715e-03
C10-12	3.122304e-02	...	1.880600e-02	6.069709e-03	2.655091e-02
C10-12	4.548030e-03	...	9.152479e-04	7.741976e-04	9.051050e-04
C10-12	4.000613e-03	...	3.005750e-03	2.147351e-03	3.086927e-03
C10-12	4.230754e-03	...	3.525871e-03	2.283295e-03	3.607183e-03
C10-12	2.898419e-01	...	2.154267e-01	1.497522e-01	2.184348e-01
C10-12	1.333154e-01	...	9.704705e-02	6.220000e-02	9.870663e-02
C10-12	1.211925e-01	...	5.981771e-04	5.762482e-04	5.810596e-04
C10-12	1.058458e-04	...	5.390016e-04	6.569473e-05	5.523897e-04
C13-15	6.382842e-03	...	2.073807e-01	1.757926e-01	2.008960e-01
C13-15	7.721468e-04	...	2.296831e-03	2.648083e-03	2.286533e-03
C13-15	2.771229e-02	...	2.101949e-04	1.056308e-04	4.848764e-03
C16	1.606652e-03	...	7.207387e-04	5.522839e-04	7.470113e-04
C16	5.558053e-04	...	2.608057e-04	2.039530e-04	2.718334e-04
C17	5.180765e-06	...	4.174662e-03	3.814508e-03	4.087549e-03
C17	1.679656e-05	...	1.734804e-02	1.586308e-02	1.698323e-02
C17	5.480448e-03	...	1.149228e-03	1.039112e-03	1.226688e-03
C18	7.850911e-04	...	3.052628e-03	1.329426e-03	3.292876e-03
C19	1.346578e-06	...	1.640577e-04	8.700536e-05	2.331536e-04
C19	3.809329e-03	...	4.315036e-01	3.553268e-01	4.287625e-01
C24	2.733022e-05	...	5.993247e-04	1.302375e-04	6.302112e-04
C20-21	2.024182e-03	...	3.381600e-01	3.251285e-01	3.291362e-01
C20-21	3.665122e-04	...	6.876725e-02	6.633408e-02	6.688402e-02
C20-21	9.287382e-07	...	2.421335e-06	1.617429e-06	2.604196e-06

C20-21	1.127464e-05	...	2.996666e-05	1.875071e-05	3.556190e-05
C20-21	2.542074e-04	...	6.247829e-03	3.484180e-03	6.037244e-03
C22	1.884878e-02	...	1.762649e-02	6.465305e-03	2.013505e-02
C23	2.088947e-03	...	6.337627e-04	5.114695e-04	6.077435e-04
C23	1.007032e-03	...	3.324346e-04	2.650092e-04	3.202936e-04
C23	5.561095e-04	...	2.135344e-03	1.554325e-03	2.009998e-03
C23	5.157346e-05	...	4.956492e-04	3.819762e-04	4.937765e-04
C23	8.652939e-04	...	6.322818e-03	5.004549e-03	6.062068e-03
C23	5.597010e-04	...	3.799992e-03	3.092873e-03	3.621767e-03
C23	8.006080e-04	...	1.400217e-03	2.044774e-03	1.354322e-03
C24	1.840862e-04	...	4.563011e-02	2.875884e-02	4.462635e-02
C24	5.642736e-04	...	1.234569e-01	7.765422e-02	1.207375e-01
C24	6.030020e-06	...	1.165980e-04	5.658012e-05	1.207243e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.958158e-05	...	8.985805e-04	6.711849e-04	8.773698e-04
C24	5.287606e-05	...	5.098143e-04	3.833206e-04	4.966142e-04
C24	3.599758e-05	...	1.970515e-01	3.573924e-02	2.195666e-01
C24	1.050027e-05	...	6.489887e-02	1.177856e-02	7.231219e-02
C24	1.024851e-04	...	1.021046e-03	7.703381e-04	1.829523e-02
C24	5.167101e-12	...	4.208257e-10	3.549564e-10	8.288012e-07
C24	3.131108e-06	...	3.500322e-05	2.433848e-05	3.684243e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.966102e-05	...	9.618784e-04	7.232962e-04	9.370876e-04
C25_33	1.745938e-02	...	6.447329e-02	2.956282e-02	6.512340e-02
C25	2.455391e-02	...	1.284743e-01	4.536762e-02	1.245029e-01
C26	4.181712e-04	...	4.524309e-05	1.328580e-05	6.640616e-05
C27	9.377913e-02	...	2.787124e-01	1.623859e-01	2.481670e-01
C27	2.150425e-04	...	6.270606e-03	2.022878e-03	6.764274e-03
C28_32	2.089073e-03	...	2.104256e-03	8.115914e-04	2.136883e-03
C29	2.696300e-03	...	1.634042e-01	1.145394e-01	1.669296e-01
C30	1.710965e-03	...	2.167028e-01	1.533915e-01	2.192377e-01
C31	1.797785e-02	...	1.000141e-02	6.281283e-03	1.002861e-02
E37-39	3.743511e-06	...	7.856651e-09	4.057805e-09	8.831137e-09
E37-39	1.476553e-05	...	5.320931e-05	5.028887e-05	5.348763e-05
D35	1.314901e-04	...	5.088080e-04	2.391643e-04	4.882985e-04
D35	3.337668e-04	...	1.232855e-03	6.182946e-04	1.164069e-03
D35	8.129260e-05	...	3.210441e-04	1.513975e-04	3.082621e-04
D35	3.398600e-05	...	1.387682e-04	6.451837e-05	1.336269e-04
D35	3.327791e-05	...	1.317066e-04	6.095194e-05	1.263983e-04
D35	5.851837e-05	...	2.280587e-04	1.072065e-04	2.188162e-04
D35	4.470325e-06	...	1.741307e-05	8.108162e-06	1.670822e-05
D35	6.006163e-07	...	2.369501e-06	1.085879e-06	2.276404e-06
D35	9.438978e-09	...	3.558567e-08	1.688965e-08	3.389346e-08
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.224309e-06	...	8.868807e-06	4.181257e-06	8.523062e-06
D35	3.012099e-05	...	1.189738e-04	5.595402e-05	1.142701e-04
D35	8.718115e-04	...	2.971363e-03	1.525764e-03	2.766906e-03

D35	5.500088e-04	...	1.919950e-03	9.759673e-04	1.797758e-03
D35	6.620945e-06	...	2.690534e-05	1.277213e-05	2.588300e-05
E36	2.148644e-05	...	2.160743e-05	1.508144e-05	2.074145e-05
F	1.212785e-03	...	1.925196e-03	9.046873e-04	1.957252e-03
F	2.353331e-06	...	7.942084e-06	4.469187e-06	7.989158e-06
G45	1.137768e-04	...	1.144497e-04	9.969040e-05	1.110633e-04
G47	5.600253e-05	...	1.436247e-04	1.199477e-04	1.454335e-04
G46	4.540551e-02	...	3.688472e-02	1.765105e-02	3.835003e-02
G47	4.460055e-02	...	3.371900e-02	2.330933e-02	3.442069e-02
I	1.303584e-02	...	9.431240e-05	1.380307e-02	9.780931e-05
H49	4.925263e-03	...	3.033490e-02	4.248420e-05	4.018259e-02
H49	2.509745e-02	...	3.918885e-01	1.002572e-01	4.242164e-01
H49	7.277857e-05	...	5.268977e-03	3.089076e-03	5.053459e-03
H50	4.961209e-04	...	9.159360e-03	8.314007e-03	8.970450e-03
H50	8.831011e-05	...	5.315130e-08	3.423471e-06	5.159094e-08
H51	3.229722e-03	...	1.647140e-01	1.377551e-01	1.628803e-01
H52	1.616729e-02	...	5.030337e-04	1.493197e-04	5.453762e-04
H53	6.757329e-04	...	3.683069e-03	3.518335e-04	4.700492e-03
K64	5.674847e-03	...	5.438128e-06	2.997741e-06	4.804865e-06
K65	4.738797e-04	...	1.896215e-08	2.348147e-08	2.711276e-08
K66	4.050393e-06	...	9.056476e-07	4.977353e-07	9.870462e-07
L68	1.462314e-04	...	2.752256e-07	1.283980e-07	3.319212e-07
M_N	1.006365e-03	...	2.076574e-04	3.253995e-05	2.204768e-04
J62_63	2.347279e-04	...	2.929606e-05	1.471183e-05	4.053944e-05
M_N	2.122752e-06	...	2.184827e-06	1.154186e-06	2.453857e-06
M_N	7.360991e-03	...	1.633726e-04	6.179824e-05	1.761444e-04
O84	1.505289e-02	...	1.052112e-02	3.392701e-03	1.136762e-02
P85	8.222414e-05	...	1.737334e-04	8.750743e-05	1.893863e-04
M_N	1.895817e-05	...	2.305338e-04	2.225238e-04	2.240175e-04
E37-39	2.810634e-07	...	3.340501e-07	1.311100e-07	6.224252e-07
E37-39	3.048258e-07	...	4.092279e-07	1.659545e-07	7.070294e-07
E37-39	3.372028e-07	...	3.409268e-07	1.500712e-07	4.453007e-07
E37-39	9.806793e-06	...	1.340448e-06	4.560317e-07	2.136346e-06
E37-39	9.389035e-08	...	1.293920e-07	5.826589e-08	2.261713e-07
E37-39	5.790279e-08	...	2.062437e-07	8.425192e-08	3.565266e-07
E37-39	2.548038e-07	...	4.384528e-06	1.226976e-06	7.748317e-06
E37-39	3.494669e-06	...	4.864293e-08	4.039321e-10	7.821002e-08
E37-39	4.835275e-07	...	5.688047e-11	5.210459e-11	1.628559e-08
E37-39	1.005611e-06	...	2.218144e-06	1.264359e-06	3.165511e-06
E37-39	1.477708e-06	...	8.067032e-06	3.712103e-06	1.065552e-05
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	3.189815e-07	...	8.186543e-07	4.751808e-07	7.381332e-07
E37-39	4.156406e-07	...	2.552185e-06	1.382383e-06	2.438462e-06
E37-39	6.444451e-07	...	3.102959e-06	1.943060e-06	2.769919e-06
E37-39	7.251086e-07	...	2.622674e-06	1.521494e-06	2.472196e-06
E37-39	3.308365e-07	...	3.863893e-04	2.684570e-04	3.584725e-04
E37-39	9.090282e-07	...	9.197938e-06	5.201549e-06	1.112269e-05
E37-39	2.117098e-07	...	4.270497e-07	2.694688e-07	3.861357e-07

	E37-39	2.800874e-07	...	7.027687e-07	4.279555e-07	6.723316e-07
	R_S	2.384378e-05	...	5.460816e-06	5.327900e-06	5.466749e-06
	R_S	3.050427e-04	...	4.408639e-06	6.025414e-06	4.736792e-06
	R_S	4.097183e-05	...	1.721791e-04	1.125309e-04	1.694397e-04
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
FI	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	7.051545e-05	...	2.925031e-06	1.249979e-07	3.197838e-06
	A01	8.025376e-04	...	1.245777e-03	9.953579e-04	1.238871e-03
	A01	6.073184e-06	...	4.320997e-06	7.410690e-08	4.727745e-06
	A01	1.212808e-07	...	6.269548e-07	1.075254e-08	6.859719e-07
	A01	9.810416e-08	...	5.071444e-07	8.697737e-09	5.548833e-07
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	9.789343e-03	...	3.884371e-05	1.120162e-05	4.216831e-05
	A01	7.286958e-07	...	7.836757e-06	6.462329e-08	8.922142e-06
	A01	1.080337e-06	...	7.891928e-06	9.579317e-08	8.831924e-06
	A01	5.774242e-07	...	4.078543e-06	5.119929e-08	4.555893e-06
	A01	5.441362e-05	...	5.100424e-07	9.085599e-07	7.873059e-07
	A01	6.977780e-06	...	4.208810e-08	7.575901e-08	6.210257e-08
	A01	2.781668e-06	...	2.078750e-05	2.466899e-07	2.329171e-05
	A01	4.855598e-10	...	5.505604e-11	3.928391e-11	5.552392e-11
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	1.732890e-07	...	8.645383e-06	3.209622e-07	1.082719e-05
	A03	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	7.976249e-04	...	3.077316e-04	2.838149e-05	2.916035e-04
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	9.671737e-06	...	5.176475e-04	1.908364e-04	5.511684e-04
	B_nongas	1.883928e-07	...	1.079476e-05	3.975855e-06	1.149456e-05
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	4.417486e-07	...	1.958540e-05	7.233708e-06	2.083929e-05
	B_nongas	1.963063e-07	...	1.110483e-05	4.092115e-06	1.182484e-05
	B_nongas	3.931201e-07	...	2.244537e-05	8.277027e-06	2.390069e-05
	B_nongas	3.946866e-10	...	5.979829e-09	3.746329e-09	5.886233e-09
	B_nongas	2.101232e-05	...	6.242014e-04	2.191202e-04	6.660518e-04
	B_nongas	6.144581e-04	...	6.882293e-03	4.650055e-03	6.748466e-03
	C10-12	2.696021e-04	...	4.107709e-05	3.181184e-05	4.132637e-05
	C10-12	7.580958e-04	...	9.291995e-05	6.709927e-05	9.366409e-05
	C10-12	1.245574e-05	...	1.172103e-05	1.003714e-05	1.180604e-05
	C10-12	5.481521e-03	...	6.210244e-04	4.431004e-04	6.263120e-04
	C10-12	7.727665e-04	...	1.071634e-04	6.383673e-05	1.214520e-04
	C10-12	1.419402e-03	...	9.496778e-05	7.125144e-05	9.602817e-05
	C10-12	1.290053e-11	...	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	7.913740e-04	...	3.881315e-04	8.213220e-05	4.342768e-04

C10-12	1.677773e-02	...	4.362530e-03	1.396649e-03	4.612472e-03
C10-12	4.300337e-03	...	5.548831e-03	3.566438e-04	6.025308e-03
C10-12	3.001043e-04	...	5.933252e-05	4.783776e-05	5.992231e-05
C10-12	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	5.973685e-04	...	6.270084e-03	5.309298e-03	6.074779e-03
C13-15	1.070229e-04	...	1.426232e-04	1.250033e-04	1.393141e-04
C13-15	3.463972e-03	...	2.375497e-05	2.061484e-05	6.777087e-05
C16	7.251824e-03	...	2.481935e-04	3.054222e-05	5.079513e-04
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.521547e-04	...	6.399647e-01	5.859718e-01	6.262582e-01
C17	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.059200e-02	...	1.052998e-03	1.239625e-03	1.052438e-03
C18	3.040196e-04	...	2.750913e-03	2.575506e-03	2.698729e-03
C19	1.533842e-06	...	1.613509e-05	1.495359e-05	1.582629e-05
C19	6.092524e-04	...	3.464836e-03	2.841026e-03	3.434786e-03
C24	3.576147e-08	...	3.808225e-05	3.180011e-07	3.725397e-05
C20-21	4.018656e-04	...	3.548320e-02	3.427710e-02	3.449392e-02
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	3.660162e-07	...	1.392251e-06	1.140702e-06	1.384831e-06
C20-21	1.539550e-03	...	3.132893e-05	2.565955e-05	3.116602e-05
C20-21	4.605377e-05	...	6.014232e-04	3.516435e-04	5.826285e-04
C22	4.294539e-03	...	3.506139e-03	2.658486e-03	3.592323e-03
C23	4.169229e-04	...	1.935291e-04	1.339019e-04	1.895306e-04
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	6.882144e-06	...	3.218270e-05	2.238107e-05	3.141272e-05
C23	1.741251e-06	...	9.636387e-06	6.877995e-06	9.469462e-06
C23	6.531203e-05	...	3.603394e-04	2.518576e-04	3.530620e-04
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.468137e-04	...	1.829947e-04	1.645026e-04	1.796629e-04
C24	1.006560e-04	...	1.224031e-02	7.976881e-03	1.197451e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.668509e-07	...	1.214094e-05	1.133058e-05	1.186883e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.054304e-06	...	6.388225e-05	5.946049e-05	6.250250e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.334101e-05	...	3.182978e-02	5.870841e-03	3.544986e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.173985e-05	...	3.765058e-05	1.631868e-05	4.941870e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.017368e-05	...	3.057809e-05	1.406155e-05	3.215530e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.079310e-06	...	1.114357e-04	1.039974e-04	1.089452e-04
C25_33	2.423162e-03	...	2.981217e-03	1.305570e-03	2.951251e-03
C25	1.822991e-02	...	3.463496e-02	1.315608e-02	3.314740e-02
C26	8.530271e-05	...	6.628192e-06	1.899147e-06	1.042682e-05
C27	3.395520e-02	...	3.879250e-02	2.264063e-02	3.451286e-02
C27	1.718923e-03	...	4.193702e-03	6.815946e-04	4.559595e-03
C28_32	2.126626e-03	...	5.539616e-04	3.477030e-04	5.473086e-04

C29	4.395750e-04	...	2.364529e-03	1.306674e-03	2.368841e-03
C30	1.444604e-03	...	7.215805e-03	4.934009e-03	7.168969e-03
C31	1.436977e-03	...	4.647904e-04	3.330978e-04	4.586027e-04
E37-39	9.290881e-06	...	7.851358e-05	2.380032e-05	8.510395e-05
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.384692e-05	...	5.367658e-06	2.561565e-08	6.233051e-06
D35	4.861354e-05	...	4.550560e-05	2.073322e-05	4.314614e-05
D35	5.491386e-05	...	3.621188e-05	1.664437e-05	3.426835e-05
D35	3.430033e-05	...	2.456476e-05	1.101257e-05	2.337667e-05
D35	9.581434e-07	...	9.636041e-07	5.128888e-07	8.787163e-07
D35	1.112034e-06	...	9.174936e-07	4.193948e-07	8.692162e-07
D35	2.624441e-05	...	2.069417e-05	1.136675e-05	1.870751e-05
D35	7.692588e-08	...	8.760087e-08	4.976621e-08	7.841092e-08
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.469850e-06	...	2.121908e-06	1.082685e-06	1.957475e-06
D35	2.865301e-05	...	2.598298e-05	1.394665e-05	2.364282e-05
D35	1.368443e-04	...	1.102489e-04	5.939117e-05	1.002147e-04
D35	6.351898e-07	...	5.715707e-07	2.580049e-07	5.430527e-07
D35	5.426064e-05	...	4.952546e-05	1.893922e-05	4.867951e-05
E36	3.009614e-05	...	1.056151e-08	5.697978e-09	1.076101e-08
F	5.109252e-04	...	3.976203e-04	1.510727e-04	4.026509e-04
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	8.435936e-05	...	2.566390e-05	8.273827e-05	2.508369e-05
G47	4.482679e-05	...	1.647201e-04	1.436515e-04	1.668309e-04
G46	1.902731e-03	...	1.356381e-02	1.280556e-02	1.363704e-02
G47	1.295359e-03	...	1.267675e-02	1.156186e-02	1.248213e-02
I	7.056659e-04	...	5.800651e-06	3.886276e-04	5.579599e-06
H49	2.402888e-03	...	6.446290e-03	1.931490e-06	8.542693e-03
H49	9.939605e-03	...	1.716663e-02	4.377552e-03	1.858551e-02
H49	1.202292e-05	...	4.164118e-04	2.439872e-04	3.992975e-04
H50	1.119765e-03	...	1.719085e-03	1.433214e-03	1.709950e-03
H50	1.763184e-05	...	1.504074e-05	9.561436e-06	1.572840e-05
H51	1.269591e-04	...	1.155453e-02	9.759309e-03	1.146104e-02
H52	5.294786e-03	...	2.592288e-05	1.996171e-05	2.526870e-05
H53	5.464870e-04	...	1.896595e-03	5.809686e-05	2.580780e-03
K64	5.093926e-03	...	3.984510e-06	2.177113e-06	3.501040e-06
K65	1.794123e-04	...	2.187389e-08	6.414758e-09	2.884966e-08
K66	6.847297e-07	...	3.470664e-07	1.886941e-07	3.782894e-07
L68	3.820171e-05	...	4.792523e-06	3.169574e-06	4.672492e-06
M_N	9.150885e-04	...	4.350377e-05	2.133614e-05	4.054166e-05
J62_63	3.547524e-04	...	2.396508e-04	1.452198e-04	2.236279e-04
M_N	6.251108e-05	...	1.171429e-05	5.758127e-06	1.106028e-05
M_N	9.100184e-03	...	1.337917e-04	1.022480e-04	1.248221e-04
O84	1.522040e-04	...	5.932947e-08	6.688884e-06	6.111106e-08
P85	3.711599e-06	...	9.879132e-08	9.385440e-08	1.198205e-07
M_N	8.958563e-06	...	7.230170e-06	5.941168e-06	7.122519e-06

E37-39	4.776562e-07	...	2.825142e-07	1.050454e-07	5.179686e-07
E37-39	6.032016e-07	...	3.434292e-07	1.348568e-07	5.886427e-07
E37-39	1.755349e-06	...	2.705353e-07	1.186396e-07	3.533440e-07
E37-39	2.322770e-04	...	2.106261e-05	6.995222e-06	3.341727e-05
E37-39	1.672881e-07	...	1.363485e-07	6.052162e-08	2.374537e-07
E37-39	2.659381e-07	...	6.363174e-07	2.552508e-07	1.095000e-06
E37-39	2.376142e-06	...	3.102382e-05	8.622862e-06	5.472597e-05
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.272537e-07	...	6.069649e-06	3.456761e-06	8.661478e-06
E37-39	3.590633e-06	...	2.229949e-06	1.016610e-06	2.944837e-06
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	4.325448e-07	...	6.824624e-07	3.828983e-07	6.241220e-07
E37-39	6.433920e-07	...	2.167669e-06	1.149275e-06	2.086294e-06
E37-39	2.137209e-06	...	4.664334e-06	2.796447e-06	4.242204e-06
E37-39	2.082587e-06	...	3.741269e-06	2.055601e-06	3.595088e-06
E37-39	6.061294e-07	...	7.143390e-04	4.962944e-04	6.627363e-04
E37-39	5.537221e-06	...	2.298000e-05	1.266663e-05	2.783534e-05
E37-39	2.825948e-07	...	6.294123e-07	3.893000e-07	5.738656e-07
E37-39	3.886586e-07	...	1.163648e-06	7.012354e-07	1.117216e-06
R_S	3.392864e-06	...	2.041330e-07	1.266522e-06	2.310378e-07
R_S	1.829057e-04	...	9.153142e-05	4.670155e-05	8.536518e-05
R_S	9.517338e-06	...	7.343899e-07	1.161181e-07	6.726413e-07
T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
FR A01	7.954277e-05	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	1.390725e-02	...	2.575637e-01	2.037351e-01	2.561662e-01
A01	1.208593e-01	...	3.456167e-01	2.781759e-01	3.434320e-01
A01	7.350141e-02	...	1.728801e-01	6.225794e-02	1.821364e-01
A01	0.000000e+00	...	5.196140e-03	2.985812e-03	5.361476e-03
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	1.903845e-09	1.105919e-09	0.000000e+00
A01	2.384705e-01	...	2.970312e-02	8.305832e-03	3.215171e-02
A01	1.181549e-02	...	2.695862e-03	2.228656e-08	3.179942e-03
A01	7.636512e-04	...	5.280565e-04	1.440364e-09	6.228766e-04
A01	1.022572e-03	...	5.286948e-04	1.928752e-09	6.236295e-04
A01	1.798727e-02	...	4.496274e-03	5.865110e-04	5.163047e-03
A01	5.839145e-04	...	1.216803e-04	3.412363e-05	1.353491e-04
A01	4.951734e-03	...	1.365849e-03	9.340006e-09	1.611107e-03
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A02	4.596668e-06	...	2.495144e-06	9.216251e-08	3.125365e-06
A03	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	7.856965e-04	6.222311e-04	8.314301e-04
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	5.595357e-04	...	7.493238e-08	0.000000e+00	1.027685e-07
B_nongas	4.416982e-05	...	2.845352e-08	0.000000e+00	3.416058e-08
B_nongas	3.235660e-02	...	6.940388e-02	4.786450e-02	6.780069e-02
C10-12	1.730495e-02	...	5.807689e-03	4.144134e-03	5.857049e-03
C10-12	4.090004e-02	...	1.372638e-02	9.794085e-03	1.384302e-02
C10-12	1.998938e-03	...	1.709444e-02	4.790579e-04	3.835389e-02
C10-12	4.354179e-03	...	1.461345e-03	1.042696e-03	1.473749e-03
C10-12	1.603991e-02	...	5.176813e-03	3.343959e-03	5.580867e-03
C10-12	1.227676e-01	...	4.979261e-03	3.553709e-03	5.021323e-03
C10-12	1.023057e-03	...	3.433677e-04	2.450001e-04	3.710596e-04
C10-12	4.849139e-02	...	1.593510e-01	1.448101e-02	1.824494e-01
C10-12	7.107236e-01	...	3.009230e-01	1.584408e-01	3.180806e-01
C10-12	4.057179e-01	...	2.465124e-01	6.594312e-02	2.617012e-01
C10-12	2.430673e-01	...	8.333440e-08	1.220126e-06	8.878518e-08
C10-12	1.245023e-05	...	3.628909e-03	4.298026e-04	3.719931e-03
C13-15	1.231397e-02	...	1.721010e-01	1.457725e-01	1.666588e-01
C13-15	2.998781e-04	...	1.074963e-05	4.244844e-04	1.359137e-05
C13-15	3.047323e-03	...	2.769518e-06	1.040952e-06	6.970671e-03
C16	2.602780e-03	...	1.005248e-05	3.311327e-07	2.294743e-05
C16	1.602241e-03	...	6.188187e-06	2.038415e-07	1.412617e-05
C17	0.000000e+00	...	8.076182e-03	7.395023e-03	7.903142e-03
C17	0.000000e+00	...	1.255366e-02	1.149487e-02	1.228469e-02
C17	2.584770e-02	...	1.415213e-05	2.790804e-04	1.395600e-05
C18	1.053668e-04	...	9.639777e-06	2.210928e-04	8.463813e-06
C19	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C19	3.136194e-02	...	3.971633e-01	3.231522e-01	3.939944e-01
C24	0.000000e+00	...	1.007560e-02	0.000000e+00	9.856225e-03
C20-21	0.000000e+00	...	3.358786e-01	3.256132e-01	3.264070e-01
C20-21	0.000000e+00	...	1.692064e-02	1.640350e-02	1.644349e-02
C20-21	0.000000e+00	...	4.685378e-07	3.198257e-07	8.271798e-07
C20-21	1.572998e-01	...	5.328977e-07	2.120592e-07	1.498099e-06
C20-21	5.481176e-03	...	2.116599e-02	1.121629e-02	2.034574e-02
C22	7.306716e-02	...	1.992958e-02	1.730965e-05	2.569584e-02
C23	9.418786e-03	...	9.222155e-05	3.330504e-05	8.523125e-05
C23	4.121623e-03	...	4.035578e-05	1.457415e-05	3.729685e-05
C23	1.648049e-04	...	4.643719e-05	2.074079e-05	4.139217e-05
C23	1.464404e-06	...	5.400445e-06	2.971785e-07	7.758611e-06
C23	4.792895e-06	...	2.977145e-05	1.236308e-05	3.225616e-05
C23	1.052513e-06	...	6.537771e-06	2.714915e-06	7.083409e-06
C23	4.560570e-03	...	3.486656e-06	1.859089e-04	4.000494e-06

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	H49	3.347725e-02	...	2.506459e-01	4.673924e-05	3.321680e-01
	H49	8.323652e-02	...	7.697853e-01	1.962438e-01	8.334164e-01
	H49	1.570785e-04	...	3.266051e-02	1.913254e-02	3.131765e-02
	H50	1.696856e-03	...	2.969099e-01	2.694459e-01	2.907837e-01
	H50	3.598725e-04	...	1.709495e-07	4.826772e-05	1.407953e-07
	H51	1.873876e-03	...	1.189586e+00	1.004740e+00	1.179959e+00
	H52	5.447398e-02	...	1.250060e-05	1.800056e-05	1.265110e-05
	H53	2.130900e-03	...	1.136952e-01	1.059545e-05	1.579489e-01
	K64	6.314185e-02	...	2.300111e-04	1.258001e-04	2.019165e-04
	K65	2.676792e-03	...	3.726346e-07	0.000000e+00	7.194484e-07
	K66	1.103487e-05	...	3.024492e-05	1.644920e-05	3.296478e-05
	L68	4.439112e-04	...	9.445021e-06	4.403158e-06	1.140326e-05
	M_N	8.231661e-03	...	1.742584e-06	6.137713e-07	2.133779e-06
	J62_63	4.109399e-05	...	1.406447e-04	5.387479e-05	1.575929e-04
	M_N	2.289620e-03	...	1.512902e-03	7.820407e-04	1.400009e-03
	M_N	4.843806e-02	...	1.768154e-05	9.665212e-06	2.047137e-05
	O84	1.782772e-03	...	3.821387e-03	1.757854e-03	4.050626e-03
	P85	7.266205e-04	...	2.140651e-04	3.148329e-04	2.318059e-04
	M_N	2.855415e-03	...	1.470316e-03	9.484853e-04	1.444513e-03
	E37-39	3.971998e-07	...	2.875725e-05	1.127974e-05	5.358541e-05
	E37-39	6.130502e-07	...	3.308224e-05	1.341059e-05	5.715863e-05
	E37-39	2.563375e-06	...	1.948771e-05	8.577396e-06	2.545395e-05
	E37-39	1.993669e-04	...	1.804356e-04	6.137477e-05	2.875738e-04
	E37-39	1.635938e-07	...	7.484583e-06	3.369658e-06	1.308298e-05
	E37-39	1.162723e-07	...	1.393966e-05	5.693308e-06	2.409743e-05
	E37-39	1.499832e-07	...	2.476027e-04	6.928295e-05	4.375647e-04
	E37-39	8.202743e-08	...	1.683359e-07	0.000000e+00	2.714073e-07
	E37-39	4.197056e-08	...	0.000000e+00	0.000000e+00	4.461482e-08
	E37-39	1.847556e-08	...	1.070153e-04	6.099416e-05	1.527238e-04
	E37-39	5.326385e-06	...	1.540488e-04	7.088301e-05	2.034793e-04
	E37-39	0.000000e+00	...	1.619461e-06	1.176375e-06	1.865254e-06
	E37-39	2.479787e-07	...	2.051815e-05	1.190684e-05	1.849983e-05
	E37-39	2.416509e-07	...	5.805044e-05	3.143787e-05	5.546353e-05
	E37-39	3.088147e-08	...	4.038127e-05	2.528183e-05	3.604673e-05
	E37-39	4.616560e-08	...	3.244708e-05	1.882021e-05	3.058512e-05
	E37-39	7.832230e-08	...	6.320958e-03	4.391698e-03	5.864266e-03
	E37-39	3.526815e-08	...	2.955526e-04	1.671251e-04	3.574006e-04
	E37-39	3.504477e-08	...	5.301950e-06	3.344939e-06	4.793935e-06
	E37-39	7.315682e-08	...	1.911622e-05	1.163905e-05	1.828818e-05
	R_S	2.136054e-05	...	9.726836e-07	3.312893e-07	1.107307e-06
	R_S	7.301464e-04	...	1.333318e-04	8.364467e-05	1.363951e-04
	R_S	2.470547e-05	...	7.727561e-06	1.218022e-06	7.075382e-06
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
GR	A01	1.188065e-04	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.223677e-04	...	9.132209e-05	2.859703e-05	9.900302e-05
	A01	8.061349e-05	...	5.269478e-05	4.244719e-05	5.235527e-05
	A01	7.731371e-03	...	6.043492e-02	3.918616e-02	6.173900e-02

A01	0.000000e+00	...	9.762161e-03	5.609544e-03	1.007278e-02
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	6.919733e-07	4.019586e-07	0.000000e+00
A01	2.195362e-02	...	6.281443e-03	1.933534e-03	6.808804e-03
A01	6.978308e-05	...	1.359212e-07	9.432051e-11	1.603278e-07
A01	1.485546e-04	...	6.631068e-07	2.007900e-10	7.821771e-07
A01	5.900748e-05	...	1.149328e-07	7.975595e-11	1.355707e-07
A01	1.544029e-03	...	9.554495e-05	6.289741e-05	9.762359e-05
A01	2.572105e-04	...	1.194514e-05	8.150741e-06	1.213617e-05
A01	1.359101e-03	...	5.665162e-06	1.836994e-09	6.682423e-06
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A02	3.249648e-07	...	3.499102e-06	1.292455e-07	4.382903e-06
A03	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	2.924772e-06	...	8.704317e-04	6.004364e-04	6.406331e-04
B_nongas	1.352817e-08	...	2.072121e-11	0.000000e+00	2.487737e-11
B_gas	2.854160e-07	...	3.706475e-05	2.556176e-05	3.620858e-05
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	8.281122e-08	...	8.836704e-03	1.820873e-11	1.066916e-02
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	2.949985e-05	...	3.900637e-03	2.690081e-03	3.810535e-03
B_nongas	1.315186e-05	...	1.442272e-04	9.946676e-05	1.408957e-04
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	5.006454e-05	...	6.622317e-03	4.567092e-03	6.469346e-03
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	6.404961e-05	...	4.334296e-06	4.081466e-06	4.360207e-06
B_nongas	1.420083e-03	...	1.879361e-01	1.296106e-01	1.835949e-01
C10-12	1.095950e-03	...	2.340025e-04	1.680547e-04	2.358273e-04
C10-12	2.579911e-03	...	5.456568e-04	3.909752e-04	5.500601e-04
C10-12	5.947526e-04	...	3.228535e-04	2.511929e-04	3.225989e-04
C10-12	6.888045e-04	...	4.796142e-04	3.766159e-04	4.783724e-04
C10-12	4.055949e-02	...	4.719478e-03	2.310477e-03	5.853086e-03
C10-12	1.812536e-01	...	1.516653e-03	1.189312e-03	1.512379e-03
C10-12	3.640375e-03	...	7.534461e-04	5.378618e-04	7.840580e-04
C10-12	1.185629e-02	...	3.388765e-03	1.804495e-03	3.552222e-03
C10-12	2.409901e-01	...	4.798020e-02	3.395914e-02	4.853197e-02
C10-12	1.083760e-01	...	2.718495e-02	1.582693e-02	2.783882e-02
C10-12	3.018177e-03	...	1.670280e-04	1.263723e-04	1.684724e-04
C10-12	1.747570e-04	...	1.786706e-02	2.196003e-03	1.831120e-02
C13-15	2.906601e-03	...	3.502214e-02	2.954612e-02	3.396301e-02
C13-15	1.036850e-04	...	2.780496e-04	2.946442e-04	2.710245e-04
C13-15	2.235020e-04	...	3.773384e-06	1.334517e-06	2.583969e-04
C16	1.644273e-04	...	3.225262e-05	2.485374e-05	3.770518e-05
C16	3.803879e-05	...	1.964374e-05	4.636740e-06	2.492605e-05
C17	9.505277e-07	...	1.084849e-04	9.914338e-05	1.067509e-04

C17	8.902464e-06	...	1.120192e-03	1.022296e-03	1.097383e-03
C17	3.940533e-04	...	1.698546e-04	1.883084e-04	1.692250e-04
C18	1.489726e-05	...	4.887263e-05	9.082125e-05	4.785887e-05
C19	5.144691e-08	...	1.770411e-07	1.396526e-07	1.773835e-07
C19	5.074383e-03	...	3.512429e+00	2.824258e+00	3.470224e+00
C24	1.267900e-06	...	3.046376e-08	1.917691e-08	3.557885e-08
C20-21	1.999224e-05	...	4.265875e-03	3.928016e-03	4.168710e-03
C20-21	1.391939e-04	...	2.265284e-02	2.063756e-02	2.216152e-02
C20-21	9.836050e-07	...	5.358361e-05	4.299770e-05	5.312178e-05
C20-21	4.396761e-04	...	3.248592e-04	2.605611e-04	3.225159e-04
C20-21	2.795161e-04	...	3.175329e-03	2.253943e-03	3.125417e-03
C22	5.346594e-03	...	5.120980e-03	6.803282e-04	6.342275e-03
C23	5.645591e-05	...	2.449940e-06	1.131900e-06	2.308360e-06
C23	7.597230e-05	...	2.363975e-06	9.165293e-07	2.193565e-06
C23	7.322529e-06	...	1.283051e-05	7.243640e-06	1.212792e-05
C23	1.347699e-05	...	3.154434e-05	1.897553e-05	3.210629e-05
C23	5.915876e-05	...	2.640446e-04	1.407089e-04	2.725756e-04
C23	5.311876e-05	...	2.457332e-04	1.313085e-04	2.537277e-04
C23	9.089581e-05	...	4.801004e-05	5.743684e-04	4.784651e-05
C24	2.167596e-05	...	1.654270e-02	1.033898e-02	1.618489e-02
C24	8.626387e-05	...	6.108478e-02	3.817523e-02	5.976386e-02
C24	2.203718e-06	...	1.568965e-06	6.972198e-07	2.220807e-06
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.007123e-04	...	2.148825e-04	1.126791e-04	2.203052e-04
C24	2.732517e-06	...	9.744722e-06	7.168267e-06	1.051638e-05
C24	6.229243e-07	...	8.190230e-05	1.486891e-05	9.140229e-05
C24	6.467250e-07	...	4.857509e-05	8.876248e-06	5.424621e-05
C24	8.127056e-05	...	8.770435e-05	3.694009e-05	1.376212e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.130627e-08	...	1.051565e-07	1.723988e-08	1.645571e-07
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	3.327116e-03	...	1.081399e-02	6.593256e-03	1.052934e-02
C25	3.380241e-03	...	8.126698e-03	2.164314e-03	8.046811e-03
C26	8.149146e-07	...	4.191605e-06	2.610145e-06	5.044876e-06
C27	3.804490e-02	...	3.450982e-02	2.014736e-02	3.075460e-02
C27	1.900269e-05	...	2.994901e-04	1.983098e-05	3.448856e-04
C28_32	7.043869e-04	...	3.299258e-05	2.240269e-05	3.610708e-05
C29	5.516753e-05	...	3.902867e-03	2.773876e-03	3.988634e-03
C30	1.529094e-05	...	1.006982e-02	6.928546e-03	1.024842e-02
C31	3.884883e-03	...	1.111157e-03	7.871007e-04	1.085267e-03
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	5.830951e-04	3.647450e-04	5.825011e-04
D35	9.989704e-06	...	1.081840e-05	2.530012e-06	1.214639e-05
D35	1.761820e-05	...	1.080497e-05	1.773095e-06	1.273732e-05
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.547768e-06	...	1.661444e-07	5.142409e-08	1.765152e-07
D35	1.472369e-06	...	1.579042e-06	4.843341e-07	1.678977e-06

D35	2.966789e-06	...	4.720956e-07	1.115859e-07	5.559447e-07
D35	1.485132e-07	...	9.710156e-08	2.244170e-08	1.093750e-07
D35	2.807071e-09	...	3.416193e-09	7.930984e-10	3.849162e-09
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.342900e-06	...	1.289523e-06	2.314241e-07	1.564390e-06
D35	2.134948e-05	...	5.564987e-06	1.054007e-06	6.716573e-06
D35	2.147873e-06	...	1.235153e-06	2.826607e-07	1.387855e-06
D35	6.238161e-06	...	9.965056e-07	2.419100e-07	1.108769e-06
E36	5.679869e-05	...	3.311646e-05	7.788118e-06	3.721111e-05
F	1.380269e-04	...	7.835098e-07	4.803503e-07	7.410528e-07
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.592823e-05	...	4.120836e-06	1.520628e-05	4.004304e-06
G47	2.344919e-05	...	5.272095e-05	4.595247e-05	5.339831e-05
G46	1.720962e-03	...	4.366860e-03	3.819838e-03	4.364496e-03
G47	6.243298e-05	...	2.358210e-03	2.240809e-03	2.343600e-03
I	1.420878e-02	...	2.585645e-05	5.532093e-03	2.490818e-05
H49	1.105779e-02	...	1.004294e-02	3.465933e-06	1.330938e-02
H49	1.887670e-02	...	2.048746e-02	5.225217e-03	2.218099e-02
H49	1.513260e-04	...	1.905556e-04	1.118336e-04	1.827227e-04
H50	7.119255e-03	...	1.167075e-02	8.792059e-03	1.134311e-02
H50	6.052149e-04	...	9.032541e-05	1.139232e-04	8.842311e-05
H51	5.266437e-04	...	2.011837e-01	1.699198e-01	1.995545e-01
H52	1.493906e-02	...	4.587339e-02	3.616096e-02	4.610933e-02
H53	9.717602e-04	...	5.411837e-03	2.342558e-05	7.491712e-03
K64	3.386808e-03	...	8.219897e-06	1.515421e-05	9.254760e-06
K65	1.155578e-04	...	6.670946e-09	1.753998e-10	1.261756e-08
K66	3.344250e-06	...	5.759268e-07	3.132273e-07	6.277186e-07
L68	1.869492e-04	...	4.033318e-07	1.880351e-07	4.869430e-07
M_N	2.154531e-04	...	1.241452e-08	4.414192e-09	1.519522e-08
J62_63	3.759613e-05	...	7.356124e-06	2.817886e-06	8.242527e-06
M_N	6.159798e-05	...	1.786578e-06	9.186223e-07	2.007034e-06
M_N	2.303868e-02	...	5.453302e-07	2.979514e-07	6.314605e-07
O84	9.311618e-04	...	1.156441e-06	2.496741e-05	1.037220e-06
P85	2.317726e-04	...	3.008463e-08	1.608909e-08	3.641526e-08
M_N	4.075467e-05	...	5.716668e-08	6.008367e-08	6.061332e-08
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	6.840788e-06	...	8.896206e-07	3.026025e-07	1.417856e-06
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.483028e-08	...	1.357456e-06	3.798365e-07	2.398902e-06
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.927960e-08	...	1.719117e-06	9.798240e-07	2.453390e-06

[illegible]

B_nongas	3.798984e-04	...	5.939110e-06	4.077250e-06	5.617350e-06
C10-12	4.144003e-05	...	2.749699e-06	2.771162e-06	2.708950e-06
C10-12	1.241178e-04	...	1.176013e-05	9.179251e-06	1.119898e-05
C10-12	2.254495e-04	...	1.721932e-05	1.458614e-05	1.673665e-05
C10-12	2.477863e-04	...	1.998818e-05	1.524196e-05	1.992529e-05
C10-12	2.573719e-02	...	1.352546e-03	9.596405e-04	1.366033e-03
C10-12	5.489577e-03	...	3.304655e-04	2.052426e-04	3.282975e-04
C10-12	1.962255e-03	...	1.298235e-04	9.265071e-05	1.313810e-04
C10-12	6.934175e-03	...	4.561697e-03	3.551669e-04	5.234824e-03
C10-12	1.473774e-01	...	1.202828e-02	7.063437e-03	1.245604e-02
C10-12	6.593819e-02	...	4.398536e-03	2.857221e-03	4.467832e-03
C10-12	4.330338e-04	...	4.214076e-05	1.785937e-05	4.501459e-05
C10-12	1.249906e-04	...	5.431204e-05	1.311083e-05	5.411937e-05
C13-15	6.212647e-03	...	1.516628e-03	1.283835e-03	1.468711e-03
C13-15	5.303960e-03	...	4.407109e-04	3.715073e-04	4.286519e-04
C13-15	1.192730e-02	...	7.934984e-06	6.691778e-06	2.879810e-05
C16	4.014240e-03	...	7.776369e-04	4.984664e-04	8.070356e-04
C16	6.571448e-04	...	1.081028e-04	6.134612e-05	1.136807e-04
C17	1.590595e-04	...	3.184922e-06	2.514544e-06	3.263390e-06
C17	1.240367e-04	...	2.447652e-06	1.868471e-06	2.508957e-06
C17	5.566426e-04	...	9.849203e-07	1.189191e-06	1.011113e-06
C18	1.347659e-03	...	1.266466e-02	1.068663e-02	1.256535e-02
C19	6.302760e-06	...	4.226294e-07	8.160959e-09	5.526201e-07
C19	1.955711e-03	...	4.976691e-04	6.183109e-05	5.296218e-04
C24	5.818193e-06	...	3.891398e-07	4.611611e-09	5.115297e-07
C20-21	3.262139e-04	...	3.023626e-04	2.664792e-04	2.989454e-04
C20-21	2.056922e-04	...	1.197417e-04	9.978738e-05	1.193082e-04
C20-21	1.380236e-06	...	5.521747e-07	4.322679e-07	5.515580e-07
C20-21	3.601204e-02	...	6.540412e-06	3.369792e-06	6.994037e-06
C20-21	5.903095e-04	...	2.891115e-04	1.695591e-04	2.807588e-04
C22	1.052754e-02	...	4.441485e-04	3.868130e-05	5.480886e-04
C23	1.160247e-04	...	2.251019e-06	6.462276e-07	2.410079e-06
C23	1.710234e-05	...	1.186192e-06	3.429649e-07	1.363698e-06
C23	1.183911e-04	...	8.177492e-06	3.118724e-06	8.484835e-06
C23	9.375650e-04	...	7.273803e-05	1.744562e-05	7.924262e-05
C23	6.166085e-03	...	4.727686e-04	1.144195e-04	5.048559e-04
C23	6.730234e-04	...	5.385206e-05	1.485280e-05	5.817676e-05
C23	1.190010e-03	...	2.899312e-05	1.838205e-05	3.088960e-05
C24	1.812979e-03	...	5.947986e-04	3.736846e-04	5.832260e-04
C24	5.223039e-04	...	2.251443e-04	1.444825e-04	2.210034e-04
C24	9.173997e-06	...	1.093924e-06	9.925406e-07	1.117170e-06
C24	4.236143e-11	...	1.344529e-10	1.025912e-10	1.369151e-10
C24	7.169512e-04	...	1.722970e-05	1.128777e-05	1.766229e-05
C24	2.038834e-04	...	8.484717e-06	6.257982e-06	8.660420e-06
C24	1.239168e-05	...	9.059732e-07	8.283875e-07	9.264786e-07
C24	3.263626e-06	...	4.691950e-08	1.168307e-07	4.807978e-08
C24	6.138547e-04	...	3.194010e-05	2.260605e-05	3.378020e-05
C24	5.553966e-06	...	2.799326e-07	3.581610e-07	2.997419e-07

C24	6.721340e-06	...	1.889801e-08	2.329972e-08	1.952648e-08
C24	1.983667e-07	...	6.154707e-10	3.896486e-10	1.135396e-09
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	1.551521e-02	...	5.736176e-04	9.965467e-05	6.038464e-04
C25	1.322495e-03	...	2.376501e-03	2.736819e-04	2.472234e-03
C26	1.558539e-05	...	2.773174e-06	1.767093e-06	3.418601e-06
C27	1.995045e-02	...	3.801621e-03	2.196146e-03	3.387678e-03
C27	2.694933e-04	...	1.270902e-04	1.536685e-05	1.423094e-04
C28_32	2.540898e-04	...	2.246808e-05	1.013992e-05	2.311103e-05
C29	2.811058e-04	...	2.836670e-04	1.699888e-04	2.910195e-04
C30	1.304935e-03	...	1.313992e-03	9.340609e-04	1.330842e-03
C31	2.042280e-02	...	5.902235e-05	2.747863e-05	6.726995e-05
E37-39	5.835865e-06	...	4.350218e-07	3.090159e-07	4.543935e-07
E37-39	3.021628e-06	...	5.698457e-07	5.008945e-07	5.810711e-07
D35	1.319271e-02	...	1.607868e-03	8.479082e-04	1.501185e-03
D35	5.696270e-03	...	6.003986e-04	3.089412e-04	5.737479e-04
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	6.970807e-04	...	6.811419e-05	3.794020e-05	6.482800e-05
D35	2.568721e-03	...	4.913797e-04	2.863595e-04	4.365775e-04
D35	4.393865e-03	...	6.677626e-04	3.781715e-04	6.076988e-04
D35	3.850372e-05	...	4.136172e-06	2.175756e-06	3.922141e-06
D35	2.615892e-06	...	5.011161e-07	2.920429e-07	4.451860e-07
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.191386e-03	...	3.602041e-04	1.865318e-04	3.391339e-04
D35	1.374586e-02	...	1.701247e-03	8.963756e-04	1.581744e-03
D35	6.061472e-04	...	5.942272e-05	3.006679e-05	5.764117e-05
D35	9.490732e-05	...	9.186578e-06	3.941959e-06	9.026630e-06
E36	7.035549e-05	...	9.825538e-06	4.965168e-06	1.001478e-05
F	3.971345e-03	...	3.415043e-04	7.995724e-05	3.735860e-04
F	1.222736e-05	...	8.810887e-07	3.930166e-07	9.227541e-07
G45	3.382628e-05	...	1.177180e-06	3.227875e-06	1.177044e-06
G47	5.461413e-05	...	1.607026e-05	1.404607e-05	1.627577e-05
G46	3.556250e-02	...	2.570331e-03	1.171026e-03	2.753897e-03
G47	6.274033e-05	...	4.117853e-04	3.915536e-04	4.091215e-04
I	1.851167e-02	...	5.828689e-05	1.339436e-03	6.267419e-05
H49	7.998252e-03	...	5.301836e-04	7.315928e-07	7.022647e-04
H49	2.404190e-02	...	1.749266e-03	4.464738e-04	1.893750e-03
H49	1.204674e-05	...	4.180326e-05	2.450055e-05	4.008819e-05
H50	2.443014e-03	...	1.188623e-02	1.078634e-02	1.164099e-02
H50	6.276572e-04	...	2.822676e-07	1.945914e-06	2.857355e-07
H51	9.925798e-04	...	5.795223e-02	4.892069e-02	5.748646e-02
H52	9.849442e-03	...	2.875979e-04	2.405473e-04	2.857357e-04
H53	3.768914e-03	...	4.876054e-04	2.637823e-06	6.755037e-04
K64	1.820166e-02	...	1.738524e-06	8.122307e-05	1.558310e-06
K65	1.133449e-03	...	4.530459e-10	3.773266e-13	8.741135e-10

K66	1.207327e-03	...	2.824926e-08	1.339413e-08	2.747107e-08
L68	4.022590e-04	...	1.938850e-06	1.300312e-06	1.872907e-06
M_N	6.769319e-04	...	1.655040e-07	4.131027e-07	1.685858e-07
J62_63	4.890687e-05	...	4.153022e-06	1.867032e-06	4.589295e-06
M_N	9.661385e-04	...	7.924696e-05	4.540078e-05	7.127114e-05
M_N	2.291991e-02	...	1.258211e-05	6.690294e-06	1.280529e-05
O84	2.291993e-03	...	6.937992e-06	5.468415e-06	7.116175e-06
P85	7.972343e-04	...	1.615906e-06	3.146798e-06	1.755964e-06
M_N	4.614764e-04	...	9.750344e-06	3.667221e-06	1.049233e-05
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.396445e-06	...	1.095927e-07	4.185082e-08	1.280005e-07
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.157210e-06	...	2.149991e-07	6.552135e-08	3.292058e-07
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	6.552921e-06	...	3.973116e-07	2.120214e-07	5.364640e-07
E37-39	4.087412e-07	...	6.487009e-08	2.957362e-08	7.937403e-08
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	3.381285e-06	...	3.070147e-07	2.050536e-07	3.056073e-07
E37-39	8.671147e-05	...	5.328248e-06	1.748217e-06	5.745329e-06
E37-39	1.197209e-05	...	1.108630e-06	5.833272e-07	1.107722e-06
E37-39	1.109420e-05	...	8.851688e-07	5.159337e-07	8.978985e-07
E37-39	5.453674e-07	...	4.695742e-05	3.261732e-05	4.356833e-05
E37-39	1.663897e-05	...	1.830577e-06	9.990431e-07	2.093474e-06
E37-39	3.475891e-06	...	4.103550e-07	1.675626e-07	4.352009e-07
E37-39	4.211591e-06	...	5.051174e-07	2.011750e-07	5.493735e-07
R_S	6.096630e-03	...	3.801333e-04	8.346728e-05	4.238164e-04
R_S	2.856537e-03	...	2.220957e-04	1.463250e-04	2.250634e-04
R_S	2.530959e-05	...	6.325414e-06	4.256121e-06	5.949941e-06
T	3.368428e-03	...	4.127221e-04	2.334537e-04	3.701995e-04
U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	1.874858e-01	...	3.112935e-02	2.471205e-02	3.094387e-02
A01	1.049253e+00	...	2.194198e-02	1.766543e-02	2.180236e-02
A01	1.867502e-02	...	2.305551e-03	1.496171e-03	2.355162e-03
A01	2.395232e-10	...	8.224314e-04	4.725874e-04	8.486001e-04
A01	8.833164e-04	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	2.208516e-01	...	3.985609e-04	1.431302e-04	4.266054e-04
A01	6.588096e-04	...	2.624460e-04	1.152145e-09	3.095718e-04
A01	2.820669e-03	...	1.123655e-03	6.885912e-09	1.325423e-03
A01	4.010498e-03	...	2.526069e-09	7.055958e-09	2.581044e-09
A01	2.146963e-03	...	1.844427e-03	6.545739e-05	2.160425e-03
A01	2.016369e-04	...	8.223980e-05	2.758951e-05	9.132467e-05
A01	1.890994e-03	...	1.021818e-03	6.691286e-09	1.205299e-03

A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A02	2.040088e-03	...	2.418766e-05	1.324609e-05	2.586798e-05
A03	2.578633e-04	...	6.953694e-06	1.074762e-06	8.169089e-06
B_nongas	4.560543e-05	...	7.484781e-07	6.714629e-07	7.579134e-07
B_nongas	6.364052e-05	...	1.965600e-06	5.190943e-07	2.187771e-06
B_gas	3.896942e-03	...	9.072999e-06	1.501510e-06	1.028796e-05
B_gas	2.792118e-07	...	1.643503e-08	4.010593e-09	1.848304e-08
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	2.440986e-08	...	1.147279e-11	5.379101e-12	1.379692e-11
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	2.106466e-09	...	4.355403e-13	2.670189e-13	4.119392e-13
B_nongas	2.619152e-05	...	4.113231e-06	9.598774e-07	4.588688e-06
B_nongas	3.207603e-04	...	1.106520e-05	2.582236e-06	1.234421e-05
B_nongas	2.796990e-05	...	7.400197e-06	5.059545e-06	7.242643e-06
C10-12	6.197250e-03	...	2.023162e-04	1.487312e-04	2.038813e-04
C10-12	7.258208e-03	...	3.826660e-04	2.707496e-04	3.909312e-04
C10-12	5.415042e-03	...	3.389340e-03	1.580548e-04	7.456479e-03
C10-12	1.122598e-02	...	3.589052e-04	1.836499e-04	3.798408e-04
C10-12	5.253987e-02	...	1.355641e-03	4.513504e-04	1.901228e-03
C10-12	3.877829e-02	...	4.562269e-04	2.721308e-04	4.761303e-04
C10-12	5.432191e-04	...	1.178887e-05	8.822012e-06	1.186408e-05
C10-12	3.063776e-02	...	3.761867e-04	3.274376e-04	3.726606e-04
C10-12	6.226014e-01	...	1.923119e-02	1.285710e-02	2.031430e-02
C10-12	3.014859e-01	...	7.227489e-03	4.185245e-03	7.407740e-03
C10-12	1.116319e-04	...	5.181693e-05	4.474957e-05	5.192111e-05
C10-12	6.400219e-04	...	2.155564e-03	2.577198e-04	2.209575e-03
C13-15	5.512569e-03	...	1.195652e-02	1.007847e-02	1.160335e-02
C13-15	6.728833e-03	...	2.109509e-03	1.787422e-03	2.062612e-03
C13-15	3.007573e-02	...	3.621766e-04	2.603781e-04	4.563244e-04
C16	1.338836e-02	...	1.168582e-04	7.810107e-05	1.227055e-04
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.375206e-04	...	2.925070e-05	1.631375e-05	3.029093e-05
C17	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	6.962676e-03	...	4.039457e-05	3.899291e-05	4.229477e-05
C18	2.066326e-03	...	6.945706e-05	3.056327e-05	8.025980e-05
C19	9.342743e-04	...	5.060259e-06	1.435770e-06	5.480524e-06
C19	8.323810e-01	...	6.486786e-02	5.199773e-02	6.378266e-02
C24	0.000000e+00	...	3.648452e-03	0.000000e+00	3.569013e-03
C20-21	5.522380e-02	...	4.223214e-02	4.004924e-02	4.112261e-02
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.122458e-03	...	7.784600e-07	6.543660e-07	7.859431e-07
C20-21	1.733815e-02	...	6.534255e-06	5.080225e-06	6.483361e-06

C20-21	1.951906e-03	...	6.839620e-04	3.888894e-04	6.605522e-04
C22	7.179954e-02	...	5.087439e-03	1.452504e-03	5.939589e-03
C23	3.712423e-03	...	7.465429e-05	4.376670e-05	7.637620e-05
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.558128e-04	...	9.262986e-05	3.752201e-05	9.811413e-05
C23	1.936620e-04	...	8.248189e-05	5.002625e-05	8.511904e-05
C23	6.353504e-04	...	3.068869e-04	1.761524e-04	3.172085e-04
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	4.384659e-03	...	1.123240e-04	1.431461e-04	1.160694e-04
C24	1.621220e-03	...	1.591578e-03	1.026745e-03	1.570655e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.348646e-06	...	5.602835e-06	3.424531e-06	5.776664e-06
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.025355e-03	...	4.706645e-04	3.514665e-04	4.754343e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.269122e-06	...	4.030931e-04	8.698830e-05	4.465312e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.183049e-05	...	2.217939e-05	1.828442e-05	2.334904e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.348372e-07	...	4.532237e-07	3.615449e-07	4.668013e-07
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.623705e-04	...	2.162746e-04	1.736513e-04	2.165527e-04
C25_33	3.594018e-02	...	1.546277e-03	8.386028e-04	1.532623e-03
C25	2.942776e-02	...	9.807605e-03	2.442334e-03	9.828785e-03
C26	2.089929e-02	...	7.213156e-04	3.312916e-04	7.723793e-04
C27	1.606813e-01	...	1.993208e-02	1.131585e-02	1.790585e-02
C27	2.396796e-02	...	8.564089e-03	1.327248e-03	9.367942e-03
C28_32	1.350029e-02	...	1.406815e-03	8.907519e-04	1.356438e-03
C29	2.748277e-02	...	2.529496e-02	1.673082e-02	2.570427e-02
C30	1.733680e-03	...	3.596272e-03	2.534952e-03	3.628013e-03
C31	6.079709e-02	...	2.862435e-04	1.736516e-04	2.920909e-04
E37-39	1.318525e-04	...	6.701448e-05	2.342314e-05	7.218152e-05
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.150495e-04	...	1.448987e-05	9.625639e-06	1.421006e-05
D35	2.994392e-04	...	5.158218e-05	3.425299e-05	5.065003e-05
D35	2.169876e-04	...	2.726231e-05	1.809551e-05	2.676347e-05
D35	2.932983e-06	...	4.833051e-07	2.843046e-07	5.498590e-07
D35	1.020704e-06	...	1.564823e-07	1.028260e-07	2.032983e-07
D35	1.417407e-05	...	1.805643e-06	1.198359e-06	1.772501e-06
D35	3.374938e-05	...	4.255018e-06	2.823585e-06	4.176608e-06
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.342726e-07	...	6.465552e-08	4.574487e-08	6.646864e-08
D35	4.430064e-05	...	5.605483e-06	3.720635e-06	5.502889e-06
D35	2.320808e-04	...	2.781936e-05	1.846199e-05	2.730786e-05
D35	4.020662e-04	...	3.068934e-05	2.037570e-05	3.012975e-05

D35	1.446702e-03	...	1.643935e-04	1.098784e-04	1.611980e-04
E36	4.610831e-04	...	2.733977e-04	1.786169e-04	2.663763e-04
F	9.977072e-03	...	6.762894e-04	3.503218e-04	6.413723e-04
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	6.268899e-03	...	9.912176e-04	3.461768e-04	1.081299e-03
G47	1.051036e-03	...	2.903285e-04	1.845973e-04	3.052546e-04
G46	1.514452e-01	...	1.663149e-02	1.126985e-02	1.739278e-02
G47	2.307312e-02	...	8.608674e-03	7.964575e-03	8.665005e-03
I	1.276373e-02	...	1.551231e-04	1.016983e-02	1.541285e-04
H49	1.587068e-01	...	1.682085e-02	2.965895e-05	2.228115e-02
H49	3.284594e-01	...	7.963040e-02	2.034090e-02	8.620836e-02
H49	2.412796e-03	...	3.422043e-03	2.006937e-03	3.282702e-03
H50	1.566732e-05	...	1.065307e-04	9.671672e-05	1.043329e-04
H50	2.194824e-03	...	2.216067e-07	3.976312e-06	2.241057e-07
H51	8.989756e-04	...	2.883915e-01	2.435783e-01	2.860582e-01
H52	1.304065e-01	...	1.179279e-03	8.260278e-04	1.224096e-03
H53	8.504102e-03	...	1.191110e-02	6.667806e-03	1.336241e-02
K64	2.858596e-02	...	5.666806e-06	1.155098e-05	4.983693e-06
K65	1.817833e-04	...	1.465090e-08	1.517018e-06	2.143120e-08
K66	1.780959e-05	...	1.089305e-06	1.313035e-06	1.187397e-06
L68	4.305604e-03	...	1.549024e-04	2.031299e-04	1.652107e-04
M_N	1.075075e-02	...	7.209213e-05	5.335911e-05	6.801795e-05
J62_63	2.472786e-03	...	1.710672e-04	9.288897e-05	1.877159e-04
M_N	2.005069e-03	...	1.641377e-04	1.082204e-04	1.703382e-04
M_N	5.445860e-02	...	5.886902e-04	5.953617e-04	6.361523e-04
O84	2.766987e-03	...	2.381109e-06	4.053760e-05	2.435770e-06
P85	1.281486e-04	...	8.183132e-06	2.772221e-05	8.152326e-06
M_N	8.190426e-05	...	2.027002e-07	1.987726e-05	2.027903e-07
E37-39	7.066393e-05	...	9.540374e-06	6.166963e-06	1.179502e-05
E37-39	5.654141e-05	...	8.065979e-06	5.129822e-06	9.951317e-06
E37-39	1.706306e-05	...	1.726304e-06	1.224522e-06	1.825322e-06
E37-39	2.631907e-04	...	2.527029e-05	1.356152e-05	3.313045e-05
E37-39	1.155205e-05	...	1.817873e-06	1.136177e-06	2.365921e-06
E37-39	1.407415e-05	...	2.333631e-06	1.391047e-06	3.087924e-06
E37-39	5.960985e-05	...	2.212539e-05	8.921919e-06	3.464835e-05
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.527333e-04	...	3.933891e-05	2.490105e-05	4.998382e-05
E37-39	9.712118e-05	...	4.316877e-05	2.244710e-05	5.428003e-05
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.465559e-04	...	1.865108e-05	1.310419e-05	1.894742e-05
E37-39	2.539300e-04	...	5.719087e-05	3.595625e-05	5.686625e-05
E37-39	4.982408e-04	...	9.134911e-05	6.240443e-05	8.910789e-05
E37-39	3.260051e-04	...	3.784322e-05	2.704884e-05	3.899984e-05
E37-39	4.023805e-05	...	1.888948e-03	1.312534e-03	1.752904e-03
E37-39	1.255986e-04	...	2.722991e-05	1.755709e-05	3.062943e-05
E37-39	6.931789e-05	...	1.259502e-05	8.631323e-06	1.234969e-05
E37-39	9.539389e-05	...	1.862949e-05	1.250536e-05	1.862817e-05

IE	R_S	4.599282e-08	...	3.422402e-07	2.945419e-07	3.503691e-07
	R_S	6.123288e-04	...	3.559614e-05	6.209460e-05	3.727023e-05
	R_S	2.725563e-04	...	8.199911e-06	2.241166e-05	8.189084e-06
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	4.122700e-04	...	6.545163e-06	3.108113e-06	6.893330e-06
	A01	6.065021e-04	...	7.358347e-06	3.638733e-06	7.719035e-06
	A01	3.418823e-05	...	4.762011e-04	3.310304e-04	4.839988e-04
	A01	4.224501e-07	...	2.317739e-04	1.332594e-04	2.391353e-04
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.602602e-02	...	2.454267e-04	7.840893e-05	2.656388e-04
	A01	2.844480e-05	...	2.212277e-04	1.650447e-05	2.570003e-04
	A01	2.407360e-06	...	1.481788e-05	1.157165e-06	1.720381e-05
	A01	1.296951e-05	...	1.153305e-05	8.067640e-06	1.165367e-05
	A01	3.630592e-05	...	2.517095e-04	1.912383e-05	2.931580e-04
	A01	4.810136e-07	...	3.839618e-08	2.570802e-07	4.166765e-08
	A01	2.710537e-05	...	1.215911e-04	1.760023e-05	1.391735e-04
	A01	6.632302e-08	...	8.345690e-08	5.723827e-08	8.447984e-08
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	6.626426e-06	...	1.057313e-05	7.137495e-06	1.072297e-05
	A03	9.065979e-06	...	5.050546e-06	1.265408e-06	5.375714e-06
	B_nongas	3.025291e-08	...	1.817149e-03	1.253588e-03	1.337508e-03
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	2.008633e-07	...	2.386654e-06	2.255674e-06	2.399133e-06
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	4.754433e-09	...	5.657858e-08	5.338716e-08	5.687849e-08
	B_nongas	6.492096e-08	...	7.716247e-07	7.290431e-07	7.756702e-07
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.738909e-05	...	2.368383e-05	1.792097e-05	2.418282e-05
	B_nongas	2.540372e-06	...	3.459846e-06	2.618019e-06	3.532674e-06
	B_nongas	3.373597e-07	...	2.560496e-03	1.765881e-03	2.501371e-03
	C10-12	1.558285e-02	...	3.329757e-02	2.376386e-02	3.357765e-02
	C10-12	2.006109e-03	...	4.055519e-03	2.965636e-03	4.082033e-03
	C10-12	6.252212e-04	...	1.498939e-03	9.625686e-04	1.718943e-03
	C10-12	1.369433e-02	...	2.927376e-02	2.089399e-02	2.951734e-02
	C10-12	1.257021e-03	...	2.358787e-03	1.681947e-03	2.380174e-03
	C10-12	9.646657e-02	...	2.133220e-02	1.522784e-02	2.151018e-02
	C10-12	5.070295e-05	...	1.085405e-04	7.751295e-05	1.094582e-04
	C10-12	9.786700e-04	...	2.140493e-03	1.508026e-03	2.163721e-03
	C10-12	2.158680e-01	...	4.117569e-01	2.764950e-01	4.173834e-01

C10-12	6.342369e-02	...	9.562434e-02	4.513029e-02	9.918781e-02
C10-12	1.687969e-01	...	7.122559e-05	6.143032e-05	7.061309e-05
C10-12	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	8.070026e-04	...	2.365939e-02	2.002981e-02	2.291978e-02
C13-15	4.843162e-05	...	1.053350e-03	9.011005e-04	1.023178e-03
C13-15	1.505826e-04	...	9.384223e-07	7.335416e-08	2.465750e-05
C16	1.890886e-03	...	1.244684e-04	8.406137e-05	1.369532e-04
C16	2.867861e-04	...	2.455938e-05	1.860453e-05	2.650899e-05
C17	3.206034e-04	...	1.358270e-03	1.221784e-03	1.334825e-03
C17	1.894392e-06	...	1.161969e-05	1.052849e-05	1.140266e-05
C17	1.768655e-03	...	1.187054e-04	8.804710e-05	1.220573e-04
C18	2.717574e-03	...	2.644442e-02	2.505318e-02	2.657762e-02
C19	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C19	9.850302e-04	...	2.735437e-04	1.948339e-04	2.742300e-04
C24	2.695459e-06	...	3.565581e-05	2.795191e-07	3.539727e-05
C20-21	3.025128e-04	...	2.559470e-03	2.352000e-03	2.428534e-03
C20-21	2.835278e-03	...	2.044747e-02	1.940228e-02	1.992242e-02
C20-21	3.032582e-07	...	4.571074e-07	3.315828e-07	5.779403e-07
C20-21	2.130117e-02	...	3.937961e-06	2.910534e-06	4.100519e-06
C20-21	2.201097e-02	...	1.021247e-02	5.219012e-03	9.864331e-03
C22	8.199073e-02	...	3.479325e-03	1.132072e-03	3.874638e-03
C23	1.558612e-03	...	2.734010e-04	1.870747e-04	2.666741e-04
C23	5.480463e-04	...	2.366616e-04	1.622117e-04	2.303860e-04
C23	4.338904e-06	...	6.523111e-05	4.501889e-05	6.353843e-05
C23	1.199116e-06	...	2.369062e-05	1.636570e-05	2.308047e-05
C23	3.766954e-04	...	1.027533e-02	7.083491e-03	1.001948e-02
C23	1.970470e-05	...	3.894317e-04	2.690213e-04	3.793993e-04
C23	1.648865e-04	...	2.094149e-03	1.467728e-03	2.040333e-03
C24	1.607015e-05	...	3.294577e-03	2.059720e-03	3.222858e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.609366e-06	...	6.011168e-04	1.387965e-04	6.572804e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.279803e-05	...	8.107184e-06	3.435296e-06	7.806128e-06
C24	1.060271e-05	...	4.326863e-06	2.719954e-06	4.115948e-06
C24	5.201259e-06	...	6.690022e-04	1.213435e-04	7.452718e-04
C24	1.476287e-05	...	1.112883e-03	2.024546e-04	1.239516e-03
C24	1.860136e-06	...	6.736945e-07	2.951307e-07	7.457646e-06
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.283079e-06	...	3.750879e-06	1.256660e-06	4.451993e-06
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	9.775083e-03	...	1.313323e-03	6.106080e-04	1.269536e-03
C25	2.083312e-03	...	1.101338e-02	1.315094e-03	1.148532e-02
C26	5.349652e-02	...	7.813332e-03	4.083353e-03	8.215776e-03
C27	4.916196e-02	...	5.524763e-02	3.224234e-02	4.906351e-02
C27	1.941173e-03	...	5.137179e-03	1.575737e-03	5.323292e-03
C28_32	1.007558e-02	...	2.656069e-03	1.450758e-03	2.685088e-03
C29	2.915686e-04	...	3.759191e-03	2.668069e-03	3.843285e-03

C30	3.846990e-04	...	6.674995e-03	4.734768e-03	6.760147e-03
C31	5.459463e-03	...	6.572816e-04	4.959600e-04	6.325907e-04
E37-39	1.447152e-06	...	1.719504e-05	1.625137e-05	1.728495e-05
E37-39	1.916021e-05	...	2.276613e-04	2.151671e-04	2.288516e-04
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.652544e-08	...	3.151748e-07	2.978779e-07	3.168227e-07
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.351405e-09	...	1.605738e-08	1.517614e-08	1.614133e-08
D35	3.994239e-09	...	4.745949e-08	4.485490e-08	4.770763e-08
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	8.450980e-08	...	1.004144e-06	9.490364e-07	1.009394e-06
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E36	1.039824e-07	...	3.814932e-07	3.422185e-07	3.943801e-07
F	3.833797e-04	...	1.009495e-05	6.186009e-06	9.551084e-06
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	6.024580e-04	...	1.238357e-04	4.584400e-04	1.203125e-04
G47	4.407750e-04	...	1.406421e-03	1.225973e-03	1.424493e-03
G46	1.076658e-02	...	1.101264e-01	1.041242e-01	1.106125e-01
G47	3.513923e-04	...	9.573488e-02	9.129635e-02	9.507150e-02
I	4.403064e-03	...	1.585019e-05	3.392727e-03	1.526884e-05
H49	1.203292e-03	...	5.527104e-02	1.030668e-05	7.324784e-02
H49	8.088136e-03	...	1.385552e-01	3.532232e-02	1.500083e-01
H49	1.454803e-06	...	9.322044e-04	5.460858e-04	8.938763e-04
H50	3.633497e-04	...	1.096253e-02	9.948505e-03	1.073634e-02
H50	1.018256e-05	...	5.433438e-08	1.534135e-05	4.475019e-08
H51	2.545710e-03	...	3.311090e-01	2.826517e-01	3.284658e-01
H52	3.238802e-03	...	4.443668e-06	6.398776e-06	4.497169e-06
H53	2.818648e-03	...	9.100408e-02	8.480823e-06	1.264257e-01
K64	1.746458e-01	...	1.834595e-04	1.003129e-04	1.612332e-04
K65	4.124489e-03	...	6.450794e-07	1.036833e-07	1.098852e-06
K66	3.020778e-05	...	6.423065e-05	3.493290e-05	7.000676e-05
L68	7.111140e-04	...	9.277346e-06	4.324989e-06	1.120082e-05
M_N	1.789839e-02	...	6.651034e-06	3.427245e-06	6.219681e-06
J62_63	1.267787e-03	...	1.060645e-03	5.969569e-04	1.149362e-03
M_N	8.230908e-06	...	1.167318e-05	6.002049e-06	1.311313e-05
M_N	5.362131e-02	...	7.638894e-06	4.175628e-06	8.844176e-06
O84	6.731688e-06	...	0.000000e+00	0.000000e+00	0.000000e+00
P85	2.301282e-05	...	3.478437e-06	1.802234e-06	3.981246e-06
M_N	0.000000e+00	...	2.843619e-06	1.241930e-06	2.998214e-06
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	3.327177e-09	1.464437e-09	4.345805e-09
	E37-39	5.841949e-04	...	4.608439e-05	1.567551e-05	7.344819e-05
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	3.441042e-08	1.405409e-08	5.948516e-08
	E37-39	2.281083e-06	...	6.612102e-05	1.850166e-05	1.168494e-04
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	8.543747e-06	...	1.098647e-04	6.261821e-05	1.567903e-04
	E37-39	6.814251e-05	...	2.635940e-04	1.212885e-04	3.481750e-04
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.927363e-05	...	3.098087e-05	1.797844e-05	2.793336e-05
	E37-39	1.838451e-05	...	9.665221e-05	5.234309e-05	9.234509e-05
	E37-39	2.815381e-05	...	1.406336e-04	8.804764e-05	1.255380e-04
	E37-39	2.328853e-05	...	1.141413e-04	6.620512e-05	1.075914e-04
	E37-39	8.346426e-06	...	6.279941e-03	4.363199e-03	5.826212e-03
	E37-39	2.166726e-06	...	7.102688e-05	4.016332e-05	8.589012e-05
	E37-39	1.380812e-05	...	1.994479e-05	1.258293e-05	1.803374e-05
	E37-39	1.612388e-05	...	2.819267e-05	1.716532e-05	2.697148e-05
	R_S	1.593552e-07	...	2.093312e-06	7.083866e-07	2.382699e-06
	R_S	2.843991e-04	...	6.710709e-06	7.460977e-07	7.402503e-06
	R_S	7.626393e-06	...	6.192054e-06	9.759950e-07	5.669466e-06
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
IT	A01	9.972050e-04	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.268392e-03	...	2.761984e-04	1.655280e-04	2.846201e-04
	A01	5.045405e-02	...	4.117507e-03	3.298641e-03	4.094312e-03
	A01	3.123483e-02	...	1.181218e-01	8.131530e-02	1.201468e-01
	A01	1.253644e-11	...	3.376118e-04	1.939989e-04	3.483542e-04
	A01	3.136755e-12	...	3.078130e-12	1.582695e-12	3.457834e-12
	A01	9.461755e-10	...	1.037724e-09	5.408583e-10	1.043026e-09
	A01	9.910072e-01	...	3.751770e-02	1.187644e-02	4.067216e-02
	A01	5.044402e-03	...	5.327656e-04	1.294393e-08	6.284312e-04
	A01	8.896971e-04	...	1.346234e-04	2.279693e-09	1.587969e-04
	A01	9.005324e-04	...	1.362629e-04	2.309465e-09	1.607308e-04
	A01	1.898725e-03	...	5.962373e-04	1.246961e-04	6.989780e-04
	A01	1.130212e-05	...	4.491786e-07	7.852168e-06	5.154601e-07
	A01	1.046082e-03	...	1.935080e-04	2.692822e-09	2.282551e-04
	A01	3.408674e-12	...	3.344967e-12	1.719896e-12	3.757587e-12
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	1.984531e-05	...	1.206931e-06	4.458009e-08	1.511776e-06
	A03	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.162359e-05	...	4.676508e-04	3.733063e-04	4.957083e-04
	B_nongas	1.647850e-03	...	8.594575e-05	4.018722e-05	9.123810e-05
	B_gas	1.397402e-03	...	9.733281e-05	4.923122e-05	9.810927e-05
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	5.144485e-06	...	1.744760e-07	4.630921e-08	2.366937e-07
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	8.470271e-07	...	3.261723e-08	1.023659e-08	4.192025e-08
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	5.872907e-03	...	2.036588e-04	1.359553e-04	2.099442e-04
B_nongas	2.129976e-03	...	5.367876e-04	3.973210e-04	5.228745e-04
B_nongas	2.057735e-02	...	1.599492e-01	1.102738e-01	1.562608e-01
C10-12	6.344271e-02	...	1.057409e-02	7.575540e-03	1.065643e-02
C10-12	7.641671e-02	...	1.277418e-02	9.164798e-03	1.287630e-02
C10-12	3.370273e-03	...	9.137463e-04	6.528058e-04	9.942436e-04
C10-12	3.540289e-01	...	5.819697e-02	4.153906e-02	5.868972e-02
C10-12	1.608541e-01	...	1.222582e-02	7.353641e-03	1.377424e-02
C10-12	3.176143e-01	...	6.462740e-03	4.871010e-03	6.464168e-03
C10-12	2.686663e-02	...	4.456471e-03	3.189661e-03	4.609603e-03
C10-12	3.530038e-02	...	4.578591e-03	3.012694e-03	4.675192e-03
C10-12	1.628475e+00	...	2.734827e-01	1.749469e-01	2.786032e-01
C10-12	4.884403e-01	...	9.902511e-02	3.940602e-02	1.035770e-01
C10-12	2.149627e-01	...	6.354755e-04	4.907334e-04	5.924507e-04
C10-12	4.483807e-05	...	7.014383e-04	8.334487e-05	7.190263e-04
C13-15	3.170389e-02	...	4.113994e-01	3.478064e-01	3.983593e-01
C13-15	2.484672e-03	...	2.012152e-02	1.774817e-02	1.948788e-02
C13-15	1.883144e-01	...	1.309650e-03	4.019670e-04	2.344434e-02
C16	1.057710e-02	...	5.903684e-04	2.399988e-04	7.001612e-04
C16	1.062644e-02	...	5.674228e-04	2.242888e-04	6.760747e-04
C17	8.906634e-06	...	3.417296e-04	3.116336e-04	3.349274e-04
C17	2.918919e-04	...	9.309494e-03	8.480761e-03	9.126088e-03
C17	4.060393e-02	...	6.937212e-04	1.040573e-03	6.990387e-04
C18	3.096218e-03	...	2.381416e-03	2.259203e-03	2.330338e-03
C19	1.184896e-04	...	1.191348e-04	9.334529e-05	1.017337e-04
C19	5.311179e-01	...	1.952901e+00	1.607413e+00	1.934918e+00
C24	4.247213e-07	...	2.047688e-04	3.194599e-06	2.002497e-04
C20-21	4.599955e-03	...	4.218661e-01	4.068181e-01	4.101080e-01
C20-21	1.685336e-03	...	1.624720e-01	1.569180e-01	1.579253e-01
C20-21	1.627113e-06	...	2.302359e-06	1.736987e-06	2.623298e-06
C20-21	1.150674e-05	...	1.927528e-05	1.351247e-05	2.158531e-05
C20-21	2.662409e-03	...	1.316358e-02	7.632404e-03	1.286011e-02
C22	1.094658e-01	...	4.352643e-02	1.398491e-02	5.032321e-02
C23	1.381132e-02	...	1.116286e-03	8.254647e-04	1.079964e-03
C23	7.963093e-03	...	4.292115e-03	2.987052e-03	4.187831e-03
C23	5.334337e-03	...	1.873293e-02	1.305421e-02	1.826379e-02
C23	7.676524e-04	...	3.613428e-03	2.496106e-03	3.550170e-03
C23	5.372066e-03	...	2.834763e-02	1.982180e-02	2.768230e-02
C23	1.425174e-03	...	7.341293e-03	5.129110e-03	7.165431e-03
C23	1.051466e-02	...	1.186334e-02	1.032401e-02	1.158590e-02
C24	7.446979e-03	...	1.524727e-01	1.009798e-01	1.495030e-01

C24	9.661585e-03	...	1.765303e-01	1.172276e-01	1.730858e-01
C24	1.322403e-03	...	3.683038e-02	1.121945e-02	3.973864e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.224343e-04	...	2.008437e-03	1.605532e-03	1.980445e-03
C24	2.501539e-03	...	7.802162e-03	6.295333e-03	7.698953e-03
C24	4.763287e-04	...	9.083872e-03	2.527008e-03	9.941452e-03
C24	4.081260e-04	...	7.836717e-03	2.173066e-03	8.577084e-03
C24	2.425942e-03	...	7.879360e-03	6.295764e-03	1.086655e-02
C24	7.306705e-04	...	2.416871e-03	1.920094e-03	3.271326e-03
C24	6.300933e-05	...	1.926967e-04	1.428570e-04	2.018062e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.235996e-03	...	7.019376e-03	5.654359e-03	6.920102e-03
C25_33	7.327261e-02	...	8.047268e-02	3.927733e-02	7.952791e-02
C25	5.877125e-02	...	3.283273e-01	5.623104e-02	3.360046e-01
C26	1.250560e-02	...	1.127944e-02	6.429594e-03	1.013258e-02
C27	3.657603e-01	...	3.936706e-01	2.276987e-01	3.505069e-01
C27	8.498376e-03	...	1.804415e-02	5.547462e-03	1.853060e-02
C28_32	2.238756e-02	...	6.592376e-03	3.494186e-03	6.514440e-03
C29	9.945052e-03	...	1.165628e-01	7.637356e-02	1.187993e-01
C30	8.194781e-03	...	1.219885e-01	8.533610e-02	1.229523e-01
C31	1.963577e-01	...	1.546307e-02	8.965625e-03	1.489269e-02
E37-39	1.162307e-04	...	2.296487e-04	1.616348e-04	2.154049e-04
E37-39	2.341510e-06	...	3.807653e-05	3.598570e-05	3.821726e-05
D35	4.835624e-04	...	5.156329e-04	3.010186e-04	4.577475e-04
D35	4.850737e-03	...	5.171046e-03	3.018780e-03	4.590538e-03
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.877234e-04	...	3.067542e-04	1.790784e-04	2.723177e-04
D35	5.636880e-05	...	1.201117e-04	9.233973e-05	1.129449e-04
D35	1.695320e-07	...	2.348474e-09	1.072226e-09	2.567420e-09
D35	6.405960e-05	...	7.467542e-05	4.595718e-05	6.696402e-05
D35	3.155714e-07	...	9.365107e-07	7.689165e-07	8.945458e-07
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	4.505847e-05	...	1.296328e-04	1.058905e-04	1.236694e-04
D35	1.247788e-07	...	1.339084e-04	1.277148e-04	1.329600e-04
D35	1.244174e-07	...	1.335043e-04	1.273294e-04	1.325587e-04
D35	4.988715e-03	...	5.318121e-03	3.104639e-03	4.721104e-03
D35	1.160167e-03	...	1.237110e-03	7.222059e-04	1.098231e-03
D35	3.170228e-03	...	3.379565e-03	1.972939e-03	3.000171e-03
E36	3.067770e-03	...	3.269479e-03	1.908673e-03	2.902443e-03
F	1.700779e-03	...	4.555873e-05	1.196353e-05	4.885965e-05
F	2.228455e-06	...	4.323739e-06	3.823657e-06	4.222678e-06
G45	2.334382e-03	...	3.586282e-03	2.699085e-03	3.760861e-03
G47	9.526235e-04	...	3.219972e-03	2.569285e-03	3.304851e-03
G46	6.126773e-02	...	9.010968e-02	7.541703e-02	9.135117e-02
G47	6.542413e-01	...	1.335685e-01	9.677693e-02	1.361357e-01
I	3.312226e-02	...	1.199611e-03	3.328320e-02	1.155459e-03
H49	2.923914e-02	...	3.256293e-02	4.676774e-04	4.281309e-02

	H49	8.905346e-02	...	2.085939e-01	5.396104e-02	2.254097e-01
	H49	1.221842e-03	...	8.309086e-03	4.868192e-03	7.930303e-03
	H50	1.408669e-03	...	9.800263e-02	8.893061e-02	9.597757e-02
	H50	1.333042e-04	...	1.277718e-05	1.221263e-05	1.193251e-05
	H51	1.681795e-03	...	1.110777e+00	9.381072e-01	1.101764e+00
	H52	3.330289e-02	...	3.287360e-02	1.796186e-02	3.439676e-02
	H53	5.699002e-03	...	6.654377e-02	1.026228e-03	9.115165e-02
	K64	1.388853e-02	...	4.750606e-05	2.595957e-05	4.200830e-05
	K65	1.503287e-03	...	2.355657e-07	2.584753e-08	4.041350e-07
	K66	1.106309e-04	...	1.012403e-05	5.543857e-06	1.073102e-05
	L68	9.825960e-04	...	9.297057e-05	5.353566e-05	8.436517e-05
	M_N	4.799607e-03	...	5.627803e-03	1.349479e-03	6.203615e-03
	J62_63	3.405333e-03	...	1.177220e-03	7.601300e-04	1.170854e-03
	M_N	1.620742e-04	...	3.210297e-03	3.036959e-03	3.108484e-03
	M_N	4.086398e-02	...	4.869323e-04	2.981928e-04	4.458174e-04
	O84	2.276256e-04	...	9.616402e-05	1.088666e-05	1.153467e-04
	P85	5.556109e-04	...	5.777710e-04	3.710425e-04	5.150412e-04
	M_N	3.960821e-04	...	3.035790e-04	1.918548e-04	2.762202e-04
	E37-39	1.949537e-05	...	4.631654e-05	3.413695e-05	4.833174e-05
	E37-39	1.942208e-05	...	4.956377e-05	3.600079e-05	5.326090e-05
	E37-39	2.876740e-05	...	5.434656e-05	3.448023e-05	5.771609e-05
	E37-39	2.271768e-04	...	9.465505e-05	5.972276e-05	1.080366e-04
	E37-39	2.996997e-06	...	7.254817e-06	5.276487e-06	7.934117e-06
	E37-39	6.133217e-06	...	1.799853e-05	1.257471e-05	2.037631e-05
	E37-39	2.768353e-05	...	1.065911e-04	5.464630e-05	1.443798e-04
	E37-39	1.827126e-06	...	3.884752e-06	3.024076e-06	3.699823e-06
	E37-39	2.528332e-07	...	5.246154e-07	4.124379e-07	5.078730e-07
	E37-39	3.536764e-06	...	4.496816e-06	2.752276e-06	4.231505e-06
	E37-39	4.013749e-05	...	1.545577e-04	9.427580e-05	1.765475e-04
	E37-39	9.880086e-07	...	2.412808e-06	1.629448e-06	2.481766e-06
	E37-39	2.734115e-05	...	7.152333e-05	5.332067e-05	6.707030e-05
	E37-39	3.631107e-05	...	1.093134e-04	7.868542e-05	1.036438e-04
	E37-39	5.711256e-05	...	1.605765e-04	1.204498e-04	1.501416e-04
	E37-39	6.593647e-05	...	1.499586e-04	1.068015e-04	1.403395e-04
	E37-39	7.566896e-06	...	2.855948e-03	1.985570e-03	2.649874e-03
	E37-39	4.865727e-05	...	1.350163e-04	9.202668e-05	1.384323e-04
	E37-39	8.925526e-06	...	2.336625e-05	1.756615e-05	2.190602e-05
	E37-39	2.432449e-05	...	5.050756e-05	3.592744e-05	4.727420e-05
	R_S	2.809985e-08	...	2.519527e-07	8.540468e-08	2.867269e-07
	R_S	1.723415e-03	...	4.113487e-04	4.582134e-04	3.713443e-04
	R_S	4.611675e-05	...	2.015263e-04	1.968543e-04	1.948608e-04
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
LT	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.458798e-03	...	2.717575e-01	2.157237e-01	2.701403e-01
	A01	3.758854e-03	...	5.791573e-02	4.662676e-02	5.754738e-02
	A01	1.652637e-04	...	1.573103e-02	1.114565e-02	1.596563e-02
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	5.557390e-02	...	1.050883e-03	3.363227e-04	1.137057e-03
A01	0.000000e+00	...	9.557976e-07	0.000000e+00	1.127425e-06
A01	0.000000e+00	...	2.828294e-07	0.000000e+00	3.336154e-07
A01	0.000000e+00	...	6.942084e-07	0.000000e+00	8.188634e-07
A01	1.166502e-05	...	4.469691e-06	3.741706e-06	4.531488e-06
A01	1.598645e-05	...	3.218477e-06	2.709153e-06	3.262926e-06
A01	0.000000e+00	...	1.389173e-06	0.000000e+00	1.638619e-06
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A02	1.701958e-04	...	1.408978e-05	5.115169e-06	1.550221e-05
A03	4.172154e-05	...	1.668930e-05	1.014031e-05	1.695086e-05
B_nongas	8.321289e-03	...	2.242729e-03	1.429876e-03	1.687524e-03
B_nongas	4.067588e-05	...	7.654637e-06	2.445084e-06	8.354653e-06
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	2.815549e-06	...	4.531663e-07	4.279157e-07	4.554354e-07
B_nongas	3.703822e-06	...	5.753497e-07	5.423149e-07	5.780971e-07
B_nongas	8.078196e-07	...	1.514257e-04	1.044446e-04	1.479294e-04
C10-12	1.428499e-04	...	2.149920e-05	1.444977e-05	2.171562e-05
C10-12	1.617720e-04	...	2.678392e-05	1.879780e-05	2.698759e-05
C10-12	2.316191e-04	...	2.994857e-05	1.977311e-05	3.028785e-05
C10-12	2.785718e-04	...	4.098803e-05	2.525070e-05	4.152154e-05
C10-12	3.881827e-07	...	2.717444e-05	8.455427e-09	4.734547e-05
C10-12	4.880026e-03	...	4.821448e-04	3.433278e-04	4.862474e-04
C10-12	5.257807e-08	...	3.797826e-09	8.605398e-10	4.214745e-09
C10-12	1.425978e-03	...	1.521737e-05	1.120495e-05	1.530847e-05
C10-12	6.030513e-02	...	8.850704e-03	6.235018e-03	8.933184e-03
C10-12	1.470450e-02	...	3.353957e-03	1.546809e-03	3.472268e-03
C10-12	1.280818e-02	...	1.921007e-05	1.542687e-05	1.915691e-05
C10-12	1.230737e-03	...	2.466237e-04	9.294300e-05	2.580917e-04
C13-15	7.198864e-04	...	3.043759e-03	2.578060e-03	2.947544e-03
C13-15	1.843123e-04	...	3.553374e-04	3.045663e-04	3.442822e-04
C13-15	3.923580e-05	...	6.203202e-06	5.629082e-06	1.270653e-05
C16	2.702669e-03	...	2.100358e-05	4.499637e-06	3.656059e-05
C16	2.155233e-04	...	3.356878e-06	1.977740e-06	4.351701e-06
C17	1.324847e-05	...	3.231491e-06	3.034420e-06	3.316508e-06
C1					

C17	2.847193e-04	...	4.451539e-06	6.248473e-06	4.554638e-06
C18	6.828942e-05	...	6.759394e-06	9.378143e-06	6.577200e-06
C19	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C19	1.107157e-03	...	8.958482e-02	7.316766e-02	8.873195e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.987445e-05	...	1.903020e-04	1.813368e-04	1.854258e-04
C20-21	3.671585e-05	...	2.029706e-05	1.921200e-05	1.979723e-05
C20-21	9.514797e-04	...	1.127582e-06	5.687859e-07	1.177388e-06
C20-21	1.209149e-01	...	1.569830e-05	7.917115e-06	1.640673e-05
C20-21	3.018387e-05	...	2.032841e-05	1.074733e-05	1.956804e-05
C22	6.650279e-03	...	4.805058e-04	2.636036e-04	5.178807e-04
C23	4.135566e-04	...	1.105358e-05	8.069188e-06	1.083424e-05
C23	6.067951e-05	...	2.434809e-06	1.852407e-06	2.398502e-06
C23	3.483505e-06	...	2.110022e-06	1.676894e-06	2.082281e-06
C23	8.964221e-07	...	7.056253e-07	5.781212e-07	7.011351e-07
C23	3.770924e-05	...	1.379785e-05	9.048826e-06	1.369351e-05
C23	3.159846e-06	...	2.540910e-06	2.052489e-06	2.531175e-06
C23	4.856377e-05	...	9.178966e-06	9.707107e-06	9.126359e-06
C24	2.016824e-07	...	8.140695e-05	5.092162e-05	7.963630e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.932972e-06	...	2.992906e-06	6.933656e-07	3.271431e-06
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.096831e-05	...	4.538823e-07	1.004044e-07	5.512382e-07
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.237553e-05	...	1.511600e-07	1.871111e-07	1.405787e-07
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.575285e-05	...	3.231555e-07	2.075344e-07	2.946887e-07
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.863391e-07	...	1.219205e-09	1.932474e-09	1.150969e-09
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.789020e-06	...	3.044793e-06	1.774893e-06	2.704248e-06
C25_33	1.037074e-03	...	8.386107e-05	4.210412e-05	8.276466e-05
C25	6.373497e-04	...	4.971963e-04	1.622567e-04	4.983041e-04
C26	6.878436e-07	...	5.654535e-06	3.594424e-06	6.319977e-06
C27	4.246137e-03	...	1.439195e-03	8.229237e-04	1.299924e-03
C27	1.783656e-04	...	6.153673e-05	3.486716e-05	5.569846e-05
C28_32	2.427113e-04	...	7.845220e-05	4.433615e-05	7.637989e-05
C29	2.307952e-05	...	3.734243e-04	2.680224e-04	3.807131e-04
C30	3.758924e-04	...	2.011348e-03	1.426100e-03	2.037916e-03
C31	1.242362e-02	...	2.612386e-04	1.720972e-04	2.583445e-04
E37-39	1.384803e-05	...	3.081752e-06	2.039278e-06	2.893646e-06
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.275028e-10	...	3.273922e-12	2.432705e-10	3.492081e-12
D35	9.727724e-08	...	8.998473e-09	7.768872e-08	8.546322e-09
D35	3.998606e-07	...	3.858935e-08	3.263342e-07	3.669494e-08
D35	1.453327e-08	...	7.501213e-08	3.069297e-08	1.315970e-07
D35	3.258441e-09	...	3.457979e-11	2.476461e-09	3.846259e-11
D35	2.098093e-08	...	2.032517e-09	1.715270e-08	1.932937e-09

D35	7.741216e-10	...	1.153675e-11	5.538954e-10	1.165029e-11
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.558882e-08	...	1.498285e-09	1.269311e-08	1.424588e-09
D35	7.624011e-07	...	7.407776e-08	6.237609e-07	7.045338e-08
D35	1.535210e-07	...	1.508060e-08	1.261991e-07	1.434688e-08
D35	3.856010e-08	...	2.049502e-07	1.395709e-07	1.948880e-07
E36	1.931865e-07	...	3.053227e-05	2.108808e-05	2.855498e-05
F	5.379189e-04	...	1.120897e-05	3.257307e-06	1.204371e-05
F	1.889936e-07	...	5.594434e-08	5.080762e-08	5.622360e-08
G45	1.792718e-04	...	1.018355e-05	1.207579e-05	1.017281e-05
G47	1.615618e-05	...	1.858895e-05	1.633900e-05	1.878629e-05
G46	5.663320e-03	...	2.727093e-02	2.144192e-02	2.717480e-02
G47	5.765496e-03	...	1.164295e-03	9.693268e-04	1.172987e-03
I	3.745975e-04	...	5.399807e-06	1.996199e-04	5.587931e-06
H49	4.309139e-03	...	9.284773e-04	3.315907e-06	1.229309e-03
H49	2.049695e-02	...	3.032929e-03	7.790096e-04	3.282973e-03
H49	1.141983e-05	...	1.852569e-05	1.109763e-05	1.788159e-05
H50	4.221014e-05	...	8.146843e-05	7.393266e-05	7.978749e-05
H50	1.112368e-04	...	1.680325e-09	4.744409e-07	1.383928e-09
H51	9.068677e-05	...	1.098409e-02	9.277309e-03	1.089520e-02
H52	1.477053e-02	...	2.421104e-05	6.496854e-06	2.716174e-05
H53	8.831080e-04	...	2.265106e-04	3.238194e-05	2.866527e-04
K64	2.386454e-03	...	3.514054e-07	1.918426e-07	3.090039e-07
K65	2.892616e-05	...	6.369684e-10	1.409771e-10	9.316182e-10
K66	4.535869e-07	...	2.787072e-08	1.514077e-08	3.038034e-08
L68	4.769122e-04	...	8.985383e-06	3.223711e-06	9.756712e-06
M_N	9.012249e-04	...	8.798337e-05	5.021425e-05	7.873572e-05
J62_63	2.860288e-05	...	3.417546e-06	8.842300e-07	5.307141e-06
M_N	1.380949e-07	...	1.220780e-06	7.742366e-07	1.332581e-06
M_N	4.334343e-03	...	7.539605e-06	4.021506e-06	7.471977e-06
O84	1.095036e-04	...	1.675071e-08	9.011191e-09	1.493287e-08
P85	1.965889e-06	...	5.271430e-07	1.900044e-06	5.242255e-07
M_N	7.527744e-07	...	1.660338e-06	2.127540e-06	1.649206e-06
E37-39	8.129659e-12	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	6.891851e-12	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.693237e-05	...	1.243555e-06	5.748334e-07	1.780646e-06
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	5.260208e-08	...	4.996624e-07	1.415163e-07	8.802770e-07
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	9.069980e-07	...	2.676885e-07	1.586758e-07	3.661837e-07
E37-39	8.326812e-06	...	2.737892e-06	1.440335e-06	3.430264e-06

	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.920805e-06	...	4.220858e-07	2.856582e-07	3.921286e-07
	E37-39	5.754989e-06	...	1.726759e-06	1.048676e-06	1.590767e-06
	E37-39	9.702984e-06	...	1.301107e-06	9.379819e-07	1.220053e-06
	E37-39	6.055044e-06	...	8.943958e-07	5.970426e-07	8.528550e-07
	E37-39	4.620149e-07	...	2.254025e-04	1.566106e-04	2.091186e-04
	E37-39	3.880743e-05	...	6.518035e-06	4.184134e-06	7.352700e-06
	E37-39	1.034731e-06	...	2.790629e-07	1.891335e-07	2.575218e-07
	E37-39	1.195501e-06	...	3.312963e-07	2.195131e-07	3.182915e-07
	R_S	8.816989e-06	...	3.703132e-09	1.521946e-09	3.879428e-09
	R_S	8.443678e-05	...	3.751436e-06	3.538802e-06	3.730140e-06
	R_S	5.855776e-07	...	5.272808e-08	8.316093e-09	4.828277e-08
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
LU	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.114350e-03	...	3.249970e-04	2.163808e-04	3.308583e-04
	A01	8.337090e-04	...	2.587142e-04	1.602538e-04	2.659019e-04
	A01	6.475339e-05	...	1.639973e-03	1.161944e-03	1.664431e-03
	A01	0.000000e+00	...	6.006770e-05	3.451617e-05	6.197899e-05
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	4.984217e-05	...	1.466812e-03	4.908522e-04	1.584279e-03
	A01	0.000000e+00	...	3.413870e-05	1.144397e-09	4.026879e-05
	A01	0.000000e+00	...	5.515542e-06	1.848919e-10	6.505936e-06
	A01	0.000000e+00	...	7.347038e-07	2.462873e-11	8.666303e-07
	A01	1.168177e-05	...	1.853835e-05	1.303255e-05	1.881461e-05
	A01	1.308461e-05	...	2.072563e-05	1.460650e-05	2.102038e-05
	A01	0.000000e+00	...	1.331054e-04	1.678809e-09	1.570064e-04
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0.000000e+00	...	2.795349e-07	1.032511e-08	3.501396e-07
	A03	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	3.798377e-05	...	8.364266e-05	3.032370e-05	8.941053e-05
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

C10-12	1.568005e-06	...	2.942757e-04	2.081217e-04	2.968891e-04
C10-12	2.228115e-06	...	5.022162e-04	3.552216e-04	5.066686e-04
C10-12	2.945043e-06	...	7.655443e-05	2.305013e-05	1.293940e-04
C10-12	2.732808e-07	...	3.645776e-03	2.601031e-03	3.676778e-03
C10-12	6.724763e-04	...	2.080858e-03	1.402014e-03	2.182173e-03
C10-12	1.297567e-03	...	1.320498e-04	7.613691e-05	1.342675e-04
C10-12	9.814189e-10	...	1.334525e-04	9.522063e-05	1.346118e-04
C10-12	1.241791e-06	...	1.632684e-03	7.965659e-05	1.884173e-03
C10-12	9.237881e-05	...	1.430568e-02	9.249673e-03	1.457301e-02
C10-12	8.588309e-06	...	2.743804e-03	1.024469e-03	2.877238e-03
C10-12	7.670267e-05	...	1.661184e-05	1.374174e-06	1.738399e-05
C10-12	9.516841e-05	...	1.953327e-03	8.753125e-04	1.986856e-03
C13-15	1.673342e-03	...	2.090463e-02	1.774139e-02	2.025665e-02
C13-15	0.000000e+00	...	1.019114e-08	4.024306e-07	1.288524e-08
C13-15	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C16	3.522605e-04	...	5.378899e-06	6.574747e-07	8.086642e-06
C16	5.121575e-05	...	7.840652e-07	9.594382e-08	1.177841e-06
C17	2.503499e-06	...	4.272220e-04	3.447737e-04	4.257536e-04
C17	8.640461e-07	...	1.294787e-04	1.012238e-04	1.295700e-04
C17	2.501208e-04	...	6.640036e-04	2.676402e-04	7.092646e-04
C18	1.713316e-05	...	7.498920e-03	3.125992e-03	7.882710e-03
C19	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C19	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.703490e-07	...	2.338532e-04	1.654160e-04	2.323887e-04
C20-21	1.018145e-06	...	7.015319e-02	6.800735e-02	6.817529e-02
C20-21	6.791897e-07	...	1.649540e-07	1.251672e-07	1.849000e-07
C20-21	1.008384e-07	...	1.303407e-05	1.548225e-06	1.389674e-05
C20-21	2.222468e-06	...	5.751975e-04	3.111282e-04	5.528848e-04
C22	9.426808e-03	...	2.521217e-03	3.599043e-04	3.140243e-03
C23	2.745881e-07	...	1.035635e-08	1.198323e-07	9.827454e-09
C23	5.686483e-07	...	1.117814e-06	8.935369e-07	1.135871e-06
C23	6.281250e-05	...	8.079221e-05	6.538633e-05	8.210993e-05
C23	9.572305e-06	...	3.772120e-05	2.873217e-05	3.970581e-05
C23	2.227192e-06	...	9.329299e-06	7.297955e-06	9.575836e-06
C23	8.556161e-06	...	3.656984e-05	2.847796e-05	3.754903e-05
C23	6.484831e-04	...	1.378075e-04	1.494199e-04	1.406656e-04
C24	1.889211e-06	...	6.115482e-04	3.837715e-04	5.991043e-04
C24	1.513285e-06	...	2.012817e-02	1.279858e-02	1.979291e-02
C24	4.069898e-05	...	1.128364e-02	2.875492e-03	1.230195e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.584879e-05	...	1.737869e-03	1.228379e-03	1.769701e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.747515e-05	...	2.859661e-02	5.630977e-03	3.178532e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.704650e-11	...	3.311483e-07	1.276514e-09	3.850743e-07
C24	5.553624e-05	...	1.480429e-03	1.045030e-03	2.101017e-03
C24	2.037414e-05	...	2.583674e-04	1.810429e-04	2.642377e-04

C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	2.737862e-03	...	9.229154e-04	7.320437e-04	9.300585e-04
C25	1.602845e-04	...	5.492624e-03	5.919694e-04	5.746440e-03
C26	2.879974e-06	...	2.655542e-05	2.615460e-06	2.903554e-05
C27	1.822570e-06	...	7.673012e-03	4.480913e-03	6.812146e-03
C27	2.980314e-08	...	1.168105e-04	1.454789e-06	1.379459e-04
C28_32	8.727107e-04	...	3.428467e-04	2.907538e-04	3.630127e-04
C29	0.000000e+00	...	1.145463e-02	5.792789e-03	1.193802e-02
C30	8.618798e-05	...	4.820839e-03	3.423974e-03	4.884519e-03
C31	1.840573e-07	...	5.212480e-05	3.245940e-05	4.892348e-05
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.258057e-03	...	1.054574e-04	4.384963e-05	1.134361e-04
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	7.369395e-05	...	5.149392e-07	3.958997e-07	5.315363e-07
D35	5.335302e-05	...	3.043002e-07	2.136300e-07	3.178830e-07
D35	1.150962e-05	...	2.148438e-05	3.564251e-09	2.534220e-05
D35	6.883216e-05	...	1.820655e-06	6.382746e-07	1.986931e-06
D35	3.902137e-05	...	5.612874e-08	4.823397e-08	5.725753e-08
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.741704e-06	...	5.077570e-06	2.266790e-06	5.458274e-06
D35	8.234271e-06	...	3.547101e-05	1.821893e-05	3.782638e-05
D35	1.005586e-05	...	2.087905e-05	7.025176e-06	2.276571e-05
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E36	6.046542e-06	...	1.860458e-07	1.143248e-07	1.978942e-07
F	2.793027e-04	...	1.346487e-04	1.241124e-04	1.350935e-04
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.057338e-04	...	4.512679e-04	5.059527e-04	4.480796e-04
G47	7.206866e-04	...	1.801592e-03	1.569027e-03	1.825006e-03
G46	5.562894e-03	...	4.409288e-02	4.164032e-02	4.432228e-02
G47	9.689468e-04	...	2.118310e-02	2.016924e-02	2.108198e-02
I	6.642895e-04	...	1.202886e-04	6.338621e-04	1.201555e-04
H49	2.330131e-03	...	1.147079e-03	4.302091e-05	1.505446e-03
H49	5.160477e-03	...	3.322045e-03	9.255862e-04	3.587143e-03
H49	1.216876e-04	...	9.054915e-05	5.753385e-05	8.731694e-05
H50	8.765337e-05	...	2.311248e-03	2.097460e-03	2.263560e-03
H50	2.053619e-05	...	4.466463e-10	1.791247e-08	4.404397e-10
H51	2.854696e-03	...	1.323642e-02	1.095636e-02	1.317517e-02
H52	3.624286e-03	...	1.022876e-03	9.251769e-04	1.005603e-03
H53	5.046676e-04	...	1.936244e-03	2.436004e-04	2.591166e-03
K64	3.899056e-01	...	1.680994e-04	9.193850e-05	1.475695e-04
K65	6.999307e-03	...	1.066460e-08	2.991422e-10	2.012604e-08
K66	3.566993e-05	...	1.940751e-05	1.055509e-05	2.115278e-05

	L68	9.603215e-04	...	7.200673e-05	7.134707e-05	7.233230e-05
	M_N	1.920323e-03	...	1.564977e-04	1.472735e-04	1.573870e-04
	J62_63	1.203615e-04	...	1.508170e-04	1.392609e-04	1.526098e-04
	M_N	2.279956e-06	...	2.343378e-05	2.222869e-06	2.454464e-05
	M_N	3.976733e-03	...	4.439778e-04	4.476201e-05	4.615422e-04
	O84	1.930589e-05	...	2.548242e-06	1.002994e-06	2.625292e-06
	P85	2.164646e-05	...	4.403730e-06	6.016535e-06	4.403946e-06
	M_N	9.832545e-06	...	3.987968e-05	4.214691e-05	3.963967e-05
	E37-39	6.391163e-06	...	8.848567e-06	3.777607e-06	1.386587e-05
	E37-39	5.020793e-06	...	9.342002e-06	3.970357e-06	1.441519e-05
	E37-39	2.219595e-06	...	6.053395e-06	2.678787e-06	7.769377e-06
	E37-39	4.263908e-05	...	2.155007e-05	7.790647e-06	3.290297e-05
	E37-39	1.125236e-06	...	1.949595e-06	8.898695e-07	3.069139e-06
	E37-39	1.332813e-06	...	3.766158e-06	1.587167e-06	5.998190e-06
	E37-39	1.579269e-06	...	1.138230e-05	3.353163e-06	1.960412e-05
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	8.128076e-06	...	6.715577e-05	3.095907e-05	8.781573e-05
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	2.016363e-06	...	3.427187e-06	1.907003e-06	3.272577e-06
	E37-39	3.918808e-06	...	1.082288e-05	5.755434e-06	1.062230e-05
	E37-39	2.304045e-06	...	3.240018e-06	1.951134e-06	3.064665e-06
	E37-39	1.591350e-06	...	3.005597e-06	1.692478e-06	2.939528e-06
	E37-39	9.249446e-07	...	5.080908e-04	3.529764e-04	4.714204e-04
	E37-39	1.022154e-06	...	2.024199e-06	1.151797e-06	2.412331e-06
	E37-39	4.086654e-07	...	3.580140e-07	2.142114e-07	3.473006e-07
	E37-39	5.838902e-07	...	7.330440e-07	4.347871e-07	7.230581e-07
	R_S	2.136509e-06	...	2.258943e-07	3.396790e-07	2.541059e-07
	R_S	8.399800e-04	...	1.696790e-04	1.598453e-04	1.698675e-04
	R_S	2.871038e-05	...	1.103951e-04	1.042089e-04	1.096613e-04
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
LV	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.945910e-04	...	1.451642e-01	1.152322e-01	1.443004e-01
	A01	8.421114e-04	...	1.392384e-02	1.120653e-02	1.383589e-02
	A01	2.403450e-05	...	3.663319e-02	2.595512e-02	3.717951e-02
	A01	6.159600e-09	...	4.646616e-08	2.917778e-08	4.711638e-08
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.134655e-02	...	1.064447e-03	3.220803e-04	1.152403e-03
	A01	1.479492e-05	...	4.604401e-07	1.928942e-08	5.380335e-07
	A01	1.561222e-05	...	4.888787e-07	2.224798e-08	5.707986e-07
	A01	1.351956e-05	...	4.154420e-07	1.428046e-08	4.862783e-07
	A01	3.005277e-06	...	1.915056e-07	1.758371e-06	2.201137e-07
	A01	1.805619e-05	...	3.524665e-07	2.613640e-06	3.952729e-07
	A01	3.776033e-05	...	1.986072e-06	5.395202e-08	2.328482e-06
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A02	3.191027e-05	...	1.537822e-05	1.137488e-05	1.613300e-05
A03	4.783674e-05	...	1.511534e-05	4.110714e-06	1.606003e-05
B_nongas	1.049580e-02	...	1.436882e-03	1.071026e-04	1.334805e-03
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	2.442166e-10	...	1.871148e-07	1.784604e-07	1.857894e-07
B_nongas	7.322792e-10	...	5.610604e-07	5.351103e-07	5.570863e-07
B_nongas	1.280844e-03	...	7.022531e-05	4.848544e-05	6.860645e-05
C10-12	1.714357e-04	...	5.209883e-05	3.715480e-05	5.250187e-05
C10-12	5.175378e-04	...	1.590796e-04	1.134888e-04	1.603624e-04
C10-12	3.042111e-04	...	8.339266e-05	5.798443e-05	8.436387e-05
C10-12	2.762361e-03	...	8.460488e-04	6.024667e-04	8.529345e-04
C10-12	1.197664e-05	...	5.101155e-06	3.753292e-06	5.249622e-06
C10-12	2.907079e-03	...	2.730876e-04	1.930928e-04	2.748154e-04
C10-12	1.191077e-06	...	4.507884e-07	3.557975e-07	4.405591e-07
C10-12	1.436347e-04	...	3.294838e-05	2.071346e-05	3.379463e-05
C10-12	5.853349e-03	...	2.040893e-03	1.212170e-03	2.086928e-03
C10-12	2.579470e-03	...	1.419986e-03	4.189150e-04	1.502701e-03
C10-12	1.466652e-02	...	8.063562e-05	5.338192e-05	8.165353e-05
C10-12	1.236907e-04	...	1.330881e-04	5.344415e-05	1.337774e-04
C13-15	7.780203e-04	...	1.920431e-03	1.602358e-03	1.863815e-03
C13-15	8.343888e-05	...	2.386056e-04	2.025878e-04	2.312925e-04
C13-15	2.323924e-06	...	2.613696e-06	2.221813e-06	3.063076e-06
C16	2.300251e-03	...	2.056696e-04	1.204084e-04	2.377009e-04
C16	2.913122e-06	...	1.032573e-07	6.622766e-08	1.264055e-07
C17	9.570002e-09	...	1.239084e-07	1.171082e-07	1.245563e-07
C17	2.652234e-10	...	3.369934e-09	3.181200e-09	3.386875e-09
C17	1.390243e-05	...	7.762686e-07	1.826204e-06	7.792165e-07
C18	8.589380e-06	...	6.077418e-06	4.773507e-06	6.033023e-06
C19	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C19	5.790505e-08	...	2.723858e-03	2.135787e-03	2.660888e-03
C24	9.890699e-09	...	1.280620e-07	1.210339e-07	1.287316e-07
C20-21	6.385498e-08	...	1.198100e-04	1.161205e-04	1.164620e-04
C20-21	7.727178e-08	...	8.342416e-05	8.084094e-05	8.110869e-05
C20-21	3.162117e-08	...	4.214024e-07	3.982378e-07	4.234640e-07
C20-21	5.996512e-04	...	6.529051e-05	6.167116e-05	6.561985e-05
C20-21	3.982887e-08	...	1.295478e-05	8.354911e-06	1.292129e-05

C22	3.309705e-04	...	7.202639e-04	5.017418e-04	7.287987e-04
C23	4.028878e-05	...	5.096832e-06	3.847003e-06	4.930798e-06
C23	2.333160e-07	...	6.396817e-07	5.402417e-07	6.194032e-07
C23	2.845933e-05	...	3.798682e-06	2.989280e-06	3.695722e-06
C23	4.335025e-06	...	8.131686e-06	6.874229e-06	7.891725e-06
C23	9.050077e-05	...	1.779459e-04	1.499731e-04	1.727941e-04
C23	3.625044e-06	...	6.826864e-06	5.759183e-06	6.629361e-06
C23	1.763142e-04	...	4.743550e-05	4.026268e-05	4.601915e-05
C24	1.528428e-05	...	2.490644e-03	1.560086e-03	2.436780e-03
C24	4.348928e-08	...	7.076100e-06	4.433844e-06	6.923205e-06
C24	2.546847e-11	...	3.297587e-10	3.116614e-10	3.314828e-10
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.465346e-07	...	6.208081e-07	5.365744e-07	6.247086e-07
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.679899e-07	...	1.457605e-04	2.641845e-05	1.624272e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.080917e-06	...	1.526045e-06	1.318985e-06	1.535633e-06
C24	2.928532e-09	...	2.982433e-09	2.775734e-09	2.997430e-09
C24	6.731771e-08	...	4.880077e-08	4.217788e-08	4.912713e-08
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	7.496424e-04	...	4.950943e-05	3.316481e-05	4.917241e-05
C25	7.376028e-05	...	1.854008e-04	4.921329e-05	1.899814e-04
C26	5.538688e-04	...	1.944024e-05	1.524933e-05	2.014198e-05
C27	3.648181e-04	...	1.240032e-03	7.269383e-04	1.102100e-03
C27	1.333536e-05	...	6.967949e-04	8.293289e-06	8.075595e-04
C28_32	5.002722e-06	...	1.076612e-05	8.322883e-06	1.114530e-05
C29	6.265342e-06	...	3.261906e-04	2.333325e-04	3.331236e-04
C30	5.592351e-06	...	3.280026e-04	2.296398e-04	3.320260e-04
C31	4.077709e-03	...	3.825207e-05	2.311628e-05	3.598408e-05
E37-39	5.170427e-06	...	1.467473e-05	1.243197e-05	1.463831e-05
E37-39	2.249880e-05	...	2.338467e-04	1.796446e-04	2.291706e-04
D35	9.279774e-07	...	1.283095e-08	4.154991e-10	2.909031e-08
D35	7.289881e-06	...	5.585956e-06	3.567131e-06	5.837354e-06
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.650826e-06	...	4.329862e-06	2.765018e-06	4.524727e-06
D35	1.040964e-07	...	7.965717e-08	5.084270e-08	8.335197e-08
D35	4.922628e-08	...	3.601815e-08	2.329153e-08	3.765377e-08
D35	2.157329e-07	...	1.038104e-07	6.625810e-08	1.086264e-07
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.128433e-06	...	1.323678e-06	8.453178e-07	1.383249e-06
D35	1.813958e-05	...	8.827493e-06	5.363419e-06	9.789993e-06
D35	3.661246e-06	...	2.805314e-06	1.791459e-06	2.931568e-06
D35	5.076631e-07	...	3.858876e-07	2.460706e-07	4.040104e-07

E36	2.410165e-06	...	2.723640e-05	1.809343e-05	2.601923e-05
F	3.554438e-04	...	1.036860e-04	7.093879e-05	1.073170e-04
F	1.412780e-07	...	3.938274e-08	2.986436e-08	4.028471e-08
G45	2.802359e-05	...	2.443254e-05	2.813163e-05	2.460328e-05
G47	1.505811e-05	...	8.107853e-05	7.086134e-05	8.203585e-05
G46	5.854172e-04	...	3.591617e-03	2.928410e-03	3.569265e-03
G47	5.264097e-04	...	2.087743e-03	1.902594e-03	2.092245e-03
I	5.350737e-04	...	2.396835e-04	1.354119e-03	2.469993e-04
H49	7.276502e-03	...	1.315551e-03	1.805359e-06	1.742746e-03
H49	6.449658e-03	...	4.493316e-03	1.146958e-03	4.864534e-03
H49	4.421659e-06	...	5.124095e-05	3.007142e-05	4.916691e-05
H50	5.681132e-04	...	2.412147e-03	2.188964e-03	2.362390e-03
H50	3.565390e-06	...	3.093959e-09	2.722396e-07	2.933891e-09
H51	1.323248e-04	...	2.543935e-02	2.148628e-02	2.523349e-02
H52	5.142843e-03	...	1.187245e-04	9.081701e-05	1.199316e-04
H53	4.064828e-06	...	4.494920e-04	2.415297e-06	6.218855e-04
K64	1.613154e-05	...	9.507496e-07	5.199939e-07	8.346208e-07
K65	6.894744e-04	...	5.829570e-10	0.000000e+00	1.125519e-09
K66	4.395977e-07	...	5.774097e-08	3.140339e-08	6.293349e-08
L68	3.306831e-05	...	4.714442e-06	4.688979e-06	4.649850e-06
M_N	2.106304e-04	...	5.535708e-06	4.186339e-06	5.525176e-06
J62_63	3.656537e-06	...	5.922808e-06	5.161704e-06	6.065435e-06
M_N	5.013711e-06	...	1.088787e-07	5.738872e-08	1.174257e-07
M_N	1.425317e-03	...	1.762613e-05	1.379769e-05	1.759949e-05
O84	9.414629e-09	...	0.000000e+00	0.000000e+00	0.000000e+00
P85	5.927981e-08	...	9.760828e-08	2.291592e-07	1.027236e-07
M_N	5.779611e-08	...	1.710001e-06	1.570970e-06	1.705054e-06
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	4.027903e-15	...	7.457239e-10	3.022967e-10	1.288436e-09
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.097877e-05	...	5.049630e-07	1.827624e-07	7.915868e-07
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.638291e-07	...	1.397382e-07	6.342889e-08	2.308251e-07
E37-39	4.911519e-07	...	7.884560e-07	2.367371e-07	1.371167e-06
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	5.536129e-06	...	1.130433e-05	5.310447e-06	1.483417e-05
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	4.933971e-06	...	2.180386e-06	1.342380e-06	1.988603e-06
E37-39	8.087366e-06	...	4.133778e-06	2.385460e-06	3.960980e-06
E37-39	1.513765e-05	...	6.469565e-06	4.248682e-06	5.854052e-06
E37-39	1.000151e-05	...	5.298832e-06	3.232069e-06	5.016653e-06
E37-39	9.431132e-07	...	2.987766e-04	2.075928e-04	2.771923e-04
E37-39	1.953633e-06	...	1.729951e-06	1.010880e-06	2.064812e-06
E37-39	2.136069e-06	...	9.725990e-07	6.400774e-07	8.887470e-07
E37-39	2.555637e-06	...	1.343058e-06	8.528667e-07	1.288214e-06
R_S	1.261479e-05	...	1.572409e-08	3.447518e-08	1.757582e-08

MT	R_S	6.475012e-06	...	4.261177e-06	1.059906e-05	4.269618e-06
	R_S	2.601265e-06	...	1.986358e-06	1.687653e-06	1.973714e-06
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.622039e-09	...	5.159497e-10	2.732013e-10	4.953181e-10
	A01	3.066108e-07	...	3.764454e-04	3.031751e-04	3.740124e-04
	A01	2.958200e-05	...	5.486109e-04	3.887035e-04	5.567913e-04
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	4.658652e-07	...	2.435399e-04	1.031332e-04	2.540219e-04
	A01	3.960448e-10	...	5.893565e-05	1.433213e-10	6.951833e-05
	A01	5.055294e-09	...	3.215962e-05	7.050517e-10	3.793404e-05
	A01	3.481156e-09	...	4.427333e-05	4.853111e-10	5.222304e-05
	A01	1.372553e-06	...	5.058536e-04	3.039060e-04	5.238260e-04
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	4.649900e-09	...	4.254564e-05	9.432607e-09	5.018317e-05
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A03	0.000000e+00	...	1.842138e-03	1.275517e-03	1.862425e-03
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	7.942552e-07	...	1.670583e-07	6.843246e-06	1.823915e-07
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	2.920314e-07	...	1.588550e-05	1.143421e-05	1.601729e-05
	C10-12	2.219019e-07	...	1.012422e-04	7.226228e-05	1.021017e-04
	C10-12	8.689704e-07	...	2.275201e-06	1.996982e-06	2.283034e-06
	C10-12	9.395820e-08	...	2.563280e-04	1.713382e-04	2.612840e-04
	C10-12	1.296786e-08	...	7.471685e-05	1.110683e-08	1.302117e-04
	C10-12	3.006664e-06	...	9.884951e-06	8.725350e-06	9.919616e-06
	C10-12	8.940088e-12	...	1.245137e-12	4.769571e-13	1.395180e-12
	C10-12	0.000000e+00	...	3.032896e-07	1.478214e-08	3.500530e-07
	C10-12	3.612229e-06	...	2.105535e-02	1.488927e-02	2.125050e-02
	C10-12	1.511959e-06	...	1.634513e-03	1.096063e-03	1.656835e-03

C10-12	1.222882e-04	...	8.895489e-06	8.283869e-06	8.942797e-06
C10-12	1.617905e-09	...	4.525968e-04	5.360495e-05	4.639490e-04
C13-15	7.469443e-05	...	1.167385e-04	9.887539e-05	1.132772e-04
C13-15	2.005015e-06	...	8.508797e-06	2.379502e-06	9.443176e-06
C13-15	1.323576e-07	...	4.663779e-06	4.443677e-06	1.649207e-05
C16	3.032017e-05	...	1.365385e-06	1.140513e-06	1.386928e-06
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	9.864349e-10	...	7.301160e-05	6.687372e-05	7.144723e-05
C17	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	4.251316e-06	...	3.663155e-06	3.237288e-06	3.718829e-06
C18	7.185291e-07	...	1.773209e-05	2.016298e-05	1.758852e-05
C19	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C19	0.000000e+00	...	1.264390e-04	9.881567e-05	1.235503e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	5.996755e-06	...	1.647504e-03	1.571627e-03	1.609444e-03
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	3.115604e-04	...	7.118423e-08	5.925057e-08	7.344281e-08
C20-21	2.501121e-05	...	1.251527e-04	3.195734e-05	1.515563e-04
C22	7.306600e-05	...	2.633320e-04	1.330733e-05	3.346810e-04
C23	4.757066e-07	...	7.470059e-07	6.970048e-07	7.473132e-07
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	3.166020e-06	...	6.945234e-06	6.300785e-06	6.910593e-06
C23	5.535516e-08	...	1.261173e-07	8.618889e-08	1.437122e-07
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	4.410496e-06	...	1.096867e-05	1.316069e-04	1.134499e-05
C24	0.000000e+00	...	1.391142e-05	8.702020e-06	1.360907e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	9.935716e-10	4.568529e-11	1.337586e-09
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	1.781871e-05	3.219232e-06	1.985779e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	1.406510e-10	1.170400e-10	3.080883e-07
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	1.043527e-05	...	9.298348e-06	9.310683e-06	9.459701e-06
C25	1.499621e-07	...	4.029525e-04	3.288357e-05	4.215549e-04
C26	4.848791e-05	...	3.102407e-07	8.685529e-08	4.966184e-07
C27	2.757746e-03	...	1.683681e-03	9.790508e-04	1.497184e-03
C27	7.822327e-05	...	1.050351e-04	2.408809e-05	1.080955e-04
C28_32	5.328173e-05	...	4.403048e-05	1.341070e-05	4.523982e-05
C29	4.198659e-07	...	5.600990e-05	4.156311e-05	5.704579e-05
C30	5.099160e-07				

C31	2.376960e-03	...	4.357899e-05	3.567503e-05	4.221465e-05
E37-39	2.378323e-06	...	1.141355e-05	2.317010e-06	1.297228e-05
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.073407e-09	...	1.078194e-06	8.803255e-08	1.127903e-06
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	8.169373e-09	...	4.248165e-06	3.468549e-07	4.444024e-06
D35	3.617331e-08	...	1.881051e-05	1.535844e-06	1.967776e-05
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E36	1.066565e-07	...	1.362754e-09	5.697171e-10	1.490740e-09
F	3.199893e-04	...	9.637818e-05	1.667783e-04	9.531370e-05
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	8.788092e-05	...	6.440787e-05	7.637580e-05	6.426835e-05
G47	5.694365e-05	...	4.880642e-05	4.293457e-05	4.935202e-05
G46	1.606742e-03	...	4.079975e-03	3.238981e-03	4.163324e-03
G47	1.339884e-04	...	4.942712e-03	4.693628e-03	4.913488e-03
I	9.587224e-04	...	1.497188e-04	3.051210e-04	1.602001e-04
H49	4.059289e-04	...	4.984358e-03	1.166809e-06	6.605453e-03
H49	1.300895e-03	...	9.367865e-03	2.388411e-03	1.014228e-02
H49	1.495308e-06	...	2.041298e-04	1.195810e-04	1.957475e-04
H50	7.595544e-05	...	4.804467e-04	4.364030e-04	4.705339e-04
H50	8.273141e-06	...	1.314323e-08	3.656266e-06	1.089384e-08
H51	1.616326e-04	...	2.448980e-02	2.066768e-02	2.429425e-02
H52	1.349858e-03	...	8.568440e-04	5.821817e-04	8.817695e-04
H53	9.777232e-04	...	3.208221e-03	1.589429e-06	4.456922e-03
K64	2.752978e-01	...	6.709279e-06	3.665651e-06	5.905312e-06
K65	4.511865e-04	...	3.140389e-08	7.111118e-09	4.559424e-08
K66	2.475162e-04	...	1.006912e-06	5.445718e-07	1.097715e-06
L68	2.901177e-04	...	4.030276e-07	7.794470e-07	4.406931e-07
M_N	2.655900e-03	...	6.572868e-04	1.741108e-04	7.398440e-04
J62_63	4.859283e-05	...	3.725887e-06	1.421659e-06	4.188624e-06
M_N	7.633234e-08	...	8.783844e-07	4.515101e-07	9.867350e-07
M_N	3.451932e-02	...	8.805737e-06	1.345552e-06	1.108928e-05
O84	9.814050e-05	...	5.225325e-05	3.677006e-05	4.900392e-05
P85	1.196275e-04	...	6.428215e-05	5.944156e-05	6.501534e-05
M_N	2.402560e-05	...	9.037158e-06	7.653096e-06	8.971627e-06
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	4.784368e-05	...	3.559419e-06	1.402579e-06	5.485049e-06
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.857072e-08	...	9.639227e-07	2.765998e-07	1.695545e-06
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.483022e-06	...	5.305352e-06	2.488398e-06	6.976336e-06
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.403023e-06	...	3.625305e-06	2.459275e-06	3.355587e-06
	E37-39	1.159936e-06	...	8.671332e-06	5.352626e-06	8.344612e-06
	E37-39	2.280615e-06	...	1.785223e-05	1.262990e-05	1.638054e-05
	E37-39	1.834288e-06	...	1.359431e-05	9.015797e-06	1.296640e-05
	E37-39	1.555401e-06	...	1.076996e-03	7.483571e-04	9.992023e-04
	E37-39	2.108945e-07	...	8.613268e-06	5.248309e-06	1.020520e-05
	E37-39	1.143205e-06	...	3.376191e-06	2.620161e-06	3.187410e-06
	E37-39	1.327334e-06	...	4.607651e-06	3.466460e-06	4.477513e-06
	R_S	8.233953e-06	...	4.485754e-07	4.197873e-07	4.606766e-07
	R_S	5.188158e-04	...	1.245169e-05	1.123639e-05	1.250644e-05
	R_S	1.570879e-04	...	4.614314e-05	4.309498e-05	4.573290e-05
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
NL	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	5.094621e-03	...	2.131930e-04	1.179865e-04	2.215268e-04
	A01	5.624898e-03	...	2.160060e-02	1.738618e-02	2.146395e-02
	A01	6.945713e-03	...	1.179880e-01	8.359614e-02	1.197476e-01
	A01	3.502956e-10	...	3.847250e-03	2.210711e-03	3.969665e-03
	A01	5.195579e-09	...	3.499535e-09	1.340518e-09	3.921243e-09
	A01	2.298949e-10	...	1.487582e-09	8.334838e-10	1.735079e-10
	A01	2.813414e+00	...	6.030347e-02	1.890609e-02	6.535401e-02
	A01	2.052866e-07	...	3.154989e-04	4.972781e-08	3.721436e-04
	A01	1.911847e-07	...	3.101988e-04	4.614370e-08	3.658923e-04
	A01	9.249365e-08	...	1.455716e-04	2.237017e-08	1.717076e-04
	A01	5.139057e-05	...	7.903930e-05	1.928944e-05	8.953665e-05
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	4.009718e-07	...	3.844248e-03	6.398140e-08	4.534528e-03
	A01	5.853298e-10	...	3.942548e-10	1.510217e-10	4.417640e-10
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	6.105909e-06	...	4.430051e-07	1.640910e-08	5.548794e-07
	A03	2.797618e-03	...	1.356616e-03	2.293115e-04	1.466765e-03
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	9.357528e-07	...	4.986389e-08	2.437596e-08	5.198303e-08
	B_gas	3.142359e-05	...	1.033824e-06	3.850795e-07	1.088240e-06
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	8.545946e-09	...	1.642077e-08	1.577443e-08	1.597635e-08
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	4.684938e-06	...	4.050239e-06	3.839979e-06	3.955064e-06
B_nongas	2.906906e-04	...	6.479265e-03	4.469885e-03	6.329575e-03
C10-12	1.439893e-01	...	3.921509e-02	2.799294e-02	3.954658e-02
C10-12	2.753005e-02	...	7.614201e-03	5.473385e-03	7.673374e-03
C10-12	8.450645e-03	...	2.516370e-03	1.692604e-03	2.746147e-03
C10-12	6.929845e-03	...	1.892083e-03	1.351812e-03	1.907951e-03
C10-12	1.589176e-01	...	2.842720e-02	2.000635e-02	2.896263e-02
C10-12	2.288245e-01	...	1.575285e-02	1.123733e-02	1.588561e-02
C10-12	5.252719e-03	...	1.428851e-03	1.019522e-03	1.444979e-03
C10-12	5.153810e-02	...	2.460890e-02	9.725313e-03	2.653540e-02
C10-12	1.705992e+00	...	5.172670e-01	3.030658e-01	5.336517e-01
C10-12	1.050593e-01	...	5.154261e-02	1.911206e-02	5.408339e-02
C10-12	3.500298e-02	...	1.119693e-04	1.079952e-04	1.088810e-04
C10-12	3.446068e-04	...	1.195045e-01	1.415395e-02	1.225020e-01
C13-15	8.315546e-03	...	5.074915e-02	4.294569e-02	4.913919e-02
C13-15	1.404747e-04	...	2.462063e-04	2.033503e-04	2.429814e-04
C13-15	3.281936e-03	...	5.035448e-05	3.161484e-05	3.583686e-04
C16	4.437851e-04	...	6.720186e-05	3.608232e-05	6.556763e-05
C16	2.736061e-03	...	4.632916e-04	2.423257e-04	4.495500e-04
C17	4.903331e-06	...	1.532013e-03	1.401917e-03	1.499337e-03
C17	1.156850e-04	...	1.975487e-02	1.806860e-02	1.933433e-02
C17	1.106856e-02	...	2.240770e-04	2.588499e-04	2.248201e-04
C18	1.091462e-03	...	3.710912e-05	2.766718e-04	4.238285e-05
C19	8.648569e-06	...	7.684174e-05	7.210375e-05	7.457678e-05
C19	2.306441e-02	...	1.471715e+00	1.197935e+00	1.455792e+00
C24	1.603399e-05	...	1.686647e-02	8.332148e-05	1.649881e-02
C20-21	3.144902e-03	...	1.488614e-01	1.295079e-01	1.461846e-01
C20-21	3.473896e-03	...	1.521742e-01	1.324236e-01	1.494878e-01
C20-21	6.591741e-05	...	3.626811e-04	2.876696e-04	3.588727e-04
C20-21	3.541793e-02	...	8.318776e-04	6.595573e-04	8.243093e-04
C20-21	9.025683e-04	...	3.393587e-02	2.417150e-02	3.343933e-02
C22	4.915704e-02	...	9.294894e-03	3.107875e-04	1.182843e-02
C23	9.573569e-04	...	5.434709e-05	3.600059e-05	5.348371e-05
C23	1.319254e-03	...	6.600047e-05	4.349866e-05	6.490809e-05
C23	4.224340e-05	...	6.814836e-05	4.319778e-05	6.493668e-05
C23	2.880295e-05	...	1.253457e-04	8.550001e-05	1.244044e-04
C23	1.927372e-04	...	8.663475e-04	5.804512e-04	8.582636e-04
C23	5.473447e-05	...	2.520909e-04	1.688175e-04	2.497641e-04
C23	1.278780e-03	...	1.781680e-04	1.872304e-04	1.762917e-04
C24	3.651942e-05	...	2.853470e-02	1.789185e-02	2.791896e-02
C24	4.112230e-06	...	5.118098e-03	3.206391e-03	5.007367e-03

C24	1.557552e-05	...	1.129724e-03	3.112729e-04	1.225461e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.877257e-05	...	4.013140e-04	3.010485e-04	3.991756e-04
C24	1.395211e-05	...	6.786540e-05	5.175202e-05	6.797818e-05
C24	7.739211e-05	...	1.322414e-02	2.578426e-03	1.468924e-02
C24	3.461046e-06	...	1.883356e-03	3.515303e-04	2.096456e-03
C24	1.156590e-04	...	8.334098e-04	5.585021e-04	2.124966e-03
C24	2.033564e-08	...	5.203962e-08	3.991280e-08	5.332715e-07
C24	7.364883e-05	...	6.301237e-04	4.755210e-04	6.266893e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.021371e-05	...	5.754890e-04	4.342330e-04	5.708528e-04
C25_33	2.180447e-02	...	3.243235e-03	1.480024e-03	3.320607e-03
C25	9.056445e-03	...	4.575489e-02	6.286786e-03	4.738097e-02
C26	2.381405e-03	...	5.400618e-03	3.763006e-03	5.489943e-03
C27	6.633566e-02	...	6.560015e-02	3.851961e-02	5.844654e-02
C27	3.224124e-03	...	7.656037e-03	2.727217e-03	7.880889e-03
C28_32	1.184609e-02	...	4.952883e-03	3.203628e-03	4.918767e-03
C29	1.706365e-03	...	5.737682e-02	4.052267e-02	5.856293e-02
C30	1.171417e-02	...	1.787000e-01	1.250925e-01	1.812017e-01
C31	1.020735e-01	...	7.580842e-03	1.239817e-03	8.555708e-03
E37-39	3.964403e-03	...	4.924441e-03	1.408700e-03	5.216006e-03
E37-39	2.812288e-05	...	6.066638e-03	3.773526e-03	5.942999e-03
D35	9.816920e-06	...	4.211862e-07	8.174553e-09	5.795112e-07
D35	3.204684e-06	...	1.553963e-06	2.861140e-08	2.138743e-06
D35	1.831144e-06	...	8.397433e-08	1.629390e-09	1.155407e-07
D35	3.321209e-08	...	1.435233e-09	2.719916e-11	1.975341e-09
D35	1.955717e-06	...	5.918587e-08	1.175731e-09	8.142281e-08
D35	1.047882e-06	...	4.805478e-08	9.324276e-10	6.611880e-08
D35	5.633499e-06	...	1.203317e-07	2.468133e-09	1.655098e-07
D35	4.982793e-08	...	6.023525e-10	1.310001e-11	8.283324e-10
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.837764e-06	...	6.854637e-08	1.435447e-09	9.426967e-08
D35	7.148796e-06	...	3.278363e-07	6.361149e-09	4.510715e-07
D35	2.749003e-05	...	1.260664e-06	2.446121e-08	1.734554e-06
D35	5.943233e-07	...	2.881896e-07	5.306116e-09	3.966397e-07
D35	1.940334e-06	...	8.324830e-08	1.615717e-09	1.145416e-07
E36	1.020494e-06	...	2.014110e-08	8.133704e-09	2.257970e-08
F	3.369188e-03	...	2.567795e-03	1.250273e-03	2.412099e-03
F	5.607677e-07	...	1.098211e-06	6.946921e-07	1.062184e-06
G45	3.453242e-03	...	1.487627e-05	5.409419e-05	1.450801e-05
G47	2.291095e-04	...	6.659174e-05	5.804150e-05	6.744976e-05
G46	4.062690e-02	...	3.245777e-01	2.572486e-01	3.216831e-01
G47	1.120326e-02	...	1.330953e-02	1.074715e-02	1.349204e-02
I	2.980167e-03	...	7.798609e-05	1.665879e-02	7.515017e-05
H49	2.005359e-02	...	4.302885e-03	4.736878e-06	5.701060e-03
H49	5.140838e-02	...	7.092697e-02	1.809750e-02	7.678793e-02

	H49	4.464634e-05	...	1.553688e-04	9.113954e-05	1.489907e-04
	H50	3.372977e-03	...	3.897765e-02	3.531854e-02	3.819191e-02
	H50	2.093141e-03	...	5.413798e-04	1.472469e-04	5.909212e-04
	H51	8.289554e-03	...	4.083549e-01	3.440209e-01	4.048681e-01
	H52	3.078718e-02	...	6.327785e-03	1.749163e-03	6.811037e-03
	H53	9.940598e-03	...	2.974783e-02	4.372029e-06	4.093515e-02
	K64	1.516781e-02	...	5.852035e-06	3.044502e-06	5.404779e-06
	K65	3.919505e-03	...	1.312705e-06	5.420912e-07	1.490584e-06
	K66	3.887208e-04	...	3.416010e-06	1.746302e-06	3.747075e-06
	L68	5.133072e-04	...	7.299138e-07	3.535102e-07	8.556866e-07
	M_N	5.486813e-03	...	2.295607e-03	1.312683e-03	2.364835e-03
	J62_63	1.549899e-03	...	4.782637e-04	2.737954e-04	4.497399e-04
	M_N	2.775391e-04	...	2.319021e-05	1.182804e-05	2.604933e-05
	M_N	9.760437e-02	...	1.142901e-03	2.300158e-04	1.197531e-03
	O84	1.639262e-02	...	5.246565e-03	3.566367e-03	5.296002e-03
	P85	4.066565e-04	...	4.932868e-06	4.074774e-05	5.492536e-06
	M_N	7.879768e-05	...	9.175856e-07	1.461555e-04	9.168359e-07
	E37-39	3.742309e-05	...	2.990428e-04	1.403938e-04	3.345000e-04
	E37-39	2.867682e-05	...	3.071409e-04	1.823207e-04	3.338344e-04
	E37-39	6.055366e-06	...	5.462986e-05	3.221116e-05	5.909973e-05
	E37-39	1.504102e-04	...	4.014446e-04	2.509372e-04	4.383037e-04
	E37-39	5.739323e-06	...	6.419415e-05	3.793380e-05	7.068245e-05
	E37-39	1.020382e-05	...	1.067673e-04	6.453243e-05	1.172222e-04
	E37-39	2.089733e-05	...	2.607043e-04	1.393529e-04	3.192725e-04
	E37-39	4.148256e-06	...	4.333350e-05	2.602930e-05	4.549185e-05
	E37-39	4.679983e-07	...	5.923658e-06	3.568431e-06	6.238863e-06
	E37-39	2.248003e-05	...	2.439049e-04	1.511600e-04	2.676983e-04
	E37-39	9.964937e-05	...	1.080125e-03	6.521740e-04	1.240539e-03
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.592461e-05	...	6.435835e-05	3.989814e-05	6.759127e-05
	E37-39	1.771363e-05	...	1.882052e-04	1.154112e-04	1.949235e-04
	E37-39	3.628641e-06	...	3.554337e-05	2.216798e-05	3.684928e-05
	E37-39	2.435910e-06	...	2.391736e-05	1.483789e-05	2.483648e-05
	E37-39	8.887984e-07	...	4.764855e-04	3.300655e-04	4.434227e-04
	E37-39	5.005841e-05	...	3.543545e-04	1.928547e-04	3.849319e-04
	E37-39	3.671887e-07	...	4.477345e-06	2.760158e-06	4.646158e-06
	E37-39	1.193421e-06	...	1.553671e-05	9.599570e-06	1.612214e-05
	R_S	4.265781e-05	...	1.434969e-07	5.487477e-06	1.583490e-07
	R_S	1.677271e-03	...	2.453239e-05	1.655450e-05	2.333196e-05
	R_S	5.303399e-03	...	2.036391e-03	1.129609e-03	1.872430e-03
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
PL	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.791497e-03	...	4.006034e-01	3.179966e-01	3.982206e-01
	A01	1.114402e-01	...	2.165636e-03	7.885788e-04	2.327477e-03
	A01	1.773615e-03	...	3.697608e-02	2.619806e-02	3.752751e-02
	A01	4.869972e-09	...	2.575221e-04	1.479778e-04	2.657161e-04
	A01	3.468753e-09	...	4.553782e-12	1.798211e-10	5.757608e-12

A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	2.339908e-01	...	6.212610e-03	2.008875e-03	6.722506e-03
A01	7.297288e-09	...	9.030861e-06	7.725682e-10	1.065248e-05
A01	2.966087e-08	...	1.021953e-04	5.572720e-09	1.205459e-04
A01	1.580135e-08	...	3.194893e-05	2.213993e-09	3.768582e-05
A01	3.180596e-04	...	5.459323e-05	2.251808e-05	5.879446e-05
A01	6.616953e-05	...	9.968009e-06	6.500380e-06	1.008932e-05
A01	3.013187e-08	...	1.873450e-04	5.810389e-09	2.209855e-04
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A02	7.578195e-03	...	2.155056e-04	6.854257e-05	2.327645e-04
A03	6.977739e-05	...	2.514705e-04	1.810594e-04	2.535219e-04
B_nongas	2.508427e-04	...	5.202374e-05	2.040929e-05	5.203700e-05
B_nongas	7.336461e-07	...	1.494680e-06	8.740085e-07	1.718182e-06
B_gas	2.347895e-06	...	5.630689e-06	3.234968e-06	5.647847e-06
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	8.678096e-04	...	2.086580e-03	1.300519e-03	2.090520e-03
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	8.643857e-06	...	2.424075e-05	1.415252e-05	2.438927e-05
B_nongas	4.201510e-05	...	1.669079e-04	9.943808e-05	1.666259e-04
B_nongas	3.952493e-10	...	7.681134e-08	2.318698e-08	8.262697e-08
B_nongas	8.395746e-05	...	5.785091e-05	3.388974e-05	5.812064e-05
B_nongas	6.562219e-05	...	1.186659e-04	6.862361e-05	1.198300e-04
B_nongas	6.518072e-06	...	7.754775e-04	5.327693e-04	7.581079e-04
C10-12	2.742120e-02	...	3.351513e-03	2.388518e-03	3.380661e-03
C10-12	3.834238e-02	...	4.295369e-03	3.021429e-03	4.340402e-03
C10-12	4.646198e-03	...	1.014985e-03	2.372001e-04	1.863980e-03
C10-12	2.474618e-01	...	3.028852e-02	2.158312e-02	3.055146e-02
C10-12	5.752423e-02	...	6.248048e-03	4.275096e-03	6.487639e-03
C10-12	4.801174e-02	...	2.498683e-03	1.676415e-03	2.540168e-03
C10-12	0.000000e+00	...	1.849116e-11	1.154057e-11	1.887379e-11
C10-12	2.664237e-02	...	9.086279e-02	6.361235e-03	1.044491e-01
C10-12	9.177331e-01	...	1.319857e-01	8.046514e-02	1.358461e-01
C10-12	3.091899e-01	...	5.977917e-02	2.657048e-02	6.220456e-02
C10-12	5.715346e-02	...	3.244436e-05	1.466180e-05	3.492196e-05
C10-12	5.988913e-03	...	1.600873e-02	1.908000e-03	1.640963e-02
C13-15	1.186271e-02	...	2.317299e-02	1.953020e-02	2.247184e-02
C13-15	1.876127e-03	...	7.070462e-04	5.928011e-04	6.905898e-04
C13-15	2.655828e-02	...	1.907647e-05	1.457690e-05	2.232006e-04
C16	1.298026e-02	...	2.660465e-04	2.032798e-04	2.725709e-04
C16	5.406503e-03	...	1.459462e-04	1.156179e-04	1.481814e-04
C17	6.143987e-04	...	7.600022e-03	6.938530e-03	7.443601e-03
C17	1.342321e-04	...	2.186533e-03	1.998791e-03	2.140894e-03
C17	1.726852e-02	...	6.800887e-05	1.962802e-04	7.605933e-05

C18	3.109026e-03	...	7.722534e-04	6.909717e-04	7.668309e-04
C19	6.715940e-03	...	3.288144e-04	2.438642e-04	2.711768e-04
C19	3.178317e-02	...	9.307169e-03	7.027832e-03	9.215342e-03
C24	6.937963e-06	...	1.272400e-03	1.171932e-06	1.244719e-03
C20-21	2.184706e-03	...	5.120503e-03	4.490856e-03	5.040749e-03
C20-21	2.879659e-03	...	6.855277e-03	6.122441e-03	6.728265e-03
C20-21	1.082919e-04	...	1.233313e-05	6.229108e-06	1.417455e-05
C20-21	2.956479e-01	...	9.383467e-05	2.829228e-05	9.967483e-05
C20-21	1.646130e-02	...	1.729326e-03	8.214665e-04	1.703121e-03
C22	8.118955e-02	...	7.793964e-03	1.910330e-03	9.223383e-03
C23	1.217575e-02	...	1.059333e-04	6.116985e-05	1.003696e-04
C23	4.469197e-03	...	4.574629e-05	2.901674e-05	4.365893e-05
C23	7.893094e-04	...	6.936116e-05	4.236276e-05	6.537467e-05
C23	5.278572e-04	...	7.264294e-05	4.683449e-05	7.055223e-05
C23	2.428692e-03	...	2.890424e-04	1.679706e-04	2.793600e-04
C23	2.001737e-04	...	3.313447e-05	2.284264e-05	3.204219e-05
C23	2.692955e-03	...	6.870621e-05	1.533035e-04	6.611507e-05
C24	3.302477e-03	...	8.545716e-03	5.387600e-03	8.388335e-03
C24	2.681446e-03	...	7.280176e-03	4.595845e-03	7.146482e-03
C24	6.202843e-04	...	3.176975e-04	1.822448e-04	3.229494e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.613252e-04	...	2.536781e-04	1.687761e-04	2.539887e-04
C24	2.640022e-04	...	1.072890e-04	7.837424e-05	1.076477e-04
C24	4.387774e-04	...	1.649663e-03	4.101132e-04	1.814334e-03
C24	9.097511e-05	...	4.230289e-04	9.618158e-05	4.668383e-04
C24	5.349105e-04	...	2.267148e-04	1.473727e-04	5.316147e-04
C24	4.678496e-05	...	2.064257e-05	1.389609e-05	4.616218e-05
C24	6.141301e-07	...	3.372561e-07	1.793016e-07	4.309351e-07
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.022398e-04	...	8.913078e-05	5.999243e-05	8.911090e-05
C25_33	4.521767e-02	...	1.150084e-02	6.810388e-03	1.125832e-02
C25	1.934712e-02	...	2.288530e-02	6.111579e-03	2.341425e-02
C26	5.754742e-04	...	1.010388e-04	5.406789e-05	1.023235e-04
C27	3.696903e-01	...	7.664938e-02	4.497899e-02	6.837235e-02
C27	3.199822e-03	...	4.090542e-03	6.684286e-04	4.517384e-03
C28_32	8.073477e-03	...	4.598002e-03	3.101962e-03	4.562113e-03
C29	3.841140e-02	...	3.930740e-02	2.640056e-02	3.937605e-02
C30	3.593528e-03	...	1.182578e-01	8.384786e-02	1.197745e-01
C31	1.987987e-01	...	2.944558e-03	2.039327e-03	2.929213e-03
E37-39	7.561357e-04	...	2.889045e-04	1.113062e-04	3.017720e-04
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.320793e-04	...	1.185363e-04	7.532051e-05	1.120509e-04
D35	1.503752e-05	...	4.640695e-06	3.387989e-06	4.458828e-06
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	8.266013e-06	...	2.550952e-06	1.862351e-06	2.450976e-06
D35	1.832879e-06	...	5.651808e-07	4.129727e-07	5.429163e-07
D35	9.794210e-06	...	3.022570e-06	2.206660e-06	2.904116e-06
D35	8.361678e-06	...	2.590184e-06	1.888267e-06	2.496341e-06

D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	4.377829e-06	...	1.350711e-06	9.861231e-07	1.297771e-06
D35	1.461117e-04	...	4.527229e-05	3.294315e-05	4.355418e-05
D35	4.001234e-04	...	8.814620e-05	5.600998e-05	8.332356e-05
D35	4.330701e-04	...	9.545030e-05	6.065116e-05	9.022804e-05
D35	6.647380e-04	...	1.484664e-04	9.433878e-05	1.403435e-04
E36	6.139320e-05	...	4.788466e-04	3.166984e-04	4.720131e-04
F	2.138291e-02	...	3.832920e-03	2.223919e-03	3.436940e-03
F	2.581818e-06	...	8.742779e-07	6.766071e-07	8.319551e-07
G45	1.723127e-03	...	1.081910e-03	9.245913e-04	1.079804e-03
G47	6.818801e-04	...	3.499245e-04	2.695618e-04	3.531198e-04
G46	1.817465e-01	...	3.928047e-02	1.730421e-02	4.068204e-02
G47	1.116637e-01	...	1.774724e-02	8.696914e-03	1.857828e-02
I	4.264202e-03	...	8.952239e-04	6.070047e-03	9.731304e-04
H49	4.779651e-02	...	8.487415e-03	4.491715e-05	1.122196e-02
H49	1.697391e-01	...	3.017697e-02	7.745244e-03	3.265771e-02
H49	7.226849e-04	...	7.778386e-04	4.541643e-04	7.470837e-04
H50	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
H50	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
H51	3.233923e-03	...	2.092527e-01	1.766622e-01	2.075318e-01
H52	6.496504e-02	...	3.260768e-04	1.043905e-04	3.591924e-04
H53	3.614074e-03	...	2.276302e-03	2.041891e-05	3.140018e-03
K64	3.578055e-02	...	4.212515e-05	4.332899e-05	4.757019e-05
K65	1.677956e-02	...	1.360834e-08	1.510131e-06	1.943943e-08
K66	3.614939e-03	...	3.375178e-05	3.072490e-05	3.736487e-05
L68	9.926555e-04	...	7.063315e-05	4.491182e-05	7.251842e-05
M_N	1.190940e-02	...	6.905487e-05	3.154404e-05	6.677088e-05
J62_63	6.125113e-04	...	1.002597e-04	5.511657e-05	9.257969e-05
M_N	8.024984e-04	...	1.781061e-04	9.200626e-05	1.731582e-04
M_N	3.495996e-02	...	1.987967e-03	7.428431e-04	2.083633e-03
O84	7.791217e-06	...	3.633814e-09	7.139289e-08	3.365672e-09
P85	7.411600e-04	...	3.010037e-05	1.149449e-05	3.266667e-05
M_N	6.189875e-04	...	1.360540e-04	3.062143e-05	1.470750e-04
E37-39	2.832414e-07	...	2.812873e-07	1.448297e-07	4.042487e-07
E37-39	1.158572e-06	...	2.153153e-06	1.527736e-06	2.626745e-06
E37-39	2.111903e-06	...	5.430731e-06	3.338335e-06	6.383526e-06
E37-39	1.104316e-04	...	1.061327e-04	4.777406e-05	1.511796e-04
E37-39	6.064981e-08	...	1.445249e-07	9.476285e-08	2.019941e-07
E37-39	3.143342e-06	...	6.910409e-06	4.603669e-06	8.949391e-06
E37-39	4.747921e-06	...	2.462004e-05	1.043998e-05	3.867128e-05
E37-39	3.363919e-07	...	4.424005e-07	3.662944e-07	4.515545e-07
E37-39	6.442463e-08	...	5.503644e-08	4.906476e-08	6.504503e-08
E37-39	1.716953e-05	...	4.631903e-05	2.982656e-05	5.923720e-05
E37-39	2.900227e-05	...	1.308744e-04	6.540919e-05	1.666677e-04
E37-39	1.376200e-07	...	1.655258e-06	1.224309e-06	1.879948e-06

PT	E37-39	2.107779e-05	...	3.387228e-05	2.357805e-05	3.275328e-05
	E37-39	2.990925e-05	...	5.600449e-05	3.418391e-05	5.482887e-05
	E37-39	3.782166e-05	...	5.945590e-05	3.974474e-05	5.650966e-05
	E37-39	2.019002e-05	...	3.766905e-05	2.559560e-05	3.685304e-05
	E37-39	4.540455e-06	...	2.467379e-03	1.715117e-03	2.289591e-03
	E37-39	3.457926e-05	...	1.010625e-04	6.103172e-05	1.172018e-04
	E37-39	4.188531e-06	...	8.465065e-06	6.464110e-06	8.234929e-06
	E37-39	6.603671e-06	...	1.404635e-05	1.052036e-05	1.390102e-05
	R_S	1.827861e-03	...	1.191991e-04	5.698219e-05	1.262134e-04
	R_S	5.322327e-04	...	1.801787e-05	1.864585e-05	1.973963e-05
	R_S	4.663415e-04	...	2.673775e-05	2.152621e-05	2.644882e-05
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	5.400455e-09	...	2.713461e-07	1.871285e-07	2.650764e-07
	A01	9.901552e-05	...	5.097828e-06	1.599994e-06	5.525550e-06
	A01	2.536083e-04	...	2.761878e-04	2.157553e-04	2.755442e-04
	A01	1.459603e-03	...	6.483754e-03	3.425298e-03	6.710011e-03
	A01	3.272564e-08	...	2.276385e-06	1.569855e-06	2.223772e-06
	A01	4.629399e-09	...	3.555167e-07	2.451812e-07	3.473044e-07
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.410184e-02	...	1.812165e-03	5.551850e-04	1.963945e-03
	A01	1.942862e-08	...	4.540160e-03	7.833634e-08	5.355388e-03
	A01	2.327072e-05	...	4.064700e-03	2.184744e-07	4.794516e-03
	A01	6.223023e-06	...	2.941706e-03	6.672947e-08	3.469912e-03
	A01	1.015810e-04	...	8.636161e-03	8.773356e-06	1.018496e-02
	A01	7.248769e-06	...	2.069838e-04	2.375945e-06	2.436750e-04
	A01	1.908881e-05	...	3.162327e-02	8.798206e-08	3.730165e-02
	A01	2.535441e-10	...	3.944784e-12	2.042272e-12	3.631778e-12
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	6.312691e-06	...	6.426905e-06	5.178937e-06	6.717459e-06
	A03	2.030133e-05	...	8.697726e-06	1.177210e-06	9.482162e-06
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	4.704003e-07	...	8.384243e-06	7.410045e-06	8.131885e-06
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	2.344227e-10	...	4.453432e-09	2.962685e-09	6.672479e-09
	B_nongas	2.760327e-07	...	2.428389e-06	2.197726e-06	2.361456e-06
	B_nongas	1.639010e-07	...	1.669266e-07	1.450534e-07	1.652257e-07
	B_nongas	8.503980e-05	...	1.063627e-05	1.122925e-05	1.048398e-05
	B_nongas	8.301226e-06	...	1.491810e-05	1.540403e-05	1.459447e-05
	B_nongas	1.072882e-04	...	1.026572e-02	7.079923e-03	1.002859e-02
	C10-12	7.114343e-04	...	2.973115e-04	2.123368e-04	2.998343e-04

C10-12	1.881777e-03	...	7.834356e-04	5.590468e-04	7.900861e-04
C10-12	2.108415e-04	...	1.405440e-04	6.287040e-05	2.093217e-04
C10-12	1.735472e-04	...	7.848592e-05	5.754978e-05	7.905277e-05
C10-12	8.165824e-03	...	1.034757e-03	6.429209e-04	1.142492e-03
C10-12	2.190356e-03	...	3.561843e-04	2.543211e-04	3.591708e-04
C10-12	8.831277e-04	...	3.697361e-04	2.640702e-04	6.297884e-04
C10-12	1.447596e-03	...	6.117362e-04	4.317322e-04	6.179945e-04
C10-12	4.019896e-02	...	1.775977e-02	1.115776e-02	1.826141e-02
C10-12	2.094049e-02	...	1.381677e-02	4.957951e-03	1.451779e-02
C10-12	4.975607e-02	...	3.902723e-07	6.685139e-07	3.776141e-07
C10-12	1.187154e-04	...	1.691327e-03	2.010730e-04	1.733719e-03
C13-15	2.400883e-03	...	4.660683e-02	3.945836e-02	4.514829e-02
C13-15	1.965186e-04	...	4.655870e-04	4.760101e-04	4.528682e-04
C13-15	1.231204e-02	...	1.695416e-05	2.866498e-06	1.292606e-03
C16	1.294132e-03	...	1.910364e-05	1.368823e-06	3.830412e-05
C16	2.004335e-04	...	2.890570e-06	1.774626e-07	5.868304e-06
C17	2.404224e-06	...	5.198255e-02	4.759813e-02	5.086878e-02
C17	4.455260e-07	...	9.357576e-03	8.568325e-03	9.157084e-03
C17	1.033156e-03	...	3.092607e-05	2.774095e-04	3.033424e-05
C18	4.662008e-04	...	2.672263e-03	2.455252e-03	2.612355e-03
C19	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C19	7.948444e-05	...	1.860817e-02	1.531219e-02	1.853348e-02
C24	4.033560e-08	...	1.220602e-08	1.153068e-08	1.190096e-08
C20-21	1.569576e-04	...	1.858749e-02	1.797558e-02	1.806375e-02
C20-21	3.128367e-05	...	4.414994e-03	4.270817e-03	4.290764e-03
C20-21	1.018946e-06	...	2.727199e-06	2.281340e-06	2.882762e-06
C20-21	2.999222e-06	...	5.214285e-06	4.269331e-06	5.142837e-06
C20-21	1.247954e-05	...	3.881969e-04	2.094566e-04	3.729060e-04
C22	8.927290e-03	...	2.623399e-03	3.521816e-04	3.264251e-03
C23	2.225619e-04	...	2.174851e-05	1.381576e-05	2.071687e-05
C23	7.273776e-05	...	8.451625e-06	5.647907e-06	8.152104e-06
C23	8.459012e-05	...	3.807967e-05	2.412397e-05	3.537061e-05
C23	2.156452e-06	...	2.623804e-05	4.612951e-06	3.595060e-05
C23	1.631470e-05	...	6.337998e-05	4.014442e-05	6.549219e-05
C23	1.061996e-06	...	4.736405e-06	3.167061e-06	4.880978e-06
C23	4.824957e-04	...	1.702305e-05	3.676093e-04	1.774023e-05
C24	9.483513e-06	...	8.572863e-04	5.360903e-04	8.386355e-04
C24	1.437452e-05	...	1.516914e-03	9.486404e-04	1.483922e-03
C24	1.162915e-06	...	1.889820e-05	4.444068e-06	2.062292e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.258633e-06	...	2.004039e-06	9.958962e-07	2.011629e-06
C24	5.748711e-06	...	1.605216e-06	7.989122e-07	1.645130e-06
C24	3.446813e-06	...	3.260100e-05	6.207345e-06	3.619692e-05
C24	2.824395e-06	...	2.153568e-05	4.167079e-06	2.387815e-05
C24	1.249883e-05	...	2.984632e-06	1.736548e-06	2.921969e-05
C24	4.791747e-08	...	2.286744e-08	7.731058e-09	1.571906e-07
C24	1.782389e-06	...	4.875083e-07	2.567557e-07	5.172565e-07
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

C24	1.865073e-05	...	4.876593e-06	2.607702e-06	4.677879e-06
C25_33	7.037627e-03	...	7.905651e-04	5.283595e-04	7.364266e-04
C25	2.099274e-03	...	3.030119e-03	3.161497e-04	3.151231e-03
C26	1.764779e-04	...	6.176808e-06	3.652660e-06	8.133848e-06
C27	7.499682e-02	...	1.736509e-02	1.012598e-02	1.542092e-02
C27	1.959762e-03	...	1.157213e-03	2.601929e-04	1.222874e-03
C28_32	2.120770e-03	...	1.583080e-04	8.578195e-05	1.574732e-04
C29	8.820194e-04	...	4.278991e-03	2.956630e-03	4.378215e-03
C30	7.627511e-04	...	1.392968e-03	9.745855e-04	1.392372e-03
C31	9.897941e-03	...	3.674905e-04	2.505224e-04	3.506628e-04
E37-39	2.625619e-07	...	4.854375e-05	2.976451e-05	4.805904e-05
E37-39	1.018258e-07	...	5.473936e-05	3.329706e-05	5.534390e-05
D35	1.097578e-05	...	2.549540e-06	1.614510e-06	2.350009e-06
D35	2.583800e-05	...	5.392934e-06	3.127948e-06	4.967227e-06
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	9.686895e-06	...	2.117892e-06	1.293747e-06	1.969225e-06
D35	9.458404e-06	...	2.221896e-06	1.318927e-06	2.007930e-06
D35	4.801991e-06	...	1.126799e-06	7.067001e-07	1.049037e-06
D35	2.159996e-06	...	5.256073e-07	3.275133e-07	4.773194e-07
D35	9.709312e-08	...	2.309426e-08	1.370430e-08	2.066047e-08
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	9.030443e-08	...	2.353839e-08	1.622855e-08	2.184824e-08
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.045604e-05	...	4.844560e-06	3.073774e-06	4.430142e-06
D35	8.176327e-05	...	1.746094e-05	1.024986e-05	1.571313e-05
D35	5.842130e-06	...	1.301154e-06	7.605325e-07	1.201030e-06
D35	1.052833e-08	...	1.795485e-09	1.050762e-09	1.692171e-09
E36	3.564123e-05	...	2.986054e-05	2.018143e-05	2.815194e-05
F	3.159712e-03	...	4.843436e-04	2.871067e-04	4.325802e-04
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	8.387056e-05	...	2.005721e-05	1.824554e-05	2.094214e-05
G47	4.569284e-05	...	2.784539e-05	2.187174e-05	2.854079e-05
G46	1.182027e-02	...	5.650602e-03	3.482949e-03	5.582258e-03
G47	3.967917e-03	...	3.172742e-03	1.582924e-03	3.291815e-03
I	1.810484e-03	...	8.955230e-05	3.814686e-04	9.795375e-05
H49	1.677332e-03	...	8.113746e-04	1.576788e-06	1.074514e-03
H49	1.017926e-02	...	1.831748e-03	4.684440e-04	1.982765e-03
H49	5.601929e-06	...	4.791997e-05	2.936496e-05	4.607553e-05
H50	5.078505e-05	...	7.648228e-05	6.941065e-05	7.490624e-05
H50	1.547940e-05	...	1.975580e-08	5.699360e-07	1.950406e-08
H51	2.494195e-03	...	2.368966e-03	1.858015e-03	2.301518e-03
H52	4.285918e-03	...	2.611373e-06	2.480918e-06	2.625270e-06
H53	7.492697e-04	...	4.965020e-04	4.703678e-05	6.485159e-04
K64	1.231616e-02	...	1.398592e-06	7.757352e-07	1.235525e-06
K65	1.238450e-04	...	1.453417e-09	5.789415e-11	2.716290e-09
K66	1.698080e-06	...	1.100621e-07	7.817721e-08	1.160931e-07
L68	9.480337e-05	...	8.348428e-07	6.889501e-07	8.324878e-07

	M_N	3.886952e-04	...	7.195840e-07	4.206501e-07	6.619682e-07
	J62_63	1.756097e-05	...	1.030772e-06	3.320177e-07	1.212545e-06
	M_N	4.853316e-06	...	1.171845e-06	9.430524e-07	1.216883e-06
	M_N	2.109235e-03	...	5.736169e-06	3.163974e-06	5.262622e-06
	O84	2.988429e-04	...	8.492745e-05	1.539653e-05	9.630701e-05
	P85	2.823425e-05	...	8.879607e-07	6.605245e-07	8.711752e-07
	M_N	2.030823e-05	...	5.505786e-06	3.574713e-06	5.301626e-06
	E37-39	3.912676e-07	...	1.101048e-07	5.722146e-08	1.822226e-07
	E37-39	4.698105e-07	...	1.152286e-07	5.724316e-08	1.841494e-07
	E37-39	1.255143e-06	...	1.155502e-07	5.245303e-08	1.498590e-07
	E37-39	1.058054e-04	...	6.373280e-07	2.528884e-07	9.779773e-07
	E37-39	1.485237e-07	...	9.496389e-08	4.469042e-08	1.629341e-07
	E37-39	1.129406e-07	...	1.474313e-07	6.281378e-08	2.511572e-07
	E37-39	1.524409e-07	...	5.885449e-07	1.730464e-07	1.029551e-06
	E37-39	1.044699e-07	...	9.901074e-09	4.930723e-09	1.275134e-08
	E37-39	1.736845e-08	...	7.219336e-10	6.754099e-10	4.625798e-09
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	2.466392e-06	...	6.233359e-07	2.917964e-07	8.197081e-07
	E37-39	1.733996e-09	...	4.716089e-07	3.426462e-07	5.431404e-07
	E37-39	1.826277e-07	...	9.420644e-08	6.069930e-08	8.665756e-08
	E37-39	3.931590e-07	...	2.224587e-07	1.343700e-07	2.120446e-07
	E37-39	5.889182e-07	...	4.097343e-07	2.819510e-07	3.752213e-07
	E37-39	4.126656e-07	...	3.556734e-07	2.252728e-07	3.384033e-07
	E37-39	1.259098e-07	...	1.248982e-04	8.677901e-05	1.158748e-04
	E37-39	3.956300e-07	...	7.487502e-07	4.452927e-07	8.918435e-07
	E37-39	1.217005e-07	...	1.750330e-07	1.136974e-07	1.593579e-07
	E37-39	1.644325e-07	...	2.146547e-07	1.350433e-07	2.059434e-07
	R_S	6.945833e-05	...	8.142426e-05	2.323381e-06	9.497624e-05
	R_S	1.589251e-04	...	1.825610e-05	1.993124e-06	1.999140e-05
	R_S	1.231107e-04	...	2.162121e-05	1.236238e-05	1.951377e-05
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
R0	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	4.063444e-03	...	7.642838e-01	6.065980e-01	7.597541e-01
	A01	2.164476e-01	...	5.236660e-01	4.217461e-01	5.203072e-01
	A01	6.469214e-04	...	1.134019e-03	8.034685e-04	1.150931e-03
	A01	0.000000e+00	...	5.445174e-03	3.128912e-03	5.618433e-03
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	5.501165e-02	...	1.462142e-02	4.578621e-03	1.585120e-02
	A01	2.601726e-03	...	4.742247e-03	1.406538e-09	5.593785e-03
	A01	2.276623e-03	...	6.368571e-03	1.230781e-09	7.512139e-03
	A01	6.683232e-03	...	1.828756e-02	3.613069e-09	2.157135e-02
	A01	7.774371e-04	...	6.957879e-03	4.202948e-10	8.207266e-03
	A01	3.396861e-04	...	2.172883e-03	1.836399e-10	2.563055e-03
	A01	5.379644e-03	...	3.958840e-02	2.908322e-09	4.669706e-02
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A02	2.405861e-06	...	1.575471e-06	5.819277e-08	1.973402e-06
A03	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	3.649123e-07	2.704548e-08	3.389698e-07
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	9.553390e-05	...	2.224703e-09	0.000000e+00	3.051144e-09
B_nongas	1.875642e-05	...	1.633026e-09	0.000000e+00	1.960569e-09
B_nongas	1.054446e-04	...	4.322176e-02	2.980796e-02	4.222337e-02
C10-12	1.378777e-03	...	2.010924e-04	1.434878e-04	2.028014e-04
C10-12	9.786010e-04	...	1.427301e-04	1.018396e-04	1.439423e-04
C10-12	5.082043e-04	...	7.547871e-05	5.288698e-05	7.786616e-05
C10-12	4.823266e-04	...	7.039346e-05	5.021800e-05	7.097923e-05
C10-12	4.300324e-02	...	7.166702e-03	1.006570e-03	1.145476e-02
C10-12	7.534644e-03	...	1.179970e-04	8.420245e-05	1.189973e-04
C10-12	1.425779e-04	...	2.079470e-05	1.483756e-05	2.097142e-05
C10-12	2.004345e-02	...	1.191427e-03	8.402671e-04	1.203710e-03
C10-12	9.097323e-02	...	1.246595e-02	8.135077e-03	1.295054e-02
C10-12	7.098902e-02	...	1.212278e-02	7.143832e-03	1.240516e-02
C10-12	3.559998e-04	...	3.415974e-10	5.001439e-09	3.639408e-10
C10-12	1.400415e-03	...	8.488398e-03	1.005353e-03	8.701307e-03
C13-15	8.635287e-03	...	1.754853e-02	1.486391e-02	1.699360e-02
C13-15	1.067145e-04	...	8.636997e-07	3.410602e-05	1.092025e-06
C13-15	1.139399e-01	...	9.588101e-08	3.603787e-08	2.413254e-04
C16	1.155615e-02	...	1.367000e-04	4.502954e-06	3.120539e-04
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	0.000000e+00	...	1.732073e-04	1.585988e-04	1.694962e-04
C17	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	6.088738e-03	...	1.679190e-06	3.311367e-05	1.655919e-06
C18	3.566163e-05	...	1.693522e-07	3.884172e-06	1.486928e-07
C19	0.000000e+00	...	3.674841e-06	2.566790e-06	2.886552e-06
C19	2.759288e-02	...	1.153878e+00	9.741212e-01	1.151117e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	...	1.229917e-02	1.192328e-02	1.195234e-02
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	4.540599e-02	...	4.160763e-07	1.655718e-07	1.169687e-06
C20-21	4.478311e-03	...	6.714360e-04	3.555435e-04	6.445580e-04
C22	1.980856e-02	...	5.404258e-03	4.693820e-06	6.967883e-03

[illegible]

F	7.262008e-04	...	9.721642e-07	5.960096e-07	9.194844e-07
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.329882e-05	...	9.970370e-06	3.691846e-05	9.686096e-06
G47	1.980398e-05	...	9.433117e-05	8.222822e-05	9.554327e-05
G46	7.182042e-04	...	9.699489e-03	9.167177e-03	9.750202e-03
G47	1.173389e-05	...	9.574687e-03	9.131840e-03	9.506868e-03
I	1.525598e-03	...	4.387913e-05	9.393460e-03	4.226871e-05
H49	5.989241e-02	...	1.145969e-02	2.136948e-06	1.518694e-02
H49	1.378303e-01	...	3.155862e-02	8.045341e-03	3.416728e-02
H49	1.693572e-04	...	1.270718e-03	7.443873e-04	1.218472e-03
H50	1.120251e-03	...	1.241674e-02	1.126820e-02	1.216055e-02
H50	8.691728e-04	...	1.021493e-08	2.884192e-06	8.413090e-09
H51	6.937267e-04	...	3.931878e-02	3.320917e-02	3.900058e-02
H52	4.412041e-02	...	2.146303e-07	3.090625e-07	2.172144e-07
H53	1.660512e-03	...	4.708124e-03	4.387580e-07	6.540672e-03
K64	6.458943e-02	...	2.924262e-06	1.599368e-06	2.567079e-06
K65	2.595032e-03	...	1.627681e-09	0.000000e+00	3.142576e-09
K66	1.121217e-05	...	3.389346e-07	1.843352e-07	3.694142e-07
L68	5.086233e-04	...	1.989286e-07	9.273816e-08	2.401725e-07
M_N	2.116676e-03	...	2.408117e-07	8.481848e-08	2.948718e-07
J62_63	4.790032e-05	...	7.437544e-06	2.848996e-06	8.333796e-06
M_N	4.097918e-06	...	1.101196e-06	5.662064e-07	1.237034e-06
M_N	5.957225e-02	...	1.415698e-06	7.738590e-07	1.639070e-06
O84	2.040349e-06	...	0.000000e+00	0.000000e+00	0.000000e+00
P85	2.960404e-06	...	4.183777e-08	2.227994e-08	5.112831e-08
M_N	0.000000e+00	...	1.369889e-07	5.982888e-08	1.444363e-07
E37-39	1.659571e-07	...	5.720223e-08	2.243698e-08	1.065889e-07
E37-39	2.462901e-07	...	6.093014e-08	2.469933e-08	1.052735e-07
E37-39	4.674276e-07	...	3.621122e-08	1.593814e-08	4.729741e-08
E37-39	1.991942e-04	...	9.604022e-05	3.266787e-05	1.530666e-04
E37-39	2.811393e-08	...	5.185362e-08	2.334518e-08	9.063962e-08
E37-39	3.399616e-08	...	6.075772e-08	2.481499e-08	1.050316e-07
E37-39	1.456994e-07	...	2.834575e-05	7.931566e-06	5.009275e-05
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	4.398189e-06	...	1.359971e-05	6.257683e-06	1.796353e-05
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	4.970153e-07	...	3.171597e-05	1.840502e-05	2.859615e-05
E37-39	4.006013e-07	...	6.838971e-05	3.703722e-05	6.534205e-05
E37-39	1.774002e-07	...	4.971985e-05	3.112851e-05	4.438290e-05
E37-39	1.643971e-07	...	3.960862e-05	2.297410e-05	3.733570e-05
E37-39	1.802070e-07	...	1.756223e-03	1.220195e-03	1.629335e-03
E37-39	5.013937e-08	...	3.581880e-05	2.025433e-05	4.331432e-05
E37-39	1.379512e-07	...	6.719958e-06	4.239543e-06	6.076074e-06
E37-39	1.702447e-07	...	9.462113e-06	5.761077e-06	9.052251e-06
R_S	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
R_S	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

	R_S	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
SE	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	7.749860e-04	...	9.989419e-06	3.128311e-06	1.082965e-05
	A01	1.626098e-03	...	2.053298e-05	6.429939e-06	2.226001e-05
	A01	5.663267e-05	...	1.175745e-05	8.330287e-06	1.193280e-05
	A01	2.322534e-07	...	2.864283e-05	1.645877e-05	2.955422e-05
	A01	5.000190e-07	...	1.455862e-10	7.565082e-11	1.650463e-10
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	9.665426e-03	...	1.386431e-04	4.146938e-05	1.486620e-04
	A01	1.602439e-05	...	1.227520e-05	4.469784e-10	1.447936e-05
	A01	5.192882e-05	...	5.159143e-06	1.094482e-09	6.085494e-06
	A01	5.240668e-06	...	2.223234e-06	1.489250e-10	2.622429e-06
	A01	6.826874e-05	...	1.875621e-05	4.978485e-06	2.086782e-05
	A01	4.024661e-05	...	1.199518e-05	3.092776e-06	1.349842e-05
	A01	1.932308e-05	...	1.033938e-05	9.413721e-10	1.219586e-05
	A01	2.338077e-08	...	8.354870e-12	4.395167e-12	9.491902e-12
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	6.180415e-05	...	6.126799e-06	2.178647e-07	1.076524e-05
	A03	1.345210e-07	...	6.874944e-12	2.421487e-12	8.418310e-12
	B_nongas	8.006157e-04	...	1.934712e-04	1.106801e-04	1.875596e-04
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	1.161081e-05	...	2.051750e-09	1.105424e-09	2.358381e-09
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	4.420137e-07	...	3.112943e-02	2.040659e-06	3.758425e-02
	B_nongas	8.897303e-05	...	2.697529e-04	2.460006e-04	2.702608e-04
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.244791e-06	...	5.187675e-06	4.749800e-06	5.208349e-06
	B_nongas	7.042150e-06	...	3.736476e-05	3.466891e-05	3.739358e-05
	B_nongas	2.619066e-13	...	1.002601e-15	0.000000e+00	1.217572e-15
	B_nongas	6.427702e-05	...	4.351624e-06	3.949486e-06	4.353076e-06
	B_nongas	1.882555e-06	...	2.986190e-06	2.488299e-06	2.977089e-06
	B_nongas	5.147030e-05	...	1.081420e-03	7.190690e-04	1.056506e-03
	C10-12	5.942625e-03	...	1.022314e-03	7.492119e-04	1.030284e-03
	C10-12	5.702356e-03	...	9.088328e-04	6.518716e-04	9.165113e-04
	C10-12	1.190020e-04	...	1.034132e-04	5.780669e-05	1.505750e-04
	C10-12	2.342277e-02	...	3.672503e-03	2.619285e-03	3.704290e-03
	C10-12	2.890811e-04	...	1.433236e-04	4.840517e-05	2.014469e-04
	C10-12	3.827092e-03	...	4.225182e-04	3.517408e-04	4.224498e-04
	C10-12	8.748226e-10	...	2.921368e-10	1.740839e-10	1.298609e-07
	C10-12	6.531394e-04	...	4.574772e-04	1.470665e-04	5.031375e-04
	C10-12	4.889312e-02	...	1.277767e-02	5.502609e-03	1.348222e-02
	C10-12	1.618591e-02	...	1.054227e-02	1.579164e-03	1.134069e-02
	C10-12	3.358714e-04	...	8.458311e-05	5.465383e-05	8.967680e-05

C10-12	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	1.092693e-03	...	1.027731e-02	8.710672e-03	9.957799e-03
C13-15	4.225144e-05	...	1.551620e-04	1.424064e-04	1.550883e-04
C13-15	3.491283e-04	...	1.690083e-05	9.256179e-06	5.751049e-05
C16	3.362087e-03	...	2.643739e-04	5.187756e-05	4.789777e-04
C16	3.064137e-05	...	8.182430e-06	5.792745e-06	9.901431e-06
C17	4.489751e-05	...	4.102596e-02	3.756983e-02	4.014748e-02
C17	9.287343e-06	...	8.958729e-03	8.203976e-03	8.766890e-03
C17	3.271986e-02	...	5.531771e-04	8.021518e-04	5.421100e-04
C18	2.224216e-04	...	2.828616e-04	2.500564e-04	2.831828e-04
C19	3.084865e-06	...	2.847054e-05	2.639314e-05	2.847525e-05
C19	8.530208e-03	...	8.721902e-03	6.918043e-03	8.619570e-03
C24	7.010876e-06	...	2.593259e-03	6.515947e-05	2.538297e-03
C20-21	4.045801e-04	...	1.972514e-02	1.891468e-02	1.921891e-02
C20-21	7.745473e-04	...	3.994629e-02	3.837094e-02	3.889963e-02
C20-21	8.014845e-08	...	2.747893e-08	2.243678e-08	3.256947e-08
C20-21	1.161282e-05	...	1.398630e-07	1.236609e-07	1.432352e-07
C20-21	4.840898e-06	...	7.811803e-05	4.503017e-05	7.722226e-05
C22	1.036616e-02	...	4.210540e-03	5.335680e-04	5.143278e-03
C23	5.595992e-04	...	1.386361e-04	4.512318e-05	1.541179e-04
C23	3.073633e-04	...	7.468856e-05	2.467517e-05	8.291420e-05
C23	4.680412e-05	...	2.915371e-04	8.958234e-05	3.279169e-04
C23	3.485229e-06	...	2.038061e-05	6.615672e-06	2.298825e-05
C23	1.547847e-04	...	1.944566e-03	5.429993e-04	2.199637e-03
C23	5.986036e-06	...	6.198954e-05	2.007140e-05	6.947620e-05
C23	1.167811e-03	...	1.864833e-04	8.759354e-05	2.090148e-04
C24	1.496510e-04	...	3.245207e-02	2.038275e-02	3.174561e-02
C24	5.730488e-05	...	1.200198e-02	7.587762e-03	1.173980e-02
C24	4.178795e-06	...	6.003888e-04	1.523718e-04	6.542611e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.390906e-05	...	5.057101e-05	3.676539e-05	4.986512e-05
C24	1.077029e-05	...	5.420828e-05	4.936984e-05	5.286278e-05
C24	2.232965e-05	...	1.928908e-04	1.115175e-04	2.002195e-04
C24	1.230871e-05	...	1.064466e-04	6.131879e-05	1.105382e-04
C24	5.556267e-04	...	9.751975e-04	8.686442e-04	9.971176e-04
C24	4.836155e-08	...	2.426513e-07	2.185168e-07	2.442985e-07
C24	3.288840e-06	...	1.757476e-05	1.444663e-05	1.893598e-05
C24	1.093718e-07	...	2.609725e-07	1.979690e-07	2.844061e-07
C24	2.671863e-05	...	1.268147e-04	1.159572e-04	1.234589e-04
C25_33	3.077211e-03	...	1.576984e-03	8.183256e-04	1.563394e-03
C25	2.269758e-03	...	2.989497e-02	3.904214e-03	3.095259e-02
C26	2.619186e-04	...	3.322648e-04	2.046838e-04	3.297410e-04
C27	4.079128e-02	...	7.846409e-02	4.583254e-02	6.969729e-02
C27	1.528895e-04	...	6.801758e-03	2.025549e-04	7.856915e-03
C28_32	6.055164e-03	...	7.300451e-04	4.560919e-04	7.248466e-04
C29	1.256372e-03	...	8.760562e-02	6.268648e-02	8.947720e-02
C30	2.396664e-03	...	6.487674e-03	4.559408e-03	6.577044e-03
C31	1.894048e-02	...	1.000565e-03	6.922015e-04	9.561485e-04

E37-39	2.408809e-05	...	8.514228e-06	7.976498e-06	8.564496e-06
E37-39	2.424984e-05	...	1.000607e-04	9.456884e-05	1.005841e-04
D35	3.746372e-06	...	5.217251e-05	3.621377e-05	4.845944e-05
D35	5.641489e-07	...	5.141203e-08	2.296599e-08	5.714603e-08
D35	1.418477e-04	...	6.017199e-06	9.781463e-07	7.995098e-06
D35	1.315679e-04	...	5.616344e-06	9.121528e-07	7.450556e-06
D35	2.815015e-06	...	1.191066e-07	1.902803e-08	1.584150e-07
D35	1.011118e-06	...	4.272022e-08	6.829622e-09	5.683650e-08
D35	1.010278e-05	...	4.283905e-07	6.836365e-08	5.695015e-07
D35	2.373593e-10	...	1.330253e-08	1.085847e-09	1.391578e-08
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.238179e-06	...	5.837239e-08	5.076959e-09	1.094950e-07
D35	8.240384e-05	...	3.510028e-06	5.767821e-07	4.658309e-06
D35	2.859598e-04	...	1.205031e-05	1.931005e-06	1.602790e-05
D35	8.242312e-06	...	3.479833e-07	5.556366e-08	4.630042e-07
D35	1.139422e-03	...	1.723647e-05	4.485505e-06	2.277788e-05
E36	9.180363e-04	...	6.211987e-06	3.212282e-06	7.873942e-06
F	1.218858e-03	...	7.451459e-03	1.146215e-03	8.467276e-03
F	4.213558e-06	...	2.769131e-05	7.488293e-06	3.098735e-05
G45	1.192535e-03	...	3.182028e-04	4.150118e-04	3.498647e-04
G47	5.381936e-04	...	1.113577e-03	9.464935e-04	1.131340e-03
G46	1.668604e-02	...	9.902061e-02	9.014167e-02	9.959857e-02
G47	1.687192e-03	...	7.483654e-02	6.995388e-02	7.447010e-02
I	2.455524e-03	...	2.141639e-04	1.312073e-03	2.140381e-04
H49	1.297774e-02	...	1.358840e-02	1.393875e-04	1.795561e-02
H49	3.265913e-02	...	6.623829e-02	1.715366e-02	7.167334e-02
H49	1.380795e-04	...	1.874526e-03	1.119785e-03	1.799651e-03
H50	1.333545e-03	...	2.152594e-02	1.956683e-02	2.108692e-02
H50	1.260369e-04	...	1.073415e-05	1.620483e-05	1.073495e-05
H51	9.345364e-04	...	2.874056e-02	2.425920e-02	2.850910e-02
H52	2.342245e-02	...	3.764727e-03	8.478923e-04	4.263837e-03
H53	3.764022e-03	...	1.116612e-02	3.566330e-04	1.524719e-02
K64	4.477080e-03	...	1.281045e-05	6.849201e-06	1.147856e-05
K65	2.979061e-03	...	5.480347e-07	1.773450e-07	6.889612e-07
K66	8.359479e-06	...	7.668207e-07	3.955892e-07	8.398923e-07
L68	7.718291e-05	...	1.573061e-06	1.365234e-06	1.743956e-06
M_N	2.357727e-03	...	2.811588e-04	2.123527e-04	2.892109e-04
J62_63	3.981720e-04	...	1.032266e-04	3.990741e-05	1.240367e-04
M_N	7.604429e-05	...	3.445585e-04	3.025569e-04	3.421626e-04
M_N	2.463605e-02	...	3.370406e-03	3.112706e-03	3.372941e-03
O84	1.986167e-04	...	2.314053e-05	2.396158e-05	2.284389e-05
P85	2.325428e-04	...	1.188201e-04	9.885370e-05	1.227540e-04
M_N	3.858240e-04	...	3.555540e-04	2.469237e-04	3.629479e-04
E37-39	5.780008e-05	...	2.424486e-06	1.107021e-06	4.275769e-06
E37-39	6.677352e-05	...	2.606553e-06	1.169897e-06	4.351917e-06
E37-39	9.913334e-05	...	2.163715e-06	9.811502e-07	2.808832e-06

	E37-39	2.529626e-02	...	6.897298e-05	2.361555e-05	1.097768e-04
	E37-39	2.726992e-05	...	7.450291e-07	3.572634e-07	1.269554e-06
	E37-39	3.107977e-05	...	3.082506e-06	1.351052e-06	5.204621e-06
	E37-39	1.006828e-05	...	1.290234e-05	3.736377e-06	2.265654e-05
	E37-39	2.320981e-06	...	2.895108e-07	2.480522e-07	2.961942e-07
	E37-39	3.217517e-07	...	1.732594e-09	1.644248e-09	5.236086e-09
	E37-39	7.702108e-06	...	4.235676e-06	2.476356e-06	5.974771e-06
	E37-39	8.999570e-05	...	1.299700e-05	6.070284e-06	1.710846e-05
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	7.113137e-06	...	5.603599e-07	3.588808e-07	5.142810e-07
	E37-39	6.541626e-06	...	1.507884e-06	8.854172e-07	1.448301e-06
	E37-39	5.278836e-07	...	2.097989e-07	1.379724e-07	1.894821e-07
	E37-39	4.511636e-06	...	1.182255e-06	7.178300e-07	1.119449e-06
	E37-39	3.844740e-06	...	1.338003e-04	9.334977e-05	1.243196e-04
	E37-39	3.574042e-06	...	5.629983e-06	3.268305e-06	6.761971e-06
	E37-39	1.359749e-07	...	3.803961e-08	2.448353e-08	3.494330e-08
	E37-39	1.715744e-07	...	4.910012e-08	3.065780e-08	4.741412e-08
	R_S	1.674839e-05	...	1.099783e-04	1.043159e-04	1.101267e-04
	R_S	5.206166e-04	...	4.387917e-04	2.285209e-04	4.741036e-04
	R_S	3.851476e-05	...	1.986492e-04	1.848000e-04	1.982559e-04
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
SI	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	5.356926e-03	...	3.989410e-08	8.828660e-09	4.686905e-08
	A01	5.485484e-02	...	1.044712e-05	8.367827e-06	1.039927e-05
	A01	9.407904e-04	...	1.695135e-03	1.200957e-03	1.720451e-03
	A01	5.647606e-08	...	7.106530e-05	4.083442e-05	7.332727e-05
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.443110e-02	...	1.741149e-04	7.963130e-05	1.816395e-04
	A01	1.089244e-05	...	2.025059e-07	2.644822e-10	2.483957e-07
	A01	7.096461e-06	...	1.510118e-07	3.715500e-10	1.915018e-07
	A01	5.250257e-06	...	1.095579e-07	2.453987e-10	1.383060e-07
	A01	1.697671e-03	...	2.616799e-05	2.138589e-05	2.625443e-05
	A01	2.415868e-03	...	3.366056e-05	2.690814e-05	3.380307e-05
	A01	1.179059e-05	...	8.020532e-07	1.010258e-08	9.649823e-07
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	4.292677e-04	...	3.169654e-05	2.984540e-05	3.196028e-05
	A03	2.239989e-06	...	7.357743e-06	6.803506e-06	7.239141e-06
	B_nongas	2.749411e-04	...	9.551359e-06	8.770399e-06	9.440380e-06
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	2.138189e-06	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	2.577609e-04	...	3.041303e-05	3.014562e-05	3.003022e-05
B_nongas	1.593482e-04	...	7.112948e-06	7.053100e-06	6.997900e-06
B_nongas	1.463631e-07	...	7.795464e-07	5.387009e-07	7.615367e-07
C10-12	2.270907e-03	...	6.937624e-05	5.679645e-05	6.972507e-05
C10-12	2.158306e-03	...	3.481042e-05	2.360943e-05	3.537232e-05
C10-12	9.832410e-04	...	4.507750e-05	1.649100e-05	7.728885e-05
C10-12	2.455604e-03	...	1.952131e-05	1.138532e-05	2.018946e-05
C10-12	8.404654e-03	...	1.318538e-04	9.360046e-05	1.333545e-04
C10-12	7.905765e-03	...	9.802552e-05	8.209353e-05	9.860083e-05
C10-12	1.727093e-04	...	4.550570e-06	3.234954e-06	4.591673e-06
C10-12	5.498057e-03	...	7.315828e-05	5.301445e-05	7.377382e-05
C10-12	1.152381e-01	...	2.974300e-03	2.098071e-03	3.018310e-03
C10-12	4.287313e-02	...	1.098539e-03	7.068466e-04	1.117793e-03
C10-12	1.712746e-02	...	2.062177e-06	2.112758e-06	2.205238e-06
C10-12	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	9.041741e-03	...	6.641683e-03	5.626192e-03	6.433202e-03
C13-15	2.776329e-04	...	8.715944e-05	7.554857e-05	8.504557e-05
C13-15	8.276377e-03	...	7.561799e-05	5.737822e-05	1.741396e-04
C16	1.461772e-02	...	3.894038e-04	2.606344e-04	4.198669e-04
C16	1.667104e-03	...	6.537820e-05	4.902702e-05	6.882686e-05
C17	2.720825e-05	...	9.881978e-07	2.825492e-07	1.108665e-06
C17	2.368474e-04	...	6.800459e-06	8.801966e-07	8.278845e-06
C17	6.041442e-04	...	1.291749e-05	4.084439e-05	1.328259e-05
C18	7.978505e-04	...	6.583545e-05	6.470641e-05	6.545890e-05
C19	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C19	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.469646e-04	...	8.405846e-05	7.828448e-05	8.168100e-05
C20-21	1.283465e-02	...	1.030190e-04	7.265074e-05	9.647746e-05
C20-21	3.762941e-04	...	1.016196e-02	9.846548e-03	9.876112e-03
C20-21	3.381352e-05	...	1.314360e-07	1.025706e-07	1.333905e-07
C20-21	5.280045e-02	...	5.540678e-06	4.301378e-06	5.681768e-06
C20-21	1.875038e-02	...	9.725564e-04	5.193508e-04	9.442945e-04
C22	4.202877e-02	...	2.174601e-03	8.629436e-04	2.479052e-03
C23	6.251317e-05	...	2.014982e-06	1.518028e-06	1.987894e-06
C23	1.358951e-04	...	4.381531e-06	3.297176e-06	4.323251e-06
C23	1.276775e-04	...	1.784388e-05	1.380398e-05	1.763182e-05
C23	2.289521e-04	...	4.254227e-05	3.285088e-05	4.217301e-05
C23	1.634842e-03	...	2.741305e-04	1.879373e-04	2.737905e-04
C23	2.811363e-04	...	5.226312e-05	4.028827e-05	5.175141e-05
C23	3.952822e-03	...	1.110032e-04	2.222585e-04	1.109455e-04
C24	1.262169e-04	...	4.783908e-04	2.995634e-04	4.679947e-04
C24	1.077673e-03	...	3.713505e-03	2.324035e-03	3.632704e-03
C24	1.982508e-06	...	6.827735e-07	2.381814e-07	7.383723e-07

C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.269539e-03	...	7.203007e-05	4.599727e-05	7.053001e-05
C24	6.856220e-05	...	5.366109e-06	3.983261e-06	5.124644e-06
C24	3.979939e-05	...	1.160776e-04	2.276814e-05	1.288628e-04
C24	6.403691e-05	...	2.969913e-04	5.699742e-05	3.301078e-04
C24	1.639986e-04	...	1.604482e-05	1.096951e-05	2.695307e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.144278e-05	...	3.816629e-06	2.462973e-06	3.826056e-06
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.797166e-04	...	5.072207e-05	3.269568e-05	4.955906e-05
C25_33	2.769240e-02	...	1.536955e-03	8.634491e-04	1.526442e-03
C25	6.331853e-03	...	4.364375e-03	8.585882e-04	4.517717e-03
C26	5.980816e-04	...	3.043995e-05	2.031572e-05	2.840033e-05
C27	8.347724e-02	...	7.805775e-03	4.540123e-03	6.949279e-03
C27	2.844075e-03	...	8.859300e-04	1.829691e-04	9.476901e-04
C28_32	2.758250e-03	...	2.721357e-04	1.201285e-04	2.656075e-04
C29	1.783325e-02	...	1.670108e-02	1.170812e-02	1.684926e-02
C30	7.118535e-04	...	6.480294e-04	4.669358e-04	6.560731e-04
C31	6.545841e-02	...	1.042318e-04	7.115202e-05	1.066424e-04
E37-39	7.315856e-06	...	2.453964e-10	1.601377e-10	2.747465e-10
E37-39	1.076183e-05	...	1.072767e-05	1.012243e-05	1.078715e-05
D35	2.643214e-04	...	2.421272e-05	2.296997e-05	2.419990e-05
D35	1.742521e-05	...	1.582487e-06	1.501277e-06	1.581643e-06
D35	1.970170e-04	...	1.790624e-05	1.698719e-05	1.789676e-05
D35	1.142991e-04	...	1.039544e-05	9.861890e-06	1.038992e-05
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.128078e-06	...	1.021655e-07	9.695829e-08	1.021347e-07
D35	1.115498e-05	...	1.011767e-06	9.614391e-07	1.011651e-06
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	7.409453e-05	...	7.448280e-06	7.066034e-06	7.444295e-06
D35	8.520651e-04	...	7.917736e-05	7.511361e-05	7.913547e-05
D35	5.344301e-05	...	4.859061e-06	4.609673e-06	4.856465e-06
D35	3.625385e-04	...	3.307166e-05	3.137435e-05	3.305411e-05
E36	9.225416e-05	...	2.841006e-05	2.066701e-05	2.803703e-05
F	5.392874e-03	...	1.881591e-04	2.022028e-04	1.889017e-04
F	2.427230e-06	...	5.334350e-07	5.132878e-07	5.307987e-07
G45	1.048222e-03	...	3.824792e-04	1.090567e-04	4.201244e-04
G47	5.258934e-04	...	2.817366e-04	1.416184e-04	2.994979e-04
G46	7.089211e-02	...	2.877037e-03	2.476546e-03	2.891071e-03
G47	8.704766e-02	...	2.545641e-03	2.225485e-03	2.533452e-03
I	8.020680e-03	...	1.799927e-05	1.909085e-03	1.805135e-05
H49	5.053399e-02	...	8.146075e-03	6.160897e-05	1.077474e-02
H49	9.337165e-02	...	6.289289e-02	1.614645e-02	6.807738e-02
H49	1.588122e-04	...	4.196894e-04	2.493550e-04	4.028822e-04

	H50	7.065976e-03	...	2.577821e-02	2.339349e-02	2.524654e-02
	H50	2.732902e-05	...	1.495614e-06	5.045093e-08	1.980649e-06
	H51	1.249749e-03	...	2.645946e-02	2.233681e-02	2.624254e-02
	H52	5.421975e-02	...	9.514770e-03	3.595455e-03	1.023317e-02
	H53	4.835068e-03	...	1.769843e-03	9.095174e-06	2.454179e-03
	K64	1.054756e-02	...	1.626525e-04	7.808541e-05	1.648502e-04
	K65	8.295488e-04	...	1.674563e-08	5.244525e-09	2.123819e-08
	K66	5.996510e-05	...	3.290850e-06	2.983609e-06	3.340647e-06
	L68	2.246529e-03	...	1.234830e-04	1.334107e-04	1.170315e-04
	M_N	2.502992e-03	...	8.056941e-06	7.207728e-06	7.997205e-06
	J62_63	1.839861e-04	...	5.059646e-05	4.387903e-05	4.975846e-05
	M_N	4.566039e-03	...	4.780940e-05	3.403299e-05	4.871191e-05
	M_N	2.216435e-02	...	2.685899e-04	1.179480e-04	2.713631e-04
	O84	2.457653e-03	...	1.027015e-05	2.890597e-05	1.104229e-05
	P85	2.758212e-03	...	1.306444e-05	2.389335e-05	1.366931e-05
	M_N	2.642349e-04	...	1.589270e-04	1.649659e-04	1.554850e-04
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	2.455982e-09	...	3.642885e-10	1.476580e-10	6.293424e-10
	E37-39	6.826458e-07	...	3.325506e-08	1.500759e-08	4.292088e-08
	E37-39	5.434301e-04	...	4.882142e-06	2.478323e-06	6.211928e-06
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	9.275613e-07	...	3.891171e-08	1.710208e-08	6.344378e-08
	E37-39	4.465162e-05	...	1.159730e-06	4.200398e-07	1.850369e-06
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.958833e-05	...	2.785065e-07	1.658222e-07	3.508025e-07
	E37-39	3.022757e-05	...	7.417808e-07	3.705087e-07	9.311670e-07
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	8.159197e-05	...	6.545305e-07	4.041514e-07	6.595961e-07
	E37-39	1.307358e-04	...	1.171686e-06	7.047148e-07	1.187495e-06
	E37-39	2.585248e-04	...	2.123744e-06	1.333880e-06	2.130118e-06
	E37-39	1.814934e-04	...	1.687369e-06	1.033132e-06	1.699240e-06
	E37-39	1.925829e-05	...	7.272148e-05	5.051786e-05	6.748061e-05
	E37-39	2.746951e-04	...	3.132123e-06	1.877505e-06	3.502900e-06
	E37-39	3.683150e-05	...	3.718274e-07	2.340965e-07	3.669648e-07
	E37-39	4.902160e-05	...	4.856006e-07	3.016603e-07	4.896786e-07
	R_S	1.999864e-05	...	2.894398e-06	4.852440e-06	2.876314e-06
	R_S	5.482137e-04	...	7.321096e-05	9.125162e-05	7.294750e-05
	R_S	4.834817e-05	...	1.752984e-05	1.864957e-05	1.743572e-05
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
SK	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	8.957854e-02	...	1.080302e-07	3.377980e-08	1.171645e-07
	A01	2.498641e-01	...	1.312419e-03	1.057170e-03	1.303968e-03
	A01	7.174372e-04	...	5.871542e-04	4.160067e-04	5.959107e-04
	A01	2.246165e-10	...	7.371127e-05	4.235604e-05	7.605669e-05
	A01	2.587212e-03	...	1.556226e-14	5.718365e-15	1.732808e-14
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

A01	2.396718e-02	...	8.467940e-05	2.950942e-05	8.872495e-05
A01	3.407042e-05	...	1.083333e-05	2.033186e-11	1.277863e-05
A01	4.894976e-05	...	1.556382e-05	2.926549e-11	1.835863e-05
A01	3.966565e-05	...	1.261194e-05	2.373953e-11	1.487667e-05
A01	2.554106e-03	...	1.345708e-05	9.426773e-06	1.369383e-05
A01	1.946350e-03	...	1.068036e-05	7.667466e-06	1.083290e-05
A01	6.856065e-05	...	5.945794e-05	4.106174e-11	7.013469e-05
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A02	4.463686e-03	...	1.119071e-05	7.353578e-06	1.149983e-05
A03	8.035564e-07	...	4.635345e-07	4.284245e-07	4.640323e-07
B_nongas	1.418734e-04	...	2.974209e-06	1.550313e-06	3.282544e-06
B_nongas	7.137719e-07	...	1.126361e-08	7.422886e-09	1.191610e-08
B_gas	1.556122e-05	...	1.134229e-07	3.677449e-08	1.269742e-07
B_gas	3.440949e-05	...	3.477373e-08	2.343835e-08	3.662289e-08
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	4.775134e-07	...	1.033454e-08	1.771954e-09	1.207368e-08
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	5.030930e-06	...	1.549964e-08	1.439101e-09	1.816884e-08
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	2.306611e-04	...	8.039303e-07	3.363536e-07	8.812181e-07
B_nongas	1.799746e-04	...	6.336140e-06	3.970475e-06	6.176505e-06
B_nongas	1.943377e-03	...	1.028797e-03	7.093794e-04	1.005088e-03
C10-12	4.078926e-03	...	2.503640e-05	1.839607e-05	2.529385e-05
C10-12	5.510897e-03	...	3.214887e-05	2.174664e-05	3.293092e-05
C10-12	4.739502e-03	...	2.723682e-05	1.599556e-05	2.850354e-05
C10-12	3.278550e-03	...	1.544937e-05	6.515416e-06	1.668045e-05
C10-12	5.525245e-02	...	3.565851e-05	2.340052e-05	3.792920e-05
C10-12	3.270749e-02	...	1.371894e-04	8.619257e-05	1.414318e-04
C10-12	6.471533e-04	...	3.390808e-06	2.394954e-06	3.425582e-06
C10-12	6.031957e-02	...	9.950265e-05	6.959247e-05	1.007319e-04
C10-12	5.778307e-01	...	2.976795e-03	2.082112e-03	3.009754e-03
C10-12	2.917703e-01	...	1.509689e-03	9.689170e-04	1.535738e-03
C10-12	2.580566e-02	...	1.948515e-06	1.017969e-06	2.167487e-06
C10-12	3.753929e-05	...	2.768056e-05	3.278561e-06	2.837486e-05
C13-15	8.228596e-03	...	1.937638e-03	1.640255e-03	1.877284e-03
C13-15	1.010514e-03	...	2.704790e-05	3.604919e-05	2.906020e-05
C13-15	3.421800e-02	...	2.488365e-06	1.471599e-06	1.859755e-04
C16	1.120456e-02	...	6.784018e-05	3.866426e-05	6.229155e-05
C16	6.171612e-03	...	3.894326e-05	2.300612e-05	3.595676e-05
C17	7.443528e-04	...	1.191507e-04	8.865069e-05	1.211902e-04
C17	1.180264e-04	...	4.736991e-05	3.826785e-05	4.733233e-05
C17	7.568410e-03	...	1.503426e-05	3.446861e-05	1.652441e-05
C18	1.174983e-03	...	3.128396e-05	2.213459e-05	3.201964e-05

C19	8.364954e-07	...	5.614162e-06	5.372285e-06	5.548479e-06
C19	8.772015e-01	...	3.310141e-04	2.728229e-04	3.265095e-04
C24	2.763629e-10	...	1.586249e-08	1.512881e-08	1.575013e-08
C20-21	5.350871e-02	...	6.625275e-04	5.685172e-04	6.637454e-04
C20-21	1.075316e-02	...	1.530510e-04	1.303023e-04	1.534282e-04
C20-21	2.012272e-04	...	3.638342e-08	2.422481e-08	3.786339e-08
C20-21	1.111061e-05	...	6.749747e-08	4.518614e-08	7.452548e-08
C20-21	2.505118e-05	...	3.661879e-07	2.256606e-07	4.125724e-07
C22	4.511138e-02	...	1.271388e-03	1.002928e-04	1.590743e-03
C23	1.967550e-03	...	6.435116e-06	2.788790e-06	6.080861e-06
C23	2.509279e-04	...	1.023185e-06	4.940526e-07	9.780059e-07
C23	2.816014e-04	...	3.626532e-05	2.486020e-05	3.545024e-05
C23	1.663193e-04	...	6.545077e-05	4.502751e-05	6.403239e-05
C23	6.708616e-04	...	4.056232e-05	2.591810e-05	4.073295e-05
C23	1.687438e-04	...	6.641507e-05	4.566232e-05	6.498092e-05
C23	7.895940e-04	...	4.592781e-05	3.451186e-05	4.499162e-05
C24	2.782529e-03	...	1.334280e-03	8.362460e-04	1.301927e-03
C24	5.124768e-04	...	2.902951e-04	1.819212e-04	2.833816e-04
C24	4.533801e-04	...	1.075030e-02	2.533383e-03	1.174423e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.277015e-03	...	3.443280e-05	1.990068e-05	3.120709e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.110288e-03	...	7.346031e-05	4.915612e-05	7.072926e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.137268e-03	...	3.194987e-05	1.858846e-05	3.347549e-05
C24	3.246761e-04	...	8.078759e-05	5.377301e-05	7.794783e-05
C24	1.093869e-04	...	1.732326e-06	1.004668e-06	1.564427e-06
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.878069e-03	...	5.985405e-05	3.820031e-05	5.638410e-05
C25_33	3.194820e-02	...	1.608514e-03	9.184028e-04	1.553828e-03
C25	6.817915e-03	...	4.170228e-03	6.298867e-04	4.290137e-03
C26	5.357475e-03	...	1.215434e-04	5.603981e-05	1.180823e-04
C27	1.551720e-01	...	2.193606e-02	1.277337e-02	1.952772e-02
C27	4.515396e-03	...	2.997156e-03	4.226264e-04	3.379861e-03
C28_32	1.992175e-03	...	1.413877e-04	5.076946e-05	1.432397e-04
C29	3.263539e-03	...	8.790933e-02	6.281260e-02	8.983371e-02
C30	1.384114e-03	...	8.503981e-04	5.836908e-04	8.430643e-04
C31	1.210408e-01	...	1.304453e-04	6.877940e-05	1.283882e-04
E37-39	4.660359e-05	...	1.325735e-05	1.045375e-05	1.362684e-05
E37-39	1.069115e-04	...	5.400433e-05	2.081402e-05	5.746253e-05
D35	6.990049e-05	...	4.369077e-06	2.736299e-06	4.058390e-06
D35	7.143598e-05	...	4.699208e-06	2.945376e-06	4.354323e-06
D35	1.812033e-04	...	1.112547e-05	6.867437e-06	1.019514e-05
D35	5.076525e-05	...	3.452277e-06	2.163771e-06	3.198851e-06
D35	1.989844e-07	...	6.207084e-09	4.093061e-09	5.786606e-09
D35	2.079988e-05	...	1.371497e-06	8.596478e-07	1.270831e-06
D35	9.070414e-06	...	4.383202e-07	2.747020e-07	4.061690e-07
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	8.494459e-06	...	5.702216e-07	3.571709e-07	5.283175e-07
D35	1.023382e-04	...	6.374705e-06	3.995940e-06	5.906937e-06
D35	2.079353e-04	...	1.274676e-05	7.990604e-06	1.181154e-05
D35	2.269644e-04	...	1.420762e-05	8.906450e-06	1.316525e-05
D35	4.388910e-05	...	1.901097e-06	1.192364e-06	1.761949e-06
E36	4.416442e-04	...	4.947475e-05	3.397648e-05	4.756515e-05
F	1.390989e-02	...	1.014709e-03	6.002212e-04	9.301428e-04
F	1.545085e-06	...	1.240790e-07	7.782400e-08	1.152267e-07
G45	4.569744e-04	...	4.401367e-04	3.145445e-04	4.500131e-04
G47	1.176080e-04	...	6.951381e-05	5.139689e-05	7.096959e-05
G46	9.569291e-02	...	2.946254e-03	1.723781e-03	2.776711e-03
G47	1.032437e-02	...	7.792268e-04	7.394134e-04	7.832304e-04
I	3.730684e-03	...	1.492815e-05	8.731271e-04	1.523390e-05
H49	3.768604e-02	...	1.423553e-03	2.652662e-05	1.875187e-03
H49	1.061114e-01	...	1.861715e-03	5.066109e-04	2.010747e-03
H49	1.028533e-03	...	8.096997e-05	5.050838e-05	7.826393e-05
H50	2.104258e-03	...	1.938383e-05	1.768516e-05	1.899003e-05
H50	1.041514e-04	...	2.945565e-08	1.209447e-07	2.919221e-08
H51	2.004402e-03	...	1.427769e-03	1.167659e-03	1.413492e-03
H52	6.345498e-02	...	3.226618e-04	1.360594e-04	3.275302e-04
H53	2.151818e-03	...	2.465785e-04	3.691171e-05	3.220597e-04
K64	1.953860e-02	...	1.737526e-07	9.500644e-08	1.541201e-07
K65	4.243373e-04	...	2.837445e-10	0.000000e+00	5.478276e-10
K66	2.301621e-04	...	3.147226e-08	1.712230e-08	3.391582e-08
L68	2.842419e-03	...	2.949619e-05	2.907393e-05	3.018950e-05
M_N	1.153925e-02	...	1.869976e-04	1.407885e-04	1.979033e-04
J62_63	1.205114e-03	...	1.333118e-05	4.228049e-06	1.543964e-05
M_N	1.838605e-03	...	1.535268e-05	1.018050e-05	1.558841e-05
M_N	5.185063e-02	...	6.761929e-04	3.829052e-04	7.026714e-04
O84	1.293310e-03	...	8.341226e-06	2.546982e-05	8.903611e-06
P85	7.749974e-04	...	9.472047e-06	2.547629e-05	9.630777e-06
M_N	6.107918e-04	...	7.678585e-06	3.295342e-05	7.802194e-06
E37-39	6.526948e-05	...	1.208136e-06	9.669398e-07	1.286595e-06
E37-39	5.630281e-05	...	1.038483e-06	8.204906e-07	1.116655e-06
E37-39	1.823297e-05	...	2.844580e-07	1.846899e-07	3.264075e-07
E37-39	1.457373e-03	...	6.507156e-06	5.155431e-06	6.857021e-06
E37-39	9.238539e-06	...	2.804542e-07	1.966465e-07	3.531345e-07
E37-39	1.966822e-05	...	5.609688e-07	4.089335e-07	6.625675e-07
E37-39	8.492035e-05	...	2.122526e-06	1.421742e-06	2.609036e-06
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.907458e-04	...	3.754357e-06	3.019973e-06	3.938050e-06
E37-39	2.245360e-04	...	4.286507e-06	3.260685e-06	4.577742e-06
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.550572e-04	...	2.900803e-06	2.358573e-06	2.915808e-06

	E37-39	2.441281e-04	...	4.630841e-06	3.750816e-06	4.668677e-06
	E37-39	4.044766e-04	...	7.437870e-06	6.111502e-06	7.498473e-06
	E37-39	2.379002e-04	...	4.489100e-06	3.656195e-06	4.524988e-06
	E37-39	2.036976e-05	...	1.382349e-04	9.610186e-05	1.282843e-04
	E37-39	1.349423e-03	...	8.997831e-06	5.121000e-06	9.569780e-06
	E37-39	5.008113e-05	...	1.061856e-06	8.434230e-07	1.054895e-06
	E37-39	6.230603e-05	...	1.309861e-06	1.037086e-06	1.313315e-06
	R_S	1.241587e-03	...	1.445481e-05	9.815125e-06	1.517090e-05
	R_S	1.361835e-02	...	1.338135e-05	1.955313e-05	1.303823e-05
	R_S	4.849906e-04	...	7.409901e-05	6.293902e-05	7.181054e-05
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
GB	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	7.984244e-03	...	5.537754e-04	2.466894e-04	5.866178e-04
	A01	1.489728e-03	...	1.849689e-03	1.461377e-03	1.843030e-03
	A01	3.189696e-04	...	7.209179e-02	5.107803e-02	7.316692e-02
	A01	5.783575e-09	...	3.840652e-03	2.206919e-03	3.962855e-03
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	5.341418e-10	3.102763e-10	0.000000e+00
	A01	1.391705e-01	...	7.361139e-03	2.400937e-03	7.960132e-03
	A01	1.061572e-04	...	5.074448e-03	1.839998e-08	5.985632e-03
	A01	9.215317e-06	...	8.761756e-04	6.318962e-09	1.033503e-03
	A01	1.499029e-05	...	1.536680e-03	9.077605e-09	1.812609e-03
	A01	3.799245e-05	...	7.547384e-03	1.341907e-05	8.895947e-03
	A01	4.004228e-06	...	1.941133e-05	7.834329e-07	2.250934e-05
	A01	7.797290e-05	...	6.590727e-07	4.178694e-08	7.600016e-07
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	2.440357e-04	...	1.250554e-05	5.321429e-05	1.368999e-05
	A03	1.529621e-06	...	3.668907e-05	4.213066e-05	3.593225e-05
	B_nongas	7.665862e-06	...	2.983332e-02	2.373698e-02	3.161396e-02
	B_nongas	5.040506e-04	...	3.627609e-03	7.431938e-04	4.205888e-03
	B_gas	1.313591e-03	...	9.322350e-03	1.914481e-03	1.080650e-02
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	8.591553e-10	...	9.994624e-10	2.654652e-10	1.080143e-09
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.237644e-05	...	1.541721e-05	4.098205e-06	1.669323e-05
	B_nongas	8.650462e-08	...	9.516609e-08	2.616166e-08	1.139632e-07
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.515006e-02	...	3.431231e-02	1.059387e-03	3.740397e-02
	B_nongas	4.594905e-03	...	1.042727e-02	3.274673e-04	1.136666e-02
	B_nongas	5.880714e-02	...	1.332778e-01	4.312965e-03	1.452668e-01
	C10-12	2.035541e-02	...	1.861182e-02	1.334109e-02	1.877165e-02
	C10-12	1.236992e-02	...	1.130771e-02	8.085149e-03	1.140271e-02

C10-12	1.638373e-03	...	1.882697e-03	1.356362e-03	1.929128e-03
C10-12	2.377039e-03	...	2.307382e-03	1.659175e-03	2.328027e-03
C10-12	7.764791e-03	...	6.876225e-03	4.697398e-03	7.156732e-03
C10-12	4.730943e-02	...	8.434292e-03	6.041963e-03	8.368231e-03
C10-12	2.483430e-03	...	2.247027e-03	1.603344e-03	2.279801e-03
C10-12	2.401055e-05	...	1.395016e-04	1.115187e-04	1.429022e-04
C10-12	3.128118e-01	...	4.687263e-01	1.719648e-01	4.922399e-01
C10-12	1.628417e-01	...	1.680993e-01	1.049840e-01	1.711683e-01
C10-12	1.491117e-02	...	2.441013e-03	1.708921e-03	2.395714e-03
C10-12	3.670845e-05	...	3.738847e-03	5.215609e-04	3.858286e-03
C13-15	9.502928e-03	...	2.368355e-01	2.003303e-01	2.294099e-01
C13-15	4.447486e-04	...	3.755861e-03	3.387751e-03	3.687320e-03
C13-15	4.009330e-03	...	1.238407e-02	8.300256e-03	1.378052e-02
C16	4.390568e-03	...	9.303310e-03	6.184114e-04	1.013713e-02
C16	2.656268e-03	...	5.701604e-03	3.014188e-04	6.222925e-03
C17	4.078786e-05	...	8.299771e-04	7.264695e-04	8.194579e-04
C17	7.262691e-04	...	5.906173e-03	5.060563e-03	5.934807e-03
C17	8.104668e-03	...	1.780438e-03	1.254417e-03	2.005456e-03
C18	6.186820e-03	...	6.858399e-03	4.461302e-03	6.815330e-03
C19	2.995077e-09	...	6.195850e-05	3.555492e-05	8.240556e-05
C19	3.494954e-03	...	6.358903e-01	5.253639e-01	6.311889e-01
C24	2.674530e-08	...	3.219174e-02	2.033775e-06	3.149088e-02
C20-21	2.653157e-03	...	2.489246e-01	2.296348e-01	2.436622e-01
C20-21	4.049758e-04	...	4.609267e-02	4.286630e-02	4.508115e-02
C20-21	2.910581e-07	...	3.944254e-06	2.480758e-06	4.154163e-06
C20-21	4.930866e-06	...	6.550229e-05	4.172545e-05	6.650145e-05
C20-21	3.794250e-04	...	2.265399e-02	1.418368e-02	2.216631e-02
C22	4.553435e-02	...	6.657001e-02	2.586369e-02	7.460217e-02
C23	5.775065e-03	...	9.913650e-04	5.941685e-04	9.989687e-04
C23	2.496865e-03	...	2.420353e-04	1.236447e-04	2.428466e-04
C23	2.530011e-04	...	2.721975e-04	1.375501e-04	2.687751e-04
C23	5.122535e-05	...	1.847102e-04	9.613227e-05	1.868666e-04
C23	4.716745e-04	...	3.702928e-03	2.297428e-03	3.754694e-03
C23	1.206065e-04	...	3.762014e-04	1.805840e-04	3.795786e-04
C23	6.984722e-03	...	8.474643e-04	8.663772e-04	8.579260e-04
C24	3.556436e-04	...	1.149920e-01	7.199399e-02	1.125602e-01
C24	1.221854e-04	...	4.864248e-02	3.047501e-02	4.761140e-02
C24	8.277185e-05	...	1.041805e-01	2.422397e-02	1.139089e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.119733e-04	...	1.670074e-03	1.093788e-03	1.681839e-03
C24	3.650230e-04	...	2.853112e-03	1.895923e-03	2.876208e-03
C24	2.346921e-04	...	6.128270e-02	1.154493e-02	6.818752e-02
C24	3.825739e-05	...	4.099779e-02	7.556200e-03	4.565579e-02
C24	1.994309e-04	...	1.561789e-03	1.028782e-03	5.620355e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.823086e-04	...	1.474143e-03	9.681636e-04	1.499281e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.082470e-04	...	5.268241e-03	3.502958e-03	5.289867e-03

C25_33	7.069760e-02	...	4.601587e-01	2.957136e-01	4.523392e-01
C25	6.380734e-02	...	5.174158e-01	3.318097e-01	5.084188e-01
C26	2.958166e-03	...	6.494264e-02	4.064809e-02	6.689156e-02
C27	5.742617e-02	...	2.988674e-01	1.855878e-01	2.837278e-01
C27	4.732695e-03	...	9.159012e-02	5.970499e-02	9.403700e-02
C28_32	5.838401e-03	...	1.595151e-01	1.044210e-01	1.619254e-01
C29	2.570369e-02	...	4.768878e-01	3.129389e-01	4.853462e-01
C30	4.201849e-02	...	3.181338e-01	2.086302e-01	3.150043e-01
C31	5.010280e-02	...	1.622688e-01	1.079170e-01	1.644195e-01
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	6.133653e-08	...	1.938458e-05	1.019715e-05	2.011168e-05
D35	1.886955e-05	...	5.752407e-05	2.153159e-05	6.269700e-05
D35	2.468590e-04	...	8.356122e-04	2.053032e-04	9.623322e-04
D35	9.678352e-06	...	8.616946e-05	2.136324e-05	9.862631e-05
D35	1.225691e-06	...	6.080717e-06	1.512467e-06	6.956677e-06
D35	1.211910e-06	...	5.898700e-06	1.545555e-06	6.686969e-06
D35	7.157826e-06	...	3.631587e-05	8.920683e-06	4.163188e-05
D35	2.399170e-06	...	1.198033e-05	3.023937e-06	1.367324e-05
D35	2.692833e-09	...	1.499821e-08	3.065909e-09	1.727403e-08
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.117604e-06	...	5.581882e-06	1.393320e-06	6.381896e-06
D35	6.665415e-05	...	2.631557e-04	6.958576e-05	2.979056e-04
D35	2.410158e-04	...	8.497846e-04	2.262890e-04	9.714089e-04
D35	1.241183e-04	...	3.942255e-04	1.032750e-04	4.587731e-04
D35	9.949002e-07	...	4.894624e-06	1.212913e-06	5.604375e-06
E36	2.740056e-05	...	2.218890e-04	6.121985e-05	2.636303e-04
F	1.378111e-03	...	1.687032e-04	2.488005e-04	1.856672e-04
F	1.842464e-06	...	2.054426e-06	2.178168e-06	2.072519e-06
G45	3.065003e-04	...	7.728721e-04	3.004792e-03	7.523219e-04
G47	1.877894e-04	...	5.165680e-03	4.544365e-03	5.232020e-03
G46	8.355835e-03	...	3.298218e-01	3.130949e-01	3.315647e-01
G47	2.274164e-03	...	4.791662e-01	4.722358e-01	4.757727e-01
I	6.070480e-03	...	3.650961e-04	7.667507e-02	3.521222e-04
H49	6.781597e-03	...	3.181144e-01	1.633397e-04	4.215802e-01
H49	2.282521e-02	...	6.830724e-01	1.744906e-01	7.395356e-01
H49	9.425559e-06	...	1.649529e-03	9.677657e-04	1.581711e-03
H50	3.047568e-03	...	2.375196e-01	2.156372e-01	2.326189e-01
H50	2.981665e-05	...	3.911784e-05	6.358650e-05	3.882602e-05
H51	4.055378e-03	...	4.280838e+00	3.615746e+00	4.246194e+00
H52	1.203464e-02	...	2.723624e-05	5.438835e-04	2.802797e-05
H53	6.779820e-03	...	1.235693e-01	9.864385e-04	1.711707e-01
K64	8.477771e-02	...	4.755066e-04	2.599925e-04	4.199668e-04
K65	2.963356e-03	...	3.266579e-06	8.899071e-07	4.571649e-06
K66	8.117865e-04	...	4.788924e-05	1.437829e-04	5.321800e-05
L68	1.285519e-03	...	1.498286e-05	6.967285e-06	1.806374e-05
M_N	4.628739e-03	...	1.183143e-05	1.155957e-06	1.583647e-05

J62_63	1.811969e-02	...	2.761259e-02	1.487202e-02	2.541558e-02
M_N	5.729025e-04	...	2.685887e-05	1.360005e-05	3.017250e-05
M_N	1.292918e-01	...	8.335756e-05	2.148188e-04	8.825762e-05
O84	1.241565e-05	...	0.000000e+00	0.000000e+00	0.000000e+00
P85	1.374260e-04	...	3.419348e-05	1.002745e-04	3.252802e-05
M_N	5.526931e-06	...	8.745983e-06	1.268210e-05	9.248731e-06
E37-39	8.859983e-06	...	9.857612e-05	2.667778e-05	1.251043e-04
E37-39	6.993708e-06	...	7.948145e-05	2.132407e-05	1.024007e-04
E37-39	3.175043e-06	...	1.851905e-05	6.952485e-06	2.188322e-05
E37-39	2.292639e-04	...	3.521323e-04	8.827266e-05	4.708199e-04
E37-39	1.569040e-06	...	2.167180e-05	1.030890e-05	2.679720e-05
E37-39	1.741337e-06	...	3.066189e-05	1.392701e-05	3.848803e-05
E37-39	8.791867e-06	...	2.662582e-04	6.718570e-05	3.861600e-04
E37-39	7.405002e-07	...	9.440532e-06	3.550143e-06	1.051209e-05
E37-39	2.030492e-07	...	1.368373e-06	5.210624e-07	1.544574e-06
E37-39	3.013480e-05	...	5.736448e-04	2.813524e-04	7.703117e-04
E37-39	7.607982e-05	...	2.054750e-03	7.881355e-04	2.616011e-03
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.199506e-05	...	1.169152e-04	5.698132e-05	1.179330e-04
E37-39	4.325703e-05	...	3.201872e-04	1.485527e-04	3.174463e-04
E37-39	3.643003e-05	...	3.660865e-04	1.806313e-04	3.609796e-04
E37-39	3.523325e-05	...	3.637535e-04	1.666588e-04	3.703012e-04
E37-39	1.579788e-05	...	9.466426e-02	6.573485e-02	8.784173e-02
E37-39	3.692565e-05	...	6.849180e-04	3.501843e-04	8.161229e-04
E37-39	6.319903e-06	...	7.065634e-05	3.600439e-05	7.075299e-05
E37-39	1.156904e-05	...	1.526451e-04	7.703546e-05	1.559450e-04
R_S	5.812832e-05	...	2.013558e-05	3.430787e-05	2.071649e-05
R_S	2.341894e-03	...	3.807661e-05	6.123895e-04	4.153220e-05
R_S	2.161030e-04	...	2.633009e-04	1.529228e-04	2.706320e-04
T	2.959886e-06	...	1.973702e-09	7.333963e-10	2.411027e-09
U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
US A01	5.083804e-06	...	6.747166e-05	2.112836e-05	7.314658e-05
A01	2.230519e-05	...	6.033438e-01	4.788227e-01	5.997755e-01
A01	5.464307e-03	...	9.236270e-01	7.429612e-01	9.178688e-01
A01	6.078145e-04	...	7.131023e-01	5.048957e-01	7.237978e-01
A01	6.300049e-05	...	1.994215e+00	1.145700e+00	2.057712e+00
A01	1.305209e-05	...	1.730086e-04	5.417662e-05	1.875600e-04
A01	2.670234e-05	...	3.465889e-04	1.086555e-04	3.752393e-04
A01	1.244654e-02	...	1.668702e-01	5.225448e-02	1.809054e-01
A01	1.478503e-04	...	1.942941e-03	6.084197e-04	2.106358e-03
A01	5.346477e-05	...	7.070748e-04	2.214145e-04	7.665467e-04
A01	2.562692e-05	...	3.407045e-04	1.066897e-04	3.693605e-04
A01	2.652242e-06	...	8.700772e-04	1.096262e-05	1.022970e-03
A01	2.603086e-03	...	6.553160e-06	2.160797e-06	7.104346e-06
A01	1.880998e-06	...	2.387374e-05	7.475862e-06	2.588172e-05
A01	1.421832e-07	...	1.885052e-06	5.902874e-07	2.043603e-06
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

A02	7.064121e-07	...	4.944981e-04	3.453453e-04	5.036470e-04
A03	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	1.508084e+00	1.202803e+00	1.597650e+00
B_nongas	7.494225e-04	...	9.073291e-02	6.672253e-02	8.894505e-02
B_gas	1.490074e-03	...	1.808394e-01	1.329834e-01	1.772758e-01
B_gas	5.317713e-05	...	5.898391e-03	4.431569e-03	5.791469e-03
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	3.465301e-06	...	2.027164e-02	0.000000e+00	2.447534e-02
B_nongas	0.000000e+00	...	8.893834e-05	0.000000e+00	1.073814e-04
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	6.630909e-07	0.000000e+00	8.005953e-07
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	4.813925e-04	...	2.735934e-04	3.513638e-06	3.304096e-04
B_nongas	2.804438e-05	...	2.627694e-04	1.939366e-06	3.172797e-04
B_nongas	1.247007e-02	...	1.300829e+00	8.953409e-01	1.270769e+00
C10-12	5.327191e-04	...	1.295601e-03	7.865426e-04	1.585394e-03
C10-12	2.763896e-04	...	6.595053e-04	3.999279e-04	8.102242e-04
C10-12	2.278156e-04	...	1.655049e-02	6.383327e-04	3.685620e-02
C10-12	2.448722e-04	...	5.209915e-04	3.182243e-04	6.484212e-04
C10-12	2.272547e-03	...	1.386664e-02	1.414239e-03	2.270994e-02
C10-12	1.800285e-03	...	7.369116e-03	3.306589e-03	7.985140e-03
C10-12	4.625831e-07	...	4.208458e-06	1.656978e-06	2.700653e-03
C10-12	1.104107e-03	...	4.750730e-03	2.581769e-04	5.477507e-03
C10-12	1.825049e-01	...	7.689871e-01	5.461204e-01	7.760322e-01
C10-12	2.419617e-02	...	2.950210e-01	2.250287e-03	3.223293e-01
C10-12	2.645691e-02	...	4.167042e-04	3.033944e-04	4.204207e-04
C10-12	9.481463e-05	...	1.289923e-02	1.527770e-03	1.325968e-02
C13-15	6.214334e-03	...	3.010014e-01	2.551744e-01	2.915485e-01
C13-15	8.521178e-05	...	9.683949e-05	3.467651e-04	1.223027e-04
C13-15	8.875307e-03	...	1.442379e-06	6.401815e-07	3.624054e-03
C16	1.315996e-03	...	1.811986e-04	5.298115e-05	2.525364e-04
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.001233e-05	...	7.353583e-01	6.733362e-01	7.196026e-01
C17	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	8.145391e-03	...	2.077882e-01	1.897817e-01	2.035575e-01
C18	2.561208e-03	...	5.909192e-04	1.069878e-03	5.996392e-04
C19	7.407067e-09	...	2.585855e-03	1.806147e-03	2.031193e-03
C19	3.617816e-03	...	1.524543e+00	1.221606e+00	1.504178e+00
C24	0.000000e+00	...	9.064613e-02	6.454918e-07	8.867247e-02
C20-21	5.170499e-03	...	2.416034e+00	2.339699e+00	2.347946e+00
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.876372e-04	...	6.199774e-07	4.226309e-07	8.281123e-07
C20-21	3.085144e-02	...	2.182462e-04	1.466779e-04	2.203485e-04
C20-21	2.617834e-01	...	6.712233e-02	3.558836e-02	6.519340e-02
C22	2.457427e-02	...	7.790160e-02	2.197586e-02	9.172400e-02
C23	6.040263e-03	...	2.964910e-04	1.243615e-04	2.815355e-04

C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	7.741898e-04	...	2.280274e-04	1.129809e-04	2.168682e-04
C23	1.328532e-05	...	2.576093e-06	4.306292e-06	3.671314e-06
C23	1.457735e-04	...	9.295336e-03	6.400090e-03	9.088791e-03
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	3.841992e-03	...	5.052515e-02	3.621882e-02	4.934805e-02
C24	2.545822e-04	...	3.077558e-01	1.920141e-01	3.010812e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.818180e-04	...	1.061152e-01	2.467627e-02	1.159954e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.027794e-04	...	1.654887e-03	4.745124e-04	1.836452e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.706511e-05	...	6.172695e-02	1.118171e-02	6.877901e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.667514e-04	...	6.125601e-03	1.702919e-03	1.464283e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.742183e-05	...	2.413052e-04	9.608822e-05	3.179455e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.054268e-06	...	5.736841e-04	2.873305e-04	5.702380e-04
C25_33	5.251867e-03	...	2.245985e-02	1.205483e-02	2.258433e-02
C25	3.266509e-03	...	4.570325e-01	4.647997e-02	4.768475e-01
C26	1.134715e-02	...	5.124731e-03	1.644743e-03	6.382343e-03
C27	1.376055e-01	...	8.340819e-01	4.846549e-01	7.421708e-01
C27	3.094781e-03	...	1.643227e-01	1.808633e-02	1.854004e-01
C28_32	5.728119e-02	...	2.043611e-02	1.155294e-02	2.125946e-02
C29	1.938769e-03	...	1.293224e+00	9.196504e-01	1.321078e+00
C30	2.179094e-03	...	2.549563e+00	1.806622e+00	2.582904e+00
C31	1.525397e-01	...	2.614860e-02	1.415423e-02	2.432565e-02
E37-39	7.893921e-04	...	1.734181e-02	1.171804e-02	1.763155e-02
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	2.848390e-07	3.366257e-07	4.636249e-07
D35	0.000000e+00	...	1.647651e-07	1.947211e-07	2.681837e-07
D35	0.000000e+00	...	1.200456e-07	1.418712e-07	1.953951e-07
D35	0.000000e+00	...	7.311315e-08	8.640588e-08	1.190043e-07
D35	0.000000e+00	...	9.815792e-09	1.160040e-08	1.597690e-08
D35	0.000000e+00	...	2.784385e-08	3.290616e-08	4.532070e-08
D35	0.000000e+00	...	1.850242e-08	2.186636e-08	3.011591e-08
D35	0.000000e+00	...	2.746693e-10	3.246070e-10	4.470719e-10
D35	0.000000e+00	...	1.935347e-10	2.287213e-10	3.150113e-10
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	4.752016e-09	5.615982e-09	7.734730e-09
D35	0.000000e+00	...	1.496680e-09	1.768792e-09	2.436107e-09
D35	0.000000e+00	...	1.805919e-07	2.134253e-07	2.939446e-07
D35	0.000000e+00	...	2.704786e-07	3.196545e-07	4.402509e-07
D35	0.000000e+00	...	1.187893e-05	1.403863e-05	1.933502e-05
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E36	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
F	1.406801e-04	...	2.133114e-06	1.307759e-06	2.017525e-06

F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	7.093033e-05	...	3.794272e-04	1.404949e-03	3.686090e-04
G47	7.277707e-05	...	2.354883e-03	2.052745e-03	2.385142e-03
G46	2.846040e-03	...	1.812426e-01	1.712960e-01	1.821903e-01
G47	3.922364e-05	...	1.528518e-01	1.457821e-01	1.517691e-01
I	6.160907e-03	...	5.326058e-04	1.140132e-01	5.130641e-04
H49	3.981310e-03	...	2.854560e-01	5.323045e-05	3.783000e-01
H49	1.432443e-02	...	1.623308e+00	4.138386e-01	1.757490e+00
H49	1.827341e-05	...	1.138280e-01	6.668051e-02	1.091479e-01
H50	1.601247e-03	...	3.727161e-02	3.382401e-02	3.650258e-02
H50	5.526669e-06	...	1.875518e-07	5.293410e-05	1.544833e-07
H51	1.379011e-03	...	2.347539e+00	1.982763e+00	2.328541e+00
H52	7.967621e-03	...	7.924030e-02	5.234696e-02	8.076409e-02
H53	8.393347e-03	...	6.494339e-02	2.582444e-05	9.020760e-02
K64	9.102681e-02	...	1.329619e-03	7.271581e-04	1.167313e-03
K65	1.104580e-03	...	6.540620e-07	0.000000e+00	1.262802e-06
K66	1.127311e-05	...	1.635135e-05	8.892953e-06	1.782179e-05
L68	5.319822e-04	...	3.256060e-06	1.517983e-06	3.931069e-06
M_N	1.838688e-03	...	2.082408e-05	5.549742e-06	2.286737e-05
J62_63	4.559947e-04	...	3.211782e-04	1.230691e-04	3.598904e-04
M_N	1.379403e-04	...	1.685501e-04	8.666593e-05	1.893436e-04
M_N	1.064831e-01	...	8.180788e-05	4.482281e-05	9.462524e-05
O84	5.721477e-04	...	2.985981e-03	1.050299e-03	3.237187e-03
P85	9.197894e-06	...	4.941107e-11	2.631296e-11	6.038335e-11
M_N	0.000000e+00	...	3.442133e-07	1.503326e-07	3.629265e-07
E37-39	0.000000e+00	...	5.758599e-08	2.258679e-08	1.073045e-07
E37-39	0.000000e+00	...	6.326936e-08	2.564668e-08	1.093160e-07
E37-39	0.000000e+00	...	8.871907e-08	3.904840e-08	1.158821e-07
E37-39	0.000000e+00	...	2.901624e-07	9.869719e-08	4.624552e-07
E37-39	0.000000e+00	...	6.719274e-08	3.025079e-08	1.174525e-07
E37-39	0.000000e+00	...	9.378249e-08	3.830283e-08	1.621217e-07
E37-39	0.000000e+00	...	4.219104e-07	1.180568e-07	7.456023e-07
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	2.108045e-07	1.200187e-07	3.010040e-07
E37-39	0.000000e+00	...	5.065945e-07	2.331011e-07	6.691487e-07
E37-39	0.000000e+00	...	7.961017e-07	5.782850e-07	9.169337e-07
E37-39	0.000000e+00	...	9.366194e-08	5.435275e-08	8.444865e-08
E37-39	0.000000e+00	...	1.503287e-07	8.141220e-08	1.436296e-07
E37-39	0.000000e+00	...	1.329412e-07	8.322823e-08	1.186778e-07
E37-39	0.000000e+00	...	1.536786e-07	8.913407e-08	1.448677e-07
E37-39	0.000000e+00	...	1.008739e-04	7.008552e-05	9.358572e-05
E37-39	0.000000e+00	...	3.449082e-07	1.950292e-07	4.170923e-07
E37-39	0.000000e+00	...	1.296590e-07	8.179922e-08	1.172376e-07
E37-39	0.000000e+00	...	1.525313e-07	9.286843e-08	1.459269e-07
R_S	2.374750e-09	...	5.304980e-10	1.814833e-10	6.047519e-10
R_S	5.580427e-03	...	1.757533e-05	2.264782e-06	1.980007e-05
R_S	3.215321e-05	...	4.256079e-09	6.732759e-10	3.899178e-09

JP	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	5.653772e-05	4.523210e-05	5.622493e-05
	A01	8.517097e-07	...	7.508013e-04	5.319531e-04	7.619982e-04
	A01	5.742613e-10	...	5.062243e-07	3.586669e-07	5.137737e-07
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.832311e-03	...	2.251110e-03	7.164519e-04	2.438142e-03
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	3.298040e-04	0.000000e+00	3.890250e-04
	A01	0.000000e+00	...	0.000000e+00	5.912549e-10	0.000000e+00
	A01	0.000000e+00	...	6.086321e-05	2.475386e-10	7.179206e-05
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	8.364047e-09	...	5.730689e-08	2.116730e-09	7.178142e-08
	A03	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	6.982059e-07	...	3.535279e-09	0.000000e+00	4.825758e-09
	B_nongas	6.394810e-06	...	1.222936e-09	0.000000e+00	1.468226e-09
	B_nongas	1.040963e-03	...	2.115852e-01	1.459201e-01	2.066977e-01
	C10-12	0.000000e+00	...	1.418156e-09	8.820372e-09	1.637805e-09
	C10-12	0.000000e+00	...	3.753015e-08	2.094291e-09	2.881235e-08
	C10-12	0.000000e+00	...	8.502761e-06	1.990373e-10	1.950618e-05
	C10-12	0.000000e+00	...	1.988664e-10	1.015365e-10	1.479844e-10
	C10-12	2.005342e-04	...	1.991362e-04	1.188319e-04	2.247656e-04
	C10-12	0.000000e+00	...	2.621385e-08	2.987600e-08	2.321152e-08
	C10-12	0.000000e+00	...	5.356986e-09	3.441655e-09	5.708451e-06
	C10-12	6.022727e-05	...	9.820903e-05	6.489605e-05	1.001785e-04
	C10-12	9.822470e-03	...	1.474646e-02	1.052198e-02	1.487178e-02
	C10-12	2.061387e-03	...	1.385455e-02	3.397092e-07	1.514952e-02
	C10-12	8.399546e-04	...	5.178145e-07	7.581492e-06	5.516840e-07
	C10-12	0.000000e+00	...	3.603900e-05	4.268406e-06	3.694295e-05

C13-15	7.096448e-04	...	3.468702e-01	2.938051e-01	3.359014e-01
C13-15	2.360375e-06	...	2.346425e-07	9.265630e-06	2.966719e-07
C13-15	1.114383e-04	...	4.335638e-08	1.629595e-08	1.091248e-04
C16	1.207155e-05	...	2.520534e-06	8.302742e-08	5.753785e-06
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	0.000000e+00	...	1.702139e-04	1.558578e-04	1.665669e-04
C17	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	3.306921e-04	...	4.341261e-06	8.560978e-05	4.281097e-06
C18	6.095111e-06	...	1.617601e-06	3.710043e-05	1.420269e-06
C19	0.000000e+00	...	5.925194e-07	4.138609e-07	4.654184e-07
C19	8.070630e-04	...	4.371928e-02	3.409611e-02	4.285745e-02
C24	0.000000e+00	...	7.194680e-04	0.000000e+00	7.038028e-04
C20-21	0.000000e+00	...	4.676299e-01	4.533379e-01	4.544431e-01
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	...	1.821469e-08	7.248284e-09	5.120572e-08
C20-21	2.503624e-02	...	5.959811e-03	3.155824e-03	5.722451e-03
C22	6.550694e-03	...	4.128665e-02	3.585915e-05	5.323221e-02
C23	1.040964e-03	...	6.521654e-05	2.355241e-05	6.027319e-05
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	4.460543e-05	...	2.195403e-05	9.805587e-06	1.956890e-05
C23	0.000000e+00	...	3.985434e-08	2.193125e-09	5.725719e-08
C23	1.089453e-08	...	2.980461e-06	1.237685e-06	3.229208e-06
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	4.501996e-04	...	1.003401e-05	5.350148e-04	1.151275e-05
C24	0.000000e+00	...	3.917800e-01	2.450704e-01	3.832651e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	7.914780e-04	1.821770e-04	8.657855e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	4.005337e-06	1.841689e-07	5.392144e-06
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	5.355917e-03	9.676310e-04	5.968820e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	9.508232e-08	7.912087e-08	2.082726e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	1.937442e-05	1.189548e-06	3.751340e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	1.105706e-03	...	6.508917e-06	1.065889e-04	9.611949e-06
C25	4.524130e-04	...	1.080250e-01	8.817770e-03	1.130050e-01
C26	2.765569e-03	...	1.122232e-04	3.138652e-05	1.797888e-04
C27	8.493062e-02	...	2.237180e-01	1.306032e-01	1.986030e-01
C27	0.000000e+00	...	9.630726e-03	5.332971e-07	1.118560e-02
C28_32	1.493157e-02	...	1.144579e-03	6.571659e-04	1.389391e-03
C29	4.563240e-04	...	1.860812e+00	1.330495e+00	1.901309e+00
C30	0.000000e+00	...	1.072427e-01	7.614720e-02	1.086587e-01
C31	1.060940e-02	...	5.098994e-04	2.639823e-04	4.694405e-04
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E36	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
F	0.000000e+00	...	1.089926e-06	6.682065e-07	1.030865e-06
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	5.639942e-06	...	3.828479e-08	1.417616e-07	3.719322e-08
G47	6.236471e-06	...	3.027685e-06	2.639224e-06	3.066589e-06
G46	2.233733e-04	...	7.627018e-06	7.208444e-06	7.666895e-06
G47	3.364670e-06	...	1.031015e-05	9.833287e-06	1.023712e-05
I	1.838927e-04	...	4.437220e-06	9.499013e-04	4.274368e-06
H49	2.012626e-04	...	2.145243e-05	4.000345e-09	2.842979e-05
H49	1.204792e-03	...	2.101011e-05	5.356175e-06	2.274682e-05
H49	1.625508e-06	...	1.629859e-05	9.547720e-06	1.562846e-05
H50	6.988297e-04	...	3.027439e-02	2.747404e-02	2.964974e-02
H50	1.675468e-06	...	6.002808e-10	1.694897e-07	4.943957e-10
H51	2.894402e-04	...	1.207372e-03	1.019762e-03	1.197600e-03
H52	5.386522e-04	...	4.217468e-10	6.073053e-10	4.268245e-10
H53	1.256649e-04	...	1.526267e-01	1.422354e-05	2.120337e-01
K64	0.000000e+00	...	2.722651e-08	1.489101e-08	2.390095e-08
K65	2.904782e-04	...	3.895911e-09	0.000000e+00	7.521864e-09
K66	4.996004e-07	...	4.499552e-09	2.447156e-09	4.904187e-09
L68	2.138956e-05	...	1.696135e-10	7.907181e-11	2.047795e-10
M_N	0.000000e+00	...	2.247724e-10	7.916914e-11	2.752319e-10
J62_63	1.391292e-06	...	3.586242e-04	1.373731e-04	4.018397e-04
M_N	1.159994e-05	...	3.717157e-09	1.911266e-09	4.175688e-09
M_N	3.002070e-03	...	2.166577e-10	1.184310e-10	2.508425e-10
O84	2.192174e-06	...	0.000000e+00	0.000000e+00	0.000000e+00
P85	0.000000e+00	...	4.140363e-06	2.204874e-06	5.059777e-06
M_N	0.000000e+00	...	1.867068e-05	8.154280e-06	1.968572e-05
E37-39	0.000000e+00	...	4.332238e-08	1.699275e-08	8.072562e-08
E37-39	0.000000e+00	...	4.777408e-08	1.936624e-08	8.254282e-08
E37-39	0.000000e+00	...	6.715411e-08	2.955747e-08	8.771359e-08
E37-39	0.000000e+00	...	2.192193e-07	7.456697e-08	3.493864e-07

CN	E37-39	0.000000e+00	...	5.004699e-08	2.253181e-08	8.748165e-08
	E37-39	0.000000e+00	...	7.013262e-08	2.864394e-08	1.212380e-07
	E37-39	0.000000e+00	...	3.126463e-07	8.748314e-08	5.525102e-07
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	3.666824e-07	1.687229e-07	4.843420e-07
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	8.761732e-08	5.084501e-08	7.899862e-08
	E37-39	0.000000e+00	...	1.407357e-07	7.621698e-08	1.344641e-07
	E37-39	0.000000e+00	...	1.005779e-07	6.296962e-08	8.978182e-08
	E37-39	0.000000e+00	...	1.160962e-07	6.733903e-08	1.094341e-07
	E37-39	0.000000e+00	...	7.604910e-05	5.283766e-05	7.055452e-05
	E37-39	0.000000e+00	...	2.608420e-07	1.474974e-07	3.154264e-07
	E37-39	0.000000e+00	...	9.677775e-08	6.105595e-08	8.750482e-08
	E37-39	0.000000e+00	...	1.142222e-07	6.954500e-08	1.092745e-07
	R_S	0.000000e+00	...	3.342794e-10	1.131217e-10	3.804914e-10
	R_S	0.000000e+00	...	3.131118e-05	3.480668e-06	3.453949e-05
	R_S	0.000000e+00	...	1.786680e-04	2.816175e-05	1.635891e-04
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	5.581628e-05	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	6.088773e-05	...	3.346395e-04	2.695619e-04	3.324834e-04
	A01	4.158700e-04	...	2.198973e-01	1.558003e-01	2.231767e-01
	A01	0.000000e+00	...	4.223407e-01	2.426859e-01	4.357791e-01
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	1.616186e-09	9.388219e-10	0.000000e+00
	A01	5.634027e-02	...	1.146242e-01	3.589396e-02	1.242650e-01
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	2.981173e-05	0.000000e+00	3.516485e-05
	A01	5.376398e-03	...	0.000000e+00	5.533700e-08	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A02	6.154929e-07	...	2.366571e-06	8.741345e-08	2.964318e-06	
A03	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	0.000000e+00	...	3.107923e-02	2.404773e-02	3.268984e-02	
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	0.000000e+00	...	1.482520e-02	0.000000e+00	1.789948e-02	
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	

B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.177153e-04	...	1.006967e-07	0.000000e+00	1.381039e-07
B_nongas	1.797581e-05	...	1.399426e-07	0.000000e+00	1.680116e-07
B_nongas	9.066018e-02	...	7.260399e-01	5.007146e-01	7.092688e-01
C10-12	0.000000e+00	...	1.139360e-09	7.086368e-09	1.315828e-09
C10-12	0.000000e+00	...	2.441865e-09	1.362631e-10	1.874649e-09
C10-12	0.000000e+00	...	1.685788e-03	3.946185e-08	3.867366e-03
C10-12	0.000000e+00	...	1.263957e-08	6.453465e-09	9.405606e-09
C10-12	4.414024e-04	...	5.599258e-04	8.266259e-08	9.758033e-04
C10-12	5.330428e-04	...	5.706026e-09	6.503175e-09	5.052502e-09
C10-12	0.000000e+00	...	1.037572e-06	6.665995e-07	1.105645e-03
C10-12	8.401674e-05	...	1.886023e-03	9.192355e-05	2.176823e-03
C10-12	1.999277e-01	...	2.973816e-01	2.121895e-01	2.999088e-01
C10-12	3.438136e-03	...	2.537886e-02	6.222816e-07	2.775099e-02
C10-12	3.387972e-02	...	2.176535e-06	3.186736e-05	2.318899e-06
C10-12	8.990547e-07	...	5.714492e-02	6.768159e-03	5.857825e-02
C13-15	2.063801e-02	...	8.483751e+00	7.185885e+00	8.215475e+00
C13-15	1.430827e-03	...	2.064866e-04	8.153801e-03	2.610728e-04
C13-15	9.808985e-02	...	5.882249e-05	2.210904e-05	1.480518e-01
C16	4.171074e-03	...	4.713636e-04	1.552691e-05	1.076012e-03
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	0.000000e+00	...	2.721819e-02	2.492257e-02	2.663502e-02
C17	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	3.339914e-03	...	9.989972e-05	1.970025e-03	9.851525e-05
C18	1.479656e-04	...	4.157836e-05	9.536190e-04	3.650618e-05
C19	4.335456e-07	...	1.232920e-02	8.608652e-03	9.697471e-03
C19	1.321576e-02	...	4.292504e-01	3.281372e-01	4.246057e-01
C24	0.000000e+00	...	4.933569e-03	0.000000e+00	4.826149e-03
C20-21	0.000000e+00	...	3.004617e+00	2.912788e+00	2.919889e+00
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	...	1.083507e-06	7.396063e-07	1.912878e-06
C20-21	4.164457e-03	...	1.666354e-05	6.631025e-06	4.684507e-05
C20-21	3.623553e-02	...	6.046028e-02	3.168036e-02	5.795294e-02
C22	4.768267e-02	...	2.823475e-01	2.452304e-04	3.640398e-01
C23	8.254592e-03	...	1.798795e-03	6.496195e-04	1.662448e-03
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	5.130668e-04	...	2.295423e-03	1.025232e-03	2.046044e-03
C23	2.675062e-07	...	7.979531e-05	4.391017e-06	1.146388e-04
C23	1.566469e-06	...	5.087064e-04	2.112486e-04	5.511628e-04
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	3.213021e-03	...	7.585104e-05	4.044387e-03	8.702943e-05
C24	0.000000e+00	...	1.961230e+00	1.226810e+00	1.918605e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	3.700415e-02	8.517360e-03	4.047826e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

[illegible]

	H50	9.351436e-06	...	8.120955e-10	2.292957e-07	6.688479e-10
	H51	1.426479e-04	...	6.344834e-05	5.358931e-05	6.293486e-05
	H52	3.319662e-03	...	5.760635e-10	8.295178e-10	5.829992e-10
	H53	1.337547e-04	...	5.399462e-04	5.031849e-08	7.501100e-04
	K64	0.000000e+00	...	7.159171e-09	3.915569e-09	6.284718e-09
	K65	5.678100e-04	...	2.702667e-11	0.000000e+00	5.218058e-11
	K66	3.560368e-06	...	1.033731e-06	5.622117e-07	1.126692e-06
	L68	1.557567e-04	...	2.065080e-07	9.627158e-08	2.493233e-07
	M_N	0.000000e+00	...	5.127319e-10	1.805940e-10	6.278358e-10
	J62_63	2.974376e-06	...	8.583753e-06	3.288058e-06	9.618127e-06
	M_N	1.589244e-05	...	4.032822e-06	2.073573e-06	4.530292e-06
	M_N	8.124108e-03	...	7.990987e-07	4.368092e-07	9.251823e-07
	O84	4.767840e-06	...	0.000000e+00	0.000000e+00	0.000000e+00
	P85	0.000000e+00	...	7.780509e-11	4.143367e-11	9.508259e-11
	M_N	0.000000e+00	...	1.412254e-09	6.167914e-10	1.489032e-09
	E37-39	2.782336e-07	...	5.916027e-08	2.320500e-08	1.102375e-07
	E37-39	4.290862e-07	...	6.523944e-08	2.644620e-08	1.127190e-07
	E37-39	1.796107e-06	...	9.170363e-08	4.036279e-08	1.197790e-07
	E37-39	1.389442e-04	...	2.993633e-07	1.018278e-07	4.771180e-07
	E37-39	1.122772e-07	...	6.834238e-08	3.076864e-08	1.194618e-07
	E37-39	8.233074e-08	...	9.577110e-08	3.911534e-08	1.655591e-07
	E37-39	1.049840e-07	...	4.269939e-07	1.194793e-07	7.545857e-07
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	3.731219e-06	...	5.007371e-07	2.304060e-07	6.614117e-07
	E37-39	0.000000e+00	...	8.227949e-07	5.976777e-07	9.476745e-07
	E37-39	1.743798e-07	...	1.197021e-07	6.946407e-08	1.079273e-07
	E37-39	1.684686e-07	...	1.922395e-07	1.041095e-07	1.836727e-07
	E37-39	1.615332e-08	...	1.373671e-07	8.600256e-08	1.226221e-07
	E37-39	2.933968e-08	...	1.585675e-07	9.197355e-08	1.494682e-07
	E37-39	3.999740e-09	...	1.038517e-04	7.215448e-05	9.634841e-05
	E37-39	2.476450e-08	...	3.562027e-07	2.014207e-07	4.307425e-07
	E37-39	0.000000e+00	...	1.321794e-07	8.339042e-08	1.195144e-07
	E37-39	2.574321e-08	...	1.560067e-07	9.498580e-08	1.492490e-07
	R_S	0.000000e+00	...	4.564705e-10	1.544718e-10	5.195747e-10
	R_S	0.000000e+00	...	1.337524e-07	1.486842e-08	1.475429e-07
	R_S	0.000000e+00	...	4.442412e-09	7.002155e-10	4.067488e-09
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
CA	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.872368e-05	...	1.408435e-01	1.103009e-01	1.403730e-01
	A01	4.005942e-04	...	6.687761e-02	5.226172e-02	6.680114e-02
	A01	2.335872e-05	...	9.433953e-02	6.684088e-02	9.574644e-02
	A01	1.575442e-05	...	2.066721e-01	1.208388e-01	2.129857e-01
	A01	2.096892e-09	...	2.188073e-06	1.549973e-06	2.220769e-06
	A01	9.890565e-10	...	1.032064e-06	7.310870e-07	1.047486e-06
	A01	1.847580e-02	...	1.822190e-02	1.118776e-02	1.879521e-02

A01	1.437459e-03	...	5.062671e-04	3.547955e-04	5.121323e-04
A01	8.612689e-04	...	2.994808e-04	2.098783e-04	3.029498e-04
A01	5.329000e-04	...	2.229751e-04	1.562623e-04	2.255580e-04
A01	1.058989e-04	...	5.474711e-04	3.138741e-05	6.382690e-04
A01	2.516191e-04	...	1.445867e-07	7.007681e-08	2.082153e-07
A01	1.616082e-03	...	5.543379e-04	3.884841e-04	5.607592e-04
A01	2.406434e-05	...	1.007896e-05	7.063412e-06	1.019569e-05
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A02	4.075752e-05	...	6.584610e-06	1.010313e-06	7.537317e-06
A03	4.190020e-05	...	1.066160e-04	6.918168e-05	1.088459e-04
B_nongas	4.711416e-10	...	2.912188e-02	2.246160e-02	3.026146e-02
B_nongas	1.282546e-05	...	9.205738e-02	6.346769e-02	8.993322e-02
B_gas	1.365388e-05	...	9.435715e-02	6.503875e-02	9.218155e-02
B_gas	2.088267e-06	...	1.344300e-02	9.265148e-03	1.313315e-02
B_nongas	5.679123e-13	...	1.356320e-10	1.124870e-11	1.419284e-10
B_nongas	4.887836e-07	...	7.309610e-02	2.501066e-08	8.825390e-02
B_nongas	1.005557e-06	...	9.024567e-08	4.613460e-08	1.013797e-07
B_nongas	4.607736e-08	...	1.467196e-09	7.502846e-10	1.648441e-09
B_nongas	1.492619e-09	...	3.564756e-07	2.956446e-08	3.730242e-07
B_nongas	2.967287e-10	...	7.086641e-08	5.877337e-09	7.415623e-08
B_nongas	2.859553e-07	...	9.105392e-09	4.656252e-09	1.023019e-08
B_nongas	3.659083e-12	...	8.738824e-10	7.247582e-11	9.144506e-10
B_nongas	8.776325e-06	...	8.387492e-08	7.477609e-08	8.604781e-08
B_nongas	2.992569e-06	...	2.941792e-02	2.028832e-02	2.873842e-02
B_nongas	8.174571e-05	...	1.398309e+00	9.643023e-01	1.366006e+00
C10-12	6.267789e-05	...	4.812041e-05	3.439305e-05	5.327787e-05
C10-12	3.283437e-05	...	2.723474e-05	1.946483e-05	2.982093e-05
C10-12	3.069961e-06	...	1.501174e-05	1.360486e-06	2.815310e-05
C10-12	2.816562e-04	...	2.310017e-04	1.643571e-04	2.425487e-04
C10-12	2.722248e-04	...	3.783315e-04	1.652835e-04	4.852974e-04
C10-12	4.288540e-04	...	3.646262e-04	2.564182e-04	3.681058e-04
C10-12	0.000000e+00	...	4.458064e-11	2.864133e-11	4.750551e-08
C10-12	2.831753e-03	...	1.687252e-03	8.279425e-04	1.783945e-03
C10-12	5.594981e-02	...	4.575695e-02	3.134324e-02	4.638568e-02
C10-12	1.473006e-03	...	5.335599e-03	6.954941e-05	5.826049e-03
C10-12	5.104215e-03	...	1.326191e-06	1.698148e-06	1.338552e-06
C10-12	4.461802e-06	...	4.987961e-04	5.906579e-05	5.113190e-04
C13-15	1.659041e-04	...	1.202468e-02	1.007631e-02	1.167655e-02
C13-15	1.259984e-05	...	1.112865e-03	9.749798e-04	1.081339e-03
C13-15	8.106329e-05	...	1.654001e-05	4.030278e-07	1.075039e-04
C16	2.990593e-04	...	2.420861e-04	1.025542e-04	2.844859e-04
C16	6.330097e-05	...	9.707916e-05	5.778484e-05	1.053843e-04
C17	1.500824e-05	...	2.960290e-02	2.709942e-02	2.896934e-02
C17	6.406895e-06	...	1.222701e-02	1.119300e-02	1.196539e-02
C17	2.989181e-03	...	5.310644e-03	4.650634e-03	5.255298e-03
C18	1.732025e-04	...	4.003804e-05	2.317153e-05	4.825918e-05
C19	1.868251e-06	...	3.449681e-06	2.826041e-06	3.422834e-06

C19	1.383809e-04	...	1.599247e-02	1.310990e-02	1.584842e-02
C24	1.022584e-05	...	9.453159e-04	4.343696e-06	9.246288e-04
C20-21	3.742551e-07	...	6.860307e-09	1.752070e-09	7.427286e-09
C20-21	8.945161e-12	...	1.278982e-10	1.237861e-10	1.243412e-10
C20-21	5.365283e-10	...	1.052773e-10	1.179254e-11	1.111288e-10
C20-21	7.962290e-08	...	2.388262e-07	1.404890e-07	4.582068e-07
C20-21	2.107184e-03	...	4.297468e-03	2.942807e-03	4.164037e-03
C22	2.251640e-03	...	5.739107e-03	1.349063e-03	6.825560e-03
C23	8.801937e-05	...	1.518143e-04	8.615093e-05	1.372403e-04
C23	4.482262e-06	...	8.513222e-06	5.000097e-06	7.740992e-06
C23	2.376196e-06	...	2.870799e-06	1.281990e-06	2.560733e-06
C23	2.320383e-07	...	2.849765e-08	4.323083e-09	3.824243e-08
C23	1.851926e-05	...	4.318367e-05	2.537427e-05	3.984553e-05
C23	1.979632e-06	...	5.481960e-06	3.616035e-06	5.150096e-06
C23	4.887522e-04	...	2.794268e-03	1.833953e-03	2.630071e-03
C24	4.284946e-05	...	7.448622e-03	4.643229e-03	7.288805e-03
C24	1.983848e-05	...	3.270337e-03	2.043398e-03	3.202913e-03
C24	9.218988e-07	...	4.661499e-03	1.082639e-03	5.096506e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.509653e-06	...	7.449275e-05	3.252406e-05	8.097530e-05
C24	2.250140e-07	...	1.401878e-06	6.067956e-07	1.542723e-06
C24	6.276562e-06	...	2.452511e-03	5.445576e-04	2.703353e-03
C24	8.368146e-07	...	3.418083e-04	7.179054e-05	3.780163e-04
C24	1.374032e-05	...	4.023038e-04	2.307475e-04	4.513650e-04
C24	1.385708e-09	...	4.190504e-08	2.437703e-08	4.490693e-08
C24	1.204978e-05	...	4.847404e-04	2.702921e-04	4.934341e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.602322e-06	...	1.675346e-04	1.012997e-04	1.686770e-04
C25_33	1.168937e-03	...	4.963253e-03	2.397191e-03	4.992009e-03
C25	1.196266e-03	...	2.292549e-02	4.837525e-03	2.357151e-02
C26	2.155073e-04	...	3.639505e-04	1.808871e-05	4.502335e-04
C27	9.419220e-03	...	3.183731e-02	1.847711e-02	2.844806e-02
C27	8.950630e-04	...	6.276785e-03	1.359379e-03	6.704564e-03
C28_32	2.076701e-03	...	1.029992e-03	3.845895e-04	1.076593e-03
C29	7.611734e-04	...	7.696465e-02	5.426414e-02	7.837818e-02
C30	3.494283e-04	...	1.106049e-01	7.850967e-02	1.120712e-01
C31	3.791336e-03	...	4.806222e-03	3.092483e-03	4.706034e-03
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.121693e-06	...	1.122128e-05	8.626501e-06	1.102392e-05
D35	7.310227e-07	...	3.822917e-06	3.057605e-06	3.763960e-06
D35	7.759121e-07	...	4.879918e-06	4.347143e-06	4.831999e-06
D35	2.935399e-06	...	1.648204e-05	1.375181e-05	1.626155e-05
D35	2.458226e-08	...	1.435899e-07	1.286343e-07	1.429562e-07
D35	1.011596e-07	...	7.382157e-07	6.235077e-07	7.445206e-07
D35	5.660764e-08	...	4.664065e-07	3.868876e-07	4.675920e-07
D35	1.805639e-10	...	8.901662e-10	8.465719e-10	8.836978e-10
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

D35	1.264107e-10	...	6.231954e-10	5.926751e-10	6.186669e-10
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.457672e-10	...	8.441224e-09	6.560233e-09	8.477636e-09
D35	7.565996e-07	...	7.704392e-06	6.267950e-06	7.588607e-06
D35	2.291497e-06	...	1.710314e-05	1.370583e-05	1.683347e-05
D35	7.822166e-09	...	1.123167e-05	8.338868e-06	1.101207e-05
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E36	7.170793e-10	...	1.562390e-06	1.081855e-06	1.526783e-06
F	6.581934e-05	...	3.367079e-07	1.807704e-07	3.617815e-07
F	4.765856e-10	...	7.283822e-13	4.325629e-13	7.122333e-13
G45	1.294270e-04	...	1.037260e-04	1.073506e-04	1.034942e-04
G47	6.075546e-06	...	8.131217e-05	7.071157e-05	8.234916e-05
G46	3.888013e-03	...	9.799405e-03	7.162787e-03	9.851197e-03
G47	2.390659e-04	...	4.964204e-03	4.718842e-03	4.929296e-03
I	1.363513e-03	...	2.215881e-05	2.215872e-05	2.204407e-05
H49	1.052280e-03	...	5.055025e-05	4.430912e-06	6.545794e-05
H49	2.539842e-03	...	4.628078e-05	1.223633e-05	5.006001e-05
H49	3.585851e-06	...	3.585144e-05	2.099936e-05	3.438597e-05
H50	1.617750e-03	...	1.655246e-05	1.500514e-05	1.622244e-05
H50	2.928768e-06	...	4.378504e-09	2.526706e-07	5.234301e-09
H51	4.607136e-04	...	8.715732e-05	7.381372e-05	8.645489e-05
H52	1.799142e-03	...	2.804583e-05	2.273093e-05	2.847798e-05
H53	5.964617e-04	...	3.639732e-03	2.119463e-06	5.055505e-03
K64	4.273384e-03	...	5.120330e-07	3.453344e-07	5.413600e-07
K65	2.785180e-04	...	4.645967e-08	2.112786e-08	5.191001e-08
K66	9.134257e-06	...	1.395533e-06	8.049236e-07	1.509960e-06
L68	2.115522e-05	...	4.991452e-07	2.451058e-07	5.913389e-07
M_N	2.493792e-05	...	2.669538e-04	2.548888e-04	2.651247e-04
J62_63	1.586200e-05	...	4.089075e-05	3.160099e-05	4.227139e-05
M_N	5.192283e-06	...	3.356516e-05	1.726045e-05	3.770524e-05
M_N	1.185994e-02	...	2.797633e-05	2.535869e-05	2.829462e-05
O84	1.131060e-04	...	1.698762e-04	1.130119e-04	1.629707e-04
P85	1.127278e-05	...	1.820119e-07	9.018480e-08	2.044694e-07
M_N	1.002734e-04	...	2.443531e-07	9.740206e-08	2.745739e-07
E37-39	8.532818e-09	...	2.184174e-08	8.559461e-09	4.061033e-08
E37-39	8.959235e-09	...	2.296412e-08	9.300757e-09	3.961920e-08
E37-39	1.585508e-08	...	2.864489e-08	1.260428e-08	3.741516e-08
E37-39	3.508395e-07	...	8.403044e-08	2.858380e-08	1.338917e-07
E37-39	1.397963e-08	...	3.111750e-08	1.400838e-08	5.438822e-08
E37-39	1.379371e-09	...	3.282098e-08	1.340451e-08	5.673421e-08
E37-39	1.090515e-07	...	2.281424e-07	9.789866e-09	3.105813e-07
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	3.536783e-08	...	2.925259e-07	1.344861e-07	3.863896e-07
E37-39	2.347775e-09	...	5.310374e-07	3.856690e-07	6.116692e-07
E37-39	1.920179e-08	...	3.453005e-08	1.977961e-08	3.159287e-08
E37-39	2.790864e-08	...	6.095638e-08	3.260262e-08	5.899844e-08

	E37-39	8.500405e-08	...	9.881571e-08	5.996727e-08	9.109589e-08
	E37-39	7.334858e-08	...	1.129248e-07	6.416624e-08	1.085853e-07
	E37-39	4.796069e-08	...	7.274608e-05	5.054224e-05	6.749074e-05
	E37-39	6.191619e-08	...	2.470024e-07	1.385525e-07	2.992528e-07
	E37-39	2.289677e-08	...	8.394526e-08	5.283374e-08	7.608565e-08
	E37-39	1.588065e-08	...	7.124834e-08	4.330240e-08	6.826908e-08
	R_S	6.101281e-07	...	6.198364e-06	5.741744e-06	6.195953e-06
	R_S	1.524309e-04	...	1.273545e-05	9.949667e-06	1.240243e-05
	R_S	1.740104e-05	...	1.748934e-05	1.660581e-05	1.738810e-05
	T	5.943219e-11	...	3.034736e-10	1.341566e-10	4.664612e-10
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
KR	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	7.556217e-06	6.086755e-06	7.507533e-06
	A01	4.476374e-06	...	4.776741e-04	3.384387e-04	4.847978e-04
	A01	0.000000e+00	...	3.055817e-05	1.755937e-05	3.153050e-05
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	3.595530e-11	2.088598e-11	0.000000e+00
	A01	8.169296e-04	...	1.451101e-03	4.544046e-04	1.573150e-03
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.723077e-10	...	1.942552e-04	0.000000e+00	2.291365e-04
	A01	0.000000e+00	...	0.000000e+00	1.192448e-10	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0.000000e+00	...	6.869563e-09	2.537393e-10	8.604671e-09
	A03	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	6.343678e-07	1.301583e-07	8.140606e-07
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	0.000000e+00	...	1.517676e-10	0.000000e+00	2.081468e-10	
B_nongas	0.000000e+00	...	4.076352e-09	0.000000e+00	4.893965e-09	
B_nongas	4.557856e-06	...	1.174890e-02	8.102647e-03	1.147751e-02	
C10-12	0.000000e+00	...	2.084886e-10	1.296717e-09	2.407801e-10	
C10-12	0.000000e+00	...	9.639481e-09	5.379108e-10	7.400345e-09	
C10-12	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	

C10-12	0.000000e+00	...	4.655276e-10	2.376874e-10	3.464177e-10
C10-12	2.055630e-05	...	6.113412e-05	9.025311e-09	1.065407e-04
C10-12	2.929960e-05	...	1.780538e-08	2.029284e-08	1.576609e-08
C10-12	0.000000e+00	...	9.297360e-08	5.973193e-08	9.907347e-05
C10-12	0.000000e+00	...	3.586766e-05	1.748167e-06	4.139800e-05
C10-12	1.422623e-02	...	4.373092e-02	3.120314e-02	4.410255e-02
C10-12	8.404796e-04	...	1.043237e-02	2.557985e-07	1.140747e-02
C10-12	1.487005e-03	...	9.507475e-08	1.392021e-06	1.012935e-07
C10-12	0.000000e+00	...	1.180381e-01	1.398026e-02	1.209988e-01
C13-15	6.935109e-04	...	4.154249e-01	3.518722e-01	4.022882e-01
C13-15	3.599319e-06	...	1.041797e-06	4.113878e-05	1.317204e-06
C13-15	1.165155e-03	...	1.391427e-07	5.229821e-08	3.502118e-04
C16	8.816073e-07	...	4.483232e-07	1.476795e-08	1.023416e-06
C16	3.637347e-07	...	1.849697e-07	6.092980e-09	4.222424e-07
C17	0.000000e+00	...	6.487911e-04	5.940710e-04	6.348902e-04
C17	0.000000e+00	...	6.369655e-03	5.832428e-03	6.233179e-03
C17	5.140259e-05	...	1.437919e-05	2.835581e-04	1.417992e-05
C18	2.594255e-06	...	1.588279e-06	3.642792e-05	1.394524e-06
C19	0.000000e+00	...	1.281432e-05	6.765729e-06	1.952374e-05
C19	1.545283e-03	...	6.074762e-01	4.843096e-01	5.977037e-01
C24	0.000000e+00	...	4.022380e-03	0.000000e+00	3.934800e-03
C20-21	0.000000e+00	...	1.240360e+00	1.202451e+00	1.205383e+00
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	...	4.771246e-08	3.256871e-08	8.423395e-08
C20-21	3.760194e-05	...	7.035382e-07	2.799633e-07	1.977809e-06
C20-21	7.308798e-03	...	1.735692e-02	1.041715e-02	1.709730e-02
C22	6.391800e-03	...	3.251800e-02	2.824322e-05	4.192651e-02
C23	4.883097e-04	...	2.126699e-05	7.680395e-06	1.965497e-05
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	4.152930e-05	...	4.375600e-06	1.954326e-06	3.900227e-06
C23	0.000000e+00	...	9.571209e-07	5.266894e-08	1.375059e-06
C23	0.000000e+00	...	1.229204e-05	5.104469e-06	1.331793e-05
C23	0.000000e+00	...	1.570152e-06	6.520309e-07	1.701196e-06
C23	1.163239e-04	...	3.394898e-06	1.810164e-04	3.895214e-06
C24	0.000000e+00	...	3.380645e-01	2.114697e-01	3.307170e-01
C24	0.000000e+00	...	1.181906e-01	7.393182e-02	1.156218e-01
C24	0.000000e+00	...	2.965242e-04	6.825189e-05	3.243632e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	5.687611e-05	2.615213e-06	7.656889e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	2.915098e-01	5.266584e-02	3.248686e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	1.426397e-06	1.186948e-06	3.124444e-03
C24	0.000000e+00	...	1.579779e-07	1.314582e-07	3.460419e-04
C24	0.000000e+00	...	8.260741e-06	5.071920e-07	1.599473e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	9.990212e-04	...	7.535211e-05	1.233953e-03	1.112751e-04

C25	6.305023e-05	...	1.046414e-01	8.541572e-03	1.094653e-01
C26	4.633292e-03	...	1.587156e-04	4.438950e-05	2.542726e-04
C27	1.023248e-01	...	5.211277e-01	3.042266e-01	4.626251e-01
C27	0.000000e+00	...	2.466135e-02	1.365611e-06	2.864290e-02
C28_32	0.000000e+00	...	3.803217e-04	2.183636e-04	4.616680e-04
C29	2.290360e-04	...	6.446034e-01	4.608964e-01	6.586320e-01
C30	0.000000e+00	...	1.397916e-01	9.925843e-02	1.416374e-01
C31	1.370705e-02	...	2.863781e-04	1.482621e-04	2.636549e-04
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E36	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
F	0.000000e+00	...	1.400630e-08	8.586914e-09	1.324733e-08
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	2.651053e-06	...	3.466949e-06	1.283748e-05	3.368100e-06
G47	3.409219e-06	...	2.660451e-05	2.319108e-05	2.694636e-05
G46	1.388613e-04	...	2.155003e-03	2.036735e-03	2.166270e-03
G47	1.924127e-06	...	1.829259e-03	1.744652e-03	1.816302e-03
I	7.722831e-05	...	2.262657e-09	4.843800e-07	2.179614e-09
H49	1.245285e-04	...	1.973244e-05	3.679611e-09	2.615038e-05
H49	7.012931e-04	...	1.936331e-05	4.936351e-06	2.096390e-05
H49	8.241471e-07	...	1.442260e-05	8.448765e-06	1.382960e-05
H50	4.565872e-04	...	8.475338e-06	7.691376e-06	8.300466e-06
H50	6.825356e-07	...	5.109617e-10	1.442704e-07	4.208318e-10
H51	8.933780e-05	...	3.903687e-05	3.297106e-05	3.872095e-05
H52	3.350096e-04	...	3.882147e-10	5.590199e-10	3.928887e-10
H53	5.919608e-05	...	4.030473e-05	3.756065e-09	5.599257e-05
K64	0.000000e+00	...	4.770363e-09	2.609057e-09	4.187689e-09
K65	6.781661e-05	...	1.819707e-11	0.000000e	

	M_N	0.000000e+00	...	9.060965e-08	4.658914e-08	1.017868e-07
	M_N	1.531964e-03	...	3.649598e-07	1.994970e-07	4.225440e-07
	O84	1.040327e-06	...	0.000000e+00	0.000000e+00	0.000000e+00
	P85	0.000000e+00	...	3.719104e-11	1.980540e-11	4.544972e-11
	M_N	0.000000e+00	...	9.491563e-11	4.145370e-11	1.000758e-10
	E37-39	0.000000e+00	...	3.982762e-08	1.562197e-08	7.421361e-08
	E37-39	0.000000e+00	...	4.392022e-08	1.780400e-08	7.588421e-08
	E37-39	0.000000e+00	...	6.173634e-08	2.717287e-08	8.063715e-08
	E37-39	0.000000e+00	...	2.014731e-07	6.853063e-08	3.211029e-07
	E37-39	0.000000e+00	...	4.600918e-08	2.071394e-08	8.042358e-08
	E37-39	0.000000e+00	...	6.447462e-08	2.633307e-08	1.114570e-07
	E37-39	0.000000e+00	...	2.873724e-07	8.041112e-08	5.078460e-07
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	8.056204e-08	4.675077e-08	7.263735e-08
	E37-39	0.000000e+00	...	1.293983e-07	7.007708e-08	1.236319e-07
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0.000000e+00	...	3.072949e-10	1.039900e-10	3.497764e-10
	R_S	0.000000e+00	...	1.464125e-09	1.627576e-10	1.615082e-09
	R_S	0.000000e+00	...	2.605953e-09	4.107517e-10	2.386019e-09
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
BR	A01	3.559441e-04	...	1.262983e-03	4.079311e-04	1.496876e-03
	A01	9.691299e-06	...	3.437254e-05	1.109421e-05	4.074125e-05
	A01	3.950900e-03	...	1.511807e+00	1.213520e+00	1.503755e+00
	A01	1.061525e-03	...	1.573172e-02	1.058452e-02	1.621439e-02
	A01	1.326106e-03	...	1.744721e-01	9.907085e-02	1.807454e-01
	A01	1.818704e-03	...	4.499702e-03	1.571425e-03	5.279589e-03
	A01	7.703780e-04	...	2.136725e-03	7.265878e-04	2.515935e-03
	A01	1.314320e-01	...	1.546469e-01	4.889763e-02	1.687517e-01
	A01	2.084829e-03	...	1.114091e-01	8.248520e-02	1.190434e-01
	A01	4.698026e-04	...	2.639023e-02	2.011718e-02	2.750597e-02
	A01	7.862500e-04	...	4.416618e-02	3.366768e-02	4.603343e-02
	A01	2.377390e-05	...	1.342336e-03	1.018010e-03	1.400033e-03
	A01	4.850223e-04	...	2.697108e-02	2.056009e-02	2.811138e-02
	A01	1.332007e-03	...	7.632765e-02	5.703735e-02	8.143806e-02
	A01	3.199864e-06	...	1.797460e-04	1.370197e-04	1.873454e-04
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	1.917911e-03	...	4.853717e-03	1.684056e-03	5.699828e-03

A03	3.663050e-04	...	2.057646e-02	1.568536e-02	2.144640e-02
B_nongas	1.866196e-08	...	1.250479e-04	2.045292e-06	1.561623e-04
B_nongas	4.399005e-08	...	2.369235e-11	1.104509e-11	2.860449e-11
B_gas	4.063790e-09	...	2.188693e-12	1.020343e-12	2.642476e-12
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	4.345868e-09	...	2.911786e-05	4.758138e-07	3.636325e-05
B_nongas	2.568879e-08	...	1.036909e+00	2.999703e-11	1.251932e+00
B_nongas	1.159664e-07	...	7.770540e-04	1.270955e-05	9.704007e-04
B_nongas	5.455508e-08	...	3.655563e-04	5.979064e-06	4.565141e-04
B_nongas	1.206188e-08	...	8.082287e-05	1.321944e-06	1.009332e-04
B_nongas	9.457403e-08	...	6.337107e-04	1.036501e-05	7.913907e-04
B_nongas	3.960185e-08	...	2.653595e-04	4.340237e-06	3.313863e-04
B_nongas	6.081762e-08	...	4.075196e-04	6.665419e-06	5.089187e-04
B_nongas	3.284739e-05	...	1.354600e-03	2.004956e-05	1.686316e-03
B_nongas	5.052736e-05	...	1.371665e-03	1.797776e-05	1.701667e-03
B_nongas	2.188627e-02	...	3.489362e-01	2.402996e-01	3.410152e-01
C10-12	7.450382e-07	...	2.200555e-04	5.457816e-05	1.996225e-04
C10-12	8.625604e-07	...	3.152215e-04	6.273778e-05	2.845830e-04
C10-12	9.099364e-07	...	1.626632e-01	6.418136e-05	3.727478e-01
C10-12	2.623176e-07	...	8.538463e-05	1.718651e-05	7.726030e-05
C10-12	7.762136e-04	...	1.993471e-02	4.167712e-05	3.457922e-02
C10-12	7.534181e-07	...	2.392763e-04	4.817590e-05	2.165827e-04
C10-12	2.902979e-07	...	9.486406e-05	1.905637e-05	1.313327e-04
C10-12	1.919968e-02	...	1.031598e+00	5.030381e-02	1.190617e+00
C10-12	1.461056e-01	...	7.031846e-02	4.974415e-02	7.082937e-02
C10-12	2.867163e-04	...	1.681433e-03	3.158504e-05	1.809022e-03
C10-12	7.604507e-05	...	3.044154e-05	1.068234e-05	2.760381e-05
C10-12	3.441657e-10	...	8.859939e-03	1.049358e-03	9.082168e-03
C13-15	1.485395e-05	...	5.729193e-03	4.802838e-03	5.545433e-03
C13-15	2.321706e-06	...	9.441180e-06	1.195345e-05	9.569211e-06
C13-15	1.274977e-03	...	2.747535e-05	1.512035e-06	1.724562e-03
C16	5.766414e-05	...	3.061361e-05	4.656308e-06	6.084800e-05
C16	6.515089e-05	...	3.453050e-05	5.240201e-06	6.869388e-05
C17	2.723539e-07	...	2.894095e-01	2.649980e-01	2.832089e-01
C17	5.004152e-08	...	4.803485e-02	4.398309e-02	4.700571e-02
C17	2.397046e-04	...	2.314812e-05	1.064021e-04	2.433457e-05
C18	4.857494e-07	...	1.250469e-04	7.822067e-06	1.114337e-04
C19	1.141313e-08	...	8.186096e-06	1.545544e-06	7.438534e-06
C19	8.911638e-07	...	2.794791e-02	1.609609e-02	2.695917e-02
C24	4.675270e-09	...	2.596504e-05	6.331159e-07	2.516648e-05
C20-21	0.000000e+00	...	6.829803e-02	6.621066e-02	6.637207e-02
C20-21	0.000000e+00	...	7.800321e-03	7.561922e-03	7.580356e-03
C20-21	3.374756e-07	...	1.900815e-04	1.749930e-04	1.839064e-04
C20-21	1.584239e-03	...	5.546820e-03	5.182803e-03	5.373388e-03
C20-21	3.475985e-03	...	6.363565e-02	1.561667e-02	6.992782e-02
C22	4.754119e-04	...	2.249870e-03	3.170579e-04	2.728701e-03
C23	4.952173e-05	...	5.254297e-04	3.537503e-04	5.125206e-04
C23	9.145956e-06	...	1.038553e-04	6.995271e-05	1.013089e-04

C23	8.753790e-05	...	9.527458e-04	6.390566e-04	9.281461e-04
C23	2.141908e-07	...	4.113017e-06	2.379273e-06	4.307816e-06
C23	9.599367e-05	...	1.510192e-03	1.042700e-03	1.475312e-03
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.388247e-04	...	2.414807e-03	1.886925e-03	2.356945e-03
C24	2.381409e-06	...	1.004470e-01	6.282973e-02	9.826454e-02
C24	4.776625e-07	...	2.010111e-02	1.257327e-02	1.966437e-02
C24	2.315882e-06	...	1.460227e-02	3.676390e-03	1.588188e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.595801e-06	...	2.562246e-03	1.606895e-03	2.510830e-03
C24	1.240905e-06	...	4.184034e-04	2.624849e-04	4.099530e-04
C24	7.533835e-07	...	3.979642e-03	1.113268e-03	4.314673e-03
C24	1.591956e-07	...	1.200255e-03	2.408520e-04	1.330322e-03
C24	3.594395e-06	...	1.368559e-03	8.616313e-04	2.467792e-03
C24	4.328852e-10	...	1.454804e-07	9.169665e-08	5.447619e-07
C24	5.780558e-08	...	1.944396e-05	1.222690e-05	1.905814e-05
C24	1.568353e-06	...	5.277065e-04	3.317444e-04	5.173907e-04
C24	2.079411e-06	...	7.862862e-04	4.949985e-04	7.690831e-04
C25_33	1.300779e-04	...	2.933461e-04	1.804440e-04	2.920865e-04
C25	1.293904e-04	...	1.203870e-02	1.088715e-03	1.258006e-02
C26	3.898465e-05	...	8.104071e-06	2.124647e-06	9.037331e-06
C27	8.663829e-03	...	1.116556e-02	6.502729e-03	9.919487e-03
C27	2.320000e-04	...	6.036628e-04	2.481095e-04	6.000328e-04
C28_32	1.126862e-03	...	7.705459e-05	4.067262e-05	8.127542e-05
C29	4.534354e-04	...	3.000354e-02	2.125663e-02	3.048416e-02
C30	8.260294e-08	...	5.892207e-02	4.183500e-02	5.970017e-02
C31	3.035177e-04	...	2.206984e-04	1.353511e-04	2.131283e-04
E37-39	3.703913e-07	...	6.208959e-06	4.137344e-06	6.151288e-06
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.646957e-11	...	3.881171e-11	3.687646e-11	3.873123e-11
D35	2.504722e-09	...	1.773989e-09	1.722513e-09	1.761464e-09
D35	7.176679e-11	...	7.612825e-11	7.337762e-11	7.599379e-11
D35	2.124184e-09	...	2.278133e-09	2.182773e-09	2.274810e-09
D35	3.102274e-12	...	1.670836e-15	0.000000e+00	2.017251e-15
D35	1.036883e-09	...	7.343806e-10	7.130708e-10	7.291954e-10
D35	6.881876e-11	...	7.293567e-11	7.036044e-11	7.280626e-11
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.428053e-10	...	1.144309e-10	1.080978e-10	1.150517e-10
D35	1.134694e-09	...	1.209067e-09	1.160409e-09	1.206980e-09
D35	3.899163e-09	...	4.181754e-09	4.006711e-09	4.175654e-09
D35	2.823550e-10	...	3.041799e-10	2.889048e-10	3.036845e-10
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E36	8.684615e-09	...	9.253843e-09	8.881429e-09	9.237871e-09
F	3.013185e-05	...	3.892290e-07	2.385856e-07	3.682104e-07
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

G45	1.786218e-04	...	1.245733e-04	1.269948e-04	1.209806e-04
G47	2.337768e-05	...	2.841145e-05	2.537983e-05	2.843903e-05
G46	1.152808e-03	...	2.110631e-03	1.989096e-03	2.108434e-03
G47	5.397323e-04	...	1.686584e-03	1.606137e-03	1.667664e-03
I	5.473511e-04	...	2.121130e-05	1.584139e-05	2.139218e-05
H49	1.694336e-03	...	2.773974e-05	2.995941e-07	3.655834e-05
H49	6.184785e-03	...	2.898201e-05	7.870886e-06	3.124246e-05
H49	7.325794e-06	...	2.125495e-05	1.225991e-05	2.041891e-05
H50	1.686793e-03	...	1.321218e-05	1.199637e-05	1.294950e-05
H50	7.505339e-06	...	2.804112e-08	2.419762e-07	2.796028e-08
H51	4.211709e-05	...	5.862831e-05	4.954822e-05	5.815606e-05
H52	2.581859e-03	...	2.582360e-06	9.165461e-07	2.668810e-06
H53	8.055424e-05	...	2.574675e-04	2.373824e-07	3.575948e-04
K64	7.604022e-08	...	6.836214e-09	3.735627e-09	6.014702e-09
K65	9.566346e-05	...	4.444255e-11	8.752421e-12	7.222456e-11
K66	6.665039e-07	...	7.588156e-08	4.126874e-08	8.270649e-08
L68	2.095869e-05	...	9.437662e-07	4.257680e-07	9.699969e-07
M_N	7.048082e-07	...	9.882722e-07	5.049679e-07	1.009807e-06
J62_63	1.802707e-06	...	8.871846e-09	3.400711e-09	9.943336e-09
M_N	3.463345e-07	...	8.443322e-07	5.857214e-07	9.059020e-07
M_N	1.680024e-03	...	8.482064e-07	5.768779e-07	9.319160e-07
O84	3.970826e-04	...	2.437742e-04	1.078648e-04	2.579895e-04
P85	4.432726e-06	...	1.876370e-06	4.286969e-07	2.369304e-06
M_N	1.242863e-06	...	1.895391e-06	1.755029e-06	1.899570e-06
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.909977e-09	...	4.702007e-07	2.173753e-07	6.204167e-07
E37-39	3.799613e-10	...	7.700817e-07	5.594813e-07	8.868986e-07
E37-39	1.096313e-08	...	1.236994e-07	7.622615e-08	1.126708e-07
E37-39	1.217510e-08	...	1.928109e-07	1.098584e-07	1.847815e-07
E37-39	2.933733e-08	...	1.599189e-07	1.105696e-07	1.460845e-07
E37-39	1.235456e-08	...	1.615257e-07	9.869935e-08	1.529976e-07
E37-39	9.922324e-09	...	9.718804e-05	6.752745e-05	9.016691e-05
E37-39	1.019707e-08	...	3.440040e-07	1.988171e-07	4.136866e-07
E37-39	4.258686e-09	...	1.282318e-07	8.239465e-08	1.163760e-07
E37-39	5.111842e-09	...	1.514216e-07	9.410905e-08	1.450921e-07
R_S	3.343036e-07	...	3.788310e-07	3.299732e-07	3.837637e-07
R_S	8.240447e-05	...	1.147536e-09	1.275644e-10	1.265852e-09
R_S	2.859892e-06	...	3.580020e-09	5.642847e-10	3.277879e-09
T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
IN	A01	2.079069e-02	...	2.372720e-02	8.106221e-03	2.622804e-02
	A01	2.331795e-02	...	3.645444e-02	1.598952e-02	3.925368e-02
	A01	1.464868e-02	...	5.537537e-02	3.782186e-02	5.653000e-02
	A01	3.031863e-03	...	7.830331e-01	5.535209e-01	7.949327e-01
	A01	0.000000e+00	...	1.663270e-01	9.557502e-02	1.716194e-01
	A01	1.237552e-04	...	7.340953e-04	5.639673e-04	8.082920e-04
	A01	1.077988e-03	...	1.258811e-03	3.942280e-04	1.364534e-03
	A01	2.545580e-01	...	3.057964e-01	9.840717e-02	3.311050e-01
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	4.470560e-03	0.000000e+00	5.273312e-03
	A01	9.173695e-04	...	0.000000e+00	3.223347e-07	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	1.616523e-06	...	1.004942e-05	3.711928e-07	1.258769e-05
	A03	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	4.034263e-02	3.179189e-02	4.216488e-02
	B_nongas	0.000000e+00	...	7.001567e-12	0.000000e+00	1.487755e-11
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	4.269001e-08	2.684204e-08	6.205743e-08
	B_nongas	0.000000e+00	...	3.122835e-04	0.000000e+00	3.770414e-04
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.349925e-03	...	3.465814e-07	0.000000e+00	4.753308e-07
	B_nongas	0.000000e+00	...	2.246313e-09	0.000000e+00	2.696867e-09
	B_nongas	3.148994e-03	...	1.337318e+00	9.222837e-01	1.306427e+00
	C10-12	5.568537e-06	...	1.111005e-03	1.023776e-03	1.094546e-03
	C10-12	1.152263e-08	...	2.325457e-06	2.107098e-06	2.284108e-06
	C10-12	2.728244e-06	...	7.576050e-04	4.127493e-04	1.148307e-03
	C10-12	1.578957e-07	...	5.557807e-05	5.099170e-05	5.467921e-05
	C10-12	3.641849e-03	...	3.036453e-02	1.063103e-02	4.171980e-02
	C10-12	1.531222e-04	...	1.860339e-02	1.711218e-02	1.828853e-02
	C10-12	2.752860e-05	...	4.496644e-03	4.102271e-03	5.908722e-02
	C10-12	4.527526e-04	...	1.539241e-01	7.739094e-03	1.775922e-01
	C10-12	6.913174e-02	...	3.641035e-01	2.618002e-01	3.669624e-01
	C10-12	5.061380e-04	...	1.252436e-01	4.423697e-02	1.317499e-01
	C10-12	5.266091e-02	...	7.921584e-03	7.293588e-03	7.798663e-03
	C10-12	1.770644e-04	...	1.176519e-01	1.430568e-02	1.207301e-01
	C13-15	7.289363e-03	...	2.016209e+00	1.707753e+00	1.952629e+00

C13-15	1.657539e-03	...	6.447546e-04	1.951068e-03	1.098460e-03
C13-15	3.632075e-02	...	1.312289e-02	9.804464e-03	2.299541e-02
C16	7.856843e-04	...	2.619298e-03	1.371535e-03	2.524372e-03
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.433794e-06	...	1.013241e-02	9.273825e-03	9.916475e-03
C17	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.945622e-04	...	4.786664e-03	4.795700e-03	4.785871e-03
C18	2.233608e-04	...	2.501933e-03	2.185141e-03	2.556117e-03
C19	9.049758e-05	...	2.688851e-02	2.152990e-02	2.647252e-02
C19	2.327080e-04	...	1.500995e+01	1.229756e+01	1.486337e+01
C24	6.991636e-09	...	4.747258e-04	1.244007e-08	4.643889e-04
C20-21	3.311729e-09	...	6.227868e-01	6.037528e-01	6.052246e-01
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	2.058137e-05	...	1.113136e-04	7.167965e-05	1.121525e-04
C20-21	4.360967e-04	...	2.210313e-03	1.418513e-03	2.210130e-03
C20-21	1.648847e-02	...	2.851937e-01	2.201645e-01	2.839648e-01
C22	1.075299e-02	...	1.331457e-01	8.650387e-02	1.407493e-01
C23	3.825443e-03	...	1.465286e-02	1.075774e-02	1.463479e-02
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.775827e-04	...	1.093870e-03	5.654083e-04	9.825558e-04
C23	1.812527e-06	...	6.344420e-06	1.400634e-06	8.486846e-06
C23	1.018893e-04	...	2.057239e-04	1.224827e-04	2.104161e-04
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.580859e-03	...	3.563442e-02	2.801581e-02	3.565119e-02
C24	2.557198e-04	...	5.912292e-01	3.613853e-01	5.817290e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.666114e-04	...	3.097015e-01	7.313190e-02	3.378796e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.107924e-04	...	3.905108e-03	2.224925e-03	3.635305e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.052029e-04	...	5.100118e-01	9.254769e-02	5.681740e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.565534e-04	...	6.66226e-03	4.081783e-03	3.281908e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.565026e-05	...	2.983187e-04	1.751788e-04	2.838264e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.791835e-04	...	1.382132e-02	5.450123e-03	1.428477e-02
C25_33	5.222406e-03	...	6.808110e-02	2.916027e-02	6.994459e-02
C25	3.633157e-03	...	1.186848e-01	2.887984e-02	1.208768e-01
C26	3.970206e-05	...	8.150269e-05	2.174972e-05	1.263007e-04
C27	5.876613e-02	...	5.850353e-01	3.132581e-01	5.420133e-01
C27	3.520968e-03	...	8.772576e-02	1.737618e-02	9.362476e-02
C28_32	3.031965e-03	...	1.723471e-02	1.560038e-02	1.683894e-02
C29	1.427874e-03	...	3.145754e-01	2.143104e-01	3.223026e-01
C30	4.085897e-04	...	3.165118e-01	2.234179e-01	3.206447e-01
C31	1.250736e-02	...	6.696828e-02	3.889743e-02	6.441237e-02
E37-39	1.208626e-06	...	1.406466e-05	8.007738e-06	1.409212e-05
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

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	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.604103e-08	...	1.678493e-07	9.740422e-08	1.513383e-07
	E37-39	8.045449e-09	...	2.695578e-07	1.459820e-07	2.575454e-07
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	1.326195e-09	...	6.400712e-10	2.166031e-10	7.285569e-10
	R_S	1.256897e-07	...	9.628685e-08	1.070361e-08	1.062144e-07
	R_S	8.782247e-08	...	3.303984e-08	5.207758e-09	3.025139e-08
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
MX	A01	2.220963e-12	...	5.468488e-14	3.352594e-14	5.172161e-14
	A01	2.984992e-11	...	7.349692e-13	4.505913e-13	6.951426e-13
	A01	3.176238e-04	...	1.517218e-05	1.222163e-05	1.507442e-05
	A01	3.758315e-04	...	2.619405e-02	1.855885e-02	2.658469e-02
	A01	2.000865e-11	...	2.183519e-03	1.254696e-03	2.252996e-03
	A01	7.693192e-11	...	1.894230e-12	1.161305e-12	1.791585e-12
	A01	8.684595e-12	...	2.138334e-13	1.310959e-13	2.022462e-13
	A01	1.534155e-02	...	7.308037e-03	2.288473e-03	7.922702e-03
	A01	8.217404e-12	...	1.152471e-15	0.000000e+00	1.391413e-15
	A01	3.244177e-12	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.535934e-11	...	3.556585e-15	1.658038e-15	4.293974e-15
	A01	2.218885e-12	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	5.634916e-03	...	0.000000e+00	8.705121e-08	0.000000e+00
	A01	6.945463e-12	...	0.000000e+00	0.000000e+00	1.176041e-15
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	1.364911e-08	...	4.470423e-08	1.651229e-09	5.599559e-08
	A03	1.611476e-06	...	9.327576e-08	9.068768e-08	9.134786e-08
	B_nongas	1.379962e-13	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	1.539271e-08	0.000000e+00	3.270779e-08
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.566786e-12	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.356878e-09	...	6.282263e-13	3.575660e-13	6.432945e-13
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

B_nongas	1.306980e-09	...	6.051240e-13	3.444169e-13	6.196380e-13
B_nongas	3.674361e-12	...	1.701207e-15	0.000000e+00	1.742011e-15
B_nongas	1.070573e-12	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	3.062206e-13	...	8.495004e-10	0.000000e+00	1.165076e-09
B_nongas	1.237831e-12	...	1.348231e-09	0.000000e+00	1.618652e-09
B_nongas	7.701032e-14	...	8.805364e-04	6.072634e-04	8.601965e-04
C10-12	8.446425e-05	...	8.193375e-05	5.373021e-05	8.386679e-05
C10-12	7.717107e-05	...	1.092377e-04	4.929810e-05	1.141904e-04
C10-12	3.122850e-07	...	4.083696e-06	3.180420e-07	8.537153e-06
C10-12	7.893491e-05	...	3.052159e-05	6.134691e-06	3.410388e-05
C10-12	1.967619e-04	...	2.835259e-05	1.735927e-06	4.715456e-05
C10-12	5.160220e-05	...	5.382520e-05	2.343446e-05	5.607697e-05
C10-12	6.518121e-08	...	5.574874e-08	2.898034e-08	5.758916e-08
C10-12	4.388005e-06	...	2.621239e-04	1.600948e-05	3.016127e-04
C10-12	2.585172e-02	...	2.644310e-02	1.885297e-02	2.666955e-02
C10-12	2.028488e-02	...	3.089247e-02	1.464030e-04	3.376355e-02
C10-12	1.371837e-04	...	4.388298e-05	2.496625e-05	4.400122e-05
C10-12	2.886210e-06	...	6.404424e-05	1.428774e-05	6.558909e-05
C13-15	2.293454e-04	...	1.110431e-02	9.396257e-03	1.075430e-02
C13-15	4.773376e-05	...	4.984362e-04	3.738441e-04	5.041197e-04
C13-15	2.238920e-02	...	7.035534e-04	5.011173e-04	7.906760e-04
C16	8.734974e-05	...	1.279011e-05	1.068994e-05	1.281152e-05
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.263833e-08	...	5.156064e-07	3.797755e-07	5.171135e-07
C17	8.799789e-07	...	2.637216e-05	1.926888e-05	2.650921e-05
C17	9.532300e-05	...	5.813361e-04	4.361327e-04	5.789832e-04
C18	3.541211e-05	...	2.018252e-05	1.627100e-05	2.148854e-05
C19	6.235219e-08	...	2.695228e-07	2.544768e-07	2.624266e-07
C19	3.198428e-05	...	5.111019e-04	9.411207e-05	5.215790e-04
C24	2.017331e-10	...	4.122272e-05	2.995833e-06	4.030531e-05
C20-21	3.198792e-05	...	3.007418e-02	2.908203e-02	2.923604e-02
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	7.039093e-09	...	2.831684e-08	1.142138e-08	3.227623e-08
C20-21	2.260007e-06	...	5.216653e-06	8.017653e-07	6.001953e-06
C20-21	3.637375e-03	...	1.252987e-03	5.624025e-04	1.235361e-03
C22	1.104296e-03	...	3.131052e-03	6.697434e-04	3.681970e-03
C23	7.031137e-04	...	3.948182e-05	2.009685e-05	3.994022e-05
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	6.930646e-06	...	2.791225e-05	1.521317e-05	2.797953e-05
C23	5.055407e-07	...	4.769539e-06	3.279171e-06	4.853054e-06
C23	4.132603e-06	...	1.049619e-05	5.087099e-06	1.074088e-05
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	4.331805e-05	...	7.652750e-06	2.950047e-05	7.870416e-06
C24	2.542816e-05	...	1.710990e-02	1.071822e-02	1.674551e-02
C24	1.947876e-05	...	1.272291e-02	7.970024e-03	1.245192e-02
C24	1.642107e-05	...	4.235095e-04	1.404390e-04	4.519898e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.895439e-07	...	1.241092e-06	8.081213e-07	1.251065e-06

C24	5.052820e-06	...	5.203055e-05	3.410808e-05	5.231868e-05
C24	1.179607e-05	...	2.422580e-02	4.415009e-03	2.698899e-02
C24	2.860634e-06	...	5.197921e-03	9.470707e-04	5.790849e-03
C24	5.494019e-05	...	2.470075e-04	1.641587e-04	6.374219e-04
C24	1.120582e-06	...	6.783915e-06	4.451596e-06	1.743560e-05
C24	8.984213e-07	...	7.675527e-06	4.845924e-06	8.096882e-06
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.305901e-06	...	6.222541e-05	4.155080e-05	6.215285e-05
C25_33	6.750113e-04	...	2.163497e-03	9.662725e-04	2.215332e-03
C25	1.771285e-04	...	8.058326e-03	1.105080e-03	8.385532e-03
C26	2.868613e-03	...	1.945561e-03	1.058737e-03	1.863855e-03
C27	1.812776e-02	...	3.803585e-02	2.128676e-02	3.418076e-02
C27	2.626104e-03	...	1.600450e-02	3.054994e-03	1.723703e-02
C28_32	4.667859e-03	...	1.663622e-03	9.388401e-04	1.595750e-03
C29	2.178998e-03	...	1.038211e-01	7.267987e-02	1.057614e-01
C30	1.266616e-04	...	3.942934e-02	2.792829e-02	3.993609e-02
C31	6.143431e-03	...	2.654747e-03	1.214685e-03	2.643770e-03
E37-39	5.382409e-06	...	1.208534e-05	5.439754e-06	1.177472e-05
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.572771e-11	...	2.205773e-15	1.028305e-15	2.663096e-15
D35	2.718150e-11	...	3.812139e-15	1.777174e-15	4.602511e-15
D35	7.220796e-13	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.493009e-11	...	7.703812e-15	3.591426e-15	9.301046e-15
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.192332e-14	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.263891e-12	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	7.662671e-11	...	1.074671e-14	5.009990e-15	1.297483e-14
D35	1.664715e-10	...	2.334722e-14	1.088420e-14	2.818781e-14
D35	1.429357e-09	...	1.181320e-06	9.638504e-08	1.235959e-06
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E36	6.262772e-09	...	5.221244e-06	4.261845e-07	5.461991e-06
F	7.398116e-08	...	1.583633e-03	1.090361e-03	1.547257e-03
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.591946e-05	...	6.012632e-06	1.050506e-05	5.990587e-06
G47	1.092497e-05	...	1.494529e-05	1.299134e-05	1.513658e-05
G46	6.561700e-04	...	1.384659e-03	1.270485e-03	1.392450e-03
G47	4.904040e-05	...	9.825832e-04	9.281047e-04	9.762181e-04
I	3.780494e-04	...	2.710528e-07	1.289736e-06	2.743841e-07
H49	6.599282e-05	...	4.299426e-05	8.019391e-09	5.697806e-05
H49	4.482044e-04	...	8.273450e-05	1.395657e-05	8.851373e-05
H49	5.327048e-07	...	3.261806e-05	1.910767e-05	3.127695e-05
H50	3.440540e-04	...	2.005953e-05	1.820399e-05	1.964567e-05
H50	6.923585e-07	...	1.187241e-09	3.331382e-07	9.816325e-10

	H51	1.284983e-04	...	9.877393e-05	7.918737e-05	9.829827e-05
	H52	1.718489e-04	...	3.753411e-08	6.354367e-09	4.261040e-08
	H53	1.053773e-06	...	2.276270e-04	4.216256e-08	3.161469e-04
	K64	6.158123e-06	...	1.049230e-08	5.738558e-09	9.210723e-09
	K65	2.127636e-07	...	3.942855e-11	0.000000e+00	7.612498e-11
	K66	4.954835e-07	...	1.641060e-08	8.925176e-09	1.788637e-08
	L68	1.747610e-05	...	6.371511e-08	5.451628e-08	6.502216e-08
	M_N	1.972464e-06	...	2.012226e-07	1.730843e-07	2.031490e-07
	J62_63	1.394375e-05	...	3.041988e-07	1.222292e-07	3.397009e-07
	M_N	2.372915e-08	...	5.430767e-08	4.769760e-08	5.544086e-08
	M_N	1.473032e-03	...	1.182675e-05	1.149114e-06	1.299433e-05
	O84	2.124723e-06	...	0.000000e+00	0.000000e+00	0.000000e+00
	P85	4.907385e-07	...	7.692179e-08	7.320071e-08	7.658143e-08
	M_N	4.162410e-07	...	7.176614e-08	6.251430e-08	7.271333e-08
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	4.777507e-08	...	3.116942e-08	2.681349e-08	3.165422e-08
	R_S	1.049798e-05	...	5.318717e-08	4.378302e-08	5.458244e-08
	R_S	1.273105e-06	...	1.989972e-06	1.449887e-06	1.969992e-06
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
RU	A01	1.349123e-07	...	5.685606e-05	3.963835e-05	5.568446e-05
	A01	1.820828e-04	...	6.221956e+00	4.939321e+00	6.184914e+00
	A01	6.437597e-04	...	1.611128e+00	1.297432e+00	1.600703e+00
	A01	2.277850e-04	...	3.642231e-02	2.549625e-02	3.697351e-02
	A01	1.058623e-05	...	2.149613e-02	1.290621e-02	2.198155e-02
	A01	5.057429e-06	...	2.742207e-03	1.909949e-03	2.684591e-03
	A01	1.855766e-07	...	6.072049e-05	4.215359e-05	5.941335e-05
	A01	3.751551e-03	...	2.164605e-01	1.547555e-01	2.144910e-01
	A01	8.08882				

A01	4.865104e-05	...	2.985623e-04	2.180819e-04	3.112483e-04
A01	1.131593e-04	...	8.030840e-04	5.834169e-04	8.313099e-04
A01	5.776521e-05	...	1.198886e-02	7.940856e-03	1.208680e-02
A01	5.319324e-04	...	3.885830e-03	2.605614e-03	3.911435e-03
A01	7.568074e-05	...	6.475528e-04	4.801659e-04	6.935260e-04
A01	1.350456e-06	...	1.271405e-06	8.531508e-07	1.364606e-06
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A02	2.357417e-04	...	2.188876e-02	1.694408e-02	2.171926e-02
A03	7.523235e-06	...	1.400601e-04	8.987962e-05	1.470437e-04
B_nongas	7.971728e-05	...	1.024225e+00	8.170250e-01	1.084845e+00
B_nongas	6.498340e-04	...	1.419718e-02	9.970040e-03	1.393008e-02
B_gas	7.405580e-04	...	6.433485e-02	4.414376e-02	6.246119e-02
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	4.693816e-05	...	1.713245e-03	1.185318e-03	1.685389e-03
B_nongas	8.317010e-06	...	6.385961e-02	2.355684e-04	7.702869e-02
B_nongas	5.970150e-04	...	4.642662e-03	3.209436e-03	4.614451e-03
B_nongas	8.744720e-08	...	4.740672e-06	3.287236e-06	4.663630e-06
B_nongas	7.053384e-07	...	2.475915e-05	1.717910e-05	2.434041e-05
B_nongas	2.556421e-04	...	2.131492e-02	1.504816e-02	2.115793e-02
B_nongas	8.360112e-06	...	1.460197e-04	1.037840e-04	1.445486e-04
B_nongas	3.593624e-06	...	2.508380e-05	2.121912e-05	2.466620e-05
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	7.162281e-05	...	3.007859e-04	2.133308e-04	3.010739e-04
B_nongas	8.008604e-04	...	7.343150e+00	5.064222e+00	7.173535e+00
C10-12	2.228137e-07	...	1.894666e-06	1.330414e-06	1.900369e-06
C10-12	4.491508e-07	...	4.421701e-06	2.917256e-06	4.426690e-06
C10-12	1.877994e-06	...	2.733974e-04	1.966228e-05	5.890072e-04
C10-12	6.367318e-06	...	8.643937e-05	5.706855e-05	8.595668e-05
C10-12	6.210946e-05	...	4.813724e-02	6.140858e-04	8.325907e-02
C10-12	4.799387e-04	...	2.805831e-03	1.952729e-03	2.791476e-03
C10-12	4.823220e-07	...	1.893676e-05	1.403322e-05	1.311265e-04
C10-12	3.259007e-05	...	2.667642e-03	3.072826e-04	3.033307e-03
C10-12	7.226900e-03	...	1.334491e-01	9.516992e-02	1.345551e-01
C10-12	1.515182e-03	...	1.337094e-02	2.399696e-04	1.458800e-02
C10-12	4.502298e-03	...	2.399217e-03	1.717010e-03	2.407489e-03
C10-12	2.707161e-05	...	3.507362e-02	4.243044e-03	3.594967e-02
C13-15	2.165353e-04	...	1.309312e-02	1.084240e-02	1.272574e-02
C13-15	2.229971e-05	...	3.988194e-04	2.684933e-04	4.003334e-04
C13-15	5.179684e-03	...	6.738290e-04	4.463927e-04	7.012351e-04
C16	5.562576e-03	...	1.608770e-03	8.619200e-04	2.048815e-03
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	4.103405e-05	...	7.691796e-02	7.023282e-02	7.528023e-02
C17	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.865372e-03	...	1.360142e-03	1.220838e-03	1.344723e-03
C18	2.038870e-05	...	2.849734e-04	9.109834e-04	2.797616e-04
C19	1.684602e-04	...	7.153136e-03	4.926909e-03	6.673469e-03
C19	1.066671e-02	...	1.319161e+00	9.594507e-01	1.285272e+00

C24	7.038475e-05	...	4.195144e-02	8.686026e-04	4.103987e-02
C20-21	3.063981e-05	...	3.023113e-02	2.813013e-02	2.939514e-02
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	2.504930e-06	...	3.023886e-04	2.123257e-04	2.958121e-04
C20-21	3.107283e-02	...	9.076460e-02	6.249797e-02	8.856518e-02
C20-21	6.336598e-03	...	4.104553e-02	2.739488e-02	3.998039e-02
C22	2.295394e-03	...	7.295992e-03	4.066939e-03	7.541872e-03
C23	7.583203e-04	...	2.638216e-04	1.901155e-04	2.608817e-04
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.984504e-05	...	1.762094e-04	1.291139e-04	1.739937e-04
C23	1.396310e-06	...	5.758887e-06	3.988146e-06	5.833676e-06
C23	9.991527e-05	...	7.870386e-04	5.739450e-04	7.859043e-04
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.549669e-04	...	1.858362e-04	2.245151e-04	1.844010e-04
C24	1.513004e-04	...	6.507536e-01	4.080215e-01	6.368754e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.063846e-05	...	1.181058e-02	5.516085e-03	1.225142e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.780142e-05	...	3.665195e-03	2.546184e-03	3.611715e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.688037e-06	...	9.111076e-02	1.663724e-02	1.014923e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.057710e-04	...	4.438512e-03	3.090586e-03	6.663119e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.665720e-05	...	2.244433e-03	1.572256e-03	2.223628e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.177032e-05	...	5.555286e-04	3.894314e-04	5.465613e-04
C25_33	1.785941e-03	...	2.587675e-02	1.737264e-02	2.555968e-02
C25	3.092887e-04	...	1.592390e-02	6.589395e-03	1.615215e-02
C26	1.152262e-04	...	8.027477e-05	3.591975e-05	1.099352e-04
C27	5.295161e-03	...	1.965823e-02	1.153388e-02	1.751460e-02
C27	8.014329e-06	...	4.672428e-03	9.629748e-05	5.407170e-03
C28_32	4.749755e-04	...	5.561810e-04	3.658651e-04	6.024599e-04
C29	4.449871e-05	...	1.452954e-02	1.037886e-02	1.484350e-02
C30	4.275346e-05	...	4.906579e-02	3.560394e-02	4.959507e-02
C31	7.503604e-03	...	1.817081e-03	1.138280e-03	1.786238e-03
E37-39	3.881997e-06	...	7.082439e-05	4.957866e-05	7.205630e-05
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.051028e-04	...	1.883591e-03	1.269575e-03	1.869940e-03
D35	2.585992e-04	...	3.706977e-03	2.479815e-03	3.678674e-03
D35	5.574088e-05	...	8.150032e-04	5.436705e-04	8.078166e-04
D35	5.091422e-05	...	8.576325e-04	5.829613e-04	8.479737e-04
D35	2.623930e-09	...	1.081925e-08	6.964814e-09	1.123126e-08
D35	1.318523e-05	...	2.225786e-04	1.491152e-04	2.200817e-04
D35	8.947804e-07	...	1.183252e-05	7.851176e-06	1.175525e-05
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

D35	1.318649e-07	...	2.356220e-06	1.588570e-06	2.325287e-06
D35	3.241374e-06	...	4.169761e-05	2.754645e-05	4.144074e-05
D35	5.350408e-05	...	8.755410e-04	5.896861e-04	8.728496e-04
D35	1.110979e-04	...	1.620676e-03	1.084881e-03	1.614141e-03
D35	8.287710e-05	...	1.823704e-03	1.216861e-03	1.797873e-03
D35	7.049129e-05	...	9.065532e-04	5.977491e-04	8.991234e-04
E36	1.056214e-06	...	2.926754e-05	4.784686e-06	3.052927e-05
F	2.474530e-03	...	8.953350e-04	7.897770e-04	9.834536e-04
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	2.654713e-04	...	1.030781e-03	6.541099e-04	1.056006e-03
G47	5.326880e-05	...	2.075857e-04	1.358772e-04	2.118210e-04
G46	5.158998e-03	...	1.216544e-01	8.494446e-02	1.242580e-01
G47	7.625107e-04	...	9.080598e-03	7.498483e-03	9.154746e-03
I	1.703788e-03	...	5.289164e-04	2.191510e-02	5.584654e-04
H49	2.984698e-02	...	3.850379e-02	2.171425e-03	4.982081e-02
H49	2.076177e-02	...	3.233667e-02	1.067123e-02	3.497133e-02
H49	5.551307e-05	...	1.083662e-03	6.307284e-04	1.079276e-03
H50	2.528541e-02	...	1.561604e-01	1.410850e-01	1.529372e-01
H50	2.917064e-03	...	5.730743e-04	4.606252e-04	5.620040e-04
H51	1.973769e-03	...	3.611417e+00	3.049630e+00	3.582259e+00
H52	2.829627e-02	...	1.450635e-02	2.396219e-03	1.678131e-02
H53	1.631091e-03	...	2.127820e-02	2.207271e-04	2.945967e-02
K64	6.296849e-02	...	4.931187e-06	2.696941e-06	4.329242e-06
K65	4.787544e-04	...	1.576530e-08	1.110337e-09	2.871388e-08
K66	1.019555e-04	...	1.864279e-05	1.013896e-05	2.031962e-05
L68	4.607680e-05	...	3.418256e-05	2.955468e-05	3.354973e-05
M_N	1.382253e-02	...	5.196743e-07	1.830392e-07	6.363367e-07
J62_63	4.625820e-05	...	1.695096e-05	6.493166e-06	1.899361e-05
M_N	1.126774e-04	...	3.948956e-03	2.325930e-03	4.084166e-03
M_N	2.701702e-02	...	4.543806e-06	2.483768e-06	5.260737e-06
O84	4.622515e-04	...	7.051968e-02	4.955433e-02	6.964880e-02
P85	1.538135e-05	...	1.732034e-03	1.160664e-03	1.716399e-03
M_N	3.015928e-05	...	1.661224e-03	1.300698e-03	1.632263e-03
E37-39	1.504677e-07	...	3.114905e-06	1.598281e-06	3.427406e-06
E37-39	1.343828e-07	...	2.640208e-06	1.370037e-06	2.889240e-06
E37-39	4.069723e-08	...	4.322160e-07	2.311625e-07	4.740965e-07
E37-39	4.186422e-07	...	2.999813e-06	1.912010e-06	3.201524e-06
E37-39	4.058579e-08	...	6.149717e-07	3.111143e-07	7.239419e-07
E37-39	2.722376e-08	...	7.357864e-07	4.129336e-07	8.521492e-07
E37-39	4.321947e-08	...	9.093875e-07	4.587867e-07	1.102534e-06
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	8.586703e-07	...	3.452936e-05	2.389093e-05	3.469965e-05
E37-39	1.276214e-06	...	6.964645e-05	4.596306e-05	6.959341e-05
E37-39	9.005984e-05	...	4.016716e-03	2.777882e-03	3.995680e-03

AU	E37-39	4.727788e-05	...	1.928496e-03	1.313478e-03	1.917614e-03
	E37-39	1.867768e-05	...	8.581327e-03	5.945663e-03	7.993578e-03
	E37-39	4.542520e-05	...	1.370547e-03	8.893307e-04	1.417477e-03
	E37-39	1.050019e-05	...	4.461646e-04	3.064270e-04	4.433554e-04
	E37-39	1.320958e-05	...	5.343891e-04	3.663023e-04	5.338995e-04
	R_S	1.445241e-06	...	2.870343e-08	4.897368e-09	3.181142e-08
	R_S	9.304639e-05	...	5.062471e-04	2.263106e-04	5.307976e-04
	R_S	1.058936e-05	...	1.661074e-08	2.618195e-09	1.520886e-08
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.258981e-06	...	4.984781e-06	3.275364e-06	5.102788e-06
	A01	1.163551e-04	...	6.376503e-01	5.060693e-01	6.338790e-01
	A01	1.298026e-04	...	8.838456e-02	7.106997e-02	8.784072e-02
	A01	2.098161e-04	...	3.269457e-01	2.316305e-01	3.318251e-01
	A01	1.995335e-05	...	8.769183e-02	5.038747e-02	9.048262e-02
	A01	3.831338e-05	...	8.619444e-06	5.934984e-09	1.016580e-05
	A01	4.934073e-05	...	1.940120e-05	1.089446e-08	2.288223e-05
	A01	7.628636e-03	...	3.313668e-02	1.037482e-02	3.592429e-02
	A01	2.901700e-04	...	1.316827e-03	8.652385e-04	1.347971e-03
	A01	2.885388e-06	...	2.005889e-06	1.332946e-06	2.049941e-06
	A01	2.449722e-05	...	6.957699e-06	4.625301e-06	7.110201e-06
	A01	1.846479e-05	...	4.498466e-02	1.631924e-05	5.305843e-02
	A01	3.992468e-03	...	2.831936e-08	6.188050e-08	2.940439e-08
	A01	1.049040e-04	...	9.213685e-04	6.053888e-04	9.431594e-04
	A01	1.778014e-06	...	2.386328e-05	1.585455e-05	2.438603e-05
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	2.732068e-07	...	2.968908e-07	1.285320e-08	3.709437e-07
	A03	2.008116e-05	...	1.202763e-09	2.768958e-09	1.341916e-09
	B_nongas	3.402837e-05	...	1.560092e-01	1.242333e-01	1.650672e-01
	B_nongas	1.449229e-05	...	7.280693e-08	1.958362e-08	1.145721e-07
	B_gas	5.166262e-05	...	1.072075e-07	6.038559e-08	1.097664e-07
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	7.186259e-06	...	1.275544e-06	3.817487e-08	1.464937e-06
	B_nongas	2.296579e-05	...	4.966231e-08	2.227630e-08	5.508776e-08
	B_nongas	2.207815e-05	...	3.081520e-06	9.821660e-08	3.537465e-06
	B_nongas	5.338998e-07	...	1.250100e-07	3.619663e-09	1.435988e-07
	B_nongas	2.670858e-07	...	6.253685e-08	1.810753e-09	7.183595e-08
	B_nongas	2.876667e-05	...	4.337723e-06	1.353242e-07	4.980258e-06
	B_nongas	5.385575e-07	...	1.261006e-07	3.651241e-09	1.448515e-07
	B_nongas	5.472853e-07	...	2.105040e-08	2.633918e-09	2.202811e-08
	B_nongas	4.012302e-06	...	3.930252e-09	2.141092e-09	4.253254e-09
	B_nongas	8.603228e-05	...	1.840661e-08	6.068540e-09	2.077552e-08
	B_nongas	7.229763e-03	...	6.675858e-01	4.604016e-01	6.521649e-01
	C10-12	7.220742e-07	...	5.180000e-06	6.234513e-06	5.245221e-06
	C10-12	2.080574e-06	...	5.475997e-07	3.113825e-08	4.208623e-07
	C10-12	1.495553e-06	...	1.021651e-04	2.857274e-09	2.343760e-04
	C10-12	1.829727e-07	...	2.040986e-06	1.584381e-06	1.844700e-06

C10-12	2.330224e-05	...	3.007006e-04	4.445710e-08	5.240419e-04
C10-12	1.023879e-06	...	1.013502e-06	1.142020e-06	9.014263e-07
C10-12	4.004364e-07	...	4.576732e-06	3.783440e-06	1.917048e-03
C10-12	1.542820e-06	...	1.211675e-02	5.961975e-04	1.398407e-02
C10-12	6.645763e-03	...	8.502151e-02	6.066505e-02	8.574404e-02
C10-12	3.590609e-03	...	3.211200e-02	7.910752e-07	3.511347e-02
C10-12	8.390363e-04	...	1.045324e-08	1.007167e-07	1.132826e-08
C10-12	9.052738e-09	...	8.752122e-05	1.045961e-05	8.971422e-05
C13-15	1.852406e-04	...	2.355428e-02	1.995088e-02	2.280944e-02
C13-15	4.610422e-06	...	1.146030e-06	4.520349e-05	1.448827e-06
C13-15	2.295903e-05	...	1.344116e-07	9.137263e-08	1.591775e-04
C16	1.245521e-04	...	6.327756e-06	3.144943e-06	8.489174e-06
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.523630e-08	...	1.954704e-04	1.789894e-04	1.912871e-04
C17	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.401402e-04	...	4.210911e-06	8.296754e-05	4.153073e-06
C18	2.029303e-05	...	8.923915e-07	1.960789e-05	8.026077e-07
C19	2.494297e-08	...	2.038901e-07	1.926936e-07	2.049580e-07
C19	5.467706e-05	...	8.315883e-04	6.732427e-04	8.245043e-04
C24	1.036106e-07	...	7.361626e-05	8.004387e-07	7.203627e-05
C20-21	2.792894e-07	...	1.429284e-02	1.385593e-02	1.388989e-02
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	9.575080e-10	...	1.079618e-08	1.020358e-08	1.085266e-08
C20-21	9.416156e-04	...	3.799158e-06	2.992881e-06	5.791760e-06
C20-21	7.581166e-04	...	2.550312e-03	1.389941e-03	2.460358e-03
C22	2.796554e-04	...	3.561454e-03	3.095742e-06	4.591896e-03
C23	8.649007e-05	...	3.217618e-06	1.162203e-06	2.974016e-06
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.645562e-06	...	5.115881e-06	2.284972e-06	4.560131e-06
C23	8.086075e-08	...	7.082966e-08	3.997070e-09	1.016708e-07
C23	4.892427e-06	...	3.341067e-06	1.387727e-06	3.620152e-06
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.199077e-05	...	1.693121e-06	9.025704e-05	1.942636e-06
C24	1.207638e-05	...	6.420861e-02	4.016521e-02	6.281313e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.141113e-04	...	6.765345e-03	1.558814e-03	7.399536e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.601862e-05	...	5.429098e-04	2.770410e-05	7.296637e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.158129e-06	...	6.409696e-02	1.158086e-02	7.143174e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.290241e-05	...	2.561306e-06	2.179825e-06	7.106742e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.405927e-05	...	2.621540e-05	3.968928e-06	4.792344e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.044805e-06	...	2.219554e-07	1.889616e-07	2.190244e-07
C25_33	4.140622e-04	...	7.523771e-06	3.420577e-05	7.995909e-06
C25	3.111797e-05	...	8.613965e-03	7.031357e-04	9.011068e-03

C26	1.069868e-04	...	1.922444e-05	5.377111e-06	3.079734e-05
C27	6.762873e-03	...	1.790415e-02	1.045218e-02	1.589421e-02
C27	1.587309e-06	...	1.811309e-03	1.032049e-07	2.103744e-03
C28_32	6.163945e-04	...	3.029750e-05	1.739481e-05	3.677732e-05
C29	1.016467e-05	...	3.069949e-02	2.195036e-02	3.136761e-02
C30	5.031904e-06	...	9.065924e-03	6.437218e-03	9.185626e-03
C31	1.833058e-03	...	9.996021e-05	5.175068e-05	9.202925e-05
E37-39	7.055428e-08	...	1.321045e-06	1.248526e-06	1.327956e-06
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.864123e-06	...	8.155286e-08	4.237954e-08	8.307870e-08
D35	2.775701e-07	...	1.009693e-08	5.055595e-09	1.043517e-08
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.283379e-07	...	5.167145e-09	2.643304e-09	5.296472e-09
D35	2.370049e-08	...	9.542303e-10	4.881459e-10	9.781134e-10
D35	2.431069e-08	...	9.787978e-10	5.007137e-10	1.003296e-09
D35	2.762420e-08	...	1.112207e-09	5.689603e-10	1.140044e-09
D35	8.932385e-10	...	3.596360e-11	1.839754e-11	3.686372e-11
D35	3.609300e-11	...	8.173692e-13	4.999699e-13	7.766505e-13
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	4.250179e-09	...	1.711209e-10	8.753858e-11	1.754038e-10
D35	3.512303e-07	...	5.536510e-08	3.276068e-08	5.329275e-08
D35	2.917274e-06	...	2.374867e-07	1.410828e-07	2.282780e-07
D35	1.586262e-09	...	3.971566e-08	2.434767e-08	3.756534e-08
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E36	5.976585e-07	...	1.384785e-08	8.465031e-09	1.316728e-08
F	1.494076e-04	...	1.178191e-04	1.071648e-04	1.179950e-04
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	5.149593e-04	...	6.323462e-03	4.758230e-03	6.361398e-03
G47	1.611733e-05	...	1.856960e-04	1.502592e-04	1.876936e-04
G46	7.625530e-03	...	4.253106e-02	2.527748e-02	4.230917e-02
G47	7.612563e-04	...	1.694059e-02	1.372712e-02	1.703737e-02
I	2.687907e-03	...	2.710976e-08	1.501571e-06	2.931405e-08
H49	5.300949e-04	...	6.237572e-05	9.071600e-07	8.222176e-05
H49	3.249194e-03	...	6.374758e-05	1.832327e-05	6.865912e-05
H49	2.755746e-06	...	4.405179e-05	2.580547e-05	4.224064e-05
H50	1.502672e-03	...	2.734203e-05	2.481159e-05	2.677823e-05
H50	4.330356e-06	...	1.870666e-09	4.706458e-07	1.601299e-09
H51	6.771520e-04	...	1.490055e-03	1.078410e-03	1.506701e-03
H52	1.451926e-03	...	2.025427e-07	7.904098e-08	2.268943e-07
H53	1.861263e-04	...	1.885373e-03	2.204654e-06	2.617795e-03
K64	4.693056e-05	...	6.218469e-08	2.990148e-08	6.618662e-08
K65	4.347341e-06	...	5.825554e-07	2.235493e-07	6.528550e-07
K66	1.423172e-05	...	5.313730e-07	2.330827e-07	5.902071e-07
L68	5.409317e-05	...	8.399404e-08	3.501122e-08	9.706058e-08
M_N	7.882946e-06	...	2.689082e-08	1.043166e-08	3.020985e-08
J62_63	1.866216e-05	...	5.103240e-05	1.779061e-05	5.842919e-05
M_N	3.432923e-06	...	1.685474e-07	8.579837e-08	1.893198e-07

	M_N	4.277141e-03	...	2.461833e-06	1.267135e-06	2.832367e-06
	O84	2.087012e-05	...	1.420881e-06	5.458211e-07	1.592413e-06
	P85	1.773429e-05	...	3.306666e-07	1.282210e-07	3.708355e-07
	M_N	4.616562e-06	...	1.721973e-07	6.640360e-08	1.930051e-07
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	7.873785e-07	...	7.872930e-09	6.686541e-10	1.196595e-08
	E37-39	2.013777e-07	...	1.562395e-10	7.451606e-11	1.549761e-08
	E37-39	6.661140e-08	...	3.442462e-07	1.962034e-07	4.912691e-07
	E37-39	1.112222e-07	...	7.762578e-07	3.569632e-07	1.024768e-06
	E37-39	5.420946e-10	...	6.551699e-07	4.758206e-07	7.545996e-07
	E37-39	1.425397e-07	...	2.528103e-07	1.467550e-07	2.280166e-07
	E37-39	1.030282e-06	...	4.223832e-07	2.300509e-07	4.034951e-07
	E37-39	5.017411e-08	...	2.910959e-07	1.815928e-07	2.604670e-07
	E37-39	2.997717e-07	...	3.334046e-07	1.933311e-07	3.143497e-07
	E37-39	1.926430e-07	...	2.180209e-04	1.514773e-04	2.022688e-04
	E37-39	1.901048e-07	...	7.481467e-07	4.230214e-07	9.046656e-07
	E37-39	1.310696e-07	...	2.775542e-07	1.750959e-07	2.509718e-07
	E37-39	8.603510e-08	...	2.480104e-07	1.509995e-07	2.372711e-07
	R_S	1.447063e-07	...	5.630838e-09	2.126486e-09	6.328778e-09
	R_S	1.997071e-04	...	1.457534e-07	1.336004e-07	1.622346e-07
	R_S	6.469839e-07	...	2.094885e-08	6.116739e-09	2.172571e-08
	T	4.148050e-08	...	2.350701e-11	1.270899e-11	2.706686e-11
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
CH	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.298388e-07	...	1.418336e-04	1.125956e-04	1.409884e-04
	A01	1.115319e-03	...	5.477053e-09	4.943540e-09	5.410385e-09
	A01	2.869736e-04	...	1.628443e-03	1.153783e-03	1.652728e-03
	A01	7.136595e-08	...	1.186963e-05	6.821200e-06	1.224721e-05
	A01	2.394520e-07	...	6.561786e-09	5.922610e-09	6.481914e-09
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.643463e-01	...	5.262401e-04	1.647949e-04	5.705003e-04
	A01	2.332598e-06	...	6.397444e-08	5.774277e-08	6.319572e-08
	A01	1.671921e-06	...	4.581627e-08	4.135335e-08	4.525858e-08
	A01	1.840054e-06	...	5.042367e-08	4.551196e-08	4.980990e-08
	A01	2.970092e-07	...	5.800781e-05	3.201942e-09	6.842325e-05
	A01	3.181760e-03	...	1.753906e-09	3.922307e-08	1.759377e-09
	A01	3.372797e-06	...	9.242596e-08	8.342285e-08	9.130093e-08
	A01	2.740691e-11	...	4.766174e-12	4.504569e-12	4.791098e-12
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	2.921865e-05	...	1.175463e-07	4.341779e-09	1.472361e-07
	A03	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	1.056622e-06	...	1.578791e-09	2.695445e-08	1.602945e-09
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.881543e-04	...	3.509299e-08	8.124917e-08	3.389782e-08
B_nongas	3.586622e-05	...	7.191345e-08	1.673517e-07	6.929920e-08
B_nongas	4.549836e-03	...	9.808170e-01	6.764222e-01	9.581608e-01
C10-12	7.815168e-06	...	6.283020e-08	2.228930e-08	6.482175e-08
C10-12	1.789064e-05	...	1.438323e-07	5.102513e-08	1.483914e-07
C10-12	1.411686e-05	...	1.134929e-07	4.026212e-08	1.170903e-07
C10-12	2.036096e-05	...	1.640770e-07	5.826852e-08	1.691675e-07
C10-12	2.433746e-03	...	1.240817e-04	2.996175e-07	2.156777e-04
C10-12	9.114995e-02	...	1.796516e-05	2.453170e-06	1.872963e-05
C10-12	4.169769e-06	...	3.352307e-08	1.189279e-08	3.458565e-08
C10-12	2.365621e-03	...	4.005344e-03	1.954543e-04	4.622822e-03
C10-12	1.623271e+00	...	1.456183e-01	1.038916e-01	1.468564e-01
C10-12	9.525587e-02	...	1.424116e-02	1.753604e-06	1.557202e-02
C10-12	3.326281e-03	...	8.223280e-08	8.124326e-08	8.496224e-08
C10-12	5.066291e-04	...	1.368049e-01	1.620398e-02	1.402364e-01
C13-15	1.323567e-02	...	4.215068e-02	3.569509e-02	4.081814e-02
C13-15	1.404350e-03	...	2.431170e-04	1.337669e-04	2.483755e-04
C13-15	2.231012e-03	...	8.880726e-07	5.663332e-07	1.214558e-03
C16	6.421019e-03	...	1.527064e-05	3.821704e-06	2.573605e-05
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	5.049197e-07	...	1.090228e-03	9.982773e-04	1.066870e-03
C17	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.228165e-02	...	1.276765e-06	2.224093e-05	1.261180e-06
C18	3.355913e-04	...	1.410042e-05	2.985981e-04	1.252616e-05
C19	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C19	2.907081e-02	...	1.065876e-01	7.071838e-02	1.034771e-01
C24	2.688265e-06	...	4.537608e-03	1.152520e-07	4.438828e-03
C20-21	3.826537e-05	...	6.246803e-02	6.055704e-02	6.070678e-02
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.484654e-07	...	1.770744e-11	1.575096e-11	1.817370e-11
C20-21	1.192834e-02	...	4.957386e-07	3.448659e-07	6.998141e-07
C20-21	2.696071e-01	...	1.972573e-02	1.045555e-02	1.894574e-02
C22	6.763549e-02	...	3.815931e-03	4.974441e-06	4.919634e-03
C23	1.944939e-02	...	9.759368e-03	6.719805e-03	9.532189e-03
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.914204e-04	...	2.701491e-03	1.861455e-03	2.638496e-03

C23	2.221472e-05	...	7.704813e-04	5.313488e-04	7.526955e-04
C23	1.274494e-04	...	1.298655e-02	8.955741e-03	1.268690e-02
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.503897e-03	...	7.871194e-03	5.519462e-03	7.689685e-03
C24	5.117233e-06	...	1.041029e-02	6.509094e-03	1.018441e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.839378e-05	...	1.595706e-01	3.672518e-02	1.745502e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.195820e-06	...	7.597709e-06	6.475579e-07	8.850701e-06
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.690732e-07	...	2.246229e-03	4.057888e-04	2.503247e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.695882e-06	...	1.908370e-06	2.575406e-07	1.391839e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.254782e-07	...	1.770533e-05	1.104741e-06	3.396580e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.465124e-06	...	1.594564e-06	1.774499e-07	1.665613e-06
C25_33	5.756404e-02	...	2.971025e-05	1.365873e-04	3.954141e-05
C25	1.985464e-03	...	2.360479e-02	2.021233e-03	2.468487e-02
C26	9.231605e-03	...	7.389303e-05	1.501572e-05	1.064377e-04
C27	3.046037e-01	...	1.085233e-01	6.323088e-02	9.640919e-02
C27	1.316817e-02	...	8.630234e-03	2.516739e-03	8.845159e-03
C28_32	6.967746e-02	...	2.213216e-03	1.212844e-03	2.661750e-03
C29	2.378167e-04	...	2.571634e-03	1.838733e-03	2.627609e-03
C30	7.833840e-05	...	1.663429e-02	1.181110e-02	1.685392e-02
C31	8.257717e-02	...	4.248630e-03	2.003486e-03	4.036236e-03
E37-39	3.472297e-05	...	2.954740e-07	2.011085e-07	2.826169e-07
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	6.529726e-07	...	6.728150e-08	2.931127e-08	6.353237e-08
D35	2.547780e-05	...	2.625015e-06	1.143446e-06	2.478728e-06
D35	3.214390e-05	...	3.311833e-06	1.442621e-06	3.127271e-06
D35	1.367459e-07	...	2.526773e-09	1.178885e-09	2.357591e-09
D35	2.128082e-07	...	2.218879e-08	9.729988e-09	2.103834e-08
D35	2.180036e-06	...	2.246123e-07	9.784021e-08	2.120951e-07
D35	2.792821e-08	...	2.846790e-09	1.220647e-09	2.687818e-09
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.917463e-05	...	3.005905e-06	1.309360e-06	2.838391e-06
D35	6.964151e-05	...	7.175267e-06	3.125517e-06	6.775402e-06
D35	5.802986e-06	...	5.978901e-07	2.604384e-07	5.645708e-07
D35	3.475725e-07	...	4.848038e-08	2.440279e-08	4.504194e-08
E36	1.639666e-04	...	1.698430e-05	7.398278e-06	1.603780e-05
F	3.227394e-03	...	4.352823e-02	2.996917e-02	4.251608e-02
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	6.187405e-04	...	1.309585e-05	1.876306e-05	1.425395e-05

G47	2.278885e-04	...	3.101038e-05	2.660802e-05	3.149339e-05
G46	1.493858e-01	...	2.395618e-02	1.117498e-02	2.435926e-02
G47	1.287546e-01	...	2.161784e-02	1.002025e-02	2.196349e-02
I	1.148658e-02	...	7.240160e-05	3.733394e-05	7.317830e-05
H49	6.836875e-02	...	4.956471e-04	3.070040e-04	5.219617e-04
H49	8.590361e-02	...	1.101307e-03	7.539175e-04	1.120148e-03
H49	1.165510e-04	...	1.965085e-04	1.340951e-04	1.967237e-04
H50	9.017805e-03	...	4.744148e-04	3.425616e-04	4.797087e-04
H50	5.522302e-04	...	2.099576e-05	1.541132e-05	2.127263e-05
H51	3.275590e-03	...	7.177507e-04	5.279358e-04	7.243425e-04
H52	4.943096e-02	...	1.614975e-03	1.147179e-03	1.636458e-03
H53	1.137252e-02	...	2.124899e-03	6.248850e-06	2.949207e-03
K64	6.768336e-02	...	6.092508e-08	3.060319e-08	6.533583e-08
K65	2.465539e-02	...	1.996737e-08	9.755005e-09	2.258778e-08
K66	3.339230e-04	...	8.670814e-07	4.686432e-07	9.475783e-07
L68	1.149655e-03	...	1.354002e-06	1.102139e-06	1.419923e-06
M_N	1.562475e-02	...	6.880133e-05	4.256064e-05	6.926054e-05
J62_63	6.267730e-04	...	1.749414e-04	7.746205e-05	1.809334e-04
M_N	4.320706e-03	...	1.803795e-03	1.357205e-03	1.763537e-03
M_N	2.203186e-01	...	7.383474e-04	4.783493e-04	7.454687e-04
O84	1.870809e-03	...	1.156550e-04	7.810751e-05	1.101411e-04
P85	5.583669e-04	...	9.985790e-04	6.887271e-04	9.754303e-04
M_N	1.301088e-03	...	8.670993e-04	5.656045e-04	8.522977e-04
E37-39	3.638703e-04	...	1.064143e-05	4.912810e-06	1.098609e-05
E37-39	2.805659e-04	...	8.235304e-06	3.796680e-06	8.516553e-06
E37-39	3.014851e-05	...	9.166537e-07	4.216840e-07	9.777231e-07
E37-39	2.579902e-04	...	2.052567e-06	9.070114e-07	2.309010e-06
E37-39	5.948282e-05	...	1.813590e-06	8.391986e-07	1.928813e-06
E37-39	7.075003e-05	...	2.178250e-06	1.002220e-06	2.326628e-06
E37-39	7.280373e-05	...	2.690056e-06	1.139269e-06	3.192827e-06
E37-39	3.509547e-05	...	1.018795e-06	4.701380e-07	1.047536e-06
E37-39	4.784624e-06	...	1.359971e-07	6.303885e-08	1.481751e-07
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.628462e-04	...	5.260667e-06	2.421331e-06	5.602771e-06
E37-39	3.345524e-05	...	2.134560e-06	1.295516e-06	2.336306e-06
E37-39	5.437922e-05	...	1.717120e-06	8.130791e-07	1.742911e-06
E37-39	1.044049e-04	...	3.257970e-06	1.528476e-06	3.325023e-06
E37-39	2.356370e-05	...	8.354163e-07	4.040930e-07	8.578440e-07
E37-39	9.986900e-06	...	5.139124e-07	2.631555e-07	5.284541e-07
E37-39	8.170726e-06	...	1.263496e-04	8.771473e-05	1.172583e-04
E37-39	8.260119e-06	...	5.672308e-07	2.991163e-07	5.887684e-07
E37-39	3.477106e-06	...	1.573194e-07	7.923302e-08	1.616963e-07
E37-39	4.169567e-06	...	1.999774e-07	1.015137e-07	2.055860e-07
R_S	1.774069e-04	...	1.755669e-06	1.169229e-06	1.812419e-06
R_S	1.970907e-03	...	6.062078e-06	4.035092e-06	6.257989e-06
R_S	2.135783e-04	...	2.034447e-04	1.721177e-04	1.970708e-04
T	2.906368e-05	...	3.875774e-05	3.279100e-05	3.754355e-05
U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

TR	A01	2.590220e-04	...	6.734116e-04	4.621292e-04	6.853393e-04
	A01	2.138008e-03	...	3.448924e-02	2.638243e-02	3.450304e-02
	A01	7.681709e-03	...	3.099728e-02	2.436624e-02	3.092452e-02
	A01	2.872687e-02	...	7.472180e-01	5.253073e-01	7.583990e-01
	A01	1.963548e-03	...	3.301875e-02	1.973690e-02	3.396830e-02
	A01	1.209408e-03	...	4.101785e-03	2.833086e-03	4.168277e-03
	A01	2.268406e-03	...	7.680823e-03	5.296501e-03	7.806909e-03
	A01	8.508899e-02	...	3.885927e-02	1.614514e-02	4.140070e-02
	A01	4.775867e-03	...	1.637198e-02	1.141297e-02	1.659565e-02
	A01	2.811615e-07	...	8.290169e-07	4.411573e-07	7.964033e-07
	A01	1.441814e-02	...	4.675285e-02	3.174682e-02	4.767172e-02
	A01	3.819567e-03	...	1.309248e-02	9.076999e-03	1.328617e-02
	A01	4.353406e-03	...	1.484106e-03	1.021516e-03	1.510393e-03
	A01	5.957212e-03	...	2.021456e-02	1.396741e-02	2.053604e-02
	A01	6.897355e-05	...	2.322584e-04	1.593875e-04	2.363722e-04
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	1.493741e-06	...	6.578680e-06	1.684039e-06	8.238362e-06
	A03	1.073190e-06	...	1.829946e-06	1.300614e-06	1.853904e-06
	B_nongas	9.160371e-07	...	9.092324e-03	7.147600e-03	9.444167e-03
	B_nongas	2.129819e-08	...	2.605773e-06	1.494797e-06	2.809033e-06
	B_gas	7.278964e-09	...	8.069434e-07	5.071127e-07	8.033116e-07
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.513448e-08	...	1.704005e-02	1.232809e-06	2.057317e-02
	B_nongas	7.850234e-08	...	1.060467e-05	5.879018e-06	1.060814e-05
	B_nongas	2.747265e-11	...	2.068785e-06	1.133951e-06	3.146049e-06
	B_nongas	2.060118e-09	...	2.939717e-07	1.663998e-07	2.930210e-07
	B_nongas	5.816549e-08	...	7.966434e-06	4.416428e-06	7.969038e-06
	B_nongas	9.020383e-09	...	7.198251e-04	1.305439e-04	8.020466e-04
	B_nongas	3.862695e-08	...	4.766135e-06	2.642236e-06	4.767696e-06
	B_nongas	5.769606e-04	...	2.316083e-04	9.638528e-05	2.371209e-04
	B_nongas	1.100911e-04	...	1.215598e-04	5.103103e-05	1.243774e-04
	B_nongas	5.898010e-02	...	4.219666e-01	2.910044e-01	4.122204e-01
	C10-12	4.361652e-07	...	7.364539e-06	5.862857e-06	7.323097e-06
	C10-12	8.322602e-13	...	4.250111e-09	2.945448e-10	3.277380e-09
	C10-12	2.442934e-05	...	2.542446e-02	3.181672e-04	5.780218e-02
	C10-12	1.206301e-07	...	2.202273e-06	1.733980e-06	2.170635e-06
	C10-12	6.600208e-04	...	3.374628e-02	2.428675e-04	5.858414e-02
	C10-12	4.056047e-03	...	1.979896e-03	1.678743e-03	1.926947e-03
	C10-12	8.859705e-07	...	1.447406e-05	1.156885e-05	1.824201e-04
	C10-12	7.015248e-06	...	2.513937e-02	1.327267e-03	2.899323e-02
	C10-12	4.043254e-01	...	1.424857e+00	1.016813e+00	1.436926e+00
	C10-12	1.131221e-02	...	1.223833e-01	7.295782e-05	1.338136e-01
	C10-12	8.164803e-02	...	8.306289e-05	6.851246e-05	8.273191e-05
	C10-12	2.605061e-05	...	3.992374e-01	4.728491e-02	4.092523e-01
	C13-15	2.449622e-02	...	3.048781e+00	2.575698e+00	2.953407e+00
	C13-15	7.556726e-04	...	3.927303e-02	3.504379e-02	3.828416e-02

C13-15	5.561415e-03	...	8.506752e-04	7.606556e-04	1.295723e-02
C16	7.589128e-03	...	2.709660e-02	1.662740e-02	2.656790e-02
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.239476e-06	...	6.590627e-02	6.034618e-02	6.449443e-02
C17	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.406834e-03	...	4.917516e-03	5.670521e-03	4.841749e-03
C18	2.182679e-04	...	8.804493e-04	9.265216e-04	8.683025e-04
C19	1.641113e-06	...	5.601497e-05	4.793184e-05	5.182989e-05
C19	5.681640e-04	...	1.149162e+00	9.598247e-01	1.149390e+00
C24	1.244106e-08	...	1.169043e-03	3.838148e-07	1.143588e-03
C20-21	1.695742e-04	...	8.343787e-01	8.081945e-01	8.109677e-01
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	2.321534e-07	...	5.231471e-06	3.926849e-06	5.410086e-06
C20-21	2.155585e-04	...	1.001430e-03	5.018288e-04	9.969224e-04
C20-21	7.166424e-03	...	5.220307e-02	3.464202e-02	5.168838e-02
C22	2.539270e-02	...	1.394932e-01	3.624696e-02	1.631030e-01
C23	2.740381e-03	...	3.061137e-02	1.921441e-02	2.994982e-02
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	3.467448e-04	...	5.321238e-02	3.335080e-02	5.206302e-02
C23	1.370045e-06	...	1.120230e-04	8.974985e-05	1.103980e-04
C23	4.824343e-05	...	1.611239e-03	9.028569e-04	1.661091e-03
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.509955e-03	...	4.522862e-02	3.153598e-02	4.428027e-02
C24	4.375034e-03	...	6.961846e-03	4.208725e-03	7.004931e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.489959e-05	...	1.706653e-01	4.012024e-02	1.865429e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.573690e-05	...	1.311512e-03	1.010181e-03	1.332153e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.038995e-06	...	3.726129e-02	6.844292e-03	4.150249e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.986041e-05	...	1.043674e-03	8.450865e-04	1.055632e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.831303e-07	...	6.661639e-05	5.493826e-05	6.599473e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.340898e-05	...	4.652576e-04	3.767980e-04	4.642234e-04
C25_33	8.744783e-03	...	4.783859e-01	2.982898e-01	4.687044e-01
C25	1.750962e-03	...	2.170923e-01	9.658241e-02	2.173278e-01
C26	2.602877e-05	...	6.312103e-05	8.622630e-06	8.194808e-05
C27	5.585009e-02	...	3.929608e-01	2.292623e-01	3.490051e-01
C27	8.238575e-04	...	8.140638e-03	3.215547e-03	7.956422e-03
C28_32	9.222290e-04	...	8.445481e-04	4.764778e-04	8.338733e-04
C29	1.691900e-03	...	1.900096e-01	1.306345e-01	1.916789e-01
C30	4.466259e-05	...	5.507512e-02	3.844907e-02	5.556231e-02
C31	3.320221e-04	...	1.295465e-02	1.083350e-02	1.259480e-02
E37-39	1.924300e-06	...	2.799215e-04	2.072021e-04	2.790731e-04
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.117868e-03	...	7.896887e-03	4.609632e-03	7.012986e-03

D35	2.742747e-03	...	1.937179e-02	1.130794e-02	1.720296e-02
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	9.856028e-04	...	6.958588e-03	4.062022e-03	6.179128e-03
D35	2.273825e-06	...	1.613365e-05	9.418115e-06	1.433783e-05
D35	4.810217e-05	...	3.414281e-04	1.992596e-04	3.034514e-04
D35	1.451559e-06	...	8.250797e-06	4.814451e-06	7.333956e-06
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	9.662851e-07	...	6.851265e-06	4.001198e-06	6.087330e-06
D35	7.297273e-06	...	5.178196e-05	3.022622e-05	4.601897e-05
D35	2.199481e-03	...	1.552937e-02	9.065138e-03	1.378994e-02
D35	5.864657e-03	...	4.141827e-02	2.417728e-02	3.678067e-02
D35	3.787467e-04	...	2.675795e-03	1.561930e-03	2.376327e-03
D35	2.322352e-05	...	1.629709e-04	9.517645e-05	1.447991e-04
E36	4.473033e-05	...	1.967503e-03	1.904894e-04	2.055299e-03
F	2.297373e-03	...	1.240522e-03	5.925758e-04	1.190325e-03
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	9.523951e-04	...	7.760230e-03	2.912383e-03	7.564562e-03
G47	6.153066e-05	...	5.360725e-04	1.822392e-04	5.473522e-04
G46	8.161519e-04	...	6.529886e-03	6.006004e-03	6.567632e-03
G47	1.874430e-04	...	9.007833e-03	6.813046e-03	9.071679e-03
I	1.051203e-02	...	1.202888e-04	1.121178e-02	1.183155e-04
H49	1.543145e-02	...	6.403540e-05	1.527768e-05	7.836903e-05
H49	3.460658e-02	...	7.601587e-05	3.517547e-05	8.018765e-05
H49	3.564088e-04	...	3.927945e-05	2.398364e-05	3.813247e-05
H50	3.016637e-03	...	3.379715e-05	2.669072e-05	3.369717e-05
H50	1.624690e-04	...	9.644005e-07	9.401130e-07	9.835917e-07
H51	1.009650e-03	...	6.031376e-01	5.092076e-01	5.982898e-01
H52	8.573834e-03	...	1.643228e-04	1.182333e-04	1.643269e-04
H53	7.339934e-04	...	1.809691e-02	1.913002e-06	2.514063e-02
K64	3.866814e-03	...	4.298759e-04	3.043788e-04	4.429781e-04
K65	1.790910e-04	...	2.599037e-06	1.837933e-06	2.668475e-06
K66	2.515692e-06	...	3.208496e-06	1.967080e-06	3.345468e-06
L68	7.269883e-05	...	1.231578e-06	7.321525e-07	1.219942e-06
M_N	1.933901e-06	...	1.295902e-04	9.259954e-05	1.324823e-04
J62_63	8.150869e-06	...	6.403141e-06	2.593268e-06	6.997485e-06
M_N	3.437790e-09	...	5.211993e-08	2.679872e-08	5.854920e-08
M_N	1.111591e-02	...	3.305263e-04	1.822436e-04	3.111690e-04
O84	1.542892e-05	...	9.134088e-09	2.106445e-08	1.007553e-08
P85	6.357487e-04	...	3.774893e-04	2.196163e-04	3.607029e-04
M_N	1.429688e-04	...	7.549860e-05	5.408410e-05	7.695536e-05
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.061091e-09	...	3.625244e-07	1.233119e-07	5.777827e-07
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

	E37-39	4.435955e-09	...	6.126323e-07	1.714237e-07	1.082647e-06
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	4.003175e-08	...	7.354837e-07	3.384208e-07	9.714829e-07
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	2.227147e-08	...	1.758312e-07	1.020362e-07	1.585351e-07
	E37-39	1.117220e-08	...	2.823912e-07	1.529321e-07	2.698070e-07
	E37-39	8.305099e-09	...	2.017863e-07	1.263340e-07	1.801265e-07
	E37-39	9.792170e-09	...	2.328594e-07	1.350649e-07	2.194969e-07
	E37-39	4.225754e-08	...	1.524827e-04	1.059425e-04	1.414658e-04
	E37-39	3.331347e-09	...	5.230016e-07	2.957399e-07	6.324461e-07
	E37-39	2.761805e-08	...	1.940713e-07	1.224373e-07	1.754760e-07
	E37-39	2.694941e-08	...	2.290564e-07	1.394627e-07	2.191345e-07
	R_S	4.393772e-09	...	1.417563e-09	2.098193e-08	1.377422e-09
	R_S	1.372560e-04	...	8.373864e-05	5.013552e-05	9.404222e-05
	R_S	6.367810e-06	...	3.654903e-06	2.464310e-06	3.659296e-06
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
TW	A01	4.000051e-06	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	6.198681e-06	...	5.047238e-05	4.065698e-05	5.014719e-05
	A01	7.038570e-05	...	3.307139e-02	2.343154e-02	3.356459e-02
	A01	0.000000e+00	...	5.066784e-02	2.911481e-02	5.228004e-02
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	9.770311e-11	5.675450e-11	0.000000e+00
	A01	9.531436e-03	...	1.723143e-02	5.395933e-03	1.868074e-02
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	9.334482e-06	0.000000e+00	1.101062e-05
	A01	9.128738e-04	...	0.000000e+00	8.349121e-09	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A02	1.027362e-07	...	3.510152e-07	1.296536e-08	4.396743e-07	
A03	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	0.000000e+00	...	2.236844e-03	0.0000		

B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	3.071379e-06	...	2.124716e-08	0.000000e+00	2.550881e-08
B_nongas	1.659601e-02	...	1.181010e-01	8.144853e-02	1.153729e-01
C10-12	0.000000e+00	...	1.718745e-10	1.068992e-09	1.984951e-10
C10-12	0.000000e+00	...	1.972135e-09	1.100508e-10	1.514032e-09
C10-12	0.000000e+00	...	2.555846e-04	5.982863e-09	5.863365e-04
C10-12	0.000000e+00	...	1.893067e-09	9.665555e-10	1.408707e-09
C10-12	7.368946e-05	...	8.306287e-05	1.226268e-08	1.447567e-04
C10-12	9.015238e-05	...	8.575404e-10	9.773413e-10	7.593244e-10
C10-12	0.000000e+00	...	1.564762e-07	1.005299e-07	1.667423e-04
C10-12	6.556383e-06	...	2.811460e-04	1.370288e-05	3.244952e-04
C10-12	3.307858e-02	...	4.372137e-02	3.119633e-02	4.409292e-02
C10-12	5.757630e-04	...	3.776578e-03	9.260050e-08	4.129569e-03
C10-12	0.000000e+00	...	1.560226e-07	2.284378e-06	1.662278e-07
C10-12	8.776450e-08	...	8.545722e-03	1.012143e-03	8.760070e-03
C13-15	2.911826e-03	...	1.063632e+00	9.009145e-01	1.029997e+00
C13-15	9.893920e-06	...	1.609776e-05	6.356731e-04	2.035332e-05
C13-15	9.802120e-04	...	4.457153e-06	1.675267e-06	1.121832e-02
C16	6.729617e-04	...	6.785460e-05	2.235159e-06	1.548961e-04
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	0.000000e+00	...	4.124659e-03	3.776779e-03	4.036285e-03
C17	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	5.920591e-04	...	1.573620e-05	3.103182e-04	1.551812e-05
C18	2.402461e-05	...	5.998860e-06	1.375866e-04	5.267055e-06
C19	5.860340e-08	...	1.855095e-03	1.295740e-03	1.457160e-03
C19	5.122297e-03	...	1.394032e-01	1.128728e-01	1.374964e-01
C24	0.000000e+00	...	2.774445e-04	0.000000e+00	2.714036e-04
C20-21	0.000000e+00	...	3.926627e-01	3.806619e-01	3.815898e-01
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	...	1.219912e-07	8.327163e-08	2.153692e-07
C20-21	2.041372e-04	...	1.571563e-06	6.253815e-07	4.418026e-06
C20-21	5.848101e-03	...	8.289653e-03	4.389595e-03	7.957814e-03
C22	6.904337e-03	...	3.632881e-02	3.155307e-05	4.683991e-02
C23	1.261192e-03	...	2.442154e-04	8.819634e-05	2.257041e-04
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	0.000000e+00	...	1.314150e-04	5.869545e-05	1.171378e-04
C23	0.000000e+00	...	6.681440e-06	3.676697e-07	9.598967e-06
C23	2.276571e-07	...	6.264606e-05	2.601479e-05	6.787447e-05
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	5.313935e-04	...	1.114731e-05	5.943758e-04	1.279012e-05
C24	0.000000e+00	...	2.794544e-01	1.748073e-01	2.733808e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	5.424463e-03	1.248566e-03	5.933736e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	7.077979e-05	3.254517e-06	9.528658e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

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	H52	9.349929e-04	...	7.331801e-10	1.055762e-09	7.420074e-10
	H53	3.960744e-05	...	1.441153e-04	1.343034e-08	2.002094e-04
	K64	1.223601e-06	...	9.114497e-09	4.984996e-09	8.001211e-09
	K65	1.565272e-04	...	3.430299e-11	0.000000e+00	6.622902e-11
	K66	1.056019e-06	...	2.728858e-07	1.484135e-07	2.974258e-07
	L68	4.454429e-05	...	5.396817e-08	2.515933e-08	6.515741e-08
	M_N	4.119820e-07	...	4.357044e-10	1.534634e-10	5.335163e-10
	J62_63	8.825850e-07	...	2.252649e-06	8.628909e-07	2.524102e-06
	M_N	4.802827e-06	...	1.083494e-06	5.571045e-07	1.217149e-06
	M_N	2.438782e-03	...	2.192864e-07	1.198679e-07	2.538859e-07
	O84	1.392650e-06	...	0.000000e+00	0.000000e+00	0.000000e+00
	P85	2.200346e-09	...	7.141560e-11	3.803107e-11	8.727423e-11
	M_N	0.000000e+00	...	3.952459e-10	1.726207e-10	4.167336e-10
	E37-39	8.843322e-08	...	7.533859e-08	2.955078e-08	1.403837e-07
	E37-39	1.342308e-07	...	8.308047e-08	3.367844e-08	1.435443e-07
	E37-39	5.470498e-07	...	1.167867e-07	5.140293e-08	1.525413e-07
	E37-39	4.131042e-05	...	3.812860e-07	1.296936e-07	6.076844e-07
	E37-39	3.848101e-08	...	8.702195e-08	3.917843e-08	1.521135e-07
	E37-39	2.652420e-08	...	1.219512e-07	4.980797e-08	2.108166e-07
	E37-39	3.266924e-08	...	5.437816e-07	1.521583e-07	9.609737e-07
	E37-39	1.989361e-08	...	4.116030e-09	0.000000e+00	6.636261e-09
	E37-39	1.020678e-08	...	0.000000e+00	0.000000e+00	9.297254e-09
	E37-39	4.313599e-09	...	2.782343e-07	1.585818e-07	3.970743e-07
	E37-39	1.112295e-06	...	6.377813e-07	2.934646e-07	8.424301e-07
	E37-39	0.000000e+00	...	1.047692e-06	7.610426e-07	1.206705e-06
	E37-39	5.617616e-08	...	1.524541e-07	8.847029e-08	1.374576e-07
	E37-39	5.362470e-08	...	2.448369e-07	1.325942e-07	2.339262e-07
	E37-39	7.175236e-09	...	1.749682e-07	1.095438e-07	1.561871e-07
	E37-39	1.085919e-08	...	2.019709e-07	1.171488e-07	1.903810e-07
	E37-39	1.828024e-08	...	1.322710e-04	9.189968e-05	1.227143e-04
	E37-39	7.995181e-09	...	4.537011e-07	2.565528e-07	5.486436e-07
	E37-39	8.116876e-09	...	1.683554e-07	1.062135e-07	1.522242e-07
	E37-39	1.706846e-08	...	1.987051e-07	1.209830e-07	1.900979e-07
	R_S	3.632566e-10	...	5.814629e-10	1.967698e-10	6.618464e-10
	R_S	3.165739e-08	...	3.558014e-08	3.955221e-09	3.924860e-08
	R_S	6.775858e-09	...	4.790951e-09	7.551524e-10	4.386611e-09
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
NO	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.863241e-09	...	1.315147e-07	1.202134e-07	1.276118e-07
	A01	3.198199e-09	...	1.038422e-06	9.963214e-07	1.008894e-06
	A01	8.489146e-07	...	9.360510e-07	8.728393e-07	9.087391e-07
	A01	3.254978e-10	...	1.055308e-07	1.012036e-07	1.025286e-07
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.231272e-03	...	3.228916e-04	1.022098e-04	3.498593e-04
	A01	6.322544e-07	...	2.311417e-07	2.159513e-07	2.246047e-07
	A01	5.286571e-07	...	2.117442e-08	2.039166e-08	2.074060e-08

A01	2.459481e-07	...	5.260547e-07	4.861815e-07	5.106581e-07
A01	9.522528e-08	...	3.638562e-05	2.673269e-07	4.285957e-05
A01	5.419854e-04	...	2.572471e-08	2.463526e-08	2.498713e-08
A01	2.204999e-06	...	1.000573e-06	9.282238e-07	9.719305e-07
A01	5.321855e-08	...	1.716560e-08	1.585045e-08	1.667709e-08
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A02	2.042820e-05	...	6.988834e-06	1.283184e-06	7.859561e-06
A03	2.301490e-04	...	8.537667e-05	1.081399e-05	9.207546e-05
B_nongas	1.016346e-05	...	3.260530e-05	1.833374e-05	2.931993e-05
B_nongas	7.355532e-04	...	3.125604e-03	1.804807e-03	2.819524e-03
B_gas	2.912321e-03	...	9.135094e-03	5.117554e-03	8.223722e-03
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	9.649130e-08	...	6.198234e-04	1.490699e-07	7.483210e-04
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	2.340096e-08	...	5.387262e-08	2.085823e-08	6.812128e-08
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	3.571612e-06	...	1.190095e-05	6.658179e-06	1.072759e-05
B_nongas	5.146355e-05	...	5.177729e-06	3.691331e-06	4.725771e-06
B_nongas	2.703608e-05	...	9.929355e-05	5.589201e-05	8.926169e-05
B_nongas	1.994449e-06	...	1.675903e-03	1.154285e-03	1.636270e-03
C10-12	1.292781e-06	...	4.257270e-06	1.986733e-06	4.052943e-06
C10-12	5.425172e-06	...	1.195506e-05	4.890940e-06	1.166544e-05
C10-12	3.621026e-06	...	1.515802e-05	7.230195e-06	1.427337e-05
C10-12	2.000949e-05	...	6.162592e-05	2.409174e-05	6.081035e-05
C10-12	7.867440e-06	...	2.092809e-05	1.085965e-05	1.924952e-05
C10-12	2.171276e-04	...	2.190927e-04	1.179478e-04	2.000285e-04
C10-12	9.205975e-09	...	9.543293e-09	2.897780e-09	9.375226e-09
C10-12	1.117946e-08	...	1.626974e-08	8.792181e-09	1.477311e-08
C10-12	6.301415e-03	...	3.463792e-03	2.439066e-03	3.478888e-03
C10-12	1.108728e-03	...	1.146506e-02	3.472654e-05	1.252524e-02
C10-12	4.229764e-02	...	3.867525e-04	2.227078e-04	3.507750e-04
C10-12	2.563529e-06	...	1.867950e-06	9.403910e-07	1.743713e-06
C13-15	6.478627e-04	...	4.048175e-03	3.415427e-03	3.922853e-03
C13-15	2.469429e-05	...	9.589519e-05	8.211928e-05	9.407039e-05
C13-15	5.804911e-05	...	1.722179e-07	9.112692e-08	1.189425e-05
C16	3.837576e-04	...	2.439896e-05	2.379786e-06	3.473877e-05
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	7.919120e-05	...	3.754503e-03	3.352690e-03	3.679389e-03
C17	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	3.047771e-03	...	8.107600e-05	9.180548e-05	7.974011e-05
C18	5.870116e-05	...	1.313159e-04	8.919787e-05	1.208944e-04
C19	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C19	1.013779e-04	...	1.991552e-01	1.618250e-01	1.972037e-01
C24	1.164504e-08	...	7.840666e-04	5.268149e-08	7.669967e-04

C20-21	4.731923e-05	...	2.951590e-02	2.840911e-02	2.867438e-02
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.085324e-07	...	8.381919e-05	6.672948e-07	1.009252e-04
C20-21	2.282287e-03	...	3.339698e-03	2.291704e-03	3.263906e-03
C20-21	3.924691e-05	...	6.853303e-04	3.696505e-04	6.587341e-04
C22	2.989332e-03	...	2.419560e-03	4.236543e-04	2.976975e-03
C23	1.097051e-04	...	1.240911e-04	6.232439e-05	1.173122e-04
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	8.445578e-06	...	3.609207e-04	1.145498e-05	3.524394e-04
C23	9.012381e-07	...	4.392750e-06	1.784617e-06	4.214904e-06
C23	1.091820e-05	...	7.384251e-05	2.640745e-05	7.206843e-05
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	8.700324e-05	...	2.386502e-04	1.897995e-04	2.238827e-04
C24	4.664636e-06	...	7.819695e-03	4.910037e-03	7.649714e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.000225e-06	...	7.316631e-05	2.968217e-05	7.761420e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.409484e-05	...	2.293073e-04	1.964960e-04	2.246953e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.343017e-06	...	2.464651e-03	4.601204e-04	2.743699e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.673991e-06	...	2.956439e-05	2.477948e-05	8.803134e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.223805e-06	...	1.108749e-04	8.502557e-05	1.202771e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.136921e-06	...	1.777638e-05	1.596028e-05	1.739332e-05
C25_33	1.199446e-03	...	1.256510e-03	7.427538e-04	1.140035e-03
C25	3.882523e-03	...	3.857337e-02	1.572595e-02	3.640685e-02
C26	2.954196e-06	...	5.994982e-06	1.686956e-06	9.493391e-06
C27	2.414455e-03	...	1.738562e-02	1.012985e-02	1.544367e-02
C27	4.682902e-05	...	9.490301e-04	1.907852e-04	1.013065e-03
C28_32	7.007683e-04	...	3.529226e-04	2.079567e-04	3.659461e-04
C29	4.216636e-05	...	2.440348e-03	1.716103e-03	2.480738e-03
C30	6.330774e-04	...	2.663270e-02	1.816551e-02	2.643587e-02
C31	2.157513e-03	...	1.026802e-04	5.099186e-05	1.038147e-04
E37-39	5.666840e-07	...	3.093665e-08	2.924468e-08	3.108879e-08
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.072800e-07	...	4.126773e-07	1.204650e-07	6.486999e-07
D35	2.222054e-07	...	4.314631e-07	2.342806e-07	3.931720e-07
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.587312e-05	...	4.691876e-05	2.520548e-05	4.280906e-05
D35	2.538347e-07	...	9.567956e-07	5.459832e-07	8.572211e-07
D35	5.724432e-09	...	1.324785e-08	7.200753e-09	1.205582e-08
D35	9.587329e-08	...	2.516376e-07	1.470014e-07	2.255707e-07
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

D35	6.906107e-08	...	1.539310e-07	6.994222e-08	1.803573e-07
D35	2.674923e-06	...	8.085525e-06	4.624939e-06	7.247269e-06
D35	2.335580e-05	...	8.588824e-05	4.896114e-05	7.686730e-05
D35	5.959179e-07	...	1.313118e-06	7.108296e-07	1.197547e-06
D35	5.715830e-06	...	6.750910e-06	3.935198e-06	6.053685e-06
E36	9.984748e-08	...	1.533246e-09	1.448843e-09	1.541246e-09
F	1.925244e-04	...	1.110807e-03	4.947419e-04	1.034744e-03
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	2.753939e-05	...	1.969100e-06	4.995727e-07	2.049985e-06
G47	8.293561e-06	...	7.642842e-06	6.322005e-06	7.754774e-06
G46	2.030652e-03	...	4.098808e-03	2.315057e-03	3.690602e-03
G47	3.376050e-04	...	6.954291e-04	4.063766e-04	6.288073e-04
I	1.702127e-03	...	5.745293e-07	1.643176e-06	6.015843e-07
H49	3.602669e-03	...	8.403849e-05	9.301309e-06	1.044125e-04
H49	1.469633e-02	...	1.442445e-04	6.125815e-05	1.418249e-04
H49	3.942275e-05	...	1.014530e-04	5.812581e-05	9.453276e-05
H50	7.843825e-04	...	3.060320e-05	2.777911e-05	2.997574e-05
H50	6.664910e-06	...	4.195569e-10	1.113730e-07	3.503798e-10
H51	4.402474e-04	...	5.774921e-04	3.663313e-04	5.329724e-04
H52	9.995801e-03	...	2.269039e-06	8.142499e-07	2.351397e-06
H53	7.329441e-04	...	3.605531e-04	2.600752e-06	4.901913e-04
K64	5.512631e-05	...	1.637562e-08	8.954552e-09	1.437858e-08
K65	2.086577e-04	...	3.085042e-09	1.644356e-09	3.388127e-09
K66	1.509766e-06	...	2.102077e-07	1.143249e-07	2.291112e-07
L68	6.335626e-05	...	1.071701e-06	1.413328e-07	1.140955e-06
M_N	1.022061e-03	...	7.775719e-08	7.363751e-08	7.736125e-08
J62_63	5.431730e-05	...	1.839843e-06	2.366768e-07	1.924730e-06
M_N	1.022151e-05	...	1.168637e-07	1.045998e-07	1.180711e-07
M_N	1.030577e-02	...	3.038757e-05	2.549104e-06	3.180493e-05
O84	1.215686e-05	...	1.265962e-10	6.923146e-11	1.465445e-10
P85	1.051645e-05	...	1.149226e-10	6.123303e-11	1.403289e-10
M_N	1.707631e-04	...	3.065696e-04	1.969506e-04	2.833946e-04
E37-39	6.926064e-07	...	1.383774e-07	5.520890e-08	2.564015e-07
E37-39	5.255635e-07	...	1.519737e-07	6.227241e-08	2.616832e-07
E37-39	2.523990e-07	...	2.120167e-07	9.338256e-08	2.768876e-07
E37-39	6.641808e-06	...	6.963983e-07	2.397341e-07	1.107116e-06
E37-39	2.245378e-07	...	1.581551e-07	7.132447e-08	2.762719e-07
E37-39	1.589719e-07	...	2.216097e-07	9.068445e-08	3.828619e-07
E37-39	3.968255e-07	...	9.873235e-07	2.771067e-07	1.743841e-06
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	5.994054e-07	...	1.157126e-06	5.332634e-07	1.527875e-06
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.585246e-07	...	2.765736e-07	1.606629e-07	2.494135e-07
E37-39	3.152737e-07	...	4.442524e-07	2.408861e-07	4.244902e-07
E37-39	2.621903e-07	...	3.175585e-07	1.990337e-07	2.835461e-07
E37-39	1.996391e-07	...	3.663957e-07	2.126995e-07	3.453994e-07

ID	E37-39	1.997908e-07	...	2.399562e-04	1.667176e-04	2.226193e-04
	E37-39	5.634687e-07	...	8.241862e-07	4.667624e-07	9.962695e-07
	E37-39	1.535573e-07	...	3.049780e-07	1.924361e-07	2.757651e-07
	E37-39	1.570866e-07	...	3.600152e-07	2.192367e-07	3.444259e-07
	R_S	8.139576e-09	...	1.054753e-09	3.569334e-10	1.200566e-09
	R_S	1.353702e-05	...	2.919366e-06	2.614155e-07	3.058969e-06
	R_S	4.757382e-06	...	2.351321e-08	1.562393e-08	2.268977e-08
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	1.210075e-05	9.747509e-06	1.202279e-05
	A01	7.191219e-05	...	1.082623e-01	7.670536e-02	1.098769e-01
	A01	0.000000e+00	...	4.327036e-04	2.486406e-04	4.464718e-04
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	1.932989e-09	1.122849e-09	0.000000e+00
	A01	3.126876e-01	...	6.371859e-02	1.995314e-02	6.907784e-02
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.545218e-10	...	2.001841e-04	0.000000e+00	2.361300e-04
	A01	6.059735e-05	...	0.000000e+00	4.578812e-10	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	2.153735e-08	...	2.536036e-06	9.367292e-08	3.176586e-06
	A03	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	4.237635e-02	3.367497e-02	4.442023e-02
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
B_nongas	9.205780e-06	...	1.722195e-09	0.000000e+00	2.361963e-09	
B_nongas	0.000000e+00	...	4.501962e-10	0.000000e+00	5.404942e-10	
B_nongas	2.986330e-05	...	1.050479e-03	7.244645e-04	1.026214e-03	
C10-12	0.000000e+00	...	7.043643e-12	4.380869e-11	8.134588e-12	
C10-12	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00	
C10-12	0.000000e+00	...	4.485322e-07	1.049949e-11	1.028978e-06	
C10-12	0.000000e+00	...	2.005913e-10	1.024172e-10	1.492680e-10	
C10-12	1.578162e-04	...	6.634435e-02	9.794504e-06	1.156207e-01	

C10-12	0.000000e+00	...	3.795684e-09	4.325953e-09	3.360956e-09
C10-12	0.000000e+00	...	1.607305e-08	1.032631e-08	1.712758e-05
C10-12	1.545149e-05	...	1.572050e-04	7.662071e-06	1.814440e-04
C10-12	1.772947e-02	...	1.295816e-01	9.245984e-02	1.306828e-01
C10-12	1.382194e-05	...	4.694650e-03	1.151113e-07	5.133453e-03
C10-12	7.211235e-03	...	6.735010e-07	9.860949e-06	7.175537e-07
C10-12	5.557183e-07	...	1.450761e-02	1.718260e-03	1.487150e-02
C13-15	1.522233e-03	...	4.021320e-01	3.406128e-01	3.894157e-01
C13-15	1.357802e-04	...	5.533386e-06	2.185039e-04	6.996177e-06
C13-15	1.432967e-02	...	1.871113e-06	7.032771e-07	4.709452e-03
C16	1.602600e-04	...	7.566957e-05	2.492587e-06	1.727358e-04
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	0.000000e+00	...	4.858331e-01	4.448572e-01	4.754238e-01
C17	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	3.334639e-05	...	3.240080e-05	6.389447e-04	3.195177e-05
C18	1.515875e-06	...	4.788980e-06	1.098375e-04	4.204768e-06
C19	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C19	1.068580e-04	...	5.535994e-04	8.684446e-05	5.130197e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	...	1.835246e-02	1.779156e-02	1.783494e-02
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	...	2.193023e-07	1.496966e-07	3.871672e-07
C20-21	0.000000e+00	...	1.471459e-08	5.855468e-09	4.136613e-08
C20-21	6.110793e-04	...	7.746766e-03	4.894016e-03	7.739016e-03
C22	1.400486e-03	...	1.044197e-02	9.069278e-06	1.346317e-02
C23	1.420428e-05	...	1.293441e-05	4.671152e-06	1.195399e-05
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	3.485362e-06	...	2.035105e-05	9.089632e-06	1.814008e-05
C23	0.000000e+00	...	1.176771e-07	6.475598e-09	1.690622e-07
C23	2.173619e-08	...	5.352198e-06	2.222587e-06	5.798890e-06
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.142923e-05	...	5.770457e-07	3.076815e-05	6.620866e-07
C24	0.000000e+00	...	4.476117e-02	2.799948e-02	4.378833e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	1.210663e-04	2.786620e-05	1.324325e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	2.204774e-05	1.013775e-06	2.968155e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	3.513797e-03	6.348229e-04	3.915897e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	5.781161e-10	4.810679e-10	1.266331e-06
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	2.799763e-07	1.718995e-08	5.420996e-07
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	9.638433e-05	...	1.806069e-06	2.957587e-05	2.667086e-06
C25	1.366483e-05	...	6.130633e-03	5.004258e-04	6.413255e-03
C26	8.275541e-04	...	7.457019e-05	2.085575e-05	1.194662e-04

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	O84	1.309148e-06	...	0.000000e+00	0.000000e+00	0.000000e+00
	P85	0.000000e+00	...	4.529055e-11	2.411865e-11	5.534782e-11
	M_N	0.000000e+00	...	1.082834e-10	4.729199e-11	1.141703e-10
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0.000000e+00	...	4.042312e-10	1.367937e-10	4.601136e-10
	R_S	0.000000e+00	...	1.070116e-09	1.189581e-10	1.180449e-09
	R_S	0.000000e+00	...	3.336741e-09	5.259390e-10	3.055132e-09
	T	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
ZA	A01	2.297761e-12	...	3.837841e-12	2.352885e-12	3.629875e-12
	A01	1.239857e-11	...	2.070874e-11	1.269601e-11	1.958657e-11
	A01	2.884573e-11	...	9.599038e-03	7.732307e-03	9.537192e-03
	A01	1.413578e-03	...	2.598064e-01	1.840764e-01	2.636809e-01
	A01	3.591811e-12	...	3.288051e-04	1.889383e-04	3.392673e-04
	A01	8.858546e-12	...	1.479601e-11	9.071062e-12	1.399424e-11
	A01	2.760068e-13	...	4.610009e-13	2.826282e-13	4.360201e-13
	A01	1.526886e-02	...	1.405133e-02	4.400100e-03	1.523316e-02
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	2.252542e-03	0.000000e+00	2.657018e-03
	A01	1.086257e-04	...	0.000000e+00	2.168663e-10	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	2.514386e-07	...	3.362488e-06	1.241994e-07	4.211783e-06
	A03	0.000000e+00	...	0.000000e+00	0.000	

B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	5.268679e-06	...	8.994062e-05	2.314332e-09	1.085909e-04
B_gas	3.291896e-05	...	1.121571e-08	7.897824e-09	1.170247e-08
B_nongas	1.035786e-06	...	6.126343e-12	7.659912e-12	6.185652e-12
B_nongas	2.041773e-07	...	1.795462e-02	4.305044e-10	2.167785e-02
B_nongas	3.913500e-07	...	2.125604e-10	1.922112e-10	2.211964e-10
B_nongas	2.122131e-06	...	4.292327e-12	5.383017e-12	4.334084e-12
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	3.387030e-05	...	7.790746e-02	5.372901e-02	7.610784e-02
B_nongas	2.266654e-06	...	3.758405e-12	4.718139e-12	3.795029e-12
B_nongas	9.788035e-05	...	6.590206e-01	4.544947e-01	6.437977e-01
B_nongas	1.565008e-04	...	2.995157e-05	6.642727e-10	3.616259e-05
B_nongas	9.746955e-06	...	7.769796e-05	1.723128e-09	9.380972e-05
B_nongas	5.369518e-05	...	2.904430e+00	2.002914e+00	2.837382e+00
C10-12	8.319848e-04	...	1.048353e-03	7.433263e-04	1.058744e-03
C10-12	3.899396e-05	...	4.944734e-05	3.501577e-05	4.993895e-05
C10-12	5.695632e-04	...	1.024549e-03	5.096404e-04	1.427400e-03
C10-12	4.993035e-05	...	6.375691e-05	4.479458e-05	6.449073e-05
C10-12	1.927307e-04	...	3.681607e-03	2.561478e-03	3.759429e-03
C10-12	8.675734e-05	...	2.009039e-04	6.863627e-05	2.118379e-04
C10-12	4.345231e-10	...	8.173769e-09	3.263294e-09	5.415854e-06
C10-12	1.280340e-03	...	1.940649e-03	1.208036e-03	2.002642e-03
C10-12	3.514917e-02	...	4.823500e-02	3.376258e-02	4.877919e-02
C10-12	4.976319e-03	...	4.515660e-02	6.335683e-04	4.930127e-02
C10-12	1.104906e-03	...	2.277619e-06	2.655833e-07	3.946297e-06
C10-12	8.043512e-05	...	2.075000e-02	2.520901e-03	2.126853e-02
C13-15	6.558835e-05	...	9.529620e-03	8.050123e-03	9.234864e-03
C13-15	1.270646e-05	...	4.949064e-04	4.252368e-04	4.794957e-04
C13-15	2.853107e-04	...	1.324004e-04	5.851761e-05	2.101818e-04
C16	3.225313e-05	...	4.236246e-04	3.765369e-04	4.150863e-04
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.920478e-10	...	3.629330e-02	3.323226e-02	3.551568e-02
C17	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	5.457545e-05	...	1.177669e-04	3.464519e-05	1.322940e-04
C18	5.162565e-05	...	1.352831e-03	1.122111e-03	1.346742e-03
C19	6.074172e-06	...	5.317721e-03	3.726563e-03	4.185968e-03
C19	2.508483e-04	...	1.184828e-02	9.518107e-03	1.164687e-02
C24	4.042505e-06	...	3.324313e-03	3.027121e-05	3.251786e-03
C20-21	3.133604e-04	...	1.767552e-02	1.647935e-02	1.720449e-02
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.191391e-06	...	2.414989e-05	1.568655e-05	2.488403e-05
C20-21	8.307610e-04	...	3.193074e-04	2.068921e-04	3.274435e-04
C20-21	1.829893e-03	...	4.292432e-03	2.708218e-03	4.180986e-03
C22	8.615814e-04	...	2.014125e-03	8.128939e-04	2.306168e-03
C23	3.191317e-05	...	1.143395e-05	1.059491e-06	1.367847e-05
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	9.503773e-06	...	1.140374e-05	5.175044e-06	1.146905e-05
C23	2.903859e-08	...	5.637803e-08	2.113976e-08	6.443631e-08

C23	4.011025e-06	...	1.396817e-06	1.129945e-06	1.514010e-06
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	3.892453e-05	...	5.873308e-04	2.605089e-04	6.329330e-04
C24	2.996159e-05	...	2.165097e-02	1.222759e-02	2.157580e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.369464e-06	...	6.473457e-02	1.532799e-02	7.069244e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.163864e-06	...	7.826615e-05	4.990487e-05	7.812437e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.226909e-07	...	1.594355e-02	2.890552e-03	1.776521e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.642894e-07	...	4.288873e-05	2.919194e-05	2.242237e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.623447e-06	...	4.984938e-05	3.369681e-05	4.868497e-05
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.986050e-06	...	2.527067e-04	1.539205e-04	2.475380e-04
C25_33	1.931377e-04	...	2.014730e-03	9.151983e-04	2.045191e-03
C25	1.854700e-04	...	4.638176e-03	7.724889e-04	4.867778e-03
C26	3.008434e-05	...	4.282988e-05	1.961492e-05	5.340427e-05
C27	1.404994e-03	...	7.553111e-03	4.179639e-03	6.832882e-03
C27	7.105026e-05	...	1.887470e-03	2.535311e-05	2.180957e-03
C28_32	3.894381e-04	...	4.563398e-05	1.743656e-05	5.333884e-05
C29	3.449832e-04	...	2.231444e-02	1.570698e-02	2.268819e-02
C30	4.902090e-05	...	1.521750e-03	1.070148e-03	1.539096e-03
C31	2.388379e-03	...	3.539864e-03	2.294865e-03	3.434334e-03
E37-39	2.415986e-05	...	7.262899e-04	1.527602e-04	8.190739e-04
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	4.136627e-09	...	1.898916e-12	8.743213e-13	2.294265e-12
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.582562e-10	...	7.264742e-14	3.344918e-14	8.777240e-14
D35	1.216994e-11	...	5.586603e-15	2.572249e-15	6.749718e-15
D35	3.726773e-13	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.671461e-11	...	7.672834e-15	3.532816e-15	9.270296e-15
D35	2.491442e-10	...	1.173768e-13	5.470094e-14	1.417154e-13
D35	3.054780e-13	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.306502e-10	...	2.435947e-13	1.121587e-13	2.943104e-13
D35	1.356717e-09	...	6.228004e-13	2.867571e-13	7.524657e-13
D35	1.317073e-09	...	6.046018e-13	2.783778e-13	7.304781e-13
D35	5.620215e-10	...	1.745844e-13	6.216337e-14	2.136759e-13
E36	4.929403e-09	...	1.531252e-12	5.452252e-13	1.874118e-12
F	2.749430e-07	...	6.694957e-08	4.102630e-08	6.334179e-08
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	3.017849e-06	...	1.877961e-06	6.669437e-06	1.821133e-06
G47	3.808637e-06	...	1.370350e-05	1.194311e-05	1.387904e-05

	G46	3.327575e-04	...	9.293898e-04	8.782990e-04	9.342523e-04
	G47	7.650581e-05	...	7.815436e-04	7.453646e-04	7.760067e-04
	I	5.976170e-04	...	5.296303e-09	9.271895e-07	5.078185e-09
	H49	7.208312e-03	...	4.981629e-04	3.284668e-04	5.207610e-04
	H49	2.833070e-02	...	1.120731e-03	7.839078e-04	1.147428e-03
	H49	1.369087e-05	...	2.215866e-04	1.548565e-04	2.246652e-04
	H50	3.376864e-03	...	1.270315e-05	1.152812e-05	1.244104e-05
	H50	7.751378e-06	...	4.049112e-10	1.143267e-07	3.334882e-10
	H51	2.755771e-04	...	1.915909e-04	1.465964e-04	1.924496e-04
	H52	1.432016e-02	...	8.910396e-06	6.733722e-06	9.075261e-06
	H53	1.064183e-04	...	6.549133e-04	6.103525e-08	9.098259e-04
	K64	3.868052e-06	...	9.354817e-09	5.093396e-09	8.306188e-09
	K65	1.241506e-04	...	3.310515e-10	1.372044e-10	4.262656e-10
	K66	4.632839e-07	...	4.795071e-08	2.607879e-08	5.226281e-08
	L68	1.305987e-04	...	5.992673e-08	2.498842e-08	6.726005e-08
	M_N	3.021617e-05	...	9.395683e-09	3.927724e-09	1.041716e-08
	J62_63	4.038994e-08	...	1.194088e-06	4.578413e-07	1.337502e-06
	M_N	8.160310e-06	...	5.671158e-07	2.912729e-07	6.370077e-07
	M_N	8.345744e-03	...	3.147037e-07	1.721562e-07	3.599397e-07
	O84	1.509033e-06	...	0.000000e+00	0.000000e+00	0.000000e+00
	P85	9.287670e-09	...	3.194939e-09	1.767510e-09	3.007794e-09
	M_N	2.091412e-08	...	5.301582e-09	2.912999e-09	4.979817e-09
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	2.660696e-09	...	3.546144e-10	1.201241e-10	4.037042e-10
	R_S	9.536255e-08	...	1.443053e-09	1.616076e-10	1.592191e-09
	R_S	3.615235e-08	...	2.370860e-09	3.742058e-10	2.171261e-09
	T	1.133886e-03	...	4.642908e-03	3.213921e-03	4.561696e-03
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
WA	A01	1.259308e-01	...	1.853920e-01	1.092286e-01	1.861341e-01

A01	5.373031e-02	...	4.256424e-01	3.242993e-01	4.248740e-01
A01	7.510186e-02	...	1.099336e+00	8.611977e-01	1.092776e+00
A01	2.409867e-02	...	2.143997e+00	1.472516e+00	2.177868e+00
A01	5.060014e-03	...	3.672924e-01	2.177280e-01	3.740399e-01
A01	2.752616e-03	...	1.120940e-01	7.124138e-02	1.105021e-01
A01	6.967418e-03	...	1.446282e-02	9.139585e-03	1.472091e-02
A01	1.459294e+00	...	5.060319e-01	1.879469e-01	5.392113e-01
A01	7.504083e-03	...	1.462065e-02	8.942566e-03	1.499091e-02
A01	1.586639e-02	...	9.031866e-02	5.931342e-02	8.973166e-02
A01	1.179167e-02	...	2.913589e-02	1.975015e-02	2.945862e-02
A01	3.652198e-03	...	2.122106e-02	4.265273e-03	2.348581e-02
A01	2.673019e-01	...	1.033314e-02	3.512985e-03	1.067134e-02
A01	1.644857e-02	...	1.998173e-02	1.214703e-02	2.053831e-02
A01	3.750375e-04	...	2.667119e-04	1.211109e-04	3.123078e-04
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A02	2.330256e-03	...	5.563064e-02	3.504831e-02	5.486379e-02
A03	5.216596e-03	...	1.060134e-02	3.583922e-03	1.148939e-02
B_nongas	3.937930e-04	...	2.734550e-02	1.757157e-02	2.658478e-02
B_nongas	3.045996e-04	...	1.415158e-01	1.035807e-01	1.390411e-01
B_gas	9.384667e-04	...	3.365650e-01	2.487405e-01	3.309839e-01
B_gas	1.724106e-05	...	3.008257e-03	2.086142e-03	2.940033e-03
B_nongas	1.245359e-04	...	1.475275e-04	4.299703e-05	1.428193e-04
B_nongas	2.139605e-05	...	2.509842e-05	5.851995e-06	3.520317e-05
B_nongas	2.842721e-04	...	3.314980e-02	1.736779e-02	3.380627e-02
B_nongas	2.361179e-05	...	2.490014e-02	1.707608e-02	2.439250e-02
B_nongas	4.108378e-05	...	2.293335e-02	1.580299e-02	2.243795e-02
B_nongas	3.816490e-04	...	2.685786e-02	1.768211e-02	2.645170e-02
B_nongas	3.364962e-04	...	2.232833e-02	1.479212e-02	2.198679e-02
B_nongas	9.966073e-05	...	2.687081e-01	1.850813e-01	2.626574e-01
B_nongas	5.731640e-04	...	2.381685e-03	1.562388e-03	2.442483e-03
B_nongas	6.911690e-04	...	7.807456e-02	5.297694e-02	7.655875e-02
B_nongas	1.732599e-04	...	4.339720e-04	2.644721e-04	4.217997e-04
C10-12	9.268795e-04	...	4.707690e-03	2.695778e-03	4.782915e-03
C10-12	9.502545e-04	...	5.578930e-03	3.472557e-03	5.609378e-03
C10-12	2.471013e-04	...	5.010877e-03	1.295307e-03	7.994306e-03
C10-12	4.242701e-03	...	1.404876e-02	9.424599e-03	1.420120e-02
C10-12	2.017615e-03	...	1.335081e-02	2.636457e-03	2.049001e-02
C10-12	7.459669e-04	...	2.239212e-02	1.482163e-02	2.201043e-02
C10-12	9.127165e-04	...	3.660358e-03	2.106413e-03	9.388952e-03
C10-12	1.900140e-03	...	3.475875e-02	9.448423e-03	3.808795e-02
C10-12	1.647107e-01	...	5.032897e-01	3.490083e-01	5.089723e-01
C10-12	1.508305e-02	...	1.119096e-01	3.253962e-02	1.179340e-01
C10-12	3.740915e-01	...	2.722410e-02	1.922778e-02	2.671130e-02
C10-12	1.220633e-04	...	5.691127e-01	6.854706e-02	5.833227e-01
C13-15	2.664667e-02	...	1.093021e+00	9.244158e-01	1.058625e+00
C13-15	4.339216e-04	...	1.013449e-04	1.399106e-04	1.369929e-04
C13-15	1.793611e-02	...	6.685791e-03	4.309805e-03	9.603408e-03

C16	6.630506e-04	...	1.733184e-02	1.136421e-02	1.720245e-02
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.964361e-04	...	8.643359e-02	7.490870e-02	8.475536e-02
C17	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.106138e-03	...	2.877877e-02	2.108822e-02	2.836615e-02
C18	7.453059e-04	...	1.001350e-02	7.490551e-03	9.859954e-03
C19	1.157201e-04	...	9.529103e-03	6.483332e-03	9.325753e-03
C19	7.372232e-03	...	1.213543e+00	9.804322e-01	1.199919e+00
C24	7.237160e-05	...	4.768982e-02	2.146021e-02	4.662411e-02
C20-21	1.298851e-04	...	5.502701e-04	3.271498e-04	5.444623e-04
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.137907e-04	...	8.812512e-03	5.894320e-03	8.647863e-03
C20-21	6.342946e-04	...	3.284812e-04	1.583147e-05	3.410756e-04
C20-21	5.629210e-02	...	3.654020e-02	1.934936e-02	3.507755e-02
C22	5.865086e-02	...	1.233825e-01	1.442014e-02	1.528557e-01
C23	5.906995e-03	...	2.912951e-02	1.937163e-02	2.854960e-02
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	6.946400e-04	...	2.544615e-02	1.713358e-02	2.492391e-02
C23	1.868486e-04	...	4.671040e-02	3.214219e-02	4.574191e-02
C23	1.825320e-04	...	2.995463e-02	2.009951e-02	2.931791e-02
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.783304e-03	...	3.616042e-02	2.536697e-02	3.541631e-02
C24	8.938058e-04	...	7.055316e-01	4.453226e-01	6.905069e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.411739e-04	...	2.069592e-01	5.635448e-02	2.241336e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.209862e-04	...	2.207381e-02	1.434591e-02	2.183389e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.631042e-04	...	3.108073e-01	6.463753e-02	3.440873e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.435526e-04	...	2.395222e-02	1.594208e-02	3.998829e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.060818e-04	...	2.490576e-02	1.661460e-02	2.447008e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.090055e-04	...	2.491239e-02	1.674173e-02	2.443567e-02
C25_33	1.512518e-02	...	4.351690e-02	2.730190e-02	4.376877e-02
C25	3.663282e-03	...	2.354727e-01	4.474734e-02	2.438886e-01
C26	8.421569e-03	...	4.617382e-03	1.587561e-03	5.905638e-03
C27	2.722291e-01	...	3.913457e-01	2.291643e-01	3.512912e-01
C27	3.343587e-03	...	1.561139e-01	9.951526e-03	1.784416e-01
C28_32	7.494878e-03	...	1.264979e-02	8.166216e-03	1.255667e-02
C29	1.719716e-03	...	9.045331e-01	6.444803e-01	9.232002e-01
C30	8.237612e-04	...	4.972428e-01	3.507091e-01	5.033806e-01
C31	6.146459e-02	...	2.126492e-02	1.365483e-02	2.087749e-02
E37-39	2.875272e-04	...	2.754142e-02	1.812634e-02	2.733028e-02
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.661232e-04	...	2.393316e-02	1.634879e-02	2.341043e-02
D35	6.903682e-04	...	2.724796e-02	1.797349e-02	2.671806e-02

D35	1.150045e-04	...	2.920815e-03	2.160636e-03	2.882216e-03
D35	1.975364e-04	...	1.946578e-02	1.313963e-02	1.906063e-02
D35	4.430361e-05	...	1.114000e-03	8.219084e-04	1.098164e-03
D35	1.270039e-04	...	1.288223e-02	8.818839e-03	1.259651e-02
D35	3.719974e-05	...	1.918110e-03	1.493816e-03	1.880601e-03
D35	3.526193e-05	...	1.224155e-04	4.047150e-05	1.297281e-04
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.434313e-05	...	3.210398e-04	2.161167e-04	3.164649e-04
D35	9.804760e-05	...	8.628103e-04	5.040444e-04	8.770674e-04
D35	2.139932e-04	...	2.131476e-02	1.459003e-02	2.083935e-02
D35	4.832590e-04	...	2.177841e-02	1.478257e-02	2.129238e-02
D35	4.138507e-04	...	2.713486e-02	1.832791e-02	2.657328e-02
D35	2.033163e-04	...	1.723484e-02	1.164185e-02	1.688193e-02
E36	1.791217e-04	...	1.994646e-02	1.351463e-02	1.951394e-02
F	2.743667e-03	...	4.469063e-02	3.024601e-02	4.381239e-02
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	4.274335e-03	...	1.287941e-01	8.534073e-02	1.271428e-01
G47	9.138564e-04	...	2.362987e-02	1.537429e-02	2.330546e-02
G46	3.733117e-02	...	6.237480e-01	4.889288e-01	6.233705e-01
G47	1.143773e-02	...	3.039774e-01	2.358991e-01	3.009186e-01
I	8.754541e-03	...	8.581447e-02	5.351949e-02	8.747854e-02
H49	2.933050e-02	...	3.540716e-01	3.655444e-02	4.506421e-01
H49	2.019404e-02	...	1.372197e+00	3.779126e-01	1.478987e+00
H49	4.385663e-04	...	7.472299e-02	4.749882e-02	7.237300e-02
H50	3.223406e-02	...	1.096250e-01	9.903436e-02	1.074378e-01
H50	2.350390e-03	...	3.062479e-03	2.247343e-03	3.014294e-03
H51	6.999479e-03	...	6.124273e-01	5.144138e-01	6.079547e-01
H52	1.324873e-02	...	7.771042e-02	4.519856e-02	7.909508e-02
H53	1.418101e-03	...	7.711442e-02	1.506413e-04	1.069580e-01
K64	2.614499e-02	...	2.817421e-04	1.644097e-04	2.585099e-04
K65	1.387876e-03	...	2.721682e-05	1.930593e-05	2.855869e-05
K66	6.025642e-04	...	2.411401e-04	1.337710e-04	2.561636e-04
L68	7.475867e-04	...	8.674763e-03	5.967826e-03	8.517068e-03
M_N	3.046541e-03	...	6.910702e-03	2.782233e-03	6.952785e-03
J62_63	4.358060e-04	...	1.103229e-03	4.932439e-04	1.206076e-03
M_N	9.292521e-04	...	8.165536e-03	5.613516e-03	8.201127e-03
M_N	2.961645e-02	...	3.054375e-02	2.047002e-02	3.002962e-02
O84	2.372833e-03	...	2.991952e-02	1.932535e-02	2.946394e-02
P85	5.910507e-04	...	3.168318e-02	2.160215e-02	3.105676e-02
M_N	5.572979e-04	...	2.956726e-02	1.895939e-02	2.907943e-02
E37-39	5.059857e-07	...	1.214554e-05	4.763964e-06	2.263164e-05
E37-39	7.799462e-07	...	1.413691e-05	5.730699e-06	2.442539e-05
E37-39	3.183362e-06	...	1.412219e-05	6.215796e-06	1.844575e-05
E37-39	2.436990e-04	...	4.736684e-05	1.611173e-05	7.549213e-05
E37-39	3.179892e-07	...	6.501273e-06	2.926958e-06	1.136416e-05
E37-39	1.455475e-07	...	9.788569e-06	3.997899e-06	1.692146e-05
E37-39	1.787979e-07	...	4.922424e-05	1.377368e-05	8.698933e-05

	E37-39	1.855890e-07	...	1.964248e-07	0.000000e+00	3.166950e-07
	E37-39	3.055374e-07	...	0.000000e+00	0.000000e+00	3.261961e-07
	E37-39	5.230762e-08	...	3.465744e-05	1.975327e-05	4.946039e-05
	E37-39	6.612700e-06	...	8.404529e-05	3.867207e-05	1.110134e-04
	E37-39	0.000000e+00	...	6.351268e-05	4.613557e-05	7.315231e-05
	E37-39	3.305980e-07	...	5.491736e-05	3.186897e-05	4.951528e-05
	E37-39	2.640664e-07	...	6.719823e-05	3.639196e-05	6.420367e-05
	E37-39	3.019345e-04	...	2.613611e-02	1.797005e-02	2.557421e-02
	E37-39	4.425806e-04	...	2.621898e-02	1.804674e-02	2.567080e-02
	E37-39	4.808784e-04	...	4.062092e-02	2.816236e-02	3.793390e-02
	E37-39	5.392731e-04	...	6.834847e-03	4.507799e-03	6.816127e-03
	E37-39	3.628837e-04	...	7.607654e-03	5.523891e-03	7.464561e-03
	E37-39	6.256002e-04	...	8.594367e-03	6.082489e-03	8.455181e-03
	R_S	3.759288e-04	...	1.073423e-03	7.035361e-04	1.093616e-03
	R_S	1.409058e-03	...	8.853133e-03	5.865024e-03	8.718217e-03
	R_S	1.594726e-03	...	3.669065e-03	3.068570e-03	3.621984e-03
	T	3.514376e-03	...	4.298186e-02	2.935531e-02	4.263400e-02
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
WL	A01	6.965283e-04	...	3.475165e-04	6.736899e-05	4.697453e-04
	A01	4.553415e-03	...	4.151140e-03	2.353678e-03	4.414220e-03
	A01	4.084876e-02	...	2.579254e+00	2.073877e+00	2.563557e+00
	A01	1.677779e-02	...	3.840048e-01	2.713913e-01	3.899350e-01
	A01	2.413914e-03	...	1.742890e-01	1.005056e-01	1.799686e-01
	A01	9.406785e-04	...	1.155186e-03	6.830337e-04	1.386832e-03
	A01	8.730572e-04	...	4.451005e-04	1.247628e-04	5.879991e-04
	A01	6.631456e-01	...	2.623569e-01	8.314471e-02	2.844449e-01
	A01	1.223424e-02	...	3.181395e-02	2.289822e-02	3.243693e-02
	A01	2.409322e-03	...	2.785507e-03	1.752405e-03	3.019613e-03
	A01	3.445373e-03	...	5.727586e-03	3.928143e-03	6.026894e-03
	A01	6.451486e-04	...	2.375214e-03	4.112378e-04	2.829057e-03
	A01	3.287771e-02	...	6.048761e-04	2.903122e-04	7.475615e-04
	A01	6.441590e-03	...	7.227109e-03	4.682568e-03	7.597123e-03
	A01	2.861696e-04	...	1.039383e-04	2.893433e-05	1.504647e-04
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	6.392378e-04	...	7.967152e-04	4.900217e-04	9.268964e-04
	A03	5.761203e-04	...	1.382281e-03	8.441449e-04	1.550097e-03
	B_nongas	1.594351e-04	...	1.923273e+00	1.535862e+00	2.038751e+00
	B_nongas	1.862638e-03	...	6.558485e-03	4.025934e-03	6.645617e-03
	B_gas	3.398161e-03	...	7.302225e-03	4.573770e-03	7.373995e-03
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	2.237142e-04	...	1.095528e-02	2.920928e-04	1.315812e-02
	B_nongas	9.969721e-05	...	1.307720e-02	3.927577e-03	1.410140e-02
	B_nongas	1.976506e-05	...	1.343239e-04	1.810468e-05	2.011274e-04
	B_nongas	4.871359e-05	...	1.591278e-04	8.623540e-05	1.844329e-04
	B_nongas	2.652045e-04	...	2.595784e-03	9.990968e-04	2.854153e-03
	B_nongas	4.086497e-05	...	1.296008e-03	3.439851e-04	1.466360e-03

B_nongas	2.620162e-05	...	9.671618e-05	1.768251e-05	1.345138e-04
B_nongas	2.045629e-04	...	1.668224e-03	5.370457e-04	1.869779e-03
B_nongas	1.714936e-04	...	2.132053e-03	9.128484e-04	2.345803e-03
B_nongas	1.948694e-04	...	2.009092e-02	1.382972e-02	1.968213e-02
C10-12	1.083768e-03	...	1.275648e-03	8.339284e-04	1.384395e-03
C10-12	1.240320e-03	...	1.389573e-03	9.285156e-04	1.476885e-03
C10-12	5.359249e-04	...	4.707048e-03	4.603513e-04	9.863788e-03
C10-12	2.376122e-03	...	2.532707e-03	1.739957e-03	2.644453e-03
C10-12	8.351855e-03	...	8.653786e-02	6.421023e-04	1.501503e-01
C10-12	9.372734e-04	...	1.727078e-03	9.848559e-04	1.887847e-03
C10-12	2.286019e-04	...	3.411974e-04	1.695509e-04	3.245174e-03
C10-12	2.025986e-02	...	1.018795e-02	1.058704e-03	1.169564e-02
C10-12	8.035081e-02	...	8.355304e-02	5.487907e-02	8.770775e-02
C10-12	1.298202e-02	...	1.228712e-02	4.040403e-03	1.302975e-02
C10-12	2.582373e-02	...	2.983035e-04	6.290006e-05	3.747659e-04
C10-12	3.756441e-04	...	1.489620e-02	1.853800e-03	1.533567e-02
C13-15	1.161377e-03	...	2.780292e-02	2.258670e-02	2.720771e-02
C13-15	2.483450e-04	...	2.109113e-03	7.637720e-04	2.344099e-03
C13-15	4.369511e-03	...	1.103075e-03	3.461810e-04	1.614390e-03
C16	5.430197e-04	...	2.711130e-03	1.242728e-03	3.027776e-03
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.290356e-04	...	6.204728e-02	5.537384e-02	6.107037e-02
C17	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	3.073334e-04	...	4.815391e-03	3.202425e-03	4.993333e-03
C18	4.869444e-04	...	2.956832e-03	1.729728e-03	3.115838e-03
C19	1.632931e-04	...	1.601821e-03	8.677074e-04	1.544069e-03
C19	2.435720e-03	...	1.184034e-01	8.968343e-02	1.167884e-01
C24	5.550838e-05	...	3.454136e-04	2.410796e-05	3.527621e-04
C20-21	2.924957e-04	...	5.147644e-03	4.260984e-03	5.164222e-03
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	7.004707e-05	...	4.887943e-04	2.241039e-04	5.422474e-04
C20-21	7.750980e-02	...	1.109763e-03	3.014129e-04	1.262641e-03
C20-21	2.539127e-02	...	1.097266e-03	5.810635e-04	1.073285e-03
C22	1.675527e-03	...	4.787226e-03	1.566479e-03	5.438891e-03
C23	1.676225e-04	...	1.637112e-03	4.720911e-04	1.828541e-03
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	6.925281e-05	...	1.547717e-03	4.517557e-04	1.693466e-03
C23	8.413256e-05	...	1.262774e-03	3.755895e-04	1.402682e-03
C23	1.861748e-04	...	1.903332e-03	6.172184e-04	2.118223e-03
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.629789e-04	...	1.639919e-03	4.859862e-04	1.821368e-03
C24	2.097182e-04	...	1.267041e-01	7.853596e-02	1.242498e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.693604e-05	...	4.047477e-01	9.324514e-02	4.427982e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.527179e-04	...	1.757560e-03	5.331446e-04	1.963341e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.463425e-05	...	5.838875e-03	1.169101e-03	6.515490e-03

C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.427840e-05	...	2.909628e-06	1.777212e-06	3.027923e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.068495e-05	...	2.252058e-04	1.138110e-04	2.858087e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.067851e-05	...	9.122581e-04	3.852209e-04	9.817210e-04
C25_33	5.760572e-04	...	1.399277e-02	5.060155e-03	1.488332e-02
C25	6.159159e-04	...	9.480911e-03	1.938438e-03	1.000329e-02
C26	5.155103e-04	...	2.329400e-03	8.061169e-04	2.583766e-03
C27	8.124435e-03	...	2.205032e-02	1.197091e-02	2.023961e-02
C27	5.217414e-04	...	3.142746e-03	1.022162e-03	3.443298e-03
C28_32	7.012575e-03	...	2.709835e-03	1.031881e-03	2.974418e-03
C29	5.300391e-04	...	6.356811e-03	3.289291e-03	6.713171e-03
C30	5.694065e-04	...	7.598023e-02	5.286077e-02	7.730542e-02
C31	9.483333e-03	...	2.784738e-03	1.056056e-03	3.044733e-03
E37-39	2.133128e-04	...	2.594398e-03	8.330429e-04	2.885241e-03
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	9.556553e-05	...	1.691199e-04	1.319286e-04	1.699565e-04
D35	1.795655e-04	...	5.756396e-04	2.933353e-04	6.521497e-04
D35	6.159970e-05	...	9.764128e-05	8.190427e-05	9.898105e-05
D35	1.599467e-04	...	6.265131e-04	2.176197e-04	7.236343e-04
D35	4.997693e-06	...	2.188473e-05	1.814217e-05	2.177882e-05
D35	1.240969e-04	...	2.649102e-04	1.736545e-04	2.823697e-04
D35	2.871500e-05	...	9.213051e-05	8.208506e-05	9.052354e-05
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.580418e-06	...	2.642793e-06	1.897747e-06	2.492156e-06
D35	2.404907e-05	...	1.610124e-05	1.214090e-05	1.601255e-05
D35	1.229630e-04	...	3.611874e-04	1.944066e-04	3.841190e-04
D35	1.323880e-04	...	6.108289e-04	2.470954e-04	6.634387e-04
D35	9.533958e-05	...	2.504557e-04	1.563003e-04	2.758205e-04
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E36	2.364344e-05	...	1.275069e-04	3.752389e-05	1.373256e-04
F	1.212606e-03	...	3.162070e-03	1.168079e-03	3.407943e-03
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	6.970242e-04	...	2.866109e-03	9.111084e-04	3.210407e-03
G47	4.657852e-04	...	2.771706e-03	8.042753e-04	3.120268e-03
G46	8.291288e-03	...	1.890196e-02	1.227744e-02	1.980441e-02
G47	2.478082e-03	...	1.352734e-02	1.011780e-02	1.393074e-02
I	1.676453e-03	...	8.693218e-04	2.149713e-04	1.065313e-03
H49	1.995845e-03	...	7.502184e-04	3.048585e-04	8.129694e-04
H49	1.036037e-02	...	1.840725e-03	6.204033e-04	1.985621e-03
H49	1.108304e-04	...	5.231716e-04	3.021128e-04	5.381993e-04
H50	1.266347e-03	...	5.047292e-05	4.073120e-05	4.653432e-05
H50	2.591421e-05	...	1.432476e-06	1.473054e-06	1.185485e-06
H51	1.008500e-03	...	2.683094e-03	8.091967e-04	2.904771e-03
H52	5.701439e-03	...	2.100902e-04	2.388603e-05	3.234793e-04

	H53	1.013413e-03	...	1.452310e-03	2.566540e-05	2.000824e-03
	K64	2.974159e-02	...	1.716141e-06	6.465422e-07	1.812042e-06
	K65	4.737910e-04	...	3.153536e-09	1.348441e-09	3.594301e-09
	K66	1.099734e-03	...	5.094662e-05	7.273685e-07	8.802288e-05
	L68	5.513658e-04	...	1.902175e-04	5.039623e-05	2.756888e-04
	M_N	3.935225e-03	...	4.597250e-05	9.413103e-06	5.541868e-05
	J62_63	5.919296e-05	...	5.157257e-04	2.575139e-04	5.433063e-04
	M_N	1.404299e-04	...	2.345096e-03	5.951143e-04	2.575184e-03
	M_N	8.222364e-03	...	2.233445e-03	6.500766e-04	2.521258e-03
	O84	1.000618e-03	...	2.719440e-03	9.804422e-04	2.994001e-03
	P85	7.706669e-05	...	2.296865e-04	7.655836e-05	3.208152e-04
	M_N	3.936021e-04	...	5.648464e-04	3.302411e-04	6.896735e-04
	E37-39	3.912102e-08	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	4.712666e-08	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.280514e-07	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	3.252165e-04	...	3.844498e-07	1.307698e-07	6.127268e-07
	E37-39	2.687960e-07	...	7.906981e-08	3.559827e-08	1.382132e-07
	E37-39	2.322218e-08	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	2.266696e-07	...	5.334750e-07	1.492743e-07	9.427597e-07
	E37-39	1.403432e-07	...	3.856853e-09	0.000000e+00	6.218390e-09
	E37-39	8.875249e-08	...	0.000000e+00	0.000000e+00	8.182339e-09
	E37-39	2.649311e-08	...	2.798763e-07	1.595177e-07	3.994176e-07
	E37-39	9.322438e-06	...	6.008645e-07	2.764780e-07	7.936676e-07
	E37-39	0.000000e+00	...	1.068236e-06	7.759662e-07	1.230368e-06
	E37-39	4.775893e-07	...	1.660064e-07	9.633479e-08	1.496768e-07
	E37-39	3.932932e-07	...	2.436345e-07	1.319430e-07	2.327774e-07
	E37-39	1.578994e-04	...	4.824411e-04	2.394144e-04	5.444223e-04
	E37-39	1.365864e-04	...	3.968654e-04	2.236376e-04	4.386264e-04
	E37-39	7.785069e-05	...	5.407967e-04	3.699788e-04	5.426673e-04
	E37-39	1.160497e-04	...	1.549770e-03	4.746796e-04	1.702841e-03
	E37-39	8.800612e-05	...	3.223261e-04	2.556979e-04	3.256412e-04
	E37-39	1.030890e-04	...	3.655128e-04	2.593514e-04	3.760314e-04
	R_S	3.289701e-04	...	9.007313e-04	4.361547e-04	9.672228e-04
	R_S	7.625016e-04	...	2.573866e-04	6.407118e-05	3.615216e-04
	R_S	3.264422e-04	...	4.398219e-05	3.911455e-06	7.148248e-05
	T	3.047863e-04	...	1.074661e-04	6.149620e-05	1.153279e-04
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
WE	A01	1.770407e-04	...	1.141430e-04	1.403575e-05	1.438512e-04
	A01	1.046742e-02	...	1.110683e+00	8.814784e-01	1.104123e+00
	A01	6.122484e-02	...	1.375430e+00	1.107788e+00	1.366623e+00
	A01	7.734814e-03	...	6.216206e-02	4.247365e-02	6.328219e-02
	A01	1.693667e-03	...	3.837216e-01	2.204310e-01	3.959545e-01
	A01	7.411890e-04	...	1.827309e-04	5.915657e-05	2.101004e-04
	A01	1.951189e-04	...	1.645856e-04	1.952362e-05	1.987973e-04
	A01	6.900832e-02	...	9.100670e-03	3.249560e-03	9.774509e-03
	A01	3.995714e-03	...	1.343626e-02	1.003175e-02	1.367233e-02
	A01	1.820877e-03	...	3.304303e-03	2.172443e-03	3.478254e-03
	A01	1.119760e-02	...	4.486587e-03	3.097021e-03	4.662230e-03

A01	2.144033e-03	...	4.500022e-03	3.056940e-04	5.228105e-03
A01	5.002283e-03	...	3.895758e-04	9.638478e-05	4.310980e-04
A01	9.288441e-03	...	7.605539e-03	4.850074e-03	7.966404e-03
A01	3.331392e-04	...	2.820326e-04	1.935527e-04	3.067500e-04
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
A02	1.824712e-04	...	1.787663e-05	1.683468e-06	2.815478e-05
A03	3.035397e-05	...	3.309825e-05	2.717735e-06	4.430923e-05
B_nongas	5.812420e-03	...	6.149213e-04	3.365895e-04	6.156169e-04
B_nongas	9.608180e-05	...	2.881886e-04	2.061278e-04	2.835088e-04
B_gas	4.227587e-04	...	1.359396e-03	1.021264e-03	1.350499e-03
B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.976967e-04	...	2.463280e-04	1.124662e-04	2.543457e-04
B_nongas	1.608321e-04	...	3.559250e-05	1.183043e-05	3.806852e-05
B_nongas	2.420702e-04	...	1.929155e-03	1.156162e-03	1.913768e-03
B_nongas	1.383333e-05	...	5.481614e-05	3.063336e-05	6.053123e-05
B_nongas	4.184169e-05	...	1.029927e-04	5.805066e-05	1.118017e-04
B_nongas	2.625018e-04	...	3.538178e-04	2.052371e-04	3.622361e-04
B_nongas	1.994984e-04	...	1.551505e-04	3.312972e-05	1.816267e-04
B_nongas	1.321315e-04	...	1.841171e-04	1.083583e-04	1.973336e-04
B_nongas	3.895146e-05	...	9.853826e-09	0.000000e+00	1.351436e-08
B_nongas	3.507513e-04	...	4.566325e-04	2.726907e-04	4.624420e-04
B_nongas	1.488935e-02	...	4.996901e-03	3.413950e-03	4.894888e-03
C10-12	3.743002e-03	...	7.516447e-04	4.123251e-04	8.023101e-04
C10-12	3.357862e-04	...	3.202409e-04	1.300876e-04	3.506981e-04
C10-12	8.437837e-04	...	1.345862e-02	2.096966e-04	3.027985e-02
C10-12	2.419774e-02	...	3.393531e-03	2.293218e-03	3.480875e-03
C10-12	1.152840e-02	...	1.296912e-02	7.071465e-04	2.184552e-02
C10-12	8.175854e-03	...	1.853048e-03	1.131951e-03	1.890451e-03
C10-12	5.577259e-04	...	3.248241e-04	1.107194e-04	3.594555e-04
C10-12	3.765823e-03	...	3.775109e-03	5.932967e-04	4.266697e-03
C10-12	5.452690e-01	...	7.398406e-02	4.894835e-02	7.899776e-02
C10-12	5.351764e-02	...	1.545428e-02	4.527634e-03	1.634939e-02
C10-12	1.033527e-02	...	2.500564e-04	1.442345e-04	2.583918e-04
C10-12	1.137123e-04	...	1.012002e-01	1.207238e-02	1.037384e-01
C13-15	6.211403e-03	...	2.185454e-02	1.846627e-02	2.117249e-02
C13-15	6.025273e-04	...	5.419359e-05	9.934566e-05	5.311325e-05
C13-15	6.368382e-03	...	1.254492e-04	7.952528e-05	1.925485e-04
C16	1.452205e-02	...	2.754671e-04	1.420858e-04	3.290825e-04
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	5.330268e-04	...	8.479809e-04	3.780275e-04	8.804298e-04
C17	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	4.515077e-03	...	9.793918e-05	1.235647e-04	9.716236e-05
C18	1.576472e-03	...	1.966696e-04	1.467947e-04	1.980438e-04
C19	2.313376e-04	...	1.187271e-03	8.266158e-04	1.044333e-03
C19	1.008477e-02	...	7.944674e-02	6.311976e-02	7.837848e-02
C24	3.095948e-04	...	2.099784e-04	1.262115e-04	2.069077e-04
C20-21	1.810010e-03	...	1.046492e-02	9.524549e-03	1.025330e-02

C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	2.699532e-04	...	2.750606e-04	9.113957e-05	2.940916e-04
C20-21	1.688391e-02	...	2.107266e-04	1.252509e-04	2.138409e-04
C20-21	8.782604e-03	...	2.936470e-03	1.651773e-03	3.065204e-03
C22	3.520345e-02	...	5.098087e-03	5.715636e-04	6.270146e-03
C23	1.940940e-02	...	2.097301e-04	1.244684e-04	2.127598e-04
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.702808e-04	...	2.211300e-04	1.301573e-04	2.246124e-04
C23	2.028085e-04	...	2.226085e-04	1.247068e-04	2.302823e-04
C23	5.796257e-04	...	3.317662e-04	1.981547e-04	3.376787e-04
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	7.966123e-04	...	2.153885e-04	2.142395e-04	2.187628e-04
C24	1.459699e-04	...	4.641950e-01	2.903721e-01	4.541068e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.469027e-04	...	4.357797e-04	2.530905e-04	4.392545e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.484461e-04	...	6.455575e-04	3.964279e-04	6.397162e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.056823e-04	...	2.714676e-02	5.028971e-03	3.021994e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.701630e-04	...	9.790006e-04	5.889039e-04	1.916125e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.386579e-04	...	4.206942e-04	2.549593e-04	4.218013e-04
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.761799e-04	...	5.212665e-04	3.163949e-04	5.178272e-04
C25_33	2.994723e-02	...	2.332446e-02	1.430224e-02	2.291931e-02
C25	1.428982e-02	...	1.383139e-02	2.109688e-03	1.436118e-02
C26	2.336980e-03	...	2.449957e-04	1.401018e-04	2.523897e-04
C27	5.649908e-01	...	1.377108e-02	8.010295e-03	1.231216e-02
C27	3.553865e-03	...	1.562836e-03	2.046069e-04	1.758364e-03
C28_32	6.378011e-03	...	5.556981e-04	2.915658e-04	5.808120e-04
C29	8.615451e-03	...	1.133889e-02	7.779681e-03	1.158204e-02
C30	1.190284e-03	...	2.026716e-02	1.425897e-02	2.054489e-02
C31	1.854689e-01	...	6.505739e-04	3.733471e-04	6.473690e-04
E37-39	1.387395e-04	...	1.470618e-03	9.122023e-04	1.451104e-03
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	6.894858e-04	...	3.297442e-04	1.853862e-04	3.399610e-04
D35	8.675399e-04	...	6.789664e-04	3.134028e-04	7.010979e-04
D35	3.001588e-04	...	5.586093e-05	3.014425e-05	5.983857e-05
D35	2.585276e-04	...	2.388561e-04	1.411387e-04	2.449851e-04
D35	3.805882e-04	...	1.002555e-04	5.661323e-05	1.049250e-04
D35	2.497181e-04	...	4.739871e-05	2.162450e-05	4.861382e-05
D35	4.048175e-04	...	9.456721e-05	5.717993e-05	9.791415e-05
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.539842e-04	...	8.007092e-06	5.058382e-06	7.791200e-06
D35	3.055038e-04	...	5.113922e-05	2.265518e-05	5.274209e-05

D35	5.602836e-04	...	3.729616e-04	2.229126e-04	3.727277e-04
D35	9.547389e-04	...	3.677934e-04	2.135147e-04	3.731305e-04
D35	9.719757e-04	...	3.484106e-04	1.504264e-04	3.731065e-04
D35	8.296245e-04	...	6.547148e-04	3.190551e-04	6.777698e-04
E36	3.028300e-04	...	4.081176e-04	2.422855e-04	4.020447e-04
F	1.108876e-02	...	8.993387e-04	4.709920e-04	9.176645e-04
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.016517e-03	...	5.176106e-04	4.273819e-04	5.266261e-04
G47	3.519970e-04	...	4.812467e-04	3.423569e-04	4.898731e-04
G46	1.297479e-02	...	1.719647e-02	1.512887e-02	1.746204e-02
G47	8.123426e-03	...	1.590003e-02	1.471184e-02	1.586627e-02
I	2.771705e-03	...	2.443452e-04	3.776642e-03	2.727100e-04
H49	2.014408e-02	...	2.227693e-02	2.495764e-04	2.938729e-02
H49	4.768044e-02	...	4.577343e-02	1.183126e-02	4.951651e-02
H49	3.926206e-04	...	1.575663e-03	9.244918e-04	1.514799e-03
H50	8.812335e-04	...	1.280994e-02	1.158588e-02	1.255500e-02
H50	1.091232e-03	...	1.615299e-05	1.784530e-05	1.724381e-05
H51	1.541677e-03	...	3.434359e-01	2.899020e-01	3.406675e-01
H52	1.650014e-02	...	7.524858e-03	5.019302e-03	7.809921e-03
H53	4.739219e-03	...	7.827319e-03	4.087313e-05	1.084951e-02
K64	1.298318e-01	...	1.093334e-05	6.596931e-06	9.711236e-06
K65	1.273683e-03	...	4.141630e-08	5.171371e-08	5.851761e-08
K66	2.552625e-03	...	1.782842e-06	9.720643e-07	1.902273e-06
L68	8.564176e-04	...	1.831990e-05	1.146098e-05	1.808524e-05
M_N	5.828164e-03	...	1.221947e-04	7.572096e-05	1.200514e-04
J62_63	1.936881e-04	...	5.454292e-05	3.238729e-05	5.643634e-05
M_N	1.646361e-04	...	2.696130e-04	1.628005e-04	2.707584e-04
M_N	3.328876e-02	...	1.615723e-04	1.084138e-04	1.589690e-04
O84	3.363707e-04	...	2.351880e-04	1.240945e-04	2.374279e-04
P85	1.563424e-04	...	2.936329e-05	1.660462e-05	3.523285e-05
M_N	1.062152e-04	...	6.411590e-06	6.160442e-06	7.084864e-06
E37-39	5.136482e-07	...	4.381164e-07	1.718466e-07	8.163731e-07
E37-39	6.800283e-07	...	4.347476e-07	1.762342e-07	7.511455e-07
E37-39	4.217547e-06	...	6.318318e-07	2.780969e-07	8.252695e-07
E37-39	1.200246e-04	...	9.647813e-07	3.281683e-07	1.537645e-06
E37-39	2.072541e-07	...	2.649525e-07	1.192851e-07	4.631344e-07
E37-39	1.431416e-07	...	4.501401e-07	1.838486e-07	7.781554e-07
E37-39	1.461107e-07	...	1.646095e-06	4.606022e-07	2.908988e-06
E37-39	1.079674e-07	...	1.097912e-08	0.000000e+00	1.770160e-08
E37-39	7.060735e-08	...	0.000000e+00	0.000000e+00	1.435753e-08
E37-39	1.583992e-08	...	1.179159e-06	6.720709e-07	1.682804e-06
E37-39	4.504811e-06	...	1.988117e-06	9.147993e-07	2.626056e-06
E37-39	0.000000e+00	...	2.372163e-06	1.723138e-06	2.732198e-06
E37-39	2.306195e-07	...	1.756932e-06	1.019561e-06	1.584107e-06
E37-39	1.909686e-07	...	2.533189e-06	1.371877e-06	2.420302e-06
E37-39	1.731000e-04	...	2.450556e-04	1.358886e-04	2.516566e-04
E37-39	1.804529e-04	...	2.633102e-04	1.445599e-04	2.686447e-04
E37-39	1.369894e-04	...	2.458266e-03	1.689505e-03	2.290866e-03

	E37-39	2.052512e-04	...	2.593906e-04	1.417757e-04	2.689702e-04
	E37-39	1.625293e-04	...	6.632365e-05	3.634777e-05	6.823479e-05
	E37-39	1.549156e-04	...	6.291296e-05	2.768676e-05	6.648342e-05
	R_S	9.427282e-05	...	8.287227e-05	5.054814e-05	8.345118e-05
	R_S	1.389182e-03	...	3.794516e-05	2.600658e-05	4.075314e-05
	R_S	2.653369e-04	...	4.126421e-06	2.828303e-06	3.995940e-06
	T	1.322486e-04	...	1.500223e-05	1.113907e-05	1.513540e-05
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
WF	A01	1.692241e-01	...	3.649738e-02	1.553716e-02	3.816901e-02
	A01	2.209272e-01	...	5.310153e-02	2.219817e-02	5.599797e-02
	A01	2.197917e-01	...	6.497896e-02	3.137866e-02	6.820464e-02
	A01	3.902882e-02	...	4.567396e-01	3.167847e-01	4.638041e-01
	A01	1.663608e-02	...	8.847746e-01	5.051853e-01	9.130736e-01
	A01	3.651832e-03	...	2.084348e-02	9.047259e-03	2.163196e-02
	A01	1.500647e-02	...	4.544704e-03	2.520254e-03	4.700777e-03
	A01	5.434788e+00	...	6.335178e-01	2.068987e-01	6.863410e-01
	A01	5.089346e-02	...	3.290643e-01	1.121224e-01	3.554472e-01
	A01	2.632052e-02	...	4.570097e-01	2.218227e-01	4.738563e-01
	A01	1.754697e-02	...	2.195187e-01	1.045476e-01	2.287585e-01
	A01	2.067524e-03	...	7.147234e-01	3.030599e-03	8.420882e-01
	A01	3.116182e-03	...	3.920477e-03	8.069608e-04	4.230357e-03
	A01	1.768491e-02	...	2.427472e-01	1.842283e-02	2.813620e-01
	A01	1.147288e-04	...	1.326918e-04	4.636816e-05	1.499941e-04
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	5.549700e-03	...	1.580599e-03	7.963264e-04	1.630978e-03
	A03	4.433814e-03	...	8.414628e-03	1.688932e-03	9.543180e-03
	B_nongas	8.943430e-05	...	6.185099e-02	4.166158e-02	5.975026e-02
	B_nongas	1.038858e-03	...	3.675762e-01	2.534630e-01	3.595122e-01
	B_gas	1.082402e-03	...	2.659249e-01	1.834089e-01	2.601396e-01
	B_gas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	9.207871e-05	...	1.487244e-03	1.030673e-03	1.558463e-03
	B_nongas	1.178115e-04	...	3.827285e-03	2.195988e-03	4.128659e-03
	B_nongas	2.278518e-04	...	4.450433e-02	1.275740e-02	4.860552e-02
	B_nongas	2.063225e-05	...	3.068829e-04	8.617794e-05	3.468818e-04
	B_nongas	5.358545e-05	...	1.781932e-04	9.956143e-05	1.761473e-04
	B_nongas	4.494913e-04	...	2.229321e-02	1.351023e-02	2.269709e-02
	B_nongas	1.254608e-04	...	2.824281e-03	9.971295e-04	3.092552e-03
	B_nongas	2.107390e-04	...	1.661952e-01	1.142549e-01	1.625118e-01
	B_nongas	4.040272e-04	...	5.803760e-03	3.205617e-03	6.271238e-03
	B_nongas	3.072283e-04	...	2.740871e-02	1.770974e-02	2.746512e-02
	B_nongas	5.898059e-03	...	7.340280e+00	5.062036e+00	7.170741e+00
	C10-12	4.247608e-04	...	1.575918e-03	8.214925e-04	1.639238e-03
	C10-12	4.165247e-04	...	1.525184e-03	9.573648e-04	1.552256e-03
	C10-12	2.074857e-04	...	9.285515e-04	1.519160e-04	1.345343e-03
	C10-12	8.583262e-04	...	3.525102e-03	2.392892e-03	3.567998e-03
	C10-12	2.020598e-03	...	5.656113e-03	7.879570e-04	8.913469e-03
	C10-12	5.337737e-04	...	1.483060e-03	5.925325e-04	1.592240e-03

C10-12	2.288999e-04	...	8.742520e-04	2.896360e-04	9.474472e-04
C10-12	1.111748e-02	...	7.257996e-02	4.082348e-03	8.364046e-02
C10-12	2.718802e-02	...	1.208036e-01	8.033311e-02	1.233361e-01
C10-12	3.481372e-03	...	1.327490e-02	7.634053e-03	1.361489e-02
C10-12	4.058209e-03	...	3.558681e-04	9.483062e-05	4.178929e-04
C10-12	3.362535e-05	...	8.668956e-02	1.027157e-02	8.886435e-02
C13-15	4.175837e-03	...	1.011428e-01	8.483571e-02	9.813084e-02
C13-15	3.024371e-04	...	8.949858e-04	6.572417e-04	9.345714e-04
C13-15	8.218428e-03	...	8.928871e-04	2.101438e-04	1.901517e-03
C16	1.002470e-03	...	1.569593e-03	6.842870e-04	1.751365e-03
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.402557e-04	...	1.665882e-02	1.412625e-02	1.653378e-02
C17	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.987845e-04	...	1.549752e-03	6.343160e-04	1.690250e-03
C18	2.218992e-04	...	8.090074e-04	3.012135e-04	8.884150e-04
C19	1.131847e-04	...	9.964006e-04	5.434667e-04	1.080076e-03
C19	3.623620e-04	...	1.402740e-01	1.002063e-01	1.397721e-01
C24	1.024859e-05	...	1.260641e-04	1.870849e-05	1.226780e-04
C20-21	1.525771e-04	...	3.145870e-02	2.878688e-02	3.085219e-02
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.032823e-04	...	5.178847e-04	1.178991e-04	5.726469e-04
C20-21	9.962275e-03	...	8.625020e-04	2.075594e-04	9.598845e-04
C20-21	9.267983e-04	...	3.298031e-03	1.746680e-03	3.166091e-03
C22	3.311176e-03	...	1.364871e-02	6.977412e-03	1.419976e-02
C23	1.554081e-03	...	1.554465e-03	6.649651e-04	1.693873e-03
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.244742e-04	...	1.280536e-03	4.271749e-04	1.403282e-03
C23	9.478542e-05	...	7.657716e-04	2.346269e-04	8.568014e-04
C23	1.318852e-04	...	1.773254e-03	7.992578e-04	1.927748e-03
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	4.278793e-04	...	1.750576e-03	9.213189e-04	1.903904e-03
C24	1.796865e-04	...	5.373637e-02	3.320370e-02	5.287516e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.488893e-04	...	2.932786e-01	6.826989e-02	3.207773e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.240686e-05	...	1.461126e-03	6.000412e-04	1.595473e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.781732e-05	...	1.371572e-01	2.492822e-02	1.528521e-01
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.345738e-04	...	1.920886e-03	7.257965e-04	2.282877e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.039327e-04	...	1.511150e-03	1.014901e-03	1.638822e-03
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.120064e-05	...	1.328073e-03	5.249253e-04	1.453356e-03
C25_33	3.847497e-03	...	6.541714e-03	2.526257e-03	7.161443e-03
C25	6.545899e-03	...	8.026603e-03	1.646317e-03	8.406468e-03
C26	6.080528e-04	...	1.107041e-03	2.974214e-04	1.227146e-03
C27	3.954624e-01	...	4.450904e-02	2.539584e-02	4.012307e-02

C27	4.427767e-03	...	7.868709e-03	7.784412e-04	8.913182e-03
C28_32	3.540885e-03	...	2.003512e-03	8.867147e-04	2.140341e-03
C29	3.181672e-03	...	5.194537e-02	3.645530e-02	5.320479e-02
C30	4.036675e-04	...	5.178799e-02	3.600440e-02	5.267033e-02
C31	9.687067e-03	...	3.277719e-03	1.554567e-03	3.260122e-03
E37-39	5.159451e-05	...	2.238324e-03	9.111385e-04	2.504913e-03
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.006664e-04	...	7.517518e-04	5.440020e-04	7.778321e-04
D35	2.498879e-04	...	9.995250e-04	5.795625e-04	1.064783e-03
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	9.802083e-05	...	2.234087e-04	5.518920e-05	2.413556e-04
D35	1.019469e-04	...	1.232475e-04	8.201748e-05	1.204684e-04
D35	9.169769e-05	...	4.241976e-04	2.813735e-04	4.356091e-04
D35	1.006518e-04	...	2.682389e-04	1.842236e-04	2.622032e-04
D35	3.255410e-05	...	3.571413e-06	2.086539e-06	3.208565e-06
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	8.386624e-05	...	4.493956e-05	2.977109e-05	4.337832e-05
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.277266e-04	...	7.061095e-04	4.748518e-04	7.393199e-04
D35	2.632153e-04	...	3.645809e-04	9.482447e-05	3.952161e-04
D35	1.217881e-04	...	6.985052e-04	4.910844e-04	7.173933e-04
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
E36	5.226206e-05	...	1.911363e-04	4.924974e-05	2.123964e-04
F	3.962532e-03	...	6.930834e-03	3.691525e-03	7.433940e-03
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.919483e-03	...	3.950791e-03	1.919801e-03	4.258572e-03
G47	1.367519e-04	...	1.672612e-03	5.688646e-04	1.850421e-03
G46	2.097330e-02	...	5.376902e-02	2.868119e-02	5.697067e-02
G47	4.200095e-03	...	2.559524e-02	2.035267e-02	2.609961e-02
I	6.270139e-04	...	4.288517e-04	1.099543e-04	4.494880e-04
H49	1.072262e-03	...	3.277621e-03	2.090524e-03	3.506463e-03
H49	2.269088e-03	...	5.208794e-03	3.026061e-03	5.582098e-03
H49	1.214850e-04	...	1.194280e-03	7.938988e-04	1.232744e-03
H50	6.235933e-03	...	1.170479e-04	8.325546e-05	1.162381e-04
H50	2.876878e-05	...	7.008537e-05	4.198929e-05	6.913977e-05
H51	3.824810e-04	...	3.885088e-03	1.423416e-03	4.244408e-03
H52	3.743591e-03	...	4.637973e-04	2.718242e-04	4.687826e-04
H53	1.437075e-03	...	1.887451e-02	7.517549e-05	2.616036e-02
K64	1.929042e-02	...	8.603856e-07	2.616104e-07	9.509841e-07
K65	9.442865e-04	...	3.995622e-09	1.939594e-09	4.650501e-09
K66	4.925489e-04	...	1.088009e-06	6.110172e-07	1.186039e-06
L68	2.862651e-04	...	3.281101e-06	2.115971e-06	3.148658e-06
M_N	2.028332e-03	...	1.442924e-05	4.739661e-06	1.787338e-05
J62_63	4.809917e-05	...	1.512197e-04	3.720672e-05	2.079434e-04
M_N	1.548987e-04	...	1.758310e-03	3.967349e-04	1.993336e-03
M_N	6.634294e-03	...	5.339791e-04	1.308663e-04	6.045221e-04
O84	1.388551e-03	...	2.057198e-03	9.927995e-04	2.223405e-03

	P85	3.940481e-05	...	2.296517e-05	6.628055e-06	2.470587e-05
	M_N	8.265163e-06	...	2.174219e-06	1.592411e-06	2.049995e-06
	E37-39	4.120960e-07	...	8.292312e-08	3.252574e-08	1.545165e-07
	E37-39	4.931479e-07	...	9.050946e-08	3.668994e-08	1.563799e-07
	E37-39	1.766773e-07	...	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	2.291939e-04	...	4.754109e-07	1.617100e-07	7.576984e-07
	E37-39	1.732854e-07	...	9.527020e-08	4.289190e-08	1.665314e-07
	E37-39	1.261686e-07	...	1.380871e-07	5.639826e-08	2.387106e-07
	E37-39	1.703193e-07	...	6.628381e-07	1.854721e-07	1.171371e-06
	E37-39	9.953921e-08	...	4.526486e-09	0.000000e+00	7.298037e-09
	E37-39	1.363350e-07	...	0.000000e+00	0.000000e+00	1.089952e-08
	E37-39	2.645119e-08	...	3.326844e-07	1.896160e-07	4.747811e-07
	E37-39	6.461921e-06	...	7.631903e-07	3.511695e-07	1.008080e-06
	E37-39	0.000000e+00	...	1.518559e-06	1.103080e-06	1.749038e-06
	E37-39	1.294163e-07	...	2.008370e-07	1.165473e-07	1.810812e-07
	E37-39	2.862545e-07	...	3.064884e-07	1.659822e-07	2.928303e-07
	E37-39	3.894361e-05	...	1.434524e-04	4.332163e-05	1.657437e-04
	E37-39	1.062353e-04	...	4.333844e-04	1.975547e-04	4.520661e-04
	E37-39	8.576785e-05	...	4.623669e-04	2.087567e-04	4.773530e-04
	E37-39	1.342354e-04	...	1.179850e-03	4.071438e-04	1.319878e-03
	E37-39	8.913794e-05	...	2.052299e-03	1.378503e-03	2.015423e-03
	E37-39	1.280865e-04	...	2.453568e-04	8.509816e-05	2.658004e-04
	R_S	1.808105e-05	...	1.236515e-04	2.909202e-05	1.410063e-04
	R_S	2.776954e-04	...	1.993972e-05	7.928670e-06	2.150738e-05
	R_S	6.167742e-05	...	5.424399e-06	4.179538e-06	5.102693e-06
	T	1.968693e-04	...	1.237528e-04	9.052155e-05	1.271040e-04
	U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
WM	A01	1.300519e-02	...	1.315324e+01	9.969072e+00	1.279013e+01
	A01	1.990547e-02	...	9.797494e+00	7.381519e+00	9.826527e+00
	A01	2.212258e-02	...	8.430407e+00	6.303818e+00	8.474885e+00
	A01	9.308321e-03	...	8.327251e+00	5.850317e+00	8.398166e+00
	A01	2.377084e-03	...	9.500656e+00	7.056037e+00	9.499325e+00
	A01	1.026181e-03	...	7.184249e+00	5.136596e+00	7.272111e+00
	A01	1.185944e-03	...	1.175226e-02	6.002112e-03	1.176378e-02
	A01	5.965372e-01	...	4.004715e+00	1.993321e+00	4.261062e+00
	A01	6.266578e-03	...	1.284741e+01	1.027629e+01	1.284950e+01
	A01	1.784310e-03	...	1.662145e+01	1.363167e+01	1.650528e+01
	A01	5.337105e-03	...	1.232272e+01	9.861302e+00	1.233281e+01
	A01	1.189253e-03	...	8.024384e+00	5.920803e+00	8.045039e+00
	A01	1.401928e-03	...	6.516561e-01	5.652848e-02	9.638695e-01
	A01	3.337296e-03	...	1.501087e+01	1.192495e+01	1.500630e+01
	A01	2.187373e-05	...	3.035562e+00	1.139390e+00	3.268898e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
	A02	4.281896e-04	...	6.326172e-02	1.228013e-02	9.646600e-02
	A03	2.560817e-04	...	2.749888e+00	8.550122e-01	2.983319e+00
	B_nongas	1.316269e-05	...	5.216198e-02	2.274776e-02	5.468166e-02
	B_nongas	4.572040e-03	...	1.653234e+00	7.786234e-01	1.902965e+00

B_gas	2.362252e-03	...	1.632921e+00	5.224984e-01	1.589404e+00
B_gas	0.000000e+00	...	5.637253e-01	0.000000e+00	7.481434e-01
B_nongas	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	3.257974e-04	...	5.197286e+00	3.145641e+00	5.370632e+00
B_nongas	2.602890e-04	...	2.577151e+01	2.163214e+01	2.556981e+01
B_nongas	0.000000e+00	...	9.789720e-05	5.361995e-05	1.492951e-04
B_nongas	5.538841e-05	...	3.981050e+00	1.888639e+00	4.209018e+00
B_nongas	6.295235e-04	...	2.923990e+01	2.513397e+01	2.880627e+01
B_nongas	2.052701e-04	...	1.874821e+01	1.537641e+01	1.864512e+01
B_nongas	3.781721e-04	...	2.269377e+01	1.919968e+01	2.242011e+01
B_nongas	5.725676e-04	...	2.334872e+01	1.957345e+01	2.322812e+01
B_nongas	5.976148e-04	...	1.818600e+01	1.420519e+01	1.825126e+01
B_nongas	1.356350e-03	...	2.629084e-03	1.391070e-03	2.528320e-03
C10-12	3.407159e-03	...	2.214054e-01	8.298198e-02	5.199360e-01
C10-12	3.068453e-03	...	1.955850e-01	8.950459e-02	2.269555e-01
C10-12	3.574798e-04	...	3.712682e+00	1.683299e+00	3.955128e+00
C10-12	1.427422e-04	...	2.423462e+00	7.464113e-01	2.631546e+00
C10-12	4.423069e-03	...	7.360036e-02	4.276675e-02	6.698313e-02
C10-12	4.997936e-03	...	1.846533e+00	1.059424e-01	2.181001e+00
C10-12	2.166402e-04	...	2.542798e-03	1.414324e-03	1.800789e-03
C10-12	5.757551e-04	...	2.536057e+00	6.604303e-01	2.821361e+00
C10-12	3.648666e-01	...	5.902908e+00	2.474320e+00	6.195596e+00
C10-12	3.230256e-02	...	2.193928e+00	2.060632e-01	2.145085e+00
C10-12	2.232704e-03	...	6.806671e-01	6.104749e-02	1.073816e+00
C10-12	4.703595e-05	...	5.705354e-01	3.373058e-02	8.387474e-01
C13-15	1.094969e-02	...	8.471852e+00	5.391080e+00	8.181111e+00
C13-15	3.094223e-04	...	4.658601e-01	1.100037e-01	6.586295e-01
C13-15	2.034219e-03	...	2.498832e+00	7.874311e-01	2.722684e+00
C16	1.138992e-03	...	1.528608e-01	7.509566e-02	1.987493e-01
C16	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.168096e-04	...	2.317873e+01	1.992419e+01	2.436638e+01
C17	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C17	8.095218e-04	...	1.047295e+00	3.395717e-01	1.242611e+00
C18	4.904430e-04	...	2.591776e+00	6.036853e-01	2.490675e+00
C19	7.592597e-05	...	1.535980e-02	5.607960e-03	1.470996e-02
C19	1.041076e-03	...	8.134077e+00	1.412293e+00	7.073953e+00
C24	9.473720e-06	...	7.461840e-03	2.717991e-03	6.975716e-03
C20-21	3.784241e-04	...	3.858013e-02	2.562294e-02	3.553580e-02
C20-21	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	7.580336e-05	...	1.313755e-02	4.263505e-03	1.473624e-02
C20-21	1.050705e-03	...	2.380792e-03	1.239026e-03	2.558338e-03
C20-21	3.118025e-02	...	9.047704e+00	5.954446e+00	1.703624e+00
C22	3.306550e-02	...	7.091559e+00	1.317142e+01	7.605060e+00
C23	6.186806e-03	...	9.069531e-02	3.481520e-02	1.169003e-01
C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	3.241296e-04	...	9.821758e-02	3.899895e-02	1.165477e-01
C23	2.023640e-05	...	4.291361e-02	1.195850e-02	5.884934e-02
C23	1.575101e-04	...	1.474907e-01	6.508779e-02	1.776172e-01

C23	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C23	9.065813e-04	...	5.918784e-01	1.477429e-01	3.967045e-01
C24	2.877293e-04	...	6.346187e+00	3.389517e+00	6.242734e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.668258e-04	...	2.884598e+00	1.201989e+00	3.065557e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.819465e-04	...	6.680947e-02	2.448260e-02	8.059480e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.303922e-05	...	3.681293e+00	1.841866e+00	3.889952e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.678841e-04	...	1.470739e+00	5.343929e-02	1.794152e+00
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.751460e-05	...	4.107698e-02	1.238342e-02	4.764496e-02
C24	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.960562e-04	...	9.439299e-02	2.349746e-02	1.081034e-01
C25_33	1.099341e-02	...	3.110160e+00	5.452170e-01	4.911144e+00
C25	7.071152e-03	...	8.596390e+00	2.982085e+00	8.766987e+00
C26	6.758589e-03	...	1.354547e-01	5.732547e-02	1.581009e-01
C27	3.121576e-01	...	1.014185e+01	5.609416e+00	8.901997e+00
C27	3.845050e-03	...	2.522096e+00	2.685073e-01	2.748951e+00
C28_32	1.727861e-02	...	2.294178e-01	1.281380e-01	2.323734e-01
C29	3.235694e-03	...	1.247818e+01	7.941526e+00	1.252081e+01
C30	4.973281e-04	...	5.987196e+00	3.420548e+00	6.239869e+00
C31	5.383978e-03	...	3.748451e-01	2.024386e-01	3.665711e-01
E37-39	1.619474e-04	...	2.316097e-01	8.708446e-02	5.625250e-01
E37-39	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	8.923394e-05	...	3.762742e+00	1.296730e+00	3.726154e+00
D35	1.391661e-03	...	2.322937e+01	1.432455e+01	1.945298e+01
D35	0.000000e+00	...	4.109820e-04	2.745193e-04	6.356995e-04
D35	4.866289e-05	...	2.884142e+00	6.540273e-01	2.975732e+00
D35	1.432538e-05	...	2.720001e-01	1.289621e-02	4.450023e-01
D35	2.099268e-04	...	1.210756e+01	6.321146e+00	1.025769e+01
D35	1.313360e-05	...	3.010133e-01	1.780768e-02	3.952910e-01
D35	0.000000e+00	...	7.807513e-05	0.000000e+00	1.258252e-04
D35	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	...	2.259205e-02	1.260607e-02	2.133672e-02
D35	0.000000e+00	...	7.325027e-05	5.005517e-05	1.180574e-04
D35	0.000000e+00	...	9.768049e-05	6.404295e-05	1.575716e-04
D35	2.170425e-04	...	4.640870e+00	1.408671e+00	4.196036e+00
D35	1.465633e-03	...	2.285524e+01	1.563407e+01	1.969331e+01
D35	1.380564e-04	...	1.740968e-01	6.178064e-02	2.157474e-01
D35	0.000000e+00	...	4.463010e+00	2.490268e+00	4.214795e+00
E36	1.454246e-04	...	8.036992e+00	3.272521e+00	9.053855e+00
F	3.116603e-03	...	2.082108e+01	2.365871e+01	2.148902e+01
F	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00
G45	8.916043e-04	...	2.833549e+01	2.170241e+01	2.985120e+01
G47	2.683929e-04	...	1.113764e+00	9.173418e-01	1.162275e+00
G46	1.731177e-02	...	1.138251e+02	8.858458e+01	1.228714e+02

G47	3.742403e-03	...	9.149064e+01	5.689948e+01	9.801467e+01
I	7.698168e-03	...	1.016401e+01	4.238877e+00	1.132856e+01
H49	5.349403e-03	...	8.756294e+00	3.871522e+00	8.479460e+00
H49	1.060299e-02	...	5.488825e+01	1.930032e+01	5.666217e+01
H49	2.292139e-04	...	1.540244e+00	8.473776e-01	1.555198e+00
H50	4.156526e-03	...	2.960523e+01	2.508035e+01	3.115571e+01
H50	6.042170e-05	...	9.682043e-01	7.685239e-02	1.325608e+00
H51	3.612653e-03	...	1.136232e+01	8.015553e+00	1.170730e+01
H52	9.280984e-03	...	1.696264e+01	7.348183e+00	1.827004e+01
H53	3.132270e-03	...	1.262520e+01	2.751145e+00	1.381507e+01
K64	8.520021e-02	...	1.075965e+01	8.869107e-01	9.422741e+00
K65	1.770094e-03	...	5.038027e-02	1.534252e-02	1.881272e+00
K66	2.102569e-03	...	3.040047e-01	4.238972e-02	2.803487e-01
L68	6.810177e-04	...	9.047437e-02	5.840889e-02	1.588654e+00
M_N	2.346198e-02	...	2.817862e+00	5.874413e-02	5.799638e+00
J62_63	2.966872e-04	...	4.419374e+00	1.553566e-01	5.791312e+00
M_N	1.759193e-04	...	1.261312e-01	3.881013e-02	1.698939e-01
M_N	1.965086e-02	...	4.764276e+01	2.237395e+01	5.658075e+01
O84	2.252295e-03	...	9.540076e+00	1.970038e+00	1.081925e+01
P85	2.092393e-04	...	2.711881e-02	9.228351e-03	3.331175e-02
M_N	1.566957e-04	...	4.656981e-02	1.929558e-02	5.704348e-02
E37-39	1.872570e-06	...	2.120854e-03	8.318832e-04	3.951937e-03
E37-39	3.154587e-06	...	2.925007e-03	1.185714e-03	5.053750e-03
E37-39	1.231445e-05	...	3.089592e-03	1.359865e-03	4.035482e-03
E37-39	9.744665e-04	...	2.846996e-03	9.683996e-04	4.537474e-03
E37-39	6.842616e-07	...	5.278422e-04	2.376415e-04	9.226630e-04
E37-39	4.812962e-07	...	7.377662e-04	3.013224e-04	1.275373e-03
E37-39	7.277249e-07	...	1.876007e-03	5.249349e-04	3.315289e-03
E37-39	3.497444e-07	...	8.817941e-04	1.994789e-04	1.421713e-03
E37-39	3.813572e-07	...	1.205320e-04	2.726357e-05	1.939638e-04
E37-39	9.138517e-08	...	7.488949e-03	4.268384e-03	2.455080e+00
E37-39	1.848550e-05	...	5.466975e-03	2.515539e-03	1.871966e+00
E37-39	0.000000e+00	...	1.268339e-03	9.213207e-04	1.460841e-03
E37-39	1.254957e-06	...	2.955106e+00	4.630386e-03	2.541755e+00
E37-39	1.151295e-06	...	9.110158e-01	5.105797e-03	9.508654e-01
E37-39	4.688721e-05	...	2.533241e+01	1.387885e+01	2.312450e+01
E37-39	4.504913e-05	...	1.047496e+01	1.730596e+00	9.977947e+00
E37-39	2.012923e-05	...	2.912419e+00	1.200938e-02	2.572528e+00
E37-39	5.451622e-05	...	1.057435e+01	2.229936e+00	1.384758e+01
E37-39	2.690465e-05	...	2.183736e-01	1.149475e-02	1.906389e-01
E37-39	2.885669e-05	...	1.290046e+00	1.108819e-02	1.437661e+00
R_S	4.011717e-05	...	1.239758e-01	3.600060e-02	1.683062e-01
R_S	1.506841e-03	...	6.431914e-01	3.059271e-01	7.707496e-01
R_S	4.760987e-04	...	6.363578e-02	3.038868e-02	8.222613e-02
T	3.723199e-04	...	1.622360e-01	9.590272e-02	1.723618e-01
U	0.000000e+00	...	0.000000e+00	0.000000e+00	0.000000e+00

region

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sector		E37-39	E37-39	R_S	R_S
region	sector				
AT	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	5.450237e-05	7.631378e-05	2.034299e-04	1.514647e-03
	A01	1.851072e-04	2.642625e-04	4.667644e-03	1.639933e-03
	A01	2.364037e-04	5.827175e-04	2.195505e-03	2.598694e-02
	A01	0.000000e+00	1.282885e-06	2.477639e-05	3.267696e-04
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.654671e-05	2.718714e-05	5.288351e-04	4.515814e-03
	A01	0.000000e+00	0.000000e+00	8.531112e-04	7.766854e-02
	A01	0.000000e+00	0.000000e+00	2.988795e-04	1.969241e-02
	A01	0.000000e+00	0.000000e+00	9.717033e-05	6.402147e-03
	A01	1.369901e-05	2.000575e-05	5.938785e-04	3.538328e-03
	A01	9.254665e-06	1.306413e-05	4.274714e-04	2.032549e-03
	A01	0.000000e+00	0.000000e+00	9.830054e-04	6.694654e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	2.017499e-09	3.314802e-09	1.179221e-04	1.494749e-03
	A03	0.000000e+00	0.000000e+00	2.187438e-10	6.617008e-10
	B_nongas	4.154288e-07	4.695029e-07	2.026111e-06	8.146637e-06
	B_nongas	8.052225e-06	8.471736e-06	7.927487e-05	5.598647e-04
	B_gas	1.787336e-05	2.046701e-05	1.551763e-04	1.289295e-03
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.450784e-06	1.501035e-06	1.433008e-05	1.053570e-04
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	5.326215e-06	5.096461e-06	3.795339e-05	6.587490e-04
	B_nongas	2.413103e-05	2.197674e-05	3.269515e-04	1.664599e-03
	B_nongas	6.876392e-05	6.951813e-05	6.906669e-04	6.468904e-03
	B_nongas	4.802218e-03	7.474516e-03	2.528350e-02	3.364681e-02
	C10-12	1.081588e-04	1.797317e-04	2.421740e-03	5.774788e-03
	C10-12	3.954458e-04	6.640467e-04	9.923106e-03	1.956992e-02
	C10-12	1.259790e-04	1.238622e-04	3.706424e-04	9.748252e-04
	C10-12	2.954584e-03	5.035305e-03	6.756654e-02	1.335555e-01
	C10-12	3.399335e-04	5.608977e-04	7.474118e-03	1.553379e-02
	C10-12	1.400671e-04	2.047737e-04	1.045803e-02	5.813820e-02
	C10-12	1.900029e-06	2.998887e-06	3.713822e-05	7.816998e-05
	C10-12	2.184703e-04	3.376210e-04	1.069271e-02	2.942753e-02
	C10-12	1.735051e-05	1.704604e-05	8.075234e-02	4.692322e-01
	C10-12	2.879130e-03	4.917266e-03	1.701402e-01	7.572124e-01
	C10-12	9.772289e-05	9.600945e-05	2.981900e-04	9.433461e-04
	C10-12	4.465288e-07	4.932473e-07	7.025692e-05	1.777190e-03

C13-15	1.105628e-02	1.416165e-02	6.107138e-02	6.714124e-02
C13-15	2.009295e-04	2.370246e-04	1.361272e-03	1.262816e-02
C13-15	1.138403e-05	1.364607e-05	1.464203e-03	9.107365e-03
C16	1.461158e-04	6.105235e-06	7.797777e-03	1.305692e-01
C16	1.869191e-06	2.623004e-06	4.103150e-03	7.237764e-02
C17	1.104762e-02	1.216419e-02	1.635848e-02	1.691427e-02
C17	3.006047e-02	3.312589e-02	4.444795e-02	4.566778e-02
C17	1.148570e-04	1.804662e-04	1.206088e-01	1.707418e+00
C18	6.134236e-04	4.924416e-04	1.423968e+00	4.045651e+00
C19	1.802800e-05	1.689996e-05	3.917655e-05	1.624138e-04
C19	9.901495e-04	1.234444e-03	2.898326e-03	6.600134e-03
C24	7.598773e-07	7.941171e-07	9.225696e-07	2.193719e-05
C20-21	9.900055e-03	1.059485e-02	1.570889e-02	4.322269e-02
C20-21	3.865776e-03	4.130582e-03	5.163421e-03	1.121332e-02
C20-21	1.355247e-06	1.549624e-06	1.235917e-05	6.152085e-05
C20-21	7.447424e-05	6.652868e-05	1.854515e-04	5.247576e-04
C20-21	3.952108e-04	5.949144e-04	8.266350e-04	4.876322e-03
C22	9.524249e-04	1.051691e-03	3.717618e-02	3.328581e-01
C23	1.848072e-05	1.901409e-05	5.950232e-05	9.404990e-03
C23	1.569201e-05	1.615450e-05	5.060601e-05	8.462554e-03
C23	7.525073e-05	7.704318e-05	2.354872e-04	1.345785e-02
C23	9.174433e-05	9.345573e-05	3.154007e-04	1.078964e-03
C23	3.240688e-04	2.914335e-04	1.789756e-03	1.145085e-02
C23	5.297368e-05	7.871911e-05	5.451535e-04	3.037278e-03
C23	1.209102e-04	1.549975e-04	5.550714e-04	1.890838e-03
C24	2.211608e-03	5.416521e-03	3.592814e-02	5.890280e-02
C24	4.115252e-04	9.067238e-04	5.732571e-03	9.465279e-03
C24	2.516901e-05	2.447463e-05	2.929150e-04	3.801475e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.087679e-05	5.912350e-05	2.822288e-04	1.141706e-03
C24	1.387660e-04	1.650594e-04	2.166631e-03	9.362588e-03
C24	1.083826e-05	1.053906e-05	2.515391e-04	6.785735e-04
C24	9.917314e-06	9.643329e-06	2.374832e-04	6.396606e-04
C24	9.831623e-05	9.547409e-05	6.125809e-04	2.199964e-03
C24	2.301702e-04	2.246691e-04	1.675779e-03	5.744037e-03
C24	8.630255e-05	8.662125e-05	7.150303e-04	9.945378e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.956824e-05	4.752735e-05	1.188878e-03	4.559145e-03
C25_33	9.909686e-04	1.207032e-03	9.237027e-02	2.381843e-01
C25	9.012491e-04	1.522847e-03	8.053722e-02	4.565882e-01
C26	4.710911e-05	4.346061e-05	3.800551e-04	1.666641e-02
C27	6.288743e-03	1.143345e-02	9.333248e-02	5.467741e-01
C27	1.664617e-05	2.488977e-05	7.802646e-03	1.137126e-01
C28_32	1.289431e-04	2.236939e-04	3.779437e-03	1.325843e-01
C29	7.645089e-03	1.484347e-02	5.823147e-02	6.179011e-01
C30	2.224373e-03	3.547074e-03	1.142061e-02	3.246342e-02
C31	6.467474e-04	8.696797e-04	3.905321e-02	1.142614e-01
E37-39	1.396257e-05	8.958452e-06	4.981342e-05	2.151635e-04

E37-39	3.651528e-04	3.917532e-04	2.058879e-03	2.123659e-02
D35	6.186227e-06	6.883796e-06	4.140939e-05	4.559727e-04
D35	1.752158e-05	1.954519e-05	1.168091e-04	5.571520e-04
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.977967e-05	2.201184e-05	1.333122e-04	1.132082e-03
D35	1.173010e-06	1.306357e-06	7.860538e-06	8.844558e-05
D35	1.945038e-06	2.164551e-06	1.295980e-05	1.424670e-04
D35	6.115905e-06	6.806089e-06	4.147410e-05	2.950270e-04
D35	1.374990e-08	1.542116e-08	7.989015e-08	1.024022e-06
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.566889e-10	4.908920e-10	2.702459e-09	3.733152e-08
D35	1.116068e-06	1.243098e-06	7.558202e-06	8.297075e-05
D35	4.923090e-05	5.478682e-05	3.299469e-04	3.354199e-03
D35	1.107888e-04	1.232917e-04	7.403155e-04	6.797622e-03
D35	1.435310e-04	1.482755e-04	8.352714e-04	3.741377e-03
D35	6.973501e-05	7.760397e-05	4.745000e-04	3.496085e-03
E36	6.813227e-05	1.148576e-05	1.789277e-04	3.488909e-04
F	8.179201e-04	1.051976e-03	1.269181e-02	8.356435e-02
F	7.537780e-06	8.261879e-06	3.038120e-05	1.401882e-04
G45	3.227356e-02	3.710565e-02	8.917519e-02	5.601499e-01
G47	5.141577e-04	5.621528e-04	2.942368e-04	1.317681e-03
G46	1.007231e-01	8.967521e-02	2.701224e-01	8.121688e-01
G47	6.031516e-02	6.469112e-02	1.532733e-01	4.249280e-01
I	5.586650e-03	6.437700e-03	3.914866e-01	5.912858e-01
H49	1.433266e-03	1.622611e-03	3.414627e-02	8.693771e-02
H49	2.328596e-03	9.833626e-04	4.073999e-02	1.064014e-01
H49	5.226333e-04	5.926135e-04	1.418264e-03	6.066364e-03
H50	9.621332e-04	1.069179e-03	1.275836e-03	1.902479e-03
H50	2.748975e-05	2.539369e-05	1.243642e-04	6.315508e-04
H51	3.694948e-02	4.329042e-02	1.858242e-01	3.760209e-03
H52	8.716147e-04	8.942937e-04	1.483581e-02	9.868411e-02
H53	4.974505e-05	4.412971e-05	7.746133e-02	1.912961e-01
K64	6.037051e-06	7.592130e-06	2.761877e+00	6.728844e-01
K65	4.470851e-09	6.647014e-09	2.913288e-04	2.131350e-03
K66	3.259408e-05	3.188206e-05	7.063975e-02	4.890300e-02
L68	1.876479e-05	3.211523e-05	7.134294e-04	2.509374e-02
M_N	3.419889e-04	3.900491e-04	1.451634e-03	6.333883e-03
J62_63	3.001988e-05	4.890030e-05	1.648900e-01	7.954966e-01
M_N	3.570758e-05	3.582384e-05	2.470529e-02	1.438865e-02
M_N	1.582823e-03	1.783633e-03	1.964786e-02	7.189077e-01
O84	1.426933e-05	1.307267e-05	1.003861e-02	3.141217e-02
P85	3.444471e-05	3.734287e-05	1.145450e-02	1.828041e-02
M_N	4.462840e-05	5.021354e-05	3.935224e-03	1.041587e-02
E37-39	5.939824e-06	6.017496e-06	1.923200e-05	1.538176e-04
E37-39	5.816649e-06	6.015511e-06	1.910931e-05	1.483401e-04
E37-39	3.085630e-03	5.287982e-06	8.148537e-03	9.306071e-05
E37-39	7.158167e-05	8.067548e-05	2.082330e-04	1.613123e-03

	E37-39	9.227189e-07	9.669943e-07	3.018839e-06	2.227142e-05
	E37-39	1.844550e-06	1.981860e-06	5.999384e-06	4.287115e-05
	E37-39	1.019784e-05	1.339214e-05	2.697387e-05	1.929046e-04
	E37-39	6.202339e-07	5.609288e-07	2.367859e-06	1.511922e-05
	E37-39	8.586028e-08	7.763950e-08	3.153710e-07	2.083314e-06
	E37-39	6.890141e-07	7.614206e-07	1.886706e-06	1.284444e-05
	E37-39	4.976555e-05	6.385715e-05	1.359384e-04	1.280529e-03
	E37-39	4.780870e-08	6.244835e-08	1.278710e-07	3.267945e-07
	E37-39	3.010901e-06	2.957552e-06	9.726704e-06	9.596688e-05
	E37-39	6.646951e-06	6.870593e-06	2.068798e-05	2.013117e-04
	E37-39	1.013059e-06	1.102013e-06	4.992334e-06	5.713643e-05
	E37-39	1.360502e-06	1.434879e-06	7.826971e-06	9.146635e-05
	E37-39	7.331457e-05	8.845768e-05	4.797477e-05	2.205782e-04
	E37-39	4.224612e-06	4.737778e-06	1.836160e-05	2.005134e-04
	E37-39	6.779757e-05	8.129675e-05	4.060650e-05	5.866705e-06
	E37-39	2.637469e-04	6.508324e-07	1.497001e-04	1.836201e-05
	R_S	4.959629e-05	4.820854e-05	1.784747e-02	2.869460e-02
	R_S	3.083470e-05	3.541341e-05	3.894357e-03	2.875481e-01
	R_S	4.170650e-05	3.933205e-05	7.384569e-04	1.442577e-03
	T	0.000000e+00	0.000000e+00	2.879346e-02	5.443563e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
BE	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.036835e-04	4.224974e-04	1.204200e-03	1.048793e-02
	A01	2.540323e-04	3.598182e-04	6.311783e-03	2.938708e-03
	A01	9.125351e-04	2.248799e-03	8.485802e-03	1.003449e-01
	A01	1.276468e-08	8.589467e-06	1.658489e-04	2.185834e-03
	A01	3.655681e-07	3.219271e-07	2.971392e-06	1.310443e-05
	A01	6.183797e-09	5.445705e-09	6.640957e-08	3.043618e-07
	A01	1.119525e-10	1.211259e-06	1.309881e-02	3.678167e-01
	A01	1.331551e-06	1.172623e-06	4.426993e-03	2.924497e-01
	A01	9.703365e-07	8.546078e-07	1.994598e-03	1.300426e-01
	A01	6.121539e-07	5.391120e-07	3.282774e-04	2.099009e-02
	A01	2.713861e-11	4.046929e-11	5.989698e-03	3.945818e-01
	A01	1.323872e-05	1.165769e-05	3.542403e-04	2.161975e-02
	A01	9.558835e-07	8.417831e-07	6.434853e-03	4.234025e-01
	A01	2.817211e-12	2.480767e-12	5.740146e-12	1.311236e-11
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	2.017319e-05	3.139562e-05	2.157039e-04	4.677196e-04
	A03	4.023302e-06	3.540134e-06	4.809111e-05	1.319556e-04
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	3.721279e-04
B_nongas	3.256299e-05	4.557949e-05	5.383623e-04	8.056316e-03
B_nongas	2.796301e-05	2.841625e-05	1.528095e-04	2.281977e-02
B_nongas	4.404776e-02	6.858072e-02	2.302728e-01	2.976232e-01
C10-12	3.907439e-04	6.677689e-04	9.001189e-03	1.790477e-02
C10-12	8.961571e-04	1.191158e-03	1.185691e-02	2.372705e-02
C10-12	2.913681e-04	4.689100e-04	6.349082e-03	1.420685e-02
C10-12	3.419708e-03	5.846446e-03	7.868805e-02	1.572745e-01
C10-12	6.903106e-04	1.171726e-03	1.800246e-02	4.405890e-02
C10-12	1.095919e-03	1.870754e-03	7.315893e-02	3.649224e-01
C10-12	2.208724e-04	3.775657e-04	5.083496e-03	1.003404e-02
C10-12	1.267538e-03	2.156570e-03	1.120470e-01	3.204215e-01
C10-12	2.221634e-02	3.797566e-02	5.489278e-01	1.187989e+00
C10-12	4.019043e-03	6.833486e-03	9.695301e-02	2.143053e-01
C10-12	8.995535e-06	6.862374e-06	7.145435e-04	7.544770e-03
C10-12	8.583975e-08	9.696204e-08	5.131182e-03	1.411955e-02
C13-15	4.098961e-02	5.246990e-02	2.267939e-01	2.621888e-01
C13-15	4.137404e-04	5.173119e-04	4.455831e-03	4.251729e-02
C13-15	3.541356e-07	8.172051e-07	1.051255e-03	8.153557e-03
C16	1.051934e-06	5.902383e-07	2.194103e-03	4.070883e-02
C16	1.698386e-07	1.108181e-07	5.470965e-04	1.019764e-02
C17	8.738267e-04	9.532252e-04	1.715046e-03	3.341365e-03
C17	1.940672e-03	2.154738e-03	4.356297e-03	8.905527e-03
C17	1.805249e-04	2.586237e-04	9.098420e-02	1.273833e+00
C18	6.062641e-05	3.314673e-05	1.240874e-01	3.600228e-01
C19	6.263689e-05	6.556685e-05	8.286070e-05	1.532036e-04
C19	8.367632e-02	1.033404e-01	2.538706e-01	5.510520e-01
C24	3.875418e-04	4.120370e-04	4.097586e-04	1.496427e-03
C20-21	1.087138e-01	1.164876e-01	1.811292e-01	3.582922e-01
C20-21	2.585953e-03	2.743366e-03	3.234716e-03	4.874133e-03
C20-21	5.716939e-06	5.276433e-06	3.195110e-04	8.199567e-04
C20-21	2.786253e-06	3.355846e-06	3.338699e-04	1.153627e-03
C20-21	9.683332e-04	1.708761e-03	4.661072e-03	1.200509e-02
C22	1.689052e-03	2.084379e-03	6.012021e-02	6.138091e-01
C23	1.514053e-04	2.306160e-04	8.457565e-04	4.677272e-02
C23	4.190706e-05	6.381801e-05	2.346905e-04	1.166373e-02
C23	5.425097e-05	8.219660e-05	2.993373e-04	2.860855e-03
C23	1.689004e-04	2.555357e-04	1.186783e-03	1.807271e-03
C23	6.680385e-04	1.009906e-03	3.695664e-03	7.066306e-03
C23	3.064781e-04	4.635788e-04	1.685805e-03	3.202415e-03
C23	2.867733e-04	4.359085e-04	1.570514e-03	2.868457e-03
C24	4.052293e-03	1.012057e-02	6.602738e-02	1.037674e-01
C24	2.702921e-03	6.730455e-03	4.378485e-02	6.870445e-02
C24	1.351523e-04	1.695979e-04	1.189049e-01	2.263077e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

C24	6.451916e-05	8.074903e-05	7.332996e-04	4.120420e-03
C24	1.110440e-05	1.194708e-05	2.201229e-05	7.386452e-05
C24	1.055836e-04	1.132517e-04	9.474476e-02	2.433369e-01
C24	3.464962e-05	3.757552e-05	9.010568e-03	2.313296e-02
C24	1.208502e-04	1.513398e-04	1.328546e-02	6.295928e-02
C24	1.068000e-04	1.333128e-04	1.585007e-02	7.537247e-02
C24	1.270667e-05	1.338524e-05	1.232536e-04	2.025442e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.902503e-05	2.163635e-05	1.191135e-04	4.041430e-04
C25_33	1.550414e-03	2.776107e-03	9.725774e-02	4.774390e-01
C25	1.087636e-03	1.655690e-03	8.598657e-02	4.805820e-01
C26	3.185960e-06	6.856704e-06	3.351385e-03	4.721074e-02
C27	3.990789e-03	7.551353e-03	6.372179e-02	3.901121e-01
C27	3.205196e-04	6.048352e-04	1.219021e-02	1.316742e-01
C28_32	2.249976e-04	3.506601e-04	6.994979e-03	2.986668e-01
C29	8.016190e-03	1.534324e-02	6.260577e-02	6.597900e-01
C30	8.897242e-03	1.425660e-02	4.520404e-02	1.490145e-01
C31	4.838928e-04	5.321600e-04	3.919053e-03	3.326024e-02
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	5.997923e-04	7.058927e-04	4.301451e-03	1.522231e-02
D35	2.647257e-06	1.575544e-06	1.569015e-04	2.067510e-03
D35	1.583060e-05	9.433030e-06	8.231004e-04	3.476212e-03
D35	2.501568e-05	1.792996e-05	1.219727e-03	7.022607e-03
D35	1.168556e-07	1.033036e-07	7.394849e-06	5.062799e-05
D35	4.213553e-07	2.385563e-07	1.904459e-05	7.915468e-05
D35	2.534337e-07	1.703331e-07	1.989038e-05	1.474540e-04
D35	2.220045e-06	1.318217e-06	1.426543e-04	5.654567e-04
D35	1.057704e-08	4.847711e-09	3.269780e-07	1.058114e-06
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.324024e-06	8.393535e-07	7.942175e-05	3.215062e-04
D35	1.026770e-05	6.526708e-06	4.975737e-04	2.502694e-03
D35	6.297881e-05	3.873994e-05	3.385596e-03	1.972701e-02
D35	1.306745e-05	7.507204e-06	4.777613e-04	2.328844e-03
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	7.942482e-04	3.260779e-04	1.331477e-03	5.415148e-03
F	1.695678e-03	3.087505e-03	6.591620e-02	4.471046e-01
F	4.524055e-06	7.739287e-06	1.804008e-04	1.281793e-03
G45	1.171409e-02	1.318459e-02	4.012866e-02	2.438352e-01
G47	1.110640e-04	1.094437e-04	7.748458e-04	2.162809e-03
G46	1.316529e-01	1.318741e-01	7.600018e-01	2.139827e+00
G47	4.950151e-04	5.183448e-04	1.807299e-03	5.098273e-03
I	5.450307e-03	6.286754e-03	3.843078e-01	5.719627e-01
H49	6.830874e-03	7.763958e-03	1.966865e-01	4.726523e-01
H49	1.134470e-02	1.558743e-03	2.294299e-01	5.372620e-01
H49	1.762406e-03	2.003302e-03	2.233533e-03	5.792147e-03
H50	9.449383e-02	1.050892e-01	1.240202e-01	1.728033e-01

H50	8.797174e-05	9.986628e-05	1.018693e-03	2.094530e-02
H51	3.159043e-01	3.700654e-01	1.584989e+00	1.917473e-03
H52	6.623038e-02	7.531071e-02	3.789786e-01	8.629715e-01
H53	1.231637e-04	4.443622e-05	2.383999e-01	6.549831e-01
K64	1.561786e-05	2.050392e-05	8.436610e+00	2.109528e+00
K65	2.108505e-08	3.145800e-08	1.459569e-03	7.778339e-03
K66	5.234429e-06	6.968687e-06	1.034605e+00	6.778406e-01
L68	3.379015e-05	8.315984e-06	1.263545e-03	7.125472e-02
M_N	8.060062e-05	9.298967e-05	1.222130e-01	4.206765e-02
J62_63	2.110184e-05	3.282769e-05	3.601060e-01	1.803016e+00
M_N	9.061933e-06	8.823188e-06	1.662079e-01	7.192436e-02
M_N	6.150963e-04	6.007046e-04	7.964353e-02	2.051786e+00
O84	3.039935e-03	1.079401e-03	2.992714e-02	1.919050e-01
P85	3.601007e-05	4.153532e-05	5.282627e-02	3.261757e-02
M_N	8.934451e-07	1.536062e-06	2.794305e-03	1.427706e-02
E37-39	6.017716e-06	9.978386e-06	1.057283e-04	4.296248e-04
E37-39	5.738986e-06	9.574401e-06	8.527951e-05	3.402693e-04
E37-39	7.732014e-03	7.538908e-06	2.043671e-02	1.280896e-04
E37-39	4.752007e-05	8.189514e-05	4.124250e-04	1.650454e-03
E37-39	1.106671e-06	1.820521e-06	1.655327e-05	6.565979e-05
E37-39	2.217370e-06	3.711802e-06	2.980680e-05	1.184990e-04
E37-39	3.017814e-05	5.663038e-05	1.604844e-04	6.631769e-04
E37-39	7.745438e-07	1.160317e-06	1.935150e-05	8.183748e-05
E37-39	1.066278e-07	1.597359e-07	2.663233e-06	1.124689e-05
E37-39	6.970999e-06	1.079986e-05	5.870843e-05	2.182299e-04
E37-39	3.153142e-05	5.249841e-05	1.264664e-04	5.525236e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.765561e-06	2.567047e-06	3.347409e-05	1.493097e-04
E37-39	4.523277e-06	6.555179e-06	6.939926e-05	3.120212e-04
E37-39	1.771628e-06	2.555968e-06	3.221233e-05	1.471973e-04
E37-39	1.694505e-06	2.453236e-06	2.751452e-05	1.214434e-04
E37-39	1.513888e-03	1.828238e-03	9.912092e-04	4.378159e-03
E37-39	6.232371e-06	9.149818e-06	4.996595e-05	2.173473e-04
E37-39	7.752287e-05	9.301549e-05	4.908574e-05	1.501585e-05
E37-39	1.761028e-04	3.231927e-07	1.028108e-04	1.848411e-05
R_S	1.925701e-05	2.093421e-05	5.149866e-02	8.631792e-02
R_S	7.849067e-05	9.039105e-05	7.300727e-03	8.328874e-01
R_S	7.785316e-06	7.914071e-06	5.410643e-04	1.676976e-03
T	0.000000e+00	0.000000e+00	1.661039e-01	3.140287e-01
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
BG A01	3.570264e-08	2.165738e-08	1.451846e-04	4.120464e-04
A01	1.560400e-02	2.184852e-02	5.472178e-02	3.345862e-01
A01	4.898630e-03	6.993367e-03	1.229813e-01	2.816488e-02
A01	7.406889e-04	1.825152e-03	9.275082e-03	9.581720e-02
A01	2.954843e-08	2.764982e-04	5.339785e-03	7.042080e-02
A01	3.127579e-13	2.088953e-13	3.937506e-09	1.120722e-08
A01	2.131447e-08	1.292935e-08	8.667371e-05	2.459689e-04
A01	3.771556e-05	6.397007e-05	4.153298e-03	8.955760e-02

A01	8.616061e-08	8.953358e-08	9.949255e-05	1.463789e-03
A01	4.462457e-07	5.209614e-07	2.473302e-05	1.434104e-03
A01	3.573750e-07	4.165023e-07	4.344441e-05	2.634851e-03
A01	9.493410e-05	1.538913e-04	2.002589e-03	4.242220e-03
A01	1.026940e-05	1.291124e-05	1.356311e-04	4.982012e-04
A01	5.271990e-07	6.144179e-07	9.891258e-05	6.158990e-03
A01	2.662894e-13	4.319671e-13	3.125100e-08	2.810676e-08
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	1.510421e-05	1.387940e-05	1.267533e-04	1.348902e-03
A03	2.687258e-06	3.685662e-06	6.449924e-05	1.211188e-04
B_nongas	8.663228e-07	8.933008e-07	3.094630e-05	1.244762e-04
B_nongas	6.711741e-08	7.699818e-08	4.619924e-06	7.219475e-06
B_gas	5.230247e-07	5.958282e-07	3.495539e-05	5.258948e-05
B_gas	4.200290e-08	4.756863e-08	2.892375e-06	4.461490e-06
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	4.312104e-06	6.376768e-06	1.480561e-04	8.631329e-04
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	9.327479e-06	1.385369e-05	1.098398e-03	1.642108e-02
B_nongas	1.796829e-07	2.664218e-07	6.249473e-06	3.694461e-05
B_nongas	4.394161e-08	6.571958e-08	1.515973e-06	8.804665e-06
B_nongas	6.098160e-07	5.689129e-07	4.832915e-06	1.304391e-03
B_nongas	4.585359e-06	4.273922e-06	3.806338e-05	4.783359e-02
B_nongas	7.051843e-04	1.097542e-03	3.688920e-03	4.782739e-03
C10-12	3.553195e-05	4.059058e-05	3.988355e-04	1.166803e-03
C10-12	4.786078e-05	6.272524e-05	7.083159e-04	2.228455e-03
C10-12	2.778833e-05	4.579566e-05	1.071346e-03	3.074617e-03
C10-12	6.611010e-05	1.004549e-04	1.295791e-03	6.591500e-03
C10-12	4.378000e-05	6.326564e-05	2.697933e-03	1.289198e-02
C10-12	3.215944e-05	4.632898e-05	5.308947e-03	3.294780e-02
C10-12	1.777956e-05	1.571526e-05	3.842997e-05	1.471963e-04
C10-12	1.139956e-05	1.948049e-05	2.852860e-04	6.458742e-04
C10-12	2.781513e-03	4.746924e-03	6.716811e-02	1.477061e-01
C10-12	1.467841e-03	2.502058e-03	3.928248e-02	1.012139e-01
C10-12	3.096246e-05	3.383015e-05	3.068296e-04	9.697550e-04
C10-12	1.961270e-05	1.762593e-05	7.530991e-02	2.065960e-01
C13-15	9.415055e-03	1.204652e-02	5.161750e-02	5.603071e-02
C13-15	3.218014e-04	3.729730e-04	2.839542e-03	3.351651e-02
C13-15	1.054027e-05	1.220887e-05	3.823562e-04	2.007505e-03
C16	4.886213e-06	5.467967e-06	7.394184e-04	1.208962e-02
C16	3.422233e-07	3.047215e-07	8.382831e-06	1.297203e-04
C17	1.278377e-02	1.410172e-02	1.892624e-02	1.924289e-02
C17	6.418070e-03	7.080001e-03	9.473856e-03	9.575181e-03
C17	2.986417e-05	3.943958e-05	1.875325e-02	2.627633e-01
C18	2.045373e-03	2.250291e-03	4.799212e-02	1.395749e-01
C19	1.979973e-06	2.097808e-06	3.196560e-06	9.083277e-06

C19	1.534931e-01	1.922007e-01	4.465098e-01	1.066137e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.250620e-03	1.332895e-03	1.282319e-03	1.444464e-03
C20-21	3.694010e-03	3.941101e-03	3.889896e-03	4.982697e-03
C20-21	1.443443e-07	1.588839e-07	3.507091e-06	5.606784e-06
C20-21	8.907559e-04	9.880777e-04	2.396867e-03	1.374800e-02
C20-21	4.116372e-04	5.283598e-04	3.015386e-03	3.141623e-02
C22	5.858903e-04	6.471494e-04	1.330511e-02	1.422202e-01
C23	2.796028e-05	3.658306e-05	1.330403e-04	3.126246e-02
C23	1.913901e-06	2.445327e-06	9.624559e-06	1.449499e-03
C23	1.882718e-05	2.356375e-05	1.233741e-04	6.341016e-03
C23	7.682208e-06	9.713220e-06	3.789219e-05	4.509258e-04
C23	2.115890e-04	2.987247e-04	1.115414e-03	9.536820e-03
C23	1.614431e-05	2.044517e-05	7.904546e-05	9.017239e-04
C23	2.137346e-05	2.823467e-05	1.025962e-04	7.853024e-04
C24	2.631687e-06	6.353900e-06	4.110845e-05	6.558533e-05
C24	1.580957e-04	3.864241e-04	2.502086e-03	3.947443e-03
C24	1.183103e-06	1.243656e-06	1.655804e-04	3.044197e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.229358e-06	1.299494e-06	9.522805e-06	5.787981e-05
C24	3.272612e-06	3.437100e-06	2.316461e-05	1.745837e-04
C24	1.359905e-05	1.431661e-05	5.821331e-03	1.502075e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.162580e-05	3.702421e-05	2.070597e-02	9.980224e-02
C24	8.300911e-07	8.852055e-07	2.721259e-04	1.310863e-03
C24	1.444836e-07	1.537059e-07	1.231988e-06	9.309462e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.515226e-06	3.694404e-06	2.422119e-05	1.233332e-04
C25_33	7.429212e-05	1.016043e-04	1.046462e-02	3.195791e-02
C25	3.025627e-04	4.438186e-04	1.128045e-02	6.412378e-02
C26	4.540529e-06	5.536355e-06	2.799567e-04	6.414807e-03
C27	9.725226e-04	1.800239e-03	1.454680e-02	8.793991e-02
C27	8.720896e-06	1.122120e-05	1.758339e-03	3.026412e-02
C28_32	1.020380e-05	1.089122e-05	5.121963e-04	2.129064e-02
C29	1.535872e-04	2.956386e-04	1.358478e-03	1.191770e-02
C30	3.246597e-04	5.188712e-04	1.851724e-03	6.842975e-03
C31	5.804941e-05	6.429818e-05	4.339935e-04	1.925335e-03
E37-39	4.567418e-06	7.160696e-06	3.778760e-05	6.513994e-05
E37-39	7.499776e-05	6.981450e-05	2.076589e-04	6.739441e-04
D35	7.596702e-05	9.611627e-05	3.071553e-04	1.219734e-03
D35	6.429194e-06	7.261326e-06	3.223432e-05	2.731225e-04
D35	2.460472e-05	3.114621e-05	1.076796e-04	4.237399e-04
D35	6.874130e-06	7.760220e-06	2.424738e-05	9.754468e-05
D35	1.036517e-07	1.169662e-07	3.354760e-07	3.195201e-06
D35	2.753277e-06	3.108118e-06	9.337672e-06	3.326411e-05
D35	2.726721e-09	3.100316e-09	1.531092e-08	1.396219e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.806368e-07	3.168263e-07	9.542651e-07	2.729408e-06
D35	2.308072e-05	2.605668e-05	8.208793e-05	2.948569e-04
D35	5.668603e-05	6.398468e-05	1.987568e-04	7.284945e-04
D35	4.063949e-05	5.144926e-05	1.709436e-04	6.898257e-04
D35	2.518772e-04	3.190535e-04	1.036327e-03	4.220235e-03
E36	3.554204e-05	1.963035e-05	7.023466e-05	2.856238e-04
F	1.279680e-04	1.794549e-04	5.333205e-03	2.374992e-02
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	4.883616e-04	5.895526e-04	2.627527e-03	1.741500e-02
G47	3.799740e-05	5.003121e-05	4.842555e-04	2.509522e-03
G46	3.453539e-03	4.068898e-03	8.797310e-02	2.138677e-01
G47	1.922872e-03	2.242076e-03	6.428975e-02	1.267009e-01
I	6.593643e-03	7.604687e-03	4.630292e-01	6.831316e-01
H49	1.622309e-04	1.847361e-04	4.546157e-03	1.135027e-02
H49	5.399887e-04	6.690794e-05	1.172307e-02	2.662394e-02
H49	3.832597e-05	4.362593e-05	8.126018e-05	2.697445e-04
H50	7.095437e-04	7.889513e-04	9.616563e-04	1.662196e-03
H50	5.957600e-07	6.590911e-07	8.202449e-06	1.349449e-04
H51	1.414205e-02	1.656551e-02	7.112471e-02	3.603810e-04
H52	2.862689e-03	3.309272e-03	1.635454e-02	1.020031e-02
H53	2.580703e-05	2.863630e-05	1.782547e-02	8.841548e-02
K64	2.428134e-05	2.642087e-05	1.548279e-03	9.663577e-04
K65	9.864032e-06	9.291477e-06	6.603690e-04	1.660079e-03
K66	1.500337e-06	1.442518e-06	1.456636e-03	1.098643e-03
L68	8.434575e-04	9.750206e-04	5.874633e-02	8.977111e-02
M_N	4.553142e-05	5.289447e-05	4.811155e-04	9.535792e-04
J62_63	1.126474e-05	1.134908e-05	4.805897e-02	2.370886e-01
M_N	1.069479e-06	1.293025e-06	6.942648e-02	2.706744e-02
M_N	3.501510e-05	4.188581e-05	6.726411e-03	4.491786e-02
O84	0.000000e+00	0.000000e+00	3.442670e-10	6.358667e-11
P85	7.505575e-06	8.634747e-06	1.185807e-04	2.933361e-04
M_N	5.723448e-06	5.779896e-06	5.225197e-05	1.439181e-04
E37-39	8.071126e-08	8.488580e-08	5.194661e-07	3.125542e-06
E37-39	7.892231e-08	8.380195e-08	4.679940e-07	1.962096e-06
E37-39	4.224124e-05	4.171088e-08	1.115418e-04	1.386649e-06
E37-39	5.351063e-07	5.384941e-07	2.159994e-06	1.223975e-05
E37-39	2.330493e-08	3.328169e-08	1.319350e-07	3.507062e-07
E37-39	3.285585e-08	4.754278e-08	1.672372e-07	4.650464e-07
E37-39	4.832226e-07	5.216599e-07	2.065127e-06	1.083942e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.808006e-08	3.054352e-08	2.297390e-08	8.544191e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.576222e-06	1.431304e-06	5.167323e-06	3.387662e-05
E37-39	2.135431e-06	1.942814e-06	7.074332e-06	4.604014e-05

	E37-39	6.883829e-06	6.198741e-06	2.183972e-05	1.509702e-04
	E37-39	4.161677e-06	3.756916e-06	1.324730e-05	9.177279e-05
	E37-39	4.030169e-05	4.855285e-05	2.662469e-05	1.202054e-04
	E37-39	5.448855e-06	4.956637e-06	1.838647e-05	1.209045e-04
	E37-39	4.724966e-05	5.642551e-05	3.020842e-05	2.649045e-05
	E37-39	8.981390e-05	9.481643e-07	5.575282e-05	2.540420e-05
	R_S	1.033440e-05	1.119092e-05	3.050274e-03	4.422442e-03
	R_S	1.921641e-05	2.186947e-05	7.826284e-04	2.161251e-02
	R_S	8.279393e-06	1.272158e-05	3.045296e-04	1.141793e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CY	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.137396e-05	1.592573e-05	3.965523e-05	2.371643e-04
	A01	1.926262e-12	3.209311e-12	1.261345e-07	2.852779e-06
	A01	4.409874e-04	1.087001e-03	4.097532e-03	4.851510e-02
	A01	4.610228e-12	7.643861e-12	1.858340e-07	3.563279e-06
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.643461e-05	4.519625e-05	2.110138e-03	1.218784e-02
	A01	4.764392e-12	7.899468e-12	8.911013e-06	5.781504e-04
	A01	3.303776e-11	5.477735e-11	2.138004e-04	1.402457e-02
	A01	3.158220e-11	5.236400e-11	2.448093e-04	1.607041e-02
	A01	2.820313e-05	4.822345e-05	1.031181e-03	2.655825e-02
	A01	2.153310e-06	3.681859e-06	6.962710e-05	1.435134e-03
	A01	2.578043e-11	4.274454e-11	8.482648e-04	5.584152e-02
	A01	2.178921e-14	3.612700e-14	8.783029e-10	1.684104e-08
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	9.337903e-06	9.968965e-06	1.112814e-05	1.063101e-05
	A03	0.000000e+00	0.000000e+00	6.879672e-07	2.081104e-06
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	5.694072e-08	6.183692e-08	1.354662e-06	3.313348e-06
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.209057e-06	1.059440e-06	2.898146e-06	3.301225e-02
	B_nongas	3.646493e-04	5.671464e-04	1.903181e-03	2.457718e-03
	C10-12	4.257301e-05	6.863074e-05	8.405633e-04	1.662035e-03
	C10-12	4.661547e-04	7.843587e-04	1.030367e-02	2.030578e-02
	C10-12	1.280591e-04	1.421311e-04	3.776203e-04	8.797959e-04

C10-12	1.187106e-04	1.362944e-04	5.022390e-04	1.629378e-03
C10-12	5.431743e-10	8.064431e-10	2.340967e-04	1.295421e-03
C10-12	1.357806e-04	2.319564e-04	1.218283e-02	6.551667e-02
C10-12	1.636967e-13	2.406984e-13	6.276922e-11	1.896840e-08
C10-12	6.799918e-13	9.998550e-13	2.607417e-10	7.879423e-08
C10-12	1.955390e-03	3.342455e-03	5.468546e-02	1.474133e-01
C10-12	3.364710e-04	5.190799e-04	1.124981e-02	4.409663e-02
C10-12	1.322851e-06	1.412197e-06	3.003649e-06	2.181739e-03
C10-12	6.106654e-09	8.198453e-09	1.495591e-02	4.101923e-02
C13-15	1.109305e-03	1.417609e-03	6.473334e-03	7.798204e-03
C13-15	1.778197e-04	1.949749e-04	5.708714e-04	3.936085e-03
C13-15	4.798361e-05	5.224206e-05	4.651693e-04	2.441421e-03
C16	3.277753e-05	3.553248e-05	1.938676e-04	2.424521e-03
C16	5.998837e-06	6.503029e-06	3.466954e-05	4.281676e-04
C17	4.197143e-05	4.629877e-05	6.225060e-05	6.410554e-05
C17	2.144344e-03	2.365397e-03	3.185792e-03	3.298293e-03
C17	3.442154e-05	3.801159e-05	1.680873e-03	2.216709e-02
C18	2.552633e-05	3.194638e-05	1.348218e-02	3.836110e-02
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	1.253437e-04	1.568970e-04	3.469279e-04	7.355126e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	3.286490e-04	3.508251e-04	3.701390e-04	5.037371e-04
C20-21	6.484616e-04	7.029785e-04	1.346415e-03	3.367779e-03
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.392535e-05	1.510446e-05	3.267250e-05	8.546479e-05
C20-21	5.015346e-05	5.968698e-05	9.181587e-05	2.487249e-04
C22	1.104775e-04	1.304833e-04	6.128975e-03	6.723344e-02
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.163258e-06	2.342163e-06	4.083611e-06	2.975277e-05
C23	1.470278e-05	1.602378e-05	2.963681e-05	6.219096e-05
C23	1.308136e-04	1.671531e-04	2.841813e-04	5.265252e-04
C23	2.346240e-05	2.910214e-05	4.606640e-05	8.538486e-05
C23	7.430231e-06	8.195976e-06	1.620534e-05	3.931381e-05
C24	6.117711e-05	1.528133e-04	9.937430e-04	1.536831e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.123715e-08	3.442416e-08	7.975312e-05	1.524080e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.160440e-06	1.249541e-06	1.645965e-05	1.957427e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.281696e-07	2.459686e-07	9.555542e-04	2.454232e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.647178e-06	1.852598e-06	1.725198e-03	8.312604e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.099889e-09	2.276693e-09	1.398005e-08	3.340111e-08
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	3.579601e-04	4.512869e-04	8.039550e-03	2.144447e-02

C25	4.310346e-05	6.843698e-05	3.500793e-03	1.878957e-02
C26	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C27	1.374629e-04	2.162787e-04	1.542154e-03	8.509033e-03
C27	5.063189e-05	8.113250e-05	1.142319e-03	1.783781e-02
C28_32	1.390167e-06	1.829293e-06	4.554720e-05	3.227464e-03
C29	9.102346e-05	1.750179e-04	6.368779e-04	7.098674e-03
C30	4.461712e-05	7.155324e-05	2.262529e-04	8.802312e-04
C31	9.445343e-05	1.225039e-04	6.099588e-04	1.386303e-03
E37-39	6.156884e-06	6.956536e-06	2.284716e-05	5.621940e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	4.347625e-13	6.392717e-13	1.667089e-10	5.037822e-08
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.033196e-07	2.203597e-07	4.216426e-07	1.057602e-06
D35	1.577981e-06	1.710231e-06	3.272404e-06	8.208141e-06
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	6.746622e-13	9.920185e-13	2.586981e-10	7.817666e-08
F	7.408008e-05	8.033244e-05	1.494941e-03	9.483894e-03
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.349529e-02	1.556650e-02	3.717399e-02	2.332269e-01
G47	5.153551e-04	5.944474e-04	6.588402e-06	4.384387e-05
G46	2.138570e-02	1.883194e-02	4.358871e-02	9.987374e-02
G47	2.455388e-02	2.661698e-02	5.115040e-02	1.286254e-01
I	3.048365e-03	3.498341e-03	1.971600e-01	2.907723e-01
H49	1.988360e-04	2.264104e-04	5.803355e-03	1.419204e-02
H49	1.491493e-04	6.197164e-07	3.360380e-03	7.491640e-03
H49	6.886768e-05	7.841903e-05	9.679427e-07	8.886921e-07
H50	5.020853e-03	5.583924e-03	6.583955e-03	9.124059e-03
H50	1.856273e-06	2.113994e-06	2.167108e-05	4.503695e-04
H51	7.528744e-03	8.819519e-03	3.776069e-02	3.788125e-07
H52	3.112807e-05	3.544525e-05	4.680673e-04	4.654233e-03
H53	9.311248e-06	1.012972e-05	1.771459e-02	5.065835e-02
K64	3.162284e-06	4.229298e-06	1.847757e+00	4.386515e-01
K65	0.000000e+00	0.000000e+00	4.622325e-08	1.174462e-07
K66	6.180874e-09	8.226609e-09	1.223318e-03	7.857158e-04
L68	5.170391e-08	7.602506e-08	1.982578e-05	5.991204e-03
M_N	5.815637e-05	5.277896e-05	1.188426e-04	2.765111e-04
J62_63	1.330016e-04	1.267203e-04	2.741177e-02	1.396345e-01

M_N	2.440608e-08	4.240389e-08	4.140584e-03	1.603537e-03
M_N	4.924108e-05	5.338584e-05	1.053579e-04	1.071337e-01
O84	0.000000e+00	0.000000e+00	2.557314e-07	4.723400e-08
P85	3.915375e-07	4.294935e-07	1.530682e-06	5.272940e-06
M_N	1.879801e-05	2.031955e-05	3.377150e-05	8.110689e-05
E37-39	1.312495e-09	1.498232e-09	3.175710e-09	8.585550e-09
E37-39	3.969424e-07	4.302522e-07	8.233966e-07	2.059975e-06
E37-39	3.291388e-07	3.567238e-07	6.825500e-07	1.707352e-06
E37-39	2.342297e-06	2.758328e-06	6.150618e-06	1.531929e-05
E37-39	9.355846e-08	1.013996e-07	1.940164e-07	4.853186e-07
E37-39	1.264099e-07	1.370150e-07	2.621932e-07	6.557521e-07
E37-39	2.923762e-08	3.844273e-08	1.123497e-06	2.346858e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	4.530838e-07	5.342419e-07	1.161994e-06	7.667378e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	6.184974e-07	7.182411e-07	2.880551e-06	3.141822e-05
E37-39	1.146757e-06	1.387781e-06	3.072369e-06	1.180542e-05
E37-39	3.499272e-06	3.977627e-06	1.098075e-05	7.087599e-05
E37-39	1.861721e-06	2.110505e-06	4.379330e-06	1.103896e-05
E37-39	3.097572e-05	3.739826e-05	3.010924e-05	1.083035e-04
E37-39	1.542181e-06	1.772090e-06	3.770418e-06	1.025881e-05
E37-39	5.319224e-05	6.377773e-05	3.236601e-05	2.841245e-06
E37-39	1.089063e-04	4.727432e-07	6.185930e-05	2.367138e-06
R_S	5.045886e-07	5.479155e-07	1.767363e-03	2.548914e-03
R_S	8.350548e-05	9.050782e-05	1.778457e-04	7.301379e-02
R_S	7.315650e-05	7.929445e-05	1.552718e-04	3.859804e-04
T	0.000000e+00	0.000000e+00	1.954594e-02	3.695268e-02
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CZ A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	3.337559e-05	4.673223e-05	1.183401e-04	7.518969e-04
A01	8.022785e-04	1.145348e-03	2.013775e-02	4.507420e-03
A01	1.672929e-04	4.123646e-04	1.553674e-03	1.838988e-02
A01	5.720616e-15	1.110033e-06	2.144072e-05	2.827486e-04
A01	0.000000e+00	0.000000e+00	3.771065e-10	1.034281e-09
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	7.999348e-06	9.192136e-06	2.738234e-04	2.444871e-03
A01	2.800525e-14	4.102634e-14	1.841813e-04	6.339330e-02
A01	1.176784e-13	1.726663e-13	1.146713e-04	7.553704e-03
A01	6.077632e-14	8.915414e-14	1.335469e-04	8.798162e-03
A01	2.091132e-06	3.224791e-06	1.034234e-03	6.729914e-02
A01	6.640689e-07	7.323855e-07	7.825901e-05	5.007686e-03
A01	2.499665e-13	3.668361e-13	6.589984e-04	4.857892e-02
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	6.598296e-05	7.812480e-05	6.511588e-04	4.186474e-03

A03	2.970992e-06	3.311605e-06	3.545515e-05	4.170111e-04
B_nongas	8.443104e-05	1.095497e-04	4.792817e-04	1.316069e-03
B_nongas	2.489037e-06	3.475330e-06	2.052760e-05	1.544620e-04
B_gas	2.159735e-06	2.899072e-06	1.374314e-05	9.308332e-05
B_gas	5.355490e-07	7.229660e-07	3.515348e-06	2.421659e-05
B_nongas	1.829308e-06	1.464735e-06	1.069622e-05	3.299352e-05
B_nongas	4.786481e-09	5.926079e-09	1.429348e-08	2.964491e-08
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	1.040500e-12	3.219794e-09
B_nongas	5.881140e-13	9.874558e-13	2.481547e-08	1.420706e-07
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	5.796680e-14	1.450755e-13
B_nongas	5.743646e-09	7.093435e-09	1.624926e-08	6.384800e-08
B_nongas	3.743208e-06	1.519035e-06	6.579874e-05	2.234093e-04
B_nongas	6.942740e-06	2.881263e-06	1.210257e-04	2.303992e-02
B_nongas	3.944937e-04	6.138650e-04	2.066143e-03	2.716802e-03
C10-12	1.226595e-04	2.049823e-04	2.693598e-03	5.386953e-03
C10-12	1.549884e-04	2.244518e-04	2.300412e-03	4.765094e-03
C10-12	8.385963e-06	1.144857e-05	1.212731e-04	4.572038e-04
C10-12	7.957888e-04	1.360415e-03	1.830868e-02	3.638679e-02
C10-12	1.521865e-05	2.282361e-05	2.628772e-04	5.359308e-04
C10-12	1.039694e-04	1.659170e-04	1.229084e-02	7.155618e-02
C10-12	9.766567e-10	1.179740e-09	7.489208e-09	4.368556e-08
C10-12	1.833338e-04	3.042566e-04	5.882995e-03	1.406471e-02
C10-12	1.975962e-03	3.367684e-03	5.109058e-02	1.472319e-01
C10-12	8.541794e-04	1.447482e-03	2.176881e-02	5.290274e-02
C10-12	8.838366e-06	8.715026e-06	1.016615e-04	7.876854e-04
C10-12	1.118837e-06	1.014258e-06	1.174506e-03	3.220247e-03
C13-15	1.106260e-02	1.416497e-02	6.149690e-02	7.232567e-02
C13-15	2.162768e-04	2.691590e-04	1.963896e-03	1.738186e-02
C13-15	4.796922e-05	6.243376e-05	1.715356e-03	9.140726e-03
C16	7.506786e-05	4.825078e-05	1.586812e-03	1.520770e-02
C16	1.999146e-06	1.591787e-06	7.388425e-05	6.943415e-04
C17	5.138956e-04	5.672472e-04	1.456391e-03	3.258911e-03
C17	2.250657e-04	2.483309e-04	6.091851e-04	1.332030e-03
C17	4.995588e-05	7.194342e-05	3.746531e-02	5.187907e-01
C18	7.006456e-05	5.386299e-05	1.502687e-01	4.353573e-01
C19	8.798805e-07	1.118901e-06	6.272891e-06	5.539862e-05
C19	1.897018e-02	2.332734e-02	5.355949e-02	1.052786e-01
C24	2.843628e-08	4.207327e-08	5.017747e-07	1.789550e-02
C20-21	1.796025e-04	1.914040e-04	1.837960e-04	2.031889e-04
C20-21	5.727897e-03	6.104027e-03	5.863378e-03	6.465990e-03
C20-21	4.119649e-05	5.093415e-05	2.256283e-04	4.730412e-04
C20-21	8.958474e-05	1.103484e-04	4.346547e-04	1.056317e-03
C20-21	8.101792e-04	1.061278e-03	3.001212e-03	6.599542e-03
C22	3.598323e-04	4.958822e-04	3.488190e-02	3.771951e-01
C23	2.321872e-04	3.053787e-04	1.624232e-03	6.849475e-02
C23	2.173501e-05	2.897224e-05	1.528007e-04	6.097595e-03

C23	1.049374e-04	1.353744e-04	7.214574e-04	1.002533e-02
C23	1.694104e-05	2.196347e-05	1.196156e-04	4.692943e-04
C23	7.247080e-05	9.524424e-05	5.064802e-04	2.019826e-03
C23	1.404516e-05	1.837270e-05	9.692264e-05	3.792350e-04
C23	1.007753e-04	1.342513e-04	6.614122e-04	2.376414e-03
C24	4.063342e-03	1.012982e-02	6.572536e-02	1.024945e-01
C24	1.097471e-03	2.746701e-03	1.785444e-02	2.780478e-02
C24	1.536200e-05	1.915352e-05	2.461136e-04	1.976491e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.162603e-05	4.770635e-05	3.998158e-04	1.626502e-03
C24	4.048599e-05	5.215597e-05	7.475503e-04	3.408181e-03
C24	1.309286e-05	1.625503e-05	1.155650e-03	3.122550e-03
C24	1.082903e-05	1.346383e-05	1.089648e-03	2.926775e-03
C24	1.522679e-05	1.871786e-05	2.893742e-04	1.240703e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.329827e-07	6.634886e-07	6.308813e-06	1.434738e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.016967e-04	1.166157e-04	9.813033e-04	3.561268e-03
C25_33	7.112949e-04	1.237257e-03	4.129926e-02	1.203193e-01
C25	8.647684e-04	1.621297e-03	4.747873e-02	2.573148e-01
C26	1.332296e-04	2.437246e-04	8.931593e-03	8.019832e-01
C27	6.020768e-03	1.133971e-02	9.227029e-02	5.482906e-01
C27	2.837377e-04	4.959020e-04	3.696807e-02	7.025667e-01
C28_32	9.373778e-05	1.405494e-04	3.655435e-03	1.465522e-01
C29	1.759407e-02	3.574801e-02	1.333814e-01	1.520654e+00
C30	1.527764e-03	2.479468e-03	8.870267e-03	3.134777e-02
C31	1.561416e-04	2.147984e-04	1.728092e-03	7.838454e-03
E37-39	2.317649e-05	4.824460e-05	3.464672e-04	7.230180e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.769499e-05	1.660804e-05	3.053769e-04	1.115860e-03
D35	1.208271e-04	1.877674e-04	6.370254e-04	8.357533e-04
D35	1.001211e-05	6.532237e-06	1.889399e-04	5.919327e-04
D35	7.534023e-07	4.915352e-07	1.421754e-05	4.452122e-05
D35	3.869386e-08	2.151609e-08	7.943334e-07	2.497929e-06
D35	2.767946e-08	1.770558e-08	5.306342e-07	1.663357e-06
D35	5.794601e-07	3.780397e-07	1.093512e-05	3.424202e-05
D35	2.168289e-10	2.081546e-10	3.074862e-09	1.651669e-08
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.549418e-06	1.010870e-06	2.923925e-05	9.156607e-05
D35	7.659475e-06	4.997191e-06	1.445451e-04	4.528475e-04
D35	2.127674e-05	2.690091e-05	3.527176e-04	1.386878e-03
D35	7.805437e-06	9.662781e-06	1.214408e-04	5.238051e-04
D35	3.170747e-05	4.088894e-05	5.536888e-04	1.777847e-03
E36	7.156787e-05	2.813936e-05	8.342019e-05	2.023566e-04
F	2.060012e-04	2.633092e-04	4.416238e-03	3.080796e-02
F	2.464850e-07	2.783679e-07	3.772796e-06	2.523286e-05

G45	6.415051e-04	7.230263e-04	1.327289e-02	1.713295e-02
G47	3.664407e-05	3.853804e-05	1.652443e-03	1.223544e-03
G46	3.057496e-03	3.177236e-03	2.465454e-02	1.708977e-01
G47	1.177024e-03	1.233067e-03	2.033199e-02	7.227554e-02
I	2.274582e-03	2.621202e-03	1.594431e-01	2.356582e-01
H49	2.797811e-03	3.196692e-03	8.160403e-02	2.028276e-01
H49	4.048198e-03	1.821136e-04	9.225692e-02	2.144092e-01
H49	3.748999e-04	4.280570e-04	2.298551e-04	1.296656e-03
H50	2.231973e-04	2.482457e-04	3.639524e-04	5.126049e-04
H50	2.691611e-07	2.943643e-07	1.459560e-06	1.124361e-05
H51	1.049157e-01	1.229090e-01	5.263754e-01	3.594371e-03
H52	3.366912e-02	3.924129e-02	1.858661e-01	1.104828e-01
H53	2.382843e-05	3.186468e-05	5.891252e-03	2.797720e-02
K64	3.566423e-07	4.772638e-07	2.074472e-01	4.995417e-02
K65	4.028565e-07	4.366197e-07	9.357821e-07	2.344750e-06
K66	9.250533e-06	1.003881e-05	1.042033e-02	6.728258e-03
L68	7.465341e-05	7.592650e-05	4.056273e-03	1.494679e-02
M_N	1.159453e-05	1.507673e-05	2.112715e-04	1.262355e-03
J62_63	1.077165e-05	1.322301e-05	2.316945e-02	1.234104e-01
M_N	2.385224e-05	3.007296e-05	2.637452e-02	1.283469e-02
M_N	1.414689e-04	1.629822e-04	1.885687e-02	3.267602e-01
O84	4.534901e-05	3.940979e-05	4.343180e-03	6.596952e-03
P85	1.295745e-04	1.491580e-04	1.101595e-02	1.976918e-02
M_N	9.431634e-05	1.094280e-04	2.147159e-03	3.538250e-03
E37-39	9.165421e-07	1.101609e-06	1.069908e-05	1.489382e-04
E37-39	7.624629e-07	9.311939e-07	9.067506e-06	3.430303e-05
E37-39	1.190701e-04	2.258161e-07	3.160589e-04	2.254568e-05
E37-39	1.558369e-06	2.030881e-06	1.450956e-05	2.023648e-04
E37-39	1.446029e-07	1.749210e-07	1.786322e-06	2.352651e-05
E37-39	2.049997e-07	2.545550e-07	2.413633e-06	3.154357e-05
E37-39	1.720070e-06	2.553641e-06	1.382904e-05	1.738183e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	7.299964e-06	9.161820e-06	6.676838e-05	8.781838e-04
E37-39	1.616434e-06	2.250978e-06	1.144811e-05	1.519731e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.346693e-06	2.781050e-06	2.302508e-05	3.304448e-04
E37-39	4.943192e-06	5.916423e-06	4.321015e-05	6.307238e-04
E37-39	6.504611e-06	7.682627e-06	5.955221e-05	9.447328e-04
E37-39	4.483975e-06	5.324307e-06	4.103218e-05	5.940053e-04
E37-39	8.730626e-05	1.054035e-04	6.012166e-05	3.176107e-04
E37-39	3.844933e-06	4.787144e-06	2.934540e-05	4.152838e-04
E37-39	1.849672e-04	2.218252e-04	1.174893e-04	1.226252e-04
E37-39	4.410402e-04	1.391799e-06	2.579789e-04	1.622949e-04
R_S	1.626083e-05	1.803457e-05	1.314038e-03	2.149033e-03
R_S	4.806849e-05	5.096042e-05	4.629051e-03	5.256730e-02
R_S	4.532002e-06	5.189774e-06	2.282073e-04	4.849436e-04
T	0.000000e+00	0.000000e+00	6.499469e-03	1.228761e-02

	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
DE	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.057157e-01	1.480223e-01	3.682288e-01	2.196437e+00
	A01	5.040621e-02	7.196084e-02	1.267545e+00	3.482473e-01
	A01	1.904713e-03	4.694977e-03	1.769155e-02	2.093894e-01
	A01	3.273950e-11	4.911344e-04	9.487937e-03	1.251127e-01
	A01	4.704347e-12	7.015156e-12	3.808373e-07	1.950402e-06
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.598295e-05	7.696705e-05	4.139101e-02	1.135908e+00
	A01	8.502168e-11	1.267849e-10	3.205340e-03	1.172490e+00
	A01	1.501469e-10	2.239001e-10	2.655763e-03	1.742421e-01
	A01	3.511850e-11	5.236896e-11	3.175544e-04	2.074006e-02
	A01	2.759122e-05	3.860557e-05	9.041791e-04	4.011772e-02
	A01	1.018833e-05	1.372320e-05	2.183541e-04	3.876660e-03
	A01	1.348603e-10	2.011046e-10	8.699045e-03	5.724938e-01
	A01	2.152121e-13	3.209258e-13	1.742235e-08	8.922598e-08
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	1.684301e-08	2.789091e-08	7.162033e-04	1.294293e-02
	A03	0.000000e+00	0.000000e+00	1.938914e-09	5.865223e-09
	B_nongas	8.826242e-04	6.081511e-04	3.962703e-02	2.848046e-03
	B_nongas	1.856713e-04	2.201055e-04	5.161465e-04	1.130348e-03
	B_gas	1.131067e-03	1.402073e-03	3.409861e-03	7.560562e-03
	B_gas	5.913955e-07	6.991910e-07	1.857331e-06	5.088809e-06
	B_nongas	1.263817e-06	1.200365e-06	3.047364e-05	9.176220e-05
	B_nongas	1.250524e-06	1.180065e-06	6.984074e-06	2.846649e-04
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	8.947916e-06	9.584210e-06	1.202485e-05	2.235937e-04
	B_nongas	6.948097e-09	6.548533e-09	9.591769e-07	5.472709e-06
	B_nongas	1.369744e-04	1.469951e-04	2.185917e-04	2.411863e-02
	B_nongas	1.393970e-04	1.498822e-04	2.444099e-04	6.357034e-02
	B_nongas	8.638971e-03	1.342501e-02	4.504223e-02	5.973791e-02
	C10-12	1.696813e-03	2.818557e-03	3.629740e-02	7.217549e-02
	C10-12	2.625071e-03	4.479953e-03	6.019496e-02	1.187300e-01
	C10-12	1.595195e-04	2.695790e-04	4.642822e-03	1.063439e-02
	C10-12	1.796820e-02	3.070647e-02	4.130412e-01	8.151683e-01
	C10-12	2.440749e-03	4.126500e-03	5.821094e-02	1.274077e-01
	C10-12	7.464747e-04	1.270778e-03	1.325422e-01	7.875610e-01
	C10-12	2.490425e-05	4.253997e-05	5.915136e-04	1.274062e-03
	C10-12	1.601903e-03	2.675140e-03	1.022623e-01	2.821557e-01
	C10-12	3.729349e-02	6.376036e-02	9.590133e-01	2.232004e+00
	C10-12	1.165187e-02	1.983162e-02	3.494892e-01	1.029275e+00
	C10-12	1.003970e-05	1.140463e-05	9.863768e-04	3.715754e-02
	C10-12	1.159256e-04	1.239064e-04	2.254533e-01	6.187652e-01
	C13-15	1.143677e-01	1.465348e-01	6.318795e-01	6.999553e-01

C13-15	3.246194e-04	3.178076e-04	1.554338e-02	2.835131e-01
C13-15	1.360664e-06	1.278798e-05	2.080201e-02	1.252835e-01
C16	1.431533e-04	1.750516e-04	2.592922e-02	4.683253e-01
C16	1.382040e-04	1.508569e-04	4.742209e-03	8.379813e-02
C17	3.398128e-03	3.749340e-03	5.469495e-03	7.451795e-03
C17	1.465633e-02	1.618062e-02	2.369298e-02	3.448317e-02
C17	5.947630e-04	8.810156e-04	4.351853e-01	6.141598e+00
C18	2.571335e-04	1.918744e-04	7.836561e-01	2.264352e+00
C19	2.612546e-04	2.717659e-04	6.328985e-04	1.215762e-03
C19	1.175154e-01	1.458399e-01	3.484404e-01	7.481476e-01
C24	1.753182e-06	1.863499e-06	3.161401e-04	1.197194e-02
C20-21	5.122873e-01	5.473996e-01	6.631045e-01	1.072233e+00
C20-21	7.421760e-02	7.931112e-02	9.525483e-02	1.523147e-01
C20-21	4.728003e-06	4.920765e-06	1.617952e-04	3.327859e-04
C20-21	2.021988e-05	2.665300e-05	1.043541e-03	3.563224e-03
C20-21	2.908350e-03	5.019808e-03	1.598694e-02	4.195246e-02
C22	6.392800e-03	8.415756e-03	4.957998e-01	5.250130e+00
C23	1.579459e-04	2.124660e-04	1.119776e-03	1.283379e-01
C23	1.315265e-04	1.557711e-04	4.890901e-04	4.567169e-02
C23	1.275936e-04	1.723140e-04	1.055253e-03	9.563108e-02
C23	1.424090e-04	1.677665e-04	9.520954e-04	2.592210e-03
C23	2.770071e-04	4.157136e-04	2.680786e-03	1.602516e-02
C23	1.709734e-04	2.001740e-04	6.015047e-04	2.934570e-03
C23	4.403613e-04	6.411499e-04	2.385198e-03	7.632729e-03
C24	1.003725e-02	2.365002e-02	1.529305e-01	2.622952e-01
C24	3.901254e-03	9.198964e-03	5.942502e-02	1.006765e-01
C24	2.040248e-04	2.312063e-04	1.647611e-02	3.048073e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.601504e-04	1.926289e-04	1.417260e-03	1.488472e-02
C24	1.507051e-04	1.923823e-04	1.976075e-03	2.200831e-02
C24	1.365809e-04	1.546527e-04	7.787665e-02	2.006688e-01
C24	7.516575e-05	8.174782e-05	2.437184e-02	6.289732e-02
C24	4.414684e-04	5.638746e-04	5.078980e-02	2.431747e-01
C24	9.162306e-07	9.967922e-07	4.265207e-05	2.027604e-04
C24	3.526950e-05	4.519286e-05	2.993284e-04	1.380254e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.965384e-04	7.312652e-04	3.760860e-03	1.506939e-02
C25_33	3.062724e-03	4.617380e-03	5.505500e-01	1.455029e+00
C25	1.253523e-02	2.115316e-02	1.063747e+00	6.069228e+00
C26	3.001982e-04	4.758271e-04	1.318689e-02	6.437926e-01
C27	7.702304e-02	1.447650e-01	1.167563e+00	7.018128e+00
C27	6.159763e-04	1.146865e-03	1.655260e-01	2.834412e+00
C28_32	2.645273e-03	4.274813e-03	7.740445e-02	3.469687e+00
C29	1.265197e-01	2.461538e-01	1.042407e+00	9.887852e+00
C30	1.624423e-01	2.606171e-01	8.253616e-01	2.397307e+00
C31	7.449963e-04	9.184958e-04	6.775635e-03	4.524470e-02
E37-39	5.499492e-06	1.029840e-05	6.792651e-04	1.219915e-02
E37-39	5.258754e-06	3.466574e-06	4.082073e-03	3.684217e-02

D35	1.513864e-04	2.643427e-04	4.382026e-03	4.982808e-02
D35	3.755329e-05	5.906204e-05	1.251542e-03	1.484008e-02
D35	4.622976e-05	6.767565e-05	1.381535e-03	1.614233e-02
D35	3.356519e-05	3.325149e-05	2.780179e-04	2.874658e-03
D35	1.505426e-05	2.071073e-05	3.984051e-04	4.446404e-03
D35	3.432974e-06	5.551612e-06	1.199673e-04	1.397081e-03
D35	9.461198e-06	1.230965e-05	2.587668e-04	3.034264e-03
D35	4.258467e-06	4.345402e-06	3.346747e-05	3.308274e-04
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.777232e-05	1.782678e-05	1.521521e-04	1.451581e-03
D35	1.049906e-04	1.692153e-04	2.787413e-03	3.153978e-02
D35	3.199295e-04	5.267959e-04	9.072757e-03	1.003755e-01
D35	1.568012e-04	2.364136e-04	4.043675e-03	4.494737e-02
D35	5.587367e-05	4.844736e-05	8.456233e-04	9.252292e-03
E36	1.222041e-03	6.174630e-04	6.183489e-03	3.255402e-02
F	8.141118e-04	1.335314e-03	1.885445e-01	1.279944e+00
F	6.805420e-06	7.718960e-06	4.197297e-04	2.797153e-03
G45	9.665150e-02	1.114939e-01	2.698904e-01	1.702671e+00
G47	1.075052e-03	1.240430e-03	1.753464e-04	2.036326e-03
G46	1.962010e-01	1.737411e-01	5.154944e-01	1.604394e+00
G47	1.224866e-01	1.321225e-01	3.059447e-01	9.591630e-01
I	6.617318e-03	7.638865e-03	4.677783e-01	6.987162e-01
H49	4.674247e-03	5.328793e-03	1.337583e-01	3.321117e-01
H49	7.548992e-03	1.472110e-03	1.474185e-01	3.425150e-01
H49	1.266716e-03	1.442313e-03	2.862744e-04	1.282707e-03
H50	2.226739e-01	2.483320e-01	3.015469e-01	4.364754e-01
H50	1.181425e-04	1.405586e-04	7.521883e-04	1.087955e-02
H51	2.168591e+00	2.540415e+00	1.089257e+01	8.519119e-02
H52	3.290239e-03	3.306052e-03	7.057325e-02	4.481216e-01
H53	5.208369e-04	9.843953e-04	2.728034e-01	1.092985e+00
K64	2.752350e-05	3.681916e-05	1.605309e+01	3.832260e+00
K65	4.455523e-08	6.637738e-08	3.360371e-03	1.755824e-02
K66	2.699197e-06	3.598021e-06	5.302476e-01	3.528987e-01
L68	1.034602e-06	1.521364e-06	7.557592e-04	1.212159e-01
M_N	1.527109e-07	2.320117e-07	2.354131e-05	1.232828e-04
J62_63	3.249756e-05	3.481891e-05	1.067803e+00	5.328328e+00
M_N	6.638570e-06	1.065557e-05	9.951922e-01	4.084733e-01
M_N	3.783135e-06	5.563207e-06	8.264153e-02	6.692039e+00
O84	5.799561e-08	8.565780e-08	4.385263e-03	2.258189e-02
P85	1.846589e-07	3.015182e-07	3.635962e-03	1.839292e-02
M_N	1.224098e-06	1.307423e-06	3.050715e-03	2.037636e-02
E37-39	6.082735e-06	1.152997e-05	9.158867e-05	6.825026e-04
E37-39	9.175157e-06	1.683613e-05	1.082056e-04	7.162908e-04
E37-39	2.329853e-02	2.028856e-05	6.154967e-02	3.259284e-04
E37-39	4.036845e-05	7.317210e-05	2.607771e-04	2.644652e-03
E37-39	1.501784e-06	2.693926e-06	1.616147e-05	1.033793e-04

	E37-39	7.737436e-06	1.399658e-05	7.342323e-05	4.192041e-04
	E37-39	4.601848e-05	8.905753e-05	1.927832e-04	1.305396e-03
	E37-39	1.174589e-07	2.204069e-07	8.194442e-06	7.035191e-05
	E37-39	1.729397e-08	3.245177e-08	1.161497e-06	1.005954e-05
	E37-39	2.944647e-05	4.736418e-05	1.885844e-04	1.514049e-03
	E37-39	2.806713e-05	4.766108e-05	8.009930e-05	8.392586e-04
	E37-39	9.794099e-07	1.310417e-06	2.618729e-06	2.337505e-05
	E37-39	4.424751e-06	6.801444e-06	4.248590e-05	3.661198e-04
	E37-39	3.062398e-05	5.191609e-05	3.250448e-04	2.186599e-03
	E37-39	5.183083e-08	8.262313e-08	1.145647e-06	4.508782e-05
	E37-39	1.930762e-07	3.015558e-07	2.899944e-06	3.350322e-05
	E37-39	2.018488e-04	2.437322e-04	1.300057e-04	5.770043e-04
	E37-39	8.541845e-06	1.275547e-05	3.898817e-05	4.674589e-04
	E37-39	5.420295e-06	6.505169e-06	3.554437e-06	2.721414e-05
	E37-39	1.876021e-04	1.928068e-07	1.066595e-04	1.167355e-05
	R_S	1.351794e-07	2.003593e-07	9.010033e-02	1.309034e-01
	R_S	2.748204e-05	3.179884e-05	1.658189e-03	2.126297e+00
	R_S	1.037871e-06	1.536457e-06	5.239222e-04	1.956617e-03
	T	0.000000e+00	0.000000e+00	1.126548e+00	2.129801e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
DK	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	2.023204e-10	6.318638e-04	1.777397e-02
	A01	6.523158e-03	9.312582e-03	1.638663e-01	4.032298e-02
	A01	1.028053e-03	2.534074e-03	9.547630e-03	1.130098e-01
	A01	0.000000e+00	8.682293e-05	1.676813e-03	2.211507e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.553720e-03	2.660695e-03	5.419665e-02	2.925721e-01
	A01	0.000000e+00	0.000000e+00	1.108981e-10	1.546684e-09
	A01	0.000000e+00	0.000000e+00	1.767325e-03	1.164454e-01
	A01	0.000000e+00	0.000000e+00	1.938701e-04	1.277362e-02
	A01	1.619534e-03	2.769155e-03	3.760272e-02	1.033710e-01
	A01	3.376441e-05	5.773183e-05	7.824470e-04	2.040873e-03
	A01	0.000000e+00	0.000000e+00	1.335432e-03	8.798829e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	5.341028e-11	1.096462e-09	3.173152e-03	8.921176e-02
	A03	1.135811e-09	1.652785e-09	3.367566e-07	1.747027e-06
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	4.289381e-08	6.228365e-08	2.657795e-05	1.597863e-04
	B_gas	1.489114e-10	2.234296e-10	6.683477e-06	5.452561e-05
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.187681e-07	2.030175e-07	3.779911e-06	8.268639e-05
B_nongas	2.236309e-06	3.822865e-06	7.101255e-05	2.797375e-03
B_nongas	1.251018e-04	1.948178e-04	6.598642e-04	8.651374e-04
C10-12	3.494121e-03	5.974314e-03	8.043640e-02	1.611683e-01
C10-12	9.624039e-04	1.637695e-03	2.202487e-02	4.906639e-02
C10-12	7.283981e-05	1.230189e-04	1.699959e-03	6.513084e-03
C10-12	1.660136e-02	2.838602e-02	3.822313e-01	7.623574e-01
C10-12	1.826218e-03	3.122352e-03	4.248502e-02	8.639075e-02
C10-12	5.263150e-04	8.998237e-04	8.578075e-02	5.131103e-01
C10-12	1.159183e-11	2.556384e-11	3.547276e-06	2.683013e-05
C10-12	9.157842e-04	1.564755e-03	2.237587e-02	4.626426e-02
C10-12	2.587098e-02	4.422508e-02	6.135083e-01	1.316944e+00
C10-12	2.956249e-03	5.050767e-03	8.002291e-02	2.079747e-01
C10-12	1.615534e-05	1.745158e-05	9.699957e-04	9.300911e-02
C10-12	6.682119e-05	1.142515e-04	1.569019e-02	4.605262e-02
C13-15	8.991217e-03	1.153446e-02	5.061725e-02	5.881637e-02
C13-15	1.071797e-04	1.351862e-04	1.251113e-03	1.236555e-02
C13-15	5.376770e-08	3.278742e-07	5.026761e-04	3.005587e-03
C16	1.519061e-05	2.349159e-05	9.466419e-04	8.062224e-03
C16	1.392234e-05	2.152788e-05	8.741370e-04	7.442747e-03
C17	1.950114e-06	2.042774e-06	2.918430e-05	9.759809e-05
C17	8.012554e-06	9.137406e-06	1.330647e-04	4.480334e-04
C17	3.336351e-05	4.924462e-05	1.160708e-02	1.594215e-01
C18	2.064839e-05	2.295528e-05	3.463544e-02	1.325856e-01
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	3.086485e-02	3.841296e-02	9.961764e-02	2.260311e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	6.901118e-04	7.585371e-04	2.535572e-03	1.277635e-02
C20-21	2.223032e-03	2.468915e-03	1.428324e-02	7.271396e-02
C20-21	2.188328e-06	3.286790e-06	6.969059e-05	4.000589e-04
C20-21	8.195012e-06	1.230860e-05	2.650492e-04	1.582380e-03
C20-21	3.245405e-04	5.172916e-04	1.562965e-03	8.570170e-03
C22	2.130934e-04	2.885265e-04	1.808194e-02	1.874405e-01
C23	3.656629e-05	4.999156e-05	2.498813e-04	4.957754e-03
C23	1.495276e-05	2.043929e-05	1.039211e-04	1.933503e-03
C23	2.798676e-05	3.777605e-05	1.842492e-04	8.230681e-03
C23	9.830246e-05	1.342198e-04	6.809279e-04	3.211415e-03
C23	5.241691e-05	7.348908e-05	3.430231e-04	1.624928e-03
C23	1.335626e-05	1.873963e-05	8.662692e-05	4.117238e-04
C23	8.269266e-05	1.145530e-04	5.428395e-04	2.444135e-03
C24	2.739485e-04	6.576464e-04	6.124924e-03	1.502324e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.140633e-06	1.808032e-06	1.193765e-02	2.282983e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.866162e-06	1.007617e-05	3.919983e-04	1.675323e-03

C24	2.006486e-05	3.129640e-05	1.355162e-03	5.819164e-03
C24	5.219935e-06	7.554299e-06	5.822115e-04	1.850781e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.799059e-06	5.717868e-06	3.153964e-04	1.437844e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.294983e-05	3.688251e-06	1.374813e-04	8.313897e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	3.672380e-04	5.811772e-04	5.422909e-02	1.605761e-01
C25	2.963927e-04	4.645802e-04	5.555634e-02	3.057574e-01
C26	1.087158e-05	1.580262e-05	7.256292e-04	1.194738e-02
C27	1.662200e-03	3.141207e-03	2.720842e-02	1.616260e-01
C27	1.610274e-05	2.561491e-05	6.252007e-03	1.149418e-01
C28_32	1.129920e-04	1.734283e-04	5.919074e-03	1.388022e-01
C29	5.416874e-04	1.065828e-03	4.502598e-03	4.523593e-02
C30	1.603532e-03	2.574165e-03	8.554863e-03	2.828099e-02
C31	6.488302e-04	8.300978e-04	3.759599e-03	9.725776e-03
E37-39	3.759876e-11	5.703820e-11	2.507851e-07	1.284974e-06
E37-39	1.628828e-07	2.429923e-07	1.289745e-02	6.605243e-02
D35	2.213258e-10	3.305114e-10	1.656836e-05	8.485269e-05
D35	5.401618e-11	8.054932e-11	4.372844e-06	2.239487e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.638592e-10	2.489478e-10	2.938462e-08	1.534060e-07
D35	7.744141e-11	1.156452e-10	5.797232e-06	2.968977e-05
D35	1.196845e-11	1.787279e-11	8.959534e-07	4.588508e-06
D35	2.443741e-11	3.649301e-11	1.829375e-06	9.368905e-06
D35	1.959353e-14	2.921801e-14	1.586181e-09	8.123390e-09
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	9.502302e-11	1.416990e-10	7.692525e-06	3.939612e-05
D35	5.243953e-10	7.830927e-10	3.925602e-05	2.010446e-04
D35	5.410130e-10	8.079084e-10	4.050001e-05	2.074155e-04
D35	4.805130e-10	7.165444e-10	3.889961e-05	1.992186e-04
E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
F	9.386872e-04	1.760965e-03	4.032392e-02	3.220517e-01
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	2.070074e-02	2.387784e-02	5.951336e-02	3.707057e-01
G47	3.194830e-05	3.685285e-05	2.186089e-05	1.145758e-04
G46	5.034785e-02	4.433521e-02	1.116659e-01	3.406260e-01
G47	2.371405e-02	2.570153e-02	5.166145e-02	1.401190e-01
I	1.260592e-03	1.454066e-03	8.896110e-02	1.392347e-01
H49	6.875488e-04	7.828985e-04	2.010348e-02	4.924956e-02
H49	5.409891e-03	2.250011e-05	1.221574e-01	2.730691e-01
H49	2.252684e-03	2.565112e-03	8.174865e-05	2.799794e-04
H50	4.108160e-02	4.568937e-02	5.751889e-02	9.343736e-02
H50	1.821115e-04	2.073991e-04	2.166286e-03	4.438666e-02

H51	3.305771e-02	3.872534e-02	1.659841e-01	9.315273e-04
H52	7.617336e-04	8.673764e-04	1.266692e-02	1.171072e-01
H53	2.510392e-06	3.658697e-06	1.055793e-01	3.135904e-01
K64	1.165524e-05	1.559567e-05	6.774637e+00	1.638007e+00
K65	1.659482e-08	2.474631e-08	1.344314e-03	6.882404e-03
K66	4.971074e-07	6.666734e-07	9.471249e-02	7.222481e-02
L68	3.496778e-07	5.141877e-07	1.968595e-02	7.707798e-02
M_N	4.000286e-07	6.480763e-07	4.201760e-04	2.875560e-03
J62_63	5.869401e-06	1.012003e-05	1.819581e-01	9.324692e-01
M_N	2.510081e-07	4.341817e-07	4.291893e-02	2.421064e-02
M_N	1.962263e-06	2.858215e-06	5.062157e-03	1.344417e+00
O84	6.290449e-09	9.383126e-09	1.987339e-02	3.921856e-02
P85	5.227410e-08	8.767205e-08	1.946627e-05	1.493869e-05
M_N	3.489312e-07	5.490338e-07	1.353859e-02	2.623565e-02
E37-39	9.836981e-06	1.868538e-05	7.027714e-05	2.361307e-04
E37-39	1.109526e-05	2.025785e-05	6.618518e-05	2.116235e-04
E37-39	7.485545e-03	5.873361e-06	1.976446e-02	2.611051e-05
E37-39	4.824581e-06	8.741913e-06	1.201875e-05	3.873717e-05
E37-39	2.701216e-06	4.811773e-06	1.641101e-05	5.067606e-05
E37-39	4.302339e-06	7.748088e-06	2.337589e-05	7.575788e-05
E37-39	2.700022e-05	5.236288e-05	5.747244e-05	2.296832e-04
E37-39	3.906251e-12	5.869121e-12	1.893588e-07	1.043460e-06
E37-39	5.444384e-13	8.180157e-13	2.639210e-08	1.351671e-07
E37-39	2.053455e-05	3.219711e-05	5.134038e-05	1.008376e-04
E37-39	3.149001e-06	5.323658e-06	2.681652e-06	1.361043e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.165819e-06	2.930721e-06	1.599525e-06	1.447938e-05
E37-39	8.191828e-06	1.134726e-05	4.968731e-06	4.460970e-05
E37-39	3.177558e-08	4.295048e-08	5.024261e-08	2.856408e-07
E37-39	2.392731e-08	3.291841e-08	4.206278e-08	2.077719e-07
E37-39	1.261171e-06	1.522803e-06	8.077178e-07	3.569989e-06
E37-39	2.372092e-05	3.452280e-05	2.235730e-05	9.019671e-05
E37-39	8.989302e-06	1.078192e-05	5.327938e-06	5.178114e-08
E37-39	1.695982e-05	1.182742e-08	9.532978e-06	6.008441e-08
R_S	1.103353e-07	1.636825e-07	6.460191e-02	9.828751e-02
R_S	2.675418e-07	3.583217e-07	1.370063e-03	1.610673e+00
R_S	9.085431e-08	1.345064e-07	1.918781e-05	6.064372e-05
T	0.000000e+00	0.000000e+00	3.133621e-02	5.924283e-02
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
EE A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	6.517706e-11	7.543383e-11	6.858338e-07	1.914353e-05
A01	1.641562e-02	2.343524e-02	4.120203e-01	9.157269e-02
A01	1.490997e-04	3.675193e-04	1.426813e-03	1.664387e-02
A01	6.402673e-12	9.744849e-12	1.886282e-07	3.614703e-06
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	6.098909e-13	1.011213e-12	2.458414e-08	4.713892e-07
A01	2.385770e-07	3.369548e-07	3.489984e-05	8.440328e-04
A01	5.781305e-11	6.670521e-11	5.627870e-09	4.197989e-03

A01	1.396468e-10	1.614613e-10	4.035628e-08	6.005039e-07
A01	7.397079e-11	8.552330e-11	2.116721e-08	3.140653e-07
A01	1.144532e-07	1.129651e-07	8.079837e-07	9.283982e-06
A01	2.115989e-07	2.167085e-07	1.760795e-06	3.870976e-05
A01	7.059068e-10	8.149112e-10	1.029723e-07	8.632497e-04
A01	2.495257e-12	2.878263e-12	1.800506e-10	3.391901e-10
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	3.770564e-07	5.597016e-07	3.195282e-05	3.489145e-04
A03	2.445018e-07	4.458007e-07	7.018733e-06	8.801276e-05
B_nongas	3.107594e-04	1.841375e-04	1.665863e-02	1.371437e-04
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	9.535456e-05	1.147334e-04	2.864632e-04	5.663945e-04
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	8.605270e-07	6.148949e-07	1.913405e-06	6.436225e-06
B_nongas	1.987697e-07	2.256666e-07	8.188532e-07	2.337543e-06
B_nongas	2.448392e-07	2.876023e-07	8.918704e-07	2.393985e-06
C10-12	3.297290e-07	4.446678e-07	5.001382e-06	9.946457e-06
C10-12	6.433840e-07	7.019183e-07	3.505709e-06	9.763099e-06
C10-12	5.827916e-08	5.960030e-08	3.553436e-07	9.681708e-07
C10-12	2.659359e-05	4.545080e-05	6.120544e-04	1.213159e-03
C10-12	2.480592e-07	4.209628e-07	2.408187e-04	1.312826e-03
C10-12	1.473937e-06	1.806320e-06	4.783941e-04	3.082610e-03
C10-12	1.911250e-08	3.090177e-08	3.945231e-07	7.800236e-07
C10-12	1.601484e-09	5.648019e-10	7.588131e-09	1.388072e-07
C10-12	1.342741e-05	2.252698e-05	5.401450e-04	2.162794e-03
C10-12	2.010169e-05	3.423026e-05	2.198260e-03	1.138893e-02
C10-12	5.224908e-07	5.063967e-07	2.617102e-06	3.639026e-04
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	1.015708e-03	1.300763e-03	5.613296e-03	6.050637e-03
C13-15	3.659079e-05	4.654448e-05	2.371910e-04	8.711673e-04
C13-15	5.851115e-06	7.677232e-06	4.632065e-05	1.268269e-04
C16	5.460985e-07	4.674908e-07	8.908067e-04	1.699568e-02
C16	5.504618e-07	5.425502e-07	4.946136e-04	9.426860e-03
C17	3.448398e-04	3.793772e-04	5.302951e-04	5.772846e-04
C17	3.606914e-05	3.974559e-05	5.474565e-05	5.832790e-05
C17	2.151069e-05	3.303228e-05	2.182683e-02	3.095277e-01
C18	2.505911e-05	2.199973e-05	4.779135e-02	1.400662e-01
C19	1.682604e-07	1.425369e-07	5.799099e-06	2.213427e-06
C19	1.898411e-02	2.287334e-02	7.007899e-02	2.159957e-01

C24	1.497156e-09	1.267373e-09	4.091087e-08	2.452433e-09
C20-21	1.587675e-04	1.059897e-04	1.453544e-04	2.557463e-04
C20-21	4.078046e-04	4.558156e-04	7.851259e-04	1.719851e-03
C20-21	1.161987e-06	1.421831e-06	1.079498e-05	2.385411e-05
C20-21	2.186858e-04	2.787892e-04	9.338451e-04	2.475569e-03
C20-21	8.616861e-05	1.156557e-04	2.473962e-04	7.264270e-04
C22	1.432387e-05	1.622178e-05	1.510266e-03	1.777777e-02
C23	4.085931e-07	4.297322e-07	2.713377e-06	4.262660e-04
C23	3.403092e-08	3.737049e-08	3.345346e-07	1.813656e-05
C23	7.523558e-08	7.505596e-08	2.450290e-07	2.509532e-04
C23	2.723667e-08	2.763451e-08	1.950558e-07	1.390160e-06
C23	8.673373e-07	1.126476e-06	9.981845e-06	7.855914e-05
C23	5.974379e-07	7.071733e-07	4.859059e-06	2.702420e-05
C23	3.639767e-07	4.209251e-07	2.437329e-06	1.052521e-05
C24	1.166716e-04	2.936098e-04	1.912068e-03	2.964608e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.889329e-08	1.728622e-08	9.032837e-07	3.386900e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.148919e-08	3.831318e-08	2.148338e-06	2.638273e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.280742e-08	1.176598e-08	4.763389e-07	1.991473e-06
C24	5.162196e-09	4.727407e-09	2.256972e-07	8.530775e-07
C24	2.904651e-08	2.665501e-08	1.834131e-06	7.900070e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.554382e-08	3.273894e-08	1.080033e-06	4.981006e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.853089e-09	5.379248e-09	2.010709e-07	8.421584e-07
C25_33	9.793952e-06	1.466413e-05	1.355624e-03	3.701231e-03
C25	8.578399e-06	1.445366e-05	9.474755e-04	5.033298e-03
C26	7.471602e-07	1.169249e-06	4.620670e-05	3.412590e-03
C27	6.394405e-04	1.207895e-03	9.870632e-03	6.143455e-02
C27	7.147098e-05	1.366077e-04	8.007150e-03	1.389006e-01
C28_32	2.659670e-06	4.032915e-06	1.305385e-04	5.590360e-03
C29	4.459081e-05	9.102968e-05	3.954882e-04	4.135388e-03
C30	5.928412e-04	9.507418e-04	2.944443e-03	8.269561e-03
C31	1.155564e-05	1.346941e-05	6.373021e-05	3.729005e-04
E37-39	2.550485e-07	2.285300e-07	1.255506e-06	4.714804e-06
E37-39	3.736060e-07	3.355525e-07	8.976248e-05	1.022722e-03
D35	3.205093e-06	3.291656e-06	3.937928e-05	1.701156e-04
D35	7.373440e-08	7.539447e-08	8.544230e-07	3.651202e-06
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.305151e-09	3.870392e-09	3.736861e-08	2.124149e-07
D35	9.237376e-09	1.358212e-08	2.430432e-07	9.639441e-07
D35	2.880448e-09	4.571690e-09	5.967006e-08	3.273866e-07
D35	3.728098e-09	5.186960e-09	4.761147e-08	2.546434e-07
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	6.085258e-08	6.275840e-08	7.380701e-07	3.148693e-06
D35	1.406119e-06	1.445989e-06	1.634194e-05	7.032338e-05
D35	1.009654e-06	1.040892e-06	1.173628e-05	5.052089e-05
D35	6.443750e-07	6.658819e-07	7.227137e-06	3.103002e-05
D35	5.357620e-06	5.751878e-06	4.499143e-05	1.891391e-04
E36	2.208561e-07	1.340134e-07	6.827258e-07	3.620247e-06
F	6.598533e-04	7.918248e-04	1.965824e-03	3.567517e-03
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	5.196313e-05	5.958736e-05	1.638856e-04	1.005021e-03
G47	5.778308e-06	6.487313e-06	6.511433e-06	3.586562e-05
G46	1.473954e-04	1.552406e-04	4.854831e-03	7.213138e-02
G47	8.311208e-05	8.825098e-05	3.413017e-04	2.081588e-03
I	2.516904e-05	2.884536e-05	1.664794e-03	2.699651e-03
H49	8.255696e-06	9.300151e-06	2.209483e-04	5.473798e-04
H49	2.145612e-05	2.885732e-06	4.307607e-04	9.879179e-04
H49	2.650742e-05	3.017615e-05	7.384350e-07	2.159163e-06
H50	2.107678e-04	2.344047e-04	2.769528e-04	3.961671e-04
H50	1.363787e-06	1.509003e-06	8.263482e-06	1.415164e-04
H51	1.249237e-03	1.463413e-03	6.266085e-03	6.074993e-06
H52	1.008256e-05	9.094247e-06	9.633822e-05	7.745973e-04
H53	3.662225e-07	4.440834e-07	1.153447e-02	3.033726e-02
K64	2.539873e-08	3.058335e-08	4.262925e-03	1.371634e-03
K65	2.349254e-10	3.503234e-10	1.901337e-05	9.737390e-05
K66	4.301290e-07	4.674390e-07	1.003896e-03	6.665333e-04
L68	1.991919e-06	1.423391e-06	9.097991e-06	2.978994e-04
M_N	1.668700e-06	2.156891e-06	2.283982e-05	2.439791e-04
J62_63	3.568095e-06	6.043674e-06	3.679709e-03	1.848729e-02
M_N	3.769486e-08	6.168528e-08	5.472627e-03	2.123397e-03
M_N	3.738526e-06	2.025554e-06	1.113116e-04	1.961534e-03
O84	4.330938e-08	3.510250e-08	1.685758e-04	6.506230e-04
P85	3.866369e-06	4.513714e-06	8.693190e-05	1.485922e-04
M_N	8.527399e-08	1.101287e-07	2.168376e-05	6.709398e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.547507e-06	8.252020e-09	6.721900e-06	4.130206e-08
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.794799e-08	3.040377e-08	8.638686e-08	2.763627e-07
E37-39	1.056514e-07	1.912669e-07	2.213268e-07	8.879365e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	5.049909e-08	7.275298e-08	1.189760e-07	2.666662e-07
E37-39	1.649307e-07	2.505889e-07	1.842089e-07	8.738419e-07
E37-39	3.795371e-07	5.074730e-07	9.384219e-07	1.404454e-06
E37-39	4.648723e-08	5.642330e-08	4.385599e-08	2.935868e-07
E37-39	8.459595e-08	1.033753e-07	8.632567e-08	5.238184e-07
E37-39	1.066482e-07	1.271133e-07	1.147523e-07	5.835154e-07

	E37-39	7.298294e-08	8.764655e-08	9.066749e-08	4.001023e-07
	E37-39	3.457746e-05	4.174963e-05	2.209016e-05	9.759211e-05
	E37-39	1.901257e-07	2.648709e-07	1.902532e-07	7.613946e-07
	E37-39	4.067328e-05	4.878258e-05	2.409120e-05	1.592739e-07
	E37-39	7.654441e-05	5.888532e-08	4.300652e-05	1.825776e-07
	R_S	1.009798e-07	1.096523e-07	2.420686e-04	3.403300e-04
	R_S	3.460488e-07	3.800630e-07	1.644216e-05	6.470336e-03
	R_S	5.604715e-07	5.946810e-07	1.366156e-06	3.692941e-06
	T	0.000000e+00	0.000000e+00	2.066474e-04	3.906783e-04
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
ES	A01	1.964953e-13	2.927567e-13	1.515269e-08	9.906011e-08
	A01	7.382698e-05	1.033721e-04	7.948223e-04	1.670073e-02
	A01	1.091033e-03	1.557580e-03	2.864028e-02	4.148286e-02
	A01	1.072658e-02	2.644021e-02	1.017208e-01	1.191922e+00
	A01	2.650167e-11	1.735615e-04	3.352341e-03	4.426138e-02
	A01	2.773045e-12	4.064127e-12	1.384971e-08	5.986546e-06
	A01	1.742639e-12	2.551086e-12	1.234284e-10	3.959169e-06
	A01	4.974037e-06	6.695765e-06	6.641338e-02	1.861375e+00
	A01	1.614664e-11	2.367628e-11	1.318135e-03	6.320646e+00
	A01	4.722740e-11	6.926898e-11	3.167162e-03	2.087457e-01
	A01	1.815274e-11	2.666890e-11	2.610496e-03	1.720128e-01
	A01	4.004518e-06	4.906932e-06	1.701922e-03	1.953803e-01
	A01	1.719248e-06	1.842863e-06	1.129398e-04	2.781836e-02
	A01	4.045457e-11	5.932022e-11	5.114516e-03	9.651874e-01
	A01	3.707756e-15	5.427896e-15	1.778087e-05	8.419317e-09
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	3.384344e-05	5.272659e-05	1.897792e-02	5.275672e-01
	A03	6.215646e-05	1.062745e-04	2.980751e-03	1.425521e-02
	B_nongas	2.422732e-04	4.621646e-04	3.576742e-03	4.744711e-03
	B_nongas	2.820937e-05	3.505113e-05	1.006429e-04	2.417986e-04
	B_gas	2.879260e-06	3.568108e-06	1.019968e-05	2.454607e-05
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.020134e-04	1.263236e-04	3.592380e-04	9.483178e-04
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.760740e-05	2.245818e-05	6.921554e-05	2.449478e-04
	B_nongas	6.310831e-07	9.693675e-07	4.751318e-06	1.868281e-05
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	8.009371e-07	1.225988e-06	5.984566e-06	5.741403e-03
	B_nongas	7.327789e-05	7.781938e-05	1.279014e-04	6.183233e-01
	B_nongas	1.021918e-04	1.084846e-04	1.987904e-04	1.033554e-01
	B_nongas	4.574633e-02	7.122011e-02	2.388600e-01	3.082548e-01
	C10-12	1.296841e-03	2.176237e-03	2.848312e-02	5.770264e-02
	C10-12	1.457405e-03	2.415134e-03	3.099050e-02	6.238487e-02
	C10-12	2.783123e-04	3.898329e-04	4.196280e-03	9.333042e-03
	C10-12	3.500766e-04	5.380002e-04	6.071307e-03	7.768661e-02

C10-12	1.690101e-03	2.838610e-03	7.371939e-02	2.755371e-01
C10-12	4.626955e-04	5.467174e-04	1.387473e-02	7.952564e-02
C10-12	5.849843e-04	9.946597e-04	1.381668e-02	3.021375e-02
C10-12	6.245844e-04	1.054959e-03	1.440811e-02	2.896941e-02
C10-12	4.106847e-02	6.956941e-02	9.444504e-01	1.962195e+00
C10-12	1.701767e-02	2.886783e-02	4.076698e-01	8.988459e-01
C10-12	4.595067e-04	4.913334e-04	7.553078e-04	1.576063e-01
C10-12	1.611922e-06	1.684438e-06	6.312342e-04	1.804165e-03
C13-15	1.019497e-01	1.301631e-01	5.612007e-01	7.114118e-01
C13-15	1.675698e-03	1.793200e-03	5.930486e-02	1.047124e+00
C13-15	3.539277e-05	7.150302e-05	3.263012e-02	1.974753e-01
C16	3.748683e-04	4.289645e-04	9.154668e-03	1.217950e-01
C16	1.384769e-04	1.588936e-04	3.116763e-03	4.086350e-02
C17	2.806966e-03	3.096507e-03	4.239532e-03	4.639265e-03
C17	1.167443e-02	1.287917e-02	1.752708e-02	1.883900e-02
C17	6.691626e-04	8.444006e-04	2.361264e-01	3.270703e+00
C18	5.884899e-04	6.578026e-04	3.058899e-01	9.508414e-01
C19	1.183538e-05	1.175255e-05	1.313209e-02	1.624302e-02
C19	2.096157e-01	2.619754e-01	6.134926e-01	1.377584e+00
C24	4.838178e-05	3.564936e-05	4.588853e-04	1.140227e-03
C20-21	2.638918e-01	2.816755e-01	2.911034e-01	4.020489e-01
C20-21	5.393965e-02	5.754625e-02	5.865419e-02	8.009295e-02
C20-21	8.505923e-07	1.034049e-06	9.219621e-05	1.964019e-04
C20-21	8.845526e-06	1.149991e-05	9.722594e-04	3.641351e-03
C20-21	1.097522e-03	1.718278e-03	3.595167e-03	1.704401e-02
C22	3.518521e-03	4.430313e-03	9.595675e-02	9.288042e-01
C23	3.460219e-04	3.845960e-04	9.363026e-04	6.135102e-02
C23	1.766596e-04	1.978410e-04	5.047714e-04	2.988953e-02
C23	9.466265e-04	1.041533e-03	2.648983e-03	3.108071e-01
C23	2.601427e-04	2.903112e-04	2.518733e-03	2.423910e-03
C23	3.258476e-03	3.680528e-03	1.019329e-02	3.772017e-02
C23	2.047413e-03	2.296465e-03	6.085659e-03	2.278788e-02
C23	1.034768e-03	1.254104e-03	3.309974e-03	7.848482e-03
C24	4.360600e-03	9.964637e-03	6.256855e-02	1.020665e-01
C24	1.165711e-02	2.681071e-02	1.696204e-01	2.799100e-01
C24	2.534401e-05	3.008671e-05	2.182921e-04	1.982129e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.009074e-04	4.750823e-04	1.976994e-03	1.030259e-02
C24	2.352716e-04	2.768479e-04	1.166248e-03	6.020219e-03
C24	1.111768e-04	1.306242e-04	2.403441e-01	6.176050e-01
C24	4.327627e-05	5.074840e-05	7.909031e-02	2.032732e-01
C24	4.606712e-04	5.448116e-04	8.464980e-02	4.062720e-01
C24	8.832028e-11	1.193471e-10	3.953957e-06	1.913849e-05
C24	1.377765e-05	1.657496e-05	6.821275e-05	8.919858e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.253045e-04	5.062607e-04	2.056916e-03	6.449178e-03
C25_33	6.025061e-03	1.045064e-02	3.358792e-01	1.071855e+00
C25	8.169716e-03	1.497488e-02	2.990044e-01	1.714571e+00

C26	6.249691e-06	1.155357e-05	9.573356e-04	4.457072e-02
C27	2.955646e-02	5.546863e-02	4.458006e-01	2.598286e+00
C27	5.583975e-04	9.042675e-04	1.935743e-02	2.883050e-01
C28_32	4.291052e-04	4.935616e-04	8.530190e-03	1.943529e-01
C29	2.216113e-02	4.487048e-02	1.689590e-01	1.928310e+00
C30	4.427607e-02	7.108388e-02	2.252227e-01	6.965038e-01
C31	2.825032e-03	3.774665e-03	2.180067e-02	6.249681e-02
E37-39	1.222692e-09	2.092558e-09	1.893778e-04	2.786756e-04
E37-39	5.101936e-05	4.492644e-05	1.039561e-04	2.381754e-04
D35	4.626270e-05	7.126582e-05	8.230080e-04	4.281952e-03
D35	1.170505e-04	1.928489e-04	1.986295e-03	1.066173e-02
D35	2.927753e-05	4.526036e-05	5.170433e-04	2.644302e-03
D35	1.245375e-05	1.935672e-05	2.263718e-04	1.175948e-03
D35	1.178794e-05	1.803236e-05	2.118073e-04	1.047234e-03
D35	2.073955e-05	3.192115e-05	3.646057e-04	1.868270e-03
D35	1.568458e-06	2.404107e-06	2.833996e-05	1.433846e-04
D35	2.098539e-07	3.209856e-07	3.845304e-06	1.958271e-05
D35	2.989909e-09	4.703804e-09	5.642630e-08	2.838924e-07
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	8.081732e-07	1.253553e-06	1.428846e-05	7.378061e-05
D35	1.081847e-05	1.672369e-05	1.927407e-04	9.901668e-04
D35	2.850584e-04	4.823302e-04	4.781799e-03	2.646227e-02
D35	1.863589e-04	3.102558e-04	3.166448e-03	1.691755e-02
D35	2.467124e-06	3.856712e-06	4.611367e-05	2.301466e-04
E36	3.557619e-05	1.575758e-05	1.174665e-04	1.359875e-03
F	1.763191e-04	2.577041e-04	8.089844e-03	5.991904e-02
F	1.086053e-06	1.514919e-06	2.033618e-05	1.286228e-04
G45	3.473118e-03	4.010865e-03	1.026714e-02	6.273222e-02
G47	7.422063e-05	8.646866e-05	1.955650e-04	6.922014e-04
G46	8.067299e-03	7.929426e-03	6.431649e-02	9.175341e-01
G47	9.545809e-03	1.286653e-02	1.188896e-01	3.676303e-01
I	8.655570e-03	9.984024e-03	6.098330e-01	9.117315e-01
H49	2.204542e-03	2.514644e-03	6.406031e-02	1.574944e-01
H49	1.698744e-02	3.768759e-04	3.801936e-01	8.553627e-01
H49	3.307361e-03	3.768730e-03	3.032890e-04	2.046358e-03
H50	6.127343e-03	6.814810e-03	8.165174e-03	1.143324e-02
H50	3.647345e-06	4.157939e-06	4.407807e-05	8.791750e-04
H51	8.835820e-02	1.038948e-01	4.491258e-01	5.977990e-02
H52	3.277252e-03	3.711897e-03	4.961617e-02	4.755936e-01
H53	7.783837e-05	7.748997e-05	2.599510e-02	6.717545e-02
K64	1.269545e-06	1.684783e-06	7.206855e-01	1.741370e-01
K65	1.487895e-08	1.064167e-08	2.857970e-04	2.315812e-03
K66	1.768838e-07	2.326380e-07	3.425919e-02	2.206098e-02
L68	5.257916e-08	7.739521e-08	8.447677e-05	6.151174e-03
M_N	9.328752e-06	8.550991e-06	5.856732e-04	2.885988e-03
J62_63	1.103802e-05	1.184752e-05	3.108983e-02	1.339146e-01
M_N	3.582272e-07	5.917778e-07	5.605897e-02	2.366552e-02

M_N	1.184033e-05	1.194813e-05	1.223716e-02	4.523867e-01
O84	3.185576e-04	3.197351e-04	3.301772e-02	3.095417e-01
P85	3.860968e-05	3.723542e-05	2.696216e-03	4.904607e-03
M_N	1.805929e-04	1.925469e-04	2.158538e-03	4.475917e-03
E37-39	5.588573e-08	1.060773e-07	8.163231e-07	9.320214e-06
E37-39	7.000753e-08	1.277624e-07	7.588424e-07	7.664611e-06
E37-39	1.285732e-04	1.008902e-07	3.395558e-04	2.049462e-06
E37-39	2.174137e-07	3.938753e-07	9.314842e-07	1.333958e-05
E37-39	2.277053e-08	4.055155e-08	1.996505e-07	1.667081e-06
E37-39	3.544717e-08	6.382223e-08	2.791552e-07	2.152193e-06
E37-39	6.859248e-07	1.330139e-06	2.031011e-06	1.841849e-05
E37-39	2.034457e-10	1.984248e-10	9.019437e-07	1.852641e-04
E37-39	2.684154e-11	2.545238e-11	1.254679e-07	2.241589e-05
E37-39	4.127094e-07	6.470191e-07	1.668602e-06	5.938737e-05
E37-39	1.375970e-06	2.326043e-06	2.164315e-06	3.218976e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.966465e-07	2.660331e-07	7.607875e-07	6.956603e-06
E37-39	5.846875e-07	8.097760e-07	1.578132e-06	1.732720e-05
E37-39	7.594808e-07	1.026360e-06	2.620339e-06	3.043345e-05
E37-39	5.962938e-07	8.201992e-07	2.054131e-06	3.501327e-05
E37-39	1.206330e-04	1.456586e-04	7.740859e-05	3.452716e-04
E37-39	2.007388e-06	2.921221e-06	4.247895e-06	6.203562e-05
E37-39	1.224548e-04	1.468742e-04	7.280943e-05	4.874334e-06
E37-39	3.264344e-04	2.276865e-07	1.837940e-04	6.370520e-06
R_S	2.911470e-06	3.434239e-06	2.069887e-03	3.519926e-03
R_S	3.704668e-06	4.129932e-06	1.691629e-03	1.828883e-01
R_S	8.094655e-05	8.832905e-05	4.400813e-04	1.842168e-03
T	0.000000e+00	0.000000e+00	3.911492e-02	7.394892e-02
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
FI	A01	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.177663e-07	3.712604e-07	1.171790e-05
	A01	3.271029e-04	4.667151e-04	8.224302e-03
	A01	5.138314e-07	6.003318e-07	1.846324e-05
	A01	7.455434e-08	8.710511e-08	2.678922e-06
	A01	6.030708e-08	7.045941e-08	2.166983e-06
	A01	0.000000e+00	0.000000e+00	0.000000e+00
	A01	4.646783e-07	5.422485e-07	6.434688e-05
	A01	4.479475e-07	5.233568e-07	2.188719e-05
	A01	6.641101e-07	7.759090e-07	2.714624e-05
	A01	3.549571e-07	4.147120e-07	1.431065e-05
	A01	5.822936e-07	6.724730e-07	7.978383e-05
	A01	8.379302e-07	9.666011e-07	7.923435e-06
	A01	1.709961e-06	1.997822e-06	7.056146e-05
	A01	1.059709e-11	1.811958e-11	2.438863e-10
	A01	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00
	A02	7.938655e-10	1.173716e-09	1.717047e-04
	A03	0.000000e+00	0.000000e+00	2.115715e-10

B_nongas	4.377528e-06	4.877618e-06	6.307781e-03	1.538009e-02
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	2.287706e-05	4.515239e-05	6.347388e-04	1.433656e-03
B_nongas	4.760444e-07	9.400497e-07	1.322262e-05	2.965933e-05
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	8.700199e-07	1.716895e-06	2.410076e-05	5.628446e-05
B_nongas	4.902443e-07	9.678241e-07	1.360600e-05	3.053300e-05
B_nongas	9.953602e-07	1.961573e-06	2.750196e-05	6.164136e-05
B_nongas	6.372193e-10	1.328995e-09	8.109904e-09	1.399362e-04
B_nongas	2.460661e-05	5.232994e-05	8.259976e-04	2.234649e-03
B_nongas	1.003488e-03	1.569597e-03	5.572378e-03	7.791079e-03
C10-12	1.663499e-05	1.981180e-05	1.441820e-04	8.231379e-04
C10-12	2.136957e-05	3.328724e-05	3.911053e-04	8.534644e-04
C10-12	8.777443e-06	8.421249e-06	2.502624e-05	1.182543e-04
C10-12	1.196266e-04	2.044367e-04	2.750365e-03	5.420431e-03
C10-12	1.854870e-05	3.026558e-05	4.526722e-04	1.135684e-03
C10-12	4.386728e-05	5.011028e-05	9.297920e-03	6.002985e-02
C10-12	0.000000e+00	0.000000e+00	2.081599e-15	1.155407e-14
C10-12	2.089989e-05	3.289310e-05	7.817567e-04	2.018647e-03
C10-12	4.081094e-04	6.653045e-04	1.522507e-02	5.833136e-02
C10-12	1.068241e-04	1.714375e-04	1.407840e-02	7.623181e-02
C10-12	3.956852e-05	3.990125e-05	1.205363e-04	3.064008e-04
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	3.073946e-03	3.927312e-03	1.679820e-02	1.851333e-02
C13-15	7.865666e-05	9.433638e-05	5.176499e-04	3.855835e-03
C13-15	1.596411e-05	1.697729e-05	3.477046e-04	2.140055e-03
C16	1.377444e-05	1.737125e-05	4.366284e-02	8.326900e-01
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	4.313526e-01	4.758560e-01	6.344868e-01	6.390142e-01
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	8.911897e-04	1.067065e-03	2.229599e-01	3.152680e+00
C18	1.894959e-03	2.057179e-03	2.764536e-01	7.991051e-01
C19	1.215671e-05	1.261790e-05	1.699767e-05	4.403491e-05
C19	1.671065e-03	2.076785e-03	4.804327e-03	1.034985e-02
C24	2.585308e-07	2.683415e-07	3.614360e-07	3.798243e-05
C20-21	2.786514e-02	2.971255e-02	2.975027e-02	4.430650e-02
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	9.067790e-07	9.138983e-07	2.920094e-06	1.248065e-05
C20-21	2.039685e-05	2.055695e-05	6.650264e-05	2.839711e-04
C20-21	1.436777e-04	1.957584e-04	3.807825e-04	1.896801e-03
C22	1.899117e-03	2.113812e-03	8.305456e-03	6.569052e-02
C23	3.741415e-05	5.414594e-05	2.171776e-04	2.890673e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	7.516820e-06	9.778686e-06	3.599058e-05	9.806003e-04

C23	2.452700e-06	3.160085e-06	1.318741e-05	2.506746e-05
C23	7.427621e-05	1.051886e-04	4.060187e-04	8.991961e-04
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	5.345101e-05	7.220842e-05	2.562329e-04	4.787608e-04
C24	1.719953e-03	3.157099e-03	1.610378e-02	2.686538e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.165926e-06	9.667380e-06	1.269329e-05	3.363557e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.814857e-05	5.072319e-05	6.885570e-05	2.496803e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.185232e-04	1.264286e-04	3.871758e-02	9.953541e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.293382e-06	6.174093e-06	2.295937e-03	1.130160e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.766358e-06	5.052484e-06	6.966353e-05	2.858172e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.423425e-05	8.873618e-05	1.168164e-04	3.087719e-04
C25_33	2.505104e-04	4.269199e-04	1.623177e-02	5.102576e-02
C25	2.542232e-03	4.461726e-03	7.670502e-02	4.349289e-01
C26	7.801588e-07	1.733113e-06	4.257406e-04	9.037490e-03
C27	4.080858e-03	7.701450e-03	6.182581e-02	3.621768e-01
C27	1.357486e-04	2.424919e-04	3.031358e-02	3.361849e-01
C28_32	2.023016e-04	2.290763e-04	1.861591e-03	6.609808e-02
C29	2.765886e-04	5.122282e-04	3.731757e-03	2.630769e-02
C30	1.354146e-03	2.202731e-03	8.336519e-03	3.168816e-02
C31	1.763071e-04	2.276709e-04	1.492611e-03	6.842115e-03
E37-39	1.917580e-06	4.529985e-06	1.026206e-04	3.478470e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.197094e-08	1.276286e-08	5.292055e-05	1.023088e-03
D35	3.720236e-06	7.030838e-06	1.164764e-04	1.567138e-03
D35	2.987013e-06	5.643906e-06	1.067808e-04	1.585237e-03
D35	1.976684e-06	3.734846e-06	7.085260e-05	1.049660e-03
D35	9.179449e-08	1.737820e-07	1.960906e-06	1.947618e-05
D35	7.520627e-08	1.421897e-07	2.499327e-06	3.444403e-05
D35	2.034737e-06	3.851438e-06	4.577314e-05	4.913410e-04
D35	8.903642e-09	1.685998e-08	1.477223e-07	1.039085e-06
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.941077e-07	3.669967e-07	4.933656e-06	5.920919e-05
D35	2.498054e-06	4.726503e-06	5.465264e-05	5.717299e-04
D35	1.063535e-05	2.012619e-05	2.455447e-04	2.726988e-03
D35	4.627557e-08	8.747429e-08	1.516167e-06	2.078251e-05
D35	3.412643e-06	6.428252e-06	1.497678e-04	2.364685e-03
E36	2.105421e-09	2.893141e-09	6.037102e-05	8.441533e-04
F	3.035037e-05	4.074474e-05	9.113717e-03	6.195508e-02
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	5.920770e-03	6.828304e-03	1.638716e-02	1.031434e-01

G47	9.028018e-05	1.039323e-04	1.987433e-05	1.557059e-04
G46	1.299150e-02	1.144003e-02	2.829905e-02	8.087758e-02
G47	8.197292e-03	8.986383e-03	2.053663e-02	6.897443e-02
I	2.435308e-04	2.806422e-04	1.708215e-02	2.538493e-02
H49	4.690924e-04	5.340262e-04	1.364123e-02	3.376075e-02
H49	7.425378e-04	9.444791e-06	1.670430e-02	3.791515e-02
H49	2.619746e-04	2.982800e-04	1.253698e-05	6.202338e-05
H50	1.025780e-03	1.132481e-03	2.482605e-03	3.921679e-03
H50	6.304918e-06	6.554230e-06	2.789847e-05	1.800832e-04
H51	6.358071e-03	7.447574e-03	3.188702e-02	1.097149e-05
H52	2.631545e-04	2.967800e-04	3.957643e-03	3.814777e-02
H53	1.045222e-05	1.973372e-05	1.379766e-02	3.902559e-02
K64	9.203481e-07	1.231161e-06	5.368805e-01	1.281359e-01
K65	2.240259e-09	3.337876e-09	1.705420e-04	8.886082e-04
K66	6.630272e-08	8.825589e-08	1.311649e-02	8.443522e-03
L68	2.030108e-06	2.058610e-06	3.565011e-05	6.046158e-03
M_N	3.827430e-06	7.235048e-06	1.077971e-04	1.116860e-03
J62_63	4.184220e-05	5.234345e-05	1.063872e-01	3.573702e-01
M_N	1.078365e-06	2.019566e-06	1.882317e-02	1.074312e-02
M_N	3.493554e-05	4.852735e-05	9.838147e-03	1.872580e-01
O84	4.790776e-06	5.518457e-06	4.623288e-04	3.417046e-03
P85	4.065018e-08	5.400877e-08	1.010035e-04	5.081166e-04
M_N	4.850901e-06	4.582900e-06	5.644431e-05	2.702023e-04
E37-39	4.475721e-08	8.501407e-08	4.115239e-07	2.310937e-06
E37-39	5.687407e-08	1.038398e-07	4.046159e-07	1.980139e-06
E37-39	1.016559e-04	7.976228e-08	2.684102e-04	4.219867e-07
E37-39	3.334709e-06	6.042266e-06	1.166362e-05	6.988501e-05
E37-39	2.364809e-08	4.212498e-08	1.513017e-07	5.827862e-07
E37-39	1.073768e-07	1.933735e-07	6.487172e-07	2.816269e-06
E37-39	4.820381e-06	9.348367e-06	1.162643e-05	5.882568e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.128209e-06	1.768973e-06	2.711232e-06	5.229683e-06
E37-39	3.768105e-07	6.370287e-07	4.663281e-07	3.444746e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.584281e-07	2.143802e-07	2.449235e-07	2.895248e-06
E37-39	4.860372e-07	6.732551e-07	5.715518e-07	6.438063e-06
E37-39	1.092855e-06	1.477191e-06	2.089477e-06	2.196944e-05
E37-39	8.054910e-07	1.108166e-06	2.150996e-06	2.102868e-05
E37-39	2.230133e-04	2.692779e-04	1.426414e-04	6.315621e-04
E37-39	4.887962e-06	7.113795e-06	8.865482e-06	7.057109e-05
E37-39	1.769476e-04	2.122338e-04	1.048713e-04	1.636538e-06
E37-39	5.349932e-04	3.730926e-07	3.006079e-04	1.966901e-06
R_S	7.678168e-07	8.909142e-07	1.048017e-02	1.659268e-02
R_S	9.273325e-06	1.660724e-05	3.290016e-04	1.697180e-01
R_S	3.378668e-08	5.004233e-08	2.469169e-05	1.347286e-04
T	0.000000e+00	0.000000e+00	1.483421e-02	2.804490e-02
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

FR	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	7.125785e-02	9.977466e-02	2.500073e-01	1.531277e+00
	A01	9.118166e-02	1.301726e-01	2.289097e+00	5.228432e-01
	A01	8.687646e-03	2.141300e-02	2.814577e-01	2.164560e+00
	A01	0.000000e+00	2.827071e-04	5.459928e-03	7.200962e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.940397e-04	3.504990e-04	4.403578e-02	8.704982e-01
	A01	0.000000e+00	0.000000e+00	3.836216e-03	1.113087e+00
	A01	0.000000e+00	0.000000e+00	7.514238e-04	4.950941e-02
	A01	0.000000e+00	0.000000e+00	7.527417e-04	4.957224e-02
	A01	1.581970e-04	2.704946e-04	8.869618e-03	4.083026e-01
	A01	9.204624e-06	1.573863e-05	3.169460e-04	1.407805e-02
	A01	0.000000e+00	0.000000e+00	1.943605e-03	2.351834e-01
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0.000000e+00	0.000000e+00	4.318164e-05	5.918737e-07
	A03	0.000000e+00	0.000000e+00	3.313269e-07	1.002265e-06
	B_nongas	1.846419e-04	3.959595e-04	7.635351e-04	1.365385e-03
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	0.000000e+00	1.322219e-07	1.826268e-02
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	1.606495e-05
	B_nongas	0.000000e+00	0.000000e+00	9.734685e-08	1.308264e-01
	B_nongas	0.000000e+00	0.000000e+00	2.011436e-07	6.166868e-02
	B_nongas	1.044267e-02	1.625924e-02	5.458176e-02	7.041602e-02
	C10-12	1.117847e-03	1.911376e-03	2.574646e-02	6.598875e-02
	C10-12	2.642018e-03	4.517490e-03	6.080470e-02	1.196890e-01
	C10-12	1.292827e-04	2.209964e-04	1.110698e-01	3.823367e-01
	C10-12	2.812668e-04	4.809411e-04	6.481353e-03	6.330982e-02
	C10-12	9.020395e-04	1.542363e-03	2.249380e-02	5.045734e-02
	C10-12	9.582860e-04	1.638439e-03	1.683737e-01	1.001880e+00
	C10-12	6.608637e-05	1.129990e-04	1.757684e-03	4.784459e-03
	C10-12	1.947221e-03	3.328298e-03	2.359000e-01	6.932973e-01
	C10-12	4.241004e-02	7.251487e-02	1.170252e+00	2.940638e+00
	C10-12	1.778984e-02	3.041735e-02	7.733319e-01	2.998605e+00
	C10-12	2.922918e-08	3.897200e-08	3.050845e-06	3.186102e-02
	C10-12	1.731522e-09	2.324644e-09	4.240698e-03	1.163087e-02
	C13-15	8.408243e-02	1.076996e-01	4.622477e-01	4.911170e-01
	C13-15	3.437377e-04	2.317819e-04	3.034773e-02	5.978161e-01

C13-15	2.669609e-06	2.927068e-05	4.798138e-02	2.875519e-01
C16	5.345400e-08	8.862792e-08	2.154681e-03	4.131499e-02
C16	3.290566e-08	5.455832e-08	1.326397e-03	2.543303e-02
C17	5.443601e-03	6.005275e-03	8.004170e-03	8.025037e-03
C17	8.461566e-03	9.334635e-03	1.244173e-02	1.247416e-02
C17	1.613973e-04	2.549558e-04	1.715549e-01	2.434681e+00
C18	1.604680e-04	9.733981e-05	6.525307e-01	1.851795e+00
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	1.905280e-01	2.380094e-01	5.768100e-01	1.339143e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	9.890574e-03
C20-21	2.657151e-01	2.831369e-01	2.709426e-01	2.982797e-01
C20-21	1.338599e-02	1.426366e-02	1.364934e-02	1.502651e-02
C20-21	0.000000e+00	0.000000e+00	2.377931e-04	4.243566e-04
C20-21	0.000000e+00	0.000000e+00	1.668577e-04	5.904783e-04
C20-21	3.253358e-03	5.255768e-03	5.232302e-03	1.119780e-02
C22	6.898526e-06	9.549725e-06	1.628765e-01	1.869349e+00
C23	1.010031e-06	3.719175e-06	2.509642e-05	1.309165e-01
C23	4.419855e-07	1.627496e-06	1.098209e-05	5.728854e-02
C23	3.788438e-06	3.795047e-06	4.652906e-06	2.327421e-02
C23	2.511456e-08	3.699246e-08	3.170026e-04	3.483344e-06
C23	4.895660e-06	9.323867e-06	1.104017e-05	7.053501e-06
C23	1.075080e-06	2.047509e-06	2.424406e-06	1.548939e-06
C23	4.997397e-05	7.742219e-05	2.171844e-04	2.093336e-05
C24	7.663611e-03	1.929699e-02	1.251877e-01	1.927078e-01
C24	3.430388e-03	8.637725e-03	5.603656e-02	8.625991e-02
C24	1.322528e-09	2.524980e-09	7.680771e-04	1.472424e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.971363e-08	1.530365e-07	1.964039e-04	6.713004e-03
C24	5.161692e-08	8.804984e-08	1.130014e-04	3.862340e-03
C24	1.605919e-09	2.674164e-09	3.780728e-03	9.711337e-03
C24	2.997935e-10	4.992140e-10	7.057878e-04	1.812916e-03
C24	2.114148e-07	3.706623e-07	1.754683e-02	8.493350e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.557305e-08	3.535170e-08	2.385639e-06	1.488491e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	2.622052e-04	1.723241e-04	2.039910e-01	4.757098e-01
C25	8.784101e-04	1.275179e-03	2.579820e-01	1.369138e+00
C26	2.363821e-05	5.633294e-05	2.758332e-03	2.644963e-01
C27	3.447628e-02	6.528467e-02	5.230750e-01	3.067115e+00
C27	1.194698e-06	1.766360e-06	1.683322e-01	3.236172e+00
C28_32	2.869009e-04	2.298624e-04	2.365805e-02	1.849761e+00
C29	2.157725e-02	4.430449e-02	1.517593e-01	1.883236e+00
C30	2.357347e-01	3.780630e-01	1.170764e+00	3.287895e+00
C31	6.751752e-04	7.704794e-04	5.448611e-04	1.717114e-03
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.153385e-05	2.904201e-05	2.152449e-04	4.199399e-04
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	3.996143e-04	5.215756e-04
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
F	4.450223e-06	5.913720e-06	8.330952e-02	5.639327e-01
F	2.930238e-09	3.893874e-09	5.485493e-05	3.713200e-04
G45	1.174780e-01	1.355081e-01	3.236034e-01	2.030167e+00
G47	1.714893e-03	1.978080e-03	2.167685e-05	7.134426e-05
G46	3.026555e-01	2.665110e-01	6.166690e-01	1.408672e+00
G47	2.108969e-01	2.285720e-01	4.373463e-01	1.093992e+00
I	3.585921e-02	4.136261e-02	2.527379e+00	3.719869e+00
H49	1.811825e-02	2.063088e-02	5.288100e-01	1.292871e+00
H49	3.303668e-02	1.372609e-04	7.443250e-01	1.658871e+00
H49	2.052407e-02	2.337058e-02	2.881760e-04	1.765834e-04
H50	1.985826e-01	2.208529e-01	2.604056e-01	3.608518e-01
H50	5.171477e-05	5.889472e-05	6.037429e-04	1.254654e-02
H51	6.545043e-01	7.667166e-01	3.282690e+00	0.000000e+00
H52	5.212486e-03	5.935350e-03	7.831378e-02	7.588073e-01
H53	4.125604e-06	6.057895e-06	8.592156e-01	2.250521e+00
K64	5.320255e-05	7.115411e-05	3.108683e+01	7.379913e+00
K65	0.000000e+00	0.000000e+00	5.434230e-06	1.380755e-05
K66	5.779939e-06	7.692974e-06	1.143965e+00	7.347487e-01
L68	1.808501e-06	2.659207e-06	6.934665e-04	2.095605e-01
M_N	2.388890e-07	3.629505e-07	9.924836e-06	5.508855e-05
J62_63	1.863576e-05	2.778978e-05	1.508646e+00	7.726306e+00
M_N	1.449067e-04	2.699763e-04	1.016783e+00	4.768859e-01
M_N	3.471500e-06	5.082003e-06	2.455154e-04	7.887036e+00
O84	5.388367e-03	1.366230e-03	3.818860e-02	1.797660e-01
P85	1.872344e-04	2.070520e-04	1.578798e-02	5.026728e-02
M_N	4.285194e-04	5.618379e-04	8.813865e-03	8.388455e-02
E37-39	4.806050e-06	9.129133e-06	3.125941e-05	9.961242e-05
E37-39	5.655759e-06	1.032636e-05	3.147928e-05	9.630806e-05
E37-39	7.349562e-03	5.766653e-06	1.940505e-02	2.378317e-05
E37-39	2.925841e-05	5.301489e-05	6.658306e-05	2.026331e-04
E37-39	1.316652e-06	2.345403e-06	7.548990e-06	2.239509e-05
E37-39	2.395018e-06	4.313194e-06	1.239581e-05	3.901248e-05

	E37-39	3.873102e-05	7.511301e-05	7.974775e-05	3.156724e-04
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	9.967979e-08
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.990711e-05	3.121333e-05	4.715966e-05	8.437868e-05
	E37-39	2.627303e-05	4.441684e-05	2.077198e-05	1.053520e-04
	E37-39	3.745295e-07	5.010681e-07	9.263061e-07	1.382792e-06
	E37-39	4.926587e-06	6.666503e-06	1.852981e-06	2.379213e-05
	E37-39	1.329534e-05	1.841661e-05	5.442100e-06	5.897234e-05
	E37-39	9.880160e-06	1.335480e-05	4.260920e-06	3.062924e-05
	E37-39	7.374721e-06	1.014588e-05	4.908819e-06	2.278183e-05
	E37-39	1.973440e-03	2.382834e-03	1.260505e-03	5.568865e-03
	E37-39	6.449231e-05	9.386040e-05	5.436940e-05	2.123693e-04
	E37-39	1.520409e-03	1.823603e-03	9.002307e-04	4.086654e-06
	E37-39	8.879907e-03	6.192558e-06	4.987920e-03	1.401983e-05
	R_S	1.361133e-07	1.821639e-07	5.272759e-02	7.943440e-02
	R_S	3.191407e-04	7.456747e-05	1.853879e-03	4.365970e+00
	R_S	3.542452e-07	5.244082e-07	7.499221e-05	1.351648e-04
	T	0.000000e+00	0.000000e+00	1.635727e+00	3.092432e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
GR	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	3.467131e-11	1.082814e-04	3.045894e-03
	A01	1.392079e-05	1.987358e-05	3.493947e-04	7.745937e-05
	A01	5.467600e-03	1.347714e-02	6.288807e-02	6.739879e-01
	A01	0.000000e+00	5.311312e-04	1.025775e-02	1.352869e-01
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	5.929618e-06	1.014034e-05	7.719902e-03	2.060070e-01
	A01	0.000000e+00	0.000000e+00	1.934667e-07	1.274438e-05
	A01	0.000000e+00	0.000000e+00	9.437083e-07	6.217294e-05
	A01	0.000000e+00	0.000000e+00	1.635925e-07	1.077645e-05
	A01	1.696520e-05	2.900812e-05	4.009938e-04	1.622458e-03
	A01	2.198463e-06	3.759064e-06	5.134275e-05	1.693510e-04
	A01	0.000000e+00	0.000000e+00	8.062509e-06	5.311669e-04
	A01	0.000000e+00	0.000000e+00	8.695764e-05	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0.000000e+00	0.000000e+00	6.055642e-05	8.300229e-07
	A03	0.000000e+00	0.000000e+00	1.477478e-07	4.469377e-07
	B_nongas	1.530169e-04	8.982506e-05	8.092643e-03	1.126116e-04
	B_nongas	0.000000e+00	0.000000e+00	1.464824e-10	4.491008e-05
	B_gas	5.576846e-06	8.683151e-06	2.914913e-05	5.556508e-05
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	9.855353e-10	1.123300e-09	1.361476e-02	7.734702e-01
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	5.868991e-04	9.138020e-04	3.067650e-03	3.959857e-03
	B_nongas	2.185528e-05	3.396401e-05	1.171442e-04	2.484095e-04
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

B_nongas	9.964094e-04	1.551410e-03	5.208085e-03	6.721497e-03
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	4.794614e-06	4.391464e-06	1.959397e-05	3.577038e-02
B_nongas	2.827775e-02	4.402810e-02	1.478007e-01	1.906801e-01
C10-12	4.815462e-05	7.974547e-05	1.010764e-03	1.998866e-03
C10-12	1.098820e-04	1.838963e-04	2.372998e-03	4.679985e-03
C10-12	1.218764e-04	1.618610e-04	8.234888e-04	1.680389e-03
C10-12	1.925287e-04	2.503099e-04	1.101544e-03	2.711885e-03
C10-12	6.496437e-04	1.087831e-03	1.933348e-02	5.719433e-02
C10-12	6.056052e-04	7.904927e-04	7.584511e-03	3.409507e-02
C10-12	1.464176e-04	2.490832e-04	3.558397e-03	8.310107e-03
C10-12	4.813752e-04	8.168785e-04	1.203644e-02	2.516198e-02
C10-12	9.353140e-03	1.581289e-02	2.097340e-01	4.174877e-01
C10-12	4.480642e-03	7.479566e-03	1.075428e-01	2.613490e-01
C10-12	7.857280e-05	9.611435e-05	4.990727e-04	3.823398e-03
C10-12	5.531502e-05	6.875052e-05	2.091479e-02	5.729001e-02
C13-15	1.705422e-02	2.183365e-02	9.483929e-02	1.144963e-01
C13-15	1.826694e-04	2.018369e-04	5.592569e-03	9.548202e-02
C13-15	4.056411e-07	1.572926e-06	1.773727e-03	1.055907e-02
C16	1.907107e-05	2.063760e-05	1.059179e-03	1.974467e-02
C16	4.793970e-06	5.055386e-06	1.796175e-04	2.835471e-03
C17	7.315347e-05	8.062496e-05	1.327630e-04	2.102734e-04
C17	7.554812e-04	8.321136e-04	1.493891e-03	2.542167e-03
C17	1.394653e-04	1.628332e-04	2.768790e-02	3.803354e-01
C18	6.654005e-05	5.565918e-05	1.441702e-01	4.105521e-01
C19	1.230774e-07	1.185315e-07	5.513875e-07	1.472049e-06
C19	1.668069e+00	2.063944e+00	5.296810e+00	1.140129e+01
C24	1.166084e-08	1.010537e-08	5.810304e-07	4.433438e-05
C20-21	2.980320e-03	3.277976e-03	4.325556e-03	7.205208e-03
C20-21	1.540576e-02	1.706783e-02	2.391234e-02	4.191036e-02
C20-21	2.542859e-05	3.144132e-05	1.105960e-04	2.473908e-04
C20-21	1.541412e-04	1.905888e-04	6.180168e-04	1.623230e-03
C20-21	1.077054e-03	1.437235e-03	3.283282e-03	7.832554e-03
C22	4.041391e-04	5.050937e-04	3.756354e-02	4.063033e-01
C23	2.632022e-07	3.718238e-07	1.806371e-06	2.241932e-03
C23	8.204302e-08	1.618969e-07	9.478487e-07	3.029192e-03
C23	2.681783e-06	3.187855e-06	1.219879e-05	2.780241e-03
C23	8.610321e-06	1.063169e-05	1.911799e-04	1.818233e-04
C23	5.859671e-05	8.790853e-05	2.644856e-04	8.774995e-04
C23	5.489891e-05	8.211797e-05	2.467726e-04	8.064695e-04
C23	1.575612e-04	2.416263e-04	7.016854e-04	3.191064e-04
C24	1.356248e-03	3.410546e-03	2.291473e-02	3.625579e-02
C24	5.006215e-03	1.259190e-02	8.500268e-02	1.349516e-01
C24	1.927556e-07	2.783141e-07	2.992440e-05	1.049492e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.665961e-05	7.245698e-05	3.029272e-03	1.658749e-02
C24	4.078801e-06	5.184247e-06	8.033274e-05	3.231869e-04

C24	6.610294e-08	7.639880e-08	1.148015e-04	3.025044e-04
C24	6.435486e-08	8.192113e-08	7.192620e-05	1.929928e-04
C24	1.164785e-05	1.577544e-05	7.659097e-03	3.424857e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.143899e-09	6.015177e-09	1.227360e-06	2.003670e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	1.276794e-03	2.461033e-03	8.109397e-02	2.041322e-01
C25	3.652532e-04	6.696747e-04	2.233661e-02	1.172938e-01
C26	1.885824e-06	2.028852e-06	2.831755e-05	1.628607e-03
C27	3.647109e-03	6.875663e-03	5.612013e-02	3.276311e-01
C27	6.932327e-06	9.934877e-06	1.757877e-03	2.662714e-02
C28_32	1.067455e-05	1.142916e-05	3.382767e-04	2.466558e-02
C29	5.308466e-04	1.080330e-03	6.001658e-03	5.115267e-02
C30	2.010849e-03	3.223102e-03	1.135781e-02	5.416130e-02
C31	3.770837e-04	5.009067e-04	5.031137e-03	1.149089e-02
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	4.777046e-05	1.202856e-04	8.379880e-04	1.480271e-03
D35	1.196694e-06	1.006240e-06	1.223741e-05	3.197173e-05
D35	1.015621e-06	8.790862e-07	1.668773e-05	5.131968e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.341659e-08	5.406144e-08	6.020596e-07	4.989664e-06
D35	2.156028e-07	1.806558e-07	1.367225e-06	3.664170e-06
D35	1.741660e-07	1.983232e-07	1.139664e-06	7.422403e-06
D35	1.197511e-08	1.054560e-08	1.249143e-07	4.064155e-07
D35	4.049472e-10	3.544013e-10	3.911039e-09	9.349534e-09
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.665769e-07	4.174198e-07	2.783173e-06	1.364341e-05
D35	1.612594e-06	1.836256e-06	1.150115e-05	5.555715e-05
D35	1.352550e-07	1.116757e-07	1.611315e-06	5.428921e-06
D35	1.252815e-07	1.071595e-07	1.420967e-06	7.923943e-06
E36	4.243927e-06	3.774359e-06	4.448180e-05	1.577860e-04
F	1.815431e-07	2.412452e-07	3.398541e-03	2.300516e-02
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.145651e-03	1.321483e-03	3.205620e-03	2.025085e-02
G47	2.878643e-05	3.320498e-05	4.843281e-05	4.008179e-04
G46	3.355390e-03	3.215262e-03	9.880676e-03	3.343084e-02
G47	1.692408e-03	1.813276e-03	3.574158e-03	9.896297e-03
I	3.468030e-03	4.000243e-03	2.443141e-01	3.603240e-01
H49	7.269596e-04	8.277897e-04	2.125874e-02	5.954101e-02
H49	8.807354e-04	5.365196e-06	1.991245e-02	5.272924e-02
H49	1.198730e-04	1.365005e-04	1.095634e-05	1.558500e-03
H50	4.289616e-03	5.418354e-03	1.394424e-02	5.541311e-02
H50	7.553035e-05	9.378980e-05	8.270132e-04	1.496961e-02
H51	1.106862e-01	1.296636e-01	5.551962e-01	3.807924e-04

H52	2.341643e-02	2.727821e-02	1.228815e-01	3.270124e-02
H53	7.407110e-06	4.718063e-06	4.060247e-02	1.063186e-01
K64	9.027561e-06	1.059129e-05	5.655868e-01	1.371876e-01
K65	6.826862e-11	1.002116e-10	1.100912e-07	6.482062e-05
K66	1.100622e-07	1.464904e-07	2.178350e-02	1.399116e-02
L68	7.723040e-08	1.135576e-07	2.980346e-05	8.949205e-03
M_N	1.721727e-09	2.612450e-09	9.540373e-08	8.471874e-06
J62_63	9.747371e-07	1.453525e-06	7.890350e-02	4.041569e-01
M_N	2.723745e-07	4.731563e-07	4.616212e-02	1.833093e-02
M_N	1.070588e-07	1.567278e-07	7.676495e-06	2.425073e-01
O84	1.867180e-05	1.163030e-05	7.372935e-02	2.189017e-01
P85	4.578724e-09	7.451347e-09	1.382738e-06	2.430630e-03
M_N	3.553273e-08	3.085121e-08	1.060456e-04	7.867678e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.442558e-07	2.613849e-07	3.282815e-07	9.990633e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.123387e-07	4.117992e-07	4.372086e-07	1.730641e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	3.197924e-07	5.014180e-07	7.575834e-07	1.355478e-06
E37-39	1.533596e-07	2.592678e-07	1.212492e-07	6.149556e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.686561e-07	3.635370e-07	1.010466e-07	1.297430e-06
E37-39	6.318484e-07	8.752317e-07	2.586306e-07	2.802604e-06
E37-39	9.809892e-07	1.325982e-06	4.230616e-07	3.041140e-06
E37-39	6.830673e-07	9.397396e-07	4.546685e-07	2.110117e-06
E37-39	1.042340e-04	1.258576e-04	6.657793e-05	2.941388e-04
E37-39	2.211178e-06	3.218090e-06	1.864105e-06	7.281276e-06
E37-39	1.573935e-04	1.887803e-04	9.319234e-05	4.230524e-07
E37-39	3.540358e-04	2.468930e-07	1.988650e-04	5.589611e-07
R_S	1.609642e-08	2.385338e-08	1.100841e-02	1.585183e-02
R_S	9.854917e-08	1.651791e-07	4.582994e-06	7.053294e-02
R_S	1.644609e-08	2.434604e-08	3.481569e-06	6.275125e-06
T	0.000000e+00	0.000000e+00	6.992738e-02	1.322016e-01
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
HR A01	2.970643e-08	4.203638e-08	3.925627e-07	8.006953e-07
A01	1.682447e-03	2.355739e-03	5.870424e-03	3.525275e-02
A01	2.662334e-03	3.800774e-03	6.682549e-02	1.498328e-02
A01	1.842613e-04	4.541774e-04	1.711784e-03	2.030521e-02
A01	2.903618e-08	2.355129e-08	4.641274e-07	4.368916e-05
A01	2.288120e-10	2.262838e-10	5.443914e-09	9.303795e-07
A01	5.563617e-07	9.489040e-07	1.292183e-05	5.776720e-05
A01	1.730538e-05	2.892918e-05	1.646724e-03	3.098895e-02
A01	3.087719e-09	2.684158e-09	4.344177e-05	1.407953e+00
A01	2.369780e-09	2.351933e-09	1.221141e-07	7.463218e-06

A01	4.121149e-09	4.143273e-09	1.937948e-05	1.270018e-03
A01	1.973700e-05	3.325582e-05	4.727637e-04	9.775735e-02
A01	1.730729e-06	2.923487e-06	4.431208e-05	7.420116e-03
A01	1.616532e-08	1.627220e-08	3.723307e-04	1.718287e-01
A01	1.043007e-10	8.242258e-11	5.792111e-09	2.037136e-06
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	9.409227e-07	1.472740e-06	2.791726e-05	7.558122e-03
A03	8.351902e-05	1.135108e-04	3.095802e-03	3.922440e-03
B_nongas	6.816998e-05	7.869535e-05	7.371192e-02	2.963525e-02
B_nongas	1.677386e-07	2.240055e-07	4.455879e-04	1.320610e-04
B_gas	1.879548e-06	2.125931e-06	2.282852e-04	8.501689e-05
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	3.099112e-06	5.188803e-06	1.027578e-02	4.361183e-03
B_nongas	2.060002e-06	2.521752e-06	3.248173e-04	1.637725e-04
C10-12	1.665074e-06	1.952125e-06	2.992566e-05	5.955978e-05
C10-12	3.807933e-06	4.939487e-06	8.048544e-05	2.086697e-04
C10-12	6.988294e-06	8.830865e-06	1.511189e-04	5.813153e-04
C10-12	5.797830e-06	8.206796e-06	1.468734e-04	9.241210e-04
C10-12	2.595186e-04	4.424824e-04	6.059445e-03	1.367655e-02
C10-12	6.182748e-05	9.557673e-05	1.866770e-03	1.140117e-02
C10-12	2.501190e-05	4.274062e-05	5.922750e-04	1.372282e-03
C10-12	3.988733e-05	6.651617e-05	6.510089e-03	1.997722e-02
C10-12	1.877065e-03	3.205542e-03	4.669416e-02	1.087021e-01
C10-12	7.737699e-04	1.318336e-03	1.884323e-02	4.650216e-02
C10-12	7.724515e-06	1.002856e-05	1.443337e-04	5.308306e-04
C10-12	2.479854e-06	3.654192e-06	7.486670e-05	2.907134e-04
C13-15	7.403250e-04	9.481881e-04	4.080046e-03	4.488100e-03
C13-15	2.144327e-04	2.735079e-04	1.448537e-03	5.051503e-03
C13-15	4.213219e-06	5.109829e-06	1.704629e-04	1.010081e-03
C16	2.605863e-04	3.418318e-04	5.229762e-03	6.449000e-02
C16	3.023772e-05	4.023183e-05	6.574587e-04	7.692823e-03
C17	1.521448e-06	1.618715e-06	1.458612e-03	4.667221e-03
C17	1.126945e-06	1.220144e-06	9.334614e-04	3.054802e-03
C17	7.516147e-07	9.512892e-07	6.450219e-04	5.298083e-03
C18	6.956678e-03	8.149150e-03	2.449193e-01	1.061448e-01
C19	3.036050e-08	3.315936e-08	8.560599e-07	2.096963e-06
C19	6.420348e-06	2.064248e-06	4.824973e-03	5.567298e-04
C24	2.807953e-08	3.119099e-08	8.010415e-07	1.955799e-06

C20-21	2.132098e-04	2.267018e-04	3.104610e-04	5.324149e-04
C20-21	7.918270e-05	8.388129e-05	1.383188e-04	2.693469e-04
C20-21	4.157869e-07	3.807202e-07	7.696149e-07	1.592970e-06
C20-21	2.022567e-06	2.337228e-06	2.977991e-05	9.407286e-05
C20-21	1.008211e-04	1.042482e-04	1.996676e-04	5.555146e-04
C22	9.685352e-06	1.501113e-05	9.635154e-03	5.490964e-02
C23	2.268608e-07	3.169113e-07	6.355138e-06	9.367940e-05
C23	1.080353e-07	1.607647e-07	4.273142e-06	3.706275e-05
C23	8.856971e-07	1.376286e-06	2.118381e-05	1.333083e-04
C23	5.340688e-06	7.959689e-06	2.080851e-04	8.833227e-04
C23	3.752354e-05	5.948126e-05	1.422606e-03	7.573741e-03
C23	5.557074e-06	8.404751e-06	1.299007e-04	6.537644e-04
C23	5.923869e-06	8.510088e-06	9.753715e-05	4.765921e-04
C24	5.302804e-05	1.257830e-04	2.466903e-03	6.577589e-03
C24	2.214112e-05	5.003443e-05	8.228159e-04	2.177952e-03
C24	3.084153e-07	4.727257e-07	1.079229e-05	3.535659e-05
C24	4.129549e-11	5.324221e-11	1.560433e-10	1.381382e-09
C24	3.790103e-06	5.161643e-06	1.042092e-03	2.888100e-03
C24	2.075708e-06	2.957235e-06	6.158713e-05	3.907904e-04
C24	2.584586e-07	3.949502e-07	2.159450e-05	5.807031e-05
C24	6.454982e-08	7.663471e-08	6.417553e-06	1.354921e-05
C24	5.628732e-06	9.484840e-06	5.628910e-04	2.078377e-03
C24	1.495439e-07	1.994236e-07	7.937404e-06	1.854943e-05
C24	1.211811e-08	1.527821e-08	6.215493e-06	5.130506e-05
C24	2.976629e-10	2.158053e-10	2.081121e-07	2.205723e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	3.120626e-05	3.633184e-05	1.240653e-02	3.621131e-02
C25	4.279521e-05	6.821142e-05	7.517898e-03	3.931991e-02
C26	9.845116e-07	1.085364e-06	1.514259e-05	1.674483e-04
C27	3.936625e-04	7.432258e-04	6.593732e-03	3.801242e-02
C27	3.503272e-06	5.604878e-06	6.065515e-04	9.271515e-03
C28_32	2.217328e-06	3.426363e-06	1.470620e-04	3.958586e-03
C29	4.219327e-05	7.218420e-05	4.066814e-04	2.532448e-03
C30	2.787110e-04	4.402773e-04	1.421507e-03	4.208011e-03
C31	9.840064e-06	1.271782e-05	1.179480e-03	1.575247e-02
E37-39	2.448897e-07	2.275742e-07	2.890526e-06	1.351824e-05
E37-39	4.718866e-07	4.300078e-07	1.010255e-06	5.224993e-06
D35	1.597518e-04	2.829148e-04	1.228395e-02	1.957230e-02
D35	6.295465e-05	1.077886e-04	7.260738e-03	8.122103e-03
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	8.910770e-06	1.482411e-05	2.814729e-03	1.731098e-03
D35	5.134533e-05	9.700682e-05	1.007620e-03	4.659259e-03
D35	7.284987e-05	1.320859e-04	9.408489e-03	9.440865e-03
D35	5.810923e-07	8.228721e-07	2.095709e-04	1.220195e-04
D35	5.229122e-08	9.889213e-08	8.456346e-07	4.679093e-06
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.642773e-05	6.231232e-05	3.975079e-03	5.261118e-03
D35	1.671640e-04	2.942767e-04	8.778900e-02	5.104331e-02
D35	6.872101e-06	1.093359e-05	1.185162e-03	9.844110e-04
D35	9.285819e-07	1.486204e-06	3.952599e-04	2.384702e-04
E36	1.421097e-05	6.980253e-06	1.146418e-04	5.172446e-03
F	1.993969e-05	3.315556e-05	1.229018e-02	8.102579e-02
F	2.592032e-07	2.700287e-07	3.066317e-05	2.014234e-04
G45	2.172465e-04	2.505455e-04	6.051536e-04	3.762602e-03
G47	8.881876e-06	1.019148e-05	5.060273e-06	9.181426e-06
G46	7.467993e-04	6.876136e-04	4.121556e-03	9.340002e-02
G47	2.921894e-04	3.159259e-04	6.166820e-04	1.572888e-03
I	8.302291e-04	9.574169e-04	5.852188e-02	9.273760e-02
H49	3.907551e-05	4.450337e-05	1.122508e-03	2.763857e-03
H49	7.614921e-05	1.570363e-06	1.698684e-03	3.811771e-03
H49	2.629870e-05	2.994640e-05	1.185941e-06	4.663434e-06
H50	7.949541e-03	8.840932e-03	1.042434e-02	1.444629e-02
H50	2.024567e-06	2.281552e-06	2.280349e-05	4.707813e-04
H51	3.186798e-02	3.733135e-02	1.616537e-01	9.399414e-03
H52	1.669340e-04	1.942068e-04	1.004285e-03	2.129506e-03
H53	8.954499e-07	1.296064e-06	7.194452e-02	3.594640e-01
K64	5.073319e-05	5.857730e-05	1.877040e-01	4.894703e-02
K65	1.549787e-13	2.278795e-13	6.654512e-09	3.471530e-08
K66	1.792721e-08	2.112917e-08	2.337624e-03	1.839655e-03
L68	6.455868e-06	2.996008e-06	1.082043e-03	1.481673e-03
M_N	2.441939e-07	3.526155e-07	4.250891e-04	2.554350e-03
J62_63	1.002050e-06	1.148634e-06	3.582864e-02	1.834878e-01
M_N	8.282656e-06	1.561306e-05	6.437013e-02	2.637509e-02
M_N	7.489968e-06	5.312619e-06	1.461531e-02	3.661670e-02
O84	2.041125e-06	2.795914e-06	7.208675e-05	1.009852e-02
P85	2.343314e-06	2.687012e-06	1.886232e-04	8.881403e-04
M_N	1.030763e-06	1.153541e-06	1.801305e-05	5.936918e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.009712e-08	2.186346e-08	2.770230e-07	2.035218e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	3.369076e-08	5.320164e-08	2.818368e-07	1.748653e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	7.345546e-08	1.062227e-07	7.530057e-07	1.015021e-05
E37-39	1.267408e-08	1.734380e-08	1.047473e-07	8.333539e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.019768e-07	1.177942e-07	2.952664e-06	9.309781e-06
E37-39	1.009348e-07	1.193030e-07	9.053362e-06	1.864031e-04
E37-39	2.649506e-07	3.004728e-07	2.729803e-06	2.174671e-05
E37-39	2.451249e-07	2.820518e-07	5.091582e-06	2.275773e-05

	E37-39	1.465661e-05	1.769600e-05	9.448777e-06	4.215188e-05
	E37-39	4.560555e-07	5.663710e-07	4.460353e-06	3.613922e-05
	E37-39	6.010130e-05	7.208211e-05	3.613798e-05	3.427533e-06
	E37-39	1.157606e-04	1.175279e-07	6.578265e-05	4.598089e-06
	R_S	5.248190e-06	6.388378e-06	1.063331e-03	3.109264e-02
	R_S	4.336167e-05	6.160813e-05	1.014299e-03	1.923315e-01
	R_S	7.765038e-06	4.371112e-06	1.579623e-03	3.021802e-03
	T	4.191363e-05	7.922144e-05	6.582630e-03	1.681284e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
HU	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	8.663493e-03	1.213055e-02	3.017627e-02	1.799980e-01
	A01	5.791497e-03	8.268051e-03	1.453822e-01	3.286800e-02
	A01	2.087593e-04	5.145725e-04	2.396597e-03	2.570626e-02
	A01	1.017480e-09	4.474781e-05	8.641822e-04	1.139748e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.002989e-05	3.017901e-05	7.859633e-04	1.035524e-02
	A01	5.483311e-11	1.125887e-10	3.734602e-04	1.296441e+00
	A01	6.042673e-10	1.240740e-09	1.598959e-03	1.053511e-01
	A01	3.417114e-10	7.016349e-10	1.978272e-08	1.752073e-07
	A01	2.761743e-05	3.539566e-05	2.837691e-03	2.275511e-01
	A01	2.238658e-05	2.129691e-05	1.750554e-04	9.485779e-03
	A01	7.976794e-10	1.637873e-09	1.454043e-03	4.846220e-01
	A01	0.000000e+00	0.000000e+00	9.635325e-05	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	1.700233e-05	1.049908e-05	1.780452e-04	1.073690e-03
	A03	3.757825e-07	5.417133e-07	2.861832e-05	9.047536e-04
	B_nongas	6.731451e-07	5.917243e-07	1.427286e-06	3.323785e-06
	B_nongas	1.916154e-07	1.374309e-07	4.296586e-06	3.058830e-04
	B_gas	5.169629e-07	3.317151e-07	1.131099e-05	2.821725e-03
	B_gas	1.260588e-09	7.339698e-10	3.769806e-08	2.648229e-06
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	2.205157e-12	3.235611e-12	1.731315e-09	2.560470e-07
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.009169e-13	1.341043e-13	1.889194e-09	1.278819e-08
	B_nongas	3.026620e-07	1.877329e-07	4.794309e-06	1.110821e-04
	B_nongas	8.142133e-07	5.050339e-07	1.289759e-05	1.304714e-04
	B_nongas	1.106078e-06	1.715393e-06	5.856281e-06	7.772513e-06
	C10-12	5.613539e-05	7.972003e-05	8.013352e-04	1.904588e-03
	C10-12	1.516275e-04	1.821442e-04	1.155014e-03	7.646571e-03
	C10-12	9.106725e-05	1.063828e-04	2.135934e-02	7.899238e-02
	C10-12	5.976752e-05	9.146125e-05	1.204341e-03	1.225898e-02
	C10-12	1.507076e-04	2.282337e-04	5.157046e-03	2.067011e-02

C10-12	1.329902e-04	1.682080e-04	2.169024e-02	1.452879e-01
C10-12	3.616404e-06	4.927900e-06	4.520219e-05	1.053232e-04
C10-12	2.316538e-04	2.526791e-04	7.750424e-04	2.044265e-03
C10-12	3.514643e-03	5.961546e-03	8.753340e-02	2.222502e-01
C10-12	1.173897e-03	1.960853e-03	2.893309e-02	7.292281e-02
C10-12	3.687671e-05	3.755692e-05	1.711175e-04	6.960540e-04
C10-12	2.753857e-06	2.458046e-06	2.566727e-03	7.726057e-03
C13-15	5.736175e-03	7.370952e-03	3.154819e-02	3.799108e-02
C13-15	1.034446e-03	1.319045e-03	6.118664e-03	1.432311e-02
C13-15	6.249912e-05	1.116803e-04	1.010806e-03	8.095174e-03
C16	6.170785e-05	6.210795e-05	6.050179e-04	4.636855e-03
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.199109e-05	1.073934e-05	1.647587e-04	8.348942e-04
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.002068e-05	2.835320e-05	1.444749e-02	2.031582e-01
C18	1.725965e-05	1.710596e-05	3.741053e-02	1.322452e-01
C19	4.214073e-07	3.958054e-07	2.337740e-05	3.037038e-04
C19	3.080709e-02	3.760003e-02	8.782664e-02	1.686567e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	3.581451e-03
C20-21	3.189102e-02	3.429709e-02	4.205280e-02	5.840841e-02
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	4.501848e-07	5.113579e-07	3.189188e-06	5.548602e-06
C20-21	3.252293e-06	3.743726e-06	2.446713e-05	5.968523e-05
C20-21	1.433756e-04	2.069476e-04	5.400491e-04	1.400412e-03
C22	7.216784e-04	9.469196e-04	3.032212e-02	3.098840e-01
C23	3.172727e-05	3.225450e-05	1.677444e-04	9.302570e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.158074e-05	2.182327e-05	1.643883e-04	3.295975e-03
C23	3.811127e-05	3.853270e-05	2.008770e-04	6.500827e-04
C23	1.324473e-04	1.348324e-04	7.421941e-04	2.516446e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	7.164834e-05	8.341670e-05	3.573225e-04	8.827925e-04
C24	1.820763e-04	3.661614e-04	6.671154e-03	2.872320e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.709108e-06	2.022523e-06	4.604635e-05	2.709656e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.477007e-04	1.949239e-04	6.824735e-03	3.545173e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.318397e-06	9.413996e-06	5.252861e-04	1.462704e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.059423e-05	1.252546e-05	2.753739e-04	1.391200e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.093195e-07	2.474008e-07	5.328969e-06	7.781711e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.877948e-05	1.099645e-04	2.151890e-03	1.117878e-02
C25_33	2.119975e-04	3.408962e-04	1.844949e-02	5.778486e-02
C25	4.485695e-04	7.831529e-04	3.189780e-02	1.961725e-01
C26	7.438162e-05	1.429907e-04	3.619329e-02	3.708013e-01

C27	2.039246e-03	3.850547e-03	3.950655e-02	2.539210e-01
C27	2.554166e-04	4.652140e-04	5.440558e-02	7.043049e-01
C28_32	4.575600e-04	5.452256e-04	4.714955e-02	2.901097e-01
C29	3.196005e-03	6.466232e-03	3.379291e-02	3.436988e-01
C30	7.387830e-04	1.175699e-03	4.035098e-03	1.364901e-02
C31	1.025595e-04	1.206008e-04	4.212618e-03	2.332867e-02
E37-39	3.207459e-05	1.751446e-05	1.266107e-04	3.201634e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	6.801634e-06	7.455498e-06	9.419913e-04	5.264612e-03
D35	3.085182e-05	2.641748e-05	3.322321e-03	1.854860e-02
D35	1.637784e-05	1.399866e-05	1.765788e-03	9.857425e-03
D35	1.966435e-07	1.960398e-07	1.827373e-05	1.019921e-04
D35	1.174607e-07	1.017748e-07	1.191259e-05	6.516888e-05
D35	1.085853e-06	9.277846e-07	1.170831e-04	6.535953e-04
D35	2.562621e-06	2.188118e-06	2.764787e-04	1.543339e-03
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.511119e-08	4.338870e-08	6.438949e-06	3.578137e-05
D35	3.367801e-06	2.878460e-06	3.631108e-04	2.029792e-03
D35	1.674161e-05	1.429943e-05	1.805863e-03	1.023353e-02
D35	1.845158e-05	1.576752e-05	1.989980e-03	1.319493e-02
D35	9.927182e-05	8.490676e-05	1.069448e-02	5.975086e-02
E36	7.693860e-04	3.252510e-04	6.642125e-04	1.661431e-03
F	1.190864e-04	1.426839e-04	3.986770e-03	3.009415e-02
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	3.437938e-03	3.902382e-03	1.058690e-02	6.683567e-02
G47	1.220157e-04	1.268285e-04	2.870936e-04	1.603404e-03
G46	1.036006e-02	9.606673e-03	1.647466e-01	1.103276e+00
G47	6.004138e-03	6.441456e-03	1.925462e-02	1.093419e-01
I	6.381090e-03	7.357442e-03	4.454224e-01	6.580956e-01
H49	1.240345e-03	1.411801e-03	3.560658e-02	8.800103e-02
H49	3.463408e-03	7.269761e-05	7.726554e-02	1.740829e-01
H49	2.154145e-03	2.452645e-03	1.502029e-04	8.990509e-04
H50	7.129383e-05	7.929153e-05	9.556615e-05	1.497815e-04
H50	3.608918e-06	4.145566e-06	8.544061e-05	1.133755e-03
H51	1.586719e-01	1.858756e-01	7.958561e-01	2.706255e-04
H52	7.798958e-04	8.762353e-04	1.152008e-02	5.298033e-02
H53	4.325032e-03	5.056908e-03	2.103619e-01	3.646718e-01
K64	6.610072e-06	7.864035e-06	7.580538e-01	1.815728e-01
K65	9.503862e-07	1.096244e-06	6.709411e-05	9.886898e-05
K66	6.608964e-07	7.993616e-07	4.060653e-02	2.699138e-02
L68	1.772745e-04	1.606205e-04	2.110765e-02	1.019010e-01
M_N	4.227564e-05	5.348096e-05	2.516941e-04	2.053902e-03
J62_63	5.810481e-05	6.431914e-05	1.028879e+00	5.279463e+00
M_N	8.811298e-05	9.289003e-05	4.664304e-02	3.535785e-02
M_N	3.727935e-04	4.095605e-04	5.590176e-02	8.324379e-01

	084	3.053345e-05	3.528451e-05	2.430287e-03	6.480479e-03
	P85	1.866157e-05	2.091136e-05	1.201143e-03	3.216354e-03
	M_N	1.244325e-05	1.435657e-05	8.768488e-04	1.509915e-03
	E37-39	4.288123e-06	4.897969e-06	1.495007e-05	1.539321e-04
	E37-39	3.506040e-06	4.041528e-06	1.209568e-05	1.227423e-04
	E37-39	5.018186e-05	9.642920e-07	1.329385e-04	3.193407e-05
	E37-39	8.934325e-06	1.103841e-05	2.669426e-05	2.733230e-04
	E37-39	7.365081e-07	8.710930e-07	2.647492e-06	2.503973e-05
	E37-39	9.057447e-07	1.088531e-06	3.213970e-06	3.028359e-05
	E37-39	5.793455e-06	8.372606e-06	1.563671e-05	1.431004e-04
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.289534e-05	1.595969e-05	3.756519e-05	3.374131e-04
	E37-39	1.092482e-05	1.522445e-05	2.115077e-05	2.178364e-04
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	9.132755e-06	9.961199e-06	2.714557e-05	3.185970e-04
	E37-39	2.142528e-05	2.507845e-05	4.930203e-05	5.750666e-04
	E37-39	3.759499e-05	4.288706e-05	9.363467e-05	1.079318e-03
	E37-39	1.942174e-05	2.095546e-05	6.042205e-05	7.055713e-04
	E37-39	5.906294e-04	7.128613e-04	3.826654e-04	1.739981e-03
	E37-39	1.022895e-05	1.209384e-05	2.562405e-05	2.807362e-04
	E37-39	1.556421e-03	1.866289e-03	9.316196e-04	1.490314e-04
	E37-39	4.061137e-03	8.515535e-06	2.295212e-03	2.060791e-04
	R_S	2.862760e-07	2.543831e-07	2.611391e-03	3.760823e-03
	R_S	4.124656e-05	4.652435e-05	3.443824e-03	1.041749e+00
	R_S	2.925350e-05	2.079611e-05	8.306280e-04	1.599818e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
IE	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	5.194922e-07	8.881456e-07	2.225538e-05	1.897903e-04
	A01	6.663076e-07	1.136855e-06	1.399061e-04	9.695320e-04
	A01	4.634150e-05	1.139879e-04	4.618640e-04	5.241704e-03
	A01	1.321634e-07	1.279701e-05	2.463539e-04	3.211664e-03
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.549186e-06	2.441438e-06	1.025528e-03	1.277493e-02
	A01	4.451411e-06	7.611297e-06	3.869018e-04	4.921189e-02
	A01	3.120713e-07	5.335987e-07	2.614126e-05	1.252454e-03
	A01	2.176045e-06	3.720737e-06	5.071269e-05	1.064242e-04
	A01	6.434117e-06	9.755002e-06	5.829887e-04	2.291128e-02
	A01	1.550613e-07	1.808602e-07	1.079866e-05	8.094069e-05
	A01	4.747242e-06	8.117128e-06	2.489929e-04	9.264705e-03
	A01	1.544030e-08	2.640078e-08	3.639725e-07	7.658740e-07
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	1.924870e-06	3.290921e-06	4.943099e-05	1.052968e-02
	A03	3.412440e-07	5.834090e-07	1.910649e-05	8.789249e-05
	B_nongas	3.196568e-04	1.877096e-04	1.687210e-02	9.881442e-05

B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	2.288445e-06	2.015148e-06	4.662770e-06	1.065128e-05
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	5.415554e-08	4.768862e-08	1.106452e-07	2.536680e-07
B_nongas	7.396151e-07	6.512885e-07	1.507806e-06	3.446813e-06
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.648395e-05	1.501281e-05	5.591862e-05	2.452065e-04
B_nongas	2.408087e-06	2.193180e-06	8.168883e-06	2.580534e-04
B_nongas	3.855090e-04	6.000309e-04	2.014393e-03	2.602131e-03
C10-12	6.441064e-03	1.097543e-02	1.471046e-01	2.923192e-01
C10-12	1.095538e-03	1.538891e-03	1.638402e-02	3.274917e-02
C10-12	2.924279e-04	4.634313e-04	6.726382e-03	1.486925e-02
C10-12	5.673094e-03	9.655121e-03	1.290511e-01	2.574540e-01
C10-12	4.543246e-04	7.761675e-04	1.044457e-02	2.063507e-02
C10-12	4.138653e-03	7.037053e-03	2.038859e-01	9.048992e-01
C10-12	2.110415e-05	3.587246e-05	4.798959e-04	9.447222e-04
C10-12	4.221666e-04	7.044938e-04	9.290890e-03	1.835724e-02
C10-12	7.463480e-02	1.275504e-01	1.785078e+00	3.799405e+00
C10-12	1.219234e-02	2.082713e-02	3.564983e-01	1.012000e+00
C10-12	4.786048e-05	4.492723e-05	1.070032e-04	9.112021e-02
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	1.159408e-02	1.480864e-02	6.351351e-02	6.863474e-02
C13-15	5.541576e-04	6.776048e-04	2.845476e-03	4.646804e-03
C13-15	4.412155e-08	1.289984e-07	1.706792e-04	1.236781e-03
C16	8.054629e-05	7.352348e-05	1.170001e-03	1.405053e-02
C16	1.782670e-05	1.627210e-05	2.451674e-04	3.036701e-03
C17	9.105302e-04	9.921968e-04	1.646112e-03	2.820642e-03
C17	7.818400e-06	8.551708e-06	1.324579e-05	1.993406e-05
C17	7.749330e-05	7.245606e-05	2.657014e-03	3.542228e-02
C18	2.535275e-02	2.233301e-02	2.719123e-01	7.444988e-01
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	1.125257e-04	1.313257e-04	1.850979e-03	6.220590e-03
C24	1.634875e-07	2.062235e-07	4.984514e-06	5.903635e-05
C20-21	1.823371e-03	1.895539e-03	4.908294e-03	3.654903e-03
C20-21	1.574104e-02	1.680106e-02	1.843300e-02	3.245833e-02
C20-21	2.158025e-07	1.952410e-07	7.638098e-05	1.375752e-04
C20-21	2.692518e-06	2.441110e-06	2.415006e-05	8.453884e-05
C20-21	1.522691e-03	2.449693e-03	2.746693e-03	1.382498e-02
C22	4.815174e-04	6.084350e-04	1.800346e-02	1.860368e-01
C23	4.473697e-05	6.640773e-05	2.466519e-04	6.153056e-03
C23	3.879482e-05	5.760577e-05	2.036575e-04	5.764318e-03
C23	1.084313e-05	1.606874e-05	5.663674e-05	1.789616e-04
C23	3.945640e-06	5.846418e-06	2.059651e-05	3.691888e-05

C23	1.637493e-03	2.475179e-03	8.663431e-03	1.523062e-02
C23	6.484673e-05	9.610347e-05	3.386459e-04	6.067338e-04
C23	3.542926e-04	5.255414e-04	1.846841e-03	3.276262e-03
C24	2.701385e-04	6.794164e-04	4.469234e-03	6.969608e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.506105e-07	4.201327e-07	8.323197e-04	1.556751e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.169705e-06	1.475828e-06	9.701544e-05	3.099137e-04
C24	1.518166e-06	1.589694e-06	4.384836e-05	1.651308e-04
C24	3.001053e-07	3.661054e-07	8.340081e-04	2.149042e-03
C24	1.031076e-06	1.147848e-06	1.411509e-03	3.639345e-03
C24	1.077693e-07	1.317201e-07	4.039340e-05	1.800226e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.844273e-07	5.028168e-07	3.525954e-05	2.861450e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	1.812364e-04	2.453856e-04	3.259730e-02	9.536144e-02
C25	4.016172e-04	4.893622e-04	3.377244e-02	1.800628e-01
C26	1.228909e-03	1.926244e-03	3.189570e-02	2.104907e+00
C27	5.789304e-03	1.093862e-02	8.772524e-02	5.184069e-01
C27	4.062132e-04	6.250085e-04	1.540964e-02	2.414146e-01
C28_32	7.151721e-04	8.003876e-04	2.664351e-02	4.245619e-01
C29	7.259730e-04	1.287373e-03	4.420596e-03	6.102519e-02
C30	1.371723e-03	2.199289e-03	6.925157e-03	2.097546e-02
C31	2.799307e-04	3.460309e-04	2.172168e-03	4.590245e-03
E37-39	1.648748e-05	1.451847e-05	3.359369e-05	7.673891e-05
E37-39	2.182931e-04	1.922236e-04	4.447784e-04	1.016018e-03
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.022056e-07	2.661148e-07	6.157523e-07	1.406578e-06
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.539662e-08	1.355789e-08	3.137105e-08	7.166167e-08
D35	4.550656e-08	4.007196e-08	9.272088e-08	2.118046e-07
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	9.628242e-07	8.478393e-07	1.961781e-06	4.481345e-06
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	7.244284e-07	3.002394e-07	1.008122e-06	1.556838e-06
F	2.337979e-06	3.107141e-06	4.373866e-02	2.960725e-01
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	3.455979e-02	3.986392e-02	9.519813e-02	5.972375e-01
G47	7.680512e-04	8.859252e-04	9.715955e-06	3.199478e-03

	G46	1.036951e-01	9.238035e-02	2.118671e-01	4.863032e-01
	G47	6.816838e-02	7.364805e-02	1.413255e-01	3.530056e-01
	I	2.125487e-03	2.451690e-03	1.498056e-01	2.213536e-01
	H49	3.995337e-03	4.549408e-03	1.166103e-01	2.850968e-01
	H49	5.946337e-03	2.470586e-05	1.339725e-01	2.985836e-01
	H49	5.858032e-04	6.670490e-04	8.225191e-06	5.040087e-06
	H50	7.332081e-03	8.154348e-03	9.614718e-03	1.332340e-02
	H50	1.643695e-05	1.871902e-05	1.918928e-04	3.987775e-03
	H51	1.865419e-01	2.168098e-01	8.782345e-01	1.143095e-01
	H52	1.852916e-03	2.109877e-03	2.783871e-02	2.697381e-01
	H53	3.302221e-06	4.848868e-06	6.877345e-01	1.801365e+00
	K64	4.240525e-05	5.672897e-05	2.471161e+01	6.081516e+00
	K65	3.724042e-08	5.451704e-08	9.274996e-06	8.462482e-02
	K66	1.227476e-05	1.633744e-05	2.429420e+00	1.560374e+00
	L68	1.776395e-06	2.611998e-06	6.811556e-04	2.058402e-01
	M_N	1.435798e-06	1.947784e-06	7.497511e-01	1.883265e-01
	J62_63	4.208145e-04	4.289468e-04	7.742496e+00	3.964716e+01
	M_N	1.779253e-06	3.091329e-06	3.018570e-01	1.169011e-01
	M_N	1.499780e-06	2.195560e-06	1.060692e-04	3.407409e+00
	O84	0.000000e+00	0.000000e+00	9.314304e-06	1.720367e-06
	P85	5.227403e-07	9.018484e-07	7.067384e-02	2.738513e-02
	M_N	4.915945e-07	7.738534e-07	4.060231e-05	1.414982e-04
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.254806e-06	9.845528e-10	3.313065e-06	4.060550e-09
	E37-39	7.472784e-06	1.354034e-05	1.700574e-05	5.175378e-05
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	5.912167e-09	1.064724e-08	3.059940e-08	9.630338e-08
	E37-39	1.034292e-05	2.005854e-05	2.129623e-05	8.429869e-05
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	2.043716e-05	3.204442e-05	4.841534e-05	8.662536e-05
	E37-39	4.495598e-05	7.600199e-05	3.554309e-05	1.802686e-04
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	7.438776e-06	1.006592e-05	2.797862e-06	3.592432e-05
	E37-39	2.213633e-05	3.066309e-05	9.060931e-06	9.818714e-05
	E37-39	3.440909e-05	4.651001e-05	1.483927e-05	1.066707e-04
	E37-39	2.594256e-05	3.569085e-05	1.726809e-05	8.014119e-05
	E37-39	1.960634e-03	2.367371e-03	1.252326e-03	5.532728e-03
	E37-39	1.549872e-05	2.255643e-05	1.306600e-05	5.103635e-05
	E37-39	5.719450e-03	6.860001e-03	3.386473e-03	1.537311e-05
	E37-39	1.309612e-02	9.132808e-06	7.356204e-03	2.067650e-05
	R_S	1.676722e-07	2.484744e-07	1.146717e-01	1.651243e-01
	R_S	3.516639e-07	5.076571e-07	1.542865e-04	2.381057e+00
	R_S	2.838548e-07	4.202055e-07	6.009086e-05	1.083068e-04
	T	0.000000e+00	0.000000e+00	3.284254e-02	6.209064e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
IT	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

A01	4.575928e-05	6.407180e-05	2.924168e-04	4.679073e-03
A01	1.078026e-03	1.539010e-03	2.710116e-02	7.226780e-03
A01	1.134575e-02	2.796638e-02	1.132897e-01	1.294904e+00
A01	1.875119e-12	1.836849e-05	3.550691e-04	4.678845e-03
A01	4.691755e-13	8.151601e-13	7.959740e-08	3.082593e-08
A01	1.415228e-10	2.458861e-10	2.400988e-05	9.298381e-06
A01	9.302243e-05	1.096857e-04	5.093268e-02	1.258869e+00
A01	6.451226e-12	1.120856e-11	7.592254e-04	4.056890e-01
A01	1.735270e-13	3.014911e-13	1.915994e-04	1.262202e-02
A01	7.709681e-13	1.339504e-12	1.940338e-04	1.277577e-02
A01	7.184279e-05	8.550688e-05	5.718531e-03	8.275720e-02
A01	4.909612e-06	5.667153e-06	3.470928e-04	6.259861e-04
A01	3.889933e-12	6.758491e-12	2.760227e-04	3.471782e-02
A01	5.098474e-13	8.858248e-13	4.371401e-05	3.349817e-08
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0.000000e+00	0.000000e+00	2.088747e-05	2.862963e-07
A03	0.000000e+00	0.000000e+00	1.667091e-08	5.042956e-08
B_nongas	1.107551e-04	2.374787e-04	4.105964e-04	8.309026e-04
B_nongas	1.174673e-05	1.888395e-05	9.991177e-04	5.737782e-03
B_gas	1.334538e-05	2.139434e-05	2.178392e-03	1.309062e-02
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.092987e-08	1.916170e-08	7.625236e-07	4.182475e-06
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	2.373086e-09	4.181933e-09	1.283230e-07	6.770857e-07
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.001321e-04	1.085606e-04	3.394506e-04	7.629785e-01
B_nongas	2.247770e-04	2.616377e-04	8.834485e-04	3.905244e-02
B_nongas	2.409229e-02	3.748997e-02	1.259869e-01	1.669956e-01
C10-12	2.115953e-03	3.546117e-03	4.635063e-02	9.276794e-02
C10-12	2.573542e-03	4.300942e-03	5.590209e-02	1.102931e-01
C10-12	2.978328e-04	3.894372e-04	3.308799e-03	7.863106e-03
C10-12	1.123376e-02	1.918036e-02	2.576102e-01	5.094889e-01
C10-12	2.061206e-03	3.448182e-03	5.186884e-02	1.271741e-01
C10-12	1.884733e-03	2.668698e-03	4.995204e-02	2.157048e-01
C10-12	8.803446e-04	1.485687e-03	2.071951e-02	4.706833e-02
C10-12	8.515812e-04	1.412522e-03	1.867387e-02	3.751058e-02
C10-12	4.744951e-02	8.086485e-02	1.152483e+00	2.570487e+00
C10-12	1.070117e-02	1.822647e-02	3.474629e-01	1.104732e+00
C10-12	2.816592e-04	3.267320e-04	1.489348e-03	8.255050e-02
C10-12	3.095826e-07	2.734320e-07	8.657718e-04	2.470613e-03
C13-15	2.008924e-01	2.568038e-01	1.103045e+00	1.283923e+00
C13-15	1.059975e-02	1.310155e-02	9.869637e-02	9.309971e-01
C13-15	1.169384e-04	2.594005e-04	1.590666e-01	9.703625e-01

C16	1.050461e-04	1.332493e-04	1.047928e-02	1.679646e-01
C16	1.025300e-04	1.275003e-04	1.049181e-02	1.685781e-01
C17	2.293693e-04	2.530249e-04	3.884350e-04	5.976788e-04
C17	6.241398e-03	6.885443e-03	1.124783e-02	1.890280e-02
C17	6.729184e-04	8.895436e-04	3.167515e-01	4.458491e+00
C18	1.699654e-03	1.851276e-03	2.255442e-01	8.501112e-01
C19	6.112407e-05	5.487617e-05	9.443580e-05	2.706007e-04
C19	9.499019e-01	1.179253e+00	2.696472e+00	5.612521e+00
C24	2.431103e-06	2.631742e-06	3.361613e-06	2.047052e-04
C20-21	3.297434e-01	3.519195e-01	3.569269e-01	4.639192e-01
C20-21	1.274477e-01	1.359380e-01	1.367266e-01	1.710934e-01
C20-21	9.021635e-07	1.055706e-06	2.246788e-04	4.177739e-04
C20-21	6.240588e-06	7.637851e-06	4.846237e-04	1.739671e-03
C20-21	2.082302e-03	3.495499e-03	7.533838e-03	2.907152e-02
C22	8.874279e-03	1.035352e-02	2.508832e-01	2.575783e+00
C23	4.727623e-04	5.497981e-04	1.473395e-03	1.705161e-01
C23	8.070338e-04	1.157717e-03	3.701398e-03	9.570455e-02
C23	3.534871e-03	5.056114e-03	1.602597e-02	2.502605e-01
C23	6.773936e-04	9.707894e-04	5.926427e-03	2.317741e-02
C23	5.387746e-03	7.727443e-03	2.454184e-02	1.701876e-01
C23	1.392032e-03	1.998458e-03	6.370174e-03	4.748823e-02
C23	2.798140e-03	4.073415e-03	1.260362e-02	7.590451e-02
C24	2.392053e-02	4.266107e-02	2.081861e-01	3.530289e-01
C24	2.846688e-02	5.009703e-02	2.407301e-01	4.076799e-01
C24	1.987730e-03	2.507161e-03	4.916235e-02	8.372752e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.155756e-04	1.133547e-03	3.024532e-03	8.494790e-03
C24	3.721968e-03	4.582107e-03	1.199718e-02	3.493253e-02
C24	6.666479e-04	8.222690e-04	1.165729e-02	2.950960e-02
C24	5.715503e-04	7.047592e-04	1.006102e-02	2.543478e-02
C24	3.562324e-03	4.415926e-03	2.641812e-02	9.845329e-02
C24	1.063409e-03	1.322912e-03	7.752256e-03	2.864078e-02
C24	7.931200e-05	9.855935e-05	2.844184e-04	3.824355e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.300236e-03	4.070939e-03	1.063205e-02	2.447044e-02
C25_33	6.596046e-03	1.280015e-02	6.077704e-01	2.017358e+00
C25	9.042439e-03	1.589928e-02	9.761104e-01	5.507872e+00
C26	1.182334e-03	2.193222e-03	2.623677e-02	2.208932e-01
C27	4.130988e-02	7.757235e-02	6.374139e-01	3.789302e+00
C27	1.454267e-03	2.251250e-03	6.539302e-02	8.507407e-01
C28_32	1.422623e-03	1.765446e-03	3.511408e-02	1.406865e+00
C29	1.555137e-02	3.066107e-02	1.566497e-01	1.464103e+00
C30	2.439169e-02	3.926261e-02	1.432314e-01	4.182218e-01
C31	3.606112e-03	4.695380e-03	2.473123e-02	1.167919e-01
E37-39	2.763010e-04	1.202087e-04	6.578801e-04	1.411807e-03
E37-39	3.609974e-05	3.208680e-05	7.072643e-04	3.416565e-03
D35	5.385466e-05	1.019797e-04	8.378318e-04	4.849493e-03
D35	5.400839e-04	1.022708e-03	8.304505e-03	4.822138e-02

D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.203859e-05	6.066857e-05	4.973612e-04	2.884646e-03
D35	4.885081e-05	5.802399e-05	1.848931e-04	7.832276e-04
D35	3.674301e-10	5.525108e-10	2.998865e-05	9.153185e-05
D35	1.166000e-05	1.841299e-05	1.205235e-04	6.669194e-04
D35	4.608592e-07	5.278954e-07	1.429872e-06	5.373859e-06
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	6.290426e-05	7.223333e-05	2.541219e-04	7.519896e-04
D35	9.493130e-05	1.028875e-04	2.000700e-04	5.022275e-04
D35	9.464484e-05	1.025770e-04	1.994663e-04	5.007121e-04
D35	5.554452e-04	1.051796e-03	8.588106e-03	4.994375e-02
D35	1.292085e-04	2.446705e-04	2.010132e-03	1.163494e-02
D35	3.529748e-04	6.683965e-04	5.453551e-03	3.172699e-02
E36	3.414770e-04	6.466241e-04	5.248356e-03	3.057055e-02
F	3.216116e-06	3.092270e-06	1.060422e-02	1.464520e-01
F	2.613104e-06	2.884516e-06	1.399004e-05	1.527750e-04
G45	2.966001e-02	3.428044e-02	9.145232e-02	5.864752e-01
G47	1.471228e-03	1.719954e-03	5.118077e-03	3.098995e-02
G46	6.854163e-02	6.427727e-02	2.063018e-01	7.055652e-01
G47	6.494115e-02	7.175816e-02	2.721816e-01	1.806912e+00
I	2.085740e-02	2.404433e-02	1.431983e+00	2.133396e+00
H49	2.407314e-03	2.801303e-03	6.859927e-02	1.799418e-01
H49	9.297269e-03	7.150862e-04	2.051925e-01	5.169036e-01
H49	4.949064e-03	5.678998e-03	1.261828e-03	1.257078e-02
H50	6.554148e-02	7.289489e-02	8.640073e-02	1.215899e-01
H50	7.822268e-06	9.257588e-06	6.208789e-05	8.150829e-04
H51	6.110297e-01	7.158079e-01	3.064985e+00	3.963679e-03
H52	1.071007e-02	1.195046e-02	7.692807e-02	2.110902e-01
H53	2.152675e-04	2.552688e-04	5.035375e-01	1.376311e+00
K64	1.092318e-05	1.461373e-05	6.279725e+00	1.515337e+00
K65	8.860578e-09	1.354364e-08	7.658212e-04	2.882934e-03
K66	1.798533e-06	2.481610e-06	3.224166e-01	2.157352e-01
L68	1.097687e-05	1.948187e-05	5.859051e-03	6.648617e-02
M_N	3.955310e-04	2.073808e-04	6.707758e-03	2.016004e-02
J62_63	4.232895e-04	4.558157e-04	2.190943e-01	1.150730e+00
M_N	2.409833e-03	2.584890e-03	2.389719e-01	1.028020e-01
M_N	9.099650e-05	1.272916e-04	3.531834e-02	3.453470e+00
O84	2.152050e-06	4.459513e-07	3.809187e-03	1.113216e-02
P85	8.891788e-05	1.446371e-04	2.676060e-03	9.770090e-03
M_N	5.674863e-05	8.291566e-05	3.940049e-03	1.661991e-02
E37-39	1.856513e-05	2.238833e-05	7.062208e-05	2.781733e-04
E37-39	1.986877e-05	2.405360e-05	7.333450e-05	2.797227e-04
E37-39	7.122095e-03	2.111594e-05	1.882751e-02	2.718082e-04
E37-39	3.093306e-05	3.975571e-05	1.133145e-04	4.607344e-04
E37-39	2.879395e-06	3.496382e-06	1.071215e-05	4.053204e-05
E37-39	6.846492e-06	8.441093e-06	2.555581e-05	9.694722e-05
E37-39	2.850797e-05	4.048149e-05	1.004779e-04	4.251908e-04

[illegible]

B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	4.496225e-07	4.004704e-07	1.230206e-06	5.081644e-06
B_nongas	5.683248e-07	5.067893e-07	1.553547e-06	9.095462e-05
B_nongas	2.288762e-05	3.555583e-05	1.192506e-04	1.548283e-04
C10-12	4.180743e-06	6.839479e-06	8.551812e-05	1.799667e-04
C10-12	6.390173e-06	9.730486e-06	9.840374e-05	2.098454e-04
C10-12	5.778780e-06	9.365007e-06	1.157532e-04	2.559408e-04
C10-12	6.661107e-06	1.125767e-05	1.582554e-04	3.716416e-04
C10-12	1.979287e-09	1.461510e-09	9.606749e-05	5.315302e-04
C10-12	1.101876e-04	1.720083e-04	6.217807e-03	3.240080e-02
C10-12	3.404943e-10	2.235235e-10	9.986100e-09	5.187813e-08
C10-12	4.725657e-06	6.406639e-06	5.158391e-05	1.106549e-04
C10-12	1.682761e-03	2.874842e-03	3.958417e-02	8.209655e-02
C10-12	4.133904e-04	7.044331e-04	1.205571e-02	3.372791e-02
C10-12	8.922859e-06	1.110303e-05	2.962544e-05	2.368150e-03
C10-12	3.114152e-05	4.763372e-05	1.590916e-03	8.105501e-03
C13-15	1.487050e-03	1.904706e-03	8.179933e-03	8.774048e-03
C13-15	1.766282e-04	2.243772e-04	1.224531e-03	6.316262e-03
C13-15	4.038595e-06	4.456614e-06	6.961687e-05	3.164808e-04
C16	1.775282e-06	2.039197e-06	2.614214e-03	4.900290e-02
C16	1.484360e-06	1.485982e-06	1.691921e-04	3.101221e-03
C17	2.555133e-06	2.515518e-06	2.057309e-04	8.443027e-04
C17	3.947726e-07	3.877952e-07	3.057788e-05	1.162167e-04
C17	4.551922e-06	5.328662e-06	1.623158e-03	2.059983e-02
C18	6.120776e-06	5.974594e-06	1.122255e-02	3.256888e-02
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	4.320399e-02	5.368630e-02	1.248824e-01	2.715137e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.472355e-04	1.569075e-04	1.658246e-04	2.258010e-04
C20-21	1.556793e-05	1.659136e-05	1.822027e-05	3.299153e-05
C20-21	3.403179e-07	3.656884e-07	2.958019e-06	1.073045e-05
C20-21	4.734899e-06	5.087867e-06	4.380752e-05	1.642677e-04
C20-21	3.223487e-06	5.094764e-06	3.951450e-06	1.545902e-05
C22	1.293058e-04	1.659414e-04	1.597349e-03	1.434034e-02
C23	4.593476e-06	4.898066e-06	1.536015e-05	3.115661e-03
C23	1.094226e-06	1.160937e-06	3.707314e-06	4.557851e-04
C23	1.023372e-06	1.076833e-06	3.254224e-06	8.211916e-05
C23	3.623375e-07	3.814714e-07	1.164297e-06	4.491502e-06
C23	2.103827e-06	3.268246e-06	2.263974e-05	1.438391e-04
C23	1.279440e-06	1.357174e-06	4.084978e-06	1.544536e-05
C23	5.289129e-06	5.864752e-06	1.757213e-05	5.650757e-05
C24	6.669758e-06	1.679315e-05	1.089496e-04	1.679232e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.302808e-09	3.813106e-09	4.275959e-06	7.769155e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.382106e-08	4.748075e-08	1.368143e-05	1.834826e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.190918e-07	9.600662e-08	7.577063e-05	1.789276e-04

C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.991837e-08	9.125863e-08	2.376701e-05	5.807635e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.308023e-09	1.000587e-09	9.166712e-07	2.176763e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.176711e-07	6.013854e-07	4.838430e-06	2.879255e-05
C25_33	1.100549e-05	1.575312e-05	2.238725e-03	6.673839e-03
C25	4.931039e-05	7.278092e-05	1.276479e-03	9.100628e-03
C26	1.001557e-06	1.753428e-06	1.902984e-05	1.273210e-03
C27	1.525440e-04	2.849242e-04	2.599364e-03	1.717241e-02
C27	6.849668e-06	1.230263e-05	1.041931e-04	7.584494e-04
C28_32	1.046375e-05	1.690284e-05	2.746342e-04	1.295301e-02
C29	5.744704e-05	1.098230e-04	4.450218e-04	4.189142e-03
C30	4.135446e-04	6.628244e-04	2.079070e-03	7.038341e-03
C31	6.029304e-05	8.633479e-05	6.160485e-04	4.540756e-03
E37-39	7.972261e-06	3.935887e-06	5.535759e-06	3.172181e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.538618e-10	1.710251e-10	5.956264e-08	1.575710e-07
D35	7.231337e-08	6.368190e-08	1.640844e-05	4.386451e-05
D35	3.066975e-07	2.728429e-07	2.966908e-05	6.836599e-05
D35	2.096494e-08	3.076037e-08	1.126296e-06	2.742036e-06
D35	2.432457e-09	2.143756e-09	1.321471e-07	2.526697e-07
D35	1.613394e-08	1.436566e-08	1.380720e-06	3.075455e-06
D35	5.263909e-10	4.508987e-10	2.311664e-07	6.706080e-07
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.191793e-08	1.059197e-08	1.305801e-06	3.112865e-06
D35	5.870490e-07	5.230496e-07	4.571378e-05	9.978173e-05
D35	1.190507e-07	1.063378e-07	5.518982e-06	9.472340e-06
D35	6.516326e-07	3.145086e-07	4.787548e-06	2.276307e-05
E36	1.021622e-04	4.895562e-05	8.516761e-05	1.023651e-04
F	8.776283e-07	9.895268e-07	3.175598e-04	2.131154e-03
F	4.291207e-08	4.209488e-08	2.816991e-07	1.064192e-06
G45	3.161834e-04	3.647665e-04	8.707300e-04	6.092922e-03
G47	1.077800e-05	1.201117e-05	7.217986e-06	7.316885e-05
G46	7.471734e-03	1.045696e-02	3.543044e-02	1.894544e-01
G47	6.640599e-04	7.506392e-04	2.472597e-03	8.668217e-03
I	1.245157e-04	1.438434e-04	8.766118e-03	1.301293e-02
H49	7.271011e-05	8.320819e-05	1.996541e-03	5.080457e-03
H49	1.375538e-04	1.042853e-05	3.043811e-03	7.436097e-03
H49	1.077233e-05	1.249820e-05	2.365499e-06	2.505850e-05
H50	5.448862e-05	6.059933e-05	7.145212e-05	9.901333e-05
H50	5.083231e-07	5.788975e-07	5.934407e-06	1.233244e-04
H51	6.043483e-03	7.079613e-03	3.031250e-02	1.463590e-05
H52	8.579524e-05	9.673081e-05	1.340858e-03	1.278529e-02

H53	6.178938e-06	1.122656e-05	1.449305e-03	5.557794e-03
K64	8.106954e-08	1.084677e-07	4.722668e-02	1.132389e-02
K65	4.876521e-11	7.271903e-11	3.951677e-06	2.022781e-05
K66	5.319956e-09	7.083015e-09	1.051270e-03	6.803456e-04
L68	2.794077e-06	2.101899e-06	1.642625e-05	2.109885e-03
M_N	1.080343e-05	1.881604e-05	1.457125e-04	1.236934e-03
J62_63	3.874365e-07	7.840106e-07	9.714479e-04	7.736145e-03
M_N	3.629082e-07	4.795310e-07	2.394040e-02	9.411005e-03
M_N	6.398436e-06	4.290609e-06	5.858596e-04	1.714755e-02
O84	3.784141e-09	5.080084e-09	2.147863e-03	5.578403e-04
P85	1.251029e-06	1.399723e-06	2.166240e-04	5.747100e-04
M_N	1.515923e-06	1.664686e-06	6.016072e-05	1.556347e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	2.972416e-11
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	2.519841e-11
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	3.727417e-07	4.797318e-07	1.156394e-06	1.670490e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	7.975021e-08	1.525735e-07	1.679684e-07	7.302709e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	6.333011e-08	8.723649e-08	1.870421e-07	3.287808e-06
E37-39	7.319633e-07	9.713558e-07	1.620211e-06	2.271009e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.738414e-07	1.874804e-07	5.394573e-07	4.301618e-06
E37-39	4.059331e-07	5.267789e-07	2.226439e-06	1.585923e-05
E37-39	6.312476e-07	6.503173e-07	1.894381e-06	2.063040e-05
E37-39	3.633463e-07	3.931635e-07	1.058410e-06	1.450489e-05
E37-39	7.038534e-05	8.498063e-05	4.500823e-05	1.992163e-04
E37-39	2.398165e-06	2.743195e-06	6.205043e-06	8.596592e-05
E37-39	5.868592e-05	7.037518e-05	3.490276e-05	2.170578e-06
E37-39	1.106276e-04	1.363643e-07	6.233449e-05	2.476176e-06
R_S	4.915199e-10	6.853075e-10	3.064588e-04	2.317891e-04
R_S	2.628329e-06	2.849577e-06	2.315225e-05	1.638555e-02
R_S	2.419537e-09	3.581736e-09	5.131081e-07	1.285823e-06
T	0.000000e+00	0.000000e+00	6.880424e-04	1.300782e-03
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
LU A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	6.635370e-05	9.290793e-05	3.337756e-04	4.266245e-03
A01	4.251381e-05	6.069355e-05	1.182989e-03	3.498027e-03
A01	1.621230e-04	3.996212e-04	1.505653e-03	1.782155e-02
A01	0.000000e+00	3.268112e-06	6.311710e-05	8.324357e-04
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	1.519343e-05	2.588889e-05	2.004546e-03	4.707979e-02
A01	0.000000e+00	0.000000e+00	4.857990e-05	5.133989e-03
A01	0.000000e+00	0.000000e+00	7.848702e-06	5.173008e-04
A01	0.000000e+00	0.000000e+00	1.061010e-06	6.899717e-05

A01	3.622803e-06	6.089627e-06	9.331211e-05	2.587100e-04
A01	4.051965e-06	6.818944e-06	1.035715e-04	2.810276e-04
A01	0.000000e+00	0.000000e+00	1.894096e-04	1.247968e-02
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0.000000e+00	0.000000e+00	4.837707e-06	6.630855e-08
A03	0.000000e+00	0.000000e+00	1.718194e-10	5.197545e-10
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	2.787922e-06	6.817453e-06	1.117005e-04	2.514997e-02
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	5.611036e-05	9.593014e-05	1.299493e-03	2.662001e-03
C10-12	9.576979e-05	1.637348e-04	2.217772e-03	4.508472e-03
C10-12	6.171460e-06	1.053659e-05	4.202421e-04	1.398719e-03
C10-12	7.016396e-04	1.199706e-03	1.614929e-02	3.187097e-02
C10-12	3.781719e-04	6.466127e-04	9.112579e-03	1.945221e-02
C10-12	2.021831e-05	3.446021e-05	4.614176e-03	2.801754e-02
C10-12	2.568637e-05	4.392017e-05	5.914027e-04	1.165530e-03
C10-12	6.196547e-08	8.443025e-08	2.095217e-03	6.700996e-03
C10-12	2.492510e-03	4.261595e-03	6.058899e-02	1.345702e-01
C10-12	2.760564e-04	4.719229e-04	9.461573e-03	3.156317e-02
C10-12	1.831788e-07	2.599569e-07	5.046441e-05	5.742419e-04
C10-12	7.469204e-04	6.577200e-04	2.896145e-03	7.250254e-03
C13-15	1.038012e-02	1.315951e-02	5.599475e-02	6.027622e-02
C13-15	3.258791e-07	2.197398e-07	2.877104e-05	5.667570e-04
C13-15	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C16	3.836505e-07	3.639358e-07	4.357760e-04	8.221145e-03
C16	5.600174e-08	5.311950e-08	6.336372e-05	1.195312e-03
C17	2.337330e-04	2.613274e-04	3.577923e-03	9.773103e-03
C17	6.703313e-05	7.525686e-05	1.217871e-03	3.368482e-03
C17	3.911309e-05	7.320374e-05	4.593057e-02	2.452313e-01
C18	3.200009e-04	7.957120e-04	3.145106e-02	1.071294e-01
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.311067e-04	1.399746e-04	3.427084e-04	1.259519e-03

C20-21	5.549831e-02	5.913582e-02	5.660264e-02	6.235931e-02
C20-21	1.085999e-07	9.579995e-08	1.226916e-05	2.240379e-05
C20-21	6.095700e-07	6.098624e-07	8.864910e-05	3.793625e-04
C20-21	1.016700e-04	1.524585e-04	1.016418e-04	3.670086e-04
C22	3.604076e-04	3.182505e-04	1.813576e-02	2.013514e-01
C23	8.803665e-08	5.455106e-08	3.411396e-04	9.684567e-04
C23	8.720100e-07	7.703295e-07	2.416283e-06	7.998713e-05
C23	6.403133e-05	5.657634e-05	1.804700e-04	1.894081e-03
C23	2.840810e-05	2.509749e-05	2.506678e-04	2.540669e-04
C23	7.048811e-06	6.361465e-06	1.935964e-05	6.198722e-05
C23	2.734644e-05	2.479872e-05	7.467640e-05	2.381472e-04
C23	1.218374e-04	1.141886e-04	3.499391e-04	9.983760e-04
C24	5.099059e-05	1.272884e-04	8.219340e-04	1.528582e-03
C24	1.972629e-03	4.473514e-03	2.618116e-02	4.777922e-02
C24	7.842406e-05	1.607128e-04	1.520056e-02	2.856051e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.996131e-04	5.280474e-04	2.021374e-03	1.506587e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.434321e-04	2.615539e-04	3.478629e-02	9.558114e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.245479e-10	5.617733e-10	1.485338e-06	2.847942e-05
C24	2.488164e-04	4.445900e-04	4.574032e-03	2.757206e-02
C24	4.517731e-05	7.857815e-05	3.172848e-04	6.496562e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	4.723094e-04	5.287308e-04	3.449128e-02	2.408677e-01
C25	2.115538e-04	2.184328e-04	1.665251e-02	8.880281e-02
C26	5.054872e-07	9.703755e-07	1.153338e-04	3.415364e-03
C27	8.050534e-04	1.520296e-03	1.217223e-02	7.139537e-02
C27	5.855553e-07	1.391558e-06	7.469804e-04	1.621145e-02
C28_32	2.609528e-04	2.318370e-04	2.583093e-03	1.655264e-01
C29	8.014044e-04	1.801258e-03	1.404347e-02	9.168434e-02
C30	9.929217e-04	1.591552e-03	5.634108e-03	1.548554e-02
C31	1.851684e-05	2.051613e-05	2.649108e-05	7.130423e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.421865e-05	1.394826e-05	1.571439e-04	3.782194e-03
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.727134e-07	3.298318e-07	1.447961e-06	1.294512e-05
D35	1.751484e-07	1.564497e-07	7.606123e-07	8.318160e-06
D35	2.493615e-11	1.229859e-11	3.057978e-05	2.014391e-03
D35	2.834718e-07	2.502267e-07	2.881554e-06	7.856715e-05
D35	4.819898e-08	4.248043e-08	1.742894e-07	1.208969e-06
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

D35	1.321354e-06	1.173988e-06	9.131362e-06	1.858468e-04
D35	1.263896e-05	1.127036e-05	7.138720e-05	1.226606e-03
D35	2.299808e-06	2.046824e-06	3.072195e-05	8.584030e-04
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	1.055453e-07	9.234890e-08	4.123139e-07	1.253112e-05
F	1.181543e-04	1.078100e-04	8.614149e-03	5.742361e-02
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	8.293174e-03	9.544909e-03	2.264682e-02	1.399454e-01
G47	9.831903e-04	1.133825e-03	1.709748e-05	1.638170e-04
G46	4.216595e-02	3.717566e-02	8.910341e-02	2.353433e-01
G47	1.607052e-02	1.665263e-02	3.325824e-02	1.035675e-01
I	4.216209e-04	4.734559e-04	2.339896e-02	3.533786e-02
H49	1.400269e-04	1.543999e-04	3.035131e-03	1.148316e-02
H49	2.886494e-04	1.597625e-04	4.755864e-03	2.027976e-02
H49	6.574140e-05	7.347860e-05	2.077305e-04	1.476650e-03
H50	1.546463e-03	1.719910e-03	2.036543e-03	2.900633e-03
H50	1.792053e-07	2.040603e-07	2.630131e-06	2.789241e-05
H51	7.126813e-03	8.293473e-03	3.550792e-02	5.829127e-03
H52	7.603291e-04	8.090371e-04	1.476818e-03	9.574286e-03
H53	2.468610e-04	2.173983e-04	1.817368e-02	4.178251e-02
K64	3.888167e-05	5.200111e-05	2.271810e+01	5.393384e+00
K65	1.228661e-10	1.806615e-10	1.932798e-07	1.460853e-05
K66	3.708860e-06	4.936413e-06	7.340575e-01	4.714722e-01
L68	6.878449e-05	6.245336e-05	3.056885e-04	8.789352e-03
M_N	1.482680e-04	1.311974e-04	4.960860e-04	1.709608e-03
J62_63	1.398058e-04	1.238701e-04	2.769916e-02	1.422386e-01
M_N	3.971016e-07	5.129124e-07	1.106133e-02	5.620230e-03
M_N	6.574040e-05	7.956961e-05	1.306894e-03	1.790273e-01
O84	2.689837e-07	3.034535e-07	4.111328e-05	6.695768e-04
P85	4.253642e-06	4.677109e-06	9.661293e-05	2.407242e-04
M_N	3.131132e-05	3.370606e-05	2.649904e-04	4.837074e-04
E37-39	2.249539e-06	2.941504e-06	1.082391e-05	6.108687e-05
E37-39	2.195767e-06	3.025872e-06	1.018144e-05	5.055702e-05
E37-39	2.044180e-03	1.825137e-06	5.397491e-03	1.147739e-05
E37-39	4.162808e-06	6.528220e-06	1.114709e-05	7.714981e-05
E37-39	4.543746e-07	6.313139e-07	2.183163e-06	1.029900e-05
E37-39	8.234805e-07	1.199075e-06	3.776071e-06	1.646468e-05
E37-39	1.963134e-06	3.498993e-06	4.539452e-06	2.456817e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.230087e-05	1.961106e-05	1.410070e-05	9.762664e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	9.783077e-07	1.150662e-06	1.627484e-06	9.744076e-06
E37-39	2.835453e-06	3.525763e-06	3.914319e-06	2.414584e-05
E37-39	9.382521e-07	1.114844e-06	1.560790e-06	9.041886e-06
E37-39	8.106108e-07	9.802337e-07	1.410409e-06	8.405480e-06
E37-39	1.586535e-04	1.915383e-04	1.016375e-04	4.489956e-04

LV	E37-39	5.022983e-07	6.674806e-07	7.809683e-07	4.670990e-06
	E37-39	6.625504e-05	7.945304e-05	3.938892e-05	1.068891e-06
	E37-39	2.645971e-04	2.467574e-07	1.488342e-04	1.511465e-06
	R_S	2.110685e-07	1.430792e-07	1.251066e-02	1.916357e-02
	R_S	1.434569e-04	1.366919e-04	3.352597e-04	3.839223e-01
	R_S	8.031805e-05	8.483137e-05	2.850039e-04	9.965029e-04
	T	0.000000e+00	0.000000e+00	4.826445e-02	9.124661e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	4.039637e-02	5.656266e-02	1.407226e-01	8.397461e-01
	A01	3.673253e-03	5.244007e-03	9.221697e-02	2.108531e-02
	A01	3.621453e-03	8.926608e-03	3.363283e-02	3.980929e-01
	A01	5.478527e-09	1.112655e-08	6.531984e-08	8.686920e-07
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.635701e-05	2.307566e-05	2.177690e-03	3.407550e-02
	A01	3.621200e-09	7.354436e-09	6.546772e-07	4.086445e-05
	A01	4.176685e-09	8.482579e-09	6.969688e-07	4.318690e-05
	A01	2.683000e-09	5.444578e-09	5.928051e-07	3.727604e-05
	A01	1.095198e-06	1.263903e-06	7.749468e-05	1.951565e-04
	A01	1.609903e-06	1.865437e-06	1.132711e-04	2.955407e-04
	A01	1.013372e-08	2.057079e-08	2.829956e-06	1.798376e-04
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	7.724842e-06	8.648401e-06	1.408134e-04	1.473366e-03
	A03	1.639175e-06	2.175373e-06	4.051772e-05	2.126788e-04
	B_nongas	4.004939e-06	5.158924e-06	2.699405e-02	5.226654e-05
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.326509e-07	1.437684e-07	2.750843e-07	6.881042e-07
	B_nongas	3.977515e-07	4.310868e-07	8.248352e-07	2.063268e-06
	B_nongas	1.068138e-05	1.656176e-05	5.536870e-05	7.179834e-05
	C10-12	1.125696e-05	1.796224e-05	2.146295e-04	4.550980e-04
	C10-12	3.280379e-05	5.380679e-05	6.764041e-04	1.388427e-03
	C10-12	1.628330e-05	2.682976e-05	3.452114e-04	8.221765e-04
	C10-12	1.699674e-04	2.830040e-04	3.623327e-03	7.403742e-03
	C10-12	2.251694e-06	2.697530e-06	9.550831e-06	2.149899e-05
	C10-12	7.134273e-05	1.019317e-04	2.012424e-03	9.456343e-03

C10-12	2.135100e-07	2.557294e-07	8.618397e-07	1.559412e-06
C10-12	6.129434e-06	9.447899e-06	1.168872e-04	3.978777e-04
C10-12	3.512910e-04	5.738036e-04	7.966752e-03	2.024869e-02
C10-12	1.199255e-04	1.975348e-04	4.472936e-03	1.704583e-02
C10-12	2.901590e-05	3.339298e-05	1.295710e-04	1.190814e-02
C10-12	2.694542e-05	3.200752e-05	1.684621e-04	3.761658e-04
C13-15	9.219671e-04	1.177727e-03	5.043793e-03	7.041267e-03
C13-15	1.176419e-04	1.493555e-04	7.409869e-04	2.830702e-03
C13-15	1.325425e-06	1.659469e-06	1.092730e-05	3.117843e-05
C16	7.463416e-05	8.747767e-05	6.437067e-03	1.088527e-01
C16	5.505175e-08	5.177806e-08	3.935973e-06	7.332158e-05
C17	1.188095e-07	1.046207e-07	2.430905e-07	5.598406e-07
C17	3.222961e-09	2.839246e-09	5.608439e-08	3.502154e-07
C17	1.352168e-06	1.654639e-06	7.068159e-04	1.001428e-02
C18	3.062373e-06	3.021221e-06	2.735852e-03	7.954090e-03
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	1.268825e-03	1.526325e-03	3.613545e-03	6.096966e-03
C24	1.227924e-07	1.081279e-07	2.501928e-07	5.715217e-07
C20-21	9.487622e-05	1.009785e-04	9.769137e-05	1.100806e-04
C20-21	6.611174e-05	7.030250e-05	6.856151e-05	7.855468e-05
C20-21	4.012905e-07	3.552252e-07	8.187175e-07	1.880187e-06
C20-21	6.196098e-05	5.495134e-05	1.293362e-04	3.019334e-04
C20-21	2.025425e-06	3.572483e-06	1.021555e-05	9.276436e-05
C22	2.996481e-04	3.595431e-04	1.508585e-03	8.962925e-03
C23	1.818159e-06	2.353574e-06	9.693493e-06	7.540993e-04
C23	3.114396e-07	3.984101e-07	1.707994e-06	6.305415e-06
C23	1.396167e-06	1.814814e-06	7.354579e-06	8.975557e-06
C23	4.049179e-06	5.074331e-06	2.136148e-05	2.583141e-05
C23	8.812515e-05	1.107193e-04	4.656470e-04	5.579105e-04
C23	3.390597e-06	4.252591e-06	1.785001e-05	2.127972e-05
C23	2.358407e-05	2.967631e-05	1.252496e-04	1.480426e-04
C24	2.100854e-04	5.184456e-04	3.342412e-03	5.146692e-03
C24	6.010906e-07	1.475962e-06	9.499341e-06	1.463482e-05
C24	3.161893e-10	2.784285e-10	6.442445e-10	1.471664e-09
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.710402e-07	4.481507e-07	1.400177e-06	2.387436e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.388192e-08	8.943869e-08	1.775487e-04	4.558191e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.157892e-06	1.101626e-06	3.441859e-06	5.868697e-06
C24	2.702096e-09	2.434025e-09	5.625737e-09	1.325332e-08
C24	3.709135e-08	3.521616e-08	1.110620e-07	1.895356e-07
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	1.195324e-05	1.557496e-05	1.048126e-03	2.584577e-03
C25	1.855197e-05	2.404313e-05	5.007198e-04	3.107905e-03
C26	9.995849e-06	1.185290e-05	8.388091e-05	2.464859e-03
C27	1.362815e-04	2.511998e-04	1.999351e-03	1.163170e-02

C27	6.409277e-06	6.730083e-06	3.128292e-03	5.949502e-02
C28_32	5.154154e-06	5.797733e-06	8.971362e-05	5.020173e-03
C29	4.584308e-05	9.229174e-05	3.192910e-04	3.839908e-03
C30	6.589184e-05	1.060702e-04	3.512990e-04	1.251396e-03
C31	1.256475e-05	1.429078e-05	3.057625e-05	1.151342e-04
E37-39	8.301622e-06	9.460777e-06	3.586167e-05	1.414698e-04
E37-39	1.074476e-04	1.292979e-04	3.524575e-04	8.371044e-04
D35	9.237065e-11	1.400074e-10	2.705019e-06	5.182866e-05
D35	2.480738e-06	2.664643e-06	2.099319e-05	8.794644e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.922918e-06	2.065471e-06	1.630234e-05	6.837479e-05
D35	3.130700e-08	3.669348e-08	2.998738e-07	1.252088e-06
D35	1.415586e-08	1.663562e-08	1.333234e-07	4.991311e-07
D35	4.172612e-08	4.887466e-08	4.048184e-07	1.767412e-06
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	6.041212e-07	6.499578e-07	5.219249e-06	2.321098e-05
D35	3.683712e-06	4.065420e-06	3.179801e-05	1.366420e-04
D35	1.245864e-06	1.338225e-06	1.054315e-05	4.417153e-05
D35	1.509477e-07	1.770006e-07	1.462317e-06	6.108662e-06
E36	7.574924e-05	3.465936e-05	4.416851e-05	2.672603e-05
F	4.262763e-05	4.848418e-05	1.878075e-03	1.215328e-02
F	1.975976e-08	2.200818e-08	7.577150e-07	4.714004e-06
G45	8.182306e-04	9.438471e-04	2.331765e-03	1.414180e-02
G47	4.805021e-05	5.286069e-05	6.273756e-05	1.218672e-04
G46	2.219752e-03	2.234021e-03	6.276911e-03	1.511612e-02
G47	1.387357e-03	1.512380e-03	8.294137e-03	1.662119e-02
I	8.182146e-04	9.536388e-04	5.510523e-02	8.289219e-02
H49	9.807866e-05	1.115214e-04	2.787298e-03	6.924149e-03
H49	1.973674e-04	5.885807e-06	4.365978e-03	9.898347e-03
H49	3.259696e-05	3.708135e-05	4.239070e-06	3.468889e-05
H50	1.613526e-03	1.794468e-03	2.117421e-03	2.950253e-03
H50	2.941116e-07	3.346730e-07	3.397492e-06	7.045233e-05
H51	1.399731e-02	1.639700e-02	7.020430e-02	5.572552e-05
H52	1.212228e-04	1.365876e-04	1.182159e-03	8.850982e-03
H53	4.438637e-07	8.316014e-07	3.365613e-03	9.036313e-03
K64	2.199125e-07	2.941151e-07	1.284972e-01	3.050483e-02
K65	0.000000e+00	0.000000e+00	8.501417e-09	2.160080e-08
K66	1.103456e-08	1.468675e-08	2.183959e-03	1.402718e-03
L68	2.960999e-06	3.449269e-06	1.487809e-04	2.930261e-03
M_N	2.882535e-06	3.023636e-06	1.127209e-05	8.252381e-05
J62_63	4.699723e-06	4.409597e-06	4.865971e-03	2.489003e-02
M_N	1.318069e-08	2.524534e-08	1.721672e-03	6.671700e-04
M_N	8.930174e-06	1.011250e-05	4.557612e-05	3.236650e-02
O84	0.000000e+00	0.000000e+00	1.865958e-07	3.446454e-08

	P85	1.452094e-07	1.664505e-07	9.507803e-06	1.153436e-05
	M_N	1.096338e-06	1.213170e-06	2.952573e-06	9.604904e-06
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.274899e-10	2.327718e-10	7.437814e-10	2.402399e-09
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	8.445400e-08	1.501686e-07	3.473177e-07	8.547130e-07
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	2.558536e-08	4.421577e-08	2.412101e-07	6.745126e-07
	E37-39	1.268658e-07	2.412803e-07	4.886757e-07	1.529811e-06
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.958307e-06	3.283328e-06	3.711872e-06	1.195733e-05
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	5.344006e-07	7.223882e-07	2.499483e-06	6.967962e-06
	E37-39	9.701986e-07	1.338345e-06	4.220360e-06	1.175648e-05
	E37-39	1.612610e-06	2.177780e-06	7.743214e-06	1.847647e-05
	E37-39	1.234435e-06	1.692973e-06	5.450778e-06	1.283367e-05
	E37-39	9.327829e-05	1.126309e-04	6.000154e-05	2.641956e-04
	E37-39	3.844300e-07	5.558531e-07	1.207940e-06	2.923728e-06
	E37-39	2.430687e-04	2.915456e-04	1.448862e-04	2.654683e-06
	E37-39	5.540768e-04	4.423617e-07	3.123931e-04	3.289317e-06
	R_S	2.261012e-08	1.478912e-08	8.436863e-04	1.615480e-03
	R_S	6.995330e-06	7.907748e-06	3.223322e-04	1.310426e-01
	R_S	1.662365e-06	1.481909e-06	5.643523e-06	1.181928e-05
	T	0.000000e+00	0.000000e+00	2.724972e-03	5.151710e-03
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
MT	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	7.983942e-11	1.283416e-10	7.043370e-11	1.762827e-09
	A01	9.942367e-05	1.419454e-04	2.494557e-03	5.531420e-04
	A01	5.424944e-05	1.336961e-04	5.036732e-04	5.961563e-03
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.782167e-05	4.757071e-05	8.740975e-04	2.669638e-03
	A01	4.188337e-11	6.732751e-11	8.386493e-05	5.525651e-03
	A01	2.060438e-10	3.312132e-10	4.576134e-05	3.015116e-03
	A01	1.418270e-10	2.279853e-10	6.299966e-05	4.150902e-03
	A01	8.198066e-05	1.401757e-04	2.000481e-03	1.120973e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	7.357738e-09	7.942859e-09	6.053518e-05	3.988053e-03
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A03	3.440796e-04	5.883287e-04	8.051475e-03	1.638897e-02
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.838161e-06	2.846129e-06	1.080030e-05	3.918701e-05
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	3.342163e-06	5.433495e-06	6.932116e-05	1.409334e-04
C10-12	1.954890e-05	3.336634e-05	4.482460e-04	8.874583e-04
C10-12	1.517359e-06	1.524783e-06	6.108864e-06	2.281410e-05
C10-12	4.630276e-05	7.908048e-05	1.086642e-03	3.618872e-03
C10-12	6.315616e-10	8.809043e-10	2.663206e-04	1.472574e-03
C10-12	6.800993e-06	6.749848e-06	5.432580e-05	2.601257e-04
C10-12	1.649837e-13	2.460248e-13	1.335614e-08	6.840150e-08
C10-12	6.483946e-12	8.681361e-12	3.884505e-07	1.229872e-06
C10-12	4.023223e-03	6.871940e-03	9.286692e-02	1.847779e-01
C10-12	2.977988e-04	5.068723e-04	7.026248e-03	1.479903e-02
C10-12	7.771896e-06	7.192307e-06	3.308123e-05	2.930336e-04
C10-12	2.458123e-10	3.344526e-10	5.313158e-04	1.462977e-03
C13-15	5.851139e-05	7.362615e-05	3.072893e-04	4.756388e-04
C13-15	1.525171e-06	1.491015e-06	7.890998e-05	1.143971e-03
C13-15	3.292032e-06	3.619740e-06	8.937419e-05	5.204721e-04
C16	8.337658e-07	9.042742e-07	6.599284e-06	3.296834e-05
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	4.922722e-05	5.429856e-05	1.337746e-04	2.468579e-04
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.483701e-06	1.940915e-06	4.463935e-04	5.940000e-03
C18	1.492574e-05	1.500528e-05	1.006728e-02	2.896360e-02
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	5.866675e-05	7.058288e-05	1.727729e-04	2.822172e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.282526e-03	1.366545e-03	1.525001e-03	3.917768e-03
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	4.859647e-08	4.907087e-08	2.355557e-05	1.207618e-04
C20-21	2.639487e-05	2.658805e-05	8.203832e-04	8.814507e-03
C22	1.141734e-05	1.052017e-05	2.058832e-03	2.336701e-02
C23	6.761113e-07	6.036927e-07	1.177219e-05	8.496713e-05
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	6.042482e-06	5.414302e-06	2.407667e-05	3.525800e-04
C23	8.330372e-08	7.427053e-08	3.980457e-06	4.125302e-06
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	4.129170e-05	5.866712e-05	1.677914e-04	9.881291e-05
C24	1.139697e-06	2.869760e-06	1.861734e-05	2.865861e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.869921e-12	1.171894e-11	1.503984e-08	5.140557e-07
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.212771e-12	1.534104e-11	2.168913e-05	5.571162e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.770953e-11	3.104917e-11	1.469840e-06	7.114600e-06
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	7.893784e-06	7.494573e-06	8.427576e-04	1.987318e-03
C25	4.167336e-06	6.049683e-06	1.239285e-03	6.579737e-03
C26	3.489937e-08	8.306988e-08	1.312437e-05	4.356737e-04
C27	1.764697e-04	3.328081e-04	2.731278e-03	1.610449e-02
C27	4.427490e-06	7.859985e-06	3.303998e-04	3.727506e-03
C28_32	6.453289e-06	7.816427e-06	1.419151e-04	1.460513e-03
C29	1.121871e-05	1.867180e-05	5.661280e-05	6.190064e-04
C30	3.341503e-05	5.353891e-05	1.866652e-04	5.387034e-04
C31	2.558256e-05	2.670491e-05	6.962601e-05	2.879687e-04
E37-39	7.239651e-07	4.116932e-07	1.431770e-05	3.531640e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.116234e-08	1.620454e-08	4.044811e-06	2.134220e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	4.398045e-08	6.384712e-08	1.593686e-05	8.408989e-05
D35	1.947416e-07	2.827095e-07	7.056704e-05	3.723428e-04
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	2.011429e-10	2.921439e-10	1.329270e-05	6.955893e-05
F	8.551022e-05	9.788955e-05	2.439099e-03	1.610697e-02
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.701012e-03	1.955575e-03	4.686073e-03	2.909356e-02
G47	2.809795e-05	3.167351e-05	1.429157e-05	5.422576e-05
G46	3.229722e-03	2.874144e-03	1.007673e-02	3.451657e-02

G47	3.518958e-03	3.806770e-03	7.761604e-03	2.152923e-02
I	1.980779e-04	2.213966e-04	9.968171e-03	1.779462e-02
H49	3.677325e-04	4.188410e-04	1.054876e-02	2.594078e-02
H49	4.135243e-04	1.495372e-05	9.109494e-03	2.054051e-02
H49	1.291606e-04	1.470878e-04	5.920496e-06	2.923386e-05
H50	3.215860e-04	3.576612e-04	4.570275e-04	7.710607e-04
H50	3.902375e-06	4.444487e-06	4.830931e-05	9.573740e-04
H51	1.343942e-02	1.575436e-02	6.749763e-02	1.604541e-03
H52	5.361812e-04	6.160681e-04	4.908670e-03	2.781112e-02
H53	1.047611e-06	7.401484e-07	2.838742e-02	7.614071e-02
K64	1.547753e-06	2.070412e-06	8.993540e-01	2.156438e-01
K65	2.460005e-09	3.667981e-09	1.991838e-04	1.019682e-03
K66	1.914739e-07	2.554071e-07	3.768463e-02	2.742131e-02
L68	2.757025e-07	3.984567e-07	8.665186e-04	1.035209e-02
M_N	2.332179e-04	2.414093e-04	1.274775e-03	5.007143e-03
J62_63	4.971858e-07	7.322299e-07	3.942477e-02	2.019107e-01
M_N	1.338657e-07	2.325489e-07	2.269862e-02	8.842048e-03
M_N	1.189781e-06	1.441764e-06	9.037495e-02	2.115310e-01
O84	1.930001e-05	2.259730e-05	4.659963e-04	5.368202e-03
P85	4.790419e-05	5.137647e-05	9.263270e-04	4.346430e-03
M_N	5.478214e-06	6.138465e-06	1.373646e-04	1.452452e-03
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	7.481312e-07	1.194182e-06	1.661013e-06	4.818051e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.564209e-07	2.971633e-07	3.221795e-07	1.253445e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	9.563381e-07	1.575616e-06	8.431308e-07	3.914675e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.316742e-06	1.600000e-06	1.650800e-06	6.667776e-06
E37-39	2.750425e-06	3.469534e-06	3.021965e-06	1.316107e-05
E37-39	6.426617e-06	7.844635e-06	7.981179e-06	2.679764e-05
E37-39	4.547026e-06	5.629418e-06	6.078473e-06	1.876053e-05
E37-39	3.363637e-04	4.061167e-04	2.151565e-04	9.497132e-04
E37-39	2.356959e-06	3.173958e-06	2.846068e-06	9.136725e-06
E37-39	5.338851e-04	6.402261e-04	3.177131e-04	7.057863e-06
E37-39	1.251356e-03	2.344404e-06	7.049599e-04	9.075300e-06
R_S	4.451459e-07	4.128169e-07	3.963015e-03	6.111302e-03
R_S	8.287160e-06	9.019660e-06	1.654170e-04	2.796791e-01
R_S	3.194803e-05	3.464765e-05	3.734582e-04	1.733223e-03
T	0.000000e+00	0.000000e+00	1.205076e-02	2.278262e-02
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
NL A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	2.965843e-05	4.152764e-05	3.265301e-04	4.668118e-03

A01	5.699029e-03	8.136041e-03	1.431162e-01	3.286980e-02
A01	1.166395e-02	2.875078e-02	1.087231e-01	1.284215e+00
A01	3.126331e-11	2.093179e-04	4.045090e-03	5.332926e-02
A01	4.636970e-10	6.914683e-10	3.753828e-05	1.922467e-04
A01	2.051775e-11	3.059621e-11	1.661001e-06	8.506568e-06
A01	1.165983e-04	1.548524e-04	8.353670e-02	2.050684e+00
A01	1.720129e-08	2.565068e-08	1.841288e-03	6.443413e-01
A01	1.596151e-08	2.380192e-08	1.733394e-03	3.568993e-02
A01	7.738038e-09	1.153902e-08	8.335659e-04	1.685168e-02
A01	1.384668e-05	1.442428e-05	3.950348e-03	2.412886e-02
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	2.213173e-08	3.300299e-08	7.261777e-03	4.140705e-01
A01	5.223973e-11	7.790025e-11	3.248369e-04	2.165836e-05
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	1.177424e-08	1.340845e-08	7.848655e-06	3.208132e-05
A03	6.185461e-05	1.039383e-04	4.506508e-03	2.303550e-02
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	8.655268e-09	1.197591e-08	7.291824e-06	5.391448e-05
B_gas	1.668299e-07	2.084124e-07	1.949076e-04	1.371600e-02
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.291439e-08	1.367014e-08	2.168398e-08	2.150572e-05
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	3.125481e-06	3.314404e-06	4.835089e-06	1.947872e-03
B_nongas	9.784081e-04	1.521204e-03	5.102185e-03	6.714884e-03
C10-12	7.576259e-03	1.293028e-02	1.739077e-01	3.477971e-01
C10-12	1.566232e-03	2.589372e-03	3.963982e-02	7.336125e-02
C10-12	4.858531e-04	8.025387e-04	1.162676e-02	2.456136e-02
C10-12	3.687646e-04	6.263731e-04	8.428459e-03	3.029595e-02
C10-12	5.417226e-03	9.243079e-03	1.257014e-01	2.524457e-01
C10-12	3.031644e-03	5.182516e-03	2.406962e-01	1.253840e+00
C10-12	2.750246e-04	4.702519e-04	6.367701e-03	1.274766e-02
C10-12	2.483931e-03	4.231990e-03	7.192223e-02	1.595838e-01
C10-12	8.098959e-02	1.384794e-01	2.104360e+00	4.941830e+00
C10-12	5.223642e-03	8.866258e-03	1.769884e-01	5.859812e-01
C10-12	7.914399e-05	8.574677e-05	9.356651e-04	1.500144e-01
C10-12	1.205062e-07	1.100426e-07	1.400351e-01	3.870554e-01
C13-15	2.474947e-02	3.169813e-02	1.378451e-01	1.505142e-01
C13-15	1.083866e-04	1.377785e-04	1.179039e-03	1.219771e-02
C13-15	1.653092e-05	2.241228e-05	2.286141e-03	1.470445e-02
C16	1.417447e-05	1.821974e-05	4.596855e-04	6.085175e-03

C16	8.466971e-05	1.159000e-04	2.976338e-03	3.754620e-02
C17	1.032406e-03	1.138326e-03	1.607319e-03	1.839231e-03
C17	1.330136e-02	1.466808e-02	2.155673e-02	2.643936e-02
C17	1.530587e-04	2.077152e-04	6.134198e-02	8.302525e-01
C18	2.001794e-04	1.231665e-04	8.111869e-01	2.347543e+00
C19	5.607197e-05	6.016422e-05	8.232061e-05	1.459552e-04
C19	7.080330e-01	8.769783e-01	2.153026e+00	4.568502e+00
C24	6.159613e-05	6.698757e-05	1.231373e-04	1.673313e-02
C20-21	8.856083e-02	1.016430e-01	1.815097e-01	3.574979e-01
C20-21	9.090092e-02	1.042582e-01	1.845605e-01	3.642119e-01
C20-21	1.652719e-04	2.047847e-04	8.627435e-04	1.777084e-03
C20-21	3.790848e-04	4.698503e-04	1.657758e-03	4.168865e-03
C20-21	1.130968e-02	1.516462e-02	3.594791e-02	8.049646e-02
C22	9.362895e-05	1.377933e-04	7.520578e-02	8.418997e-01
C23	1.134022e-05	1.506676e-05	1.111933e-04	6.323980e-03
C23	1.362666e-05	1.812349e-05	1.410174e-04	8.673897e-03
C23	1.275732e-05	1.627721e-05	9.740047e-05	1.098051e-02
C23	2.796483e-05	3.689326e-05	3.715978e-04	1.446265e-03
C23	1.677905e-04	2.381402e-04	2.013178e-03	9.314305e-03
C23	4.881923e-05	6.930274e-05	5.624176e-04	2.587218e-03
C23	5.256101e-05	7.660005e-05	4.719009e-04	1.816634e-03
C24	2.458902e-03	5.999454e-03	3.858355e-02	6.062282e-02
C24	4.331681e-04	1.068738e-03	6.897545e-03	1.076762e-02
C24	4.391878e-05	5.363934e-05	1.715063e-03	2.783093e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.812967e-04	2.206583e-04	1.194077e-03	5.508941e-03
C24	3.320965e-05	3.916995e-05	2.611919e-04	1.979472e-03
C24	1.575748e-04	1.917024e-04	1.719063e-02	4.572886e-02
C24	8.905489e-06	1.083087e-05	2.338487e-03	6.135264e-03
C24	3.301692e-04	4.025265e-04	1.002557e-02	4.565404e-02
C24	2.718280e-08	3.092590e-08	2.574863e-06	1.232391e-05
C24	2.865110e-04	3.488538e-04	1.685721e-03	1.102913e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.615028e-04	3.182959e-04	1.610899e-03	5.300384e-03
C25_33	5.637232e-04	7.043067e-04	1.453241e-01	3.709131e-01
C25	1.072566e-03	1.732501e-03	1.515969e-01	1.034271e+00
C26	1.081568e-03	1.745038e-03	8.418919e-03	9.789711e-02
C27	7.115281e-03	1.327131e-02	1.055264e-01	6.208305e-01
C27	6.452809e-04	1.087372e-03	3.175850e-02	3.036521e-01
C28_32	9.367425e-04	1.408649e-03	2.949727e-02	7.330776e-01
C29	7.948502e-03	1.593660e-02	6.407099e-02	6.619745e-01
C30	3.622435e-02	5.808769e-02	1.956301e-01	5.959784e-01
C31	3.883013e-04	5.193981e-04	1.993487e-02	5.713122e-01
E37-39	3.471841e-04	5.026032e-04	1.085739e-02	5.374898e-02
E37-39	5.077211e-04	1.254368e-03	8.241737e-03	1.363392e-02
D35	2.854654e-09	4.225570e-09	2.148005e-04	1.428485e-03
D35	9.975457e-09	1.477547e-08	7.939622e-04	3.970175e-03
D35	5.689852e-10	8.422276e-10	4.282666e-05	2.848096e-04

D35	9.420906e-12	1.405219e-11	7.326254e-07	4.872170e-06
D35	4.108589e-10	6.080052e-10	3.015874e-05	2.234267e-04
D35	3.256050e-10	4.819694e-10	2.450779e-05	1.629839e-04
D35	8.632727e-10	1.277044e-09	6.124306e-05	5.195212e-04
D35	4.559773e-12	6.783991e-12	3.058898e-07	3.458180e-06
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.023611e-10	7.429761e-10	3.485906e-05	3.207014e-04
D35	2.221322e-09	3.288061e-09	1.671955e-04	1.111898e-03
D35	8.541887e-09	1.264394e-08	6.429349e-04	4.275702e-03
D35	1.849994e-09	2.740179e-09	1.472439e-04	7.362871e-04
D35	5.642281e-10	8.351926e-10	4.245576e-05	2.823430e-04
E36	2.734838e-09	4.194717e-09	2.624449e-04	9.913863e-04
F	2.591359e-04	4.285381e-04	2.075152e-02	1.388915e-01
F	1.686906e-07	2.506596e-07	4.306435e-06	2.234615e-05
G45	4.066199e-03	4.690285e-03	1.188606e-02	1.799789e-01
G47	3.635971e-05	4.194086e-05	4.486509e-05	5.847515e-03
G46	1.527622e-01	1.847187e-01	6.049587e-01	1.840049e+00
G47	7.115020e-03	7.971289e-03	4.625836e-02	2.383066e-01
I	1.043678e-02	1.203853e-02	7.360833e-01	1.124546e+00
H49	3.200568e-04	3.644277e-04	1.131396e-02	3.716187e-02
H49	3.115328e-03	9.530530e-05	8.897808e-02	2.863546e-01
H49	9.815927e-05	1.117720e-04	1.698284e-04	1.039442e-03
H50	2.603179e-02	2.895132e-02	3.776183e-02	5.303594e-02
H50	3.966738e-05	2.007017e-05	2.079032e-03	5.784110e-03
H51	2.234249e-01	2.619125e-01	1.150695e+00	1.872914e-01
H52	5.093217e-04	3.494633e-04	2.267735e-02	1.899684e-01
H53	1.648044e-06	2.433729e-06	2.647341e-01	9.816889e-01
K64	1.335685e-06	1.791669e-06	6.558944e-01	2.250185e-01
K65	1.885592e-07	2.812997e-07	1.210816e-02	1.572352e-01
K66	6.119483e-07	8.308558e-07	1.090365e-01	1.180705e-01
L68	1.421063e-07	2.055092e-07	1.863114e-03	1.837379e-02
M_N	7.269457e-04	8.088678e-04	5.238825e-03	1.434742e-02
J62_63	6.887208e-05	1.003521e-04	7.871149e-01	3.868796e+00
M_N	3.520812e-06	6.092299e-06	5.881249e-01	2.725851e-01
M_N	9.925622e-05	1.136752e-04	3.525506e-02	3.870323e+00
O84	1.528751e-03	1.465484e-03	6.899756e-02	3.992401e-01
P85	2.510735e-05	2.908922e-05	1.157851e-01	9.177789e-02
M_N	9.153894e-05	1.056001e-04	8.209330e-03	2.068165e-02
E37-39	6.211663e-05	7.592629e-05	4.530202e-04	2.431799e-03
E37-39	1.078786e-04	1.231579e-04	4.082378e-04	1.894935e-03
E37-39	2.976620e-03	2.175833e-05	7.877971e-03	3.050194e-04
E37-39	1.469180e-04	1.759987e-04	6.497646e-04	2.255186e-03
E37-39	2.230207e-05	2.551636e-05	8.374181e-05	3.920447e-04
E37-39	3.793170e-05	4.406435e-05	1.499400e-04	6.284697e-04
E37-39	8.248591e-05	1.017966e-04	3.280290e-04	1.426054e-03
E37-39	1.561642e-05	1.747143e-05	8.784648e-05	4.304914e-04

	E37-39	2.140901e-06	2.395215e-06	1.155139e-05	5.646983e-05
	E37-39	8.453308e-05	9.937550e-05	3.645410e-04	1.490992e-03
	E37-39	2.653824e-04	3.987898e-04	2.295945e-03	7.700245e-03
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	2.354228e-05	2.688361e-05	9.037157e-05	3.911548e-04
	E37-39	6.742302e-05	7.738356e-05	2.366534e-04	1.021818e-03
	E37-39	1.308174e-05	1.494249e-05	5.043602e-05	2.161699e-04
	E37-39	8.752417e-06	9.993103e-06	3.564210e-05	1.527119e-04
	E37-39	1.493672e-04	1.800056e-04	1.091467e-04	4.852662e-04
	E37-39	8.985729e-05	1.124530e-04	5.673089e-04	2.487504e-03
	E37-39	6.166786e-05	7.385713e-05	4.155961e-05	2.638614e-05
	E37-39	4.771983e-04	6.412137e-06	2.862847e-04	9.297885e-05
	R_S	3.423088e-06	3.952356e-06	4.883553e-03	1.011841e-02
	R_S	8.812329e-06	9.532471e-06	1.820063e-02	6.227150e-01
	R_S	2.376723e-04	4.117506e-04	2.897131e-02	2.123434e-01
	T	0.000000e+00	0.000000e+00	3.899017e-03	7.371306e-03
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
PL	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.114774e-01	1.560897e-01	3.883483e-01	2.317683e+00
	A01	5.924446e-05	8.457842e-05	3.788941e-03	6.508296e-02
	A01	3.655348e-03	9.010161e-03	3.394763e-02	4.018191e-01
	A01	2.044369e-10	1.401117e-05	2.706135e-04	3.569171e-03
	A01	1.456150e-10	9.818799e-11	1.285605e-08	2.532483e-07
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.714847e-05	5.720533e-05	7.841932e-03	2.038783e-01
	A01	3.052524e-10	2.058313e-10	1.287804e-05	4.373098e-01
	A01	1.234072e-09	8.321334e-10	1.455347e-04	9.583775e-03
	A01	6.595018e-10	4.447012e-10	4.552892e-05	2.996665e-03
	A01	1.027203e-05	1.345499e-05	1.426203e-04	1.090719e-02
	A01	4.023290e-06	4.657910e-06	2.538046e-05	9.930594e-04
	A01	1.253260e-09	8.450715e-10	2.667044e-04	7.835390e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	5.479808e-06	5.567597e-06	3.593949e-04	6.937318e-03
	A03	1.166770e-04	1.370705e-04	6.823517e-04	5.583871e-04
	B_nongas	8.045904e-06	9.204608e-06	1.195958e-04	8.177521e-04
	B_nongas	1.250997e-07	2.482900e-07	4.147649e-05	2.387190e-04
	B_gas	6.251301e-07	1.198850e-06	7.856462e-06	1.656551e-05
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.877701e-04	4.400528e-04	3.068830e-03	6.539830e-03
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	2.426641e-06	4.937961e-06	3.421032e-05	7.055722e-05
	B_nongas	1.586220e-05	3.412995e-05	2.318627e-04	4.448637e-04
	B_nongas	1.299594e-09	3.015345e-09	1.040536e-07	1.620215e-06

B_nongas	5.731024e-06	1.178489e-05	8.136206e-05	4.938294e-04
B_nongas	1.217115e-05	2.413528e-05	1.684654e-04	8.418425e-04
B_nongas	1.156812e-04	1.810728e-04	6.219806e-04	8.233459e-04
C10-12	6.446529e-04	1.101058e-03	1.485729e-02	6.191305e-02
C10-12	8.210625e-04	1.387510e-03	1.860689e-02	4.058006e-02
C10-12	6.335921e-05	1.040163e-04	5.697746e-03	1.970680e-02
C10-12	5.817243e-03	9.946013e-03	1.339454e-01	2.691003e-01
C10-12	1.158247e-03	1.974149e-03	2.737871e-02	5.753070e-02
C10-12	4.438937e-04	7.427119e-04	4.906026e-02	2.820299e-01
C10-12	1.509511e-12	3.800912e-12	2.846847e-11	5.814679e-11
C10-12	5.636259e-04	9.595213e-04	1.255000e-01	3.825210e-01
C10-12	2.157046e-02	3.686934e-02	5.361170e-01	1.197542e+00
C10-12	7.177166e-03	1.225720e-02	2.180416e-01	6.471059e-01
C10-12	1.037373e-05	7.477651e-06	2.449042e-04	3.172235e-02
C10-12	1.004975e-05	1.110278e-05	1.876034e-02	5.207368e-02
C13-15	1.121493e-02	1.437743e-02	6.223513e-02	7.477845e-02
C13-15	3.169369e-04	4.019561e-04	3.100009e-03	2.950204e-02
C13-15	8.569060e-06	1.141356e-05	1.493782e-03	9.209081e-03
C16	1.403389e-04	1.555672e-04	3.276099e-03	4.436466e-02
C16	8.255777e-05	9.036148e-05	1.195303e-03	1.575205e-02
C17	5.108412e-03	5.634723e-03	8.021859e-03	1.048734e-02
C17	1.471643e-03	1.623169e-03	2.264220e-03	2.726697e-03
C17	1.165173e-04	1.759175e-04	1.078821e-01	1.524784e+00
C18	4.993021e-04	5.489323e-04	6.629175e-02	2.719740e-01
C19	1.484617e-04	1.206342e-04	4.263191e-04	1.178477e-03
C19	4.103565e-03	5.187803e-03	1.862667e-02	5.333810e-02
C24	1.081697e-06	1.023276e-06	6.005960e-06	1.259362e-03
C20-21	3.598449e-03	3.852291e-03	5.650248e-03	1.741377e-02
C20-21	4.905895e-03	5.250327e-03	7.375737e-03	2.223171e-02
C20-21	3.828343e-06	3.778200e-06	9.297642e-04	1.757688e-03
C20-21	1.339177e-05	1.672143e-05	3.063619e-04	1.765238e-03
C20-21	2.413185e-04	3.851793e-04	1.503521e-03	8.657354e-03
C22	7.575267e-04	1.071790e-03	4.851552e-02	5.077701e-01
C23	2.371788e-05	3.015739e-05	2.153648e-04	3.634072e-02
C23	1.359146e-05	1.636360e-05	8.904421e-05	1.336533e-02
C23	1.782276e-05	2.167900e-05	1.410324e-04	7.996232e-03
C23	2.223272e-05	2.714369e-05	3.030193e-04	1.062483e-03
C23	6.363441e-05	8.547910e-05	7.845422e-04	5.413696e-03
C23	1.190314e-05	1.427978e-05	7.539651e-05	4.292463e-04
C23	5.014054e-05	7.092716e-05	2.949988e-04	1.019649e-03
C24	1.049977e-03	2.074573e-03	1.464401e-02	3.007358e-02
C24	8.938372e-04	1.768283e-03	1.246997e-02	2.543814e-02
C24	8.418746e-05	1.084014e-04	1.015237e-03	4.361072e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.571401e-05	1.102212e-04	8.795589e-04	3.184392e-03
C24	4.340980e-05	5.240294e-05	4.405301e-04	1.550257e-03
C24	8.155641e-05	1.023971e-04	2.582800e-03	6.828799e-03
C24	1.496494e-05	1.805917e-05	6.156676e-04	1.642540e-03

C24	7.338715e-05	9.452605e-05	2.244410e-03	9.478426e-03
C24	7.696849e-06	9.289067e-06	1.987515e-04	8.187053e-04
C24	9.594869e-08	1.160518e-07	1.028921e-06	3.168604e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.324880e-05	4.012323e-05	3.323422e-04	9.894389e-04
C25_33	1.678507e-03	2.775487e-03	1.065533e-01	2.966205e-01
C25	1.233922e-03	2.160918e-03	6.598695e-02	3.702169e-01
C26	1.578389e-05	2.377328e-05	6.052015e-04	2.200968e-02
C27	8.241758e-03	1.545302e-02	1.217022e-01	7.087123e-01
C27	1.539263e-04	2.652743e-04	1.540632e-02	2.727071e-01
C28_32	8.561635e-04	1.381687e-03	6.816614e-03	1.028709e-01
C29	5.365478e-03	1.038461e-02	4.857199e-02	4.331715e-01
C30	2.426652e-02	3.893298e-02	1.231584e-01	3.502581e-01
C31	7.413351e-04	1.059788e-03	3.992775e-03	1.099426e-02
E37-39	6.697495e-05	5.813191e-05	8.123076e-04	2.911634e-03
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.970936e-05	3.482525e-05	3.351294e-04	1.498587e-03
D35	2.222264e-06	2.062372e-06	1.163061e-05	4.900409e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.221562e-06	1.133669e-06	6.393267e-06	2.693718e-05
D35	2.709240e-07	2.514113e-07	1.416547e-06	5.927486e-06
D35	1.447402e-06	1.343261e-06	7.575238e-06	3.191727e-05
D35	1.237397e-06	1.149828e-06	6.477000e-06	2.727773e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	6.468872e-07	6.003173e-07	3.386462e-06	1.427194e-05
D35	2.157096e-05	2.001892e-05	1.252997e-04	4.897702e-04
D35	2.952872e-05	2.589682e-05	2.500580e-04	1.166322e-03
D35	3.197559e-05	2.804272e-05	2.702075e-04	1.259100e-03
D35	4.973590e-05	4.361855e-05	4.196061e-04	1.857769e-03
E36	1.094435e-03	3.326048e-04	1.381060e-03	7.321308e-04
F	4.522497e-04	7.808566e-04	1.395084e-02	6.690816e-02
F	4.023914e-07	4.464915e-07	2.575806e-06	1.118385e-05
G45	2.860304e-03	3.189686e-03	9.770447e-03	4.677498e-02
G47	1.447340e-04	1.747175e-04	9.601254e-04	2.599774e-03
G46	8.858819e-03	1.026314e-02	1.376228e-01	7.304382e-01
G47	5.050547e-03	5.808664e-03	9.986898e-02	4.712486e-01
I	3.786704e-03	4.372926e-03	2.672503e-01	4.028278e-01
H49	6.392732e-04	7.235021e-04	1.810614e-02	4.572333e-02
H49	1.361016e-03	7.952670e-05	2.986624e-02	7.007918e-02
H49	4.845098e-04	5.506300e-04	1.039631e-04	6.171714e-04
H50	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
H50	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
H51	1.150055e-01	1.347432e-01	5.772587e-01	3.497364e-03
H52	2.529759e-04	2.795942e-04	4.962666e-03	3.982846e-02
H53	1.112760e-05	8.817115e-06	3.640371e-02	7.348092e-02

	K64	2.470162e-05	2.719928e-05	3.214653e-01	8.073410e-02
	K65	9.460956e-07	1.091199e-06	6.747913e-05	1.003961e-04
	K66	1.615475e-05	1.719997e-05	2.800871e-02	1.931224e-02
	L68	5.307059e-05	3.245978e-05	1.339790e-03	7.746331e-03
	M_N	7.187898e-06	1.162596e-05	1.503418e-03	1.913215e-03
	J62_63	1.113376e-05	1.986707e-05	7.857683e-02	4.043858e-01
	M_N	3.503940e-05	4.599350e-05	5.004026e-02	2.190856e-02
	M_N	2.646559e-04	3.657797e-04	1.585736e-02	3.741649e-01
	O84	5.173847e-08	3.147250e-08	2.101588e-04	6.077120e-04
	P85	3.605914e-06	3.852016e-06	2.572775e-03	3.504618e-03
	M_N	1.838345e-05	2.046300e-05	6.373790e-04	3.741563e-03
	E37-39	6.307319e-08	9.545246e-08	4.800108e-07	4.040925e-06
	E37-39	1.159219e-06	1.210699e-06	3.626061e-06	1.851167e-05
	E37-39	1.145717e-03	2.494181e-06	3.025432e-03	2.995275e-05
	E37-39	2.459401e-05	3.673020e-05	9.043743e-05	6.412614e-04
	E37-39	6.296589e-08	7.185420e-08	2.119100e-07	9.489311e-07
	E37-39	3.350323e-06	3.625037e-06	1.072297e-05	5.329871e-05
	E37-39	7.263638e-06	9.785554e-06	1.856737e-05	9.320307e-05
	E37-39	3.037522e-07	2.927430e-07	8.674999e-07	4.804249e-06
	E37-39	4.090533e-08	3.933289e-08	1.050385e-07	5.844608e-07
	E37-39	1.461863e-05	1.814010e-05	4.626790e-05	2.611080e-04
	E37-39	2.697265e-05	4.146862e-05	5.588311e-05	4.393577e-04
	E37-39	4.694910e-07	5.797333e-07	1.213558e-06	3.305189e-06
	E37-39	1.428438e-05	1.592003e-05	4.120846e-05	3.025424e-04
	E37-39	1.660236e-05	2.119587e-05	4.781062e-05	4.306909e-04
	E37-39	1.889989e-05	2.363613e-05	5.995530e-05	5.266759e-04
	E37-39	1.464414e-05	1.668834e-05	4.128854e-05	2.910226e-04
	E37-39	7.725413e-04	9.318258e-04	5.024850e-04	2.232652e-03
	E37-39	2.674169e-05	3.609070e-05	6.597165e-05	5.168603e-04
	E37-39	8.574520e-04	1.027551e-03	5.163566e-04	6.239160e-05
	E37-39	2.499059e-03	7.519004e-06	1.417622e-03	9.897811e-05
	R_S	2.932344e-05	3.281715e-05	2.111161e-03	2.380727e-02
	R_S	1.111391e-05	1.303883e-05	1.088678e-03	5.715264e-01
	R_S	1.072225e-05	1.130959e-05	2.023111e-04	1.603458e-03
	T	0.000000e+00	0.000000e+00	2.286187e-02	4.322164e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
PT	A01	4.085706e-08	6.360024e-08	2.134501e-07	1.040934e-06
	A01	1.459571e-09	2.273864e-09	6.040740e-06	1.697639e-04
	A01	6.922004e-05	9.887123e-05	1.744890e-03	8.281733e-04
	A01	4.779419e-04	1.178063e-03	8.333954e-03	7.601440e-02
	A01	3.424990e-07	5.332761e-07	1.790521e-06	9.116404e-06
	A01	5.349248e-08	8.328712e-08	2.795895e-07	1.433654e-06
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.113004e-06	3.471345e-06	2.229950e-03	5.911939e-02
	A01	1.711547e-08	2.663837e-08	6.460564e-03	6.572804e+00
	A01	4.390167e-08	6.834239e-08	5.783882e-03	3.810729e-01
	A01	1.357251e-08	2.111816e-08	4.185989e-03	2.758003e-01
	A01	4.828863e-06	5.714455e-06	1.230630e-02	1.178210e+00

A01	1.765754e-06	1.863860e-06	2.958705e-04	4.651523e-02
A01	1.611536e-08	2.510489e-08	4.499977e-02	3.405587e+00
A01	9.448806e-13	1.078255e-12	7.625112e-13	2.403032e-12
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	3.323700e-06	3.770571e-06	2.488806e-05	1.117985e-04
A03	7.214719e-07	7.771939e-07	2.322999e-05	1.375804e-04
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	5.623627e-06	6.099419e-06	6.465923e-06	1.282728e-05
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	4.399305e-10	5.645931e-10	1.510249e-06	2.696031e-06
B_nongas	1.730387e-06	1.841240e-06	2.291710e-06	6.658084e-06
B_nongas	1.284178e-07	1.215249e-07	4.992782e-07	3.227272e-06
B_nongas	8.260491e-06	8.879950e-06	2.067298e-05	9.977221e-02
B_nongas	1.093547e-05	1.207059e-05	2.582856e-05	7.517360e-02
B_nongas	1.544904e-03	2.405235e-03	8.073631e-03	1.041923e-02
C10-12	5.786609e-05	9.828260e-05	1.315028e-03	2.596340e-03
C10-12	1.509024e-04	2.579273e-04	3.470034e-03	6.900742e-03
C10-12	1.718232e-05	2.916389e-05	7.342730e-04	1.981931e-03
C10-12	1.869975e-05	2.876625e-05	3.287506e-04	1.002450e-03
C10-12	1.750087e-04	2.976447e-04	4.453712e-03	1.047227e-02
C10-12	6.895895e-05	1.175458e-04	4.898226e-03	2.488693e-02
C10-12	7.174437e-05	1.221199e-04	4.088702e-03	2.178777e-02
C10-12	1.166265e-04	1.991525e-04	2.685156e-03	5.297798e-03
C10-12	3.010948e-03	5.147213e-03	7.591235e-02	1.786001e-01
C10-12	1.337870e-03	2.287170e-03	4.699895e-02	1.583334e-01
C10-12	2.734163e-07	2.894751e-07	1.557697e-06	8.618600e-03
C10-12	6.390971e-07	6.930569e-07	1.976802e-03	5.428246e-03
C13-15	2.279241e-02	2.916803e-02	1.256065e-01	1.462848e-01
C13-15	2.986889e-04	3.390137e-04	6.965615e-03	1.147925e-01
C13-15	3.016367e-06	7.609451e-06	8.856564e-03	5.740756e-02
C16	1.124133e-06	7.986036e-07	3.103318e-03	5.914189e-02
C16	1.076656e-07	8.974180e-08	4.815183e-04	9.180077e-03
C17	3.503796e-02	3.865309e-02	5.152059e-02	5.167388e-02
C17	6.307324e-03	6.958096e-03	9.274449e-03	9.302211e-03
C17	1.611912e-04	2.511146e-04	1.626476e-01	2.308100e+00
C18	1.789624e-03	1.983783e-03	2.764005e-02	2.088383e-01
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	9.135684e-03	1.146456e-02	2.616370e-02	6.807954e-02
C24	9.459197e-09	1.009188e-08	1.185234e-08	3.124647e-08
C20-21	1.461640e-02	1.559349e-02	1.532730e-02	1.827276e-02
C20-21	3.474029e-03	3.706008e-03	3.645083e-03	4.467043e-03

C20-21	1.405329e-06	1.584700e-06	1.459392e-04	2.683702e-04
C20-21	2.660686e-06	3.054313e-06	2.028742e-05	7.316529e-05
C20-21	6.404912e-05	1.007401e-04	8.785225e-05	4.022153e-04
C22	2.695493e-04	2.930276e-04	1.897802e-02	2.148237e-01
C23	7.312154e-06	8.299232e-06	1.834010e-05	1.415175e-02
C23	3.520468e-06	3.708786e-06	1.045730e-05	4.551577e-03
C23	1.210190e-05	1.307706e-05	2.218153e-05	1.089315e-02
C23	2.761868e-06	2.872942e-06	1.318428e-03	6.079793e-05
C23	2.432374e-05	3.088661e-05	5.932001e-05	4.222003e-04
C23	2.143812e-06	2.510343e-06	4.225968e-06	2.468970e-05
C23	1.025575e-04	1.561451e-04	4.321330e-04	1.584937e-04
C24	7.086536e-05	1.771920e-04	1.180717e-03	1.862872e-03
C24	1.252711e-04	3.134769e-04	2.079882e-03	3.270335e-03
C24	4.440160e-08	6.435307e-08	2.622385e-05	4.861173e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.956053e-07	5.465592e-07	2.314227e-05	1.983706e-04
C24	4.958328e-07	5.090166e-07	2.334818e-05	1.735197e-04
C24	2.360044e-07	2.587329e-07	4.783731e-05	1.269196e-04
C24	1.756945e-07	2.066397e-07	3.081572e-05	8.215688e-05
C24	6.259954e-07	8.048983e-07	1.446277e-04	6.749854e-04
C24	2.641401e-09	3.514455e-09	7.587428e-07	3.553835e-06
C24	1.400483e-07	1.506874e-07	5.046013e-06	1.789490e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.232961e-06	1.400944e-06	4.418423e-05	1.660092e-04
C25_33	1.856952e-04	2.523247e-04	2.981010e-02	7.353232e-02
C25	4.741519e-05	7.207433e-05	9.838170e-03	5.939282e-02
C26	2.979129e-06	3.272386e-06	4.839279e-05	4.114317e-03
C27	1.812187e-03	3.430806e-03	2.767641e-02	1.624612e-01
C27	4.842796e-05	8.975583e-05	3.936322e-03	6.655053e-02
C28_32	2.285992e-05	3.516571e-05	5.252871e-04	2.356890e-02
C29	5.803098e-04	1.165165e-03	4.724279e-03	5.360810e-02
C30	2.893466e-04	4.578064e-04	1.674151e-03	6.085406e-03
C31	1.345971e-04	1.669752e-04	1.086062e-03	2.792251e-03
E37-39	3.990396e-06	9.825877e-06	6.685954e-05	1.345353e-04
E37-39	4.347243e-06	1.084638e-05	8.073594e-05	2.087525e-04
D35	6.645684e-07	8.061326e-07	4.639880e-06	4.424081e-05
D35	1.001299e-06	1.364183e-06	1.019216e-05	1.027504e-04
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.309685e-07	6.448768e-07	4.106263e-06	4.333926e-05
D35	3.546654e-07	5.287286e-07	3.806194e-06	2.820696e-05
D35	3.114410e-07	3.670526e-07	2.135424e-06	2.180414e-05
D35	1.111512e-07	1.472186e-07	9.181669e-07	7.128083e-06
D35	3.129008e-09	5.110178e-09	3.782297e-08	2.457687e-07
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	8.361268e-09	9.264643e-09	4.213216e-08	3.810715e-07
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.180654e-06	1.476502e-06	8.512447e-06	7.230038e-05

D35	2.301358e-06	3.856877e-06	3.019383e-05	2.613575e-04
D35	2.557510e-07	3.401708e-07	2.485136e-06	2.523078e-05
D35	4.321758e-10	5.286530e-10	3.757565e-09	7.045205e-08
E36	5.245606e-05	2.408658e-05	5.878840e-05	5.554874e-05
F	5.449643e-05	9.916425e-05	1.567334e-03	1.019407e-02
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	7.682788e-04	8.866427e-04	2.138518e-03	1.360040e-02
G47	1.307771e-05	1.509773e-05	6.489201e-06	4.317832e-05
G46	2.082219e-03	2.316082e-03	1.581565e-02	7.891609e-02
G47	9.308784e-04	1.088828e-03	6.080004e-03	3.214863e-02
I	2.365518e-04	2.738770e-04	1.678956e-02	2.581147e-02
H49	5.891841e-05	6.722708e-05	1.709809e-03	4.232960e-03
H49	7.922355e-05	1.418818e-06	1.772031e-03	4.056241e-03
H49	3.034530e-05	3.435809e-05	6.001941e-06	2.163396e-05
H50	5.117627e-05	5.689824e-05	6.717397e-05	9.903824e-05
H50	6.096797e-07	6.899206e-07	6.956226e-06	1.451916e-04
H51	1.075779e-03	1.296544e-03	6.044419e-03	6.626850e-03
H52	1.745382e-05	1.921691e-05	2.424236e-04	2.495478e-03
H53	8.534505e-06	1.601687e-05	3.548473e-03	1.041586e-02
K64	3.460181e-07	4.486965e-07	1.827900e-01	4.411318e-02
K65	2.377876e-11	3.496411e-11	2.850245e-08	2.804623e-06
K66	5.608266e-08	5.492903e-08	2.436291e-03	1.564933e-03
L68	6.944633e-07	6.060765e-07	2.820559e-05	8.861676e-04
M_N	8.066277e-08	1.435239e-07	1.140556e-06	6.622340e-05
J62_63	1.142660e-07	1.847791e-07	7.802852e-03	4.021429e-02
M_N	8.377546e-07	7.784924e-07	6.265358e-03	2.518463e-03
M_N	7.164201e-07	1.136754e-06	1.080295e-04	3.593648e-02
O84	8.507599e-06	8.814826e-06	4.184796e-04	8.586816e-03
P85	3.411793e-07	4.270149e-07	9.017788e-05	4.056133e-04
M_N	1.765039e-06	2.191283e-06	6.137084e-05	2.426817e-04
E37-39	3.803596e-08	4.788044e-08	2.837813e-07	2.542030e-06
E37-39	3.468931e-08	4.599386e-08	2.383967e-07	2.019250e-06
E37-39	4.229263e-05	3.583764e-08	1.116813e-04	4.042333e-07
E37-39	1.484169e-07	2.183570e-07	6.535997e-07	5.719070e-06
E37-39	1.971861e-08	3.178491e-08	1.215476e-07	6.092702e-07
E37-39	2.903523e-08	4.811944e-08	1.631881e-07	8.093955e-07
E37-39	1.014747e-07	1.847665e-07	2.784450e-07	1.776837e-06
E37-39	4.939156e-09	4.363121e-09	3.935229e-08	4.490806e-07
E37-39	6.759412e-10	5.972464e-10	5.386267e-09	6.097093e-08
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.140719e-07	1.851897e-07	1.600110e-07	1.282927e-06
E37-39	1.093004e-07	1.460886e-07	2.720039e-07	4.299725e-07
E37-39	3.415393e-08	3.887578e-08	1.378838e-07	1.548450e-06
E37-39	6.987804e-08	8.333789e-08	3.038563e-07	3.167173e-06
E37-39	1.575241e-07	1.764820e-07	6.721701e-07	7.431666e-06
E37-39	1.185193e-07	1.384432e-07	4.578508e-07	4.854356e-06
E37-39	3.899868e-05	4.708673e-05	2.496215e-05	1.106730e-04
E37-39	2.054397e-07	2.675569e-07	5.764857e-07	5.696710e-06

	E37-39	4.685428e-05	5.619459e-05	2.781939e-05	1.062347e-06
	E37-39	9.298150e-05	7.622937e-08	5.232403e-05	1.300848e-06
	R_S	4.454439e-07	7.278964e-07	1.002163e-03	8.727638e-03
	R_S	7.169885e-07	1.047424e-06	7.604797e-05	1.234503e-02
	R_S	3.358162e-06	4.695218e-06	4.844892e-05	3.487623e-04
	T	0.000000e+00	0.000000e+00	7.486804e-03	1.415422e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
RO	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.126303e-01	2.977232e-01	7.409419e-01	4.426684e+00
	A01	1.382969e-01	1.974352e-01	3.471277e+00	7.750945e-01
	A01	1.121059e-04	2.763326e-04	1.041139e-03	1.232336e-02
	A01	0.000000e+00	2.962563e-04	5.721604e-03	7.546080e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	5.551162e-09	1.733675e-02	4.876728e-01
	A01	0.000000e+00	0.000000e+00	6.748206e-03	2.351440e+00
	A01	0.000000e+00	0.000000e+00	9.062461e-03	5.971031e-01
	A01	0.000000e+00	0.000000e+00	2.602315e-02	1.714601e+00
	A01	0.000000e+00	0.000000e+00	9.901044e-03	6.904851e-01
	A01	0.000000e+00	0.000000e+00	3.092007e-03	2.220270e-01
	A01	0.000000e+00	0.000000e+00	5.633419e-02	4.017725e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0.000000e+00	0.000000e+00	2.726553e-05	3.737178e-07
	A03	0.000000e+00	0.000000e+00	6.642076e-10	2.009231e-09
	B_nongas	8.558340e-10	1.165936e-09	6.859173e-06	1.087616e-08
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	2.890177e-09	3.884167e-03
	B_nongas	0.000000e+00	0.000000e+00	1.154418e-08	3.539335e-03
	B_nongas	6.503245e-03	1.012556e-02	3.399118e-02	4.385208e-02
	C10-12	3.870582e-05	6.618182e-05	8.911139e-04	2.001860e-03
	C10-12	2.747185e-05	4.697311e-05	6.322542e-04	1.244538e-03
	C10-12	1.426662e-05	2.439396e-05	3.372771e-04	6.774397e-04
	C10-12	1.354015e-05	2.316341e-05	3.186762e-04	4.438360e-02
	C10-12	2.713464e-04	4.639504e-04	2.660059e-02	1.249166e-01
	C10-12	2.271077e-05	3.883135e-05	1.942373e-03	1.032860e-02
	C10-12	4.002529e-06	6.843777e-06	9.211601e-05	1.813228e-04

C10-12	2.264732e-04	3.872381e-04	5.231120e-03	1.031975e-02
C10-12	2.194335e-03	3.752010e-03	5.365953e-02	1.272596e-01
C10-12	1.927113e-03	3.295088e-03	4.933624e-02	1.173375e-01
C10-12	1.198138e-10	1.597507e-10	1.250577e-08	1.306020e-04
C10-12	4.050210e-09	5.437585e-09	9.919435e-03	2.720581e-02
C13-15	8.573588e-03	1.098174e-02	4.713376e-02	5.007746e-02
C13-15	2.761828e-05	1.862297e-05	2.438348e-03	4.803270e-02
C13-15	9.242215e-08	1.013354e-06	1.661121e-03	9.955077e-03
C16	7.269016e-07	1.205219e-06	2.930073e-02	5.618275e-01
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.167472e-04	1.287933e-04	1.716629e-04	1.721105e-04
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.915024e-05	3.025122e-05	2.035547e-02	2.888817e-01
C18	2.819111e-06	1.710072e-06	1.146370e-02	3.253246e-02
C19	1.451656e-06	1.000125e-06	2.509268e-06	8.886218e-06
C19	5.744148e-01	7.228370e-01	1.628697e+00	3.622369e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	9.729933e-03	1.036788e-02	9.921355e-03	1.092238e-02
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	1.302793e-04	4.610342e-04
C20-21	1.038970e-04	1.670168e-04	8.505728e-05	3.403918e-04
C22	1.870658e-06	2.589577e-06	4.416685e-02	5.069070e-01
C23	1.147691e-07	4.226072e-07	2.851688e-06	1.487595e-02
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	8.795691e-07	8.811036e-07	1.080274e-06	5.403618e-03
C23	1.189618e-10	1.752246e-10	1.501567e-06	1.649978e-08
C23	1.333162e-07	2.539030e-07	3.006405e-07	1.920775e-07
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	3.224642e-06	4.995777e-06	1.401413e-05	1.350755e-06
C24	2.206689e-03	5.556449e-03	3.604702e-02	5.548901e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.362938e-09	1.597161e-08	2.049764e-05	7.006008e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.353551e-11	3.919115e-11	5.540838e-05	1.423243e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.006104e-10	1.403667e-09	6.644837e-05	3.216361e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.485985e-08	2.054198e-08	1.386234e-06	8.649241e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	6.988335e-05	4.592811e-05	5.436800e-02	1.267870e-01
C25	1.081782e-04	1.570411e-04	3.177106e-02	1.686124e-01
C26	3.813900e-06	9.089021e-06	4.450423e-04	4.267507e-02
C27	3.866544e-03	7.321731e-03	5.866331e-02	3.439796e-01
C27	2.085200e-08	3.082965e-08	2.938033e-03	5.648343e-02

C28_32	1.995756e-05	1.598981e-05	1.645715e-03	1.286741e-01
C29	4.985863e-03	1.023746e-02	3.506709e-02	4.351600e-01
C30	5.371460e-03	8.614560e-03	2.667708e-02	7.491811e-02
C31	9.966702e-05	1.137355e-04	8.043050e-05	2.534744e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
F	2.252553e-07	2.993326e-07	4.216847e-03	2.854437e-02
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	2.783185e-03	3.210339e-03	7.666527e-03	4.809693e-02
G47	5.151460e-05	5.942061e-05	6.511625e-07	2.143148e-06
G46	9.300360e-03	8.189668e-03	1.894974e-02	4.328737e-02
G47	6.787765e-03	7.356644e-03	1.407609e-02	3.521037e-02
I	5.884846e-03	6.788007e-03	4.147675e-01	6.104668e-01
H49	8.283784e-04	9.432574e-04	2.417754e-02	5.911092e-02
H49	1.354393e-03	5.627238e-06	3.051484e-02	6.800818e-02
H49	7.985273e-04	9.092761e-04	1.121202e-05	6.870307e-06
H50	8.304703e-03	9.236047e-03	1.089014e-02	1.509079e-02
H50	3.090167e-06	3.519199e-06	3.607608e-05	7.497064e-04
H51	2.163300e-02	2.534190e-02	1.085011e-01	0.000000e+00
H52	8.949631e-05	1.019076e-04	1.344617e-03	1.302842e-02
H53	1.708414e-07	2.508577e-07	3.558016e-02	9.319416e-02
K64	6.763942e-07	9.046226e-07	3.952245e-01	9.382502e-02
K65	0.000000e+00	0.000000e+00	2.373691e-08	6.031186e-08
K66	6.477190e-08	8.621000e-08	1.281965e-02	8.233837e-03
L68	3.809017e-08	5.600752e-08	1.460561e-05	4.413709e-03
M_N	3.301263e-08	5.015697e-08	1.371536e-06	7.612815e-06
J62_63	9.854927e-07	1.469574e-06	7.977991e-02	4.085809e-01
M_N	1.678467e-07	2.916221e-07	2.847583e-02	1.102792e-02
M_N	2.779507e-07	4.068979e-07	1.965754e-05	6.314868e-01
O84	0.000000e+00	0.000000e+00	3.410337e-07	6.298947e-08
P85	5.959663e-09	9.997312e-09	2.223507e-06	1.703830e-06

	M_N	2.368214e-08	3.727971e-08	1.955981e-06	6.816554e-06
	E37-39	9.559910e-09	1.815913e-08	6.217936e-08	1.981431e-07
	E37-39	1.041665e-08	1.901886e-08	5.797784e-08	1.773781e-07
	E37-39	1.365664e-05	1.071534e-08	3.605763e-05	4.419285e-08
	E37-39	1.557334e-05	2.821817e-05	3.544008e-05	1.078552e-04
	E37-39	9.121842e-09	1.624908e-08	5.229984e-08	1.551545e-07
	E37-39	1.043898e-08	1.879959e-08	5.402868e-08	1.700408e-07
	E37-39	4.433957e-06	8.598996e-06	9.129585e-06	3.613842e-05
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	2.319431e-06	3.921200e-06	1.833789e-06	9.300669e-06
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	7.615279e-06	1.030476e-05	2.864248e-06	3.677672e-05
	E37-39	1.566335e-05	2.169676e-05	6.411384e-06	6.947580e-05
	E37-39	1.216505e-05	1.644323e-05	5.246301e-06	3.771255e-05
	E37-39	9.002429e-06	1.238522e-05	5.992267e-06	2.781011e-05
	E37-39	5.483029e-04	6.620495e-04	3.502204e-04	1.547261e-03
	E37-39	7.815993e-06	1.137519e-05	6.589171e-06	2.573759e-05
	E37-39	1.927043e-03	2.311327e-03	1.140998e-03	5.179630e-06
	E37-39	4.395361e-03	3.065182e-06	2.468912e-03	6.939512e-06
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
SE	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.489336e-10	2.384801e-10	2.216575e-05	5.332043e-04
	A01	1.193325e-10	1.960154e-10	3.272809e-05	8.441530e-04
	A01	1.162315e-06	2.865002e-06	1.206616e-05	1.549269e-04
	A01	9.271548e-12	1.558386e-06	3.062303e-05	4.110149e-04
	A01	2.471771e-11	3.930574e-11	1.935038e-06	3.060338e-05
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.190444e-07	2.145469e-07	3.437506e-04	5.068655e-03
	A01	6.823992e-11	1.075675e-10	2.220797e-05	1.239913e-03
	A01	1.062608e-10	1.566294e-10	7.954016e-06	7.038397e-04
	A01	2.438175e-11	3.728525e-11	4.126467e-06	2.454514e-04
	A01	3.112796e-06	1.096579e-06	1.846584e-04	7.116480e-04
	A01	1.995399e-06	7.610285e-07	6.802178e-05	2.364584e-04
	A01	2.466162e-10	3.784765e-10	2.543121e-05	1.364013e-03
	A01	1.410194e-12	2.282028e-12	1.350238e-07	1.447891e-06
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	1.732571e-08	2.849950e-08	8.058169e-04	1.289320e-02
	A03	9.424791e-13	1.431934e-12	1.873246e-10	6.655491e-10
	B_nongas	1.054657e-04	1.040594e-04	1.775828e-03	6.948404e-04
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	3.810194e-10	5.784884e-10	1.286518e-05	6.986303e-04

B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	2.049519e-06	2.017875e-06	4.796252e-02	2.724540e+00
B_nongas	2.829001e-04	2.838853e-04	6.654992e-04	2.612851e-03
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	4.373715e-06	4.417105e-06	8.062775e-06	2.628103e-05
B_nongas	3.527481e-05	3.459783e-05	7.921619e-05	2.552669e-04
B_nongas	0.000000e+00	0.000000e+00	1.668686e-12	3.374967e-12
B_nongas	4.008717e-06	3.933627e-06	9.844964e-06	2.126025e-04
B_nongas	2.244028e-06	2.296257e-06	6.972236e-06	1.672567e-03
B_nongas	1.570739e-04	2.444472e-04	8.224941e-04	1.099858e-03
C10-12	2.658469e-04	3.915228e-04	4.309720e-03	8.762366e-03
C10-12	3.336964e-04	4.794228e-04	4.391840e-03	1.053700e-02
C10-12	4.931783e-05	5.096667e-05	4.087210e-04	1.388306e-03
C10-12	7.104599e-04	1.210884e-03	1.624356e-02	3.226494e-02
C10-12	2.576066e-05	3.166154e-05	5.111560e-04	1.997448e-03
C10-12	2.590577e-04	2.804772e-04	3.296459e-02	2.116766e-01
C10-12	1.813775e-11	3.507262e-11	1.239068e-06	9.377456e-06
C10-12	7.995502e-05	9.310618e-05	9.573284e-04	2.463619e-03
C10-12	1.629915e-03	2.639170e-03	4.631963e-02	1.443182e-01
C10-12	4.910119e-04	7.753116e-04	2.912179e-02	1.377119e-01
C10-12	5.244071e-05	5.041057e-05	3.179247e-04	2.263188e-03
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	5.073767e-03	6.461247e-03	2.743401e-02	3.008408e-02
C13-15	1.186524e-04	1.260971e-04	5.964842e-04	4.889673e-03
C13-15	6.184718e-06	7.438900e-06	3.561280e-04	2.460935e-03
C16	9.892019e-05	1.090506e-04	3.553594e-02	6.733873e-01
C16	5.714164e-06	5.614789e-06	3.025919e-04	5.452284e-03
C17	2.769284e-02	3.053428e-02	4.134999e-02	4.423762e-02
C17	6.046767e-03	6.667380e-03	9.022176e-03	9.623404e-03
C17	5.924347e-04	7.304810e-04	1.994241e-01	2.804555e+00
C18	2.259492e-04	2.351605e-04	4.665628e-02	1.830956e-01
C19	2.631380e-05	2.601266e-05	6.172577e-05	2.344138e-04
C19	4.137911e-03	5.101429e-03	1.350816e-02	2.764299e-02
C24	6.496605e-05	6.422226e-05	1.457199e-04	2.927334e-03
C20-21	1.559920e-02	1.658021e-02	1.773424e-02	4.069836e-02
C20-21	3.139360e-02	3.346148e-02	3.483302e-02	8.126238e-02
C20-21	1.959898e-08	1.897462e-08	8.945384e-07	1.655643e-05
C20-21	1.236758e-07	1.218021e-07	9.959328e-07	4.907380e-05
C20-21	1.825054e-05	2.561957e-05	2.832543e-04	3.831400e-04
C22	3.445985e-04	4.157164e-04	2.960264e-02	3.264498e-01
C23	3.409618e-05	3.493392e-05	2.156002e-04	1.582500e-02
C23	1.831262e-05	1.887665e-05	1.156384e-04	8.578523e-03
C23	7.586241e-05	7.612925e-05	4.771108e-04	1.722195e-02
C23	2.690506e-05	1.391131e-05	4.638524e-05	1.031674e-03
C23	4.131361e-04	4.447146e-04	3.142719e-03	1.085953e-01
C23	1.594305e-05	1.626268e-05	1.000258e-04	3.123127e-03

C23	5.523917e-05	6.019630e-05	3.326778e-04	9.386705e-03
C24	2.887298e-03	6.888931e-03	4.497504e-02	7.617009e-02
C24	1.170298e-03	2.639600e-03	1.671986e-02	2.810675e-02
C24	1.565810e-05	1.649798e-05	8.587663e-04	1.529036e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.205602e-05	3.213779e-05	6.455937e-04	3.279720e-03
C24	4.072709e-05	4.295761e-05	2.029278e-04	8.913523e-04
C24	7.906187e-05	8.319944e-05	4.924053e-04	1.752422e-03
C24	4.345199e-05	4.567356e-05	2.712560e-04	9.640446e-04
C24	7.217520e-04	7.561881e-04	5.548012e-03	2.649194e-02
C24	1.767542e-07	1.867336e-07	8.838527e-07	3.431031e-06
C24	1.182971e-05	1.247970e-05	5.873510e-05	6.214457e-03
C24	1.674664e-07	1.756367e-07	1.072986e-06	6.956209e-05
C24	9.593366e-05	1.009462e-04	4.680597e-04	1.793787e-03
C25_33	5.779303e-04	6.753100e-04	3.169819e-02	9.127889e-02
C25	6.139467e-04	1.027273e-03	8.839841e-02	5.169607e-01
C26	9.214908e-05	1.169951e-04	1.332793e-03	2.854796e-02
C27	8.369928e-03	1.566049e-02	1.522418e-01	8.757462e-01
C27	1.992978e-04	1.964435e-04	5.298348e-02	6.859833e-01
C28_32	3.383313e-04	3.843622e-04	4.551702e-03	1.809046e-01
C29	1.399996e-02	2.564865e-02	8.916056e-02	1.034479e+00
C30	1.425105e-03	2.242042e-03	8.177707e-03	3.384719e-02
C31	3.686378e-04	4.467467e-04	2.491243e-03	1.451347e-02
E37-39	9.019528e-06	8.080232e-06	2.454344e-05	6.629864e-05
E37-39	9.594253e-05	8.448472e-05	1.955085e-04	4.582275e-04
D35	1.629137e-05	1.964912e-05	2.029332e-05	1.806919e-04
D35	2.793410e-08	1.305571e-08	3.300037e-06	1.144671e-05
D35	4.854859e-06	6.803750e-07	8.302434e-04	3.008441e-03
D35	4.500278e-06	6.324773e-07	7.783578e-04	2.850118e-03
D35	9.616876e-08	1.328615e-08	1.653812e-05	5.970196e-05
D35	3.454201e-08	4.771301e-09	5.940107e-06	2.144323e-05
D35	3.451316e-07	4.769441e-08	5.935342e-05	2.142683e-04
D35	1.376049e-10	1.997596e-10	4.041346e-08	2.144785e-07
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.992165e-08	2.680251e-09	1.062215e-05	1.499648e-04
D35	2.824176e-06	3.998215e-07	4.807413e-04	1.746275e-03
D35	9.749695e-06	1.349074e-06	8.276630e-04	5.759370e-03
D35	2.818120e-07	3.883942e-08	4.847128e-05	1.749751e-04
D35	2.051415e-05	3.222271e-06	1.634749e-03	1.160884e-02
E36	1.416204e-05	2.340942e-06	1.286176e-04	4.872524e-04
F	2.649880e-04	4.273840e-04	2.831867e-02	6.351726e-01
F	5.094138e-06	5.474399e-06	1.280984e-04	2.056900e-03
G45	3.037417e-02	3.503636e-02	8.632050e-02	5.416528e-01
G47	5.927398e-04	6.837950e-04	3.873140e-04	1.679170e-03
G46	9.019102e-02	7.970897e-02	2.585456e-01	8.995207e-01
G47	5.198668e-02	5.634307e-02	1.502908e-01	4.978695e-01

I	9.049521e-04	1.007176e-03	4.977639e-02	8.539554e-02
H49	1.108726e-03	1.243380e-03	2.931054e-02	7.329693e-02
H49	3.236331e-03	4.160887e-04	6.570659e-02	1.567586e-01
H49	1.201377e-03	1.358694e-03	4.710110e-04	1.920352e-03
H50	1.449246e-02	1.608567e-02	2.242829e-02	4.983837e-02
H50	1.691871e-05	1.755312e-05	3.423070e-04	2.041679e-03
H51	1.578132e-02	1.849263e-02	7.996715e-02	1.067893e-02
H52	1.557360e-03	1.371225e-03	2.465524e-02	2.590357e-01
H53	2.523307e-04	2.269975e-04	9.608619e-02	3.055680e-01
K64	2.868332e-06	3.855712e-06	1.612007e+00	4.329145e-01
K65	6.162667e-08	9.208625e-08	4.841255e-03	2.459536e-02
K66	1.387282e-07	1.874774e-07	2.538604e-02	2.269704e-02
L68	3.200716e-05	3.696822e-05	1.616615e-04	1.839762e-02
M_N	2.070234e-04	1.994990e-04	1.187955e-03	6.104647e-03
J62_63	1.833673e-05	2.494692e-05	7.382294e-01	3.787462e+00
M_N	2.781993e-04	2.802203e-04	1.458741e-01	6.099797e-02
M_N	3.081918e-03	2.982288e-03	2.311137e-02	1.540881e+00
O84	1.705601e-05	1.900593e-05	1.079525e-02	4.923044e-02
P85	9.123853e-05	9.024174e-05	4.362763e-03	2.723749e-02
M_N	1.959340e-04	2.105636e-04	3.249916e-03	2.467263e-02
E37-39	6.359274e-07	9.517928e-07	8.291293e-06	3.488558e-05
E37-39	6.163636e-07	9.501287e-07	6.714062e-06	2.758137e-05
E37-39	7.947132e-04	6.782759e-07	2.099339e-03	8.324147e-06
E37-39	1.139449e-05	2.043632e-05	3.075617e-05	1.019567e-04
E37-39	1.667292e-07	2.621021e-07	1.638710e-06	6.422715e-06
E37-39	6.690503e-07	1.065847e-06	6.212080e-06	2.478206e-05
E37-39	2.175388e-06	4.039177e-06	8.102488e-06	3.467491e-05
E37-39	1.553991e-07	1.792490e-07	1.364866e-07	7.575198e-07
E37-39	1.717624e-09	1.677184e-09	3.268598e-08	1.679443e-07
E37-39	9.199481e-07	1.346320e-06	5.284762e-06	1.923641e-05
E37-39	2.367462e-06	3.872329e-06	5.640020e-06	2.672530e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.031387e-07	2.407943e-07	1.986632e-06	9.470545e-06
E37-39	4.739435e-07	5.881721e-07	3.717509e-06	1.785212e-05
E37-39	6.661373e-08	8.243095e-08	1.136354e-07	3.923105e-07
E37-39	3.350882e-07	4.266227e-07	2.015654e-06	9.262736e-06
E37-39	4.228556e-05	5.099322e-05	2.652256e-05	1.174381e-04
E37-39	1.399151e-06	1.931525e-06	5.694628e-06	2.546398e-05
E37-39	9.770474e-06	1.171834e-05	2.062803e-05	7.605143e-05
E37-39	2.039674e-05	1.788520e-08	3.057822e-05	9.797007e-05
R_S	1.085756e-04	1.061161e-04	4.415857e-02	7.783043e-02
R_S	1.858926e-04	1.840883e-04	3.512791e-03	7.037497e-01
R_S	1.955081e-04	2.022207e-04	6.441990e-04	2.310998e-03
T	0.000000e+00	0.000000e+00	2.901803e-02	5.486018e-02
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
SI	A01	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.413000e-11	3.827903e-11	5.081723e-07
	A01	2.751238e-06	3.917728e-06	7.014149e-05

A01	1.675914e-04	4.130493e-04	1.557985e-03	1.842197e-02
A01	1.956170e-13	3.866346e-06	7.474471e-05	9.848698e-04
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	3.800703e-05	4.739205e-05	5.240045e-04	2.275760e-03
A01	1.032216e-08	4.185269e-09	1.076233e-06	2.421574e-01
A01	1.449394e-08	5.877576e-09	2.206632e-06	9.785298e-06
A01	9.836321e-09	3.986196e-09	1.443886e-06	7.289249e-06
A01	1.152784e-05	1.377318e-05	9.329120e-05	4.302999e-03
A01	1.339998e-05	1.657974e-05	1.236907e-04	6.172324e-03
A01	2.847893e-08	1.496574e-08	5.795676e-06	4.101027e-02
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	2.414004e-05	2.469582e-05	1.169327e-04	1.385799e-03
A03	5.145726e-06	5.586045e-06	1.051693e-05	7.698193e-05
B_nongas	6.990217e-06	7.286773e-06	2.267550e-05	9.463988e-05
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	2.625649e-05	2.547784e-05	4.603547e-05	6.082881e-04
B_nongas	6.247747e-06	5.971901e-06	1.062917e-05	7.530663e-05
B_nongas	1.215783e-07	1.865355e-07	6.136454e-07	8.098453e-07
C10-12	3.263849e-05	3.808304e-05	2.179513e-04	6.379655e-04
C10-12	1.921866e-05	1.054403e-05	1.899060e-04	4.213486e-04
C10-12	1.026964e-05	1.148895e-05	2.142154e-04	7.665632e-04
C10-12	2.989336e-06	4.640823e-06	7.434596e-05	7.437809e-04
C10-12	2.545033e-05	4.325551e-05	5.802566e-04	1.171050e-03
C10-12	5.092133e-05	5.760354e-05	3.856112e-04	1.576296e-03
C10-12	8.720756e-07	1.489087e-06	2.004488e-05	4.049862e-05
C10-12	1.650111e-05	2.591974e-05	3.106873e-04	6.390507e-04
C10-12	5.974043e-04	9.879722e-04	1.291852e-02	2.690847e-02
C10-12	2.061649e-04	3.362929e-04	4.527245e-03	1.032489e-02
C10-12	1.222491e-06	1.375959e-06	5.283789e-05	9.368025e-04
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C13-15	3.255580e-03	4.161921e-03	1.777450e-02	1.949261e-02
C13-15	4.377990e-05	5.397148e-05	4.167890e-04	4.141844e-03
C13-15	3.154821e-05	4.135787e-05	9.347243e-04	5.039926e-03
C16	5.012439e-05	1.016607e-04	3.988930e-03	6.733326e-02
C16	1.892486e-05	2.603024e-05	4.867413e-04	8.069943e-03

C17	1.548552e-07	1.420071e-07	1.931844e-05	6.157833e-05
C17	4.897695e-07	4.620243e-07	9.165803e-05	5.427459e-04
C17	2.717418e-05	3.689340e-05	1.960613e-02	2.777039e-01
C18	4.983084e-05	5.211258e-05	6.729842e-03	2.062511e-02
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.235790e-05	6.663851e-05	6.603719e-05	1.582645e-04
C20-21	9.574217e-05	6.531214e-05	7.973789e-05	7.277122e-04
C20-21	8.031083e-03	8.558813e-03	8.237140e-03	9.225177e-03
C20-21	7.656950e-08	7.509905e-08	3.739206e-07	1.318968e-06
C20-21	3.213548e-06	3.137110e-06	2.509697e-05	9.014550e-05
C20-21	1.498384e-04	2.412061e-04	1.022389e-03	3.297803e-03
C22	1.662772e-04	3.370743e-04	9.425365e-03	1.067389e-01
C23	9.209095e-07	1.041201e-06	2.684316e-06	2.300706e-04
C23	2.000475e-06	2.261700e-06	5.852342e-06	5.002036e-04
C23	8.547506e-06	9.618320e-06	2.448393e-05	4.460815e-04
C23	2.030552e-05	2.300206e-05	6.359749e-05	3.138462e-04
C23	8.564689e-05	1.101929e-04	4.393119e-04	2.710155e-03
C23	2.480080e-05	2.815363e-05	7.036092e-05	3.811974e-04
C23	8.517145e-05	1.143942e-04	3.258712e-04	1.059419e-03
C24	4.029902e-05	9.951077e-05	6.814638e-04	1.184942e-03
C24	3.083696e-04	7.692036e-04	5.354418e-03	9.282877e-03
C24	1.562242e-05	6.855002e-08	4.249628e-05	1.539749e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.017192e-05	1.802473e-05	4.479028e-04	1.876040e-03
C24	2.447455e-06	2.540952e-06	2.980840e-05	1.297198e-04
C24	7.926814e-07	1.126702e-06	1.550086e-04	4.228700e-04
C24	1.803152e-06	2.293597e-06	3.842807e-04	1.026789e-03
C24	4.022825e-06	5.349010e-06	1.305929e-04	5.592872e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.705141e-07	1.112233e-06	1.785679e-05	3.721139e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.291914e-06	1.284044e-05	3.988189e-04	1.373419e-03
C25_33	1.570851e-04	3.109428e-04	1.340019e-02	3.961457e-02
C25	1.579149e-04	2.770268e-04	1.301240e-02	7.998086e-02
C26	9.785861e-06	1.104204e-05	3.105762e-04	2.293502e-03
C27	8.256029e-04	1.548967e-03	1.321277e-02	7.790161e-02
C27	3.294391e-05	6.287087e-05	3.108933e-03	5.216764e-02
C28_32	2.446821e-05	4.162568e-05	9.548355e-04	3.190908e-02
C29	2.212233e-03	4.505979e-03	1.725568e-02	1.935577e-01
C30	1.475394e-04	2.258841e-04	9.300535e-04	2.493461e-03
C31	4.309708e-05	4.922290e-05	7.637224e-04	9.444446e-03
E37-39	1.039706e-08	1.182699e-08	4.733676e-06	3.104563e-05
E37-39	1.026194e-05	9.038785e-06	3.362637e-04	1.679602e-03
D35	1.765017e-05	1.867099e-05	6.116225e-05	9.398639e-04
D35	1.152360e-06	1.220831e-06	4.046144e-06	6.156119e-05
D35	1.305782e-05	1.381343e-05	4.558104e-05	6.958450e-04
D35	7.569365e-06	8.019111e-06	2.634710e-05	4.038605e-04

D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	7.343551e-08	7.849879e-08	2.629838e-07	3.987963e-06
D35	7.356296e-07	7.785371e-07	2.652868e-06	3.954882e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.422415e-06	5.744504e-06	1.949861e-05	2.624360e-04
D35	5.771831e-05	6.105656e-05	1.985274e-04	2.975487e-03
D35	3.537588e-06	3.747737e-06	1.315745e-05	1.899708e-04
D35	2.407570e-05	2.550573e-05	9.268833e-05	1.287203e-03
E36	4.812021e-05	2.621639e-05	5.323456e-05	2.107339e-04
F	1.456533e-04	1.394203e-04	2.697805e-03	1.916243e-02
F	3.986085e-07	4.145105e-07	2.770901e-06	1.439144e-05
G45	1.141956e-03	1.300304e-03	3.678902e-03	2.127993e-02
G47	7.189521e-05	7.535591e-05	2.494249e-04	8.008080e-04
G46	2.285900e-03	2.099523e-03	9.907157e-03	5.323752e-02
G47	1.560683e-03	1.679102e-03	1.194704e-02	3.635172e-02
I	1.194399e-03	1.378381e-03	8.416850e-02	1.284025e-01
H49	6.316906e-04	7.156424e-04	1.728064e-02	4.254955e-02
H49	2.814449e-03	1.439286e-04	6.130117e-02	1.380443e-01
H49	2.643490e-04	3.004155e-04	3.624410e-05	1.326675e-04
H50	1.724185e-02	1.917532e-02	2.264726e-02	3.154034e-02
H50	1.621463e-07	1.842038e-07	3.793835e-06	2.054500e-05
H51	1.454160e-02	1.703696e-02	7.298541e-02	8.452855e-04
H52	1.805188e-03	1.683346e-03	1.226602e-02	4.054300e-02
H53	7.915656e-06	7.021100e-06	1.642775e-02	4.601609e-02
K64	2.496578e-05	3.283880e-05	1.459026e-01	4.184652e-02
K65	1.814127e-09	2.705240e-09	1.469060e-04	7.522424e-04
K66	2.946868e-06	2.614315e-06	8.834749e-03	5.699715e-03
L68	7.236022e-05	8.634755e-05	2.410028e-03	8.141376e-03
M_N	8.579577e-06	8.106504e-06	4.240903e-05	4.016321e-04
J62_63	2.961293e-05	3.290954e-05	2.188266e-02	1.109056e-01
M_N	1.930061e-05	2.276596e-05	2.468968e-03	3.798964e-03
M_N	7.238448e-05	7.980807e-05	3.251672e-03	9.026702e-02
O84	1.665021e-05	1.908732e-05	1.409115e-03	3.484118e-03
P85	1.264559e-05	1.470073e-05	1.408405e-03	3.463169e-03
M_N	1.278990e-04	1.377778e-04	8.138411e-04	1.452525e-03
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	6.227131e-11	1.136931e-10	5.833700e-10	2.596411e-09
E37-39	1.181650e-05	1.000917e-08	3.121454e-05	1.522965e-07
E37-39	1.332544e-06	1.686705e-06	9.534262e-06	1.542736e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	7.677311e-09	1.243144e-08	5.883832e-08	4.541066e-07
E37-39	2.350864e-07	3.733983e-07	1.357743e-06	1.722131e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

	E37-39	7.186156e-08	9.213262e-08	4.545973e-07	6.414697e-06
	E37-39	1.582299e-07	2.303808e-07	6.354244e-07	9.689670e-06
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	2.134356e-07	2.412576e-07	1.532154e-06	2.525349e-05
	E37-39	3.674673e-07	4.237050e-07	2.554751e-06	4.065316e-05
	E37-39	6.915086e-07	7.846653e-07	4.892278e-06	8.054869e-05
	E37-39	5.235953e-07	6.055423e-07	3.746721e-06	5.707337e-05
	E37-39	2.270876e-05	2.741460e-05	1.483979e-05	6.981018e-05
	E37-39	9.143947e-07	1.109233e-06	5.748930e-06	9.297458e-05
	E37-39	4.172516e-05	5.003664e-05	2.536649e-05	1.147127e-05
	E37-39	8.557931e-05	1.748553e-07	4.893832e-05	1.545879e-05
	R_S	3.277965e-06	3.666280e-06	1.365763e-03	2.057865e-03
	R_S	6.754851e-05	7.244651e-05	1.205924e-03	7.172064e-02
	R_S	1.465267e-05	1.515296e-05	1.243428e-04	2.230982e-04
	T	0.000000e+00	0.000000e+00	4.036565e-03	7.631349e-03
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
SK	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.118521e-14	5.768223e-14	1.311375e-07	3.603969e-06
	A01	3.467002e-04	4.949557e-04	8.701803e-03	1.930635e-03
	A01	5.804433e-05	1.430749e-04	5.390690e-04	6.380599e-03
	A01	1.965237e-15	4.010418e-06	7.745385e-05	1.021513e-03
	A01	1.672986e-15	2.552526e-15	6.007617e-10	8.652160e-10
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	9.982625e-06	1.363685e-05	2.362310e-04	9.226910e-04
	A01	1.266986e-14	1.910169e-14	1.541968e-05	1.742178e-02
	A01	3.787405e-14	5.665507e-14	2.215753e-05	1.459200e-03
	A01	3.764441e-14	5.657781e-14	1.795774e-05	1.182450e-03
	A01	4.160065e-06	5.396888e-06	5.533969e-05	3.378532e-04
	A01	3.529867e-06	4.490115e-06	4.481502e-05	2.582177e-04
	A01	8.323960e-14	1.246388e-13	8.463139e-05	8.863604e-03
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	4.587753e-06	4.640785e-06	5.206849e-05	1.536655e-04
	A03	3.352284e-07	3.494508e-07	7.129714e-07	1.750784e-06
	B_nongas	7.852400e-07	8.636262e-07	4.330916e-05	9.257662e-05
	B_nongas	7.517299e-09	6.618810e-09	3.114080e-08	3.849856e-07
	B_gas	3.703621e-08	3.261294e-08	1.851634e-07	7.143378e-06
	B_gas	2.317571e-08	2.040796e-08	6.185938e-08	9.873538e-07
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	7.493398e-10	5.520749e-10	1.716281e-08	5.413013e-08
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	5.744612e-10	4.232085e-10	2.465659e-08	7.387398e-07
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	3.026006e-07	2.588171e-07	1.508164e-06	2.450844e-05

B_nongas	2.176545e-06	2.352588e-06	4.471296e-06	4.807726e-05
B_nongas	1.549404e-04	2.410791e-04	8.096842e-04	1.128890e-03
C10-12	6.822224e-06	9.761111e-06	1.001289e-04	2.455938e-04
C10-12	8.058784e-06	1.155405e-05	1.266843e-04	5.387800e-04
C10-12	6.459972e-06	8.857835e-06	9.257486e-05	7.579771e-04
C10-12	1.973139e-06	3.145850e-06	4.781876e-05	6.809295e-04
C10-12	6.641563e-06	1.103175e-05	1.523297e-04	3.818403e-04
C10-12	2.558552e-05	4.136486e-05	8.318200e-04	4.545408e-03
C10-12	6.470901e-07	1.105334e-06	1.490946e-05	3.252839e-05
C10-12	1.928807e-05	3.239980e-05	4.339439e-04	1.054966e-03
C10-12	5.654020e-04	9.628851e-04	1.304057e-02	2.844803e-02
C10-12	2.629520e-04	4.479684e-04	6.362516e-03	1.420643e-02
C10-12	7.810454e-07	8.031564e-07	1.925949e-05	1.102351e-04
C10-12	4.139279e-11	7.362804e-11	3.234724e-05	9.304080e-05
C13-15	9.467657e-04	1.211475e-03	5.287968e-03	7.251160e-03
C13-15	2.483594e-05	2.447842e-05	1.036664e-03	1.851442e-02
C13-15	1.355359e-06	2.012236e-06	1.271628e-03	7.654514e-03
C16	7.307364e-06	1.338283e-05	3.694942e-04	5.599360e-03
C16	6.038585e-06	9.085549e-06	2.059858e-04	3.072966e-03
C17	6.140130e-05	6.774846e-05	1.927605e-04	1.322352e-03
C17	2.697996e-05	2.974761e-05	5.853828e-05	2.829067e-04
C17	1.957644e-05	2.951734e-05	1.806022e-02	2.560956e-01
C18	1.225152e-05	1.333534e-05	9.166434e-03	2.713246e-02
C19	4.093962e-06	4.408346e-06	7.451576e-06	1.732201e-05
C19	1.689764e-04	2.035460e-04	4.621909e-04	8.905385e-04
C24	1.124536e-08	1.218783e-08	2.332001e-08	5.833340e-08
C20-21	4.228211e-04	4.628369e-04	9.303022e-04	5.830172e-03
C20-21	9.290027e-05	1.029572e-04	2.068936e-04	1.355197e-03
C20-21	5.511471e-09	1.012095e-08	5.552253e-08	6.413997e-07
C20-21	9.526827e-09	1.804689e-08	9.091370e-07	3.928837e-06
C20-21	4.512992e-08	8.681576e-08	4.635286e-07	4.724096e-06
C22	3.277456e-05	4.835581e-05	9.594034e-03	1.098576e-01
C23	7.083754e-07	8.926617e-07	4.707473e-06	6.934883e-03
C23	1.791625e-07	2.088167e-07	1.147257e-06	8.775143e-04
C23	5.957744e-06	8.854081e-06	3.070721e-05	2.228565e-04
C23	1.083271e-05	1.611112e-05	5.601033e-05	9.557290e-05
C23	1.600564e-05	1.721537e-05	8.243399e-05	3.781725e-04
C23	1.095339e-05	1.631624e-05	5.663510e-05	9.669903e-05
C23	8.382594e-06	1.251871e-05	4.321487e-05	7.298162e-05
C24	1.158916e-04	2.777104e-04	1.794487e-03	3.063701e-03
C24	2.501197e-05	6.034639e-05	3.897223e-04	6.540164e-04
C24	1.943528e-05	3.027303e-05	1.444080e-02	2.749539e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.999957e-06	7.789700e-06	1.133429e-04	5.636266e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.100236e-05	1.712386e-05	9.927244e-05	2.582862e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.673174e-06	7.277820e-06	1.267580e-04	5.225851e-04

C24	1.146916e-05	1.838212e-05	8.333951e-05	2.534377e-04
C24	2.457877e-07	3.893019e-07	3.902426e-06	1.845398e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.864740e-06	1.382382e-05	1.002153e-04	3.600812e-04
C25_33	1.709103e-04	3.203885e-04	8.725304e-03	3.565025e-02
C25	1.013135e-04	1.700275e-04	1.246873e-02	6.826959e-02
C26	1.180239e-05	2.066321e-05	4.545488e-04	8.039497e-03
C27	2.292714e-03	4.337650e-03	3.498056e-02	2.072139e-01
C27	8.199361e-05	1.629676e-04	1.141605e-02	2.153899e-01
C28_32	1.747806e-05	2.188344e-05	6.044999e-04	2.347020e-02
C29	1.189796e-02	2.441022e-02	8.410882e-02	1.040404e+00
C30	1.561121e-04	2.575615e-04	9.832777e-04	3.972906e-03
C31	3.276292e-05	3.830637e-05	2.169719e-04	1.960801e-03
E37-39	8.554587e-06	8.392060e-06	3.028771e-05	1.734916e-04
E37-39	5.462576e-06	7.170582e-06	8.732007e-05	1.135834e-03
D35	8.816276e-07	1.213637e-06	1.074827e-05	6.922469e-05
D35	9.480335e-07	1.304221e-06	1.159446e-05	7.472306e-05
D35	2.323332e-06	3.086860e-06	2.926271e-05	1.818277e-04
D35	6.963315e-07	9.579903e-07	8.518427e-06	5.489667e-05
D35	1.397164e-09	1.863615e-09	1.457924e-08	8.818400e-08
D35	2.766940e-07	3.806521e-07	3.383955e-06	2.180617e-05
D35	8.838030e-08	1.216453e-07	1.081388e-06	6.966544e-06
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.146670e-07	1.578978e-07	1.407685e-06	9.075560e-06
D35	1.286577e-06	1.769838e-06	1.572686e-05	1.013336e-04
D35	2.573178e-06	3.539576e-06	3.144349e-05	2.017006e-04
D35	2.868255e-06	3.945426e-06	3.503898e-05	2.219564e-04
D35	3.849095e-07	5.291813e-07	4.686466e-06	3.018326e-05
E36	4.728843e-05	2.722408e-05	6.597938e-05	6.371105e-05
F	1.211044e-04	2.077823e-04	1.932604e-03	1.182172e-02
F	2.156795e-08	3.182803e-08	2.391344e-07	1.364311e-06
G45	2.993588e-04	3.962740e-04	1.125346e-03	9.352213e-03
G47	1.602368e-05	2.463155e-05	6.411781e-05	6.638164e-04
G46	6.827803e-04	8.320342e-04	6.958425e-03	6.523772e-02
G47	5.578800e-04	5.885813e-04	4.435514e-03	1.127515e-02
I	5.474737e-04	6.310710e-04	3.830914e-02	5.658039e-02
H49	1.179642e-04	1.343231e-04	3.128115e-03	8.615183e-03
H49	9.926612e-05	2.916091e-05	1.952713e-03	5.435114e-03
H49	4.792775e-05	5.516233e-05	4.298931e-05	2.954937e-04
H50	1.337971e-05	1.488095e-05	3.601744e-05	1.121921e-04
H50	1.407251e-07	1.590515e-07	2.273026e-06	2.911853e-05
H51	7.454299e-04	8.759862e-04	3.907203e-03	3.057442e-03
H52	6.777284e-05	8.600372e-05	1.356067e-03	8.611326e-03
H53	2.224507e-05	2.608043e-05	1.698688e-03	5.294558e-03
K64	3.988819e-08	5.333801e-08	2.275418e-02	5.516441e-03

	K65	0.000000e+00	0.000000e+00	4.137922e-09	1.051383e-08
	K66	6.087783e-09	8.105424e-09	1.367846e-03	7.787712e-04
	L68	1.073320e-05	1.501232e-05	4.490849e-04	2.002326e-03
	M_N	8.891559e-05	1.040696e-04	1.606321e-03	3.577048e-03
	J62_63	1.521602e-06	2.109417e-06	6.343580e-03	3.234832e-02
	M_N	8.359137e-06	9.402303e-06	4.148627e-04	7.906596e-04
	M_N	8.850705e-05	1.521973e-04	2.146836e-03	3.050128e-02
	O84	1.848005e-05	1.888906e-05	1.043723e-03	2.000731e-03
	P85	1.658183e-05	1.887699e-05	8.470410e-04	1.429282e-03
	M_N	2.151329e-05	2.437609e-05	1.226970e-03	1.837670e-03
	E37-39	7.201618e-07	7.764039e-07	2.369024e-06	1.250038e-05
	E37-39	6.069001e-07	6.574220e-07	1.998360e-06	1.049306e-05
	E37-39	4.958284e-05	1.407867e-07	1.309789e-04	1.941606e-06
	E37-39	3.846212e-06	4.147501e-06	1.236063e-05	6.846789e-05
	E37-39	1.331134e-07	1.534032e-07	4.764748e-07	2.366362e-06
	E37-39	2.908839e-07	3.259950e-07	9.842468e-07	5.008379e-06
	E37-39	1.039738e-06	1.189423e-06	3.249290e-06	1.711271e-05
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	2.197503e-06	2.368461e-06	7.052833e-06	3.720500e-05
	E37-39	2.323419e-06	2.554259e-06	7.185513e-06	3.842313e-05
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.746689e-06	1.869325e-06	5.530588e-06	2.970865e-05
	E37-39	2.780053e-06	2.977416e-06	8.803977e-06	4.725558e-05
	E37-39	4.562867e-06	4.867743e-06	1.461056e-05	8.155395e-05
	E37-39	2.709905e-06	2.898652e-06	8.625465e-06	4.612186e-05
	E37-39	4.329564e-05	5.223760e-05	2.836945e-05	1.261740e-04
	E37-39	3.722317e-06	3.875709e-06	2.520366e-05	2.153008e-04
	E37-39	5.210370e-05	6.241909e-05	3.230634e-05	9.673034e-06
	E37-39	1.003684e-04	7.971494e-07	5.820628e-05	1.199654e-05
	R_S	6.217541e-06	5.806746e-06	3.503804e-04	1.035533e-03
	R_S	1.212059e-05	1.339770e-05	6.092411e-04	1.154791e-02
	R_S	3.681047e-05	4.647964e-05	2.233293e-04	2.788243e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
GB	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	4.242273e-05	5.940195e-05	6.236662e-04	1.426733e-02
	A01	4.733010e-04	6.756940e-04	1.194813e-02	4.571005e-03
	A01	7.126786e-03	1.756700e-02	6.618719e-02	7.834200e-01
	A01	1.363072e-09	2.089607e-04	4.035636e-03	5.322491e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	7.411042e-07	2.095321e-05	9.839438e-03	2.443675e-01
	A01	1.643762e-09	3.115808e-09	7.220936e-03	4.757677e-01
	A01	9.893619e-10	1.875370e-09	1.246799e-03	8.214752e-02
	A01	1.396079e-09	2.642696e-09	2.187008e-03	1.440769e-01
	A01	2.423144e-06	4.562639e-06	1.206548e-02	7.126714e-01
	A01	1.425119e-07	2.675297e-07	2.472920e-04	2.866108e-03

A01	6.282663e-09	1.189909e-08	9.631641e-07	5.708165e-05
A01	0.000000e+00	0.000000e+00	7.846944e-05	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	3.102835e-05	3.579648e-05	3.761097e-03	1.428284e-02
A03	3.006892e-05	3.367135e-05	5.583867e-04	8.280240e-04
B_nongas	7.045287e-03	1.509951e-02	2.754449e-02	5.487429e-02
B_nongas	2.604204e-04	1.771019e-04	1.101855e-02	6.223373e-02
B_gas	6.751855e-04	4.622371e-04	2.832856e-02	1.614872e-01
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	6.960996e-11	1.189706e-10	2.963374e-09	1.744313e-08
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.087260e-06	1.842580e-06	4.556039e-05	1.732284e-04
B_nongas	1.174589e-08	1.492483e-08	2.759872e-07	1.202408e-06
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	2.988503e-04	4.950051e-04	8.397593e-02	4.896698e-01
B_nongas	1.003020e-04	1.575856e-04	2.549823e-02	1.649791e-01
B_nongas	1.172380e-03	1.961288e-03	3.257286e-01	1.890556e+00
C10-12	3.693379e-03	6.220724e-03	8.411544e-02	1.651539e-01
C10-12	2.233789e-03	3.766967e-03	4.980745e-02	9.802410e-02
C10-12	5.139397e-04	7.305017e-04	7.588318e-03	1.525350e-02
C10-12	5.111542e-04	8.098596e-04	9.914333e-03	6.980992e-02
C10-12	1.289243e-03	2.182510e-03	3.007078e-02	6.300554e-02
C10-12	1.897580e-03	2.749117e-03	7.654233e-02	4.102882e-01
C10-12	4.326092e-04	7.395976e-04	1.008407e-02	2.058107e-02
C10-12	9.994082e-05	9.209435e-05	3.458139e-04	7.494915e-04
C10-12	4.652731e-02	7.873638e-02	1.558565e+00	5.640445e+00
C10-12	2.845794e-02	4.827533e-02	6.838487e-01	1.544872e+00
C10-12	5.042986e-04	6.941926e-04	2.132886e-03	1.106167e-01
C10-12	1.128983e-04	1.232420e-04	6.425090e-03	2.553561e-02
C13-15	1.155979e-01	1.480181e-01	6.376997e-01	7.033822e-01
C13-15	2.000270e-03	2.433267e-03	2.974680e-02	3.903215e-01
C13-15	2.362074e-03	3.830174e-03	3.095721e-02	1.814725e-01
C16	2.323148e-04	3.324520e-04	2.540459e-02	1.701284e-01
C16	1.243255e-04	1.703122e-04	1.549963e-02	1.052119e-01
C17	5.149966e-04	5.723981e-04	2.379380e-03	6.540871e-03
C17	3.487582e-03	3.914524e-03	1.969349e-02	5.910608e-02
C17	4.645340e-04	7.040625e-04	1.954066e-01	2.517055e+00
C18	2.284012e-03	2.450008e-03	3.175005e+00	9.503287e+00
C19	6.582998e-06	4.579678e-06	4.622235e-03	5.752218e-03
C19	3.101622e-01	3.867256e-01	9.082207e-01	1.957409e+00
C24	2.062400e-06	1.816390e-06	4.282120e-05	3.180584e-02
C20-21	1.764828e-01	1.929222e-01	2.734911e-01	5.310888e-01
C20-21	3.326253e-02	3.625159e-02	4.992394e-02	9.485494e-02
C20-21	1.336345e-06	1.662786e-06	1.418513e-04	2.695639e-04

C20-21	2.526821e-05	3.041996e-05	3.230043e-04	1.086756e-03
C20-21	5.728937e-03	8.123355e-03	2.060188e-02	6.298120e-02
C22	9.846622e-03	1.411950e-02	3.217694e-01	3.084504e+00
C23	1.905910e-04	2.814332e-04	1.779436e-03	6.874945e-02
C23	4.396555e-05	5.983273e-05	5.850502e-04	2.923834e-02
C23	4.679198e-05	6.184734e-05	5.398137e-04	2.952090e-02
C23	3.587881e-05	4.845795e-05	5.281759e-04	3.304032e-03
C23	7.178021e-04	1.097326e-03	6.231896e-03	3.781019e-02
C23	7.686075e-05	9.779994e-05	1.026739e-03	6.989335e-03
C23	2.633387e-04	3.948822e-04	1.977886e-03	9.258427e-03
C24	9.676841e-03	2.393829e-02	1.551963e-01	2.550275e-01
C24	4.115600e-03	1.014859e-02	6.578138e-02	1.077041e-01
C24	1.252144e-04	1.841946e-04	1.412845e-01	2.685962e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.248813e-04	5.051501e-04	3.459992e-03	1.868359e-02
C24	5.604026e-04	8.764020e-04	5.338709e-03	2.755783e-02
C24	2.087395e-04	3.136004e-04	7.588485e-02	1.979683e-01
C24	7.632392e-05	1.040831e-04	5.030470e-02	1.299365e-01
C24	3.078975e-04	4.766843e-04	2.250556e-02	1.086650e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.068805e-04	4.606687e-04	2.902159e-03	8.968577e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.009950e-03	1.598576e-03	9.779776e-03	4.622433e-02
C25_33	7.306802e-02	1.244889e-01	6.634560e-01	3.677816e+00
C25	8.169145e-02	1.393460e-01	8.346770e-01	4.716129e+00
C26	9.842366e-03	1.733788e-02	1.007361e-01	9.879600e-01
C27	4.354488e-02	7.450793e-02	4.615262e-01	2.207647e+00
C27	1.431736e-02	2.539473e-02	1.414998e-01	1.396421e+00
C28_32	3.052115e-02	4.844757e-02	2.234409e-01	1.556785e+00
C29	8.403068e-02	1.406923e-01	6.841018e-01	4.811617e+00
C30	5.655585e-02	9.235661e-02	4.727901e-01	2.545739e+00
C31	3.215411e-02	5.054550e-02	2.610586e-01	8.185486e-01
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.417419e-06	3.168176e-06	2.789291e-05	2.029207e-04
D35	1.060935e-05	9.022216e-06	1.133453e-03	3.964801e-03
D35	7.916411e-05	6.481787e-05	1.575046e-02	3.907663e-02
D35	8.473413e-06	6.473252e-06	1.148969e-03	1.910022e-03
D35	5.981645e-07	4.591872e-07	2.197202e-04	2.411754e-04
D35	5.810952e-07	4.735053e-07	7.157801e-05	1.735167e-04
D35	3.570680e-06	2.697337e-06	5.142202e-04	1.127367e-03
D35	1.179880e-06	9.198785e-07	2.959983e-04	4.187248e-04
D35	9.941682e-10	1.051199e-09	7.643710e-07	5.505065e-07
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	5.492096e-07	4.227558e-07	7.695866e-05	1.724246e-04
D35	2.596540e-05	2.138661e-05	9.826706e-03	1.159390e-02
D35	9.412955e-05	8.377174e-05	6.044647e-02	5.197479e-02

D35	3.969690e-05	3.431963e-05	7.262519e-03	2.030735e-02
D35	4.819247e-07	3.686122e-07	3.282012e-04	2.577521e-04
E36	3.102615e-05	2.957679e-05	4.093859e-03	1.726540e-02
F	1.794621e-04	2.041564e-04	1.867809e-01	1.228596e+00
F	1.820440e-06	1.853219e-06	2.487833e-04	1.600208e-03
G45	2.044537e-01	2.358226e-01	5.927282e-01	3.611261e+00
G47	2.848873e-03	3.284730e-03	3.602578e-03	1.001565e-02
G46	3.174992e-01	2.799620e-01	8.479557e-01	2.654521e+00
G47	3.529127e-01	3.834003e-01	1.449586e+00	3.935159e+00
I	4.830942e-02	5.572364e-02	3.398527e+00	5.059297e+00
H49	2.306036e-02	2.625934e-02	6.793460e-01	1.666268e+00
H49	2.953643e-02	3.771296e-04	6.883291e-01	1.558319e+00
H49	1.037486e-03	1.181391e-03	2.807177e-04	1.141325e-03
H50	1.589240e-01	1.767493e-01	2.173575e-01	3.215657e-01
H50	5.569376e-05	6.191418e-05	4.726680e-04	7.067041e-03
H51	2.355354e+00	2.759170e+00	1.183696e+01	1.076703e-01
H52	8.191169e-03	9.332161e-03	1.996721e-01	1.484280e+00
H53	3.667251e-04	4.964054e-04	1.036839e+00	2.955085e+00
K64	1.101111e-04	1.466439e-04	6.297590e+01	1.547501e+01
K65	3.248188e-07	4.821693e-07	1.761434e-02	1.023624e-01
K66	8.368223e-05	9.809954e-05	1.522490e+00	1.315555e+00
L68	2.854008e-06	4.197014e-06	3.829773e-03	3.585258e-01
M_N	4.389792e-07	6.631298e-07	6.840735e-03	4.965110e-02
J62_63	2.854704e-03	5.187150e-03	2.394324e+00	1.255341e+01
M_N	4.066928e-06	7.006198e-06	6.666193e-01	3.928404e-01
M_N	1.205646e-04	1.438427e-04	2.418832e-01	1.339463e+01
O84	0.000000e+00	0.000000e+00	2.153185e-05	3.976967e-06
P85	5.511095e-05	6.528887e-05	1.948078e-02	7.522628e-02
M_N	7.064506e-06	8.769319e-06	5.627945e-03	2.580844e-02
E37-39	1.054989e-05	1.106153e-05	2.594436e-04	1.052029e-03
E37-39	7.196840e-06	8.604781e-06	1.908557e-04	7.695589e-04
E37-39	2.629203e-03	3.921694e-06	6.960878e-03	9.340636e-05
E37-39	4.316137e-05	5.734538e-05	7.430695e-04	2.379672e-03
E37-39	7.399316e-06	7.096379e-06	4.941974e-05	1.830276e-04
E37-39	9.806734e-06	9.618900e-06	6.576073e-05	2.320153e-04
E37-39	3.083246e-05	4.672363e-05	3.843815e-04	1.235031e-03
E37-39	2.549082e-06	2.099943e-06	3.986611e-04	2.858449e-04
E37-39	3.748396e-07	3.088081e-07	4.862467e-05	3.785771e-05
E37-39	9.477366e-05	1.361224e-04	9.396835e-04	4.114754e-03
E37-39	2.934306e-04	4.530984e-04	2.834162e-03	1.016445e-02
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	3.028393e-05	3.120194e-05	8.659444e-04	3.042531e-03
E37-39	5.108849e-05	6.774145e-05	1.916691e-03	6.525573e-03
E37-39	7.063695e-05	8.563446e-05	5.376928e-03	1.710056e-02
E37-39	6.493610e-05	7.992745e-05	4.281274e-03	1.234217e-02
E37-39	2.954051e-02	3.566121e-02	2.119210e-02	9.050314e-02
E37-39	1.411583e-04	1.909746e-04	4.247786e-03	1.235846e-02
E37-39	9.222727e-03	1.105824e-02	6.204228e-03	2.329600e-03

	E37-39	3.439685e-02	3.996892e-05	2.054271e-02	3.971379e-03
	R_S	2.704040e-05	2.699432e-05	1.896814e-01	2.882441e-01
	R_S	3.830731e-04	4.420438e-04	1.056937e-01	9.613684e+00
	R_S	7.125770e-05	8.569154e-05	3.599415e-02	1.317816e-01
	T	2.888122e-10	4.356579e-10	1.243563e+00	2.351032e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
US	A01	8.405717e-12	3.818005e-11	8.000581e-05	2.316851e-03
	A01	1.678322e-01	2.349972e-01	5.849353e-01	3.497188e+00
	A01	2.434398e-01	3.475392e-01	6.112560e+00	1.428083e+00
	A01	7.040841e-02	1.735515e-01	6.549314e-01	7.770118e+00
	A01	1.310597e-10	1.084542e-01	2.095566e+00	2.765370e+01
	A01	2.422352e-11	1.018906e-10	2.051495e-04	5.961898e-03
	A01	1.446528e-10	3.476190e-10	4.104760e-04	1.268798e-02
	A01	7.826474e-11	6.347745e-08	1.978645e-01	5.565996e+00
	A01	4.793410e-10	1.454114e-09	2.303994e-03	2.548699e+00
	A01	1.188784e-10	4.461296e-10	8.385423e-04	2.452353e-02
	A01	3.523462e-11	1.820159e-10	4.042468e-04	1.164400e-02
	A01	4.816770e-12	2.049068e-11	1.229819e-03	7.949989e-02
	A01	9.016389e-13	3.835598e-12	7.830753e-06	2.265185e-04
	A01	1.637508e-11	3.353927e-11	2.831522e-05	9.257146e-04
	A01	2.593613e-13	1.103330e-12	2.976708e-04	6.492232e-05
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	4.814666e-05	1.186779e-04	5.763391e-04	5.294346e-03
	A03	0.000000e+00	0.000000e+00	2.049821e-07	6.200718e-07
	B_nongas	3.569236e-01	7.651664e-01	1.328304e+00	2.643721e+00
	B_nongas	2.894415e-02	3.760365e-02	1.064987e-01	2.153281e-01
	B_gas	5.768615e-02	7.494580e-02	2.118002e-01	1.839805e+00
	B_gas	1.866420e-03	2.439627e-03	6.605151e-03	1.118259e-02
	B_nongas	0.000000e+00	0.000000e+00	1.153981e-09	3.740691e-09
	B_nongas	0.000000e+00	0.000000e+00	3.123235e-02	1.775265e+00
	B_nongas	0.000000e+00	0.000000e+00	1.370679e-04	7.812846e-03
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	4.250555e-14	2.356216e-13
	B_nongas	0.000000e+00	0.000000e+00	1.048426e-10	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	1.021619e-06	5.842246e-05
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	1.433425e-04
	B_nongas	6.290374e-07	9.697639e-07	4.505332e-04	4.877905e-02
	B_nongas	4.299673e-07	6.651269e-07	4.153128e-04	4.157744e-01
	B_nongas	1.953593e-01	3.041514e-01	1.020947e+00	1.319778e+00
	C10-12	2.123358e-04	3.630149e-04	7.609748e-03	1.200042e-01
	C10-12	1.081767e-04	1.848461e-04	3.854995e-03	1.708170e-02
	C10-12	1.723805e-04	2.945035e-04	1.073596e-01	3.702307e-01
	C10-12	8.602572e-05	1.471369e-04	3.144716e-03	1.878609e-01
	C10-12	3.812675e-04	6.516907e-04	5.081877e-02	2.501189e-01
	C10-12	8.921079e-04	1.524612e-03	1.203896e-01	6.946685e-01
	C10-12	8.796460e-09	5.061493e-08	2.577146e-02	1.949245e-01
	C10-12	7.814946e-06	1.331884e-05	6.230254e-03	1.958606e-02

C10-12	1.473319e-01	2.519052e-01	3.399927e+00	6.743558e+00
C10-12	6.093965e-04	1.040392e-03	7.034623e-01	4.181834e+00
C10-12	8.027697e-05	1.372040e-04	1.914435e-03	1.704213e-01
C10-12	2.054425e-08	1.634849e-07	1.532805e-02	4.286641e-02
C13-15	1.479459e-01	1.888576e-01	8.063933e-01	9.589083e-01
C13-15	2.630540e-04	2.041467e-04	1.976650e-02	3.823731e-01
C13-15	1.468090e-06	1.527187e-05	2.495259e-02	1.496376e-01
C16	2.407547e-05	2.753095e-05	1.239516e-02	2.313250e-01
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	4.956537e-01	5.467957e-01	7.287999e-01	7.307005e-01
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.392991e-01	1.539884e-01	5.295181e-01	4.562774e+00
C18	7.189751e-04	5.819416e-04	2.042287e+00	6.562736e+00
C19	1.021431e-03	7.037427e-04	1.765779e-03	6.252860e-03
C19	7.218064e-01	8.896108e-01	2.232106e+00	4.568492e+00
C24	1.613072e-07	2.733558e-07	1.234487e-06	8.898240e-02
C20-21	1.908737e+00	2.034080e+00	1.948588e+00	2.157520e+00
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	6.595903e-08	1.099906e-07	1.387062e-04	2.478013e-04
C20-21	4.000042e-05	6.761456e-05	1.188665e-03	3.037327e-03
C20-21	1.281804e-02	1.875192e-02	4.669451e-02	1.817789e-01
C22	1.621191e-02	1.786993e-02	4.474322e-01	4.849651e+00
C23	1.624935e-05	3.244840e-05	6.838554e-04	1.766819e-01
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.365429e-05	3.742368e-05	4.929093e-04	3.633155e-02
C23	1.133497e-06	1.756363e-06	1.503260e-04	2.071681e-06
C23	1.400749e-03	2.183880e-03	7.505465e-03	2.136600e-02
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	8.638994e-03	1.314516e-02	4.538309e-02	5.934984e-02
C24	2.515812e-02	6.325327e-02	4.127778e-01	6.696648e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.492646e-05	1.382800e-04	1.435911e-01	2.732790e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.538751e-05	7.964997e-05	3.579447e-03	5.801037e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.050400e-06	1.461540e-05	7.518207e-02	1.933053e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.006360e-04	2.004427e-04	4.700926e-02	3.100242e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.524886e-05	3.143973e-05	3.335837e-04	2.843342e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.811096e-05	9.335697e-05	1.471047e-03	4.162175e-03
C25_33	2.765309e-03	4.538963e-03	6.599063e-01	1.677994e+00
C25	7.047133e-03	1.089557e-02	1.367834e+00	7.297232e+00
C26	5.343279e-04	1.015637e-03	3.652262e-02	2.625571e+00
C27	8.661598e-02	1.639324e-01	1.323809e+00	7.872614e+00
C27	4.557056e-03	7.617111e-03	6.509198e-01	1.207549e+01
C28_32	3.628517e-03	4.875017e-03	1.323375e-01	8.261522e+00

C29	1.745274e-01	3.574056e-01	1.253163e+00	1.528300e+01
C30	5.232342e-01	8.392701e-01	2.622809e+00	7.519089e+00
C31	6.035641e-03	7.311105e-03	1.701575e-02	1.351172e-01
E37-39	3.673123e-03	5.700559e-03	2.743097e-02	1.395947e-01
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	3.992594e-05	5.215678e-05
D35	0.000000e+00	0.000000e+00	2.307558e-05	3.017008e-05
D35	0.000000e+00	0.000000e+00	1.681637e-05	2.198152e-05
D35	0.000000e+00	0.000000e+00	1.022942e-05	1.338773e-05
D35	0.000000e+00	0.000000e+00	1.373348e-06	1.797367e-06
D35	0.000000e+00	0.000000e+00	3.895693e-06	5.098480e-06
D35	0.000000e+00	0.000000e+00	2.588714e-06	3.387973e-06
D35	0.000000e+00	0.000000e+00	3.842957e-08	5.029461e-08
D35	0.000000e+00	0.000000e+00	2.707984e-08	3.543808e-08
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	6.648647e-07	8.701401e-07
D35	0.000000e+00	0.000000e+00	2.094037e-07	2.740567e-07
D35	0.000000e+00	0.000000e+00	2.526699e-05	3.306812e-05
D35	0.000000e+00	0.000000e+00	3.792324e-05	4.952726e-05
D35	0.000000e+00	0.000000e+00	1.661753e-03	2.238221e-03
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
F	4.942532e-07	6.567929e-07	9.252568e-03	6.263180e-02
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.059154e-01	1.221710e-01	2.917534e-01	1.830352e+00
G47	1.286010e-03	1.483376e-03	1.625562e-05	5.350155e-05
G46	1.737846e-01	1.530304e-01	3.540910e-01	8.088588e-01
G47	1.083609e-01	1.174426e-01	2.247129e-01	5.621038e-01
I	7.142733e-02	8.238946e-02	5.034243e+00	7.410048e+00
H49	2.063454e-02	2.349613e-02	6.022519e-01	1.472427e+00
H49	6.971305e-02	3.335065e-04	1.570121e+00	3.503015e+00
H49	7.153024e-02	8.145087e-02	1.004347e-03	6.154263e-04
H50	2.492943e-02	2.772520e-02	3.270451e-02	4.544703e-02
H50	5.674587e-05	6.462433e-05	6.625842e-04	1.376407e-02
H51	1.291604e+00	1.513045e+00	6.478089e+00	0.000000e+00
H52	4.006761e-02	4.391084e-02	2.058276e-01	1.121211e+00
H53	9.201033e-06	1.366319e-05	1.033429e+00	4.376059e+00
K64	3.075201e-04	4.112896e-04	1.796630e+02	4.265216e+01
K65	0.000000e+00	0.000000e+00	9.538360e-06	2.423552e-05
K66	3.124815e-06	4.159062e-06	6.184633e-01	3.972281e-01
L68	6.234590e-07	9.167137e-07	2.616704e-04	7.224478e-02
M_N	1.122583e-06	5.045076e-07	6.319902e-03	1.611485e-03
J62_63	4.257245e-05	6.348304e-05	3.442550e+00	1.773924e+01
M_N	2.569327e-05	4.463725e-05	4.357073e+00	1.712645e+00
M_N	1.619019e-05	2.353353e-05	4.630204e-02	3.550684e+01
O84	8.688866e-05	9.067912e-05	1.279565e-02	3.439259e-01
P85	7.038456e-12	1.180698e-11	2.625997e-09	2.012250e-09
M_N	5.950633e-08	9.367308e-08	4.914812e-06	1.712802e-05

E37-39	9.623741e-09	1.828038e-08	6.278702e-08	1.117055e-05
E37-39	1.081619e-08	1.974833e-08	6.043738e-08	1.362309e-05
E37-39	3.345872e-05	2.625256e-08	8.834125e-05	1.034858e-05
E37-39	4.705065e-08	8.525362e-08	1.073574e-07	1.655095e-05
E37-39	1.182012e-08	2.105563e-08	6.783303e-08	3.773349e-06
E37-39	1.611294e-08	2.901785e-08	8.347583e-08	4.859745e-06
E37-39	6.599691e-08	1.279911e-07	1.359120e-07	1.867855e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	3.917138e-08	6.141871e-08	1.100779e-07	4.214768e-04
E37-39	8.639970e-08	1.460662e-07	6.832791e-08	1.405867e-06
E37-39	1.841120e-07	2.463161e-07	4.557587e-07	2.366017e-05
E37-39	2.248905e-08	3.043147e-08	8.458547e-09	1.086071e-07
E37-39	3.442990e-08	4.769205e-08	1.409298e-08	1.527161e-07
E37-39	3.252566e-08	4.396422e-08	1.459039e-08	3.221044e-05
E37-39	3.492730e-08	4.805173e-08	2.394222e-08	3.964261e-05
E37-39	3.149341e-05	3.802679e-05	2.011648e-05	1.188539e-04
E37-39	7.526030e-08	1.095318e-07	6.434891e-08	5.164062e-05
E37-39	3.718103e-05	4.459554e-05	2.201499e-05	1.059538e-05
E37-39	7.085312e-05	4.941066e-08	3.979904e-05	1.361762e-05
R_S	4.420843e-11	6.549743e-11	2.820814e-05	4.093993e-05
R_S	8.650143e-07	1.280646e-06	3.060296e-04	4.588727e+00
R_S	1.962533e-10	2.905093e-10	4.180492e-08	2.490216e-07
T	0.000000e+00	0.000000e+00	7.759730e-08	1.467020e-07
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
JP A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	1.458056e-05	2.088868e-05	3.673678e-04	9.977695e-05
A01	7.422204e-05	1.829518e-04	6.893076e-04	8.158941e-03
A01	5.004386e-08	1.233544e-07	4.647624e-07	5.501128e-06
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	2.399650e-06	2.663212e-03	7.422245e-02
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	4.693103e-04	3.092169e-02
A01	0.000000e+00	0.000000e+00	3.211357e-10	4.478843e-09
A01	0.000000e+00	0.000000e+00	8.660832e-05	5.706401e-03
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0.000000e+00	0.000000e+00	9.917687e-07	1.359378e-08
A03	0.000000e+00	0.000000e+00	3.612740e-08	1.092855e-07
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	1.953598e-10	2.698339e-05
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	5.363228e-09	6.228606e-03
B_nongas	0.000000e+00	0.000000e+00	8.645174e-09	2.650527e-03
B_nongas	3.183559e-02	4.956803e-02	1.663984e-01	2.146708e-01
C10-12	0.000000e+00	3.917077e-10	7.826999e-07	6.061395e-04
C10-12	0.000000e+00	0.000000e+00	5.617473e-08	8.227266e-08
C10-12	8.147560e-11	1.085774e-10	5.596415e-05	1.949136e-04
C10-12	0.000000e+00	4.900477e-11	2.979659e-08	1.848071e-04
C10-12	3.205466e-05	5.480900e-05	8.529882e-04	2.089896e-03
C10-12	3.595598e-09	4.889175e-09	1.862673e-03	1.220111e-02
C10-12	0.000000e+00	7.734320e-11	5.449909e-05	4.122057e-04
C10-12	1.740388e-05	2.975820e-05	4.105143e-04	8.200131e-04
C10-12	2.838374e-03	4.853231e-03	6.532361e-02	1.285842e-01
C10-12	2.035436e-07	2.730946e-07	3.272255e-02	1.971469e-01
C10-12	1.816212e-07	2.421601e-07	1.895702e-05	1.979746e-01
C10-12	1.719589e-11	2.308624e-11	4.211473e-05	1.155071e-04
C13-15	1.694685e-01	2.170689e-01	9.316620e-01	9.898482e-01
C13-15	7.503095e-06	5.059327e-06	6.624292e-04	1.304911e-02
C13-15	4.179232e-08	4.582281e-07	7.511413e-04	4.501581e-03
C16	1.340293e-08	2.222235e-08	5.402595e-04	1.035922e-02
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.147295e-04	1.265674e-04	1.686962e-04	1.691360e-04
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	4.950970e-05	7.820939e-05	5.262561e-02	7.468546e-01
C18	2.692730e-05	1.633409e-05	1.094978e-01	3.107402e-01
C19	2.340602e-07	1.612570e-07	4.045862e-07	1.432785e-06
C19	2.018901e-02	2.456702e-02	6.726859e-02	1.370184e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	7.062556e-04
C20-21	3.699442e-01	3.941998e-01	3.772223e-01	4.152826e-01
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	5.703275e-06	2.018283e-05
C20-21	9.219839e-04	1.482109e-03	1.016509e-03	3.021327e-03
C22	1.429117e-05	1.978347e-05	3.374194e-01	3.872594e+00
C23	7.142661e-07	2.630099e-06	1.774750e-05	9.258056e-02
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.791053e-06	1.794177e-06	2.199746e-06	1.100330e-02
C23	1.853410e-10	2.729978e-10	2.339423e-06	2.570647e-08
C23	4.901112e-07	9.334251e-07	1.105246e-06	7.061357e-07
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.438167e-04	2.228081e-04	6.250204e-04	6.024271e-05

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	H49	1.550716e-06	1.765768e-06	4.526010e-05	1.106550e-04
	H49	9.016854e-07	3.746326e-09	2.031521e-05	4.527635e-05
	H49	1.024214e-05	1.166263e-05	1.438086e-07	8.812048e-08
	H50	2.024846e-02	2.251925e-02	2.655224e-02	3.679423e-02
	H50	1.815938e-07	2.068059e-07	2.120013e-06	4.405654e-05
	H51	6.642899e-04	7.781799e-04	3.331770e-03	0.000000e+00
	H52	1.758595e-07	2.002476e-07	2.642161e-06	2.560074e-05
	H53	5.538291e-06	8.132237e-06	1.153428e+00	3.021143e+00
	K64	6.297609e-09	8.422543e-09	3.679762e-03	8.735635e-04
	K65	0.000000e+00	0.000000e+00	5.681511e-08	1.443585e-07
	K66	8.598844e-10	1.144487e-09	1.701883e-04	1.093089e-04
	L68	3.247702e-11	4.775397e-11	1.245326e-08	3.763283e-06
	M_N	3.081382e-11	4.681626e-11	1.280185e-09	7.105763e-09
	J62_63	4.751858e-05	7.086004e-05	3.846835e+00	1.970099e+01
	M_N	5.665774e-10	9.843892e-10	9.612199e-05	3.722546e-05
	M_N	4.253744e-11	6.227147e-11	3.008381e-09	9.664246e-05
	O84	0.000000e+00	0.000000e+00	2.519382e-05	4.653338e-06
	P85	5.897821e-07	9.893572e-07	2.200434e-04	1.686149e-04
	M_N	3.227719e-06	5.080978e-06	2.665873e-04	9.290512e-04
	E37-39	7.240243e-09	1.375290e-08	4.709183e-08	1.500646e-07
	E37-39	8.167486e-09	1.491230e-08	4.545924e-08	1.390785e-07
	E37-39	2.532639e-05	1.987173e-08	6.686928e-05	8.195613e-08
	E37-39	3.554736e-08	6.441018e-08	8.089476e-08	2.461880e-07
	E37-39	8.804028e-09	1.568295e-08	5.047766e-08	1.497487e-07
	E37-39	1.204972e-08	2.170037e-08	6.236529e-08	1.962780e-07
	E37-39	4.890541e-08	9.484472e-08	1.006970e-07	3.985975e-07
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	6.253771e-08	1.057254e-07	4.944356e-08	2.507695e-07
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	2.103768e-08	2.846753e-08	7.912662e-09	1.015980e-07
	E37-39	3.223280e-08	4.464864e-08	1.319366e-08	1.429707e-07
	E37-39	2.460858e-08	3.326288e-08	1.061270e-08	7.628843e-08
	E37-39	2.638688e-08	3.630213e-08	1.756384e-08	8.151379e-08
	E37-39	2.374297e-05	2.866850e-05	1.516547e-05	6.700047e-05
	E37-39	5.691814e-08	8.283715e-08	4.798410e-08	1.874280e-07
	E37-39	2.775239e-05	3.328666e-05	1.643212e-05	7.459465e-08
	E37-39	5.305872e-05	3.700142e-08	2.980354e-05	8.377051e-08
	R_S	2.677545e-11	3.967868e-11	1.831183e-05	2.636858e-05
	R_S	1.405630e-06	2.100967e-06	7.165119e-04	1.111267e+01
	R_S	8.190460e-06	1.212478e-05	1.733886e-03	3.125129e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CN	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	8.840434e-05	1.262077e-04	2.218839e-03	4.919076e-04
	A01	2.173841e-02	5.358356e-02	2.018868e-01	2.389619e+00

A01	0.000000e+00	2.297835e-02	4.437812e-01	5.852920e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	4.351817e-08	1.359109e-01	3.823096e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	4.242201e-05	2.795081e-03
A01	0.000000e+00	0.000000e+00	3.005588e-08	4.191860e-07
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	8.426396e-05	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0.000000e+00	0.000000e+00	4.095653e-05	5.613750e-07
A03	0.000000e+00	0.000000e+00	8.335701e-08	2.521553e-07
B_nongas	7.136707e-03	1.527768e-02	3.687418e-02	5.259300e-02
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	2.284106e-02	1.297629e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	2.036453e-09
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	4.633851e-04
B_nongas	0.000000e+00	0.000000e+00	1.308181e-07	1.758090e-01
B_nongas	0.000000e+00	0.000000e+00	9.892823e-07	3.033044e-01
B_nongas	1.092416e-01	1.700893e-01	5.709845e-01	7.366280e-01
C10-12	0.000000e+00	3.147015e-10	6.288282e-07	4.869780e-04
C10-12	0.000000e+00	0.000000e+00	3.654958e-09	5.352995e-09
C10-12	1.615365e-08	2.152695e-08	1.109565e-02	3.864428e-02
C10-12	0.000000e+00	3.114650e-09	1.893814e-06	1.174599e-02
C10-12	4.535042e-09	6.306475e-09	1.979834e-03	1.095365e-02
C10-12	7.826617e-10	1.064237e-09	4.054521e-04	2.655841e-03
C10-12	0.000000e+00	1.498027e-08	1.055570e-02	7.983835e-02
C10-12	4.032077e-08	5.398551e-08	2.415600e-03	7.648025e-03
C10-12	5.723952e-02	9.787175e-02	1.317336e+00	2.593068e+00
C10-12	3.728526e-07	5.002565e-07	5.994138e-02	3.611351e-01
C10-12	7.634103e-07	1.017874e-06	7.968224e-05	8.321488e-01
C10-12	2.726650e-08	3.660648e-08	6.677883e-02	1.831528e-01
C13-15	4.144859e+00	5.309070e+00	2.278659e+01	2.420971e+01
C13-15	6.602761e-03	4.452233e-03	5.829410e-01	1.148328e+01
C13-15	5.670049e-05	6.216873e-04	1.019089e+00	6.107387e+00
C16	2.506474e-06	4.155790e-06	1.010336e-01	1.937272e+00
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.834592e-02	2.023886e-02	2.697550e-02	2.704583e-02

C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.139301e-03	1.799730e-03	1.211004e+00	1.718638e+01
C18	6.921316e-04	4.198468e-04	2.814500e+00	7.987177e+00
C19	4.863389e-03	3.350655e-03	1.018472e-02	3.196730e-02
C19	1.924995e-01	2.420224e-01	6.356013e-01	1.885035e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	4.842969e-03
C20-21	2.376966e+00	2.532814e+00	2.423730e+00	2.668275e+00
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	5.499035e-04	9.813370e-04
C20-21	0.000000e+00	0.000000e+00	5.217588e-03	1.846407e-02
C20-21	9.160716e-03	1.482576e-02	3.477043e-02	3.243382e-02
C22	9.773323e-05	1.352935e-04	2.307514e+00	2.648355e+01
C23	1.970080e-05	7.254305e-05	4.895093e-04	2.553545e+00
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.872651e-04	1.875918e-04	2.299964e-04	1.150460e+00
C23	3.710850e-07	5.465891e-07	4.683932e-03	5.146882e-05
C23	8.365240e-05	1.593174e-04	1.886440e-04	1.205236e-04
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.087167e-03	1.684294e-03	4.724775e-03	4.553983e-04
C24	1.606743e-01	4.045783e-01	2.624670e+00	4.040287e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.599043e-08	1.641736e-07	4.994017e-02	9.573662e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.436239e-06	5.861650e-06	7.522722e-03	2.571235e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.920811e-08	3.198521e-08	4.522063e-02	1.161556e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.908773e-07	1.211278e-06	5.734084e-02	2.775521e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.850973e-07	9.470657e-07	6.391084e-05	3.987640e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	4.088420e-03	2.686955e-03	3.180718e+00	7.417480e+00
C25	6.545303e-03	9.501747e-03	1.922303e+00	1.020186e+01
C26	6.851297e-04	1.632753e-03	7.994747e-02	7.666157e+00
C27	2.427178e-01	4.596131e-01	3.682521e+00	2.159292e+01
C27	2.259386e-05	3.340498e-05	3.183460e+00	6.120174e+01
C28_32	6.345707e-04	5.084123e-04	5.232715e-02	4.091322e+00
C29	1.015071e-01	2.084243e-01	7.139304e-01	8.859418e+00
C30	1.588627e-01	2.547784e-01	7.889832e-01	2.215727e+00
C31	5.584735e-03	6.373046e-03	4.506837e-03	1.420317e-02
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
F	8.568692e-07	1.138658e-06	1.604085e-02	1.085825e-01
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	6.117251e-03	7.056108e-03	1.685051e-02	1.057138e-01
G47	7.307912e-05	8.429467e-05	9.237455e-07	3.040292e-06
G46	1.004616e-02	8.846404e-03	2.046934e-02	4.675861e-02
G47	6.344200e-03	6.875904e-03	1.315625e-02	3.290946e-02
I	4.507721e-07	5.199532e-07	3.177069e-05	4.676103e-05
H49	2.103562e-06	2.395282e-06	6.139580e-05	1.501047e-04
H49	1.226262e-06	5.094878e-09	2.762801e-05	6.157433e-05
H49	1.394215e-05	1.587581e-05	1.957600e-07	1.199544e-07
H50	9.109921e-06	1.013157e-05	1.194604e-05	1.655398e-05
H50	2.456709e-07	2.797793e-07	2.868080e-06	5.960230e-05
H51	3.490896e-05	4.089398e-05	1.750872e-04	0.000000e+00
H52	2.402064e-07	2.735181e-07	3.608925e-06	3.496803e-05
H53	1.959277e-08	2.876935e-08	4.080472e-03	1.068787e-02
K64	1.655947e-09	2.214695e-09	9.675878e-04	2.297022e-04
K65	0.000000e+00	0.000000e+00	3.941371e-10	1.001442e-09
K66	1.975506e-07	2.629355e-07	3.909920e-02	2.511273e-02
L68	3.954145e-08	5.814146e-08	1.516210e-05	4.581876e-03
M_N	7.028989e-11	1.067933e-10	2.920250e-09	1.620907e-08
J62_63	1.137368e-06	1.696052e-06	9.207489e-02	4.715478e-01
M_N	6.146918e-07	1.067985e-06	1.042848e-01	4.038670e-02
M_N	1.568908e-07	2.296758e-07	1.109581e-05	3.564464e-01
O84	0.000000e+00	0.000000e+00	2.149191e-10	3.969591e-11
P85	1.108310e-11	1.859186e-11	4.135024e-09	3.168587e-09
M_N	2.441453e-10	3.843262e-10	2.016472e-08	7.027362e-08
E37-39	9.887148e-09	1.878072e-08	6.430777e-08	2.049256e-07
E37-39	1.115337e-08	2.036398e-08	6.207834e-08	1.899232e-07
E37-39	3.458495e-05	2.713623e-08	9.131467e-05	1.119168e-07
E37-39	4.854306e-08	8.795779e-08	1.104689e-07	3.361915e-07
E37-39	1.202247e-08	2.141608e-08	6.893049e-08	2.044915e-07
E37-39	1.645475e-08	2.963340e-08	8.516426e-08	2.680316e-07
E37-39	6.679212e-08	1.295333e-07	1.375260e-07	5.443809e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

E37-39	8.540075e-08	1.443774e-07	6.751954e-08	3.424478e-07
E37-39	1.902861e-07	2.545763e-07	4.706258e-07	7.025511e-07
E37-39	2.874152e-08	3.889212e-08	1.081022e-08	1.388024e-07
E37-39	4.402878e-08	6.098834e-08	1.802203e-08	1.952925e-07
E37-39	3.360987e-08	4.542973e-08	1.449460e-08	1.041931e-07
E37-39	3.603995e-08	4.958247e-08	2.398919e-08	1.113338e-07
E37-39	3.242311e-05	3.914935e-05	2.070978e-05	9.149505e-05
E37-39	7.772673e-08	1.131214e-07	6.552651e-08	2.559494e-07
E37-39	3.790430e-05	4.546303e-05	2.244305e-05	1.018816e-07
E37-39	7.246855e-05	5.053720e-08	4.070621e-05	1.144153e-07
R_S	3.656284e-11	5.418266e-11	2.500547e-05	3.600724e-05
R_S	6.004450e-09	8.974733e-09	3.060734e-06	4.747013e-02
R_S	2.036481e-10	3.014712e-10	4.311145e-08	7.770340e-08
T	0.000000e+00	0.000000e+00	3.810946e-06	7.204804e-06
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CA A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	3.603118e-02	5.230733e-02	1.356284e-01	9.040878e-01
A01	1.492727e-02	2.300965e-02	3.487594e-01	2.540316e-01
A01	9.326159e-03	2.298824e-02	8.661494e-02	1.025196e+00
A01	1.537752e-03	1.418832e-02	2.151021e-01	2.817556e+00
A01	2.162633e-07	5.330678e-07	2.009133e-06	2.377492e-05
A01	1.020065e-07	2.514360e-07	9.476625e-07	1.121409e-05
A01	1.370906e-03	3.378931e-03	1.789740e-02	2.958902e-01
A01	7.359963e-05	1.235033e-04	8.183256e-04	4.697026e-03
A01	4.353347e-05	7.305803e-05	4.840668e-04	2.778516e-03
A01	3.241303e-05	5.439454e-05	3.604132e-04	2.068749e-03
A01	7.162728e-06	1.094755e-05	7.892582e-04	4.754462e-02
A01	1.040704e-06	6.774033e-08	3.280713e-06	1.402157e-04
A01	8.058330e-05	1.352304e-04	8.960130e-04	5.143022e-03
A01	1.464882e-06	2.458728e-06	2.681274e-05	9.351060e-05
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	1.041610e-06	6.056109e-07	2.172588e-04	2.576415e-03
A03	1.148358e-05	2.001512e-05	3.469958e-04	1.230386e-03
B_nongas	6.670989e-03	1.409564e-02	2.430875e-02	4.769178e-02
B_nongas	1.384717e-02	2.155952e-02	7.256941e-02	9.502223e-02
B_gas	1.418952e-02	2.209272e-02	7.439439e-02	9.764880e-02
B_gas	2.021491e-03	3.147303e-03	1.062302e-02	1.402368e-02
B_nongas	1.474927e-12	2.144219e-12	6.725044e-09	3.451752e-08
B_nongas	3.188767e-09	4.629695e-09	1.126197e-01	6.398029e+00
B_nongas	1.372352e-08	2.376336e-08	2.296329e-03	2.704352e-03
B_nongas	2.234110e-10	3.865015e-10	3.716075e-05	4.662911e-05
B_nongas	3.876486e-09	5.635556e-09	1.767514e-05	9.072088e-05
B_nongas	7.706354e-10	1.120334e-09	3.524924e-06	1.803507e-05
B_nongas	1.386485e-09	2.398622e-09	2.306190e-04	2.893794e-04
B_nongas	9.503017e-12	1.381529e-11	4.332974e-08	6.118195e-02
B_nongas	7.584233e-08	6.679129e-08	9.847134e-07	8.228466e-03
B_nongas	4.427084e-03	6.892322e-03	2.313880e-02	3.495661e-02

B_nongas	2.103825e-01	3.275656e-01	1.100921e+00	1.418720e+00
C10-12	9.260104e-06	1.585176e-05	7.312031e-04	6.146917e-03
C10-12	6.364095e-06	9.625151e-06	3.824690e-04	5.036595e-04
C10-12	3.312157e-07	5.494676e-07	2.497514e-04	9.848447e-04
C10-12	4.437740e-05	7.584224e-05	2.786541e-03	7.261517e-03
C10-12	4.477311e-05	7.630028e-05	1.481232e-03	4.852447e-03
C10-12	6.909530e-05	1.181191e-04	2.934371e-02	1.836333e-01
C10-12	0.000000e+00	6.436472e-13	4.535394e-07	3.430360e-06
C10-12	2.159456e-04	3.691989e-04	5.723911e-03	1.213371e-02
C10-12	8.383870e-03	1.431005e-02	1.952061e-01	3.919069e-01
C10-12	1.880620e-05	3.212416e-05	1.408397e-02	7.704556e-02
C10-12	1.230344e-06	1.091403e-06	4.527416e-04	1.314410e-02
C10-12	7.940916e-09	1.203974e-08	9.785051e-04	2.204115e-03
C13-15	5.657345e-03	7.276787e-03	3.230252e-02	4.292150e-02
C13-15	5.707039e-04	7.131267e-04	5.863180e-03	5.485888e-02
C13-15	1.413595e-07	4.761185e-07	7.335564e-04	4.974165e-03
C16	2.046544e-05	4.025462e-05	1.404709e-02	8.981088e-02
C16	1.492773e-05	2.541582e-05	3.077351e-03	1.948544e-02
C17	1.994800e-02	2.200629e-02	3.024672e-02	3.502606e-02
C17	8.239752e-03	9.089514e-03	1.250216e-02	1.452065e-02
C17	3.351668e-03	3.756718e-03	9.698211e-02	1.276334e+00
C18	1.520642e-05	1.287552e-05	5.228141e-02	1.890104e-01
C19	2.448071e-06	2.285644e-06	5.426352e-05	2.733658e-04
C19	7.734973e-03	9.617134e-03	2.561996e-02	4.941930e-02
C24	1.574209e-06	2.249444e-06	2.222708e-04	2.094607e-03
C20-21	2.983038e-10	5.692401e-12	6.634819e-09	1.478359e-08
C20-21	1.010159e-10	1.076418e-10	1.033634e-10	1.141562e-10
C20-21	3.128222e-12	3.601838e-12	2.941132e-10	5.483970e-09
C20-21	9.201206e-08	8.122953e-08	3.998814e-05	1.376533e-04
C20-21	1.324901e-03	1.818453e-03	1.680908e-02	1.947361e-02
C22	2.902646e-04	5.476032e-04	3.515725e-02	3.816588e-01
C23	1.780506e-05	3.139907e-05	5.046293e-04	9.430556e-03
C23	1.368075e-06	2.043429e-06	9.973975e-05	4.931980e-04
C23	2.349784e-07	2.366561e-07	2.750210e-05	1.474593e-03
C23	1.540462e-09	2.556638e-09	2.131573e-05	2.983057e-05
C23	5.127632e-06	9.445851e-06	1.677530e-04	6.649409e-04
C23	1.659889e-06	1.936062e-06	8.970132e-05	1.189143e-04
C23	3.886208e-04	6.504264e-04	4.987350e-03	1.746863e-02
C24	6.107166e-04	1.532275e-03	1.265984e-02	2.546323e-02
C24	2.722402e-04	6.773386e-04	5.531280e-03	1.325799e-02
C24	2.487908e-06	5.622158e-06	6.297838e-03	1.202448e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.549813e-06	1.340877e-05	3.563727e-04	1.149763e-02
C24	1.414874e-07	2.510976e-07	6.453406e-04	5.370901e-04
C24	2.174123e-05	5.035552e-05	3.107665e-03	9.480810e-03
C24	2.251575e-06	5.089827e-06	4.313380e-04	1.316770e-03
C24	3.454908e-05	7.948410e-05	9.956328e-04	6.218023e-03
C24	3.769574e-09	8.521501e-09	9.126632e-08	6.173701e-07

C24	4.006311e-05	9.265512e-05	8.495877e-04	4.148168e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.671147e-05	3.667839e-05	1.150692e-03	2.471630e-03
C25_33	4.843276e-04	9.006136e-04	5.102315e-02	1.553158e-01
C25	1.023568e-03	1.680388e-03	7.208056e-02	3.824052e-01
C26	7.243723e-06	1.710202e-05	2.338507e-03	1.055325e-01
C27	3.359871e-03	6.322492e-03	5.144607e-02	3.085581e-01
C27	2.585800e-04	4.788428e-04	2.892665e-02	3.964065e-01
C28_32	1.208345e-04	1.711584e-04	7.210393e-03	2.023793e-01
C29	1.025473e-02	2.101010e-02	8.380458e-02	9.183618e-01
C30	2.270954e-02	3.645619e-02	1.174322e-01	3.276695e-01
C31	7.199030e-04	1.098456e-03	8.079851e-03	4.561827e-02
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	4.483426e-06	5.427439e-06	6.546364e-04	5.008772e-04
D35	1.535630e-06	1.784439e-06	4.227022e-04	3.120949e-04
D35	3.369798e-06	3.734386e-06	4.512549e-04	3.454507e-04
D35	7.803656e-06	8.833954e-06	1.706394e-03	1.264734e-03
D35	1.260353e-07	1.402333e-07	1.454457e-04	6.192651e-05
D35	5.488162e-07	6.163038e-07	6.142741e-05	4.928963e-05
D35	3.160265e-07	3.582419e-07	3.423272e-05	2.745380e-05
D35	9.148686e-10	1.013419e-09	7.385340e-09	4.539289e-08
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	6.404884e-10	7.094821e-10	5.170385e-09	3.177900e-08
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.744161e-09	4.498590e-09	3.221116e-07	2.571276e-07
D35	3.699160e-06	4.295519e-06	4.421023e-04	3.395270e-04
D35	8.660855e-06	1.009871e-05	1.340464e-03	1.024399e-03
D35	3.666157e-06	4.672531e-06	4.510864e-05	1.986043e-04
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	2.488484e-07	3.764109e-07	1.283790e-06	2.013774e-06
F	5.896958e-08	9.250585e-08	6.344013e-03	1.237967e-02
F	1.641875e-13	2.195629e-13	3.885966e-09	5.360999e-08
G45	2.639653e-03	3.051340e-03	8.317330e-03	5.118578e-02
G47	4.406306e-05	5.092532e-05	1.462689e-05	7.626316e-05
G46	5.857537e-03	5.476011e-03	3.696764e-02	1.702392e-01
G47	4.242260e-03	4.661856e-03	1.043912e-02	3.724771e-02
I	2.251442e-05	2.427505e-05	2.914850e-04	7.845166e-04
H49	8.213627e-06	9.105162e-06	1.228406e-04	3.692556e-04
H49	4.622288e-06	1.921675e-06	1.402914e-04	3.499862e-04
H49	2.262278e-05	2.565620e-05	5.812140e-06	9.945654e-05
H50	1.108031e-05	1.229627e-05	1.712807e-05	5.489919e-05
H50	2.756461e-07	3.077000e-07	3.274436e-06	6.715318e-05
H51	4.883810e-05	5.709039e-05	2.483167e-04	6.077494e-05
H52	4.058645e-05	4.553244e-05	1.929822e-02	1.055373e-02
H53	1.073479e-06	1.456936e-06	8.522252e-02	1.464756e-01
K64	2.526610e-07	2.962854e-07	1.095427e-02	9.497649e-03
K65	7.541942e-09	1.065308e-08	9.255049e-04	1.897008e-03

	K66	3.761140e-07	4.709086e-07	4.625060e-02	3.235366e-02
	L68	7.874761e-07	3.357836e-07	4.618747e-04	9.055686e-03
	M_N	2.452462e-04	2.698166e-04	1.107239e-02	1.247968e-02
	J62_63	2.756058e-05	3.102582e-05	1.401276e-01	7.136631e-01
	M_N	5.123608e-06	8.892874e-06	8.678630e-01	3.361053e-01
	M_N	2.269733e-05	2.335682e-05	1.270490e-02	1.209553e+00
	O84	1.178989e-04	9.258792e-05	5.666572e-03	1.229582e-02
	P85	2.739683e-08	4.650512e-08	4.228068e-03	3.909451e-03
	M_N	3.389502e-08	5.042392e-08	2.369439e-03	2.217897e-02
	E37-39	3.651786e-09	6.927353e-09	6.726430e-08	6.727890e-07
	E37-39	3.926735e-09	7.163308e-09	5.888378e-08	6.201169e-07
	E37-39	1.078886e-05	8.475710e-09	2.849590e-05	1.727320e-07
	E37-39	1.362768e-08	2.468761e-08	6.301981e-08	6.085903e-07
	E37-39	5.474053e-09	9.750726e-09	3.429699e-08	1.425529e-07
	E37-39	5.639126e-09	1.015519e-08	3.113320e-08	1.341900e-07
	E37-39	5.445728e-09	1.052372e-08	1.595535e-06	1.823095e-05
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	4.989599e-08	8.433385e-08	3.058938e-07	3.845525e-06
	E37-39	1.228010e-07	1.642990e-07	3.570073e-07	1.183308e-06
	E37-39	8.220821e-09	1.116784e-08	2.963198e-07	4.050328e-06
	E37-39	1.385105e-08	1.925738e-08	5.611517e-07	7.659363e-06
	E37-39	2.371509e-08	3.232564e-08	1.814009e-06	2.474773e-05
	E37-39	2.537651e-08	3.511511e-08	1.531101e-06	2.079471e-05
	E37-39	2.271154e-05	2.742319e-05	1.491448e-05	6.966943e-05
	E37-39	5.368519e-08	7.824244e-08	1.400002e-06	1.871340e-05
	E37-39	2.394584e-05	2.872106e-05	1.429626e-05	1.678595e-06
	E37-39	3.295975e-05	2.306692e-08	1.859236e-05	1.127271e-06
	R_S	5.084397e-06	5.540123e-06	2.907241e-03	1.471922e-02
	R_S	1.818829e-05	1.087394e-05	4.192748e-03	8.399550e-02
	R_S	1.696377e-05	1.850444e-05	3.103298e-04	1.415928e-03
	T	1.475243e-09	1.377496e-10	1.188463e-06	2.240542e-06
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
KR	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.996185e-06	2.849791e-06	5.010177e-05	1.110736e-05
	A01	4.722147e-05	1.163974e-04	4.385506e-04	5.190874e-03
	A01	0.000000e+00	1.662582e-06	3.210949e-05	4.234840e-04
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	5.509244e-10	1.720583e-03	4.839902e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	2.764247e-04	1.821294e-02
	A01	0.000000e+00	0.000000e+00	6.476690e-11	9.032967e-10
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0.000000e+00	0.000000e+00	1.188865e-07	1.629531e-09
A03	0.000000e+00	0.000000e+00	1.288962e-08	3.899115e-08
B_nongas	1.043731e-09	1.506147e-09	3.128084e-05	3.374337e-05
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	4.981901e-09
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	1.971657e-10	2.649749e-04
B_nongas	0.000000e+00	0.000000e+00	2.881654e-08	8.834873e-03
B_nongas	1.767766e-03	2.752413e-03	9.239765e-03	1.192024e-02
C10-12	0.000000e+00	5.758646e-11	1.150677e-07	8.911091e-05
C10-12	0.000000e+00	0.000000e+00	1.442827e-08	2.113143e-08
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	0.000000e+00	1.147156e-10	6.975103e-08	4.326162e-04
C10-12	4.951473e-10	6.885569e-10	2.161632e-04	1.195948e-03
C10-12	2.442258e-09	3.320901e-09	1.265194e-03	8.287424e-03
C10-12	0.000000e+00	1.342336e-09	9.458634e-04	7.154069e-03
C10-12	7.668050e-10	1.026676e-09	4.593896e-05	1.454472e-04
C10-12	8.417254e-03	1.439235e-02	1.937185e-01	3.813188e-01
C10-12	1.532669e-07	2.056382e-07	2.463984e-02	1.484502e-01
C10-12	3.334706e-08	4.446247e-08	3.480656e-06	3.634968e-02
C10-12	5.632148e-08	7.561406e-08	1.379378e-01	3.783190e-01
C13-15	2.029619e-01	2.599699e-01	1.115794e+00	1.185480e+00
C13-15	3.331324e-05	2.246308e-05	2.941142e-03	5.793718e-02
C13-15	1.341232e-07	1.470581e-06	2.410621e-03	1.444682e-02
C16	2.383957e-09	3.952653e-09	9.609508e-05	1.842578e-03
C16	9.835759e-10	1.630791e-09	3.964703e-05	7.602130e-04
C17	4.373056e-04	4.824271e-04	6.430061e-04	6.446824e-04
C17	4.293348e-03	4.736338e-03	6.312859e-03	6.329317e-03
C17	1.639868e-04	2.590464e-04	1.743074e-01	2.473744e+00
C18	2.643919e-05	1.603801e-05	1.075130e-01	3.051075e-01
C19	0.000000e+00	0.000000e+00	1.293433e-03	1.597708e-03
C19	2.866507e-01	3.510842e-01	1.157930e+00	2.322872e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	3.948513e-03
C20-21	9.812546e-01	1.045591e+00	1.000559e+00	1.101512e+00
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	2.421511e-05	4.321337e-05
C20-21	0.000000e+00	0.000000e+00	2.202877e-04	7.795569e-04

[illegible]

D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
F	3.245330e-09	4.312586e-09	6.075355e-05	4.112485e-04
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	9.677836e-04	1.116316e-03	2.665845e-03	1.672452e-02
G47	1.452882e-05	1.675858e-05	1.836493e-07	6.044387e-07
G46	2.066326e-03	1.819555e-03	4.210196e-03	9.617455e-03
G47	1.296813e-03	1.405499e-03	2.689260e-03	6.726998e-03
I	3.034560e-07	3.500281e-07	2.138776e-05	3.147913e-05
H49	1.426384e-06	1.624194e-06	4.163130e-05	1.017831e-04
H49	8.310102e-07	3.452684e-09	1.872288e-05	4.172754e-05
H49	9.063252e-06	1.032025e-05	1.272560e-07	7.797770e-08
H50	5.668569e-06	6.304279e-06	7.433319e-06	1.030057e-05
H50	1.545735e-07	1.760341e-07	1.804565e-06	3.750112e-05
H51	2.147789e-05	2.516020e-05	1.077232e-04	0.000000e+00
H52	1.618774e-07	1.843264e-07	2.432089e-06	2.356529e-05
H53	1.462518e-09	2.147511e-09	3.045902e-04	7.978049e-04
K64	1.103405e-09	1.475715e-09	6.447318e-04	1.530572e-04
K65	0.000000e+00	0.000000e+00	2.653727e-10	6.742716e-10
K66	2.035884e-08	2.709717e-08	4.029420e-03	2.588026e-03
L68	4.070733e-09	5.985577e-09	1.560916e-06	4.716973e-04
M_N	2.836058e-11	4.308899e-11	1.178263e-09	6.540038e-09
J62_63	8.455142e-10	1.260837e-09	6.844804e-05	3.505464e-04
M_N	1.381093e-08	2.399553e-08	2.343076e-03	9.074104e-04
M_N	7.165430e-08	1.048962e-07	5.067617e-06	1.627942e-01
O84	0.000000e+00	0.000000e+00	1.447164e-10	2.672935e-11
P85	5.297750e-12	8.886955e-12	1.976552e-09	1.514593e-09
M_N	1.640867e-11	2.583003e-11	1.355243e-09	4.722993e-09
E37-39	6.656184e-09	1.264348e-08	4.329300e-08	1.379591e-07
E37-39	7.508627e-09	1.370935e-08	4.179212e-08	1.278593e-07
E37-39	2.328314e-05	1.826854e-08	6.147448e-05	7.534418e-08
E37-39	3.266973e-08	5.919605e-08	7.434618e-08	2.262587e-07
E37-39	8.093714e-09	1.441764e-08	4.640510e-08	1.376669e-07
E37-39	1.107760e-08	1.994967e-08	5.733393e-08	1.804431e-07
E37-39	4.495196e-08	8.717760e-08	9.255677e-08	3.663754e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	1.934364e-08	2.617521e-08	7.275504e-09	9.341690e-08
E37-39	2.963619e-08	4.105183e-08	1.213080e-08	1.314532e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

	R_S	2.461402e-11	3.647564e-11	1.683362e-05	2.423999e-05
	R_S	6.572789e-11	9.824217e-11	3.350442e-08	5.196332e-04
	R_S	1.194615e-10	1.768453e-10	2.528950e-08	4.558140e-08
	T	0.000000e+00	0.000000e+00	2.574091e-06	4.866461e-06
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
BR	A01	1.998925e-04	2.405110e-04	2.524616e-03	4.159354e-02
	A01	5.435242e-06	6.539129e-06	6.869800e-05	1.132429e-03
	A01	3.984084e-01	5.685032e-01	9.982055e+00	2.580404e+00
	A01	1.641810e-03	3.755928e-03	1.601810e-02	2.031009e-01
	A01	7.438723e-04	1.013158e-02	1.877880e-01	2.507657e+00
	A01	7.225050e-04	8.988035e-04	9.729534e-03	1.408676e-01
	A01	3.415504e-04	4.199952e-04	4.496329e-03	6.810982e-02
	A01	2.016246e-03	2.505111e-03	1.954047e-01	5.207958e+00
	A01	2.584611e-02	3.717731e-02	6.961050e-01	1.164131e+01
	A01	6.439847e-03	9.223610e-03	1.687662e-01	8.528368e-02
	A01	1.077757e-02	1.543641e-02	2.824486e-01	1.469643e-01
	A01	3.258822e-04	4.667517e-04	8.550045e-03	4.961142e-03
	A01	6.581588e-03	9.426620e-03	1.724808e-01	8.716176e-02
	A01	1.825859e-02	2.615126e-02	4.884329e-01	2.824139e-01
	A01	4.386232e-05	6.282275e-05	1.149480e-03	5.808741e-04
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	7.775863e-04	9.649399e-04	1.045041e-02	1.525738e-01
	A03	5.021148e-03	7.191646e-03	1.315870e-01	6.649567e-02
	B_nongas	2.688561e-07	6.733660e-07	2.196287e-04	1.030432e-02
	B_nongas	4.536531e-12	6.670482e-12	1.739525e-09	5.256717e-07
	B_gas	4.190836e-13	6.162175e-13	1.606969e-10	4.856142e-08
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	6.260935e-08	1.568088e-07	5.113088e-05	2.399579e-03
	B_nongas	1.152369e-11	1.564425e-11	1.597558e+00	9.075922e+01
	B_nongas	1.670686e-06	4.184331e-06	1.364784e-03	6.403159e-02
	B_nongas	7.859553e-07	1.968471e-06	6.420473e-04	3.012294e-02
	B_nongas	1.737712e-07	4.352202e-07	1.419538e-04	6.660048e-03
	B_nongas	1.362494e-06	3.412446e-06	1.113022e-03	5.221967e-02
	B_nongas	5.705295e-07	1.428925e-06	4.660659e-04	2.186646e-02
	B_nongas	8.761774e-07	2.194438e-06	7.157498e-04	3.371991e-02
	B_nongas	2.635539e-06	6.600863e-06	2.351385e-03	1.301663e-01
	B_nongas	2.363198e-06	5.918769e-06	2.350374e-03	1.190964e-01
	B_nongas	5.242578e-02	8.162800e-02	2.749130e-01	3.957075e-01
	C10-12	2.973055e-05	3.217165e-05	2.605768e-03	7.116651e-01
	C10-12	4.187529e-05	4.469729e-05	2.407860e-03	1.057040e-04
	C10-12	4.195220e-05	4.521673e-05	1.070977e+00	3.722018e+00
	C10-12	1.146441e-05	1.226847e-05	6.761428e-04	1.017598e-01
	C10-12	2.611613e-05	2.795331e-05	7.129831e-02	3.862620e-01
	C10-12	3.222301e-05	3.440926e-05	6.535510e-03	3.076737e-02
	C10-12	1.272868e-05	1.359582e-05	1.168230e-03	3.316834e-03
	C10-12	4.359787e-05	5.254254e-05	1.322297e+00	4.182642e+00
	C10-12	1.348596e-02	2.298693e-02	3.142687e-01	6.061146e-01

C10-12	2.115379e-05	2.259711e-05	4.815297e-03	2.174316e-02
C10-12	4.155147e-06	4.467589e-06	2.447020e-04	1.210804e-01
C10-12	4.227525e-09	5.675643e-09	1.035361e-02	2.839663e-02
C13-15	2.768373e-03	3.546096e-03	1.575811e-02	1.639383e-02
C13-15	8.106726e-06	7.692409e-06	4.212601e-04	7.824324e-03
C13-15	7.045664e-07	7.215921e-06	1.194745e-02	7.020898e-02
C16	2.826061e-06	3.167333e-06	5.040230e-03	9.643389e-02
C16	3.174042e-06	3.561841e-06	5.695745e-03	1.089768e-01
C17	1.950693e-01	2.151967e-01	2.868464e-01	2.878080e-01
C17	3.237666e-02	3.571731e-02	4.760974e-02	4.777315e-02
C17	6.091951e-05	9.596631e-05	6.373325e-02	9.041645e-01
C18	1.732860e-06	1.219685e-06	7.432536e-03	1.830919e-02
C19	1.010435e-06	1.080530e-06	6.252745e-05	6.788791e-06
C19	9.309279e-03	1.149064e-02	5.044598e-02	1.887725e-01
C24	4.139142e-07	4.426276e-07	2.561371e-05	2.497741e-05
C20-21	5.403089e-02	5.757346e-02	5.509386e-02	6.065262e-02
C20-21	6.170870e-03	6.575467e-03	6.292272e-03	6.927138e-03
C20-21	1.423678e-04	1.517321e-04	2.358597e-04	1.604466e-04
C20-21	4.219894e-03	4.497327e-03	6.201013e-03	4.764901e-03
C20-21	3.031940e-03	4.721473e-03	7.153184e-02	2.005993e-01
C22	7.151442e-05	1.261399e-04	1.537081e-02	1.639541e-01
C23	7.686290e-05	1.197343e-04	5.013382e-04	4.347857e-03
C23	1.520608e-05	2.368517e-05	9.916037e-05	7.184144e-04
C23	1.389104e-04	2.155052e-04	8.977193e-04	9.606337e-03
C23	5.134849e-07	7.992270e-07	4.086335e-05	4.316442e-06
C23	2.275522e-04	3.542947e-04	1.189674e-03	1.711307e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	4.242448e-04	6.599931e-04	2.612207e-03	2.737950e-03
C24	8.229275e-03	2.072035e-02	1.345972e-01	2.074670e-01
C24	1.646815e-03	4.146487e-03	2.693522e-02	4.151854e-02
C24	7.430794e-05	1.711033e-04	1.971473e-02	3.590931e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.406390e-04	5.534301e-04	3.659457e-03	1.212541e-02
C24	3.930816e-05	9.040289e-05	5.955492e-04	1.904160e-03
C24	7.554389e-05	1.850183e-04	4.956475e-03	1.152812e-02
C24	5.041095e-06	1.159441e-05	1.468578e-03	3.701635e-03
C24	1.271344e-04	2.952657e-04	7.246207e-03	2.903903e-02
C24	1.373216e-08	3.157203e-08	2.118527e-06	9.613604e-06
C24	1.830867e-06	4.210884e-06	2.640272e-05	1.737489e-04
C24	4.967510e-05	1.142489e-04	7.164281e-04	5.226507e-03
C24	7.308989e-05	1.696879e-04	1.067234e-03	1.696975e-03
C25_33	4.711239e-05	6.997863e-05	1.641813e-02	3.887911e-02
C25	1.452948e-04	2.225011e-04	3.634386e-02	1.938521e-01
C26	5.822953e-07	1.062017e-06	3.291049e-05	1.805516e-03
C27	1.163449e-03	2.203042e-03	1.778122e-02	1.049653e-01
C27	4.491636e-05	8.690676e-05	1.437280e-03	1.826382e-02
C28_32	1.216331e-05	1.513594e-05	7.347337e-04	4.935487e-02
C29	4.041558e-03	8.147682e-03	2.877481e-02	3.235768e-01

C30	1.212417e-02	1.944431e-02	6.022860e-02	1.691696e-01
C31	3.960432e-05	5.443332e-05	1.669542e-04	5.055643e-04
E37-39	9.070834e-07	1.439352e-06	6.638403e-06	2.001946e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.140560e-11	3.100007e-11	6.542501e-11	4.099343e-10
D35	4.418848e-09	5.010129e-09	1.141828e-08	9.057025e-08
D35	1.706527e-10	1.861020e-10	4.291111e-10	2.894086e-09
D35	4.106081e-09	4.420239e-09	1.004276e-08	6.894668e-08
D35	0.000000e+00	0.000000e+00	1.226751e-13	3.707151e-11
D35	1.829276e-09	2.074050e-09	4.726839e-09	3.749348e-08
D35	1.695671e-10	1.853034e-10	4.278506e-10	2.877649e-09
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.096370e-10	9.655617e-11	2.314940e-10	2.972732e-09
D35	2.207578e-09	2.375532e-09	5.429359e-09	3.727480e-08
D35	7.537145e-09	8.113816e-09	1.843455e-08	1.265589e-07
D35	2.486955e-10	2.437233e-10	5.205244e-10	4.076856e-09
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	1.689616e-08	1.818163e-08	4.155473e-08	2.852904e-07
F	9.017507e-08	1.198375e-07	1.687124e-03	1.142641e-02
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	9.987147e-04	1.144871e-03	2.618482e-03	3.542927e-02
G47	1.716612e-05	1.932540e-05	8.007631e-06	1.362493e-03
G46	1.902363e-03	1.749220e-03	4.617985e-03	7.586358e-02
G47	1.208629e-03	1.307849e-03	2.346078e-03	6.117602e-02
I	4.570215e-06	7.524337e-06	1.232820e-04	2.299422e-04
H49	2.451079e-06	2.761787e-06	5.953369e-05	1.520548e-04
H49	2.994523e-06	2.004344e-06	3.432440e-05	1.011607e-04
H49	1.315523e-05	1.497594e-05	1.641072e-06	7.763331e-06
H50	9.334057e-06	1.035197e-05	1.320853e-05	2.551628e-05
H50	2.786855e-07	3.145480e-07	2.838898e-06	5.714684e-05
H51	3.262564e-05	3.816846e-05	1.622693e-04	6.467606e-06
H52	2.759925e-06	2.986828e-06	1.515757e-05	9.626296e-05
H53	4.108451e-07	4.459303e-07	1.945022e-03	5.096790e-03
K64	1.579614e-09	2.113649e-09	9.184069e-04	2.189348e-04
K65	3.594866e-12	5.285865e-12	1.752770e-09	4.175071e-07
K66	1.450131e-08	1.930117e-08	2.869753e-03	1.843394e-03
L68	5.983048e-07	6.598255e-07	4.655946e-06	2.658010e-04
M_N	5.306531e-07	6.109954e-07	3.950072e-06	1.602560e-05
J62_63	1.177171e-09	1.755295e-09	9.487078e-05	4.864693e-04
M_N	6.917639e-07	7.953332e-07	1.301151e-02	5.049231e-03
M_N	2.882593e-07	3.627495e-07	8.778140e-06	2.239013e-01
O84	1.749349e-05	2.726248e-05	1.316819e-03	1.372454e-02
P85	5.662991e-10	5.675192e-10	2.109138e-05	2.874558e-04
M_N	1.454958e-06	1.443030e-06	2.525558e-06	1.845157e-05
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	8.353543e-08	1.389567e-07	7.215583e-08	3.821575e-07
	E37-39	1.787409e-07	2.389368e-07	4.420611e-07	6.696775e-07
	E37-39	4.807008e-08	5.918402e-08	6.194110e-08	4.856445e-07
	E37-39	6.470374e-08	8.236242e-08	7.441320e-08	5.777872e-07
	E37-39	8.813893e-08	1.035308e-07	1.522559e-07	1.049664e-06
	E37-39	5.758234e-08	7.207308e-08	8.084231e-08	5.051115e-07
	E37-39	3.035852e-05	3.665395e-05	1.942572e-05	8.593690e-05
	E37-39	9.238960e-08	1.269936e-07	1.094806e-07	5.703021e-07
	E37-39	3.547078e-05	4.254321e-05	2.101743e-05	2.335468e-07
	E37-39	6.780192e-05	5.791325e-08	3.810354e-05	2.729518e-07
	R_S	2.066602e-07	2.383913e-07	2.362042e-05	3.525892e-05
	R_S	5.151549e-11	7.699918e-11	2.625973e-08	4.072725e-04
	R_S	1.641145e-10	2.429475e-10	3.474235e-08	6.261907e-08
	T	0.000000e+00	0.000000e+00	3.674537e-06	6.946914e-06
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
IN	A01	4.045172e-04	6.669153e-04	3.984844e-02	7.787172e-01
	A01	2.477745e-03	3.682652e-03	5.477666e-02	9.978514e-01
	A01	1.097563e-02	1.571132e-02	2.935096e-01	5.484548e-01
	A01	7.709110e-02	1.900238e-01	7.197584e-01	8.581371e+00
	A01	0.000000e+00	9.049377e-03	1.747708e-01	2.305008e+00
	A01	1.737018e-04	2.627959e-04	4.891975e-03	1.043798e-02
	A01	0.000000e+00	4.778661e-10	1.492416e-03	4.198081e-02
	A01	3.757362e-04	1.010205e-03	3.676270e-01	1.002358e+01
	A01	0.000000e+00	0.000000e+00	0.000000e+00	2.806012e-02
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	1.961132e-09	1.425699e-08
	A01	0.000000e+00	0.000000e+00	6.361595e-03	4.191497e-01
	A01	0.000000e+00	0.000000e+00	1.750737e-07	2.441733e-06
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	3.930864e-04	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0.000000e+00	0.000000e+00	1.739179e-04	2.383825e-06
	A03	0.000000e+00	0.000000e+00	6.947495e-07	2.101620e-06
	B_nongas	9.347749e-03	1.947676e-02	7.130764e-02	8.741658e-02
	B_nongas	0.000000e+00	0.000000e+00	4.336909e-10	5.639728e-10
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

B_nongas	0.000000e+00	0.000000e+00	4.811327e-04	2.733373e-02
B_nongas	0.000000e+00	0.000000e+00	5.681906e-09	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	9.463302e-09
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	8.608288e-03
B_nongas	0.000000e+00	0.000000e+00	4.502540e-07	6.051055e-01
B_nongas	0.000000e+00	0.000000e+00	1.587963e-08	4.868543e-03
B_nongas	2.012160e-01	3.132933e-01	1.051716e+00	1.356821e+00
C10-12	8.223871e-04	8.785609e-04	1.520630e-03	3.806934e-01
C10-12	1.700409e-06	1.816044e-06	2.166921e-06	3.294982e-06
C10-12	3.329597e-04	3.557250e-04	2.436356e-03	7.666549e-03
C10-12	4.115138e-05	4.399820e-05	9.963223e-05	2.978799e-01
C10-12	2.562242e-03	3.589523e-03	7.722853e-02	5.045402e-01
C10-12	1.380888e-02	1.475123e-02	7.787685e-02	4.226210e-01
C10-12	3.278467e-03	3.504204e-03	5.264589e-01	3.956779e+00
C10-12	1.094758e-04	1.752117e-04	2.015206e-01	6.557394e-01
C10-12	7.548604e-02	1.243819e-01	1.578318e+00	3.102129e+00
C10-12	3.556138e-02	3.806292e-02	2.319480e-01	1.210462e+00
C10-12	5.851366e-03	6.252049e-03	7.473891e-03	9.756478e-01
C10-12	1.561704e-04	2.317184e-04	1.405135e-01	3.939340e-01
C13-15	9.855878e-01	1.261939e+00	5.430039e+00	6.123950e+00
C13-15	1.549192e-03	1.134090e-03	1.245099e-01	2.392846e+00
C13-15	5.682243e-03	7.302681e-03	1.110600e-01	5.823398e-01
C16	6.007769e-04	7.239944e-04	6.349129e-03	9.813323e-02
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	6.826333e-03	7.530670e-03	1.068411e-02	1.220976e-02
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	3.666535e-03	4.130628e-03	5.158772e-01	6.343165e+00
C18	1.605560e-03	1.682172e-03	8.831600e-01	3.177602e+00
C19	1.258604e-02	1.549924e-02	3.699601e-02	7.397934e-02
C19	7.284682e+00	9.031994e+00	2.097648e+01	4.471655e+01
C24	4.167024e-09	5.931445e-09	4.238594e-08	4.660940e-04
C20-21	4.926895e-01	5.249930e-01	5.023843e-01	5.531072e-01
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	4.465571e-05	5.181194e-05	1.995834e-04	1.496715e-03
C20-21	8.464324e-04	9.972959e-04	3.250946e-03	2.511715e-02
C20-21	1.215275e-01	1.574215e-01	5.749194e-01	1.647107e+00
C22	5.751348e-02	6.730790e-02	4.704819e-01	3.656339e+00
C23	4.261935e-03	5.844356e-03	1.554534e-02	4.434659e-01
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.240291e-04	1.418866e-04	1.122358e-03	4.987718e-01
C23	4.079322e-07	5.641187e-07	3.058258e-04	1.391477e-04
C23	4.148313e-05	6.695376e-05	1.430378e-04	3.613640e-02
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.100467e-02	1.513757e-02	4.018152e-02	1.586596e-01
C24	4.693391e-02	1.178771e-01	8.491028e-01	1.645384e+00

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	H49	1.727556e-06	7.177656e-09	3.892229e-05	8.674582e-05
	H49	1.957433e-05	2.228911e-05	2.748407e-07	1.684121e-07
	H50	1.289620e-05	1.434246e-05	1.691107e-05	2.343417e-05
	H50	3.477129e-07	3.959885e-07	4.059366e-06	8.435873e-05
	H51	4.941852e-05	5.789114e-05	2.478604e-04	0.000000e+00
	H52	3.398978e-07	3.870346e-07	5.106715e-06	4.948060e-05
	H53	5.243307e-08	7.699093e-08	1.091993e-02	2.860229e-02
	K64	2.319951e-09	3.102747e-09	1.355573e-03	3.218086e-04
	K65	0.000000e+00	0.000000e+00	5.500761e-10	1.397659e-09
	K66	2.817071e-07	3.749460e-07	5.575545e-02	3.581075e-02
	L68	5.662173e-08	8.325618e-08	2.171150e-05	6.561057e-03
	M_N	2.391843e-10	3.633991e-10	9.937103e-09	5.515664e-08
	J62_63	1.402614e-06	2.091588e-06	1.135477e-01	5.815174e-01
	M_N	1.919782e-05	3.335489e-05	3.256982e+00	1.261342e+00
	M_N	5.382168e-07	7.879070e-07	3.806438e-05	1.222795e+00
	O84	0.000000e+00	0.000000e+00	3.014162e-10	5.567204e-11
	P85	1.838412e-10	3.083929e-10	6.858983e-08	5.255903e-08
	M_N	1.101768e-09	1.734371e-09	9.099847e-08	3.171278e-07
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	5.126907e-11	7.597590e-11	3.506311e-05	5.049000e-05
	R_S	4.322536e-09	6.460808e-09	2.203388e-06	3.417321e-02
	R_S	1.514605e-09	2.242152e-09	3.206355e-07	5.779085e-07
	T	0.000000e+00	0.000000e+00	5.109400e-06	9.659604e-06
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
MX	A01	1.267076e-14	1.683765e-14	2.372004e-10	1.605640e-09
	A01	1.702960e-13	2.262994e-13	3.187993e-09	2.157993e-08
	A01	4.008153e-06	5.722113e-06	1.006591e-04	2.270531e-05
	A01	2.589468e-03	6.382847e-03	2.404870e-02	2.846505e-01
	A01	1.141508e-13	1.187990e-04	2.294370e-03	3.025986e-02

A01	4.389024e-13	5.832395e-13	8.216385e-09	5.561775e-08
A01	4.954627e-14	6.584001e-14	9.275210e-10	6.278507e-09
A01	7.478905e-13	2.775560e-09	8.665218e-03	2.437473e-01
A01	0.000000e+00	0.000000e+00	8.461601e-14	2.557034e-11
A01	0.000000e+00	0.000000e+00	3.340585e-14	1.009500e-11
A01	0.000000e+00	1.001342e-15	2.611294e-13	7.891140e-11
A01	0.000000e+00	0.000000e+00	2.284823e-14	6.904569e-12
A01	0.000000e+00	0.000000e+00	4.728122e-08	6.594259e-07
A01	0.000000e+00	0.000000e+00	7.151861e-14	2.161240e-11
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0.000000e+00	0.000000e+00	7.736636e-07	1.060430e-08
A03	6.886343e-08	7.675951e-08	1.670814e-07	1.717233e-06
B_nongas	0.000000e+00	0.000000e+00	1.420971e-15	4.294070e-13
B_nongas	0.000000e+00	0.000000e+00	9.534548e-07	1.239875e-06
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	1.613347e-14	4.875415e-12
B_nongas	1.380087e-13	1.884833e-13	1.924218e-09	1.709852e-08
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.329336e-13	1.815520e-13	1.853457e-09	1.646974e-08
B_nongas	0.000000e+00	0.000000e+00	5.210693e-12	4.630199e-11
B_nongas	0.000000e+00	0.000000e+00	1.518203e-12	7.303190e-04
B_nongas	0.000000e+00	0.000000e+00	1.103614e-09	1.483165e-03
B_nongas	0.000000e+00	0.000000e+00	9.530922e-09	2.922085e-03
B_nongas	1.324875e-04	2.062831e-04	6.924862e-04	8.933775e-04
C10-12	1.698559e-05	2.436102e-05	8.529787e-05	1.255784e-03
C10-12	1.433923e-05	2.169009e-05	1.587637e-04	1.577316e-03
C10-12	1.609425e-07	1.949126e-07	2.359163e-05	8.619423e-05
C10-12	3.572525e-07	4.793460e-07	4.012873e-05	1.409377e-04
C10-12	4.485819e-07	7.347240e-07	9.410523e-05	5.172005e-04
C10-12	7.054472e-06	1.044123e-05	1.311448e-04	1.093228e-03
C10-12	1.230199e-08	1.566421e-08	9.339480e-08	6.990130e-07
C10-12	9.301138e-07	1.512786e-06	3.373375e-04	1.082861e-03
C10-12	5.088211e-03	8.697411e-03	1.170457e-01	2.307842e-01
C10-12	3.998773e-05	6.756741e-05	7.326293e-02	4.389710e-01
C10-12	4.707597e-06	9.139550e-06	6.482372e-05	2.438857e-03
C10-12	2.382609e-06	3.823458e-06	7.508847e-05	2.470201e-04
C13-15	5.417912e-03	6.939961e-03	2.987875e-02	3.336864e-02
C13-15	1.165604e-04	1.782242e-04	1.967436e-03	2.977415e-02
C13-15	1.026389e-04	2.007378e-04	1.198609e-03	1.058745e-02
C16	6.313326e-06	7.991758e-06	1.816212e-04	9.698930e-04
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.629855e-07	2.266591e-07	1.041893e-06	4.593037e-06
C17	7.681842e-06	1.094161e-05	4.722493e-05	1.971085e-04

C17	2.431791e-04	3.149738e-04	4.457685e-03	4.783278e-02
C18	9.226210e-06	7.267453e-06	2.991705e-02	8.934438e-02
C19	2.080626e-07	2.198176e-07	2.324790e-07	3.238889e-07
C19	4.200674e-05	4.751877e-05	4.709292e-03	1.815790e-03
C24	2.444736e-06	2.605021e-06	2.492885e-06	4.017674e-05
C20-21	2.372368e-02	2.528101e-02	2.453641e-02	3.260377e-02
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	6.741986e-09	6.659288e-09	1.881229e-06	4.050002e-06
C20-21	2.661454e-07	3.822589e-07	8.394385e-05	5.620298e-04
C20-21	1.600771e-04	2.580886e-04	1.129322e-03	1.894228e-02
C22	1.625161e-04	2.797567e-04	1.763875e-02	2.007386e-01
C23	4.527166e-06	8.015098e-06	7.641374e-05	7.364191e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	3.406568e-06	5.892975e-06	4.504050e-05	2.531496e-03
C23	7.490332e-07	1.357410e-06	5.754960e-06	5.694808e-05
C23	1.374948e-06	2.279905e-06	2.432733e-05	2.256874e-04
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	8.372817e-06	1.265349e-05	4.675353e-05	1.482531e-04
C24	1.421294e-03	3.549723e-03	2.295191e-02	3.808378e-02
C24	1.057112e-03	2.639743e-03	1.706733e-02	2.833983e-02
C24	2.082214e-05	3.184880e-05	6.355154e-04	9.142269e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.815376e-07	3.296712e-07	2.212639e-06	3.026766e-05
C24	7.666949e-06	1.392339e-05	8.757083e-05	1.066929e-03
C24	1.179207e-05	2.141588e-05	2.950377e-02	7.635995e-02
C24	2.464111e-06	4.474133e-06	6.330268e-03	1.638020e-02
C24	3.731682e-05	6.722893e-05	2.225017e-03	1.172813e-02
C24	9.138788e-07	1.741977e-06	6.135325e-05	3.332640e-04
C24	1.086175e-06	1.971129e-06	1.049015e-05	1.528497e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.333644e-06	1.695443e-05	8.825715e-05	6.853761e-04
C25_33	1.682873e-04	3.123330e-04	2.358415e-02	6.757888e-02
C25	1.789774e-04	3.038417e-04	2.399279e-02	1.293576e-01
C26	2.042241e-04	3.898799e-04	4.716605e-03	1.779082e-01
C27	3.835161e-03	7.228910e-03	6.453684e-02	4.129715e-01
C27	5.701102e-04	1.063793e-03	5.662448e-02	9.667974e-01
C28_32	2.204095e-04	3.342804e-04	8.359816e-03	4.818693e-01
C29	1.372565e-02	2.810999e-02	1.066628e-01	1.290283e+00
C30	8.082051e-03	1.296678e-02	4.062048e-02	1.179222e-01
C31	2.570589e-04	4.560856e-04	6.863921e-03	9.748624e-02
E37-39	1.167360e-06	2.022526e-06	3.247538e-05	4.419898e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	1.619509e-13	4.894037e-11
D35	0.000000e+00	1.073292e-15	2.798925e-13	8.458147e-11
D35	0.000000e+00	0.000000e+00	7.435377e-15	2.246916e-12
D35	1.475100e-15	2.168976e-15	5.656245e-13	1.709276e-10

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	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	9.268114e-08	1.028155e-07	1.206155e-07	4.755113e-07
	E37-39	1.481245e-07	1.651408e-07	1.998459e-07	7.374801e-07
	E37-39	1.977459e-07	2.011508e-07	3.289201e-07	9.518166e-07
	E37-39	1.141441e-07	1.282400e-07	1.622366e-07	4.932150e-07
	E37-39	4.755820e-05	5.740941e-05	3.044772e-05	1.343310e-04
	E37-39	1.641051e-07	2.112623e-07	2.000570e-07	6.452661e-07
	E37-39	5.556140e-05	6.663507e-05	3.292899e-05	2.629101e-07
	E37-39	1.062067e-04	9.697594e-08	5.969542e-05	3.037894e-07
	R_S	1.670995e-08	1.929220e-08	3.647585e-05	5.258417e-05
	R_S	2.682278e-08	3.119590e-08	3.434690e-06	2.285784e-03
	R_S	1.206963e-06	1.302843e-06	2.904327e-06	1.108947e-05
	T	0.000000e+00	0.000000e+00	5.676096e-06	1.073097e-05
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
RU	A01	9.801456e-06	1.456725e-05	5.025635e-05	2.059696e-04
	A01	1.731808e+00	2.424817e+00	6.033366e+00	3.597150e+01
	A01	4.253825e-01	6.072934e-01	1.066011e+01	2.367271e+00
	A01	3.679092e-03	8.842889e-03	3.481843e-02	3.893631e-01
	A01	8.365184e-04	2.143562e-03	2.259872e-02	2.471558e-01
	A01	4.575406e-04	6.908845e-04	2.311289e-03	3.314600e-03
	A01	9.903352e-06	1.498673e-05	5.131956e-05	1.338774e-04
	A01	7.497012e-02	9.639891e-02	2.943949e-01	5.924520e-01
	A01	6.131003e-05	1.057873e-04	5.618015e-04	2.791284e-03
	A01	5.884625e-05	1.114218e-04	4.044195e-04	9.159873e-04
	A01	1.982406e-04	3.145554e-04	2.378955e-03	5.106503e-03
	A01	3.748474e-03	4.826557e-03	1.705275e-02	4.560304e-02
	A01	1.229885e-03	1.585210e-03	5.500180e-03	1.079405e-02
	A01	1.550754e-04	2.801609e-04	1.274109e-03	2.916728e-03
	A01	3.689493e-07	5.084998e-07	4.585467e-06	1.116552e-05
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	7.842857e-03	1.009228e-02	4.343867e-02	5.338656e-02
	A03	4.003815e-05	5.274208e-05	3.756474e-04	1.094311e-03
	B_nongas	2.424761e-01	5.190730e-01	9.004862e-01	1.804461e+00
	B_nongas	5.271375e-03	6.483194e-03	3.352480e-02	8.124762e-02
	B_gas	2.593350e-02	3.139128e-02	9.562604e-02	2.786465e-01
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	2.713762e-04	4.363028e-04	1.569867e-03	3.254272e-03
	B_nongas	5.507956e-05	8.839872e-05	9.818113e-02	5.560358e+00
	B_nongas	1.047925e-03	1.457917e-03	6.061290e-03	1.449330e-02
	B_nongas	7.595828e-07	1.216140e-06	4.565205e-06	9.633529e-06
	B_nongas	3.943290e-06	6.337428e-06	2.233205e-05	5.056397e-05
	B_nongas	3.588146e-03	6.102610e-03	2.074588e-02	4.070383e-02
	B_nongas	3.472125e-05	4.828272e-05	1.927016e-04	3.185139e-04
	B_nongas	6.597052e-06	9.335732e-06	1.899361e-04	6.833094e-04
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.101435e-04	1.357294e-04	1.652726e-03	6.577294e-03
	B_nongas	1.104924e+00	1.720336e+00	5.776504e+00	7.457005e+00

C10-12	4.410847e-07	6.397976e-07	6.151627e-06	9.273795e-05
C10-12	8.496135e-07	1.327387e-06	6.748194e-06	5.934162e-05
C10-12	5.026759e-06	8.071761e-06	1.644032e-03	5.870165e-03
C10-12	1.424628e-05	2.318819e-05	1.366395e-04	1.116331e-01
C10-12	1.779258e-04	2.683065e-04	1.693710e-01	9.314827e-01
C10-12	5.491237e-04	8.480181e-04	6.355545e-03	2.891857e-02
C10-12	4.144120e-06	6.239582e-06	1.127491e-03	8.211198e-03
C10-12	4.960399e-05	7.919528e-05	3.483550e-03	1.255998e-02
C10-12	2.568580e-02	4.384497e-02	5.855668e-01	1.163833e+00
C10-12	6.486476e-05	9.938579e-05	3.146476e-02	1.887453e-01
C10-12	5.263039e-04	7.764559e-04	7.237388e-03	3.195210e-02
C10-12	2.931861e-05	4.562628e-05	4.108815e-02	1.137040e-01
C13-15	5.965810e-03	7.684700e-03	3.424842e-02	4.198482e-02
C13-15	7.544286e-05	1.059031e-04	1.094999e-03	8.529212e-03
C13-15	1.218788e-04	1.750527e-04	1.491676e-03	5.097553e-03
C16	2.301012e-04	3.361328e-04	7.639950e-02	1.438900e+00
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	5.142514e-02	5.678638e-02	7.643944e-02	7.881671e-02
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	3.928636e-04	6.113365e-04	1.942395e-01	2.740233e+00
C18	5.790110e-04	3.876473e-04	2.193025e+00	6.223814e+00
C19	1.640522e-03	1.870365e-03	6.063459e-03	1.587425e-02
C19	5.636976e-01	6.837492e-01	1.856811e+00	4.694798e+00
C24	2.177013e-04	3.204556e-04	1.120331e-03	4.169233e-02
C20-21	2.170398e-02	2.339972e-02	2.579599e-02	3.448250e-02
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	7.845858e-05	1.044671e-04	3.567212e-04	7.990519e-04
C20-21	2.018331e-02	2.781701e-02	9.261177e-02	1.915634e-01
C20-21	9.513754e-03	1.300656e-02	4.011162e-02	9.199959e-02
C22	1.459202e-03	1.959410e-03	1.763866e-02	1.418703e-01
C23	9.221362e-05	1.159370e-04	1.564133e-03	1.741899e-02
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	6.266168e-05	7.880322e-05	1.044712e-03	5.516428e-03
C23	2.039309e-06	2.507678e-06	3.390040e-05	1.228783e-04
C23	2.670041e-04	3.405047e-04	4.469978e-03	1.812597e-02
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	9.043656e-05	1.206574e-04	1.226837e-03	4.337710e-03
C24	5.442060e-02	1.352609e-01	8.663807e-01	1.335974e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.620251e-04	1.545258e-03	1.336413e-02	1.598413e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.951300e-04	9.467812e-04	4.585288e-03	1.758331e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.574605e-05	8.888280e-05	1.108619e-01	2.844730e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.146519e-04	1.143901e-03	3.017118e-01	1.446741e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.732551e-04	5.907369e-04	3.402303e-03	5.530282e-02

C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.178451e-05	1.458111e-04	7.146321e-04	1.250752e-03
C25_33	3.989157e-03	6.331507e-03	7.962179e-02	2.184788e-01
C25	1.423018e-03	2.264115e-03	3.442545e-02	1.512762e-01
C26	1.293718e-05	2.393465e-05	7.170295e-04	6.102766e-02
C27	2.112876e-03	3.957307e-03	3.170139e-02	1.822549e-01
C27	3.116743e-05	4.669579e-05	2.074818e-02	3.928515e-01
C28_32	1.368278e-04	1.681179e-04	5.336788e-03	3.434264e-01
C29	2.028200e-03	4.077855e-03	1.509085e-02	1.693323e-01
C30	1.208158e-02	1.799890e-02	6.137525e-02	1.285829e-01
C31	4.148455e-04	5.649128e-04	3.190601e-03	1.039582e-02
E37-39	1.663693e-05	2.422632e-05	1.842098e-04	5.833213e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.100805e-04	4.963760e-04	2.146839e-03	1.588682e-02
D35	6.092809e-04	9.641498e-04	5.579745e-03	3.248249e-02
D35	1.314461e-04	2.083394e-04	9.944929e-04	8.551831e-03
D35	1.442266e-04	2.263147e-04	1.269785e-03	6.909954e-03
D35	2.021403e-09	3.213464e-09	1.418225e-08	2.991158e-07
D35	3.583726e-05	5.700233e-05	2.556082e-04	1.585450e-03
D35	1.954037e-06	3.049658e-06	1.440746e-05	1.270720e-04
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.814850e-07	6.069726e-07	2.442199e-06	1.530999e-05
D35	6.690747e-06	1.055732e-05	4.906713e-05	4.347758e-04
D35	1.468647e-04	2.343509e-04	1.089300e-03	1.066177e-02
D35	2.683361e-04	4.261037e-04	2.108109e-03	1.926608e-02
D35	2.823298e-04	4.368572e-04	1.932016e-03	1.063307e-02
D35	1.430555e-04	2.253483e-04	1.087343e-03	8.115371e-03
E36	1.355100e-06	1.765676e-06	9.362540e-05	4.411637e-04
F	4.322953e-04	5.054612e-04	6.167250e-02	3.288691e-01
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	3.742552e-03	4.356167e-03	1.335182e-02	8.159432e-02
G47	7.355177e-05	8.807487e-05	2.479088e-04	1.006906e-03
G46	4.394414e-02	5.462815e-02	3.727368e-01	1.249185e+00
G47	5.179977e-03	5.774634e-03	3.902082e-02	1.907392e-01
I	1.372631e-02	1.583513e-02	9.649646e-01	1.480532e+00
H49	3.013653e-03	3.709199e-03	7.851793e-02	3.309480e-01
H49	2.303517e-03	2.508442e-03	3.866586e-02	4.401174e-01
H49	4.160966e-04	5.125639e-04	8.993406e-04	1.038828e-02
H50	1.032286e-01	1.151058e-01	1.476206e-01	2.091927e-01
H50	2.730652e-04	3.316847e-04	1.098987e-03	2.975817e-03
H51	1.986051e+00	2.326717e+00	9.963976e+00	8.342820e-03
H52	1.181126e-03	1.544008e-03	5.665902e-02	1.117393e+00
H53	1.600736e-04	1.684831e-04	2.245654e-01	6.183051e-01
K64	1.140528e-06	1.525419e-06	6.663096e-01	1.581984e-01
K65	4.487041e-10	6.648574e-10	3.591126e-06	5.164768e-05
K66	3.562644e-06	4.741984e-06	7.050252e-01	4.528627e-01

	L68	1.706310e-05	2.160876e-05	2.351595e-04	2.808487e-03
	M_N	7.124162e-08	1.082393e-07	2.959790e-06	1.642854e-05
	J62_63	2.246043e-06	3.349316e-06	1.818269e-01	9.311996e-01
	M_N	9.979998e-04	1.335428e-03	2.944281e-02	6.321939e-02
	M_N	8.921069e-07	1.305974e-06	6.309260e-05	2.026812e+00
	O84	1.426579e-02	2.124863e-02	1.083899e-01	2.187388e-01
	P85	2.701769e-04	4.066060e-04	1.911007e-02	5.085397e-02
	M_N	6.378247e-04	7.695572e-04	9.107804e-03	2.205817e-02
	E37-39	6.908596e-07	8.581851e-07	5.127528e-06	1.120724e-04
	E37-39	5.868711e-07	7.356813e-07	4.390852e-06	1.174541e-04
	E37-39	2.263309e-05	1.253254e-07	6.022822e-05	1.856453e-06
	E37-39	7.866076e-07	1.096245e-06	5.424974e-06	1.218255e-05
	E37-39	1.333055e-07	1.722023e-07	9.628370e-07	2.481259e-05
	E37-39	1.623200e-07	2.256179e-07	1.129884e-06	3.789904e-05
	E37-39	1.898215e-07	2.687046e-07	1.246763e-06	3.356832e-06
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	7.434274e-06	1.109050e-05	5.324671e-05	1.149203e-04
	E37-39	1.175730e-05	1.931894e-05	1.030382e-04	2.163402e-04
	E37-39	7.634590e-04	1.182912e-03	5.799854e-03	1.468084e-02
	E37-39	3.476744e-04	5.429530e-04	2.706633e-03	7.567682e-03
	E37-39	2.626354e-03	3.198131e-03	2.394725e-03	9.769264e-03
	E37-39	3.152570e-04	4.591183e-04	2.481085e-03	6.789271e-03
	E37-39	1.373456e-03	1.674392e-03	1.361018e-03	1.402430e-03
	E37-39	3.060765e-03	1.575370e-04	2.396484e-03	1.583445e-03
	R_S	4.142071e-09	3.047686e-09	9.186338e-05	8.687086e-03
	R_S	9.490138e-05	1.178837e-04	3.277194e-02	3.935767e-01
	R_S	7.614661e-10	1.127239e-09	1.611992e-07	2.905429e-07
	T	0.000000e+00	0.000000e+00	6.571955e-07	1.242464e-06
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
AU	A01	3.968503e-07	1.008273e-06	4.895689e-06	8.487288e-05
	A01	1.772738e-01	2.483033e-01	6.181394e-01	3.696957e+00
	A01	2.319214e-02	3.318496e-02	5.812288e-01	1.423920e-01
	A01	3.231881e-02	7.966346e-02	3.002080e-01	3.557288e+00
	A01	2.899039e-10	4.770862e-03	9.215005e-02	1.215995e+00
	A01	7.116485e-10	6.905989e-10	2.462200e-05	1.869263e-03
	A01	1.188447e-09	1.004785e-09	4.822469e-05	4.128580e-03
	A01	5.230192e-10	1.310649e-08	3.929971e-02	1.106328e+00
	A01	1.048368e-04	2.663592e-04	1.285622e-03	7.184530e+00
	A01	1.614821e-07	4.102203e-07	2.834134e-06	8.459084e-05
	A01	5.601737e-07	1.422985e-06	9.986954e-06	3.393054e-04
	A01	1.977218e-06	5.022874e-06	6.401280e-02	4.216343e+00
	A01	8.906473e-10	2.981008e-09	1.106968e-07	1.195875e-04
	A01	7.335296e-05	1.863683e-04	8.995138e-04	1.489324e-02
	A01	1.921102e-06	4.880373e-06	4.690308e-03	9.057840e-04

A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	7.479028e-10	1.016346e-09	2.651401e-05	1.588846e-04
A03	1.998068e-10	2.892950e-10	1.070797e-05	1.487185e-04
B_nongas	3.686762e-02	7.895391e-02	1.360045e-01	2.810337e-01
B_nongas	7.144554e-09	9.988334e-09	2.317871e-04	4.147693e-03
B_gas	2.221357e-08	3.073943e-08	5.498630e-04	1.337525e-02
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	1.187333e-08	1.531676e-08	1.536817e-04	2.305883e-03
B_nongas	7.842003e-09	1.150229e-08	4.128484e-04	6.650208e-03
B_nongas	3.092789e-08	4.007586e-08	4.164369e-04	6.774191e-03
B_nongas	1.118043e-09	1.438332e-09	1.448727e-05	1.868590e-04
B_nongas	5.593062e-10	7.195322e-10	7.247323e-06	9.347706e-05
B_nongas	4.245600e-08	5.490690e-08	5.546189e-04	8.954111e-03
B_nongas	1.127797e-09	1.450880e-09	1.461365e-05	1.884891e-04
B_nongas	5.919417e-10	8.405758e-10	1.542433e-05	1.221980e-01
B_nongas	7.706659e-10	1.103889e-09	1.912133e-05	8.933144e-04
B_nongas	2.184337e-09	3.128468e-09	5.451387e-05	1.826975e-02
B_nongas	1.004465e-01	1.563952e-01	5.250309e-01	6.779934e-01
C10-12	4.722471e-06	4.228729e-06	1.599080e-04	1.087017e-01
C10-12	2.258988e-10	3.395361e-10	6.645715e-06	4.340326e-04
C10-12	1.141025e-09	1.548569e-09	6.767360e-04	2.652645e-03
C10-12	1.196690e-06	1.249150e-06	1.229705e-04	7.367617e-01
C10-12	2.457867e-09	3.420490e-09	1.063810e-03	5.925997e-03
C10-12	1.390657e-07	1.893862e-07	7.093843e-02	4.646170e-01
C10-12	2.601813e-06	2.358472e-06	1.829419e-02	1.383657e-01
C10-12	6.284065e-06	5.652992e-06	1.560269e-02	4.979118e-02
C10-12	1.636480e-02	2.798157e-02	3.766795e-01	7.427217e-01
C10-12	4.730528e-07	6.348886e-07	7.593953e-02	4.577036e-01
C10-12	2.878523e-09	3.914197e-09	3.852821e-05	2.823230e-03
C10-12	1.087467e-07	9.578177e-08	1.027047e-04	2.829048e-04
C13-15	1.150778e-02	1.474009e-02	6.334010e-02	6.772750e-02
C13-15	3.660447e-05	2.468252e-05	3.240355e-03	6.398601e-02
C13-15	1.111525e-07	7.225706e-07	1.100443e-03	6.625161e-03
C16	1.532200e-06	1.966648e-06	9.827373e-04	1.652043e-02
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.318046e-04	1.453658e-04	1.945069e-04	1.992180e-04
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	4.798127e-05	7.579492e-05	5.103339e-02	7.243264e-01
C18	1.384587e-05	9.859945e-06	5.195125e-02	1.682859e-01
C19	1.954882e-07	1.721437e-07	5.038316e-07	4.362273e-06
C19	3.965958e-04	4.937271e-04	1.422883e-03	3.463445e-03
C24	8.120396e-07	7.150706e-07	2.181684e-06	9.015461e-05
C20-21	1.130766e-02	1.204849e-02	1.153481e-02	1.273675e-02
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.035172e-08	9.115499e-09	2.236670e-08	1.381997e-07
C20-21	2.595327e-06	2.285397e-06	3.486944e-04	1.250460e-03
C20-21	3.889502e-04	6.458051e-04	1.553157e-03	4.917231e-03

C22	1.233639e-06	1.707835e-06	2.916008e-02	3.348026e-01
C23	3.546806e-08	1.300675e-07	9.776286e-06	4.923311e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	4.173815e-07	4.181263e-07	2.019874e-06	2.606113e-03
C23	3.680291e-10	5.425626e-10	6.753730e-06	2.941679e-05
C23	5.494108e-07	1.045988e-06	3.958443e-05	1.141907e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.426192e-05	3.758777e-05	1.071228e-04	1.427167e-04
C24	5.261713e-03	1.324673e-02	8.650230e-02	1.347124e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.358734e-06	1.563111e-06	9.167352e-03	1.773866e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.456157e-06	8.810314e-06	8.184603e-03	2.796434e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.108719e-07	8.431248e-07	7.802398e-02	2.005658e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.030227e-06	1.825961e-06	3.405306e-04	2.170160e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.518372e-06	2.321803e-06	2.755516e-05	7.377520e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.777892e-07	1.596015e-07	1.174398e-06	3.342559e-05
C25_33	2.973936e-05	2.019588e-05	2.236408e-02	5.573528e-02
C25	8.910613e-05	1.293545e-04	2.621685e-02	1.403739e-01
C26	2.161635e-06	5.151062e-06	2.794554e-04	2.457947e-02
C27	1.869976e-03	3.541008e-03	2.843533e-02	1.685495e-01
C27	5.876108e-08	8.689200e-08	8.209175e-03	1.571149e-01
C28_32	8.631878e-06	6.916353e-06	7.564124e-04	5.655321e-02
C29	4.152842e-03	8.527017e-03	2.940342e-02	3.648584e-01
C30	1.865572e-03	2.991939e-03	9.293252e-03	2.712356e-02
C31	2.394288e-05	2.732270e-05	4.645724e-05	4.703413e-04
E37-39	1.266653e-06	1.115387e-06	2.930096e-06	8.977310e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.559812e-08	2.146780e-08	5.635941e-04	3.583037e-03
D35	1.848342e-09	2.566406e-09	7.504849e-05	4.734617e-04
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	9.701752e-10	1.340183e-09	3.686153e-05	2.335466e-04
D35	1.791648e-10	2.474952e-10	6.807315e-06	4.312966e-05
D35	1.837776e-10	2.538672e-10	6.982576e-06	4.424008e-05
D35	2.088262e-10	2.884690e-10	7.934292e-06	5.026994e-05
D35	6.752471e-12	9.327747e-12	2.565582e-07	1.625497e-06
D35	1.887933e-13	2.513250e-13	3.472835e-09	3.087355e-08
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.212940e-11	4.438300e-11	1.220747e-06	7.734388e-06
D35	1.231610e-08	1.648213e-08	2.726690e-04	1.821700e-03
D35	5.306598e-08	7.097402e-08	1.149753e-03	8.020591e-03
D35	9.201534e-09	1.222816e-08	1.724771e-04	1.165928e-03
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

E36	3.193900e-09	4.255444e-09	6.020212e-05	5.196063e-04
F	1.455370e-04	9.897643e-05	4.889343e-02	3.570688e-01
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	6.688271e-03	8.133076e-03	3.926449e-02	2.571308e-01
G47	8.117873e-05	9.996030e-05	2.933345e-04	2.201208e-03
G46	1.488921e-02	1.630420e-02	1.195519e-01	9.085485e-01
G47	7.863308e-03	9.325781e-03	4.961545e-02	2.897056e-01
I	9.385377e-07	1.083488e-06	2.771980e-04	1.263252e-03
H49	5.219236e-06	5.934535e-06	2.283974e-04	1.400677e-03
H49	4.757162e-06	2.536420e-06	1.729265e-03	1.043879e-02
H49	2.768220e-05	3.152150e-05	5.182527e-06	2.478914e-05
H50	1.828585e-05	2.033667e-05	5.098085e-05	1.715174e-04
H50	5.042004e-07	5.742119e-07	8.072679e-06	1.335166e-04
H51	3.583304e-04	5.389066e-04	1.830858e-03	6.853448e-03
H52	5.303572e-07	6.133396e-07	2.156152e-03	1.137490e-02
H53	7.715262e-07	1.146493e-06	7.011992e-02	3.265375e-01
K64	1.102291e-08	1.565825e-08	2.696206e-03	7.109366e-03
K65	7.733991e-08	1.153101e-07	6.255600e-03	3.251282e-02
K66	8.119976e-08	1.156174e-07	1.044853e-02	2.603301e-02
L68	1.313433e-08	1.945136e-08	5.393541e-04	3.546708e-03
M_N	3.616869e-09	5.397708e-09	2.777922e-04	1.738360e-03
J62_63	6.161013e-06	9.175438e-06	4.976555e-01	2.551389e+00
M_N	2.555906e-08	4.419204e-08	4.258715e-03	1.984021e-03
M_N	4.526847e-07	6.644313e-07	5.179406e-03	9.102326e-01
O84	1.888247e-07	2.815905e-07	1.517661e-02	8.119741e-02
P85	4.436764e-08	6.617848e-08	3.481145e-03	2.128597e-02
M_N	2.297946e-08	3.428260e-08	1.828783e-03	1.023718e-02
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.376868e-10	3.444573e-10	1.070172e-05	1.954946e-04
E37-39	2.648826e-11	3.838696e-11	1.192619e-06	2.178586e-05
E37-39	6.403697e-08	1.004059e-07	3.089733e-07	1.184148e-05
E37-39	1.322826e-07	2.235595e-07	3.072002e-05	1.585297e-04
E37-39	1.514927e-07	2.026816e-07	3.324117e-06	1.576660e-05
E37-39	6.068760e-08	8.211321e-08	6.641461e-06	5.696321e-05
E37-39	9.676469e-08	1.338121e-07	8.187775e-05	7.401840e-04
E37-39	7.091993e-08	9.591105e-08	2.902716e-05	1.526924e-04
E37-39	7.574813e-08	1.042180e-07	3.964432e-06	7.173298e-05
E37-39	6.806737e-05	8.218809e-05	4.410039e-05	2.034671e-04
E37-39	1.632357e-07	2.375686e-07	2.771102e-06	4.864480e-05
E37-39	7.957442e-05	9.544286e-05	4.759941e-05	9.047702e-06
E37-39	1.151943e-04	8.033911e-08	6.490329e-05	3.792729e-06
R_S	7.002797e-10	1.043748e-09	1.021152e-04	3.565388e-04

CH	R_S	7.767629e-08	6.744270e-08	1.343072e-03	2.040276e-02
	R_S	2.041789e-09	3.040784e-09	1.323986e-04	7.187999e-04
	T	4.425018e-12	6.658471e-12	4.766232e-07	9.285444e-06
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.947932e-05	5.527447e-05	1.375497e-04	8.220542e-04
	A01	5.255118e-09	4.843472e-09	4.080886e-08	1.204863e-06
	A01	1.610188e-04	3.968381e-04	1.495337e-03	1.770490e-02
	A01	1.918672e-09	6.474595e-07	1.248461e-05	1.648942e-04
	A01	6.295896e-09	5.802723e-09	4.889107e-08	1.443487e-06
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	9.121846e-09	8.607099e-09	6.240272e-04	1.755363e-02
	A01	6.138215e-08	5.657393e-08	4.766655e-07	1.405930e-05
	A01	4.395972e-08	4.051625e-08	3.413711e-07	1.007883e-05
	A01	4.838044e-08	4.459069e-08	3.757004e-07	1.109239e-05
	A01	3.403753e-09	3.137127e-09	8.256634e-05	5.439131e-03
	A01	1.972535e-09	1.778087e-09	3.670694e-08	7.683155e-07
	A01	8.868075e-08	8.173418e-08	6.886544e-07	2.033221e-05
	A01	4.570010e-12	4.024240e-12	3.241877e-07	3.611149e-11
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0.000000e+00	0.000000e+00	2.034289e-06	2.788319e-08
	A03	0.000000e+00	0.000000e+00	2.101887e-08	6.358217e-08
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	7.790255e-09	1.174924e-08	4.564895e-08	9.996681e-07
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	3.864666e-08	5.001062e-08	5.227783e-07	4.196359e-04
	B_nongas	7.960185e-08	1.030086e-07	1.076829e-06	2.587569e-04
	B_nongas	1.475760e-01	2.297759e-01	7.713514e-01	9.951756e-01
	C10-12	1.710723e-08	1.664034e-08	1.800975e-07	5.202043e-05
	C10-12	3.916223e-08	3.809341e-08	4.122831e-07	1.190863e-04
	C10-12	3.090153e-08	3.005816e-08	3.253177e-07	9.396672e-05
	C10-12	4.470398e-08	4.360284e-08	5.271109e-07	4.923541e-04
	C10-12	2.176858e-07	2.122267e-07	4.382095e-04	3.068603e-03
	C10-12	9.392615e-07	1.086603e-06	5.287171e-03	4.652047e-02
	C10-12	9.155035e-09	8.910146e-09	9.616652e-08	2.775587e-05
	C10-12	2.965825e-07	3.199535e-07	5.131234e-03	1.687858e-02
	C10-12	2.802528e-02	4.791933e-02	6.450393e-01	1.285218e+00
	C10-12	1.290845e-06	1.333004e-06	3.363765e-02	2.050468e-01

C10-12	2.274050e-08	2.259252e-08	3.588737e-07	1.458530e-03
C10-12	1.236043e-06	1.226820e-06	1.598758e-01	4.418071e-01
C13-15	2.059165e-02	2.637178e-02	1.145345e-01	1.243751e-01
C13-15	5.299790e-05	5.866419e-05	3.384135e-03	5.499366e-02
C13-15	8.072727e-07	5.426696e-06	8.358110e-03	5.008778e-02
C16	2.413936e-06	2.521489e-06	1.717280e-03	3.277823e-02
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	7.348515e-04	8.106716e-04	1.080521e-03	1.085541e-03
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.290846e-05	2.030933e-05	1.358084e-02	1.927519e-01
C18	2.167076e-04	1.317433e-04	8.784628e-01	2.493289e+00
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	4.144517e-02	5.038039e-02	1.703817e-01	5.022990e-01
C24	3.806150e-08	5.481566e-08	2.081517e-06	4.480215e-03
C20-21	4.941644e-02	5.265666e-02	5.041813e-02	5.584304e-02
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.509586e-11	1.357653e-11	1.882931e-09	1.069061e-06
C20-21	9.217766e-08	1.357151e-07	3.464917e-05	1.509775e-04
C20-21	3.047825e-03	4.904508e-03	3.425403e-03	2.189709e-02
C22	2.862778e-06	3.087409e-06	3.158550e-02	3.588031e-01
C23	1.464731e-03	2.280766e-03	7.662949e-03	5.761313e-02
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	4.062637e-04	6.320700e-04	2.121151e-03	6.298018e-03
C23	1.159299e-04	1.804997e-04	6.074376e-04	7.828565e-04
C23	1.955340e-03	3.043827e-03	1.021866e-02	1.346293e-02
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.209606e-03	1.882680e-03	6.300486e-03	8.169877e-03
C24	8.526259e-04	2.146604e-03	1.394346e-02	2.152778e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.570105e-06	2.005324e-06	2.154178e-01	4.128106e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.981921e-07	2.274880e-07	6.150892e-05	1.644735e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.675097e-08	1.879903e-08	2.735019e-03	7.028480e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.952452e-08	9.132910e-08	6.611416e-04	3.200514e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.078491e-07	1.449565e-07	9.990482e-06	5.477771e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.188746e-08	6.695152e-08	5.456114e-06	2.669502e-05
C25_33	1.232729e-04	8.119080e-05	9.593388e-02	2.265773e-01
C25	3.121931e-04	4.322788e-04	7.171187e-02	3.810628e-01
C26	6.321224e-06	1.361432e-05	7.794858e-04	6.132448e-02
C27	1.131603e-02	2.142284e-02	1.732087e-01	1.034692e+00
C27	4.506043e-04	8.531461e-04	2.627758e-02	4.208122e-01
C28_32	5.829599e-04	4.688729e-04	4.804478e-02	3.739142e+00
C29	3.479607e-04	7.143796e-04	2.447928e-03	3.044485e-02
C30	3.423209e-03	5.489870e-03	1.702136e-02	4.781280e-02

C31	8.432446e-04	9.675509e-04	1.699785e-03	2.057370e-02
E37-39	2.365123e-07	1.513984e-07	1.012211e-06	2.108104e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.674890e-08	2.124454e-08	1.959622e-07	3.949925e-06
D35	6.531073e-07	8.284867e-07	7.648146e-06	1.541605e-04
D35	8.239886e-07	1.045255e-06	9.649235e-06	1.944956e-04
D35	5.224679e-10	6.811914e-10	6.997720e-09	1.120944e-07
D35	5.503113e-09	6.974468e-09	6.298133e-08	1.269503e-06
D35	5.588386e-08	7.089039e-08	6.544222e-07	1.319092e-05
D35	7.000460e-10	8.878725e-10	8.564682e-09	1.708656e-07
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	7.478732e-07	9.487002e-07	8.757893e-06	1.765292e-04
D35	1.785216e-06	2.264602e-06	2.090559e-05	4.213853e-04
D35	1.487559e-07	1.887014e-07	1.741991e-06	3.511258e-05
D35	5.404740e-09	8.906506e-09	1.039344e-07	1.601516e-06
E36	4.225719e-06	5.360454e-06	4.913751e-05	9.950974e-04
F	6.537212e-03	1.018384e-02	3.571718e-02	5.749063e-02
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.310337e-03	1.511282e-03	3.651124e-03	2.412720e-02
G47	1.667934e-05	1.922765e-05	3.384371e-06	1.034139e-04
G46	4.277109e-03	5.598666e-03	8.163878e-02	2.857358e-01
G47	3.373922e-03	4.852289e-03	7.278477e-02	2.609781e-01
I	1.503908e-05	2.090700e-05	4.153665e-04	3.920486e-03
H49	9.697423e-05	1.518380e-04	5.932209e-04	2.555436e-03
H49	2.250032e-04	3.527738e-04	1.166089e-03	5.544864e-03
H49	5.951107e-05	8.238587e-05	1.594020e-04	6.012871e-04
H50	1.142435e-04	1.722807e-04	4.979949e-04	2.275833e-03
H50	5.128113e-06	7.852004e-06	2.914807e-05	2.685770e-04
H51	1.995942e-04	2.855100e-04	9.958429e-04	3.176640e-03
H52	3.369210e-04	5.367858e-04	1.788560e-03	7.850727e-03
H53	4.940949e-06	4.948495e-06	4.403242e-02	1.844590e-01
K64	1.459261e-08	1.863517e-08	2.289149e-03	2.975877e-03
K65	4.932342e-09	6.117207e-09	1.178840e-04	1.157293e-03
K66	1.682494e-07	2.231004e-07	3.111597e-02	2.255508e-02
L68	8.370012e-07	8.272490e-07	1.583479e-05	3.214634e-03
M_N	1.251567e-05	1.962666e-05	1.332512e-03	3.264329e-03
J62_63	2.022207e-05	3.287817e-05	1.049251e+00	5.372953e+00
M_N	7.599378e-04	9.398137e-04	3.798985e-02	1.861637e-02
M_N	1.395046e-04	2.210062e-04	1.734089e-02	1.639548e+00
O84	5.536144e-05	4.057496e-05	2.870718e-03	3.601907e-03
P85	1.531145e-04	2.347613e-04	2.729957e-03	6.737530e-03
M_N	1.244359e-04	1.945708e-04	2.515883e-03	7.558746e-03
E37-39	1.313279e-06	2.195379e-06	2.434456e-05	4.897523e-04
E37-39	1.016741e-06	1.699760e-06	1.877967e-05	3.772015e-04

	E37-39	5.050115e-05	2.009066e-07	1.348838e-04	3.654575e-05
	E37-39	2.672582e-07	4.544350e-07	4.028380e-06	7.912146e-05
	E37-39	2.288620e-07	3.839190e-07	4.048337e-06	8.014332e-05
	E37-39	2.752503e-07	4.624557e-07	4.824280e-06	9.548025e-05
	E37-39	3.513612e-07	6.112378e-07	5.030196e-06	9.857317e-05
	E37-39	1.252369e-07	2.090634e-07	2.333136e-06	4.714167e-05
	E37-39	1.679250e-08	2.803244e-08	3.132622e-07	6.323565e-06
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	6.774376e-07	1.133359e-06	1.057949e-05	2.116186e-04
	E37-39	3.890953e-07	5.602382e-07	2.896488e-06	4.605475e-05
	E37-39	2.292728e-07	3.714777e-07	3.621383e-06	7.306850e-05
	E37-39	4.274143e-07	6.979517e-07	6.965558e-06	1.405258e-04
	E37-39	8.431859e-08	1.490473e-07	1.730954e-06	3.384919e-05
	E37-39	3.573421e-08	7.186775e-08	9.015915e-07	1.656170e-05
	E37-39	3.935897e-05	4.754506e-05	2.580639e-05	1.237799e-04
	E37-39	3.566227e-08	7.454123e-08	8.706261e-07	1.529379e-05
	E37-39	1.241106e-08	2.380898e-08	2.913560e-07	5.461794e-06
	E37-39	1.489138e-08	2.917750e-08	3.612281e-07	6.707853e-06
	R_S	3.290314e-07	4.620172e-07	2.720989e-04	1.008633e-03
	R_S	1.135585e-06	1.594551e-06	7.802475e-04	4.792744e-03
	R_S	9.948732e-05	1.271390e-04	5.434005e-04	9.429140e-04
	T	1.895391e-05	2.422197e-05	1.035087e-04	1.796080e-04
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
TR	A01	1.784467e-04	2.533837e-04	2.474274e-03	5.505272e-03
	A01	9.475196e-03	1.331557e-02	5.849192e-02	2.208827e-01
	A01	8.287858e-03	1.174822e-02	1.904794e-01	7.673312e-02
	A01	7.942904e-02	1.861936e-01	9.244438e-01	8.002426e+00
	A01	1.703749e-03	3.898348e-03	5.273229e-02	4.202417e-01
	A01	1.038455e-03	1.511849e-03	1.557601e-02	3.389687e-02
	A01	1.961414e-03	2.841329e-03	2.893737e-02	6.324967e-02
	A01	2.476552e-03	3.728712e-03	7.468766e-02	1.036167e+00
	A01	3.834826e-03	5.829393e-03	6.513264e-02	1.814321e-01
	A01	1.287261e-07	2.071623e-07	1.557798e-07	5.171577e-07
	A01	1.132519e-02	1.670764e-02	1.788884e-01	3.949928e-01
	A01	3.122957e-03	4.690892e-03	5.133638e-02	1.124683e-01
	A01	3.932718e-04	5.584226e-04	5.454613e-03	1.215594e-02
	A01	5.080413e-03	7.423877e-03	7.695978e-02	1.670071e-01
	A01	6.154590e-05	8.739154e-05	8.578499e-04	1.898757e-03
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	9.029473e-07	1.041523e-06	1.773884e-04	9.523180e-05
	A03	3.794403e-07	6.065124e-07	4.496216e-06	1.320684e-05
	B_nongas	2.089934e-03	4.327526e-03	1.333624e-02	1.630576e-02
	B_nongas	4.118416e-07	6.168122e-07	1.486808e-05	2.556718e-05
	B_gas	1.407513e-07	2.108006e-07	1.161506e-06	3.608514e-06
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.719370e-07	3.984771e-07	2.625327e-02	1.491309e+00

B_nongas	8.187630e-07	1.897558e-06	1.537166e-05	5.307002e-05
B_nongas	1.425244e-09	3.314289e-09	2.226666e-04	2.844641e-04
B_nongas	2.340524e-08	5.424354e-08	4.282467e-07	1.487739e-06
B_nongas	6.150686e-07	1.425479e-06	1.154742e-05	3.986730e-05
B_nongas	1.028618e-07	2.381501e-07	8.764872e-04	2.254536e-03
B_nongas	3.679793e-07	8.528271e-07	6.908770e-06	4.585120e-04
B_nongas	1.288891e-05	3.049233e-05	4.344220e-04	7.433645e-01
B_nongas	7.431499e-06	1.654207e-05	2.286276e-04	1.835884e-01
B_nongas	6.348839e-02	9.885214e-02	3.318729e-01	4.283562e-01
C10-12	2.883324e-06	3.591443e-06	1.086233e-05	8.916766e-04
C10-12	4.758011e-11	4.983598e-11	6.393107e-09	9.432267e-09
C10-12	1.523467e-04	1.920272e-04	1.652178e-01	5.775239e-01
C10-12	8.436531e-07	1.066869e-06	1.406255e-05	6.987632e-02
C10-12	1.142209e-04	1.439889e-04	1.186587e-01	6.573143e-01
C10-12	1.080380e-03	1.279811e-03	1.135087e-01	7.262222e-01
C10-12	5.818952e-06	7.312267e-06	1.629222e-03	1.227170e-02
C10-12	5.497908e-05	6.948739e-05	3.224288e-02	1.025762e-01
C10-12	2.748621e-01	4.694151e-01	6.307691e+00	1.242682e+01
C10-12	3.625698e-05	4.536623e-05	2.889632e-01	1.741100e+00
C10-12	3.196132e-05	3.998637e-05	1.199358e-04	8.427686e-02
C10-12	5.161782e-07	5.736240e-07	4.665728e-01	1.279946e+00
C13-15	1.480999e+00	1.897893e+00	8.200895e+00	9.585318e+00
C13-15	2.072196e-02	2.553698e-02	2.442119e-01	2.841399e+00
C13-15	5.082609e-04	6.368634e-04	8.731195e-02	5.421249e-01
C16	3.022496e-03	6.080361e-03	6.502741e-02	6.281635e-01
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	4.442190e-02	4.900569e-02	6.542512e-02	6.593406e-02
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	3.959286e-03	4.786476e-03	8.734727e-01	1.219382e+01
C18	6.652435e-04	6.865449e-04	4.778627e-01	1.534788e+00
C19	3.547394e-05	3.633274e-05	5.811272e-05	1.342958e-04
C19	5.648122e-01	7.171447e-01	1.959103e+00	4.796674e+00
C24	3.129884e-07	3.393690e-07	4.833173e-07	1.148130e-03
C20-21	6.591053e-01	7.025019e-01	6.847485e-01	8.762879e-01
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	2.116527e-06	2.656849e-06	1.610282e-04	4.175932e-04
C20-21	2.838514e-04	3.605955e-04	4.663159e-03	2.169092e-02
C20-21	1.316745e-02	1.939013e-02	1.051636e-01	8.495685e-01
C22	1.009819e-02	1.618420e-02	7.839968e-01	8.252577e+00
C23	3.020359e-03	6.696842e-03	4.193349e-02	5.707890e-01
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	4.884457e-03	1.136506e-02	7.238061e-02	2.533936e-01
C23	5.004222e-05	6.423979e-05	4.873393e-04	4.229188e-04
C23	3.652622e-04	5.521696e-04	1.865053e-03	9.477848e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	5.134307e-03	1.110111e-02	6.556320e-02	1.197221e-01
C24	2.837379e-03	3.123532e-03	2.561834e-02	1.227199e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

C24	7.475980e-04	9.005085e-04	2.313803e-01	4.387113e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.612209e-04	7.856125e-04	3.446766e-03	4.344299e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.865791e-05	1.091797e-04	4.554519e-02	1.167976e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.526474e-04	6.567206e-04	4.743956e-02	2.268830e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.305508e-05	4.126458e-05	1.611407e-04	3.058384e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.475020e-04	2.937293e-04	9.062307e-04	3.156684e-03
C25_33	4.065194e-02	9.921923e-02	1.256339e+00	2.569050e+00
C25	1.348366e-02	3.160524e-02	4.778970e-01	1.677823e+00
C26	4.077396e-06	7.404674e-06	4.696779e-04	2.971315e-02
C27	4.107689e-02	7.771839e-02	6.363825e-01	3.705479e+00
C27	5.769558e-04	1.091103e-03	2.135955e-02	2.968728e-01
C28_32	1.324277e-04	1.822777e-04	5.799125e-03	3.197374e-01
C29	2.398282e-02	4.966966e-02	2.169712e-01	1.931634e+00
C30	1.043417e-02	1.726321e-02	5.881553e-02	1.583145e-01
C31	6.201859e-03	7.942869e-03	5.750432e-02	1.194808e-01
E37-39	9.855639e-05	1.246810e-04	3.264672e-04	1.095253e-03
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	8.242189e-04	1.561481e-03	1.250966e-02	7.328467e-02
D35	2.022000e-03	3.830524e-03	3.068815e-02	1.797925e-01
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	7.264112e-04	1.376021e-03	1.102415e-02	6.459720e-02
D35	1.682126e-06	3.189951e-06	2.554320e-05	1.493361e-04
D35	3.558437e-05	6.748146e-05	5.405054e-04	3.160250e-03
D35	8.596553e-07	1.630233e-06	1.306351e-05	8.210963e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	7.148365e-07	1.355602e-06	1.084668e-05	6.332787e-05
D35	5.398356e-06	1.023734e-05	8.198009e-05	4.793831e-04
D35	1.621104e-03	3.070836e-03	2.460231e-02	1.441579e-01
D35	4.323285e-03	8.189996e-03	6.561419e-02	3.844262e-01
D35	2.792723e-04	5.290905e-04	4.238743e-03	2.483070e-02
D35	1.700381e-05	3.224570e-05	2.580086e-04	1.510974e-03
E36	2.462345e-05	3.986774e-05	5.875787e-03	3.179484e-02
F	2.313099e-04	2.812332e-04	7.819092e-04	6.440238e-03
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	4.029451e-03	4.951428e-03	4.266774e-02	1.830363e-01
G47	7.252091e-05	9.329270e-05	2.667323e-03	9.150432e-03
G46	5.596375e-03	5.085019e-03	1.191900e-02	4.015945e-02
G47	5.162356e-03	5.620673e-03	2.074756e-02	9.261339e-02
I	7.029835e-03	8.113156e-03	4.933243e-01	7.271545e-01
H49	6.070039e-06	9.526276e-06	1.109176e-04	4.822110e-04
H49	6.574077e-06	9.665153e-06	7.392427e-05	5.129126e-04

	H49	2.101815e-05	2.485320e-05	7.670130e-06	9.269612e-05
	H50	1.517852e-05	1.830043e-05	4.791094e-05	2.595146e-04
	H50	5.070259e-07	6.665884e-07	6.143052e-06	1.006385e-04
	H51	3.313052e-01	3.882453e-01	1.661658e+00	4.485540e-03
	H52	6.531730e-05	8.030723e-05	3.930523e-04	9.639232e-04
	H53	7.350570e-07	1.081129e-06	1.430832e-01	3.906116e-01
	K64	5.824584e-05	1.194064e-04	2.876350e-03	1.839206e-02
	K65	3.591273e-07	7.206627e-07	1.933175e-05	1.276211e-04
	K66	4.336956e-07	8.006464e-07	1.629829e-02	1.081793e-02
	L68	2.202418e-07	3.298994e-07	1.074892e-05	2.359626e-03
	M_N	1.752757e-05	3.599202e-05	1.248165e-04	1.678695e-03
	J62_63	9.553812e-07	1.348202e-06	5.690681e-02	2.915248e-01
	M_N	7.944237e-09	1.380256e-08	1.347770e-03	5.219551e-04
	M_N	7.288452e-05	9.056199e-05	2.120795e-04	2.061711e-01
	O84	1.367249e-08	9.925198e-09	2.179557e-04	7.213602e-04
	P85	7.740856e-05	1.037262e-04	2.510482e-04	3.001733e-03
	M_N	1.268594e-05	2.217139e-05	5.312239e-03	1.933890e-02
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	5.878490e-08	1.065155e-07	1.337762e-07	4.071228e-07
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	9.583044e-08	1.858488e-07	1.973163e-07	7.810542e-07
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.254368e-07	2.120618e-07	9.917284e-08	5.029881e-07
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	4.221859e-08	5.712888e-08	1.587920e-08	2.038876e-07
	E37-39	6.467629e-08	8.958912e-08	2.647355e-08	2.868759e-07
	E37-39	4.937143e-08	6.673429e-08	2.129194e-08	1.530551e-07
	E37-39	5.292536e-08	7.281282e-08	3.522859e-08	1.634959e-07
	E37-39	4.760599e-05	5.748195e-05	3.040762e-05	1.343397e-04
	E37-39	1.141238e-07	1.660927e-07	9.621058e-08	3.758027e-07
	E37-39	5.565270e-05	6.675075e-05	3.295183e-05	1.495869e-07
	E37-39	1.064018e-04	7.420112e-08	5.976678e-05	1.679899e-07
	R_S	1.514412e-08	9.222192e-09	8.936863e-05	2.145418e-04
	R_S	1.228093e-05	2.305947e-05	4.425116e-04	2.961076e-02
	R_S	5.708668e-07	1.010693e-06	1.240945e-05	6.721386e-05
	T	0.000000e+00	0.000000e+00	5.698682e-06	1.077367e-05
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
TW	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.333369e-05	1.903542e-05	3.346590e-04	7.419252e-05
	A01	3.269342e-03	8.058685e-03	3.036271e-02	3.593861e-01
	A01	0.000000e+00	2.756692e-03	5.324005e-02	7.021697e-01
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	6.542079e-09	2.043146e-02	5.747254e-01
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	1.328294e-05	8.751803e-04
A01	0.000000e+00	0.000000e+00	4.534762e-09	6.324582e-08
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	3.608763e-05	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0.000000e+00	0.000000e+00	6.074764e-06	8.326439e-08
A03	0.000000e+00	0.000000e+00	1.064469e-08	3.220023e-08
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	3.446287e-03	1.957878e-01
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	8.644397e-10
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	2.979260e-05
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	1.502004e-07	4.605000e-02
B_nongas	1.776974e-02	2.766750e-02	9.287895e-02	1.198233e-01
C10-12	0.000000e+00	4.747332e-11	9.485994e-08	7.346156e-05
C10-12	0.000000e+00	0.000000e+00	2.951870e-09	4.323264e-09
C10-12	2.449076e-09	3.263730e-09	1.682227e-03	5.858910e-03
C10-12	0.000000e+00	4.664908e-10	2.836425e-07	1.759233e-03
C10-12	6.727562e-10	9.355417e-10	2.937008e-04	1.624933e-03
C10-12	1.176237e-10	1.599408e-10	6.093411e-05	3.991379e-04
C10-12	0.000000e+00	2.259175e-09	1.591904e-03	1.204042e-02
C10-12	6.010545e-09	8.047524e-09	3.600892e-04	1.140077e-03
C10-12	8.415417e-03	1.438921e-02	1.936762e-01	3.812356e-01
C10-12	5.548345e-08	7.444218e-08	8.919759e-03	5.373980e-02
C10-12	5.472424e-08	7.296519e-08	5.711935e-06	5.965169e-02
C10-12	4.077562e-09	5.474307e-09	9.986424e-03	2.738954e-02
C13-15	5.196526e-01	6.656130e-01	2.856818e+00	3.035239e+00
C13-15	5.147535e-04	3.470976e-04	4.544628e-02	8.952406e-01
C13-15	4.296364e-06	4.710708e-05	7.721935e-02	4.627747e-01
C16	3.608166e-07	5.982419e-07	1.454418e-02	2.788778e-01
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.780151e-03	3.067008e-03	4.087882e-03	4.098539e-03
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.794627e-04	2.834933e-04	1.907572e-01	2.707198e+00

C18	9.985966e-05	6.057484e-05	4.060717e-01	1.152377e+00
C19	7.328098e-04	5.048729e-04	1.266703e-03	4.485849e-03
C19	6.679655e-02	8.213868e-02	2.000784e-01	3.940409e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	2.723495e-04
C20-21	3.106373e-01	3.310044e-01	3.167486e-01	3.487073e-01
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	6.191316e-05	1.104879e-04
C20-21	0.000000e+00	0.000000e+00	4.920783e-04	1.741373e-03
C20-21	1.282729e-03	2.062015e-03	1.050130e-03	4.202530e-03
C22	1.257504e-05	1.740781e-05	2.969009e-01	3.407560e+00
C23	2.674702e-06	9.848891e-06	6.645879e-05	3.466850e-01
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.072110e-05	1.073980e-05	1.316750e-05	6.586488e-02
C23	3.107177e-08	4.576713e-08	3.921961e-04	4.309599e-06
C23	1.030161e-05	1.961959e-05	2.323108e-05	1.484221e-05
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.597735e-04	2.475292e-04	6.943678e-04	6.692676e-05
C24	2.289437e-02	5.764809e-02	3.739874e-01	5.756978e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.260540e-08	2.406631e-08	7.320763e-03	1.403410e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.893976e-07	8.348306e-07	1.071405e-03	3.662017e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.843994e-09	3.070606e-09	4.341217e-03	1.115103e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.664004e-08	1.694338e-07	8.020847e-03	3.882403e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.012765e-07	1.400028e-07	9.447809e-06	5.894846e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	5.197312e-04	3.415730e-04	4.043416e-01	9.429304e-01
C25	9.199736e-04	1.335516e-03	2.701889e-01	1.433921e+00
C26	5.822294e-05	1.387529e-04	6.794009e-03	6.514770e-01
C27	3.580261e-02	6.779621e-02	5.431981e-01	3.185109e+00
C27	2.830738e-06	4.185242e-06	3.988492e-01	7.667841e+00
C28_32	7.956511e-05	6.374684e-05	6.560995e-03	5.129870e-01
C29	1.415042e-02	2.905501e-02	9.952418e-02	1.235031e+00
C30	1.918302e-02	3.076506e-02	9.527148e-02	2.675540e-01
C31	5.913995e-04	6.748784e-04	4.772548e-04	1.504055e-03
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
F	2.087422e-07	2.773890e-07	3.907717e-03	2.645183e-02
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.426080e-03	1.644951e-03	3.928263e-03	2.464446e-02
G47	1.917756e-05	2.212077e-05	2.424111e-07	7.978391e-07
G46	1.973917e-03	1.738183e-03	4.021911e-03	9.187351e-03
G47	1.619774e-03	1.755526e-03	3.358998e-03	8.402300e-03
I	5.726705e-07	6.605596e-07	4.036216e-05	5.940620e-05
H49	2.691928e-06	3.065243e-06	7.856820e-05	1.920890e-04
H49	1.562339e-06	6.491212e-09	3.519991e-05	7.844977e-05
H49	1.711389e-05	1.948744e-05	2.402940e-07	1.472431e-07
H50	1.055733e-05	1.174130e-05	1.384406e-05	1.918412e-05
H50	3.158745e-07	3.597297e-07	3.687669e-06	7.663440e-05
H51	4.388316e-05	5.140676e-05	2.200976e-04	0.000000e+00
H52	3.057207e-07	3.481178e-07	4.593229e-06	4.450527e-05
H53	5.229441e-09	7.678732e-09	1.089105e-03	2.852665e-03
K64	2.108222e-09	2.819576e-09	1.231857e-03	2.924389e-04
K65	0.000000e+00	0.000000e+00	5.002496e-10	1.271058e-09
K66	5.214969e-08	6.941011e-08	1.032146e-02	6.629295e-03
L68	1.033364e-08	1.519452e-08	3.962418e-06	1.197414e-03
M_N	5.973027e-11	9.074980e-11	2.481542e-09	1.377399e-08
J62_63	2.984815e-07	4.450978e-07	2.416337e-02	1.237491e-01
M_N	1.651486e-07	2.869343e-07	2.801808e-02	1.085065e-02
M_N	4.305353e-08	6.302698e-08	3.044881e-06	9.781499e-02
O84	0.000000e+00	0.000000e+00	2.735772e-10	5.053015e-11
P85	1.017293e-11	1.706506e-11	3.795448e-09	2.908377e-09
M_N	6.832867e-11	1.075610e-10	5.643477e-09	1.966740e-08
E37-39	1.259095e-08	2.391661e-08	8.189376e-08	2.609658e-07
E37-39	1.420349e-08	2.593291e-08	7.905490e-08	2.418615e-07
E37-39	4.404472e-05	3.455861e-08	1.162913e-04	1.425286e-07
E37-39	6.182718e-08	1.120280e-07	1.406995e-07	4.281925e-07
E37-39	1.530848e-08	2.726959e-08	8.777079e-08	2.603838e-07
E37-39	2.095284e-08	3.773403e-08	1.084449e-07	3.413011e-07
E37-39	8.506054e-08	1.649622e-07	1.751409e-07	6.932754e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	2.437300e-09
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	5.175750e-08	8.115310e-08	1.226128e-07	2.193804e-07
E37-39	1.087737e-07	1.838913e-07	8.599862e-08	4.361706e-07
E37-39	2.422976e-07	3.241603e-07	5.992632e-07	8.945813e-07

	E37-39	3.660555e-08	4.953349e-08	1.376803e-08	1.767804e-07
	E37-39	5.607520e-08	7.767495e-08	2.295292e-08	2.487252e-07
	E37-39	4.280980e-08	5.786507e-08	1.846216e-08	1.327136e-07
	E37-39	4.590489e-08	6.315430e-08	3.055556e-08	1.418084e-07
	E37-39	4.129575e-05	4.986264e-05	2.637705e-05	1.165328e-04
	E37-39	9.900177e-08	1.440846e-07	8.346216e-08	3.260068e-07
	E37-39	4.827830e-05	5.790577e-05	2.858547e-05	1.297655e-07
	E37-39	9.230290e-05	6.436903e-08	5.184733e-05	1.457303e-07
	R_S	4.657460e-11	6.901915e-11	3.185255e-05	4.586687e-05
	R_S	1.597273e-09	2.387413e-09	8.142009e-07	1.262776e-02
	R_S	2.196257e-10	3.251238e-10	4.649384e-08	8.379978e-08
	T	0.000000e+00	0.000000e+00	4.933421e-06	9.326906e-06
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
NO	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	9.350825e-08	1.010272e-07	9.507278e-08	1.112613e-07
	A01	8.065221e-07	8.613715e-07	8.219010e-07	9.138919e-07
	A01	6.904605e-07	7.423257e-07	7.030743e-07	8.060578e-07
	A01	8.189333e-08	8.747212e-08	8.345143e-08	9.283321e-08
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.320761e-06	1.409671e-06	3.821982e-04	1.071461e-02
	A01	1.711029e-07	1.838587e-07	2.105865e-07	3.208908e-07
	A01	1.655563e-08	1.765710e-08	4.753374e-08	1.212190e-07
	A01	3.817423e-07	4.113031e-07	4.019004e-07	4.943708e-07
	A01	2.120205e-07	2.277732e-07	5.159125e-05	3.384903e-03
	A01	1.968662e-08	2.106477e-08	2.019358e-08	2.379532e-08
	A01	7.311381e-07	7.869971e-07	8.705716e-07	1.280241e-06
	A01	1.243629e-08	1.340139e-08	1.571385e-08	2.488471e-08
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	2.105281e-11	3.646026e-11	1.029319e-05	4.210702e-04
	A03	2.904428e-06	4.965307e-06	2.398863e-04	2.578712e-03
	B_nongas	3.308296e-06	6.221196e-06	5.788085e-05	6.363596e-04
	B_nongas	3.384914e-04	6.279858e-04	5.202739e-03	4.544503e-02
	B_gas	9.229218e-04	1.736558e-03	1.628787e-02	1.298618e+00
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	3.258293e-08	6.571325e-08	9.559654e-04	5.433596e-02
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	5.540555e-09	1.171924e-08	4.141732e-07	3.479686e-05
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.223141e-06	2.272960e-06	2.152567e-05	1.184112e-02
	B_nongas	7.836286e-07	1.331631e-06	1.387529e-05	6.439877e-02
	B_nongas	1.005783e-05	1.895696e-05	1.735659e-04	4.625589e-03
	B_nongas	2.515817e-04	3.921018e-04	1.329148e-03	1.866994e-03
	C10-12	6.708509e-07	9.140839e-07	8.822964e-06	9.452075e-05

C10-12	1.840974e-06	2.394013e-06	2.942994e-05	4.676208e-04
C10-12	2.026573e-06	3.009051e-06	3.223807e-05	4.126903e-04
C10-12	9.564670e-06	1.215347e-05	1.618915e-04	4.428853e-03
C10-12	2.309502e-06	3.957843e-06	4.034544e-05	4.435043e-04
C10-12	2.439952e-05	4.261058e-05	1.020505e-03	8.740806e-03
C10-12	6.782796e-10	1.034507e-09	2.331377e-08	1.414600e-07
C10-12	1.645882e-09	3.027663e-09	3.010577e-08	3.189513e-07
C10-12	6.551382e-04	1.118463e-03	1.492962e-02	3.239288e-02
C10-12	7.969909e-06	1.323918e-05	2.704807e-02	1.634764e-01
C10-12	4.208924e-05	7.506151e-05	7.174371e-04	3.126650e-01
C10-12	2.366196e-07	3.722045e-07	3.713766e-06	3.641357e-05
C13-15	1.969088e-03	2.522261e-03	1.095737e-02	1.259976e-02
C13-15	4.770544e-05	5.996843e-05	4.376099e-04	3.747403e-03
C13-15	7.133575e-08	1.193085e-07	8.127511e-05	4.884219e-04
C16	6.429746e-07	7.768896e-07	1.717959e-03	3.162098e-02
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.525256e-03	2.761577e-03	3.845794e-03	6.407129e-03
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	6.873078e-05	8.025986e-05	1.431752e-02	2.022580e-01
C18	3.555474e-05	4.562759e-05	1.014200e-02	3.079626e-02
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	9.536681e-02	1.181888e-01	2.910776e-01	6.009330e-01
C24	1.115126e-08	1.761433e-08	1.664426e-07	7.735220e-04
C20-21	2.302565e-02	2.456740e-02	2.417235e-02	3.154542e-02
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.287864e-07	2.176033e-07	1.456450e-04	7.275114e-03
C20-21	4.995168e-04	7.783330e-04	2.786509e-03	4.724918e-03
C20-21	9.390451e-05	1.534308e-04	4.453894e-04	3.914648e-03
C22	3.318480e-04	3.578271e-04	1.663887e-02	1.864253e-01
C23	1.520222e-05	2.426089e-05	2.150542e-04	5.828810e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.864023e-06	4.416395e-06	3.925965e-05	1.485831e-03
C23	5.373754e-07	7.982714e-07	6.600155e-06	7.978179e-05
C23	9.220597e-06	1.301025e-05	9.736486e-05	1.208882e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	4.698779e-05	7.499249e-05	4.848771e-04	4.584186e-03
C24	6.838785e-04	1.651394e-03	1.046250e-02	1.619935e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.197686e-05	1.335712e-05	9.594404e-05	1.408724e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.508175e-04	1.633159e-04	3.072274e-04	1.349791e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.454588e-05	1.576132e-05	3.001178e-03	7.708791e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.847170e-05	2.014935e-05	4.099790e-03	1.976223e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.460461e-05	6.976539e-05	1.289335e-04	3.952211e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

C24	1.236517e-05	1.339694e-05	2.375742e-05	6.059902e-05
C25_33	1.673285e-04	2.752119e-04	1.876215e-02	5.228147e-02
C25	2.763025e-03	5.159423e-03	8.508337e-02	4.973734e-01
C26	6.758081e-07	1.584846e-06	7.670047e-05	7.305520e-03
C27	1.813296e-03	3.432603e-03	2.762382e-02	1.621159e-01
C27	3.434653e-05	6.481833e-05	3.346104e-03	5.720875e-02
C28_32	6.398013e-05	9.020583e-05	1.816604e-03	1.108315e-01
C29	3.496983e-04	6.830357e-04	2.607806e-03	2.644613e-02
C30	4.969593e-03	8.106081e-03	3.052307e-02	1.094337e-01
C31	1.584064e-05	2.341827e-05	4.434151e-04	1.477173e-03
E37-39	2.945570e-08	2.605696e-08	6.021983e-08	1.924538e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	4.639835e-08	1.093344e-07	5.213736e-06	4.972183e-04
D35	4.487709e-08	8.115385e-08	8.376113e-07	1.161020e-05
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	4.583573e-06	8.564391e-06	9.302413e-05	1.393053e-03
D35	1.030075e-07	1.884991e-07	1.594823e-06	1.096488e-05
D35	1.369500e-09	2.487813e-09	2.522298e-08	3.143496e-07
D35	3.212800e-08	5.363659e-08	4.233618e-07	3.400936e-06
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.698481e-08	3.443138e-08	9.530556e-07	7.695259e-05
D35	8.766161e-07	1.597697e-06	1.394127e-05	1.355127e-04
D35	8.799954e-06	1.659921e-05	1.462402e-04	1.314101e-03
D35	1.360591e-07	2.460994e-07	2.565840e-06	3.595840e-05
D35	7.362703e-07	1.342009e-06	1.433528e-05	3.697241e-04
E36	1.469621e-09	1.294188e-09	5.707552e-09	2.696498e-08
F	8.722584e-05	1.637868e-04	2.216004e-03	1.278062e-02
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	2.062936e-05	2.379699e-05	6.251891e-05	3.865500e-04
G47	3.946925e-06	4.552225e-06	1.488857e-06	7.744212e-06
G46	4.477798e-04	8.056820e-04	7.256920e-03	7.444663e-02
G47	9.448395e-05	1.555022e-04	1.217290e-03	1.208807e-02
I	1.005143e-06	1.161107e-06	7.220825e-05	1.138320e-04
H49	6.634691e-06	8.776479e-06	1.720192e-04	7.272673e-04
H49	1.487389e-05	1.959883e-05	2.086898e-04	1.613819e-03
H49	4.092882e-05	5.039669e-05	1.043854e-04	1.186780e-03
H50	2.164386e-05	2.412282e-05	3.020008e-05	2.447284e-03
H50	1.196036e-07	1.362135e-07	1.393589e-06	2.925560e-05
H51	1.247845e-04	1.771014e-04	1.170683e-03	8.776657e-03
H52	1.366658e-05	1.576095e-05	4.951903e-05	5.403298e-04
H53	3.529984e-07	5.008683e-07	2.649231e-03	7.259297e-03
K64	3.786893e-09	5.064890e-09	2.211994e-03	5.251204e-04
K65	5.827257e-10	7.757830e-10	1.265965e-04	7.441661e-05
K66	4.017163e-08	5.346756e-08	7.950766e-03	5.106637e-03
L68	3.777946e-08	4.275791e-08	5.934292e-06	9.314751e-04

	M_N	5.460650e-08	5.923487e-08	5.701940e-06	2.998652e-05
	J62_63	8.144785e-08	9.786312e-08	6.226789e-04	3.189826e-03
	M_N	7.417232e-08	8.193956e-08	4.021667e-04	1.583473e-04
	M_N	3.417981e-07	4.965403e-07	9.674311e-05	6.628195e-02
	084	2.470102e-11	3.623339e-11	7.750881e-09	5.431457e-05
	P85	1.640707e-11	2.748959e-11	7.869567e-09	1.673566e-08
	M_N	7.076620e-05	9.994321e-05	1.055855e-03	4.586889e-03
	E37-39	2.438953e-08	4.479362e-08	1.581879e-07	5.269593e-07
	E37-39	2.689411e-08	4.807514e-08	1.502981e-07	4.743019e-07
	E37-39	7.991168e-05	6.280485e-08	2.109912e-04	2.616335e-07
	E37-39	1.161414e-07	2.070372e-07	2.753456e-07	8.819438e-07
	E37-39	2.800382e-08	4.968691e-08	1.606778e-07	4.798209e-07
	E37-39	3.831077e-08	6.873696e-08	1.985111e-07	6.282031e-07
	E37-39	1.553510e-07	3.001650e-07	3.238213e-07	1.294064e-06
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.985062e-07	3.345237e-07	1.632029e-07	8.264852e-07
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	6.671115e-08	9.008875e-08	2.745818e-08	3.332275e-07
	E37-39	1.022514e-07	1.413164e-07	4.574071e-08	4.721596e-07
	E37-39	7.814158e-08	1.053579e-07	3.704897e-08	2.588772e-07
	E37-39	8.360180e-08	1.148187e-07	5.789153e-08	2.698301e-07
	E37-39	7.491574e-05	9.045716e-05	4.785150e-05	2.114063e-04
	E37-39	1.810750e-07	2.626777e-07	1.603781e-07	6.367242e-07
	E37-39	8.743046e-05	1.048655e-04	5.176783e-05	2.376051e-07
	E37-39	1.671817e-04	1.166820e-07	9.390797e-05	2.670973e-07
	R_S	8.448469e-11	1.251983e-10	5.777940e-05	8.320088e-05
	R_S	4.696152e-08	6.204540e-08	9.263464e-06	1.162067e-03
	R_S	1.100254e-08	1.208080e-08	1.319828e-07	5.757031e-07
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
ID	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.196750e-06	4.563740e-06	8.023446e-05	1.778765e-05
	A01	1.070250e-02	2.638087e-02	9.939520e-02	1.176484e+00
	A01	0.000000e+00	2.354216e-05	4.546703e-04	5.996532e-03
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	2.419137e-08	7.555169e-02	2.125226e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	2.848614e-04	1.876881e-02
	A01	0.000000e+00	0.000000e+00	2.486947e-10	3.468517e-09
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	0.000000e+00	0.000000e+00	4.388933e-05	6.015737e-07
A03	0.000000e+00	0.000000e+00	1.586818e-07	4.800131e-07
B_nongas	9.949202e-03	2.091915e-02	4.954508e-02	7.163890e-02
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	2.150621e-04
B_nongas	0.000000e+00	0.000000e+00	2.237355e-09	3.006826e-03
B_nongas	0.000000e+00	0.000000e+00	3.182526e-09	9.757320e-04
B_nongas	1.580575e-04	2.460955e-04	8.261352e-04	1.065798e-03
C10-12	0.000000e+00	1.945519e-12	3.887484e-09	3.010551e-06
C10-12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C10-12	4.297948e-12	5.727607e-12	2.952185e-06	1.028196e-05
C10-12	0.000000e+00	4.942982e-11	3.005504e-08	1.864101e-04
C10-12	5.373469e-07	7.472400e-07	2.345860e-01	1.297874e+00
C10-12	5.206315e-10	7.079375e-10	2.697093e-04	1.766682e-03
C10-12	0.000000e+00	2.320598e-10	1.635186e-04	1.236778e-03
C10-12	3.360842e-09	4.499835e-09	2.013466e-04	6.374831e-04
C10-12	2.494166e-02	4.264682e-02	5.740185e-01	1.129908e+00
C10-12	6.897128e-08	9.253881e-08	1.108812e-02	6.680375e-02
C10-12	2.362276e-07	3.149681e-07	2.465665e-05	2.574978e-01
C10-12	6.922257e-09	9.293435e-09	1.695341e-02	4.649774e-02
C13-15	1.964674e-01	2.516513e-01	1.080090e+00	1.147546e+00
C13-15	1.769395e-04	1.193101e-04	1.562154e-02	3.077267e-01
C13-15	1.803613e-06	1.977555e-05	3.241668e-02	1.942728e-01
C16	4.023727e-07	6.671429e-07	1.621927e-02	3.109968e-01
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	3.274669e-01	3.612551e-01	4.815012e-01	4.827565e-01
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	3.695133e-04	5.837122e-04	3.927688e-01	5.574115e+00
C18	7.971946e-05	4.835780e-05	3.241731e-01	9.199600e-01
C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C19	3.965691e-05	5.056119e-05	1.173303e-03	7.978074e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.451872e-02	1.547065e-02	1.480435e-02	1.629805e-02
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	0.000000e+00	0.000000e+00	1.113007e-04	1.986230e-04
C20-21	0.000000e+00	0.000000e+00	4.607345e-06	1.630453e-05
C20-21	1.174603e-03	2.186536e-03	1.835746e-02	8.680488e-03
C22	3.614437e-06	5.003515e-06	8.533805e-02	9.794327e-01

C23	1.416605e-07	5.216278e-07	3.519864e-06	1.836152e-02
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.660279e-06	1.663176e-06	2.039131e-06	1.019990e-02
C23	5.472529e-10	8.060754e-10	6.907571e-06	7.590299e-08
C23	8.801231e-07	1.676209e-06	1.984759e-06	1.268052e-06
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	8.270753e-06	1.281347e-05	3.594428e-05	3.464496e-06
C24	3.667070e-03	9.233692e-03	5.990285e-02	9.221149e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.813345e-10	5.371258e-10	1.633890e-04	3.132210e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.524462e-07	2.600478e-07	3.337401e-04	1.140710e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.816731e-09	3.025207e-09	4.277032e-03	1.098616e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.279124e-11	1.276210e-10	6.041465e-06	2.924305e-05
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.518404e-09	2.099014e-09	1.416478e-07	8.837941e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C25_33	2.683113e-05	1.763372e-05	2.087414e-02	4.867880e-02
C25	6.341687e-05	9.206161e-05	1.862503e-02	9.884499e-02
C26	8.384421e-06	1.998117e-05	9.783743e-04	9.381624e-02
C27	3.332817e-03	6.311059e-03	5.056558e-02	2.964976e-01
C27	8.392966e-08	1.240899e-07	1.182564e-02	2.273468e-01
C28_32	4.601359e-06	3.686567e-06	3.794314e-04	2.966674e-02
C29	2.084474e-02	4.280044e-02	1.466074e-01	1.819304e+00
C30	1.140606e-02	1.829264e-02	5.664762e-02	1.590854e-01
C31	1.762597e-04	2.011396e-04	1.422402e-04	4.482660e-04
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

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	R_S	1.529621e-10	2.264381e-10	3.238144e-08	5.836381e-08
	T	0.000000e+00	0.000000e+00	3.275675e-06	6.192845e-06
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
ZA	A01	8.892469e-13	1.181684e-12	1.664697e-08	1.126854e-07
	A01	4.798317e-12	6.376288e-12	8.982594e-08	6.080431e-07
	A01	2.535853e-03	3.620231e-03	6.364698e-02	1.411164e-02
	A01	2.568371e-02	6.330843e-02	2.385276e-01	2.823313e+00
	A01	1.390051e-12	1.788934e-05	3.455232e-04	4.556852e-03
	A01	3.428308e-12	4.555739e-12	6.417896e-08	4.344355e-07
	A01	1.068162e-13	1.419437e-13	1.999631e-09	1.353576e-08
	A01	2.917159e-12	5.338599e-09	1.666084e-02	4.686587e-01
	A01	0.000000e+00	0.000000e+00	0.000000e+00	8.886682e-03
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	3.205361e-03	2.111933e-01
	A01	0.000000e+00	0.000000e+00	1.177893e-10	1.642794e-09
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	4.376749e-04	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0.000000e+00	0.000000e+00	5.819214e-05	7.976167e-07
	A03	0.000000e+00	0.000000e+00	5.678565e-09	1.717768e-08
	B_nongas	6.634701e-01	1.422733e+00	2.434800e+00	4.905235e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_gas	1.081386e-09	1.404871e-09	1.551874e-04	8.035148e-03
	B_gas	3.677926e-09	4.793187e-09	5.552913e-05	7.707637e-04
	B_nongas	2.999647e-11	3.451230e-11	2.400853e-08	2.296543e-07
	B_nongas	2.460381e-10	2.942369e-10	2.766256e-02	1.571542e+00
	B_nongas	9.646958e-11	1.215119e-10	1.159299e-06	1.114458e-05
	B_nongas	5.626383e-11	6.431087e-11	1.702200e-08	1.628897e-07
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.172214e-02	1.825138e-02	6.135248e-02	7.987812e-02
	B_nongas	5.957601e-11	6.805053e-11	1.496320e-08	1.432082e-07
	B_nongas	9.915775e-02	1.543887e-01	5.183208e-01	7.945418e-01
	B_nongas	3.165276e-10	4.079016e-10	5.167984e-05	4.027870e-03
	B_nongas	8.210747e-10	1.058100e-09	1.340850e-04	1.536693e-02
	B_nongas	4.369787e-01	6.803760e-01	2.284327e+00	2.963439e+00
	C10-12	2.003777e-04	3.426422e-04	4.671444e-03	4.537950e-02
	C10-12	9.445587e-06	1.615070e-05	2.181016e-04	4.653114e-04
	C10-12	1.374799e-04	2.350712e-04	5.185778e-03	1.369413e-02
	C10-12	1.208078e-05	2.066171e-05	2.830196e-04	1.995287e-02
	C10-12	3.787012e-04	8.921635e-04	4.105677e-03	4.104244e-02
	C10-12	1.851526e-05	3.165780e-05	9.509452e-04	4.148451e-03
	C10-12	5.010121e-14	7.340043e-11	5.168065e-05	3.908791e-04
	C10-12	5.059593e-04	6.867370e-04	6.069376e-03	1.233027e-02
	C10-12	8.547071e-03	1.505145e-02	1.905532e-01	4.566969e-01
	C10-12	1.798732e-04	3.003816e-04	1.084386e-01	6.377921e-01
	C10-12	8.890083e-09	1.216028e-08	1.290951e-04	7.969389e-03

C10-12	2.174776e-05	3.613910e-05	2.458638e-02	6.709816e-02
C13-15	4.642971e-03	5.946683e-03	2.580245e-02	3.030506e-02
C13-15	2.465493e-04	3.120739e-04	1.921643e-03	1.298435e-02
C13-15	3.332051e-05	4.287390e-05	7.775636e-04	9.614240e-03
C16	2.822970e-04	3.091261e-04	7.590821e-04	4.774066e-03
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.446283e-02	2.698692e-02	3.596969e-02	3.606348e-02
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	7.501484e-06	9.540457e-06	1.061176e-02	8.123808e-02
C18	8.109953e-04	8.990806e-04	3.993706e-02	1.214841e-01
C19	2.118533e-03	1.473525e-03	3.659426e-03	1.298780e-02
C19	6.052424e-03	7.177628e-03	1.696804e-02	4.410613e-02
C24	2.441656e-05	2.610674e-05	4.049078e-05	3.394520e-03
C20-21	1.311697e-02	1.410424e-02	1.538229e-02	2.225811e-02
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.047156e-05	1.136578e-05	1.018861e-04	3.371356e-04
C20-21	1.382848e-04	1.503822e-04	3.578712e-04	2.725535e-03
C20-21	1.188087e-03	1.586122e-03	5.454642e-03	1.399433e-02
C22	5.622487e-04	6.318138e-04	9.958065e-03	1.037573e-01
C23	3.486721e-08	1.215843e-07	7.112461e-05	4.941392e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.461546e-06	2.211212e-06	2.666404e-05	1.080746e-03
C23	5.946008e-09	9.451058e-09	1.352088e-06	3.503946e-07
C23	3.769339e-07	6.649164e-07	2.487401e-06	1.332260e-05
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.251197e-04	1.382663e-04	8.135740e-04	8.832332e-03
C24	1.534617e-03	3.827527e-03	3.130903e-02	1.045588e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.337847e-04	2.555729e-04	8.759433e-02	1.651303e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.403613e-05	2.230716e-05	2.040199e-04	2.797784e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.890532e-06	6.182640e-06	1.941796e-02	4.986024e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.118558e-06	1.292107e-05	1.057677e-02	5.099090e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.496425e-06	1.508960e-05	8.826544e-05	4.774216e-04
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.075603e-05	5.100972e-05	4.271409e-04	8.055228e-04
C25_33	2.109405e-04	3.415986e-04	2.409667e-02	7.784414e-02
C25	1.338842e-04	2.286703e-04	1.448169e-02	9.805575e-02
C26	6.201553e-06	1.163788e-05	4.715409e-04	2.706299e-02
C27	7.492291e-04	1.419838e-03	1.328293e-02	1.111344e-01
C27	4.937965e-06	8.715857e-06	8.519661e-03	1.640594e-01
C28_32	8.092245e-06	6.932212e-06	7.183717e-04	5.006475e-02
C29	3.483963e-03	6.541128e-03	2.621959e-02	2.567406e-01
C30	3.016825e-04	4.899290e-04	1.724984e-03	6.993270e-03
C31	9.598210e-04	1.251752e-03	7.575132e-03	2.071276e-02

E37-39	1.132563e-08	1.679978e-08	1.219144e-03	1.693491e-02
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.583816e-13	5.276052e-13	1.329253e-10	4.000699e-08
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.371071e-14	2.018475e-14	5.085362e-12	1.530560e-09
D35	1.054357e-15	1.552212e-15	3.910655e-13	1.177004e-10
D35	0.000000e+00	0.000000e+00	1.290069e-14	3.898495e-12
D35	1.448090e-15	2.131861e-15	5.371029e-13	1.616538e-10
D35	2.246597e-14	3.303490e-14	8.606826e-12	2.600642e-09
D35	0.000000e+00	0.000000e+00	1.057451e-14	3.195538e-12
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	4.597351e-14	6.768165e-14	1.705177e-11	5.132132e-09
D35	1.175408e-13	1.730422e-13	4.359641e-11	1.312137e-08
D35	1.141062e-13	1.679858e-13	4.232248e-11	1.273795e-08
D35	2.425400e-14	3.679456e-14	1.393330e-12	1.360444e-10
E36	2.127280e-13	3.227193e-13	1.222068e-11	1.193224e-09
F	1.550573e-08	2.060681e-08	2.900872e-04	1.963636e-03
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	4.990468e-04	5.756435e-04	1.378380e-03	8.649561e-03
G47	7.481365e-06	8.629893e-06	1.962741e-07	9.783890e-07
G46	8.910039e-04	7.846146e-04	2.658366e-03	1.165967e-02
G47	5.540224e-04	6.004595e-04	1.289900e-03	4.773819e-03
I	5.807577e-07	6.699373e-07	4.095062e-05	6.078506e-05
H49	6.503636e-05	1.308570e-04	5.189693e-04	5.612370e-03
H49	1.481081e-04	3.007794e-04	1.066877e-03	1.286648e-02
H49	4.365140e-05	7.368644e-05	1.847387e-04	2.286827e-03
H50	8.496260e-06	9.449085e-06	1.114133e-05	1.543917e-05
H50	1.224914e-07	1.394978e-07	1.430023e-06	2.971770e-05
H51	6.644816e-05	8.790480e-05	3.321305e-04	3.247168e-04
H52	5.054215e-06	5.766123e-06	2.445997e-05	1.046666e-04
H53	2.376566e-08	3.489669e-08	4.949300e-03	1.296370e-02
K64	2.152445e-09	2.885986e-09	1.225794e-03	2.973255e-04
K65	5.635372e-11	8.286210e-11	2.214453e-08	6.531364e-06
K66	9.163594e-09	1.219654e-08	1.813658e-03	1.164881e-03
L68	9.087242e-09	1.338486e-08	4.682685e-04	4.359479e-03
M_N	1.409710e-09	2.071017e-09	7.640187e-05	8.544543e-04
J62_63	1.584749e-07	2.362479e-07	1.278102e-02	6.545658e-02
M_N	8.642925e-08	1.500330e-07	1.460841e-02	5.920297e-03
M_N	6.249196e-08	9.106400e-08	4.780407e-06	1.315062e-01
O84	0.000000e+00	0.000000e+00	2.232191e-10	4.122892e-11
P85	7.348692e-10	1.011852e-09	1.530926e-07	9.709864e-07
M_N	1.218594e-09	1.678861e-09	2.706672e-07	1.901544e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	1.324235e-10	1.792071e-10	8.268535e-11	6.663153e-10
	E37-39	1.156801e-10	1.602577e-10	9.483250e-11	5.519228e-10
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	2.851040e-11	4.224771e-11	1.937322e-05	2.791782e-05
	R_S	6.527390e-11	9.754832e-11	3.318926e-08	5.110304e-04
	R_S	1.089249e-10	1.612448e-10	2.310929e-08	7.682305e-08
	T	7.868720e-04	1.223740e-03	6.764781e-03	1.485080e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WA	A01	2.456857e-02	3.658914e-02	2.261461e-01	1.438950e+00
	A01	1.102784e-01	1.551423e-01	4.550358e-01	2.844797e+00
	A01	2.739417e-01	3.930307e-01	6.629093e+00	2.144723e+00
	A01	2.114501e-01	5.074681e-01	2.080804e+00	2.274196e+01
	A01	1.528710e-02	3.802386e-02	3.777067e-01	3.824591e+00
	A01	1.594018e-02	2.458762e-02	1.153230e-01	2.356414e-01
	A01	2.078026e-03	3.406550e-03	3.265523e-02	1.286668e-01
	A01	1.455506e-02	2.189516e-02	6.020576e-01	1.376641e+01
	A01	2.388066e-03	3.496643e-03	4.208805e-02	3.948679e+00
	A01	1.416434e-02	2.125158e-02	1.240807e-01	5.439327e-01
	A01	5.963042e-03	8.966187e-03	9.358625e-02	2.853006e-01
	A01	1.527268e-03	1.900744e-03	4.314356e-02	1.192731e+00
	A01	1.603341e-03	1.530192e-03	2.820035e-02	1.272979e-01
	A01	3.433847e-03	5.028496e-03	6.145058e-02	5.170312e-01
	A01	3.023037e-05	5.099045e-05	2.618718e-03	9.707484e-03
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	7.574794e-03	1.173730e-02	5.327003e-02	1.375779e-01
	A03	1.116575e-03	1.636951e-03	5.301644e-02	2.535689e-01
	B_nongas	4.371079e-03	6.102910e-03	6.543360e-02	6.796433e-02
	B_nongas	4.072644e-02	5.421908e-02	1.547526e-01	2.956558e-01
	B_gas	1.042245e-01	1.368178e-01	3.892165e-01	7.663492e-01
	B_gas	4.932026e-04	7.489876e-04	2.446688e-03	3.436883e-03
	B_nongas	1.256984e-05	2.017799e-05	1.500380e-05	1.114415e-04
	B_nongas	1.717160e-06	2.741583e-06	5.282789e-05	6.178547e-04
	B_nongas	3.762987e-03	5.604551e-03	3.514772e-02	1.347228e-01

B_nongas	3.894461e-03	5.966533e-03	2.055876e-02	3.219967e-02
B_nongas	3.564194e-03	5.489158e-03	1.866618e-02	2.734003e-02
B_nongas	4.101765e-03	6.248441e-03	2.542089e-02	6.286156e-02
B_nongas	3.493912e-03	5.199144e-03	2.005395e-02	4.537744e-02
B_nongas	4.089864e-02	6.335092e-02	2.134226e-01	3.653275e-01
B_nongas	1.205758e-03	1.144145e-03	5.340547e-03	3.114983e-01
B_nongas	1.334199e-02	1.937046e-02	6.894423e-02	3.069464e-01
B_nongas	6.214922e-05	9.744568e-05	2.605178e-04	3.816050e-04
C10-12	7.755152e-04	1.184089e-03	1.312686e-02	1.120860e-01
C10-12	9.909174e-04	1.475795e-03	1.396607e-02	3.210219e-02
C10-12	3.885418e-04	5.274326e-04	1.970541e-02	6.955406e-02
C10-12	2.480716e-03	4.210010e-03	5.533649e-02	4.487642e-01
C10-12	7.146782e-04	1.217179e-03	4.948763e-02	2.191515e-01
C10-12	3.563957e-03	5.269344e-03	1.840789e-01	1.099813e+00
C10-12	5.694248e-04	9.457587e-04	6.683221e-02	4.390644e-01
C10-12	2.052831e-03	3.226064e-03	5.380027e-02	1.421897e-01
C10-12	9.421954e-02	1.601423e-01	2.163007e+00	4.663504e+00
C10-12	8.620209e-03	1.401947e-02	3.124293e-01	1.225071e+00
C10-12	6.339693e-03	8.326857e-03	2.646861e-02	1.965592e+00
C10-12	3.121662e-04	4.837552e-04	6.650081e-01	1.826094e+00
C13-15	5.319592e-01	6.815064e-01	2.923794e+00	3.130100e+00
C13-15	9.614588e-05	7.548570e-05	7.587630e-03	1.460391e-01
C13-15	1.008716e-03	1.551515e-03	2.747222e-02	1.495293e-01
C16	2.537907e-03	3.893169e-03	4.718786e-02	6.385409e-01
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	5.201508e-02	5.794316e-02	8.742843e-02	1.119270e-01
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	8.730536e-03	1.104405e-02	2.135356e-01	2.429024e+00
C18	2.954467e-03	3.537166e-03	1.860953e+00	5.370006e+00
C19	1.538729e-03	2.315403e-03	8.239664e-03	1.406888e-02
C19	5.759796e-01	7.143042e-01	1.743759e+00	3.767305e+00
C24	4.683426e-03	7.296629e-03	2.470022e-02	5.017119e-02
C20-21	1.237650e-04	1.635894e-04	4.112494e-04	1.155452e-03
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.321526e-03	2.040211e-03	7.758725e-03	1.365627e-02
C20-21	8.832216e-06	1.087020e-05	7.326938e-04	3.081323e-03
C20-21	5.654243e-03	9.089255e-03	4.631976e-03	1.853331e-02
C22	4.301187e-03	6.355948e-03	8.735603e-01	9.752478e+00
C23	4.539607e-03	6.806748e-03	2.619660e-02	2.367971e-01
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	4.114260e-03	6.129165e-03	2.271955e-02	1.663955e-01
C23	7.601185e-03	1.147834e-02	4.062831e-02	6.839847e-02
C23	4.588735e-03	6.945722e-03	2.496496e-02	4.104689e-02
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	5.993196e-03	9.007689e-03	3.281706e-02	6.147630e-02
C24	6.732306e-02	1.529777e-01	9.490176e-01	1.533245e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.240172e-03	4.859878e-03	2.724534e-01	4.874077e+00

C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.750039e-03	5.463126e-03	2.854296e-02	2.819429e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.758641e-03	4.164418e-03	3.730584e-01	9.462300e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.392778e-03	6.259431e-03	1.018474e-01	4.355584e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.021675e-03	6.031741e-03	2.257194e-02	2.304149e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.545241e-03	6.544019e-03	3.015906e-02	6.946245e-02
C25_33	7.630113e-03	1.071818e-02	8.049869e-01	2.023168e+00
C25	9.816080e-03	1.454250e-02	6.457173e-01	3.383239e+00
C26	4.375052e-04	8.671805e-04	4.692987e-02	2.458010e+00
C27	4.278014e-02	7.870082e-02	6.175356e-01	3.598558e+00
C27	2.476703e-03	3.925090e-03	6.588466e-01	1.230067e+01
C28_32	2.490075e-03	3.443063e-03	2.374479e-02	4.373135e-01
C29	1.230137e-01	2.500845e-01	8.709757e-01	1.047001e+01
C30	1.009353e-01	1.616385e-01	5.133038e-01	1.461891e+00
C31	4.585324e-03	6.390659e-03	3.586755e-02	1.554651e-01
E37-39	5.043677e-03	7.078983e-03	2.686390e-02	7.117174e-02
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	4.064101e-03	5.832011e-03	2.078012e-02	3.836745e-02
D35	4.516044e-03	6.440558e-03	2.552622e-02	6.296752e-02
D35	1.070305e-03	1.218945e-03	3.816975e-03	1.714039e-02
D35	3.191932e-03	4.644977e-03	1.701888e-02	3.023080e-02
D35	4.900106e-04	5.936858e-04	2.251833e-03	7.168384e-03
D35	2.316589e-03	3.211953e-03	1.117470e-02	2.074332e-02
D35	8.488144e-04	9.652086e-04	2.793305e-03	7.119412e-03
D35	1.183718e-05	1.356504e-05	2.138852e-04	2.124924e-03
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	4.659237e-05	7.485676e-05	3.566431e-04	1.602818e-03
D35	2.040713e-04	2.541262e-04	1.681431e-03	6.578093e-03
D35	3.595593e-03	5.187963e-03	1.818637e-02	3.284344e-02
D35	3.688449e-03	5.317818e-03	1.968356e-02	4.469303e-02
D35	4.604994e-03	6.595984e-03	2.435688e-02	5.000119e-02
D35	2.905710e-03	4.197639e-03	1.537491e-02	2.856929e-02
E36	3.606373e-03	4.854620e-03	1.716148e-02	3.587285e-02
F	8.227220e-03	1.146331e-02	1.309996e-01	7.182723e-01
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.077208e-01	1.302247e-01	3.877421e-01	1.945503e+00
G47	4.401193e-03	6.176863e-03	2.402478e-02	7.261800e-02
G46	3.500250e-01	3.650816e-01	1.096879e+00	3.649850e+00
G47	1.351465e-01	1.570125e-01	4.716047e-01	1.407802e+00
I	2.013177e-02	2.532555e-02	8.766739e-01	1.750113e+00
H49	3.135092e-02	3.829356e-02	6.847636e-01	1.673355e+00
H49	6.815369e-02	1.738625e-02	1.333770e+00	3.033258e+00
H49	2.966984e-02	3.570218e-02	3.325713e-02	5.962360e-02

	H50	7.279111e-02	8.093207e-02	1.000683e-01	1.435578e-01
	H50	9.309853e-04	1.153064e-03	5.998528e-03	4.786275e-02
	H51	3.324162e-01	3.901936e-01	1.679555e+00	8.970702e-02
	H52	2.433109e-02	2.959711e-02	2.532789e-01	1.682912e+00
	H53	3.656337e-05	4.507657e-05	6.407535e-01	1.796192e+00
	K64	6.028511e-05	8.580460e-05	2.907449e+01	6.985833e+00
	K65	4.084220e-06	7.769145e-06	1.035067e-02	2.050618e-02
	K66	3.574198e-05	5.989452e-05	1.579973e+00	8.589190e-01
	L68	1.611310e-03	2.205048e-03	1.009810e-02	2.008335e-01
	M_N	6.218532e-04	9.086010e-04	1.930815e-02	3.695610e-02
	J62_63	2.393373e-04	2.916434e-04	1.293897e+00	6.669388e+00
	M_N	3.134081e-03	3.380957e-03	1.085720e+00	4.992646e-01
	M_N	6.607006e-03	8.710940e-03	6.839811e-02	7.148163e+00
	O84	6.887163e-03	7.630864e-03	5.289966e-02	2.761535e-01
	P85	5.743350e-03	7.950102e-03	5.515668e-02	1.052419e-01
	M_N	4.882354e-03	6.830909e-03	3.381169e-02	8.521124e-02
	E37-39	2.029821e-06	3.855663e-06	1.320232e-05	4.207102e-05
	E37-39	2.416855e-06	4.412726e-06	1.345192e-05	4.115497e-05
	E37-39	5.326020e-03	4.178931e-06	1.406229e-02	1.723499e-05
	E37-39	7.680738e-06	1.391714e-05	1.747898e-05	5.319399e-05
	E37-39	1.143673e-06	2.037268e-06	6.557218e-06	1.945286e-05
	E37-39	1.681806e-06	3.028769e-06	8.704465e-06	2.739496e-05
	E37-39	7.699856e-06	1.493272e-05	1.585412e-05	6.275673e-05
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	1.163126e-07
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E37-39	6.447021e-06	1.010860e-05	1.527290e-05	2.732647e-05
	E37-39	1.433393e-05	2.423276e-05	1.133269e-05	5.747752e-05
	E37-39	1.468845e-05	1.965110e-05	3.632826e-05	5.423089e-05
	E37-39	1.318614e-05	1.784307e-05	4.959551e-06	6.368024e-05
	E37-39	1.539046e-05	2.131876e-05	6.299685e-06	6.826540e-05
	E37-39	4.067062e-03	6.265320e-03	2.307198e-02	4.198182e-02
	E37-39	4.155966e-03	6.369951e-03	2.364461e-02	4.469891e-02
	E37-39	1.229348e-02	1.498060e-02	1.253687e-02	5.029213e-02
	E37-39	1.199412e-03	1.762923e-03	8.382283e-03	3.210615e-02
	E37-39	8.065275e-03	9.847263e-03	1.136576e-02	1.977028e-02
	E37-39	1.548821e-02	2.758688e-03	1.648239e-02	2.376471e-02
	R_S	6.727302e-04	5.395671e-04	1.150705e-01	1.951003e-01
	R_S	1.631221e-03	2.170138e-03	2.486759e-02	3.836207e+00
	R_S	2.708606e-03	2.611844e-03	1.654822e-02	6.076638e-02
	T	8.609296e-03	1.215142e-02	1.179571e+00	1.173284e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WL	A01	1.526000e-06	2.463323e-06	8.369147e-04	1.081732e-02
	A01	5.436949e-04	8.300182e-04	1.254168e-02	6.972677e-02
	A01	6.791541e-01	9.698450e-01	1.705092e+01	4.041182e+00
	A01	3.786999e-02	9.332279e-02	3.547594e-01	4.183499e+00
	A01	4.965116e-04	1.036514e-02	1.846861e-01	2.420341e+00
	A01	1.839057e-04	3.631085e-04	3.561305e-03	1.816438e-02
	A01	1.795067e-05	3.250982e-05	1.501021e-03	1.127009e-02

A01	4.841511e-04	8.956558e-04	3.146241e-01	8.660148e+00
A01	7.096229e-03	1.037282e-02	1.798811e-01	7.796570e+00
A01	5.259426e-04	8.375872e-04	1.212131e-02	4.040634e-02
A01	1.182287e-03	1.841810e-03	2.815598e-02	6.168941e-02
A01	2.453634e-04	2.847154e-04	4.019143e-03	1.650178e-01
A01	1.773553e-04	2.005970e-04	1.211046e-03	9.008033e-03
A01	1.441008e-03	2.157263e-03	3.686428e-02	1.983268e-01
A01	5.244681e-06	1.148361e-05	7.422150e-03	2.081815e-03
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A02	3.149605e-04	3.541590e-04	1.644094e-03	1.102124e-02
A03	2.656722e-04	3.833749e-04	7.721216e-03	1.229512e-02
B_nongas	4.557621e-01	9.772421e-01	1.674228e+00	3.392987e+00
B_nongas	1.582767e-03	2.064037e-03	8.797708e-03	5.185061e-02
B_gas	1.856792e-03	2.416656e-03	9.950755e-03	2.019597e-01
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	5.627809e-05	6.299767e-05	1.688837e-02	8.911945e-01
B_nongas	2.309351e-04	5.178584e-04	1.784251e-02	2.817132e-01
B_nongas	2.992070e-06	5.515319e-06	3.762643e-04	3.067458e-03
B_nongas	2.386091e-05	4.838944e-05	2.430663e-04	2.356827e-03
B_nongas	2.358546e-04	3.850245e-04	3.522057e-03	4.918340e-02
B_nongas	4.655197e-05	5.792800e-05	1.949003e-03	3.039243e-02
B_nongas	3.214382e-06	5.618951e-06	2.347814e-04	2.481236e-03
B_nongas	7.420204e-05	1.485700e-04	2.452719e-03	4.153181e-02
B_nongas	2.397919e-04	3.991492e-04	2.868343e-03	3.717957e-02
B_nongas	3.036983e-03	4.777352e-03	1.594605e-02	2.420617e-02
C10-12	3.125991e-04	4.434653e-04	4.742855e-03	1.917647e-01
C10-12	3.207558e-04	4.756940e-04	5.229073e-03	1.319628e-02
C10-12	2.158789e-04	2.684113e-04	2.768943e-02	9.877016e-02
C10-12	5.458229e-04	8.568255e-04	1.033304e-02	5.563033e-02
C10-12	1.704270e-04	2.882286e-04	3.066590e-01	1.684681e+00
C10-12	3.603478e-04	4.883757e-04	4.036979e-02	2.474165e-01
C10-12	7.687257e-05	1.005064e-04	2.803770e-02	2.075507e-01
C10-12	2.225424e-04	3.223846e-04	1.529434e-02	4.652769e-02
C10-12	1.480423e-02	2.523359e-02	3.601416e-01	8.352698e-01
C10-12	1.145111e-03	1.897926e-03	4.013380e-02	1.452035e-01
C10-12	3.029369e-07	4.033332e-07	5.947796e-04	2.982445e-01
C10-12	8.140116e-05	9.102882e-05	1.765904e-02	4.986331e-02
C13-15	1.285049e-02	1.644443e-02	7.229492e-02	1.157298e-01
C13-15	2.601874e-04	2.928873e-04	6.633750e-03	1.078702e-01
C13-15	1.106615e-04	1.263942e-04	4.263385e-03	3.811253e-02
C16	5.515383e-04	6.793275e-04	1.741030e-02	3.075137e-01
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	4.043614e-02	4.461048e-02	6.265706e-02	1.130166e-01
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.054374e-03	2.284982e-03	1.631511e-02	1.938029e-01
C18	1.028779e-03	1.144428e-03	1.117959e-02	7.025766e-02

C19	4.507749e-04	3.705802e-04	1.838325e-03	1.633317e-02
C19	5.245378e-02	6.496257e-02	1.930569e-01	5.367653e-01
C24	9.164788e-06	1.195445e-05	1.337230e-04	1.064572e-03
C20-21	3.287126e-03	3.511944e-03	4.993278e-03	2.804969e-02
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.142757e-04	1.289184e-04	7.463885e-04	8.024028e-03
C20-21	6.168980e-05	6.861327e-05	2.495052e-03	2.924798e-02
C20-21	1.698178e-04	2.729693e-04	2.351818e-04	1.068719e-03
C22	5.938358e-04	7.614436e-04	1.548458e-02	1.767743e-01
C23	1.061430e-04	1.193832e-04	2.403088e-03	4.479792e-02
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	9.604186e-05	1.072452e-04	2.116455e-03	3.705465e-02
C23	9.327687e-05	1.040304e-04	1.807909e-03	2.887327e-02
C23	1.516004e-04	1.804103e-04	2.769334e-03	4.069324e-02
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.084445e-04	1.232471e-04	2.396537e-03	3.783700e-02
C24	1.032587e-02	2.583988e-02	1.698852e-01	3.059533e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.152314e-05	9.256985e-05	5.464834e-01	1.046719e+01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.794838e-05	1.277236e-04	2.660222e-03	4.055261e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.091816e-05	1.068923e-04	7.233593e-03	1.904984e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.001058e-07	5.144367e-07	1.443968e-02	6.994020e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.709939e-05	7.058620e-05	4.772983e-04	2.420088e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.215688e-04	1.551701e-04	1.324439e-03	1.499232e-02
C25_33	5.928662e-04	1.129391e-03	2.590192e-02	2.703966e-01
C25	4.464010e-04	6.001376e-04	2.311805e-02	1.641699e-01
C26	2.196221e-04	2.877996e-04	3.509166e-03	4.975572e-02
C27	2.137118e-03	3.947319e-03	3.466535e-02	2.481475e-01
C27	2.594522e-04	3.670185e-04	6.429291e-03	9.207966e-02
C28_32	2.978759e-04	3.862412e-04	6.775970e-03	2.745336e-01
C29	7.599065e-04	1.303333e-03	8.582709e-03	9.808039e-02
C30	1.528702e-02	2.453695e-02	8.016621e-02	2.741602e-01
C31	3.573446e-04	4.315949e-04	4.601659e-03	5.928397e-02
E37-39	2.011395e-04	2.457747e-04	3.775197e-03	5.651633e-02
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	8.941577e-05	9.843711e-05	2.104093e-04	8.204549e-04
D35	1.361881e-04	1.762644e-04	9.101655e-04	7.655877e-03
D35	5.914939e-05	6.530388e-05	1.165580e-04	3.361641e-04
D35	8.607108e-05	9.772385e-05	1.055384e-03	1.255368e-02
D35	1.034835e-05	1.344048e-05	3.213711e-05	1.000088e-04
D35	1.075570e-04	1.216917e-04	3.874052e-04	2.232288e-03
D35	5.994503e-05	6.600940e-05	9.990707e-05	1.840003e-04
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	8.306195e-07	1.072548e-06	7.681563e-06	3.090452e-05
D35	7.793569e-06	8.735313e-06	2.613426e-05	1.206789e-04
D35	1.044481e-04	1.175284e-04	5.188769e-04	4.842081e-03
D35	9.940075e-05	1.131072e-04	9.022938e-04	1.149677e-02
D35	9.852181e-05	1.099319e-04	3.990783e-04	2.385842e-03
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	2.698087e-06	5.097595e-06	1.821916e-04	2.811549e-03
F	2.951523e-04	3.815246e-04	8.583207e-03	9.334046e-02
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	4.314313e-03	4.971927e-03	1.593726e-02	1.406847e-01
G47	1.967833e-04	2.195129e-04	3.986406e-03	6.548374e-02
G46	9.236501e-03	8.909598e-03	3.440799e-02	2.365664e-01
G47	6.855259e-03	7.597553e-03	2.229985e-02	1.358895e-01
I	1.480397e-04	1.658940e-04	2.208262e-03	1.315325e-02
H49	1.467895e-04	1.653854e-04	1.025971e-03	1.304721e-02
H49	1.827078e-04	2.055017e-04	2.462988e-03	3.818816e-02
H49	1.825689e-04	2.081467e-04	5.886389e-04	6.928404e-03
H50	2.895604e-05	2.940590e-05	6.734325e-05	1.923721e-04
H50	1.523659e-06	1.510769e-06	1.725137e-05	1.690262e-04
H51	1.161419e-04	1.587387e-04	3.905127e-03	6.011375e-02
H52	1.293240e-05	1.349877e-05	7.480619e-04	6.955077e-03
H53	1.233932e-05	1.525297e-05	1.407181e-02	4.726248e-02
K64	1.638897e-07	2.477203e-07	2.417431e-03	1.420032e-03
K65	4.977216e-10	7.161777e-10	3.469125e-05	2.501122e-04
K66	6.569314e-07	6.734027e-07	6.960219e-03	5.783328e-03
L68	3.206774e-05	3.525908e-05	5.037156e-04	4.645012e-03
M_N	2.228901e-06	2.749981e-06	1.141928e-04	1.920813e-03
J62_63	1.333450e-04	1.493169e-04	3.299281e-02	1.740825e-01
M_N	5.436806e-05	6.154208e-05	1.264409e-02	6.135766e-02
M_N	1.591770e-04	1.792337e-04	3.924928e-03	3.766885e-01
O84	1.778077e-04	3.185674e-04	4.091985e-03	5.825277e-02
P85	5.088774e-05	5.615580e-05	6.917359e-04	3.647798e-03
M_N	2.079996e-04	2.457392e-04	1.224555e-03	6.359497e-03
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	6.234020e-08	1.129576e-07	1.418670e-07	4.317455e-07
E37-39	1.390958e-08	2.477767e-08	7.975022e-08	2.365897e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	8.344833e-08	1.618355e-07	1.718214e-07	6.801353e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	2.283828e-09
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	5.206295e-08	8.163203e-08	1.233364e-07	2.206750e-07
E37-39	1.024775e-07	1.732471e-07	8.102075e-08	4.109237e-07
E37-39	2.470489e-07	3.305169e-07	6.110145e-07	9.121236e-07
E37-39	3.985958e-08	5.393673e-08	1.499193e-08	1.924952e-07

	E37-39	5.579980e-08	7.729348e-08	2.284019e-08	2.475036e-07
	E37-39	1.334920e-04	1.503457e-04	7.487219e-04	6.318109e-03
	E37-39	1.336407e-04	1.502936e-04	5.833358e-04	4.427369e-03
	E37-39	2.075137e-04	2.394159e-04	4.779645e-04	2.784758e-03
	E37-39	1.197263e-04	1.342225e-04	2.141895e-03	3.495368e-02
	E37-39	2.351186e-04	2.709865e-04	4.276210e-04	1.323930e-03
	E37-39	2.950270e-04	1.865893e-04	5.252493e-04	2.510784e-03
	R_S	2.031477e-04	2.347631e-04	1.344948e-03	1.459019e-02
	R_S	3.493178e-05	4.017126e-05	8.326113e-04	1.507348e-02
	R_S	2.972970e-06	3.087778e-06	1.891626e-04	1.177934e-03
	T	1.925497e-05	2.942733e-05	3.552917e-04	3.995620e-03
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WE	A01	1.873009e-06	2.626236e-06	2.259888e-04	1.843247e-03
	A01	3.089087e-01	4.325731e-01	1.099350e+00	6.414355e+00
	A01	3.632736e-01	5.186289e-01	9.118145e+00	2.031968e+00
	A01	5.965486e-03	1.463093e-02	6.161484e-02	6.830637e-01
	A01	5.204289e-05	2.094540e-02	4.041424e-01	5.318856e+00
	A01	1.435788e-05	2.349063e-05	7.107723e-04	2.930301e-03
	A01	2.282124e-06	3.197788e-06	4.649579e-04	2.429613e-03
	A01	1.200352e-04	2.389851e-04	1.257026e-02	2.678189e-01
	A01	3.230205e-03	4.631329e-03	8.344279e-02	4.087736e+00
	A01	6.893812e-04	9.859169e-04	1.754486e-02	4.635376e-02
	A01	9.546259e-04	1.425687e-03	2.417997e-02	4.692965e-02
	A01	1.194610e-04	1.426848e-04	8.011894e-03	3.910245e-01
	A01	5.533125e-05	4.281402e-05	1.312429e-03	4.583242e-03
	A01	1.560462e-03	2.239681e-03	4.199781e-02	3.077221e-01
	A01	6.269414e-05	8.966811e-05	1.914546e-03	1.575291e-03
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	3.502696e-06	8.483094e-07	5.054399e-04	3.817673e-03
	A03	1.453001e-06	1.786394e-06	1.738111e-04	9.133534e-04
	B_nongas	9.598846e-05	1.156542e-04	3.546167e-03	7.568770e-03
	B_nongas	8.409485e-05	1.175679e-04	4.770222e-04	1.587603e-03
	B_gas	5.293996e-04	6.807305e-04	2.326387e-03	6.179106e-03
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.839314e-05	3.661536e-05	5.248079e-04	1.934385e-03
	B_nongas	3.059035e-06	4.207449e-06	8.974995e-04	8.689002e-03
	B_nongas	1.681674e-04	3.822426e-04	2.915625e-03	6.903996e-03
	B_nongas	4.693883e-06	1.066175e-05	1.507291e-04	4.530382e-04
	B_nongas	8.903902e-06	2.010610e-05	3.185507e-04	1.412171e-03
	B_nongas	2.927234e-05	6.947905e-05	8.396100e-04	4.037937e-03
	B_nongas	6.563888e-06	7.328410e-06	5.278395e-04	2.213720e-03
	B_nongas	2.038740e-05	3.918717e-05	6.601042e-04	3.975745e-03
	B_nongas	0.000000e+00	0.000000e+00	1.280140e-08	1.720405e-02
	B_nongas	5.953988e-05	1.003278e-04	1.312156e-03	3.537386e-01
	B_nongas	7.379520e-04	1.163310e-03	4.454326e-03	7.942299e-03
	C10-12	1.210718e-04	1.885188e-04	3.322612e-03	1.251093e-02
	C10-12	5.973127e-05	6.312046e-05	1.242087e-03	3.796259e-03

C10-12	5.920094e-05	8.755984e-05	8.719552e-02	3.023570e-01
C10-12	6.060476e-04	1.040529e-03	1.470561e-02	3.887703e-02
C10-12	1.840583e-04	3.154346e-04	4.633567e-02	2.431008e-01
C10-12	3.718857e-04	5.265505e-04	3.175165e-02	1.714722e-01
C10-12	3.252271e-05	4.722428e-05	1.209612e-03	2.658174e-03
C10-12	1.172589e-04	1.959433e-04	6.591433e-03	1.912472e-02
C10-12	1.322257e-02	2.255752e-02	3.294999e-01	7.072395e-01
C10-12	1.218696e-03	2.069046e-03	4.928667e-02	1.836036e-01
C10-12	4.291641e-05	5.843366e-05	1.010278e-03	3.085030e-02
C10-12	2.368365e-05	4.145400e-05	1.185113e-01	3.258011e-01
C13-15	1.061228e-02	1.360537e-02	5.885294e-02	6.547349e-02
C13-15	7.003246e-05	6.288791e-05	4.066648e-03	7.732160e-02
C13-15	1.776126e-05	3.260385e-05	7.985329e-04	4.854176e-03
C16	4.051043e-05	5.954548e-05	8.824415e-03	1.555742e-01
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.180057e-04	1.621599e-04	2.216768e-03	7.417624e-03
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	5.082669e-05	8.299813e-05	3.973098e-02	5.597683e-01
C18	4.643021e-05	6.061054e-05	7.607190e-02	2.363014e-01
C19	4.364591e-04	4.040797e-04	1.380808e-03	4.800818e-03
C19	3.710441e-02	4.586387e-02	1.120719e-01	2.484763e-01
C24	2.182869e-05	4.612514e-05	6.264212e-04	4.957704e-03
C20-21	7.493993e-03	8.049220e-03	1.404203e-02	2.339977e-02
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	1.850358e-05	3.184975e-05	7.443985e-04	3.600278e-03
C20-21	2.014848e-05	4.442968e-05	6.388155e-04	3.082612e-03
C20-21	6.456551e-04	9.054506e-04	1.071839e-02	3.610865e-02
C22	1.717102e-04	2.545452e-04	3.483783e-02	3.774863e-01
C23	2.396020e-05	4.533191e-05	5.296236e-04	7.645299e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.437438e-05	4.663794e-05	5.735712e-04	7.581745e-03
C23	2.669209e-05	4.575388e-05	6.283987e-04	2.822693e-03
C23	6.099358e-05	8.408740e-05	1.131126e-03	6.727758e-03
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	4.984905e-05	8.316622e-05	6.734238e-04	3.156852e-03
C24	3.804084e-02	9.576812e-02	6.214286e-01	9.578991e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.769792e-05	8.649751e-05	8.938769e-04	3.414291e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	5.717038e-05	1.344231e-04	1.168922e-03	3.741717e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.808883e-05	6.333223e-05	3.334679e-02	8.661824e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.400731e-05	1.980127e-04	6.175460e-03	2.655646e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.604027e-05	8.627678e-05	7.804969e-04	8.897209e-03
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	4.639779e-05	1.077296e-04	1.057829e-03	3.577189e-03

C25_33	1.980438e-03	4.760097e-03	5.473571e-02	1.138293e-01
C25	3.794332e-04	6.095103e-04	4.263246e-02	2.122372e-01
C26	2.775892e-05	5.318186e-05	1.162807e-03	7.221715e-03
C27	1.449982e-03	2.730299e-03	2.308550e-02	1.327003e-01
C27	4.842344e-05	8.152125e-05	9.440502e-03	1.145687e-01
C28_32	8.300793e-05	1.176001e-04	3.478290e-03	1.438642e-01
C29	1.601841e-03	3.137822e-03	1.707534e-02	1.374460e-01
C30	4.176877e-03	6.655083e-03	2.290856e-02	6.321213e-02
C31	1.308121e-04	1.747399e-04	2.638090e-03	9.872527e-03
E37-39	1.354034e-04	3.088709e-04	2.244159e-03	5.457820e-03
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	6.299890e-05	7.633160e-05	1.532464e-03	4.918969e-03
D35	1.034543e-04	1.254770e-04	1.818841e-03	6.882103e-03
D35	9.352349e-06	1.110086e-05	7.636016e-04	3.398642e-03
D35	3.636202e-05	5.583097e-05	7.788768e-04	2.422132e-03
D35	3.355216e-05	4.003230e-05	3.701072e-04	1.253617e-03
D35	1.307953e-05	1.252564e-05	4.128357e-04	1.894542e-03
D35	3.426853e-05	4.040898e-05	3.920023e-04	1.376626e-03
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.696358e-06	2.369839e-06	2.793245e-04	8.493957e-04
D35	1.807435e-05	1.280026e-05	4.954804e-04	2.036946e-03
D35	6.283157e-05	8.624004e-05	1.455579e-03	3.926986e-03
D35	5.302272e-05	8.024019e-05	1.577753e-03	6.138790e-03
D35	7.775978e-05	7.305097e-05	1.904548e-03	7.235594e-03
D35	1.253274e-04	1.500779e-04	2.230151e-03	7.221539e-03
E36	8.868648e-05	9.976268e-05	9.570765e-04	3.473797e-03
F	2.029119e-04	2.266381e-04	1.434663e-02	9.058315e-02
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	7.338621e-03	8.462213e-03	2.190410e-02	1.310873e-01
G47	1.499176e-04	1.918448e-04	1.220656e-03	3.902757e-03
G46	1.435649e-02	1.291870e-02	4.026077e-02	1.105570e-01
G47	1.102876e-02	1.204006e-02	3.363888e-02	1.037519e-01
I	2.379883e-03	2.737395e-03	1.673804e-01	2.507713e-01
H49	1.659026e-03	1.904666e-03	4.777103e-02	1.173359e-01
H49	2.043429e-03	1.355084e-04	4.584670e-02	1.050739e-01
H49	9.519431e-04	1.077323e-03	1.092447e-03	2.618912e-03
H50	8.539291e-03	9.480465e-03	1.397372e-02	1.955406e-02
H50	1.799551e-05	1.749644e-05	1.004013e-03	4.553609e-03
H51	1.886911e-01	2.210900e-01	9.483824e-01	4.593541e-03
H52	3.510929e-03	4.011502e-03	2.480891e-02	6.151179e-02
H53	2.416434e-05	2.504645e-05	7.650715e-02	2.401178e-01
K64	2.756678e-06	3.698459e-06	1.354851e+00	3.262041e-01
K65	2.958791e-08	3.525687e-08	6.139645e-04	1.434058e-03
K66	3.512433e-07	4.658223e-07	8.593684e-02	4.529113e-02
L68	1.653377e-06	3.906554e-06	1.420583e-04	9.847994e-03
M_N	1.190122e-05	2.593399e-05	7.582541e-04	9.380771e-04

J62_63	1.192120e-05	1.605909e-05	1.328103e-01	6.791146e-01
M_N	3.220146e-05	6.043544e-05	1.427939e-01	5.739960e-02
M_N	3.139593e-05	4.783674e-05	4.528461e-03	5.261552e-01
O84	6.363203e-05	5.099209e-05	2.738999e-03	1.088242e-02
P85	1.088779e-05	9.831205e-06	3.589302e-03	5.614248e-03
M_N	5.265622e-06	4.604685e-06	1.348173e-03	4.113975e-03
E37-39	7.322012e-08	1.390822e-07	4.762367e-07	1.517594e-06
E37-39	7.432470e-08	1.357030e-07	4.136824e-07	1.265625e-06
E37-39	2.382880e-04	1.869668e-07	6.291519e-04	7.710994e-07
E37-39	1.564435e-07	2.834684e-07	3.560168e-07	1.083470e-06
E37-39	4.660918e-08	8.302671e-08	2.672325e-07	7.927810e-07
E37-39	7.734004e-08	1.392819e-07	4.002861e-07	1.259793e-06
E37-39	2.574889e-07	4.993612e-07	5.301736e-07	2.098632e-06
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	6.501268e-09
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	2.193487e-07	3.439275e-07	5.196339e-07	9.297358e-07
E37-39	3.390735e-07	5.732331e-07	2.680782e-07	1.359648e-06
E37-39	5.486054e-07	7.339573e-07	1.356840e-06	2.025493e-06
E37-39	4.218547e-07	5.708406e-07	1.586674e-07	2.037277e-06
E37-39	5.801782e-07	8.036586e-07	2.374808e-07	2.573418e-06
E37-39	1.958699e-05	4.555680e-05	5.777931e-04	2.899483e-03
E37-39	2.006607e-05	4.745306e-05	6.126494e-04	3.034097e-03
E37-39	7.424616e-04	9.050704e-04	8.887939e-04	4.533120e-03
E37-39	2.093073e-05	4.788498e-05	5.921689e-04	2.901527e-03
E37-39	4.625857e-04	5.584393e-04	6.763885e-04	2.515499e-03
E37-39	1.188609e-03	1.051353e-05	1.005891e-03	2.528248e-03
R_S	1.389004e-05	2.061353e-05	8.231626e-03	1.299280e-02
R_S	1.919315e-05	1.993647e-05	1.368114e-03	2.616430e-01
R_S	2.688860e-06	2.006099e-06	1.301875e-04	6.827812e-04
T	7.274212e-06	8.529069e-06	3.397325e-02	6.335329e-02
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WF A01	2.234571e-03	3.473332e-03	4.742952e-02	6.694179e-01
A01	3.729152e-03	6.005362e-03	7.083788e-02	9.187624e-01
A01	7.127931e-03	1.071914e-02	2.005412e-01	9.294725e-01
A01	4.544369e-02	1.091820e-01	4.490701e-01	4.883878e+00
A01	3.090100e-03	5.159281e-02	9.384753e-01	1.200173e+01
A01	1.951276e-03	3.141703e-03	3.149181e-02	9.764346e-02
A01	5.453801e-04	9.319911e-04	1.451732e-02	7.845468e-02
A01	5.830131e-03	1.194248e-02	7.696572e-01	2.000418e+01
A01	2.422314e-02	3.802974e-02	3.824539e-01	3.224765e+01
A01	4.838850e-02	7.562732e-02	4.540833e-01	1.238564e+01
A01	2.332065e-02	3.676367e-02	2.646447e-01	6.170024e+00
A01	7.287190e-04	1.224681e-03	1.025309e+00	6.647582e+01
A01	1.223109e-04	1.821106e-04	7.193830e-03	8.402836e-02
A01	4.289611e-03	7.145969e-03	3.477363e-01	2.043888e+01
A01	1.240620e-05	2.113546e-05	5.323324e-04	3.091758e-03
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

A02	1.844342e-04	2.910510e-04	5.362546e-03	4.440262e-02
A03	4.529292e-04	6.880027e-04	1.907511e-02	9.005449e-02
B_nongas	1.241071e-02	2.460096e-02	4.368137e-02	7.877416e-02
B_nongas	5.951011e-02	9.058396e-02	3.238051e-01	4.866153e-01
B_gas	4.365924e-02	6.617751e-02	2.388271e-01	1.601106e+00
B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
B_nongas	3.077101e-04	6.381201e-04	1.566093e-03	4.900928e-03
B_nongas	5.771093e-04	1.216162e-03	4.542484e-03	3.355418e-02
B_nongas	1.289333e-03	2.510085e-03	5.557962e-02	5.161152e-01
B_nongas	1.395096e-05	2.349304e-05	5.657450e-04	3.212083e-03
B_nongas	2.851518e-05	5.317384e-05	2.606997e-04	1.103552e-03
B_nongas	3.048775e-03	5.267211e-03	2.190359e-02	1.142737e-01
B_nongas	1.633265e-04	3.309467e-04	3.909082e-03	4.484258e-02
B_nongas	2.493431e-02	3.884711e-02	1.316575e-01	2.254809e-01
B_nongas	8.464827e-04	1.747851e-03	6.955845e-03	1.672527e-01
B_nongas	4.016337e-03	6.728092e-03	2.457964e-02	1.031275e-01
B_nongas	1.104421e+00	1.719643e+00	5.773096e+00	7.455788e+00
C10-12	2.242346e-04	3.710310e-04	5.611658e-03	5.622494e-02
C10-12	2.641328e-04	4.384534e-04	6.200811e-03	1.359886e-02
C10-12	3.801267e-05	5.728509e-05	3.270317e-03	1.275182e-02
C10-12	6.404079e-04	1.094352e-03	1.511792e-02	3.494983e-01
C10-12	2.118221e-04	3.575310e-04	2.072039e-02	9.732257e-02
C10-12	1.552835e-04	2.462913e-04	4.498578e-02	2.808354e-01
C10-12	7.311358e-05	1.202174e-04	2.451086e-03	7.544783e-03
C10-12	1.588097e-04	2.681072e-04	9.557964e-02	2.992285e-01
C10-12	2.154312e-02	3.682524e-02	5.108589e-01	1.200814e+00
C10-12	2.050059e-03	3.499961e-03	5.307042e-02	1.291654e-01
C10-12	1.219028e-05	1.422468e-05	8.005314e-04	5.496564e-02
C10-12	2.945096e-06	3.160876e-06	1.013504e-01	2.782930e-01
C13-15	4.875423e-02	6.247003e-02	2.707048e-01	3.198648e-01
C13-15	3.611154e-04	3.912734e-04	1.224729e-02	2.148481e-01
C13-15	1.077537e-05	1.813564e-05	7.696481e-03	5.951611e-02
C16	1.482912e-04	3.046505e-04	1.049217e-02	1.832346e-01
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	1.016040e-02	1.121247e-02	1.754676e-02	4.908565e-02
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.583792e-04	3.145120e-04	5.351099e-02	7.486071e-01
C18	1.125358e-04	1.205765e-04	4.358602e-02	1.703599e-01
C19	1.469951e-04	2.931563e-04	1.413626e-03	8.399170e-03
C19	5.661823e-02	7.141145e-02	3.741230e-01	6.095695e-01
C24	5.475807e-06	8.786908e-06	4.982862e-06	1.192050e-04
C20-21	2.195371e-02	2.387349e-02	2.732902e-02	4.923884e-02
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	2.404627e-05	3.386509e-05	9.786689e-04	7.387071e-03
C20-21	8.685746e-06	1.423179e-05	1.501744e-03	2.107464e-02
C20-21	5.103554e-04	8.203670e-04	4.262358e-04	1.674995e-03
C22	1.746166e-03	2.531561e-03	2.346899e-02	1.732683e-01
C23	1.333073e-04	2.766497e-04	2.107324e-03	5.335455e-02

C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	6.303933e-05	1.235669e-04	1.908013e-03	4.115148e-02
C23	3.439761e-05	6.527777e-05	1.376969e-03	1.467325e-02
C23	1.733944e-04	3.580126e-04	2.415446e-03	2.769780e-02
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	2.094241e-04	4.260187e-04	2.387767e-03	2.643714e-02
C24	4.497996e-03	1.116687e-02	7.479232e-02	1.526510e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.296296e-04	6.984390e-04	3.957940e-01	7.551651e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.133427e-04	2.382241e-04	2.601014e-03	2.886958e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	6.365604e-05	1.254407e-04	1.672402e-01	4.304577e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.158560e-04	2.436225e-04	1.024875e-01	5.168388e-01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	2.921718e-04	6.184849e-04	1.791539e-03	5.571800e-02
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	9.379698e-05	1.933929e-04	2.966247e-03	2.703062e-02
C25_33	5.940887e-04	7.059264e-04	2.740140e-01	7.305136e-01
C25	2.571417e-04	4.329961e-04	2.432276e-02	1.430248e-01
C26	2.595142e-05	4.641910e-05	2.046496e-03	3.613542e-02
C27	4.543660e-03	8.629204e-03	7.094618e-02	4.441640e-01
C27	1.323862e-04	2.455273e-04	3.170434e-02	5.473629e-01
C28_32	1.915107e-04	3.675983e-04	4.157034e-03	1.042566e-01
C29	6.997631e-03	1.429014e-02	5.270729e-02	6.228896e-01
C30	1.034773e-02	1.670104e-02	5.462422e-02	1.797367e-01
C31	5.759358e-04	7.442559e-04	3.640847e-03	3.304419e-02
E37-39	1.631735e-04	3.381276e-04	3.349793e-03	4.046416e-02
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.622093e-04	3.339963e-04	7.441548e-04	2.609855e-03
D35	1.561624e-04	3.205054e-04	1.183358e-03	1.044141e-02
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.168296e-05	1.259462e-05	3.637238e-04	4.445357e-03
D35	3.775621e-05	4.923476e-05	2.930609e-04	1.559235e-03
D35	8.312478e-05	1.665637e-04	4.578394e-04	2.073089e-03
D35	5.908747e-05	8.376755e-05	4.260047e-04	1.457722e-03
D35	4.684878e-07	7.872313e-07	1.002155e-05	2.264061e-04
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	6.701733e-06	1.062963e-05	7.707264e-05	2.129747e-04
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	1.381164e-04	2.816647e-04	7.394960e-04	4.309954e-03
D35	1.087076e-05	1.293119e-05	5.741472e-04	9.217239e-03
D35	1.468469e-04	2.981383e-04	7.087938e-04	2.575202e-03
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E36	9.817413e-06	7.574461e-06	3.400653e-04	5.251012e-03
F	9.001546e-04	1.851725e-03	5.385520e-02	4.018130e-01

F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.001779e-02	1.184856e-02	3.226582e-02	2.361132e-01
G47	1.414051e-04	1.768666e-04	2.334700e-03	3.783503e-02
G46	1.915032e-02	1.894631e-02	1.004068e-01	5.574499e-01
G47	1.309306e-02	1.537774e-02	4.352066e-02	2.337036e-01
I	6.340938e-05	7.043659e-05	1.336148e-03	8.609179e-03
H49	5.923236e-04	1.225156e-03	3.636303e-03	2.533210e-02
H49	7.989292e-04	1.644658e-03	6.146942e-03	5.795263e-02
H49	2.592449e-04	4.931505e-04	1.194713e-03	7.201354e-03
H50	4.733176e-05	5.700527e-05	3.436660e-04	8.879833e-04
H50	2.287504e-05	2.950780e-05	1.999866e-04	1.093488e-03
H51	2.937079e-04	4.217963e-04	6.030373e-03	7.234748e-02
H52	9.455795e-05	1.339033e-04	2.087449e-03	1.447914e-02
H53	2.646089e-05	3.631562e-05	1.460485e-01	4.032792e-01
K64	4.851973e-08	5.853618e-08	4.936855e-03	3.474086e-03
K65	7.148579e-10	1.026557e-09	4.151661e-05	6.704657e-04
K66	2.237296e-07	2.874858e-07	4.106873e-02	2.689544e-02
L68	8.779796e-07	1.106662e-06	3.321750e-05	5.499522e-03
M_N	1.216233e-06	1.323090e-06	2.320513e-04	1.097220e-03
J62_63	4.035577e-06	4.180849e-06	9.745313e-03	5.542631e-02
M_N	8.727575e-06	1.368763e-05	7.497555e-02	7.136375e-02
M_N	9.738880e-06	9.445113e-06	2.506917e-03	1.159665e+00
O84	2.286163e-04	4.651517e-04	4.095837e-03	4.003810e-02
P85	8.994142e-07	1.051287e-06	3.026597e-04	1.326044e-03
M_N	7.273161e-07	8.526183e-07	1.680329e-05	8.081892e-04
E37-39	1.385851e-08	2.632436e-08	9.013822e-08	2.872379e-07
E37-39	1.547355e-08	2.825181e-08	8.612393e-08	2.634885e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	7.708994e-08	1.396834e-07	1.754328e-07	5.338968e-07
E37-39	1.675948e-08	2.985430e-08	9.609002e-08	2.850639e-07
E37-39	2.372519e-08	4.272677e-08	1.227937e-07	3.864600e-07
E37-39	1.036838e-07	2.010793e-07	2.134866e-07	8.450623e-07
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	2.680350e-09
E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
E37-39	6.188636e-08	9.703464e-08	1.466079e-07	2.623128e-07
E37-39	1.301622e-07	2.200505e-07	1.029088e-07	5.219363e-07
E37-39	3.511941e-07	4.698487e-07	8.685920e-07	1.296636e-06
E37-39	4.822271e-08	6.525346e-08	1.813746e-08	2.328835e-07
E37-39	7.019529e-08	9.723400e-08	2.873261e-08	3.113557e-07
E37-39	6.322678e-06	9.131657e-06	2.806797e-04	3.451915e-03
E37-39	5.168246e-05	9.843259e-05	6.889422e-04	4.571238e-03
E37-39	7.340987e-05	9.842896e-05	5.671334e-04	3.499784e-03
E37-39	7.086361e-05	1.394922e-04	1.892523e-03	2.176766e-02
E37-39	3.453066e-04	5.236723e-04	1.852288e-03	4.186866e-03
E37-39	1.064968e-04	3.424758e-05	5.230902e-04	3.140488e-03
R_S	2.307277e-06	1.165114e-06	3.318780e-04	4.277606e-03
R_S	3.907650e-06	4.002990e-06	1.516504e-04	2.790423e-02
R_S	4.128901e-06	3.354933e-06	4.078836e-05	6.499121e-04

	T	3.399353e-05	4.929286e-05	6.389963e-04	3.364480e-03
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WM	A01	4.039659e+00	6.014596e+00	9.878552e+00	1.814331e+01
	A01	2.105262e+00	3.239145e+00	1.190597e+01	2.530424e+01
	A01	1.459504e+00	2.466411e+00	1.122733e+01	3.473316e+01
	A01	1.284612e+00	2.357927e+00	1.438176e+01	4.532436e+01
	A01	1.955193e+00	3.037303e+00	1.002721e+01	2.048755e+01
	A01	9.059264e-01	1.869684e+00	7.751967e+00	1.515679e+01
	A01	5.709259e-04	9.512321e-04	7.560478e-01	6.738121e+00
	A01	7.213695e-02	9.668663e-02	8.788584e+00	5.208604e+01
	A01	3.698912e+00	5.128279e+00	1.366942e+01	3.243617e+01
	A01	6.356193e+00	8.057583e+00	1.850042e+01	3.447888e+01
	A01	3.937641e+00	5.356128e+00	1.374813e+01	3.210433e+01
	A01	2.062531e+00	2.910487e+00	8.582264e+00	2.276883e+01
	A01	1.327229e-02	2.083208e-02	1.914783e+00	1.051125e+01
	A01	4.808312e+00	6.447625e+00	2.561614e+01	3.586156e+01
	A01	5.162608e-04	1.102520e-03	9.252135e+00	9.296334e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	1.410389e-03	3.393422e-03	3.794387e-01	2.675486e+00
	A03	2.023915e-03	4.734280e-03	5.939975e+00	1.756631e+01
	B_nongas	5.778215e-03	8.154470e-03	4.137374e-01	6.649994e+00
	B_nongas	2.469035e-01	3.456021e-01	2.337974e+01	7.451342e+01
	B_gas	1.330432e-01	1.936812e-01	3.067525e+01	7.212466e+01
	B_gas	0.000000e+00	0.000000e+00	1.012246e+00	4.666332e+00
	B_nongas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.598858e-02	3.871694e-01	8.877732e+00	2.313229e+01
	B_nongas	1.342709e+01	1.560337e+01	2.486618e+01	4.622692e+01
	B_nongas	6.027029e-07	5.468215e-07	1.061976e-02	1.356630e-02
	B_nongas	3.588111e-04	5.668556e-04	4.215423e+00	9.651202e+00
	B_nongas	1.646331e+01	1.887578e+01	2.623469e+01	4.077073e+01
	B_nongas	8.962125e+00	1.075628e+01	1.614917e+01	2.475691e+01
	B_nongas	1.097285e+01	1.301982e+01	2.001891e+01	3.129173e+01
	B_nongas	1.168268e+01	1.375181e+01	2.295159e+01	3.875458e+01
	B_nongas	6.553303e+00	8.267556e+00	2.374844e+01	4.397040e+01
	B_nongas	4.091910e-04	6.554327e-04	5.450649e-04	1.829233e-03
	C10-12	2.540645e-02	3.772387e-02	1.214017e+01	1.487147e+01
	C10-12	3.664158e-02	4.659551e-02	5.413317e+00	1.324274e+01
	C10-12	1.216079e-02	1.931068e-02	6.748815e+00	1.248034e+01
	C10-12	1.118140e-02	1.475904e-02	1.128968e+01	1.202615e+01
	C10-12	1.559860e-02	1.829636e-02	8.135575e-01	7.544453e+00
	C10-12	3.439750e-02	4.838081e-02	1.553257e+01	9.055388e+01
	C10-12	1.521446e-04	2.865424e-04	1.729484e-02	1.355675e+00
	C10-12	2.951715e-02	3.303077e-02	3.356461e+00	1.001076e+01
	C10-12	4.038113e-02	5.908729e-02	5.128120e+01	1.219101e+02
	C10-12	2.059152e-02	2.978424e-02	1.402839e+01	7.739808e+01
	C10-12	2.011049e-02	2.823787e-02	3.982456e+00	2.307835e+01
	C10-12	2.118257e-02	2.250584e-02	1.952704e+00	7.134972e+00

C13-15	9.033485e-01	2.304332e+00	4.833201e+01	3.281910e+01
C13-15	5.145614e-02	6.136753e-02	8.571535e+00	2.624298e+01
C13-15	2.103004e-02	3.388328e-02	6.191458e+00	2.514627e+01
C16	4.650846e-02	5.410174e-02	1.058808e+01	4.298479e+01
C16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.158373e+01	1.960652e+01	4.091680e+01	3.139305e+01
C17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C17	2.804678e-01	2.847607e-01	2.799191e+01	1.257846e+02
C18	2.642248e-01	3.198725e-01	2.955224e+02	6.246438e+02
C19	2.673781e-03	2.415704e-03	9.705214e-02	5.514763e-01
C19	2.708816e-01	3.139090e-01	4.951468e+01	1.796618e+02
C24	1.638989e-03	1.939750e-03	8.313518e-02	3.461545e-01
C20-21	1.521074e-02	1.875041e-02	3.238337e-01	7.206470e-01
C20-21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C20-21	6.395397e-04	1.293475e-03	8.031289e-02	2.669238e-01
C20-21	3.498150e-04	5.559079e-04	4.800521e-02	1.680599e-01
C20-21	1.275826e+00	2.586130e+00	3.591067e+01	8.098779e+01
C22	6.750763e+00	8.572163e+00	3.475981e+01	8.926724e+01
C23	1.218994e-02	1.509539e-02	1.102000e+00	2.474133e+01
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	1.214977e-02	1.584624e-02	1.744235e+00	5.346117e+00
C23	2.415287e-03	3.626268e-03	2.725404e-01	2.273732e+00
C23	3.139449e-02	4.321911e-02	7.740684e+00	8.263038e+00
C23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C23	4.408067e-02	6.417022e-02	5.346120e-01	1.444231e+01
C24	1.924223e-02	4.870449e-01	1.036945e+01	1.962655e+01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.803274e-03	1.022346e-02	3.784874e+00	1.054215e+01
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	7.244160e-03	1.000162e-02	4.594609e-01	4.840080e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.302710e-03	4.477078e-03	4.114672e+00	9.156473e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	1.001692e-02	1.357344e-02	2.869098e+00	8.985067e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	3.786021e-03	4.636336e-03	1.673125e+00	5.662135e+00
C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
C24	8.614828e-03	1.051484e-02	3.067454e+00	6.504018e+00
C25_33	1.977271e-01	2.505231e-01	4.657470e+01	1.060497e+02
C25	2.920713e-01	3.901042e-01	2.567112e+01	1.403678e+02
C26	2.544885e-02	3.355016e-02	7.069305e+00	1.999605e+01
C27	7.600103e-01	1.666796e+00	1.932716e+01	6.698713e+01
C27	9.187358e-02	1.253525e-01	1.648286e+01	1.300147e+02
C28_32	5.764887e-02	7.511296e-02	6.281499e+00	4.160645e+01
C29	1.410071e+00	2.986802e+00	1.757419e+01	8.173375e+01
C30	3.465508e-02	6.284231e-01	9.251489e+00	3.432726e+01
C31	9.787192e-02	1.181095e-01	2.231375e+00	3.725942e+01
E37-39	3.874218e-02	4.994502e-02	4.298617e-01	2.591770e+00

E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	3.289944e-03	9.747844e-03	7.495916e+00	2.158776e+01
D35	1.237636e+00	3.435129e+00	1.228860e+02	3.087230e+02
D35	1.001646e-04	1.285765e-04	2.744851e-02	3.794689e-02
D35	4.198993e-03	8.946466e-03	5.168963e+00	1.697699e+01
D35	3.425170e-03	5.121323e-03	9.422659e-01	4.041844e+00
D35	1.585385e-02	7.480641e-02	6.824088e+01	1.846916e+02
D35	2.845605e-03	5.061449e-03	6.709749e-01	2.287655e+00
D35	0.000000e+00	0.000000e+00	1.104160e-02	5.898525e-01
D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
D35	2.119103e-06	1.344588e-03	3.685344e-02	9.367333e-02
D35	0.000000e+00	0.000000e+00	1.033921e-02	4.645520e-01
D35	0.000000e+00	0.000000e+00	1.789563e-01	5.477342e+00
D35	1.883918e-02	3.135445e-02	1.488006e+01	4.690206e+01
D35	2.926712e+00	5.285166e+00	1.497264e+02	3.602189e+02
D35	9.218397e-03	1.834641e-02	1.026030e+01	3.279524e+01
D35	4.186555e-04	2.656404e-01	7.234393e+00	1.844916e+01
E36	2.491994e-02	1.067681e-01	5.230687e+01	9.339308e+01
F	5.055516e+00	9.090835e+00	1.616687e+02	2.991439e+02
F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
G45	1.279444e+01	1.475001e+01	3.397049e+02	4.683564e+02
G47	5.748754e-01	6.629348e-01	4.627916e+00	7.127296e+01
G46	6.976043e+01	7.106498e+01	6.943410e+02	1.196161e+03
G47	3.269937e+01	6.296568e+01	5.322323e+02	9.886376e+02
I	2.628024e+00	3.134434e+00	3.346185e+02	8.522607e+02
H49	3.146542e+00	3.589421e+00	1.141051e+02	1.110507e+02
H49	1.484607e+01	3.592588e+01	4.439687e+02	9.113383e+02
H49	8.778159e-01	1.002449e+00	5.452216e+00	1.376022e+01
H50	3.254094e+01	3.710876e+01	5.226346e+01	5.775534e+01
H50	6.720748e-02	7.993588e-02	2.698445e+00	1.476500e+01
H51	2.377717e+00	4.026350e+00	1.238990e+02	5.798240e+02
H52	7.081514e+00	8.473588e+00	2.317161e+02	7.571125e+02
H53	1.519268e-01	2.845754e-01	6.899660e+02	1.421864e+03
K64	1.137115e-02	1.914821e-02	2.106683e+03	5.399651e+02
K65	3.208139e-03	6.301878e-03	8.779717e+01	1.939645e+02
K66	9.391657e-03	1.217693e-02	3.241750e+02	1.652242e+02
L68	1.873418e-02	2.775890e-02	5.802354e+02	8.610163e+02
M_N	3.633276e-02	5.624095e-02	8.808931e+01	4.633636e+02
J62_63	6.843989e-02	9.459680e-02	9.900130e+01	3.392577e+02
M_N	5.900854e-03	1.244924e-02	7.955902e+01	3.608853e+01
M_N	4.419957e+00	9.111797e+00	1.264221e+03	4.294673e+03
O84	1.324920e-01	3.826332e-01	4.215691e+02	3.139423e+02
P85	2.583121e-03	4.212774e-03	3.091623e+01	4.448743e+01
M_N	8.251789e-03	1.396922e-02	7.145099e+00	3.801579e+01
E37-39	3.544474e-04	6.732758e-04	2.305389e-03	2.960298e+00
E37-39	5.000609e-04	9.130177e-04	2.783279e-03	3.528898e+00
E37-39	5.612198e-04	9.142483e-04	1.609950e-03	6.256112e-01
E37-39	4.616528e-04	8.364936e-04	1.050578e-03	1.855070e+00

E37-39	9.285548e-05	1.654070e-04	5.323844e-04	5.484988e-01
E37-39	1.267580e-04	2.282789e-04	6.560571e-04	8.695166e-01
E37-39	2.934526e-04	5.691074e-04	6.042233e-04	1.551214e+00
E37-39	1.329492e-04	2.171821e-04	6.269637e-05	5.221527e-04
E37-39	1.816998e-05	2.969821e-05	8.484473e-06	6.514409e-05
E37-39	1.393104e-03	2.184315e-03	3.300242e-03	1.934600e+00
E37-39	9.323931e-04	1.576291e-03	7.371686e-04	1.917587e+00
E37-39	2.933262e-04	3.924295e-04	7.254700e-04	1.082983e-03
E37-39	1.915873e-03	2.592499e-03	7.205953e-04	8.212766e+00
E37-39	2.159284e-03	2.991025e-03	8.838467e-04	5.573794e+00
E37-39	1.016346e-02	3.015983e+00	4.949412e-01	2.740100e+01
E37-39	6.455506e-03	8.507553e-03	2.633745e-01	1.188103e+01
E37-39	5.509566e-03	6.990701e-03	3.027629e-01	7.947391e+00
E37-39	5.684920e-03	7.775857e-03	2.369125e-01	1.231235e+01
E37-39	6.038178e-03	7.707849e-03	4.333593e-01	5.259639e+00
E37-39	6.084076e-03	7.748220e-03	4.014454e-01	6.042161e+00
R_S	9.072948e-03	1.455985e-02	1.070836e+02	1.177638e+02
R_S	8.537112e-02	1.556617e-01	1.647529e+02	3.487072e+03
R_S	1.810604e-02	2.575742e-02	8.550084e+01	1.736313e+02
T	5.724467e-02	7.981997e-02	1.011692e+01	1.341474e+01
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

region	sector		R_S	T	U
region	sector				
AT	A01	0.000000e+00	0.000000e+00	0	
	A01	1.557160e-03	1.154416e-04	0	
	A01	6.206236e-03	3.953166e-04	0	
	A01	2.889712e-02	6.360803e-04	0	
	A01	3.821065e-04	8.731522e-06	0	
	A01	0.000000e+00	0.000000e+00	0	
	A01	0.000000e+00	0.000000e+00	0	
	A01	4.186537e-03	7.420171e-05	0	
	A01	1.028359e-01	5.334445e-04	0	
	A01	2.616656e-02	1.868843e-04	0	
	A01	8.506922e-03	6.076196e-05	0	
	A01	4.390470e-03	5.489223e-05	0	
	A01	2.507863e-03	2.995081e-05	0	
	A01	8.877882e-02	6.146494e-04	0	
	A01	0.000000e+00	0.000000e+00	0	
	A01	0.000000e+00	0.000000e+00	0	
	A01	0.000000e+00	0.000000e+00	0	
	A02	2.150272e-03	3.813323e-07	0	
	A03	7.124521e-10	2.060805e-10	0	
	B_nongas	5.642772e-06	8.428397e-07	0	
	B_nongas	2.921532e-04	1.748418e-05	0	
	B_gas	8.995951e-04	5.283786e-05	0	
	B_gas	0.000000e+00	0.000000e+00	0	

B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	6.002719e-05	2.604916e-06	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	1.039361e-03	7.165914e-06	0
B_nongas	1.081253e-03	6.119710e-05	0
B_nongas	5.424717e-03	1.847471e-04	0
B_nongas	3.736603e-02	1.725816e-02	0
C10-12	3.421946e-03	4.377811e-04	0
C10-12	1.399498e-02	1.619223e-03	0
C10-12	6.484898e-04	1.813584e-04	0
C10-12	8.596107e-02	1.268163e-02	0
C10-12	1.047962e-02	1.389015e-03	0
C10-12	2.009249e-01	4.688258e-04	0
C10-12	5.439513e-05	7.215460e-06	0
C10-12	2.984073e-02	1.108833e-03	0
C10-12	2.481782e-01	9.975954e-03	0
C10-12	3.759610e-01	2.618615e-02	0
C10-12	5.055661e-04	1.355386e-04	0
C10-12	2.462180e-04	2.340214e-06	0
C13-15	1.519512e-01	2.228107e-02	0
C13-15	1.065769e-02	3.524015e-04	0
C13-15	1.133484e-02	1.999199e-05	0
C16	1.954433e-01	1.255778e-04	0
C16	1.083302e-01	6.690035e-05	0
C17	1.833327e-02	1.029005e-02	0
C17	4.962860e-02	2.795689e-02	0
C17	2.035532e+00	1.685786e-05	0
C18	1.661797e+00	2.920351e-04	0
C19	9.723715e-05	2.248947e-05	0
C19	5.978194e-03	1.118190e-03	0
C24	2.385563e-05	6.725794e-07	0
C20-21	3.305875e-02	8.966291e-03	0
C20-21	9.469649e-03	3.369445e-03	0
C20-21	3.483060e-05	3.047648e-06	0
C20-21	3.888156e-04	1.000436e-04	0
C20-21	5.247484e-03	3.169627e-04	0
C22	5.932987e-01	1.027789e-02	0
C23	3.909362e-03	1.088249e-04	0
C23	3.513327e-03	9.648101e-05	0
C23	2.468740e-02	1.596720e-04	0
C23	8.597732e-04	1.517650e-04	0
C23	9.066911e-03	4.556460e-04	0
C23	2.482894e-03	1.838095e-04	0
C23	1.623194e-03	2.094753e-04	0

C24	8.415146e-02	1.554483e-02	0
C24	1.337013e-02	2.504095e-03	0
C24	4.331573e-03	6.380712e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	1.368882e-03	1.171215e-04	0
C24	1.181166e-02	7.247922e-04	0
C24	7.913512e-04	2.086234e-05	0
C24	7.464397e-04	1.909021e-05	0
C24	2.559573e-03	1.944192e-04	0
C24	6.705714e-03	5.175033e-04	0
C24	1.419213e-02	2.582676e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	5.155881e-03	3.632671e-04	0
C25_33	2.836022e-01	3.219996e-02	0
C25	4.029873e-01	1.047476e-02	0
C26	1.927738e-02	8.581982e-05	0
C27	7.383588e-01	6.642727e-02	0
C27	5.198962e-02	1.996913e-03	0
C28_32	1.068627e-01	1.168032e-03	0
C29	9.533845e-01	5.192969e-01	0
C30	6.283965e-02	1.340083e-01	0
C31	5.870215e-02	4.185107e-03	0
E37-39	2.302276e-04	1.238216e-05	0
E37-39	2.522168e-02	6.669293e-04	0
D35	2.253445e-04	1.917507e-05	0
D35	6.076525e-04	5.361924e-05	0
D35	0.000000e+00	0.000000e+00	0
D35	7.246970e-04	6.124537e-05	0
D35	4.273275e-05	3.633192e-06	0
D35	7.061014e-05	6.022505e-06	0
D35	2.225453e-04	1.893707e-05	0
D35	4.939988e-07	4.333028e-08	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	1.945093e-08	1.521300e-09	0
D35	4.078743e-05	3.456943e-06	0
D35	1.791511e-03	1.524363e-04	0
D35	4.002144e-03	3.430389e-04	0
D35	3.738773e-03	3.606125e-04	0
D35	2.558421e-03	2.159218e-04	0
E36	1.265426e-04	1.103905e-05	0
F	8.104398e-02	2.561012e-03	0
F	1.138892e-04	1.279614e-05	0
G45	4.271049e-01	9.407602e-04	0
G47	6.091234e-04	1.722886e-03	0
G46	5.782412e-01	1.331582e-01	0
G47	2.695932e-01	9.072415e-02	0
I	8.626495e-01	2.648204e-04	0

	H49	1.030740e-01	3.187633e-04	0
	H49	9.997603e-02	5.248454e-03	0
	H49	4.449420e-03	9.246408e-04	0
	H50	2.038369e-03	9.726158e-04	0
	H50	6.094010e-04	3.854061e-05	0
	H51	1.228062e-01	4.332645e-02	0
	H52	7.802344e-02	4.792030e-04	0
	H53	1.157809e-01	2.714228e-04	0
	K64	3.634630e-01	1.498034e-02	0
	K65	4.565540e-04	4.723777e-08	0
	K66	9.378807e-04	7.265367e-05	0
	L68	3.185630e-03	1.318378e-04	0
	M_N	3.156361e-03	2.831043e-04	0
	J62_63	2.446910e-01	2.299032e-04	0
	M_N	2.982606e-03	7.138567e-05	0
	M_N	4.552080e-02	1.809541e-03	0
	O84	9.711599e-03	4.938268e-05	0
	P85	8.692428e-03	1.091424e-05	0
	M_N	8.224974e-03	8.146875e-06	0
	E37-39	9.194635e-05	7.999117e-06	0
	E37-39	8.739328e-05	7.640239e-06	0
	E37-39	4.767342e-05	4.204230e-06	0
	E37-39	1.089499e-03	7.978338e-05	0
	E37-39	1.307523e-05	1.248265e-06	0
	E37-39	2.310455e-05	2.428711e-06	0
	E37-39	1.225268e-04	1.221220e-05	0
	E37-39	4.194800e-06	7.976608e-07	0
	E37-39	5.793438e-07	1.104498e-07	0
	E37-39	4.684873e-06	8.523052e-07	0
	E37-39	1.044844e-03	4.750716e-05	0
	E37-39	3.405477e-07	4.300774e-08	0
	E37-39	6.212524e-05	6.325685e-06	0
	E37-39	1.371594e-04	1.662417e-05	0
	E37-39	5.546837e-05	7.609359e-06	0
	E37-39	8.962472e-05	5.755257e-06	0
	E37-39	1.692000e-04	1.317810e-06	0
	E37-39	1.880533e-04	8.274335e-06	0
	E37-39	5.093804e-06	1.059949e-06	0
	E37-39	1.196614e-05	1.387109e-06	0
	R_S	8.548193e-03	4.352048e-05	0
	R_S	7.034695e-03	2.560233e-06	0
	R_S	2.010455e-02	4.294049e-05	0
	T	6.335757e-02	6.124901e-02	0
	U	0.000000e+00	0.000000e+00	0
BE	A01	0.000000e+00	0.000000e+00	0
	A01	1.061374e-02	6.446317e-04	0
	A01	9.037024e-03	5.399371e-04	0
	A01	1.115255e-01	2.454842e-03	0

A01	2.555297e-03	5.840107e-05	0
A01	4.783386e-06	4.667946e-07	0
A01	1.053350e-07	3.332353e-08	0
A01	3.521111e-01	9.978391e-04	0
A01	3.885149e-01	2.760158e-03	0
A01	1.727294e-01	1.234333e-03	0
A01	2.791433e-02	1.997343e-04	0
A01	5.242215e-01	3.743878e-03	0
A01	2.872260e-02	2.214302e-04	0
A01	5.625340e-01	4.018981e-03	0
A01	1.091083e-11	3.595617e-12	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A02	3.440731e-04	7.258436e-05	0
A03	6.215715e-05	5.153693e-06	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_gas	0.000000e+00	0.000000e+00	0
B_gas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	1.047675e-03	0.000000e+00	0
B_nongas	4.751049e-03	1.179117e-04	0
B_nongas	3.132454e-02	4.758361e-05	0
B_nongas	3.370221e-01	1.581234e-01	0
C10-12	1.149686e-02	1.683327e-03	0
C10-12	1.560150e-02	2.584452e-03	0
C10-12	1.068780e-02	1.105805e-03	0
C10-12	1.023788e-01	1.475526e-02	0
C10-12	3.385213e-02	2.964718e-03	0
C10-12	1.230277e+00	4.730380e-03	0
C10-12	6.455088e-03	9.528212e-04	0
C10-12	3.396923e-01	9.411605e-03	0
C10-12	8.080893e-01	9.883768e-02	0
C10-12	1.318435e-01	1.788348e-02	0
C10-12	5.878030e-03	1.868133e-05	0
C10-12	1.710989e-02	2.051936e-04	0
C13-15	5.959276e-01	8.260442e-02	0
C13-15	3.976116e-02	8.183087e-04	0
C13-15	9.682059e-03	4.635530e-06	0
C16	6.039733e-02	5.651066e-06	0
C16	1.504991e-02	1.400666e-06	0
C17	3.886464e-03	8.768167e-04	0

C17	9.522747e-03	1.901688e-03	0
C17	1.519726e+00	2.391371e-04	0
C18	1.486273e-01	6.589385e-05	0
C19	1.435829e-04	5.255746e-05	0
C19	5.423786e-01	9.478439e-02	0
C24	1.720993e-03	3.202584e-04	0
C20-21	4.205411e-01	9.453354e-02	0
C20-21	6.042803e-03	2.175398e-03	0
C20-21	9.543587e-04	7.982043e-06	0
C20-21	9.151063e-04	4.849275e-05	0
C20-21	1.694868e-02	1.442928e-03	0
C22	1.150578e+00	9.982920e-03	0
C23	1.999225e-02	9.074246e-04	0
C23	5.012369e-03	2.401855e-04	0
C23	4.935027e-03	1.928953e-04	0
C23	1.818905e-03	5.933569e-04	0
C23	7.127092e-03	2.288953e-03	0
C23	3.208612e-03	1.050067e-03	0
C23	2.904012e-03	9.196347e-04	0
C24	1.493419e-01	2.864791e-02	0
C24	9.897225e-02	1.901024e-02	0
C24	2.591618e+00	1.034608e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	4.606468e-03	1.302075e-04	0
C24	8.416737e-05	1.054284e-05	0
C24	2.899616e-01	1.021359e-04	0
C24	2.753476e-02	3.344658e-05	0
C24	8.134722e-02	2.656216e-04	0
C24	9.743473e-02	2.767130e-04	0
C24	3.076277e-02	2.652456e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	3.350179e-04	2.996750e-05	0
C25_33	5.773168e-01	3.253371e-02	0
C25	4.323747e-01	8.678369e-03	0
C26	4.137507e-02	6.283061e-05	0
C27	5.308012e-01	3.663818e-02	0
C27	9.516359e-02	4.322106e-03	0
C28_32	2.344739e-01	3.176216e-03	0
C29	9.955801e-01	5.187857e-01	0
C30	2.711485e-01	5.462300e-01	0
C31	3.294566e-02	1.399073e-03	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	7.483461e-03	1.379919e-03	0
D35	3.691640e-04	4.660422e-06	0
D35	2.009062e-03	2.570397e-05	0
D35	3.303153e-03	3.156354e-05	0
D35	2.032573e-05	4.937755e-08	0
D35	4.140927e-05	8.075489e-07	0

D35	4.497950e-05	3.730854e-07	0
D35	3.137696e-04	3.369314e-06	0
D35	7.915233e-07	1.926410e-08	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	1.890080e-04	2.070367e-06	0
D35	1.225245e-03	1.499760e-05	0
D35	8.033682e-03	9.857443e-05	0
D35	1.244810e-03	2.118329e-05	0
D35	0.000000e+00	0.000000e+00	0
E36	3.220309e-03	3.492464e-06	0
F	4.807619e-01	1.460384e-02	0
F	1.353242e-03	3.428988e-05	0
G45	1.897551e-01	1.604050e-03	0
G47	1.966270e-03	4.102272e-04	0
G46	1.514565e+00	2.213632e-01	0
G47	3.355255e-03	7.423274e-04	0
I	8.452049e-01	8.710906e-05	0
H49	5.666456e-01	8.308334e-04	0
H49	5.286865e-01	3.109813e-02	0
H49	5.423225e-03	4.189826e-03	0
H50	1.848874e-01	9.535766e-02	0
H50	2.473816e-02	2.127722e-04	0
H51	1.032226e+00	3.697536e-01	0
H52	9.155686e-01	7.181114e-02	0
H53	4.196483e-01	3.068576e-04	0
K64	1.083383e+00	4.490796e-02	0
K65	2.206370e-03	2.222481e-07	0
K66	1.622736e-03	4.089209e-04	0
L68	3.069954e-03	9.912960e-05	0
M_N	1.843956e-02	6.601335e-04	0
J62_63	5.412496e-01	1.536659e-04	0
M_N	1.367602e-02	1.505932e-05	0
M_N	2.492949e-01	3.532138e-03	0
O84	1.977393e-02	1.271669e-04	0
P85	8.667215e-03	2.410112e-06	0
M_N	4.223447e-03	6.375253e-06	0
E37-39	2.706953e-04	1.687945e-05	0
E37-39	2.178876e-04	1.304659e-05	0
E37-39	8.179159e-05	4.436357e-06	0
E37-39	9.781827e-04	6.485312e-05	0
E37-39	4.373605e-05	2.511983e-06	0
E37-39	7.776294e-05	4.468889e-06	0
E37-39	4.507026e-04	2.281747e-05	0
E37-39	4.705535e-05	3.493623e-06	0
E37-39	6.472696e-06	4.809564e-07	0
E37-39	1.305496e-04	8.442003e-06	0

	E37-39	3.466899e-04	1.993930e-05	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	1.450941e-04	8.322940e-06	0
	E37-39	3.021010e-04	2.228095e-05	0
	E37-39	1.805837e-04	4.988327e-06	0
	E37-39	1.175320e-04	4.517946e-06	0
	E37-39	3.311221e-03	4.510842e-06	0
	E37-39	1.235822e-04	8.514374e-06	0
	E37-39	1.874361e-05	5.031431e-07	0
	E37-39	2.414872e-05	6.038952e-07	0
	R_S	2.472108e-02	6.232151e-06	0
	R_S	1.661292e-02	2.025449e-06	0
	R_S	5.436107e-02	4.077030e-06	0
	T	3.654976e-01	3.533337e-01	0
	U	0.000000e+00	0.000000e+00	0
BG	A01	1.693792e-04	2.923217e-09	0
	A01	3.509985e-01	3.278387e-02	0
	A01	1.496580e-01	1.042051e-02	0
	A01	9.722024e-02	2.310553e-03	0
	A01	8.234670e-02	1.881699e-03	0
	A01	1.155439e-08	4.300003e-11	0
	A01	1.010763e-04	1.546296e-09	0
	A01	8.482746e-02	6.127784e-04	0
	A01	1.842227e-03	1.181523e-05	0
	A01	2.142197e-03	1.413060e-05	0
	A01	4.275441e-03	2.544244e-05	0
	A01	3.329775e-03	5.509638e-04	0
	A01	5.589162e-04	1.245873e-04	0
	A01	8.867028e-03	5.906189e-05	0
	A01	3.371674e-08	1.451874e-10	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	1.330888e-03	2.583600e-05	0
	A03	1.731282e-04	4.878420e-06	0
	B_nongas	1.369764e-04	4.380637e-06	0
	B_nongas	1.004250e-05	2.114425e-08	0
	B_gas	7.691597e-05	1.220325e-07	0
	B_gas	6.306119e-06	1.080691e-08	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	1.144870e-03	1.884374e-05	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	1.917822e-02	1.060088e-04	0
	B_nongas	4.896665e-05	7.955494e-07	0
	B_nongas	1.169808e-05	1.955522e-07	0
	B_nongas	1.739464e-03	1.644770e-06	0
	B_nongas	6.666104e-02	9.805101e-06	0

B_nongas	5.412707e-03	2.530616e-03	0
C10-12	1.242294e-03	1.248013e-04	0
C10-12	2.110231e-03	2.102072e-04	0
C10-12	3.029707e-03	1.199419e-04	0
C10-12	6.619237e-03	2.446486e-04	0
C10-12	1.313339e-02	1.928005e-04	0
C10-12	1.200190e-01	1.426234e-04	0
C10-12	1.474225e-04	2.291755e-05	0
C10-12	4.684143e-04	5.036643e-05	0
C10-12	1.213999e-01	1.209214e-02	0
C10-12	5.967029e-02	7.069344e-03	0
C10-12	1.236177e-03	1.432175e-04	0
C10-12	2.514289e-01	3.043062e-03	0
C13-15	1.286977e-01	1.891561e-02	0
C13-15	2.808181e-02	4.575407e-04	0
C13-15	2.656049e-03	2.216478e-05	0
C16	1.803106e-02	1.410053e-05	0
C16	1.929351e-04	4.867372e-07	0
C17	2.103722e-02	1.187237e-02	0
C17	1.049818e-02	5.958908e-03	0
C17	3.131102e-01	2.873079e-05	0
C18	6.307160e-02	1.899909e-03	0
C19	9.767149e-06	2.781876e-06	0
C19	9.120331e-01	1.726488e-01	0
C24	0.000000e+00	0.000000e+00	0
C20-21	1.961364e-03	1.023808e-03	0
C20-21	6.614426e-03	3.038558e-03	0
C20-21	2.364297e-06	1.348895e-07	0
C20-21	1.631698e-02	8.989948e-04	0
C20-21	3.848972e-02	4.332321e-04	0
C22	2.693015e-01	1.810594e-03	0
C23	1.354286e-02	3.431675e-04	0
C23	6.898965e-04	1.720791e-05	0
C23	1.167993e-02	7.127698e-05	0
C23	6.081302e-04	2.324231e-05	0
C23	1.283199e-02	7.130113e-04	0
C23	1.219505e-03	4.835061e-05	0
C23	1.060443e-03	5.524973e-05	0
C24	9.464242e-05	1.807795e-05	0
C24	5.719604e-03	1.098732e-03	0
C24	3.486436e-03	1.728169e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	7.910872e-05	3.948559e-06	0
C24	2.494639e-04	1.052085e-05	0
C24	1.788088e-02	4.353978e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	1.320692e-01	2.093820e-04	0
C24	1.733851e-03	3.599048e-06	0

C24	1.441616e-03	5.957125e-07	0
C24	0.000000e+00	0.000000e+00	0
C24	1.587518e-04	1.122198e-05	0
C25_33	3.968551e-02	2.753158e-03	0
C25	5.762859e-02	2.405969e-03	0
C26	6.407678e-03	2.885010e-05	0
C27	1.208906e-01	8.615172e-03	0
C27	1.441267e-02	5.448988e-04	0
C28_32	1.630344e-02	1.331872e-04	0
C29	1.820236e-02	8.656814e-03	0
C30	1.160152e-02	1.916306e-02	0
C31	2.739666e-03	2.524937e-04	0
E37-39	8.505303e-05	1.708619e-05	0
E37-39	6.557942e-04	1.465673e-04	0
D35	1.317064e-03	1.112689e-04	0
D35	1.708759e-04	1.254936e-05	0
D35	4.470689e-04	3.731435e-05	0
D35	1.064632e-04	9.840117e-06	0
D35	5.197865e-06	1.534324e-07	0
D35	3.349125e-05	3.929045e-06	0
D35	2.659817e-05	4.642635e-08	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	2.740402e-06	3.987528e-07	0
D35	3.018373e-04	3.305520e-05	0
D35	7.498984e-04	8.114827e-05	0
D35	7.363248e-04	6.162308e-05	0
D35	4.534369e-03	3.845843e-04	0
E36	3.554929e-04	1.193491e-04	0
F	2.604637e-02	1.010155e-03	0
F	0.000000e+00	0.000000e+00	0
G45	2.168948e-02	2.860067e-03	0
G47	3.550369e-03	8.293547e-04	0
G46	2.672756e-01	6.021789e-03	0
G47	1.718392e-01	2.256176e-03	0
I	1.018204e+00	3.416784e-04	0
H49	1.396887e-02	1.717011e-04	0
H49	2.702715e-02	1.879463e-03	0
H49	3.386644e-04	1.262326e-04	0
H50	1.484853e-03	7.157988e-04	0
H50	1.469081e-04	1.300615e-06	0
H51	4.662486e-02	1.655023e-02	0
H52	1.955457e-02	3.481353e-03	0
H53	2.891004e-02	4.648608e-05	0
K64	5.438686e-04	1.895403e-05	0
K65	5.236272e-04	1.233508e-05	0

	K66	7.362733e-05	2.626798e-06	0
	L68	1.309614e-01	1.415724e-04	0
	M_N	7.322932e-04	1.129448e-04	0
	J62_63	7.148432e-02	3.139921e-05	0
	M_N	4.869498e-03	3.016364e-06	0
	M_N	1.310809e-02	1.357279e-04	0
	O84	3.480597e-11	0.000000e+00	0
	P85	1.586005e-04	8.662072e-06	0
	M_N	1.204638e-04	1.216191e-05	0
	E37-39	2.864392e-06	1.043360e-07	0
	E37-39	1.766517e-06	9.553578e-08	0
	E37-39	1.299074e-06	1.807123e-08	0
	E37-39	1.106516e-05	7.011445e-07	0
	E37-39	3.727531e-07	1.616921e-08	0
	E37-39	4.523728e-07	2.273051e-08	0
	E37-39	9.944763e-06	5.893621e-07	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	7.976557e-07	4.068658e-09	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	3.196383e-05	2.308953e-06	0
	E37-39	4.329463e-05	3.159250e-06	0
	E37-39	1.414191e-04	9.428510e-06	0
	E37-39	8.558735e-05	5.688271e-06	0
	E37-39	9.281395e-05	4.846977e-07	0
	E37-39	1.113968e-04	7.375969e-06	0
	E37-39	2.841495e-05	1.204755e-06	0
	E37-39	2.138913e-05	1.357397e-06	0
	R_S	2.001833e-03	5.455171e-06	0
	R_S	2.195941e-03	1.342148e-04	0
	R_S	1.245766e-03	4.797634e-05	0
	T	0.000000e+00	0.000000e+00	0
	U	0.000000e+00	0.000000e+00	0
CY	A01	0.000000e+00	0.000000e+00	0
	A01	2.496646e-04	2.387748e-05	0
	A01	3.537040e-06	3.852963e-09	0
	A01	5.396324e-02	1.186549e-03	0
	A01	5.340654e-06	4.301750e-10	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	7.087467e-03	3.089520e-04	0
	A01	7.786691e-04	5.452844e-06	0
	A01	1.860949e-02	1.328544e-04	0
	A01	2.132332e-02	1.522801e-04	0
	A01	3.428854e-02	3.602522e-04	0
	A01	1.830192e-03	2.181296e-05	0
	A01	7.401481e-02	5.297473e-04	0

A01	2.524141e-08	2.033126e-12	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A02	1.468220e-05	7.634449e-06	0
A03	2.240720e-06	6.481400e-07	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_gas	0.000000e+00	0.000000e+00	0
B_gas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	4.046094e-06	1.483657e-08	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	4.607086e-02	1.673031e-06	0
B_nongas	2.784734e-03	1.306975e-03	0
C10-12	1.066092e-03	1.651669e-04	0
C10-12	1.302854e-02	1.954913e-03	0
C10-12	5.578733e-04	2.104584e-04	0
C10-12	1.358688e-03	2.153242e-04	0
C10-12	1.373514e-03	3.116483e-06	0
C10-12	2.306076e-01	5.857327e-04	0
C10-12	6.775314e-11	3.260114e-12	0
C10-12	2.814448e-10	1.354243e-11	0
C10-12	9.340166e-02	9.667926e-03	0
C10-12	2.258699e-02	1.916679e-03	0
C10-12	2.143397e-03	1.495670e-06	0
C10-12	4.993150e-02	5.999132e-04	0
C13-15	1.565184e-02	2.244802e-03	0
C13-15	3.106264e-03	2.758341e-04	0
C13-15	3.038639e-03	7.331325e-05	0
C16	3.479043e-03	5.308577e-05	0
C16	6.134011e-04	9.713740e-06	0
C17	6.977709e-05	3.905960e-05	0
C17	3.583707e-03	1.996617e-03	0
C17	2.621835e-02	5.099765e-05	0
C18	1.632331e-02	7.692531e-05	0
C19	0.000000e+00	0.000000e+00	0
C19	6.364556e-04	1.410476e-04	0
C24	0.000000e+00	0.000000e+00	0
C20-21	5.614922e-04	2.921634e-04	0
C20-21	2.121657e-03	9.913146e-04	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	5.487718e-05	2.191640e-05	0

C20-21	2.442508e-04	6.528337e-05	0
C22	1.273387e-01	8.364795e-04	0
C23	0.000000e+00	0.000000e+00	0
C23	0.000000e+00	0.000000e+00	0
C23	4.630908e-05	2.958901e-06	0
C23	5.191111e-05	2.006048e-05	0
C23	5.141181e-04	1.812989e-04	0
C23	7.962718e-05	3.071127e-05	0
C23	3.386173e-05	9.821040e-06	0
C24	2.238860e-03	4.341174e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	1.746102e-03	6.932929e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	3.010625e-04	4.174814e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	2.925159e-03	5.967154e-07	0
C24	0.000000e+00	0.000000e+00	0
C24	1.100427e-02	1.147552e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	3.414498e-08	5.693127e-09	0
C24	0.000000e+00	0.000000e+00	0
C24	0.000000e+00	0.000000e+00	0
C25_33	2.672912e-02	2.461230e-03	0
C25	1.712774e-02	6.827459e-04	0
C26	0.000000e+00	0.000000e+00	0
C27	1.197873e-02	1.116503e-03	0
C27	9.184320e-03	3.405796e-03	0
C28_32	2.467571e-03	5.519762e-05	0
C29	1.103133e-02	6.133147e-03	0
C30	1.460384e-03	2.737244e-03	0
C31	2.422735e-03	9.106889e-04	0
E37-39	5.106666e-05	8.650640e-06	0
E37-39	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	1.799458e-10	8.658545e-12	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	6.636569e-07	3.107524e-07	0
D35	5.150698e-06	2.411776e-06	0
D35	0.000000e+00	0.000000e+00	0

D35	0.000000e+00	0.000000e+00	0
E36	2.792389e-10	1.343629e-11	0
F	9.288277e-03	1.134237e-04	0
F	0.000000e+00	0.000000e+00	0
G45	1.797880e-01	7.658456e-05	0
G47	8.749329e-06	2.011053e-03	0
G46	8.288702e-02	2.729641e-02	0
G47	8.161285e-02	3.754142e-02	0
I	4.327523e-01	4.402331e-04	0
H49	1.744830e-02	8.271451e-07	0
H49	7.423920e-03	4.532949e-04	0
H49	5.277941e-07	1.698744e-04	0
H50	9.765022e-03	5.067025e-03	0
H50	5.324904e-04	4.575955e-06	0
H51	2.456080e-02	8.812130e-03	0
H52	4.620207e-03	1.907668e-07	0
H53	3.131247e-02	1.620555e-05	0
K64	2.411424e-01	1.004412e-02	0
K65	5.069918e-08	0.000000e+00	0
K66	4.965749e-07	4.837644e-07	0
L68	2.139996e-05	1.029713e-06	0
M_N	2.206923e-04	7.618288e-05	0
J62_63	4.153437e-02	1.840711e-04	0
M_N	2.838328e-04	1.150975e-07	0
M_N	3.210405e-03	7.548410e-05	0
O84	2.585487e-08	0.000000e+00	0
P85	2.038059e-06	9.255169e-07	0
M_N	5.318839e-05	2.501810e-05	0
E37-39	6.534770e-09	1.929145e-09	0
E37-39	1.296887e-06	6.066403e-07	0
E37-39	1.074328e-06	5.030531e-07	0
E37-39	1.212330e-05	3.135806e-06	0
E37-39	3.053801e-07	1.429940e-07	0
E37-39	4.127743e-07	1.931760e-07	0
E37-39	2.879331e-06	4.909554e-08	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	5.873994e-06	5.933070e-07	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	1.585994e-05	1.752435e-06	0
E37-39	1.156691e-05	3.044941e-06	0
E37-39	3.959915e-05	5.588781e-06	0
E37-39	8.615549e-06	2.553406e-06	0
E37-39	9.308184e-05	1.987282e-07	0
E37-39	7.720226e-06	2.069839e-06	0
E37-39	2.458661e-06	3.827914e-07	0
E37-39	1.836325e-06	5.335602e-07	0

	R_S	6.870457e-04	8.803730e-07	0
	R_S	2.783077e-04	1.276717e-04	0
	R_S	7.897994e-03	1.118942e-04	0
	T	4.300918e-02	4.157782e-02	0
	U	0.000000e+00	0.000000e+00	0
CZ	A01	0.000000e+00	0.000000e+00	0
	A01	7.854421e-04	7.021998e-05	0
	A01	2.440963e-02	1.706351e-03	0
	A01	2.044929e-02	4.501273e-04	0
	A01	3.306296e-04	7.555122e-06	0
	A01	1.259000e-09	1.512654e-11	0
	A01	0.000000e+00	9.784115e-10	0
	A01	1.896950e-03	4.255450e-05	0
	A01	8.335747e-02	1.151808e-04	0
	A01	1.003699e-02	7.168537e-05	0
	A01	1.169059e-02	8.349590e-05	0
	A01	8.934962e-02	6.296676e-04	0
	A01	6.643323e-03	4.690789e-05	0
	A01	6.434693e-02	4.120213e-04	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	4.927091e-03	1.931790e-04	0
	A03	4.359460e-04	9.421281e-06	0
	B_nongas	1.462043e-03	1.357570e-04	0
	B_nongas	1.240014e-04	9.542599e-06	0
	B_gas	7.554233e-05	6.277204e-06	0
	B_gas	1.947233e-05	1.608955e-06	0
	B_nongas	3.366807e-05	1.849225e-06	0
	B_nongas	2.902649e-08	5.559596e-09	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	3.558133e-09	1.051898e-13	0
	B_nongas	1.508445e-07	3.327594e-10	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	1.737890e-13	0.000000e+00	0
	B_nongas	6.658833e-08	6.537090e-09	0
	B_nongas	2.044373e-04	7.053696e-06	0
	B_nongas	3.196021e-02	1.310153e-05	0
	B_nongas	3.074642e-03	1.415713e-03	0
	C10-12	3.511602e-03	5.089864e-04	0
	C10-12	3.296427e-03	4.678307e-04	0
	C10-12	4.399993e-04	2.509349e-05	0
	C10-12	2.358035e-02	3.434959e-03	0
	C10-12	3.552909e-04	5.167364e-05	0
	C10-12	2.541626e-01	4.166624e-04	0
	C10-12	4.433466e-08	1.996753e-09	0
	C10-12	1.223432e-02	8.440760e-04	0
	C10-12	1.620294e-01	9.026764e-03	0

C10-12	3.183783e-02	3.948292e-03	0
C10-12	7.668470e-04	1.315198e-05	0
C10-12	3.917794e-03	4.843229e-05	0
C13-15	1.633886e-01	2.237175e-02	0
C13-15	1.596539e-02	4.594371e-04	0
C13-15	1.213172e-02	1.580512e-04	0
C16	2.043369e-02	1.107551e-04	0
C16	9.226252e-04	4.728698e-06	0
C17	2.822050e-03	4.948155e-04	0
C17	1.154706e-03	2.187557e-04	0
C17	6.172702e-01	4.843833e-05	0
C18	1.831885e-01	7.508669e-05	0
C19	4.731267e-05	3.369287e-06	0
C19	1.117228e-01	2.167493e-02	0
C24	1.979649e-02	1.811930e-07	0
C20-21	2.769021e-04	1.469508e-04	0
C20-21	8.813375e-03	4.685671e-03	0
C20-21	5.567562e-04	5.914798e-05	0
C20-21	1.226440e-03	1.312134e-04	0
C20-21	9.288018e-03	1.007586e-03	0
C22	7.117611e-01	6.843654e-03	0
C23	3.675068e-02	1.551874e-03	0
C23	3.160282e-03	1.835902e-04	0
C23	1.774513e-02	3.199560e-04	0
C23	6.690905e-04	5.340989e-05	0
C23	2.892112e-03	2.798341e-04	0
C23	5.415124e-04	4.431951e-05	0
C23	3.385516e-03	2.609515e-04	0
C24	1.494568e-01	2.878094e-02	0
C24	4.054219e-02	7.811886e-03	0
C24	2.318146e-03	7.668965e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	2.114196e-03	1.674331e-04	0
C24	4.451175e-03	3.188843e-04	0
C24	3.765654e-03	7.340231e-05	0
C24	3.525775e-03	6.481139e-05	0
C24	1.603287e-03	6.356392e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	2.196435e-03	2.597152e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	4.507542e-03	4.148563e-04	0
C25_33	1.518138e-01	2.295899e-02	0
C25	2.492872e-01	1.236766e-02	0
C26	9.968800e-01	2.308515e-04	0
C27	7.665440e-01	5.644701e-02	0
C27	3.586767e-01	2.061496e-02	0
C28_32	1.134801e-01	9.123954e-04	0
C29	2.384434e+00	1.302230e+00	0

C30	5.442644e-02	8.980078e-02	0
C31	1.009382e-02	1.425491e-03	0
E37-39	1.091306e-03	1.313915e-04	0
E37-39	0.000000e+00	0.000000e+00	0
D35	1.020312e-03	4.410590e-05	0
D35	9.428167e-04	4.334050e-04	0
D35	5.530877e-04	2.663069e-05	0
D35	4.158968e-05	2.003827e-06	0
D35	2.294336e-06	1.059963e-07	0
D35	1.552560e-06	7.396003e-08	0
D35	3.198719e-05	1.541191e-06	0
D35	1.256022e-08	8.048896e-10	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	8.553884e-05	4.120991e-06	0
D35	4.231290e-04	2.037330e-05	0
D35	1.365612e-03	5.096395e-05	0
D35	4.692750e-04	1.807820e-05	0
D35	2.134117e-03	7.828800e-05	0
E36	1.150601e-04	2.551335e-06	0
F	3.211274e-02	7.374469e-04	0
F	2.500452e-05	7.329050e-07	0
G45	1.465735e-02	1.209120e-03	0
G47	1.230793e-03	3.016233e-04	0
G46	1.391564e-01	5.511039e-03	0
G47	3.883507e-02	1.845127e-03	0
I	3.504013e-01	8.296357e-05	0
H49	2.464381e-01	5.910025e-04	0
H49	2.091073e-01	1.337187e-02	0
H49	1.103169e-03	9.769958e-04	0
H50	5.912906e-04	2.246859e-04	0
H50	1.288554e-05	4.353094e-07	0
H51	3.457915e-01	1.229612e-01	0
H52	2.176079e-01	3.914641e-02	0
H53	1.566035e-02	3.020712e-04	0
K64	2.726965e-02	1.126895e-03	0
K65	1.425025e-06	6.157226e-07	0
K66	3.424485e-05	1.817132e-05	0
L68	1.185399e-02	7.401657e-05	0
M_N	1.145680e-03	4.219738e-05	0
J62_63	6.971075e-02	1.144183e-05	0
M_N	3.711715e-03	4.979702e-05	0
M_N	4.157690e-02	1.897843e-03	0
O84	5.288734e-03	4.573475e-05	0
P85	2.226011e-02	3.530290e-06	0
M_N	4.307683e-03	8.413448e-05	0
E37-39	5.434372e-05	2.928424e-06	0

	E37-39	4.128924e-05	2.345325e-06	0
	E37-39	8.266661e-06	4.071470e-07	0
	E37-39	7.351890e-05	4.039632e-06	0
	E37-39	8.676942e-06	4.281758e-07	0
	E37-39	1.166611e-05	5.762467e-07	0
	E37-39	6.567484e-05	3.522536e-06	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	3.191159e-04	1.757784e-05	0
	E37-39	5.604839e-05	3.092994e-06	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	1.221875e-04	8.661745e-06	0
	E37-39	2.290638e-04	1.841409e-05	0
	E37-39	3.152924e-04	1.751032e-05	0
	E37-39	2.143848e-04	1.200050e-05	0
	E37-39	2.108299e-04	1.397785e-06	0
	E37-39	1.509613e-04	8.448348e-06	0
	E37-39	4.428459e-05	2.511851e-06	0
	E37-39	5.706079e-05	3.196881e-06	0
	R_S	1.212137e-03	1.826246e-05	0
	R_S	7.581525e-03	1.677581e-05	0
	R_S	2.187893e-03	5.258338e-06	0
	T	1.430153e-02	1.382557e-02	0
	U	0.000000e+00	0.000000e+00	0
DE	A01	0.000000e+00	0.000000e+00	0
	A01	2.310611e+00	2.219199e-01	0
	A01	1.595886e+00	1.073831e-01	0
	A01	2.328286e-01	5.124924e-03	0
	A01	1.462880e-01	3.342739e-03	0
	A01	5.760136e-07	4.338716e-11	0
	A01	0.000000e+00	0.000000e+00	0
	A01	1.089673e+00	4.268825e-03	0
	A01	1.546880e+00	2.000636e-03	0
	A01	2.344885e-01	1.653183e-03	0
	A01	2.821590e-02	1.970081e-04	0
	A01	5.363064e-02	1.298026e-03	0
	A01	5.222889e-03	4.035988e-04	0
	A01	7.637881e-01	5.432726e-03	0
	A01	2.635118e-08	1.984854e-12	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	1.929413e-02	1.758505e-06	0
	A03	6.315075e-09	1.826668e-09	0
	B_nongas	1.570211e-03	6.022300e-04	0
	B_nongas	1.064337e-03	2.018807e-04	0
	B_gas	6.765182e-03	1.284658e-03	0
	B_gas	3.963356e-06	6.507669e-07	0
	B_nongas	1.006692e-04	2.618413e-06	0

B_nongas	3.474378e-04	1.435550e-06	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	7.759746e-05	7.956478e-06	0
B_nongas	6.028654e-06	2.054693e-08	0
B_nongas	2.619658e-02	1.328526e-04	0
B_nongas	8.309081e-02	1.371058e-04	0
B_nongas	6.635931e-02	3.087861e-02	0
C10-12	4.664986e-02	6.879662e-03	0
C10-12	7.602895e-02	1.128256e-02	0
C10-12	8.738290e-03	6.763267e-04	0
C10-12	5.243684e-01	7.745914e-02	0
C10-12	9.014790e-02	1.033280e-02	0
C10-12	2.895267e+00	3.207257e-03	0
C10-12	8.833704e-04	1.073931e-04	0
C10-12	2.898539e-01	9.820315e-03	0
C10-12	1.488681e+00	1.712273e-01	0
C10-12	5.714405e-01	6.096054e-02	0
C10-12	3.561815e-02	2.133250e-05	0
C10-12	7.534065e-01	9.133125e-03	0
C13-15	1.608398e+00	2.322825e-01	0
C13-15	2.238489e-01	3.440899e-04	0
C13-15	1.653048e-01	2.120847e-05	0
C16	7.025743e-01	5.317832e-04	0
C16	1.256833e-01	1.861052e-04	0
C17	8.550545e-03	3.190098e-03	0
C17	4.226531e-02	1.381854e-02	0
C17	7.329468e+00	5.798470e-04	0
C18	9.316676e-01	9.433094e-05	0
C19	7.484805e-04	2.032278e-04	0
C19	6.938639e-01	1.335992e-01	0
C24	1.270309e-02	2.917168e-06	0
C20-21	1.263281e+00	4.272839e-01	0
C20-21	1.786069e-01	6.164445e-02	0
C20-21	2.582705e-04	7.882342e-06	0
C20-21	3.107159e-03	1.214376e-04	0
C20-21	5.350841e-02	4.153260e-03	0
C22	9.947603e+00	7.140583e-02	0
C23	5.802420e-02	1.636375e-03	0
C23	2.069452e-02	6.468384e-04	0
C23	1.785900e-01	7.830408e-04	0
C23	3.356872e-03	3.235174e-04	0
C23	2.100107e-02	1.410855e-03	0
C23	3.765125e-03	3.484868e-04	0
C23	9.985375e-03	7.488061e-04	0
C24	3.637087e-01	6.825832e-02	0

C24	1.398835e-01	2.644150e-02	0
C24	3.487884e-01	1.849755e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	2.097840e-02	7.154229e-04	0
C24	3.116552e-02	9.638617e-04	0
C24	2.388556e-01	3.845229e-04	0
C24	7.479013e-02	1.723925e-04	0
C24	3.171124e-01	2.182549e-03	0
C24	2.647163e-04	2.233792e-06	0
C24	2.111020e-01	2.080591e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	1.477517e-02	2.213457e-03	0
C25_33	1.789510e+00	2.269438e-01	0
C25	5.522383e+00	2.161208e-01	0
C26	7.796723e-01	1.270303e-03	0
C27	9.699280e+00	8.663376e-01	0
C27	1.344485e+00	5.289564e-02	0
C28_32	2.710544e+00	5.093123e-02	0
C29	1.521614e+01	8.866289e+00	0
C30	4.720225e+00	9.974051e+00	0
C31	4.577651e-02	6.493019e-03	0
E37-39	5.078445e-03	5.376818e-05	0
E37-39	1.228978e-02	1.022256e-03	0
D35	2.923560e-02	1.254687e-03	0
D35	7.670434e-03	2.678882e-04	0
D35	8.398301e-03	3.004421e-04	0
D35	1.488217e-03	7.566630e-05	0
D35	2.414840e-03	8.365619e-05	0
D35	7.358574e-04	2.555703e-05	0
D35	1.551980e-03	5.667016e-05	0
D35	1.744785e-04	1.039463e-05	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	8.122710e-04	4.242659e-05	0
D35	1.851037e-02	7.942138e-04	0
D35	5.825304e-02	2.471157e-03	0
D35	2.629062e-02	1.118649e-03	0
D35	4.781934e-03	1.832121e-04	0
E36	3.341561e-02	2.098150e-03	0
F	1.254804e+00	4.901582e-03	0
F	2.733160e-03	1.586093e-05	0
G45	1.294993e+00	1.268093e-03	0
G47	4.467791e-04	4.244899e-03	0
G46	1.134984e+00	2.555695e-01	0
G47	5.422290e-01	1.836197e-01	0
I	1.039671e+00	3.621272e-04	0
H49	4.051900e-01	1.139703e-03	0

	H49	3.347378e-01	2.280997e-02	0
	H49	1.103007e-03	3.173814e-03	0
	H50	4.578832e-01	2.253356e-01	0
	H50	1.260684e-02	1.894266e-04	0
	H51	7.104457e+00	2.538559e+00	0
	H52	4.232188e-01	9.021254e-03	0
	H53	5.581562e-01	5.143032e-03	0
	K64	2.100892e+00	8.723952e-02	0
	K65	5.082027e-03	4.436459e-07	0
	K66	4.377718e-03	2.089128e-04	0
	L68	9.720056e-04	2.055704e-05	0
	M_N	4.047961e-05	1.517953e-06	0
	J62_63	1.622762e+00	1.172677e-04	0
	M_N	7.671266e-02	2.791322e-05	0
	M_N	3.058332e-01	2.685082e-05	0
	O84	7.119216e-03	5.018659e-07	0
	P85	5.435128e-03	1.305204e-06	0
	M_N	8.407029e-03	1.072142e-05	0
	E37-39	3.961168e-04	1.489657e-05	0
	E37-39	4.504520e-04	1.693644e-05	0
	E37-39	2.695414e-04	9.977167e-06	0
	E37-39	1.838538e-03	4.484996e-05	0
	E37-39	6.647917e-05	2.142023e-06	0
	E37-39	2.938251e-04	9.939599e-06	0
	E37-39	9.737589e-04	3.685815e-05	0
	E37-39	2.792437e-05	1.050397e-06	0
	E37-39	4.043293e-06	1.546443e-07	0
	E37-39	1.059209e-03	4.535282e-05	0
	E37-39	5.983375e-04	1.559497e-05	0
	E37-39	3.395207e-06	3.347228e-08	0
	E37-39	3.289374e-04	2.984750e-05	0
	E37-39	2.682007e-03	2.376587e-04	0
	E37-39	5.191512e-05	2.033775e-07	0
	E37-39	2.681111e-05	7.946707e-07	0
	E37-39	4.379676e-04	1.483044e-07	0
	E37-39	3.441045e-04	8.756712e-06	0
	E37-39	3.363613e-05	2.120726e-08	0
	E37-39	8.946431e-06	3.493514e-07	0
	R_S	3.531158e-02	5.763217e-06	0
	R_S	4.212551e-03	4.454288e-06	0
	R_S	4.663804e-01	6.627120e-06	0
	T	2.478873e+00	2.396375e+00	0
	U	0.000000e+00	0.000000e+00	0
DK	A01	0.000000e+00	0.000000e+00	0
	A01	1.701336e-02	4.786645e-05	0
	A01	2.019865e-01	1.388387e-02	0
	A01	1.256654e-01	2.766134e-03	0
	A01	2.586015e-02	5.909307e-04	0

A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A01	2.184713e-01	8.884906e-03	0
A01	2.273887e-05	1.405645e-09	0
A01	1.543903e-01	1.105059e-03	0
A01	1.693184e-02	1.212213e-04	0
A01	7.922550e-02	7.179171e-03	0
A01	1.502061e-03	1.486258e-04	0
A01	1.166117e-01	8.350052e-04	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A02	8.539261e-02	2.402568e-04	0
A03	1.489282e-06	1.745068e-08	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	7.823681e-05	4.556955e-09	0
B_gas	1.068886e-05	1.388389e-09	0
B_gas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	1.005878e-04	6.192254e-07	0
B_nongas	3.777406e-03	1.169141e-05	0
B_nongas	9.743676e-04	4.494773e-04	0
C10-12	1.050584e-01	1.509278e-02	0
C10-12	3.474647e-02	4.154595e-03	0
C10-12	5.991116e-03	3.305204e-04	0
C10-12	4.953317e-01	7.169842e-02	0
C10-12	5.719061e-02	7.894560e-03	0
C10-12	1.861363e+00	2.335964e-03	0
C10-12	2.912494e-05	2.200338e-08	0
C10-12	3.219986e-02	4.014189e-03	0
C10-12	9.638218e-01	1.132048e-01	0
C10-12	1.213173e-01	1.434526e-02	0
C10-12	9.085934e-02	9.573763e-05	0
C10-12	5.413083e-02	9.001065e-04	0
C13-15	1.282321e-01	1.835832e-02	0
C13-15	1.080576e-02	2.497208e-04	0
C13-15	3.840165e-03	1.863351e-07	0
C16	1.096316e-02	1.260921e-04	0
C16	1.012553e-02	1.166401e-04	0
C17	7.982071e-05	4.260580e-06	0
C17	3.671472e-04	1.960297e-05	0

C17	1.895680e-01	7.540877e-05	0
C18	4.604969e-02	5.010497e-05	0
C19	0.000000e+00	0.000000e+00	0
C19	2.162124e-01	3.564164e-02	0
C24	0.000000e+00	0.000000e+00	0
C20-21	1.527497e-02	7.214409e-04	0
C20-21	1.353742e-01	2.638827e-03	0
C20-21	5.841193e-04	8.257274e-06	0
C20-21	2.282738e-03	3.197707e-05	0
C20-21	1.395035e-02	2.696122e-04	0
C22	3.454638e-01	2.495511e-03	0
C23	2.639144e-03	1.308713e-04	0
C23	1.044326e-03	5.311671e-05	0
C23	1.482517e-02	9.501056e-05	0
C23	2.951500e-03	2.650465e-04	0
C23	1.510500e-03	1.366837e-04	0
C23	3.823732e-04	3.462434e-05	0
C23	2.255560e-03	2.015921e-04	0
C24	1.908293e-02	2.686804e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	2.615548e-01	1.046728e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	1.942169e-03	1.841432e-04	0
C24	6.634371e-03	5.736194e-04	0
C24	2.168201e-03	1.941248e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	1.760628e-03	9.647785e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	1.076502e-03	6.321219e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	0.000000e+00	0.000000e+00	0
C25_33	1.945253e-01	1.408061e-02	0
C25	2.682100e-01	2.216584e-03	0
C26	1.129301e-02	5.685498e-05	0
C27	2.198116e-01	1.535440e-02	0
C27	5.360970e-02	2.011570e-03	0
C28_32	1.196987e-01	1.459736e-03	0
C29	6.618859e-02	3.931115e-02	0
C30	4.986207e-02	9.821661e-02	0
C31	1.124234e-02	1.789319e-03	0
E37-39	3.804137e-07	3.715587e-10	0
E37-39	1.950741e-02	1.504794e-06	0
D35	2.506005e-05	2.053214e-09	0
D35	6.613894e-06	4.981794e-10	0
D35	0.000000e+00	0.000000e+00	0
D35	4.967172e-08	1.628731e-09	0
D35	8.768458e-06	7.184149e-10	0
D35	1.355152e-06	1.110299e-10	0

D35	2.766975e-06	2.267030e-10	0
D35	2.399087e-09	1.807068e-13	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	1.163489e-05	8.763764e-10	0
D35	5.937570e-05	4.864754e-09	0
D35	6.125727e-05	5.018914e-09	0
D35	5.883537e-05	4.431666e-09	0
E36	0.000000e+00	0.000000e+00	0
F	3.118825e-01	2.467403e-02	0
F	0.000000e+00	0.000000e+00	0
G45	2.795671e-01	1.179940e-04	0
G47	3.385407e-05	1.246870e-04	0
G46	2.104349e-01	6.426081e-02	0
G47	8.128725e-02	3.624475e-02	0
I	1.955736e-01	2.016330e-05	0
H49	6.039012e-02	2.869907e-06	0
H49	2.696987e-01	1.644173e-02	0
H49	9.505594e-05	5.556643e-03	0
H50	8.696952e-02	4.145800e-02	0
H50	5.230786e-02	4.489054e-04	0
H51	1.081183e-01	3.869291e-02	0
H52	1.149106e-01	3.396266e-05	0
H53	1.870121e-01	1.267911e-05	0
K64	8.907224e-01	3.680130e-02	0
K65	2.032895e-03	1.530503e-07	0
K66	3.884484e-03	3.673823e-05	0
L68	4.301930e-02	4.111638e-02	0
M_N	6.878694e-04	3.967720e-06	0
J62_63	2.759103e-01	5.700115e-05	0
M_N	6.206253e-03	2.469420e-03	0
M_N	4.685162e-02	1.272399e-03	0
O84	4.337903e-02	4.120541e-02	0
P85	5.578381e-06	3.343648e-07	0
M_N	2.963211e-02	2.835579e-02	0
E37-39	2.258858e-04	2.277992e-06	0
E37-39	1.997162e-04	2.238900e-06	0
E37-39	2.254339e-05	7.230198e-11	0
E37-39	2.484782e-05	6.133129e-07	0
E37-39	5.636305e-05	5.149593e-07	0
E37-39	7.468163e-05	9.189142e-07	0
E37-39	2.018403e-04	3.570974e-06	0
E37-39	2.864538e-07	3.715272e-11	0
E37-39	3.992485e-08	5.178204e-12	0
E37-39	7.515000e-05	5.286632e-10	0
E37-39	1.087069e-05	1.134455e-07	0

	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	1.030620e-05	1.119254e-05	0
	E37-39	3.536264e-05	4.441210e-05	0
	E37-39	1.290957e-07	9.125078e-10	0
	E37-39	9.837128e-08	7.252644e-10	0
	E37-39	2.713454e-06	4.245219e-13	0
	E37-39	6.411700e-05	7.680509e-07	0
	E37-39	2.635663e-08	1.058078e-12	0
	E37-39	3.066398e-08	1.276010e-12	0
	R_S	2.667031e-02	4.195672e-06	0
	R_S	2.489370e-03	1.467116e-03	0
	R_S	4.081371e-02	5.801153e-07	0
	T	6.895266e-02	6.665790e-02	0
	U	0.000000e+00	0.000000e+00	0
EE	A01	0.000000e+00	0.000000e+00	0
	A01	1.835838e-05	5.139302e-08	0
	A01	4.988388e-01	3.491224e-02	0
	A01	1.834405e-02	4.067644e-04	0
	A01	5.417727e-06	4.363891e-10	0
	A01	0.000000e+00	0.000000e+00	0
	A01	7.065196e-07	5.690822e-11	0
	A01	8.163628e-04	2.912614e-06	0
	A01	5.506702e-03	1.669345e-09	0
	A01	1.599189e-06	1.161968e-10	0
	A01	7.656343e-07	5.640131e-11	0
	A01	1.104580e-05	1.787866e-07	0
	A01	4.860962e-05	3.582314e-07	0
	A01	1.135419e-03	6.527662e-10	0
	A01	5.067289e-10	4.952697e-14	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	3.867943e-04	3.482244e-06	0
	A03	6.109248e-05	3.233117e-06	0
	B_nongas	6.680777e-05	1.929065e-04	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_gas	7.134584e-04	1.158044e-04	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	6.172830e-06	6.132196e-07	0
	B_nongas	2.480421e-06	2.778739e-07	0
	B_nongas	2.626696e-06	3.087565e-07	0

C10-12	7.063669e-06	9.644487e-07	0
C10-12	6.327558e-06	1.185046e-06	0
C10-12	5.505751e-07	1.057191e-07	0
C10-12	7.832937e-04	1.146570e-04	0
C10-12	1.387217e-03	4.186654e-06	0
C10-12	1.154827e-02	3.620830e-06	0
C10-12	5.014766e-07	7.588779e-08	0
C10-12	4.172772e-08	2.195596e-09	0
C10-12	4.011501e-03	6.859251e-05	0
C10-12	5.468369e-03	3.170668e-04	0
C10-12	3.503221e-04	6.628276e-07	0
C10-12	0.000000e+00	0.000000e+00	0
C13-15	1.390188e-02	2.046419e-03	0
C13-15	1.003526e-03	7.281549e-05	0
C13-15	2.024464e-04	4.790914e-05	0
C16	2.547466e-02	3.114935e-06	0
C16	1.412892e-02	2.968358e-06	0
C17	5.959202e-04	3.189466e-04	0
C17	6.127586e-05	3.342853e-05	0
C17	3.692524e-01	2.547425e-06	0
C18	6.192691e-02	1.339214e-05	0
C19	1.574280e-06	1.223367e-07	0
C19	2.254798e-01	2.196856e-02	0
C24	1.812976e-09	1.036985e-09	0
C20-21	2.508269e-04	2.507236e-05	0
C20-21	1.945753e-03	3.931771e-04	0
C20-21	2.132362e-05	1.484604e-06	0
C20-21	2.747023e-03	3.244125e-04	0
C20-21	9.490763e-04	8.541634e-05	0
C22	3.090378e-02	2.914878e-04	0
C23	1.801461e-04	4.623342e-06	0
C23	8.245463e-06	2.646135e-07	0
C23	4.777759e-04	8.470627e-07	0
C23	1.002604e-06	7.789729e-08	0
C23	5.342640e-05	3.446211e-06	0
C23	2.167024e-05	1.725951e-06	0
C23	1.044155e-05	8.722693e-07	0
C24	4.314023e-03	8.340560e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	3.143105e-06	1.312312e-07	0
C24	0.000000e+00	0.000000e+00	0
C24	3.780182e-05	1.966569e-07	0
C24	0.000000e+00	0.000000e+00	0
C24	1.753022e-06	5.396478e-08	0
C24	8.116620e-07	3.276401e-08	0
C24	8.437801e-06	1.510716e-07	0
C24	0.000000e+00	0.000000e+00	0
C24	4.193242e-06	8.750903e-08	0

C24	0.000000e+00	0.000000e+00	0
C24	7.682075e-07	2.307192e-08	0
C25_33	4.361195e-03	4.915156e-04	0
C25	4.572668e-03	2.980368e-04	0
C26	4.205939e-03	1.297932e-06	0
C27	8.276180e-02	6.393389e-03	0
C27	6.893608e-02	2.952190e-03	0
C28_32	4.513867e-03	2.076112e-05	0
C29	6.253977e-03	3.322035e-03	0
C30	1.682166e-02	3.646526e-02	0
C31	6.197165e-04	3.192416e-05	0
E37-39	6.830230e-06	3.367949e-07	0
E37-39	1.953798e-03	9.405606e-06	0
D35	1.482738e-04	9.273310e-06	0
D35	3.201147e-06	2.095147e-07	0
D35	0.000000e+00	0.000000e+00	0
D35	2.324486e-07	1.577169e-08	0
D35	8.395931e-07	5.400522e-08	0
D35	2.857245e-07	1.812549e-08	0
D35	2.237535e-07	1.510425e-08	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	2.763884e-06	1.771784e-07	0
D35	6.132393e-05	3.895896e-06	0
D35	4.408512e-05	2.794352e-06	0
D35	2.709977e-05	1.735358e-06	0
D35	1.679428e-04	1.149845e-05	0
E36	1.148807e-06	2.201376e-08	0
F	4.690017e-03	7.634809e-04	0
F	0.000000e+00	0.000000e+00	0
G45	7.602559e-04	1.899425e-06	0
G47	3.132218e-05	2.073311e-05	0
G46	3.526190e-02	1.467210e-03	0
G47	1.592466e-03	1.337002e-04	0
I	3.682632e-03	2.875295e-06	0
H49	6.670821e-04	8.457099e-07	0
H49	9.684062e-04	5.970017e-05	0
H49	1.711348e-06	6.524926e-05	0
H50	4.110745e-04	2.127057e-04	0
H50	1.638630e-04	2.610620e-06	0
H51	4.077923e-03	1.462171e-03	0
H52	7.374789e-04	2.695562e-06	0
H53	2.067165e-02	2.993630e-06	0
K64	6.157062e-04	2.202119e-05	0
K65	2.875717e-05	2.166918e-09	0
K66	7.755949e-06	1.078178e-06	0

	L68	1.658406e-05	8.594038e-07	0
	M_N	1.715180e-04	1.018725e-05	0
	J62_63	5.793441e-03	2.627371e-05	0
	M_N	3.773224e-04	1.572275e-07	0
	M_N	1.758198e-04	2.330366e-06	0
	084	2.300942e-04	3.912022e-08	0
	P85	7.199974e-05	4.399704e-06	0
	M_N	2.275239e-05	4.067691e-07	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	3.498853e-08	9.071427e-09	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	2.777203e-07	6.048439e-09	0
	E37-39	7.460265e-07	2.869827e-08	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	1.841911e-07	1.193406e-08	0
	E37-39	6.009924e-07	4.918412e-08	0
	E37-39	1.190765e-06	1.303253e-08	0
	E37-39	1.992469e-07	1.868631e-07	0
	E37-39	3.522172e-07	3.452239e-07	0
	E37-39	3.334034e-07	4.817680e-08	0
	E37-39	2.312035e-07	3.431219e-08	0
	E37-39	7.431085e-05	3.892954e-09	0
	E37-39	5.247056e-07	3.176161e-08	0
	E37-39	1.049526e-07	6.463460e-09	0
	E37-39	1.219359e-07	7.986588e-09	0
	R_S	8.861427e-05	1.685107e-07	0
	R_S	2.953630e-05	3.507470e-07	0
	R_S	2.237253e-04	8.429589e-07	0
	T	4.547100e-04	4.395771e-04	0
	U	0.000000e+00	0.000000e+00	0
ES	A01	2.351471e-08	1.869161e-12	0
	A01	1.608966e-02	1.957026e-04	0
	A01	6.697195e-02	2.415521e-03	0
	A01	1.317079e+00	2.914049e-02	0
	A01	5.169712e-02	1.181287e-03	0
	A01	1.895327e-07	1.792823e-11	0
	A01	1.129812e-07	3.654508e-09	0
	A01	1.780146e+00	5.026697e-03	0
	A01	8.294211e+00	8.267024e-04	0
	A01	2.811220e-01	1.980337e-03	0
	A01	2.316281e-01	1.632329e-03	0
	A01	2.572057e-01	9.928300e-04	0
	A01	3.624125e-02	4.102470e-05	0
	A01	1.273941e+00	3.198216e-03	0
	A01	2.416081e-10	1.101560e-13	0

A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A02	5.052945e-01	1.539952e-03	0
A03	2.234118e-02	3.773874e-04	0
B_nongas	2.180578e-03	5.323203e-04	0
B_nongas	2.105185e-04	3.179718e-05	0
B_gas	2.138044e-05	3.238060e-06	0
B_gas	0.000000e+00	0.000000e+00	0
B_nongas	8.730174e-04	1.149726e-04	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	2.823504e-04	3.516169e-05	0
B_nongas	2.140397e-05	2.213567e-06	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	1.612492e-02	2.790976e-06	0
B_nongas	7.907023e-01	6.416212e-05	0
B_nongas	1.440646e-01	8.632710e-05	0
B_nongas	3.497260e-01	1.640422e-01	0
C10-12	3.753610e-02	5.377056e-03	0
C10-12	3.950891e-02	5.874528e-03	0
C10-12	7.373863e-03	7.335849e-04	0
C10-12	9.004847e-02	1.185734e-03	0
C10-12	2.614906e-01	7.501937e-03	0
C10-12	2.881516e-01	6.694548e-04	0
C10-12	2.119014e-02	2.497973e-03	0
C10-12	1.934807e-02	2.648103e-03	0
C10-12	1.381022e+00	1.752237e-01	0
C10-12	5.520606e-01	7.532999e-02	0
C10-12	1.545585e-01	3.879138e-04	0
C10-12	2.116791e-03	2.720138e-05	0
C13-15	1.522596e+00	2.039799e-01	0
C13-15	8.351027e-01	3.154431e-03	0
C13-15	2.573399e-01	7.440074e-04	0
C16	1.732310e-01	9.559158e-04	0
C16	5.803405e-02	3.246893e-04	0
C17	5.163910e-03	2.609105e-03	0
C17	2.092645e-02	1.084679e-02	0
C17	3.902821e+00	6.582379e-04	0
C18	4.717026e-01	8.510067e-04	0
C19	1.771689e-02	1.186698e-05	0
C19	1.214708e+00	2.362840e-01	0
C24	1.157213e-03	8.890401e-05	0
C20-21	5.396622e-01	2.200100e-01	0
C20-21	1.069144e-01	4.479011e-02	0
C20-21	1.631343e-04	3.075654e-06	0
C20-21	2.872908e-03	1.864984e-04	0
C20-21	2.636494e-02	1.681332e-03	0

C22	1.745574e+00	2.635501e-02	0
C23	2.786799e-02	9.961581e-04	0
C23	1.370058e-02	4.928280e-04	0
C23	5.875435e-01	2.277597e-03	0
C23	3.110291e-03	4.709243e-04	0
C23	5.064199e-02	5.189030e-03	0
C23	3.117164e-02	3.280560e-03	0
C23	1.024931e-02	1.226725e-03	0
C24	1.455482e-01	2.776737e-02	0
C24	3.980453e-01	7.688262e-02	0
C24	2.245959e-03	1.242460e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	1.400277e-02	1.560716e-03	0
C24	8.190355e-03	5.546467e-04	0
C24	7.361799e-01	4.151399e-04	0
C24	2.422866e-01	1.164722e-04	0
C24	5.371595e-01	1.903434e-03	0
C24	2.535613e-05	1.412009e-08	0
C24	1.362010e-02	9.301260e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	7.501947e-03	2.074648e-03	0
C25_33	1.323283e+00	2.209988e-01	0
C25	1.814251e+00	1.229803e-01	0
C26	5.510856e-02	9.298315e-05	0
C27	3.679945e+00	2.879615e-01	0
C27	1.520783e-01	3.545617e-02	0
C28_32	1.598529e-01	9.997715e-04	0
C29	3.007937e+00	1.672049e+00	0
C30	1.329624e+00	2.707220e+00	0
C31	9.071338e-02	3.798742e-02	0
E37-39	2.083968e-05	5.893674e-09	0
E37-39	1.976201e-04	6.511680e-05	0
D35	4.956075e-03	4.165057e-04	0
D35	1.326551e-02	1.304583e-03	0
D35	3.141656e-03	2.850631e-04	0
D35	1.380446e-03	1.353879e-04	0
D35	1.260259e-03	8.905720e-05	0
D35	2.207894e-03	1.829266e-04	0
D35	1.676183e-04	1.251314e-05	0
D35	2.279563e-05	1.581678e-06	0
D35	3.416987e-07	2.424493e-08	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	8.725214e-05	8.434512e-06	0
D35	1.166858e-03	1.052639e-04	0
D35	3.304545e-02	2.523059e-03	0
D35	2.100169e-02	1.700117e-03	0
D35	2.709114e-04	2.977429e-05	0

E36	2.234238e-04	1.377209e-06	0
F	6.095669e-02	1.016038e-03	0
F	1.303907e-04	4.223505e-06	0
G45	4.919250e-02	2.853891e-04	0
G47	7.051399e-04	3.634450e-04	0
G46	8.841617e-01	1.890865e-02	0
G47	2.984064e-01	2.657277e-02	0
I	1.340776e+00	1.449327e-04	0
H49	1.935054e-01	4.489478e-04	0
H49	8.501603e-01	5.955391e-02	0
H49	2.124289e-03	8.384237e-03	0
H50	1.228044e-02	6.208938e-03	0
H50	1.039436e-03	9.403855e-06	0
H51	3.624708e-01	1.099884e-01	0
H52	4.831436e-01	1.213068e-04	0
H53	4.386123e-02	3.987781e-04	0
K64	9.343774e-02	3.889668e-03	0
K65	1.185436e-04	9.885733e-08	0
K66	3.281313e-05	1.354208e-05	0
L68	4.638866e-05	1.039498e-06	0
M_N	2.224229e-03	8.892279e-05	0
J62_63	5.969475e-02	1.307432e-05	0
M_N	4.475001e-03	1.587988e-06	0
M_N	2.799801e-02	2.663216e-05	0
O84	2.858288e-01	1.414186e-03	0
P85	5.277003e-03	3.416298e-05	0
M_N	2.073987e-03	1.486066e-04	0
E37-39	2.205608e-06	1.296750e-08	0
E37-39	2.060425e-06	1.415189e-08	0
E37-39	5.823771e-07	9.458878e-12	0
E37-39	2.183683e-06	2.767918e-08	0
E37-39	6.237472e-07	4.345138e-09	0
E37-39	8.198505e-07	7.576267e-09	0
E37-39	6.454776e-06	9.076745e-08	0
E37-39	6.719048e-06	5.613705e-10	0
E37-39	8.390923e-07	6.882435e-11	0
E37-39	4.210665e-06	1.976532e-10	0
E37-39	7.142704e-06	4.968166e-08	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	2.237726e-06	1.015798e-06	0
E37-39	5.154725e-06	3.168999e-06	0
E37-39	6.425098e-06	2.183613e-08	0
E37-39	5.167297e-06	1.812371e-08	0
E37-39	2.599853e-04	3.355419e-11	0
E37-39	1.086605e-05	6.523959e-08	0
E37-39	8.905023e-07	2.959736e-11	0
E37-39	1.292940e-06	4.035443e-11	0
R_S	1.282305e-03	3.939908e-06	0

	R_S	2.132121e-03	4.909737e-06	0
	R_S	6.987613e-03	8.611943e-05	0
	T	8.606906e-02	8.320466e-02	0
	U	0.000000e+00	0.000000e+00	0
FI	A01	0.000000e+00	0.000000e+00	0
	A01	3.855248e-05	8.798426e-07	0
	A01	1.009420e-02	6.965003e-04	0
	A01	4.928817e-05	1.385994e-06	0
	A01	7.151464e-06	2.011008e-07	0
	A01	5.784826e-06	1.626706e-07	0
	A01	0.000000e+00	0.000000e+00	0
	A01	1.291100e-03	4.304943e-06	0
	A01	5.506206e-04	4.829538e-06	0
	A01	3.517153e-04	3.844267e-06	0
	A01	1.705628e-04	1.930509e-06	0
	A01	1.223642e-03	3.046218e-07	0
	A01	9.828392e-05	2.703167e-08	0
	A01	9.681335e-04	1.031428e-05	0
	A01	3.080356e-10	4.572670e-11	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	4.566970e-05	1.070754e-06	0
	A03	6.890920e-10	1.993234e-10	0
	B_nongas	2.273359e-02	1.125087e-05	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	1.746938e-03	1.179356e-04	0
	B_nongas	3.625535e-05	2.449013e-06	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	6.764335e-05	4.548291e-06	0
	B_nongas	3.731839e-05	2.522017e-06	0
	B_nongas	7.537082e-05	5.099041e-06	0
	B_nongas	1.789614e-04	4.282708e-09	0
	B_nongas	2.468780e-03	1.479203e-04	0
	B_nongas	8.781246e-03	3.634698e-03	0
	C10-12	2.075125e-04	3.468499e-05	0
	C10-12	4.988642e-04	7.495235e-05	0
	C10-12	4.222373e-05	1.027682e-05	0
	C10-12	3.480982e-03	5.157921e-04	0
	C10-12	8.713656e-04	7.493059e-05	0
	C10-12	2.260808e-01	5.943474e-05	0
	C10-12	4.749619e-15	0.000000e+00	0
	C10-12	1.888654e-03	9.655961e-05	0
	C10-12	5.574569e-02	2.329277e-03	0
	C10-12	3.622706e-02	1.994730e-03	0

C10-12	1.758198e-04	3.804313e-05	0
C10-12	0.000000e+00	0.000000e+00	0
C13-15	4.234014e-02	6.159742e-03	0
C13-15	3.531330e-03	1.324937e-04	0
C13-15	2.746703e-03	1.611100e-05	0
C16	1.245186e+00	1.288507e-04	0
C16	0.000000e+00	0.000000e+00	0
C17	7.045687e-01	4.003549e-01	0
C17	0.000000e+00	0.000000e+00	0
C17	3.766503e+00	6.821836e-04	0
C18	3.407613e-01	1.763030e-03	0
C19	2.815999e-05	1.136424e-05	0
C19	9.519039e-03	1.902151e-03	0
C24	4.158120e-05	2.417199e-07	0
C20-21	5.441655e-02	2.295300e-02	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	1.140689e-05	1.094131e-06	0
C20-21	2.593643e-04	2.475018e-05	0
C20-21	2.239817e-03	1.120912e-04	0
C22	1.069324e-01	2.295138e-03	0
C23	1.413969e-03	1.464950e-04	0
C23	0.000000e+00	0.000000e+00	0
C23	1.788779e-03	2.204833e-05	0
C23	2.226769e-05	6.504842e-06	0
C23	8.026474e-04	2.263621e-04	0
C23	0.000000e+00	0.000000e+00	0
C23	4.196935e-04	1.185502e-04	0
C24	3.616638e-02	7.242321e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	2.581520e-05	8.872717e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	2.534452e-04	4.669100e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	1.184105e-01	1.189173e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	1.439881e-02	5.412409e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	3.939738e-03	3.463841e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	2.369846e-04	8.147095e-05	0
C25_33	6.070296e-02	5.316233e-03	0
C25	4.673883e-01	2.343834e-02	0
C26	1.022092e-02	1.265778e-06	0
C27	5.122663e-01	4.147949e-02	0
C27	1.538495e-01	5.639410e-03	0
C28_32	5.126743e-02	3.346333e-04	0
C29	3.457912e-02	1.589013e-02	0
C30	5.434269e-02	7.603255e-02	0

C31	9.928236e-03	9.616456e-04	0
E37-39	3.568655e-04	1.326010e-05	0
E37-39	0.000000e+00	0.000000e+00	0
D35	3.267544e-04	7.993943e-06	0
D35	9.498482e-04	4.885148e-05	0
D35	8.004207e-04	3.873647e-05	0
D35	5.454608e-04	2.653581e-05	0
D35	1.545272e-05	9.664756e-07	0
D35	1.930611e-05	9.838850e-07	0
D35	3.364400e-04	2.042565e-05	0
D35	1.223296e-06	8.494309e-08	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	3.929005e-05	2.170318e-06	0
D35	4.308235e-04	2.594270e-05	0
D35	1.864964e-03	1.098911e-04	0
D35	1.211824e-05	6.159153e-07	0
D35	1.291227e-03	5.649031e-05	0
E36	2.497250e-04	9.234914e-09	0
F	6.090897e-02	2.340030e-04	0
F	0.000000e+00	0.000000e+00	0
G45	7.887150e-02	3.904285e-05	0
G47	1.073083e-05	3.503187e-04	0
G46	5.226866e-02	1.660310e-02	0
G47	5.158718e-02	1.363124e-02	0
I	3.749271e-02	8.316007e-06	0
H49	4.094030e-02	2.961169e-06	0
H49	3.676654e-02	2.241133e-03	0
H49	8.571176e-06	6.454342e-04	0
H50	4.593921e-03	1.044883e-03	0
H50	1.948718e-04	1.051964e-05	0
H51	2.074320e-02	7.442106e-03	0
H52	3.733590e-02	3.037131e-05	0
H53	2.640525e-02	1.245870e-04	0
K64	7.025739e-02	2.917661e-03	0
K65	2.578890e-04	2.210715e-08	0
K66	1.174821e-05	5.185755e-06	0
L68	8.687947e-05	6.061905e-06	0
M_N	8.022938e-04	4.530230e-05	0
J62_63	1.353093e-01	2.501222e-04	0
M_N	2.223268e-03	1.197863e-05	0
M_N	2.115370e-02	1.396355e-04	0
O84	1.105523e-03	1.167524e-07	0
P85	1.378552e-04	9.315334e-08	0
M_N	1.114761e-04	9.744160e-06	0
E37-39	3.627818e-06	2.240641e-08	0
E37-39	2.922486e-06	2.028385e-08	0

	E37-39	4.761292e-07	8.092671e-10	0
	E37-39	1.055281e-04	8.314057e-07	0
	E37-39	8.261969e-07	6.079039e-09	0
	E37-39	3.862930e-06	3.222996e-08	0
	E37-39	7.286673e-05	8.076414e-07	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	4.750111e-06	3.852909e-09	0
	E37-39	4.962392e-06	3.041733e-08	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	4.734558e-06	8.372196e-07	0
	E37-39	1.013064e-05	2.672235e-06	0
	E37-39	3.805402e-05	1.930055e-07	0
	E37-39	3.742308e-05	1.857794e-07	0
	E37-39	4.835202e-04	1.949771e-08	0
	E37-39	1.166150e-04	6.328020e-07	0
	E37-39	2.575761e-06	1.010708e-08	0
	E37-39	2.798927e-06	9.762870e-09	0
	R_S	4.205185e-03	6.836016e-07	0
	R_S	1.926746e-03	9.495163e-05	0
	R_S	1.515146e-02	2.153155e-07	0
	T	3.264143e-02	3.155511e-02	0
	U	0.000000e+00	0.000000e+00	0
FR	A01	0.000000e+00	0.000000e+00	0
	A01	1.606075e+00	1.497222e-01	0
	A01	2.784346e+00	1.939610e-01	0
	A01	1.625434e+00	5.003503e-02	0
	A01	8.420412e-02	1.924149e-03	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	1.202515e-08	0
	A01	7.982960e-01	4.575564e-03	0
	A01	1.465844e+00	2.399148e-03	0
	A01	6.576174e-02	4.698512e-04	0
	A01	6.589663e-02	4.711270e-04	0
	A01	5.350244e-01	3.952064e-03	0
	A01	1.829167e-02	1.054445e-04	0
	A01	3.112317e-01	1.215378e-03	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	1.535477e-06	3.078119e-07	0
	A03	1.079137e-06	3.121460e-07	0
	B_nongas	1.586777e-03	4.636454e-04	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_gas	5.867980e-01	1.127411e-08	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0

B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	4.522866e-05	0.000000e+00	0
B_nongas	1.673165e-01	6.690263e-07	0
B_nongas	8.607069e-02	2.307969e-07	0
B_nongas	7.983497e-02	3.748888e-02	0
C10-12	4.705221e-02	4.877682e-03	0
C10-12	7.679810e-02	1.140050e-02	0
C10-12	4.640872e-01	5.691466e-04	0
C10-12	7.153851e-02	1.214727e-03	0
C10-12	3.639250e-02	3.915396e-03	0
C10-12	3.686782e+00	4.149427e-03	0
C10-12	3.864752e-03	2.866261e-04	0
C10-12	7.526208e-01	1.758003e-02	0
C10-12	2.096635e+00	2.002653e-01	0
C10-12	1.538747e+00	1.250851e-01	0
C10-12	3.128216e-02	1.121958e-06	0
C10-12	1.415791e-02	1.701034e-04	0
C13-15	1.145500e+00	1.694331e-01	0
C13-15	4.702107e-01	3.057262e-05	0
C13-15	3.782381e-01	1.332464e-05	0
C16	6.192304e-02	4.987731e-06	0
C16	3.811910e-02	3.070389e-06	0
C17	8.832516e-03	5.052339e-03	0
C17	1.372931e-02	7.853386e-03	0
C17	2.904767e+00	1.661111e-05	0
C18	7.609533e-01	1.160016e-05	0
C19	0.000000e+00	0.000000e+00	0
C19	1.189999e+00	2.151174e-01	0
C24	1.094150e-02	0.000000e+00	0
C20-21	4.069528e-01	2.172659e-01	0
C20-21	2.050116e-02	1.094526e-02	0
C20-21	2.941256e-04	9.182250e-07	0
C20-21	4.098924e-04	2.809449e-05	0
C20-21	3.218504e-02	1.433966e-03	0
C22	3.574774e+00	1.629277e-02	0
C23	5.324246e-02	1.120813e-03	0
C23	2.329868e-02	4.904632e-04	0
C23	4.439030e-02	7.150860e-05	0
C23	2.662824e-06	1.687938e-05	0
C23	2.132492e-05	5.719198e-06	0
C23	4.682923e-06	1.255928e-06	0
C23	2.444019e-05	1.139602e-05	0
C24	2.816981e-01	5.478344e-02	0
C24	1.260938e-01	2.452218e-02	0

[illegible]

	H49	1.569789e-04	5.062626e-02	0
	H50	3.862218e-01	2.004087e-01	0
	H50	1.483489e-02	1.274835e-04	0
	H51	2.135170e+00	7.660743e-01	0
	H52	7.736200e-01	2.840774e-05	0
	H53	1.542298e+00	1.036796e-04	0
	K64	4.057002e+00	1.689831e-01	0
	K65	5.960443e-06	0.000000e+00	0
	K66	4.643636e-04	4.523840e-04	0
	L68	7.485283e-04	3.601733e-05	0
	M_N	2.264567e-05	2.374807e-06	0
	J62_63	2.281816e+00	1.718736e-04	0
	M_N	1.063844e-01	1.520396e-03	0
	M_N	2.250691e-01	2.181516e-05	0
	O84	4.571271e-02	2.415801e-04	0
	P85	3.037368e-02	4.692144e-05	0
	M_N	4.093134e-02	1.187003e-03	0
	E37-39	1.057087e-04	1.112369e-06	0
	E37-39	9.838890e-05	1.140987e-06	0
	E37-39	2.158652e-05	0.000000e+00	0
	E37-39	1.411521e-04	3.718182e-06	0
	E37-39	2.679205e-05	2.509198e-07	0
	E37-39	4.064032e-05	5.114210e-07	0
	E37-39	2.854576e-04	5.121934e-06	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	6.890243e-05	0.000000e+00	0
	E37-39	8.827421e-05	9.461959e-07	0
	E37-39	1.174442e-06	1.206951e-08	0
	E37-39	2.074268e-05	2.545950e-05	0
	E37-39	5.342709e-05	7.208063e-05	0
	E37-39	2.295394e-05	2.815087e-07	0
	E37-39	1.813359e-05	2.219608e-07	0
	E37-39	4.240804e-03	0.000000e+00	0
	E37-39	1.646160e-04	2.086918e-06	0
	E37-39	3.078038e-06	0.000000e+00	0
	E37-39	1.090404e-05	0.000000e+00	0
	R_S	2.054592e-02	3.372646e-06	0
	R_S	2.094835e-03	1.306432e-05	0
	R_S	1.596065e-01	2.258301e-06	0
	T	3.599277e+00	3.479492e+00	0
	U	0.000000e+00	0.000000e+00	0
GR	A01	0.000000e+00	0.000000e+00	0
	A01	2.915550e-03	8.202791e-06	0
	A01	4.228264e-04	2.960585e-05	0
	A01	7.023267e-01	1.631942e-02	0
	A01	1.581971e-01	3.614963e-03	0
	A01	0.000000e+00	0.000000e+00	0

A01	0.000000e+00	4.370672e-06	0
A01	1.960854e-01	6.197652e-04	0
A01	2.738996e-05	1.215860e-07	0
A01	1.047403e-04	5.913855e-07	0
A01	2.316052e-05	1.028112e-07	0
A01	1.689810e-03	7.980579e-05	0
A01	1.733841e-04	9.954172e-06	0
A01	9.083739e-04	5.053258e-06	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A02	2.153299e-06	4.316646e-07	0
A03	4.812171e-07	1.391945e-07	0
B_nongas	7.749586e-05	9.246432e-05	0
B_nongas	6.268079e-05	1.680774e-10	0
B_gas	6.770183e-05	2.002079e-05	0
B_gas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	9.737875e-01	4.251025e-11	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	4.490006e-03	2.106950e-03	0
B_nongas	2.957673e-04	7.790607e-05	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	7.621100e-03	3.577081e-03	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	4.987134e-02	5.419292e-06	0
B_nongas	2.161845e-01	1.015151e-01	0
C10-12	1.295336e-03	1.922373e-04	0
C10-12	3.020060e-03	4.494707e-04	0
C10-12	1.275340e-03	2.121910e-04	0
C10-12	2.346113e-03	3.028769e-04	0
C10-12	4.969098e-02	2.737121e-03	0
C10-12	1.076634e-01	9.693932e-04	0
C10-12	6.132939e-03	6.267422e-04	0
C10-12	1.816064e-02	2.099192e-03	0
C10-12	2.781398e-01	3.932740e-02	0
C10-12	1.567627e-01	1.973208e-02	0
C10-12	5.883232e-03	1.455640e-04	0
C10-12	6.962330e-02	8.953342e-04	0
C13-15	2.587288e-01	3.443168e-02	0
C13-15	7.631404e-02	2.843648e-04	0
C13-15	1.387214e-02	5.762833e-06	0
C16	2.952942e-02	2.061287e-05	0
C16	4.217522e-03	4.276696e-06	0
C17	2.170328e-04	6.812462e-05	0
C17	2.464827e-03	7.056096e-04	0
C17	4.524998e-01	1.109984e-04	0

C18	1.701967e-01	3.202117e-05	0
C19	1.547325e-06	2.099092e-07	0
C19	1.133295e+01	1.905194e+00	0
C24	3.368724e-05	1.131843e-08	0
C20-21	8.389564e-03	2.632973e-03	0
C20-21	4.798998e-02	1.384693e-02	0
C20-21	2.400419e-04	2.946907e-05	0
C20-21	1.541399e-03	1.987671e-04	0
C20-21	9.198538e-03	1.222796e-03	0
C22	7.762649e-01	4.360776e-03	0
C23	9.171544e-04	1.977636e-05	0
C23	1.233504e-03	2.609486e-05	0
C23	5.279345e-03	1.352655e-05	0
C23	2.468191e-04	2.812158e-05	0
C23	1.249271e-03	1.157759e-04	0
C23	1.164531e-03	1.074785e-04	0
C23	4.305677e-04	6.269050e-05	0
C24	5.249118e-02	9.866040e-03	0
C24	1.950864e-01	3.652219e-02	0
C24	1.318045e-04	6.395441e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	2.427207e-02	7.000205e-04	0
C24	4.752710e-04	1.963923e-05	0
C24	3.630427e-04	3.497284e-06	0
C24	2.320607e-04	2.978257e-06	0
C24	4.497622e-02	3.980254e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	3.065741e-04	2.959531e-07	0
C24	0.000000e+00	0.000000e+00	0
C24	0.000000e+00	0.000000e+00	0
C25_33	2.551156e-01	2.338053e-02	0
C25	1.161557e-01	3.358038e-03	0
C26	2.040886e-03	1.689320e-05	0
C27	4.653937e-01	3.885449e-02	0
C27	1.488220e-02	8.295361e-04	0
C28_32	1.879534e-02	2.055118e-04	0
C29	7.851432e-02	4.139129e-02	0
C30	6.887368e-02	1.239258e-01	0
C31	1.636366e-02	2.297454e-03	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	2.125638e-03	3.416881e-04	0
D35	3.165581e-05	2.711155e-06	0
D35	5.618527e-05	1.590607e-06	0
D35	0.000000e+00	0.000000e+00	0
D35	4.877253e-06	6.039066e-08	0
D35	3.511488e-06	5.568555e-07	0
D35	7.052605e-06	2.951719e-07	0
D35	4.239094e-07	2.483940e-08	0

D35	1.023947e-08	9.059178e-10	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	1.422206e-05	6.120560e-07	0
D35	5.763909e-05	2.787772e-06	0
D35	5.628030e-06	2.747062e-07	0
D35	6.003548e-06	2.434502e-07	0
E36	1.616305e-04	8.779569e-06	0
F	2.284918e-02	4.958395e-07	0
F	0.000000e+00	0.000000e+00	0
G45	1.559547e-02	6.528766e-06	0
G47	3.222449e-04	1.123396e-04	0
G46	3.107372e-02	4.812012e-03	0
G47	6.014870e-03	2.563545e-03	0
I	5.370477e-01	5.534126e-05	0
H49	6.407698e-02	3.055076e-06	0
H49	4.423534e-02	2.672269e-03	0
H49	6.526514e-05	2.953710e-04	0
H50	7.439970e-02	5.809885e-02	0
H50	1.776345e-02	9.025221e-04	0
H51	3.614834e-01	1.295625e-01	0
H52	1.095080e-01	2.738589e-02	0
H53	7.312004e-02	2.429552e-05	0
K64	7.509655e-02	3.071330e-03	0
K65	1.822690e-06	1.001281e-09	0
K66	8.842457e-06	8.614341e-06	0
L68	3.326229e-05	1.537910e-06	0
M_N	1.854934e-07	1.781224e-08	0
J62_63	1.193482e-01	8.989344e-06	0
M_N	3.177071e-03	1.286056e-06	0
M_N	6.919359e-03	6.773404e-07	0
O84	8.634719e-02	1.390301e-06	0
P85	6.970776e-05	2.916418e-08	0
M_N	1.353036e-04	2.390672e-07	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	6.959370e-07	1.833215e-08	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	1.564991e-06	2.808046e-08	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	1.106864e-06	0.000000e+00	0
E37-39	5.152699e-07	5.523088e-09	0
E37-39	0.000000e+00	0.000000e+00	0

	E37-39	1.131138e-06	1.388355e-06	0
	E37-39	2.539072e-06	3.425564e-06	0
	E37-39	2.279069e-06	2.795066e-08	0
	E37-39	1.679583e-06	2.055863e-08	0
	E37-39	2.239927e-04	0.000000e+00	0
	E37-39	5.644012e-06	7.155191e-08	0
	E37-39	3.186400e-07	0.000000e+00	0
	E37-39	4.347365e-07	0.000000e+00	0
	R_S	4.271010e-03	7.022143e-07	0
	R_S	3.793827e-05	5.994131e-08	0
	R_S	7.409849e-03	1.048433e-07	0
	T	1.538693e-01	1.487485e-01	0
	U	0.000000e+00	0.000000e+00	0
HR	A01	5.092179e-07	8.944177e-08	0
	A01	3.704624e-02	3.532572e-03	0
	A01	8.101348e-02	5.662463e-03	0
	A01	2.252590e-02	4.957893e-04	0
	A01	2.781295e-06	8.767734e-08	0
	A01	5.202921e-08	4.566347e-10	0
	A01	1.753617e-05	2.412931e-06	0
	A01	2.845365e-02	1.765748e-04	0
	A01	1.846771e+00	2.763946e-05	0
	A01	8.511219e-07	4.103552e-09	0
	A01	1.676570e-03	1.200695e-05	0
	A01	1.269723e-01	1.092689e-04	0
	A01	9.677647e-03	9.732679e-06	0
	A01	2.256599e-01	2.324095e-04	0
	A01	7.052765e-08	1.112356e-10	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	9.829051e-03	4.677956e-05	0
	A03	6.489217e-03	1.372484e-04	0
	B_nongas	7.294750e-03	1.365725e-04	0
	B_nongas	4.317031e-05	1.358999e-05	0
	B_gas	2.834191e-05	5.599560e-06	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	1.191961e-03	2.385289e-05	0
	B_nongas	6.926241e-05	4.846000e-06	0
	C10-12	8.054368e-05	1.884363e-06	0

C10-12	2.697538e-04	1.040989e-05	0
C10-12	7.881578e-04	1.369468e-05	0
C10-12	1.260788e-03	1.631667e-05	0
C10-12	1.044534e-02	1.121554e-03	0
C10-12	1.855418e-02	2.841679e-04	0
C10-12	1.071510e-03	1.078638e-04	0
C10-12	2.234431e-02	4.355094e-04	0
C10-12	8.894317e-02	8.287068e-03	0
C10-12	3.526037e-02	3.457850e-03	0
C10-12	7.332092e-04	1.994754e-05	0
C10-12	3.396376e-04	1.425981e-05	0
C13-15	1.022193e-02	1.497685e-03	0
C13-15	6.075830e-03	4.378498e-04	0
C13-15	1.300761e-03	9.533223e-06	0
C16	9.661163e-02	6.017500e-04	0
C16	1.142133e-02	7.512800e-05	0
C17	2.612143e-03	2.470893e-06	0
C17	1.788756e-03	1.894472e-06	0
C17	5.618355e-03	7.493042e-07	0
C18	4.901566e-02	8.157006e-03	0
C19	2.551382e-06	5.745046e-09	0
C19	4.013595e-04	4.039068e-04	0
C24	2.395993e-06	3.384991e-09	0
C20-21	6.694619e-04	1.866575e-04	0
C20-21	3.348577e-04	7.210340e-05	0
C20-21	1.823972e-06	3.414298e-07	0
C20-21	8.490797e-05	6.050310e-06	0
C20-21	6.437644e-04	3.432118e-05	0
C22	7.709128e-02	3.767155e-04	0
C23	4.943800e-05	1.375146e-06	0
C23	2.434444e-05	6.241710e-07	0
C23	1.407549e-04	3.368951e-06	0
C23	6.819259e-04	2.420754e-05	0
C23	5.897524e-03	1.326282e-04	0
C23	4.916627e-04	1.609488e-05	0
C23	3.540862e-04	1.065144e-05	0
C24	5.508036e-03	7.734252e-04	0
C24	1.839238e-03	3.003780e-04	0
C24	4.090271e-05	1.117759e-05	0
C24	2.087556e-09	1.156544e-09	0
C24	2.156212e-03	2.368720e-04	0
C24	3.056824e-04	9.033240e-05	0
C24	5.506443e-05	9.773177e-06	0
C24	1.329191e-05	5.208288e-07	0
C24	1.605103e-03	3.682567e-04	0
C24	2.247721e-05	2.903451e-06	0
C24	5.699589e-05	2.669007e-07	0
C24	3.227808e-06	5.215399e-08	0

C24	0.000000e+00	0.000000e+00	0
C25_33	3.878464e-02	2.678142e-03	0
C25	3.372949e-02	5.751014e-04	0
C26	1.676763e-04	1.616167e-05	0
C27	5.107603e-02	3.629231e-03	0
C27	4.292495e-03	1.770492e-04	0
C28_32	2.910668e-03	2.872732e-05	0
C29	3.596629e-03	2.592601e-03	0
C30	8.003647e-03	1.635837e-02	0
C31	2.139685e-02	6.541149e-05	0
E37-39	1.607731e-05	3.191663e-07	0
E37-39	3.510376e-06	6.221069e-07	0
D35	1.985732e-02	1.302377e-03	0
D35	7.094616e-03	4.553822e-04	0
D35	0.000000e+00	0.000000e+00	0
D35	1.029297e-03	5.515894e-05	0
D35	6.494801e-03	4.681131e-04	0
D35	8.905306e-03	6.000091e-04	0
D35	6.304616e-05	3.259059e-06	0
D35	6.611673e-06	4.774854e-07	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	4.853566e-03	2.813364e-04	0
D35	2.778374e-02	1.384702e-03	0
D35	7.417458e-04	4.277354e-05	0
D35	1.159958e-04	6.369286e-06	0
E36	6.802742e-04	1.006812e-06	0
F	7.887438e-02	1.209139e-04	0
F	1.933587e-04	5.956571e-07	0
G45	2.907259e-03	1.463111e-06	0
G47	1.034013e-05	3.308196e-05	0
G46	1.009561e-01	1.212134e-03	0
G47	9.960894e-04	4.450216e-04	0
I	1.366472e-01	2.068925e-05	0
H49	3.389130e-03	1.060176e-06	0
H49	3.779252e-03	2.290758e-04	0
H49	4.526127e-06	6.471739e-05	0
H50	1.546135e-02	8.022156e-03	0
H50	5.565222e-04	4.795170e-06	0
H51	1.068142e-01	3.731070e-02	0
H52	2.214763e-03	1.829117e-04	0
H53	1.101594e-01	8.308723e-06	0
K64	3.183824e-02	1.001818e-03	0
K65	7.297852e-09	3.086489e-12	0
K66	3.342659e-04	1.237936e-05	0
L68	4.599456e-06	5.756996e-07	0

	M_N	3.009207e-03	1.683991e-06	0
	J62_63	5.419344e-02	4.815542e-06	0
	M_N	5.556308e-03	7.569706e-05	0
	M_N	3.280591e-03	2.886752e-06	0
	084	1.319123e-02	4.179314e-06	0
	P85	8.808908e-04	3.345308e-07	0
	M_N	6.437438e-04	2.279397e-06	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	2.661642e-06	3.223851e-08	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	2.239959e-06	2.541813e-08	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	7.350533e-06	3.002867e-08	0
	E37-39	1.652374e-06	1.077456e-08	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	1.243084e-05	2.354330e-07	0
	E37-39	1.814009e-04	7.969003e-07	0
	E37-39	2.655944e-05	2.920801e-07	0
	E37-39	2.622739e-05	2.161014e-07	0
	E37-39	3.218764e-05	6.935766e-09	0
	E37-39	4.681684e-05	4.034544e-07	0
	E37-39	3.790597e-06	3.131655e-08	0
	E37-39	5.295381e-06	4.409630e-08	0
	R_S	3.371151e-02	1.508753e-04	0
	R_S	2.295745e-01	1.096661e-04	0
	R_S	6.257330e-03	3.330180e-03	0
	T	1.962976e-02	1.291530e-02	0
	U	0.000000e+00	0.000000e+00	0
HU	A01	0.000000e+00	0.000000e+00	0
	A01	1.893561e-01	1.818659e-02	0
	A01	1.765243e-01	1.231880e-02	0
	A01	2.680291e-02	6.225583e-04	0
	A01	1.332762e-02	3.046258e-04	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	9.341028e-03	1.941757e-04	0
	A01	1.700904e+00	2.340196e-04	0
	A01	1.400043e-01	9.998474e-04	0
	A01	5.847467e-04	8.778633e-08	0
	A01	2.999729e-01	1.842413e-03	0
	A01	1.223051e-02	9.727822e-05	0
	A01	6.372123e-01	9.093945e-04	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0

A01	0.000000e+00	0.000000e+00	0
A02	5.152737e-04	1.172059e-05	0
A03	7.261286e-04	5.582473e-06	0
B_nongas	2.779869e-06	8.630709e-07	0
B_nongas	2.008235e-05	3.597250e-07	0
B_gas	4.483428e-04	3.672461e-06	0
B_gas	1.638875e-07	2.036700e-09	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	6.972346e-09	4.308689e-11	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	1.270149e-08	2.756291e-13	0
B_nongas	1.381224e-04	7.612819e-07	0
B_nongas	1.652808e-04	2.047013e-06	0
B_nongas	8.765789e-06	3.961984e-06	0
C10-12	1.425826e-03	1.666628e-04	0
C10-12	7.583672e-03	2.973106e-04	0
C10-12	9.614679e-02	2.088083e-04	0
C10-12	1.478714e-02	3.003583e-04	0
C10-12	2.012379e-02	5.556149e-04	0
C10-12	5.183290e-01	3.623149e-04	0
C10-12	1.109142e-04	9.676150e-06	0
C10-12	1.870153e-03	2.910680e-04	0
C10-12	2.222342e-01	1.525882e-02	0
C10-12	4.502619e-02	5.290838e-03	0
C10-12	3.561972e-04	3.851383e-05	0
C10-12	9.185444e-03	1.045395e-04	0
C13-15	8.456112e-02	1.479971e-02	0
C13-15	2.098012e-02	2.174300e-03	0
C13-15	1.168318e-02	3.512128e-03	0
C16	6.420374e-03	1.697702e-04	0
C16	0.000000e+00	0.000000e+00	0
C17	5.505312e-04	2.232496e-05	0
C17	0.000000e+00	0.000000e+00	0
C17	2.420406e-01	2.326522e-05	0
C18	5.735821e-02	5.851065e-05	0
C19	5.372043e-05	1.146343e-06	0
C19	1.883975e-01	3.540298e-02	0
C24	3.961999e-03	0.000000e+00	0
C20-21	6.577920e-02	2.680907e-02	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	2.877404e-06	5.322106e-07	0
C20-21	4.229404e-05	4.137239e-06	0
C20-21	1.629341e-03	1.004897e-04	0
C22	5.774078e-01	7.465341e-03	0

C23	3.925084e-03	1.078452e-04	0
C23	0.000000e+00	0.000000e+00	0
C23	5.725321e-03	3.044126e-05	0
C23	4.350513e-04	3.955022e-05	0
C23	1.737262e-03	1.371968e-04	0
C23	0.000000e+00	0.000000e+00	0
C23	5.950417e-04	5.776217e-05	0
C24	1.560901e-02	4.228961e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	1.496221e-04	2.057742e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	1.586595e-02	3.929732e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	1.626745e-03	3.041283e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	5.995849e-04	1.263651e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	8.922520e-05	2.499038e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	5.190695e-03	1.438152e-03	0
C25_33	6.947221e-02	1.031695e-02	0
C25	1.579798e-01	5.743523e-03	0
C26	2.969379e-01	6.836402e-04	0
C27	3.026648e-01	2.236625e-02	0
C27	3.661148e-01	1.229724e-02	0
C28_32	1.298809e-01	1.148314e-03	0
C29	4.873389e-01	2.321081e-01	0
C30	2.318886e-02	4.369313e-02	0
C31	1.426587e-02	2.679362e-04	0
E37-39	2.926470e-04	8.647385e-06	0
E37-39	0.000000e+00	0.000000e+00	0
D35	1.560822e-03	1.132838e-05	0
D35	5.504423e-03	4.355590e-05	0
D35	2.922904e-03	2.151079e-05	0
D35	3.153950e-05	3.346703e-07	0
D35	1.848199e-05	6.611506e-08	0
D35	1.937612e-04	1.401782e-06	0
D35	4.574191e-04	3.222779e-06	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	1.019515e-05	6.526747e-08	0
D35	6.045594e-04	4.416449e-06	0
D35	2.992520e-03	2.133682e-05	0
D35	3.353466e-03	2.429736e-05	0
D35	1.768187e-02	1.322807e-04	0
E36	6.038869e-04	9.708818e-06	0

F	2.659379e-02	6.386590e-04	0
F	0.000000e+00	0.000000e+00	0
G45	5.028281e-02	3.507042e-04	0
G47	1.294717e-03	3.859649e-04	0
G46	8.401723e-01	1.752302e-02	0
G47	1.202197e-01	9.104763e-03	0
I	9.801381e-01	1.773209e-04	0
H49	1.079902e-01	1.999720e-04	0
H49	1.729171e-01	1.096027e-02	0
H49	1.009295e-03	5.369165e-03	0
H50	1.481976e-04	7.196374e-05	0
H50	9.340233e-04	9.111550e-06	0
H51	5.178176e-01	1.857185e-01	0
H52	5.589975e-02	7.933032e-04	0
H53	1.593851e-01	5.746730e-03	0
K64	1.000200e-01	4.117498e-03	0
K65	1.472574e-04	1.516953e-08	0
K66	3.852391e-04	1.599698e-05	0
L68	4.242915e-02	1.266894e-04	0
M_N	1.050796e-03	7.213335e-05	0
J62_63	1.556719e+00	1.854464e-04	0
M_N	1.220110e-02	1.291060e-04	0
M_N	1.285029e-01	1.617510e-03	0
O84	5.588324e-03	1.994952e-05	0
P85	2.441008e-03	9.125410e-06	0
M_N	1.942045e-03	4.778361e-07	0
E37-39	6.002910e-05	4.091429e-06	0
E37-39	4.793477e-05	3.271938e-06	0
E37-39	1.153931e-05	8.884904e-07	0
E37-39	1.013549e-04	7.389949e-06	0
E37-39	1.057175e-05	6.561420e-07	0
E37-39	1.258642e-05	7.972812e-07	0
E37-39	6.206335e-05	3.779436e-06	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	1.280568e-04	8.782039e-06	0
E37-39	8.832290e-05	5.668282e-06	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	1.144936e-04	1.248797e-05	0
E37-39	2.208080e-04	5.256188e-05	0
E37-39	3.944031e-04	2.984297e-05	0
E37-39	2.512025e-04	1.991251e-05	0
E37-39	1.292659e-03	2.176711e-06	0
E37-39	1.038473e-04	7.805424e-06	0
E37-39	5.443978e-05	4.056228e-06	0
E37-39	7.567853e-05	5.582950e-06	0
R_S	1.014031e-03	5.270438e-07	0
R_S	6.642056e-03	3.162437e-05	0

	R_S	1.296063e-02	1.893936e-06	0
	T	0.000000e+00	0.000000e+00	0
	U	0.000000e+00	0.000000e+00	0
IE	A01	0.000000e+00	0.000000e+00	0
	A01	1.753587e-04	2.598503e-06	0
	A01	9.478680e-04	3.240694e-06	0
	A01	5.734559e-03	1.280257e-04	0
	A01	3.751733e-03	8.613869e-05	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	1.222405e-02	2.766146e-05	0
	A01	6.478162e-02	1.952022e-04	0
	A01	1.659004e-03	1.307931e-05	0
	A01	7.367470e-05	9.456698e-06	0
	A01	2.906471e-02	2.225167e-04	0
	A01	2.436212e-04	4.818533e-08	0
	A01	1.217889e-02	1.063286e-04	0
	A01	5.063478e-07	6.763279e-08	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	8.306021e-05	8.460524e-06	0
	A03	7.036835e-05	2.697285e-06	0
	B_nongas	2.648155e-05	1.934313e-04	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_gas	8.862963e-06	2.920750e-06	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	2.111048e-07	6.911762e-08	0
	B_nongas	2.868177e-06	9.439699e-07	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	1.579990e-04	2.466034e-05	0
	B_nongas	3.332511e-04	3.603380e-06	0
	B_nongas	2.947866e-03	1.383297e-03	0
	C10-12	1.883710e-01	2.764983e-02	0
	C10-12	2.139399e-02	3.430615e-03	0
	C10-12	1.177413e-02	1.104907e-03	0
	C10-12	1.672477e-01	2.427490e-02	0
	C10-12	1.322281e-02	1.957817e-03	0
	C10-12	2.865265e+00	1.771352e-02	0
	C10-12	6.064361e-04	9.020211e-05	0
	C10-12	1.187343e-02	1.753738e-03	0
	C10-12	2.632863e+00	3.293046e-01	0
	C10-12	5.684056e-01	6.268130e-02	0
	C10-12	8.941455e-02	6.476353e-05	0

C10-12	0.000000e+00	0.000000e+00	0
C13-15	1.584303e-01	2.328665e-02	0
C13-15	8.067750e-03	1.056769e-03	0
C13-15	1.598046e-03	7.365997e-07	0
C16	2.188044e-02	1.802784e-04	0
C16	4.615280e-03	3.744085e-05	0
C17	3.128988e-03	8.757282e-04	0
C17	2.219579e-05	7.436263e-06	0
C17	4.260813e-02	1.045079e-04	0
C18	3.575111e-01	3.231475e-02	0
C19	0.000000e+00	0.000000e+00	0
C19	7.971969e-03	8.525265e-04	0
C24	7.120712e-05	5.724931e-07	0
C20-21	4.212087e-03	1.573218e-03	0
C20-21	3.805193e-02	1.314764e-02	0
C20-21	9.598286e-05	6.040081e-07	0
C20-21	6.696825e-05	6.327625e-06	0
C20-21	2.035535e-02	8.217650e-04	0
C22	3.433540e-01	3.107206e-03	0
C23	2.848100e-03	2.032828e-04	0
C23	2.659720e-03	1.798335e-04	0
C23	2.690785e-04	3.763316e-05	0
C23	4.411287e-05	1.361276e-05	0
C23	1.820032e-02	5.785025e-03	0
C23	7.251017e-04	2.237836e-04	0
C23	3.915484e-03	1.204271e-03	0
C24	1.013203e-02	1.943390e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	1.783729e-02	7.550066e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	3.772701e-04	2.448785e-05	0
C24	2.186605e-04	1.256789e-05	0
C24	2.560477e-03	5.641363e-06	0
C24	4.334963e-03	1.625563e-05	0
C24	2.349578e-04	2.133765e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	4.356720e-03	8.968380e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	0.000000e+00	0.000000e+00	0
C25_33	1.173675e-01	8.771268e-03	0
C25	1.567178e-01	7.231431e-04	0
C26	2.622452e+00	6.104081e-03	0
C27	7.349050e-01	5.317793e-02	0
C27	1.383814e-01	9.292828e-03	0
C28_32	3.284870e-01	8.011122e-03	0
C29	8.218523e-02	3.922311e-02	0
C30	4.094729e-02	8.407551e-02	0
C31	7.216339e-03	9.967822e-04	0

E37-39	6.385467e-05	2.104302e-05	0
E37-39	8.454318e-04	2.786083e-04	0
D35	0.000000e+00	0.000000e+00	0
D35	1.170418e-06	3.857060e-07	0
D35	0.000000e+00	0.000000e+00	0
D35	5.962988e-08	1.965076e-08	0
D35	1.762432e-07	5.808018e-08	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	3.728941e-06	1.228856e-06	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
E36	1.294780e-06	4.231953e-07	0
F	2.940649e-01	6.396801e-06	0
F	0.000000e+00	0.000000e+00	0
G45	4.604155e-01	1.961597e-04	0
G47	1.293733e-05	2.997137e-03	0
G46	3.994993e-01	1.337083e-01	0
G47	2.300907e-01	1.038985e-01	0
I	3.290872e-01	3.392820e-05	0
H49	3.505996e-01	1.660783e-05	0
H49	2.959792e-01	1.807211e-02	0
H49	4.480530e-06	1.444987e-03	0
H50	1.426011e-02	7.399508e-03	0
H50	4.715103e-03	4.051920e-05	0
H51	6.092321e-01	2.253412e-01	0
H52	2.750037e-01	1.009828e-05	0
H53	1.234488e+00	8.298735e-05	0
K64	3.231139e+00	1.343292e-01	0
K65	2.421706e-03	2.340215e-07	0
K66	9.861614e-04	9.607206e-04	0
L68	7.352398e-04	3.537792e-05	0
M_N	9.815391e-02	4.076995e-03	0
J62_63	1.170309e+01	1.296631e-03	0
M_N	2.069199e-02	8.390843e-06	0
M_N	9.723582e-02	9.424729e-06	0
O84	9.416917e-07	0.000000e+00	0
P85	4.853256e-03	2.643202e-06	0
M_N	4.396080e-05	1.236849e-05	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	3.685513e-09	0.000000e+00	0

	E37-39	3.605114e-05	9.496474e-07	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	1.003217e-07	1.262457e-09	0
	E37-39	7.622998e-05	1.367786e-06	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	7.073704e-05	0.000000e+00	0
	E37-39	1.510467e-04	1.619043e-06	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	3.131989e-05	3.844194e-05	0
	E37-39	8.895447e-05	1.200121e-04	0
	E37-39	7.994043e-05	9.803948e-07	0
	E37-39	6.378975e-05	7.808066e-07	0
	E37-39	4.213285e-03	0.000000e+00	0
	E37-39	3.956034e-05	5.015258e-07	0
	E37-39	1.157891e-05	0.000000e+00	0
	E37-39	1.608132e-05	0.000000e+00	0
	R_S	4.449000e-02	7.314783e-06	0
	R_S	1.962775e-04	1.832787e-06	0
	R_S	1.278918e-01	1.809564e-06	0
	T	7.226722e-02	6.986214e-02	0
	U	0.000000e+00	0.000000e+00	0
IT	A01	0.000000e+00	0.000000e+00	0
	A01	4.568803e-03	1.060987e-04	0
	A01	3.391932e-02	2.295984e-03	0
	A01	1.409089e+00	3.157902e-02	0
	A01	5.471064e-03	1.250189e-04	0
	A01	5.456321e-09	2.212602e-12	0
	A01	1.645853e-06	1.357353e-09	0
	A01	1.209340e+00	3.403729e-03	0
	A01	5.342292e-01	4.742592e-04	0
	A01	1.697830e-02	1.197976e-04	0
	A01	1.718508e-02	1.212566e-04	0
	A01	1.105258e-01	5.297062e-04	0
	A01	9.112525e-04	4.432371e-07	0
	A01	4.607848e-02	1.721998e-04	0
	A01	5.929318e-09	2.404408e-12	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	7.427283e-07	1.488923e-07	0
	A03	5.429742e-08	1.570581e-08	0
	B_nongas	9.612515e-04	2.763834e-04	0
	B_nongas	1.135726e-03	5.830883e-05	0
	B_gas	1.672792e-03	7.370241e-05	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0

B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	3.366699e-06	7.453310e-08	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	5.674519e-07	1.611457e-08	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	9.703782e-01	1.224319e-04	0
B_nongas	3.896633e-02	4.066801e-04	0
B_nongas	1.862438e-01	8.641513e-02	0
C10-12	6.004637e-02	8.770725e-03	0
C10-12	7.083050e-02	1.063684e-02	0
C10-12	6.247352e-03	6.665874e-04	0
C10-12	3.283569e-01	4.834350e-02	0
C10-12	9.781722e-02	8.628317e-03	0
C10-12	6.661472e-01	5.176778e-03	0
C10-12	3.395326e-02	3.713514e-03	0
C10-12	2.495358e-02	3.495260e-03	0
C10-12	1.619769e+00	2.121858e-01	0
C10-12	5.995259e-01	5.957016e-02	0
C10-12	8.015218e-02	5.062664e-04	0
C10-12	2.746820e-03	3.327141e-05	0
C13-15	2.861478e+00	4.037665e-01	0
C13-15	8.164147e-01	1.961182e-02	0
C13-15	1.281966e+00	1.120108e-03	0
C16	2.524248e-01	1.174738e-03	0
C16	2.533709e-01	1.177088e-03	0
C17	6.525362e-04	2.164799e-04	0
C17	2.000206e-02	5.907315e-03	0
C17	5.317862e+00	6.348074e-04	0
C18	5.512327e-01	1.706607e-03	0
C19	2.303530e-04	3.550836e-05	0
C19	5.348566e+00	1.076570e+00	0
C24	2.282938e-04	2.380730e-06	0
C20-21	6.194922e-01	2.725467e-01	0
C20-21	2.293887e-01	1.050373e-01	0
C20-21	3.036734e-04	2.293006e-06	0
C20-21	1.305694e-03	8.572131e-05	0
C20-21	4.390097e-02	2.537333e-03	0
C22	4.804568e+00	3.714709e-02	0
C23	1.064051e-01	1.812641e-03	0
C23	6.151948e-02	2.970166e-03	0
C23	3.965056e-01	1.079017e-02	0
C23	2.841846e-02	2.154469e-03	0
C23	2.072851e-01	1.590719e-02	0
C23	5.846972e-02	4.134795e-03	0
C23	9.297271e-02	6.773840e-03	0
C24	4.653753e-01	8.989432e-02	0
C24	5.379546e-01	1.038796e-01	0
C24	9.575078e-01	6.554253e-03	0

C24	0.000000e+00	0.000000e+00	0
C24	9.676422e-03	1.236511e-03	0
C24	4.011153e-02	4.802752e-03	0
C24	3.449823e-02	9.212580e-04	0
C24	2.961779e-02	7.922159e-04	0
C24	1.224203e-01	4.897199e-03	0
C24	3.556993e-02	1.496082e-03	0
C24	5.849765e-02	1.131175e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	2.494725e-02	4.347831e-03	0
C25_33	2.425377e+00	2.054922e-01	0
C25	4.984217e+00	1.200965e-01	0
C26	2.571447e-01	1.054645e-02	0
C27	5.287233e+00	3.768568e-01	0
C27	4.844147e-01	2.112377e-02	0
C28_32	1.103322e+00	7.333791e-03	0
C29	2.175826e+00	1.081939e+00	0
C30	7.778851e-01	1.467422e+00	0
C31	1.728390e-01	2.677543e-02	0
E37-39	1.803340e-03	1.880757e-04	0
E37-39	1.097062e-03	4.541802e-05	0
D35	6.824591e-03	4.924568e-04	0
D35	6.840923e-02	4.938619e-03	0
D35	0.000000e+00	0.000000e+00	0
D35	4.063150e-03	2.929664e-04	0
D35	9.335092e-04	1.224289e-04	0
D35	3.436219e-05	2.547705e-09	0
D35	9.197790e-04	7.213944e-05	0
D35	5.841590e-06	9.715731e-07	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	8.245613e-04	1.342974e-04	0
D35	3.135354e-04	1.450924e-04	0
D35	3.125894e-04	1.446546e-04	0
D35	7.046038e-02	5.079085e-03	0
D35	1.637361e-02	1.181506e-03	0
D35	4.477307e-02	3.227662e-03	0
E36	4.327934e-02	3.122523e-03	0
F	6.991391e-02	3.168806e-05	0
F	6.820195e-05	4.563808e-06	0
G45	5.093520e-01	2.468487e-02	0
G47	4.233661e-02	1.263232e-02	0
G46	6.114679e-01	9.189829e-02	0
G47	1.388924e+00	1.304760e-01	0
I	3.149190e+00	1.427518e-03	0
H49	2.160477e-01	8.890170e-04	0
H49	4.913577e-01	3.003951e-02	0
H49	1.043196e-02	1.265094e-02	0

	H50	1.301358e-01	6.616005e-02	0
	H50	9.597768e-04	1.976792e-05	0
	H51	1.997640e+00	7.156155e-01	0
	H52	2.106152e-01	2.242315e-02	0
	H53	9.194369e-01	3.098887e-03	0
	K64	8.148432e-01	3.388500e-02	0
	K65	8.073611e-04	8.598509e-08	0
	K66	8.278828e-04	1.289272e-04	0
	L68	1.816781e-03	1.040726e-04	0
	M_N	2.060259e-02	9.079579e-04	0
	J62_63	4.313439e-01	1.106640e-03	0
	M_N	2.408240e-02	2.113173e-03	0
	M_N	1.383744e-01	4.715425e-04	0
	O84	1.110967e-02	4.876024e-05	0
	P85	1.084886e-02	5.545090e-04	0
	M_N	1.280231e-02	3.356953e-04	0
	E37-39	3.223550e-04	4.127742e-05	0
	E37-39	3.167857e-04	4.172126e-05	0
	E37-39	3.267286e-04	3.535169e-05	0
	E37-39	5.373344e-04	6.503984e-05	0
	E37-39	4.653256e-05	5.964649e-06	0
	E37-39	1.095716e-04	1.389734e-05	0
	E37-39	4.975768e-04	5.323360e-05	0
	E37-39	2.764219e-05	3.878070e-06	0
	E37-39	3.761140e-06	5.282212e-07	0
	E37-39	5.075630e-05	3.976963e-06	0
	E37-39	5.817557e-04	7.100951e-05	0
	E37-39	1.508190e-05	1.146060e-06	0
	E37-39	4.436553e-04	7.555924e-05	0
	E37-39	6.200629e-04	1.174036e-04	0
	E37-39	9.637184e-04	1.312178e-04	0
	E37-39	1.048605e-03	1.226424e-04	0
	E37-39	2.017938e-03	1.551049e-05	0
	E37-39	7.937915e-04	8.993956e-05	0
	E37-39	1.411898e-04	1.919140e-05	0
	E37-39	3.694494e-04	4.170065e-05	0
	R_S	5.338779e-03	8.731511e-07	0
	R_S	2.918805e-02	3.682704e-04	0
	R_S	1.177346e-01	1.310167e-04	0
	T	1.111635e+00	1.074639e+00	0
	U	0.000000e+00	0.000000e+00	0
LT	A01	0.000000e+00	0.000000e+00	0
	A01	1.653663e+00	1.587559e-01	0
	A01	4.659850e-01	3.251418e-02	0
	A01	1.900926e-01	4.184299e-03	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0

A01	3.251218e-02	1.157586e-04	0
A01	1.668406e-01	9.000915e-07	0
A01	3.513636e-05	2.516491e-07	0
A01	8.624266e-05	6.176759e-07	0
A01	3.095777e-04	4.446274e-06	0
A01	1.661486e-04	3.219951e-06	0
A01	6.184373e-02	1.254396e-06	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A02	5.733162e-04	4.022853e-06	0
A03	1.158618e-04	4.012792e-06	0
B_nongas	3.257689e-05	2.182572e-04	0
B_nongas	2.012301e-05	1.411146e-06	0
B_gas	0.000000e+00	0.000000e+00	0
B_gas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	4.787558e-06	5.525075e-07	0
B_nongas	1.240396e-04	6.981064e-07	0
B_nongas	1.753788e-04	8.182390e-05	0
C10-12	1.227628e-04	1.604624e-05	0
C10-12	1.489255e-04	1.949226e-05	0
C10-12	1.793204e-04	2.166096e-05	0
C10-12	2.748949e-04	2.857878e-05	0
C10-12	5.635048e-04	1.281034e-06	0
C10-12	1.109907e-01	3.704237e-04	0
C10-12	4.023300e-08	4.412961e-10	0
C10-12	7.553956e-05	1.234797e-05	0
C10-12	6.743645e-02	7.272456e-03	0
C10-12	1.951026e-02	2.096039e-03	0
C10-12	2.323154e-03	1.020350e-05	0
C10-12	2.239592e-02	1.315017e-04	0
C13-15	2.035333e-02	2.996549e-03	0
C13-15	6.556252e-03	3.499418e-04	0
C13-15	4.224637e-04	6.568939e-06	0
C16	7.328078e-02	1.144911e-05	0
C16	4.636819e-03	2.932299e-06	0
C17	6.875662e-04	3.617487e-06	0
C17	8.039398e-05	5.512817e-07	0
C17	2.422549e-02	4.907350e-06	0
C18	1.397994e-02	6.677088e-06	0

C19	0.000000e+00	0.000000e+00	0
C19	2.547952e-01	4.893372e-02	0
C24	0.000000e+00	0.000000e+00	0
C20-21	2.796601e-04	1.231143e-04	0
C20-21	3.858936e-05	1.313185e-05	0
C20-21	9.800380e-06	7.321924e-07	0
C20-21	1.522778e-04	1.057509e-05	0
C20-21	3.516866e-05	1.561075e-06	0
C22	2.660529e-02	3.046355e-04	0
C23	1.315221e-03	3.429786e-05	0
C23	1.988664e-04	5.706302e-06	0
C23	1.481289e-04	2.013345e-06	0
C23	5.492439e-06	6.440823e-07	0
C23	2.133177e-04	8.552897e-06	0
C23	1.884014e-05	2.266989e-06	0
C23	6.856052e-05	8.476689e-06	0
C24	2.453902e-04	4.768149e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	8.905428e-05	4.180005e-07	0
C24	0.000000e+00	0.000000e+00	0
C24	2.871799e-04	2.445588e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	2.158706e-04	1.905825e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	6.972869e-05	6.141363e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	2.622577e-06	2.301272e-07	0
C24	0.000000e+00	0.000000e+00	0
C24	4.045491e-05	2.910049e-06	0
C25_33	8.493504e-03	6.558136e-04	0
C25	7.267031e-03	3.430603e-04	0
C26	1.593092e-03	5.706567e-05	0
C27	2.048965e-02	2.292786e-03	0
C27	8.591188e-04	8.677245e-05	0
C28_32	1.002875e-02	3.137428e-04	0
C29	6.584412e-03	3.920832e-03	0
C30	1.268995e-02	2.539566e-02	0
C31	6.869394e-03	1.940349e-03	0
E37-39	1.280929e-05	5.843240e-07	0
E37-39	0.000000e+00	0.000000e+00	0
D35	8.105863e-08	3.236399e-12	0
D35	2.366223e-05	1.035435e-09	0
D35	4.878850e-05	3.656344e-09	0
D35	1.808005e-06	1.642521e-09	0
D35	2.851850e-07	2.863283e-11	0
D35	2.347742e-06	1.893497e-10	0
D35	3.499283e-07	1.053213e-11	0
D35	0.000000e+00	0.000000e+00	0

D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	2.101282e-06	1.450828e-10	0
D35	8.130600e-05	6.846698e-09	0
D35	1.206114e-05	1.329179e-09	0
D35	6.806817e-06	2.253755e-09	0
E36	5.276173e-05	2.049533e-07	0
F	2.010339e-03	2.248060e-05	0
F	1.023599e-06	7.201596e-08	0
G45	4.238321e-03	3.946073e-05	0
G47	2.891577e-05	4.361864e-05	0
G46	1.893970e-01	1.541789e-02	0
G47	4.945442e-03	9.156034e-04	0
I	1.933990e-02	4.347098e-06	0
H49	6.186888e-03	3.346706e-05	0
H49	7.437891e-03	4.841362e-04	0
H49	3.768742e-05	4.553414e-05	0
H50	1.059745e-04	5.498970e-05	0
H50	1.458175e-04	1.253082e-06	0
H51	1.972908e-02	7.073579e-03	0
H52	1.265069e-02	3.130393e-06	0
H53	3.320926e-03	5.402869e-05	0
K64	6.195154e-03	2.565943e-04	0
K65	5.975252e-06	4.497508e-10	0
K66	2.159823e-06	4.154046e-07	0
L68	6.169375e-04	5.339936e-06	0
M_N	1.439141e-03	8.383106e-05	0
J62_63	5.571346e-03	4.131439e-07	0
M_N	1.701442e-03	9.859841e-07	0
M_N	1.269824e-03	3.438235e-06	0
O84	2.937075e-04	1.162376e-05	0
P85	3.211592e-04	5.776266e-07	0
M_N	1.017741e-04	1.836926e-06	0
E37-39	8.482263e-13	0.000000e+00	0
E37-39	7.190767e-13	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	6.432070e-06	3.844063e-07	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	6.144623e-07	1.407541e-08	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	7.125436e-07	3.868846e-08	0
E37-39	9.887017e-06	6.110038e-07	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	3.244466e-06	4.904707e-07	0

	E37-39	1.672037e-05	1.846526e-06	0
	E37-39	1.198524e-05	8.350349e-07	0
	E37-39	6.818950e-06	4.553653e-07	0
	E37-39	1.514645e-04	2.791439e-08	0
	E37-39	3.796777e-05	2.511668e-06	0
	E37-39	1.058603e-06	8.509875e-08	0
	E37-39	1.307515e-06	1.058672e-07	0
	R_S	7.404430e-05	9.554260e-07	0
	R_S	4.447893e-05	4.028654e-06	0
	R_S	1.088721e-03	1.546661e-08	0
	T	1.513979e-03	1.463593e-03	0
	U	0.000000e+00	0.000000e+00	0
LU	A01	0.000000e+00	0.000000e+00	0
	A01	4.214346e-03	1.470672e-04	0
	A01	4.413202e-03	9.919898e-05	0
	A01	1.981732e-02	4.362168e-04	0
	A01	9.734048e-04	2.224329e-05	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	4.486084e-02	1.896025e-04	0
	A01	6.904255e-03	3.038374e-05	0
	A01	7.057958e-04	4.908758e-06	0
	A01	9.406170e-05	6.805756e-07	0
	A01	2.371493e-04	1.544070e-05	0
	A01	2.535642e-04	1.725749e-05	0
	A01	1.672287e-02	1.184429e-04	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	1.720219e-07	3.448465e-08	0
	A03	5.596187e-10	1.618726e-10	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	3.498693e-02	2.073238e-05	0
	B_nongas	0.000000e+00	0.000000e+00	0
	C10-12	1.679916e-03	2.420085e-04	0
	C10-12	2.852050e-03	4.130575e-04	0

C10-12	1.374125e-03	2.645642e-05	0
C10-12	2.048474e-02	3.027568e-03	0
C10-12	1.338733e-02	1.637056e-03	0
C10-12	1.027296e-01	8.628308e-05	0
C10-12	7.486442e-04	1.108386e-04	0
C10-12	7.637265e-03	1.004111e-04	0
C10-12	8.473316e-02	1.111353e-02	0
C10-12	1.691376e-02	1.592413e-03	0
C10-12	3.179774e-04	3.303472e-08	0
C10-12	7.477344e-03	1.008344e-03	0
C13-15	1.381042e-01	2.066547e-02	0
C13-15	4.457812e-04	2.898424e-08	0
C13-15	0.000000e+00	0.000000e+00	0
C16	1.228897e-02	1.448196e-06	0
C16	1.786732e-03	2.108301e-07	0
C17	4.698324e-03	2.348203e-04	0
C17	1.618165e-03	6.890252e-05	0
C17	2.147384e-01	1.647594e-04	0
C18	8.143418e-02	2.380136e-03	0
C19	0.000000e+00	0.000000e+00	0
C19	0.000000e+00	0.000000e+00	0
C24	0.000000e+00	0.000000e+00	0
C20-21	1.144491e-03	1.066556e-04	0
C20-21	8.503878e-02	4.538215e-02	0
C20-21	1.560705e-05	1.844565e-07	0
C20-21	2.942141e-04	9.052211e-06	0
C20-21	9.092469e-04	5.341744e-05	0
C22	3.830950e-01	2.202716e-03	0
C23	3.979731e-04	1.435835e-08	0
C23	3.449739e-05	1.743518e-06	0
C23	2.883113e-03	8.706310e-05	0
C23	1.678296e-04	4.575821e-05	0
C23	4.134158e-05	9.085606e-06	0
C23	1.592841e-04	3.513188e-05	0
C23	6.608211e-04	1.463880e-04	0
C24	2.155532e-03	5.327991e-04	0
C24	7.120124e-02	4.426288e-02	0
C24	3.287070e-01	7.391655e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	2.178123e-02	2.024437e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	1.158454e-01	1.002286e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	1.291160e-05	5.146180e-07	0
C24	3.760488e-02	1.705370e-02	0
C24	8.992398e-03	3.018569e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	0.000000e+00	0.000000e+00	0

C25_33	2.880908e-01	5.467634e-03	0
C25	7.793640e-02	2.286718e-04	0
C26	3.897099e-03	2.907200e-07	0
C27	1.013419e-01	7.329234e-03	0
C27	1.247884e-02	1.679569e-04	0
C28_32	1.257584e-01	3.238558e-04	0
C29	1.261239e-01	3.889658e-02	0
C30	3.014421e-02	6.120021e-02	0
C31	5.942971e-05	4.212766e-05	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	4.119443e-03	4.645000e-05	0
D35	0.000000e+00	0.000000e+00	0
D35	9.605296e-06	5.039067e-07	0
D35	6.729741e-06	2.393693e-07	0
D35	3.056443e-03	1.913942e-05	0
D35	8.508628e-05	7.903030e-07	0
D35	6.897556e-07	6.238449e-08	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	1.877871e-04	2.507103e-06	0
D35	1.198418e-03	2.141751e-05	0
D35	9.135245e-04	7.236322e-06	0
D35	0.000000e+00	0.000000e+00	0
E36	1.712464e-06	1.423669e-07	0
F	5.668067e-02	1.568845e-04	0
F	0.000000e+00	0.000000e+00	0
G45	1.075145e-01	4.999659e-04	0
G47	3.108003e-05	3.834339e-03	0
G46	1.691012e-01	5.389207e-02	0
G47	5.610630e-02	2.351328e-02	0
I	5.138692e-02	1.349852e-04	0
H49	1.145380e-02	5.411603e-05	0
H49	1.714589e-02	5.536423e-04	0
H49	1.305150e-03	1.359561e-04	0
H50	3.099909e-03	1.560052e-03	0
H50	2.917175e-05	4.672041e-08	0
H51	2.776576e-02	8.556107e-03	0
H52	5.996359e-03	8.131189e-04	0
H53	2.548528e-02	3.382343e-04	0
K64	2.964791e+00	1.234903e-01	0
K65	2.111743e-07	2.446950e-09	0
K66	2.979720e-04	2.902849e-04	0
L68	1.624813e-03	8.741849e-05	0
M_N	8.750857e-04	1.901090e-04	0

	J62_63	4.205759e-02	1.816302e-04	0
	M_N	1.532398e-03	3.117118e-07	0
	M_N	9.974351e-03	7.446128e-06	0
	O84	2.989885e-04	8.871141e-07	0
	P85	1.968528e-04	4.776845e-06	0
	M_N	1.149334e-03	4.507111e-05	0
	E37-39	4.283080e-05	2.395154e-06	0
	E37-39	3.678521e-05	1.951277e-06	0
	E37-39	8.868105e-06	3.843474e-07	0
	E37-39	4.365422e-05	2.386247e-06	0
	E37-39	8.409325e-06	3.763197e-07	0
	E37-39	1.320988e-05	6.106353e-07	0
	E37-39	1.811533e-05	7.184985e-07	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	6.542121e-05	2.904236e-06	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	6.621098e-06	3.633919e-06	0
	E37-39	1.738333e-05	1.209798e-05	0
	E37-39	5.502962e-06	5.552816e-07	0
	E37-39	5.062216e-06	4.669480e-07	0
	E37-39	3.416698e-04	1.464726e-07	0
	E37-39	2.824007e-06	2.022835e-07	0
	E37-39	6.682848e-07	7.695340e-08	0
	E37-39	9.940684e-07	9.852391e-08	0
	R_S	5.468648e-03	7.622733e-07	0
	R_S	5.856143e-04	1.960251e-04	0
	R_S	2.573344e-02	1.202603e-04	0
	T	1.062018e-01	1.026674e-01	0
	U	0.000000e+00	0.000000e+00	0
LV	A01	0.000000e+00	0.000000e+00	0
	A01	8.833619e-01	8.480216e-02	0
	A01	1.121889e-01	7.814111e-03	0
	A01	4.426737e-01	9.744801e-03	0
	A01	9.347854e-07	3.816107e-07	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	3.258840e-02	1.555562e-04	0
	A01	5.439060e-05	6.346131e-07	0
	A01	5.745731e-05	6.944172e-07	0
	A01	4.961739e-05	5.360697e-07	0
	A01	2.900289e-04	1.684465e-07	0
	A01	4.335078e-04	3.077917e-07	0
	A01	2.388234e-04	2.396042e-06	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0

A02	2.167322e-03	1.022499e-05	0
A03	1.470907e-04	2.317092e-05	0
B_nongas	2.557110e-05	1.230420e-06	0
B_nongas	0.000000e+00	0.000000e+00	0
B_gas	0.000000e+00	0.000000e+00	0
B_gas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	4.329802e-07	2.027426e-07	0
B_nongas	1.298283e-06	6.079201e-07	0
B_nongas	8.101974e-05	3.804459e-05	0
C10-12	3.106503e-04	4.164729e-05	0
C10-12	9.234705e-04	1.293154e-04	0
C10-12	5.814430e-04	6.531274e-05	0
C10-12	4.903446e-03	6.878447e-04	0
C10-12	2.675601e-05	3.142083e-06	0
C10-12	2.859960e-02	1.942981e-04	0
C10-12	2.052081e-06	3.114662e-07	0
C10-12	3.185768e-04	2.210435e-05	0
C10-12	1.329880e-02	1.471268e-03	0
C10-12	8.996923e-03	7.385442e-04	0
C10-12	1.169327e-02	3.795043e-05	0
C10-12	4.752398e-04	3.597310e-05	0
C13-15	1.384614e-02	1.849701e-03	0
C13-15	3.285417e-03	2.343863e-04	0
C13-15	4.796079e-05	2.690597e-06	0
C16	1.632059e-01	1.121628e-04	0
C16	1.096684e-04	8.829220e-08	0
C17	4.669497e-07	1.516371e-07	0
C17	3.454260e-07	4.117326e-09	0
C17	1.194666e-02	9.470732e-07	0
C18	3.351060e-03	6.980673e-06	0
C19	0.000000e+00	0.000000e+00	0
C19	8.322500e-03	1.473512e-03	0
C24	4.755649e-07	1.567203e-07	0
C20-21	1.476020e-04	7.812290e-05	0
C20-21	1.040323e-04	5.471952e-05	0
C20-21	1.555107e-06	5.138380e-07	0
C20-21	2.486063e-04	8.066712e-05	0
C20-21	1.493589e-04	8.020412e-05	0
C22	1.630361e-02	4.142686e-04	0
C23	3.254369e-04	1.041761e-05	0

C23	6.061969e-06	6.669972e-07	0
C23	1.772968e-05	3.218523e-06	0
C23	5.516048e-05	8.390082e-06	0
C23	1.198636e-03	1.820966e-04	0
C23	4.593412e-05	7.012319e-06	0
C23	3.207030e-04	4.856749e-05	0
C24	7.509539e-03	1.461695e-03	0
C24	2.133945e-05	4.155971e-06	0
C24	1.224576e-09	4.035535e-10	0
C24	0.000000e+00	0.000000e+00	0
C24	2.446047e-06	5.963220e-07	0
C24	0.000000e+00	0.000000e+00	0
C24	5.433186e-04	1.235160e-07	0
C24	0.000000e+00	0.000000e+00	0
C24	6.012772e-06	1.465854e-06	0
C24	1.084345e-08	3.527654e-09	0
C24	1.941563e-07	4.699224e-08	0
C24	0.000000e+00	0.000000e+00	0
C24	0.000000e+00	0.000000e+00	0
C25_33	3.136491e-03	2.775253e-04	0
C25	2.471265e-03	5.965789e-05	0
C26	3.002520e-03	1.608309e-05	0
C27	1.632498e-02	1.182258e-03	0
C27	2.692674e-02	1.037292e-03	0
C28_32	3.824628e-03	7.954878e-06	0
C29	6.046490e-03	3.397479e-03	0
C30	2.070989e-03	4.000219e-03	0
C31	1.717166e-04	2.980493e-05	0
E37-39	2.156394e-04	1.364668e-05	0
E37-39	1.076063e-03	1.323086e-04	0
D35	7.767300e-05	6.255959e-09	0
D35	1.031805e-04	4.761778e-06	0
D35	0.000000e+00	0.000000e+00	0
D35	8.018253e-05	3.691052e-06	0
D35	1.474884e-06	6.932895e-08	0
D35	6.523346e-07	3.070445e-08	0
D35	2.060438e-06	9.035362e-08	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	2.686710e-05	1.128432e-06	0
D35	1.582684e-04	6.835026e-06	0
D35	5.182293e-05	2.391446e-06	0
D35	7.195790e-06	3.349567e-07	0
E36	2.140226e-05	2.507176e-06	0
F	1.279883e-02	1.015617e-04	0

F	4.850473e-06	4.351974e-08	0
G45	1.103872e-02	2.881954e-05	0
G47	1.504788e-04	1.552237e-04	0
G46	1.442450e-02	3.136272e-03	0
G47	1.700472e-02	2.041532e-03	0
I	1.217165e-01	1.351300e-04	0
H49	8.409040e-03	3.079963e-06	0
H49	9.707715e-03	5.896262e-04	0
H49	1.822592e-05	7.923544e-05	0
H50	3.147276e-03	1.628300e-03	0
H50	8.316814e-05	7.164301e-07	0
H51	4.568832e-02	1.638299e-02	0
H52	9.188028e-03	8.074638e-05	0
H53	6.178028e-03	8.362197e-06	0
K64	1.676959e-02	6.984908e-04	0
K65	9.324634e-09	0.000000e+00	0
K66	8.865226e-07	8.636522e-07	0
L68	7.413131e-04	4.322035e-06	0
M_N	5.871913e-05	7.945087e-06	0
J62_63	7.363093e-03	6.765895e-06	0
M_N	1.187977e-04	7.233788e-08	0
M_N	1.395620e-03	2.456470e-05	0
O84	1.886514e-08	0.000000e+00	0
P85	1.508239e-05	1.374401e-07	0
M_N	7.368875e-06	3.548956e-06	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	2.447734e-09	2.572431e-11	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	7.851860e-07	2.235307e-08	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	7.518440e-07	1.286278e-08	0
E37-39	1.560784e-06	3.196828e-08	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	1.189596e-05	2.493041e-07	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	7.883265e-06	2.528118e-06	0
E37-39	1.338533e-05	4.838216e-06	0
E37-39	2.113985e-05	6.225344e-07	0
E37-39	1.461375e-05	4.172733e-07	0
E37-39	2.016472e-04	2.832273e-08	0
E37-39	3.143597e-06	8.650392e-08	0
E37-39	3.002490e-06	7.974545e-08	0
E37-39	3.706695e-06	9.585156e-08	0
R_S	4.029489e-04	5.058875e-08	0
R_S	6.999167e-04	4.939909e-06	0
R_S	4.858859e-03	2.195202e-06	0

	T	5.996069e-03	5.796519e-03	0
	U	0.000000e+00	0.000000e+00	0
MT	A01	0.000000e+00	0.000000e+00	0
	A01	7.897635e-10	3.176902e-11	0
	A01	3.019145e-03	2.113870e-04	0
	A01	6.629108e-03	1.459327e-04	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	1.465607e-03	1.510958e-04	0
	A01	7.321640e-03	5.243811e-05	0
	A01	3.995080e-03	2.861310e-05	0
	A01	5.500037e-03	3.939169e-05	0
	A01	1.231464e-02	4.248680e-04	0
	A01	0.000000e+00	0.000000e+00	0
	A01	5.284251e-03	3.785202e-05	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	0.000000e+00	0.000000e+00	0
	A03	1.046156e-02	1.501805e-03	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	5.381702e-05	4.940594e-07	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	C10-12	8.812882e-05	1.333752e-05	0
	C10-12	5.663990e-04	8.411756e-05	0
	C10-12	9.903533e-06	2.436078e-06	0
	C10-12	3.361505e-03	2.139009e-04	0
	C10-12	1.553092e-03	3.518723e-06	0
	C10-12	7.530597e-04	1.069612e-05	0
	C10-12	2.020107e-08	1.521608e-12	0
	C10-12	1.414554e-06	1.867783e-08	0
	C10-12	1.183153e-01	1.739206e-02	0
	C10-12	9.241485e-03	1.307275e-03	0
	C10-12	2.116459e-04	1.049624e-05	0
	C10-12	1.769427e-03	2.121552e-05	0

C13-15	8.446828e-04	1.127919e-04	0
C13-15	1.159862e-03	4.683158e-06	0
C13-15	6.661182e-04	5.060875e-06	0
C16	4.146558e-05	1.754151e-06	0
C16	0.000000e+00	0.000000e+00	0
C17	1.514739e-04	4.567679e-05	0
C17	0.000000e+00	0.000000e+00	0
C17	7.017721e-03	2.744325e-06	0
C18	1.182434e-02	1.918597e-05	0
C19	0.000000e+00	0.000000e+00	0
C19	3.850469e-04	6.858662e-05	0
C24	0.000000e+00	0.000000e+00	0
C20-21	6.689469e-03	1.070961e-03	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	3.691346e-05	7.808817e-08	0
C20-21	1.655453e-02	1.126909e-04	0
C22	4.458238e-02	2.204470e-04	0
C23	5.610740e-05	3.850583e-06	0
C23	0.000000e+00	0.000000e+00	0
C23	6.061141e-04	1.073439e-05	0
C23	4.759036e-06	5.937400e-07	0
C23	0.000000e+00	0.000000e+00	0
C23	0.000000e+00	0.000000e+00	0
C23	9.353688e-05	1.819431e-05	0
C24	4.189284e-05	8.147141e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	0.000000e+00	0.000000e+00	0
C24	0.000000e+00	0.000000e+00	0
C24	8.284453e-07	3.739310e-10	0
C24	0.000000e+00	0.000000e+00	0
C24	6.641580e-05	5.593524e-10	0
C24	0.000000e+00	0.000000e+00	0
C24	9.426000e-06	5.229802e-09	0
C24	0.000000e+00	0.000000e+00	0
C24	0.000000e+00	0.000000e+00	0
C24	0.000000e+00	0.000000e+00	0
C24	0.000000e+00	0.000000e+00	0
C24	0.000000e+00	0.000000e+00	0
C25_33	2.379688e-03	2.156455e-04	0
C25	5.554242e-03	2.553076e-07	0
C26	4.990359e-04	3.925397e-08	0
C27	2.279704e-02	1.602424e-03	0
C27	2.538711e-03	7.290589e-05	0
C28_32	1.447541e-03	1.589012e-05	0
C29	9.404717e-04	5.306784e-04	0
C30	1.009271e-03	2.053202e-03	0
C31	2.227601e-04	4.593857e-05	0
E37-39	3.830096e-05	1.518443e-06	0

E37-39	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	1.597765e-05	5.314032e-10	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	6.295313e-05	2.093769e-09	0
D35	2.787511e-04	9.271028e-09	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
E36	2.479276e-05	1.543142e-09	0
F	1.523164e-02	7.932947e-05	0
F	0.000000e+00	0.000000e+00	0
G45	2.227416e-02	7.362147e-05	0
G47	2.396752e-05	9.716940e-05	0
G46	2.176035e-02	4.340134e-03	0
G47	1.336315e-02	5.336015e-03	0
I	2.409097e-02	1.011712e-04	0
H49	3.180246e-02	1.821135e-06	0
H49	2.029389e-02	1.222264e-03	0
H49	2.349469e-05	3.163801e-04	0
H50	6.929356e-04	3.242965e-04	0
H50	1.119101e-03	9.568404e-06	0
H51	4.568118e-02	1.726564e-02	0
H52	2.869126e-02	4.451641e-04	0
H53	4.852422e-02	3.035671e-06	0
K64	1.174841e-01	4.878567e-03	0
K65	3.014237e-04	2.267227e-08	0
K66	4.558692e-04	1.718312e-05	0
L68	5.012848e-03	1.223870e-06	0
M_N	4.134960e-03	1.414358e-04	0
J62_63	5.964151e-02	4.488918e-06	0
M_N	1.571669e-03	6.319269e-07	0
M_N	1.923447e-02	4.850806e-04	0
O84	1.649240e-03	2.179801e-05	0
P85	2.010367e-03	6.308240e-05	0
M_N	2.423339e-04	6.135200e-06	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	3.285309e-06	4.056820e-07	0

	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	1.123146e-06	3.078956e-08	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	3.206681e-06	1.356655e-07	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	4.972101e-06	4.348636e-06	0
	E37-39	1.031230e-05	1.051515e-05	0
	E37-39	1.819909e-05	4.898265e-06	0
	E37-39	1.311979e-05	3.350572e-06	0
	E37-39	7.230844e-04	3.259011e-07	0
	E37-39	6.575165e-06	1.108203e-06	0
	E37-39	4.634126e-06	1.644986e-06	0
	E37-39	6.022966e-06	2.076803e-06	0
	R_S	1.680719e-03	7.088000e-07	0
	R_S	3.015569e-04	1.203307e-05	0
	R_S	2.383995e-02	4.911177e-05	0
	T	2.651667e-02	2.563419e-02	0
	U	0.000000e+00	0.000000e+00	0
NL	A01	0.000000e+00	0.000000e+00	0
	A01	4.198605e-03	7.184486e-05	0
	A01	1.740588e-01	1.212284e-02	0
	A01	1.426362e+00	3.138369e-02	0
	A01	6.234900e-02	1.424651e-03	0
	A01	5.677637e-05	4.276575e-09	0
	A01	2.512251e-06	8.607103e-09	0
	A01	1.924074e+00	5.732489e-03	0
	A01	8.382986e-01	2.809976e-04	0
	A01	4.047592e-02	2.760412e-04	0
	A01	1.902502e-02	1.296687e-04	0
	A01	1.310224e-02	7.138846e-05	0
	A01	0.000000e+00	0.000000e+00	0
	A01	5.386117e-01	3.420515e-03	0
	A01	6.396380e-06	4.817955e-10	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	2.022386e-06	5.472449e-08	0
	A03	3.070269e-02	5.480127e-04	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	8.638720e-06	2.853302e-08	0
	B_gas	3.948469e-01	5.778739e-07	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0

B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	5.953059e-05	1.083617e-08	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	2.605059e-03	2.656927e-06	0
B_nongas	7.467409e-03	3.500472e-03	0
C10-12	2.247363e-01	3.258117e-02	0
C10-12	4.260244e-02	6.304500e-03	0
C10-12	1.766820e-02	1.943744e-03	0
C10-12	2.767371e-02	1.571433e-03	0
C10-12	1.650789e-01	2.328784e-02	0
C10-12	4.333785e+00	1.309231e-02	0
C10-12	8.307212e-03	1.186963e-03	0
C10-12	1.266299e-01	1.136613e-02	0
C10-12	4.714102e+00	3.649622e-01	0
C10-12	3.136665e-01	2.996316e-02	0
C10-12	1.460877e-01	7.648559e-05	0
C10-12	4.666257e-01	5.601798e-03	0
C13-15	3.408506e-01	5.034021e-02	0
C13-15	1.078650e-02	9.621407e-04	0
C13-15	1.828439e-02	1.074735e-04	0
C16	8.856507e-03	6.087786e-05	0
C16	5.420685e-02	4.148844e-04	0
C17	1.864380e-03	9.598920e-04	0
C17	2.589367e-02	1.239036e-02	0
C17	9.846336e-01	2.156237e-04	0
C18	9.753444e-01	4.313241e-05	0
C19	1.089960e-04	5.595738e-05	0
C19	4.484113e+00	8.062110e-01	0
C24	1.836627e-02	7.522050e-05	0
C20-21	3.608735e-01	8.770233e-02	0
C20-21	3.677345e-01	8.956285e-02	0
C20-21	1.580659e-03	1.995223e-04	0
C20-21	3.699558e-03	5.204517e-04	0
C20-21	8.892071e-02	1.355623e-02	0
C22	1.583237e+00	9.783413e-03	0
C23	2.619025e-03	1.051312e-04	0
C23	3.580031e-03	1.351756e-04	0
C23	2.055544e-02	8.345695e-05	0
C23	6.811632e-04	1.398041e-04	0
C23	4.473149e-03	9.289157e-04	0
C23	1.265737e-03	2.700854e-04	0
C23	9.014639e-04	1.977542e-04	0
C24	8.669108e-02	1.671432e-02	0
C24	1.550407e-02	2.997746e-03	0
C24	3.123029e-02	1.794969e-04	0
C24	0.000000e+00	0.000000e+00	0

C24	5.232187e-03	2.386527e-04	0
C24	2.443920e-03	4.899130e-05	0
C24	5.188531e-02	2.795309e-04	0
C24	7.126574e-03	1.180715e-05	0
C24	4.777364e-02	4.854534e-04	0
C24	1.531350e-05	4.258482e-08	0
C24	1.234248e-02	3.747747e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	3.400879e-03	3.445041e-04	0
C25_33	4.461802e-01	4.227920e-02	0
C25	8.698177e-01	1.844585e-02	0
C26	1.304062e-01	6.512145e-02	0
C27	8.595759e-01	7.916834e-02	0
C27	1.713311e-01	2.916477e-02	0
C28_32	5.646383e-01	3.654264e-02	0
C29	1.023281e+00	6.027365e-01	0
C30	1.084627e+00	2.226979e+00	0
C31	7.051496e-01	1.374187e-02	0
E37-39	4.955209e-02	1.969520e-03	0
E37-39	1.940984e-02	3.536211e-03	0
D35	3.302268e-04	2.542262e-08	0
D35	1.183285e-03	9.035002e-08	0
D35	6.584021e-05	5.067021e-09	0
D35	1.126312e-06	8.576179e-11	0
D35	4.701645e-05	3.632590e-09	0
D35	3.767742e-05	2.899631e-09	0
D35	9.735110e-05	7.558490e-09	0
D35	5.108383e-07	3.974187e-11	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	5.612367e-05	4.371287e-09	0
D35	2.570405e-04	1.978168e-08	0
D35	9.884257e-04	7.606862e-08	0
D35	2.194455e-04	1.675582e-08	0
D35	6.527000e-05	5.024833e-09	0
E36	2.815136e-04	2.304774e-08	0
F	1.146503e-01	3.960578e-03	0
F	1.813348e-05	9.481135e-07	0
G45	5.823252e-02	2.345972e-05	0
G47	2.278454e-04	1.418943e-04	0
G46	1.449111e+00	2.499953e-01	0
G47	1.329969e-01	3.544620e-02	0
I	1.616853e+00	1.667361e-04	0
H49	3.071974e-02	4.748696e-06	0
H49	1.832003e-01	9.266280e-03	0
H49	2.567296e-04	2.406227e-04	0
H50	5.291655e-02	2.627987e-02	0

	H50	5.275831e-03	1.051144e-04	0
	H51	8.266525e-01	2.639569e-01	0
	H52	6.846580e-02	1.311863e-03	0
	H53	5.160679e-01	2.598863e-03	0
	K64	9.957240e-02	3.491733e-03	0
	K65	1.942996e-02	1.666043e-06	0
	K66	1.171217e-02	4.094817e-05	0
	L68	2.534671e-03	2.895769e-06	0
	M_N	8.733410e-03	1.006817e-03	0
	J62_63	1.169398e+00	4.890879e-04	0
	M_N	5.190676e-02	1.704775e-05	0
	M_N	1.649747e-01	1.760553e-03	0
	O84	1.246192e-01	2.406059e-02	0
	P85	1.335772e-02	3.734538e-06	0
	M_N	1.688970e-02	1.954835e-06	0
	E37-39	1.487309e-03	8.423795e-05	0
	E37-39	1.230908e-03	1.143643e-04	0
	E37-39	2.037885e-04	1.949760e-05	0
	E37-39	1.772682e-03	1.894148e-04	0
	E37-39	2.560603e-04	2.312206e-05	0
	E37-39	4.438863e-04	4.290017e-05	0
	E37-39	9.461022e-04	8.508766e-05	0
	E37-39	2.195004e-04	1.671977e-05	0
	E37-39	2.932298e-05	2.291838e-06	0
	E37-39	9.855953e-04	9.352442e-05	0
	E37-39	5.312929e-03	4.370323e-04	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	3.055518e-04	3.017831e-05	0
	E37-39	7.378862e-04	9.330689e-05	0
	E37-39	1.563489e-04	1.508133e-05	0
	E37-39	1.017391e-04	9.997813e-06	0
	E37-39	3.599995e-04	4.637873e-06	0
	E37-39	1.700504e-03	1.210357e-04	0
	E37-39	1.789653e-05	1.790229e-06	0
	E37-39	6.252744e-05	6.188124e-06	0
	R_S	2.813129e-03	3.765675e-07	0
	R_S	2.700454e-02	2.453998e-05	0
	R_S	1.174875e-01	4.576906e-02	0
	T	8.579455e-03	8.293928e-03	0
	U	0.000000e+00	0.000000e+00	0
PL	A01	0.000000e+00	0.000000e+00	0
	A01	2.438030e+00	2.340191e-01	0
	A01	6.378143e-02	3.003750e-04	0
	A01	4.468170e-01	9.835274e-03	0
	A01	4.173457e-03	9.536136e-05	0
	A01	1.991918e-07	1.295125e-11	0
	A01	0.000000e+00	0.000000e+00	0
	A01	1.948512e-01	6.810062e-04	0

A01	5.736531e-01	8.208542e-06	0
A01	1.314847e-02	9.095679e-05	0
A01	4.125854e-03	2.844799e-05	0
A01	1.431280e-02	5.088136e-05	0
A01	1.291848e-03	1.058137e-05	0
A01	1.034815e-01	1.667445e-04	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A02	6.657761e-03	2.883897e-05	0
A03	7.012265e-04	1.501430e-04	0
B_nongas	9.255190e-04	2.889121e-05	0
B_nongas	3.458932e-04	7.288248e-07	0
B_gas	2.131386e-05	2.908471e-06	0
B_gas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	8.859650e-03	1.227670e-03	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	9.336997e-05	1.300481e-05	0
B_nongas	6.029760e-04	9.182097e-05	0
B_nongas	1.866570e-06	1.527275e-08	0
B_nongas	6.397452e-04	3.117486e-05	0
B_nongas	1.145094e-03	6.287438e-05	0
B_nongas	9.438521e-04	4.188495e-04	0
C10-12	4.980163e-02	2.891399e-03	0
C10-12	2.745123e-02	3.477013e-03	0
C10-12	2.208637e-02	2.607960e-04	0
C10-12	1.754819e-01	2.510782e-02	0
C10-12	3.916452e-02	4.985053e-03	0
C10-12	9.872825e-01	1.899408e-03	0
C10-12	8.209666e-11	1.081151e-11	0
C10-12	4.270403e-01	7.825470e-03	0
C10-12	8.408634e-01	9.656364e-02	0
C10-12	3.599317e-01	3.796823e-02	0
C10-12	3.123362e-02	1.933533e-05	0
C10-12	6.335202e-02	7.590438e-04	0
C13-15	1.667314e-01	2.456000e-02	0
C13-15	2.644376e-02	6.701577e-04	0
C13-15	1.214314e-02	1.677109e-05	0
C16	5.952359e-02	2.956648e-04	0
C16	2.153891e-02	1.429919e-04	0
C17	1.228286e-02	4.759247e-03	0
C17	3.077394e-03	1.372457e-03	0
C17	1.819869e+00	5.331472e-05	0
C18	1.827930e-01	5.065758e-04	0
C19	9.664087e-04	4.818040e-05	0

C19	4.640061e-02	4.622167e-03	0
C24	1.389627e-03	1.222389e-06	0
C20-21	2.451708e-02	3.375731e-03	0
C20-21	3.392702e-02	4.521753e-03	0
C20-21	1.306725e-03	1.302970e-05	0
C20-21	2.273475e-03	7.924641e-05	0
C20-21	1.374378e-02	4.397341e-04	0
C22	9.524103e-01	1.954076e-02	0
C23	1.599844e-02	3.762421e-04	0
C23	5.887777e-03	1.457462e-04	0
C23	1.477673e-02	7.357717e-05	0
C23	1.426982e-03	7.311172e-05	0
C23	7.477382e-03	2.618432e-04	0
C23	5.662378e-04	3.072390e-05	0
C23	1.374642e-03	6.938033e-05	0
C24	3.951115e-02	9.540009e-03	0
C24	3.346486e-02	8.024895e-03	0
C24	5.228533e-03	1.213657e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	4.088813e-03	1.088400e-03	0
C24	1.989742e-03	5.176262e-04	0
C24	8.122212e-03	7.917946e-04	0
C24	1.967700e-03	1.783122e-04	0
C24	1.232032e-02	1.050362e-03	0
C24	1.059211e-03	9.212631e-05	0
C24	4.854966e-04	1.216681e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	1.200798e-03	3.961338e-04	0
C25_33	3.761755e-01	8.677699e-02	0
C25	3.525652e-01	5.465849e-02	0
C26	2.611920e-02	8.291767e-05	0
C27	1.004761e+00	1.006995e-01	0
C27	1.325946e-01	1.049430e-02	0
C28_32	9.713775e-02	4.626547e-02	0
C29	6.640858e-01	3.482053e-01	0
C30	7.018276e-01	1.490440e+00	0
C31	1.988037e-02	2.581643e-02	0
E37-39	2.595907e-03	2.292490e-04	0
E37-39	0.000000e+00	0.000000e+00	0
D35	1.291997e-03	7.828180e-05	0
D35	4.010480e-05	3.737864e-06	0
D35	0.000000e+00	0.000000e+00	0
D35	2.206260e-05	2.054678e-06	0
D35	4.826210e-06	4.552265e-07	0
D35	2.613252e-05	2.434541e-06	0
D35	2.234907e-05	2.078757e-06	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0

D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	1.169505e-05	1.087982e-06	0
D35	4.046617e-04	3.631348e-05	0
D35	9.677727e-04	5.821213e-05	0
D35	1.044124e-03	6.303579e-05	0
D35	1.616746e-03	9.804777e-05	0
E36	4.718442e-04	1.697825e-05	0
F	8.201368e-02	4.560333e-03	0
F	1.222618e-05	1.034619e-06	0
G45	3.926216e-02	2.077099e-03	0
G47	3.149336e-03	1.019182e-03	0
G46	1.056386e+00	3.899175e-02	0
G47	4.792872e-01	1.305072e-02	0
I	5.894705e-01	3.496127e-04	0
H49	5.556554e-02	2.940316e-04	0
H49	6.921174e-02	4.609567e-03	0
H49	5.839599e-04	1.245364e-03	0
H50	0.000000e+00	0.000000e+00	0
H50	0.000000e+00	0.000000e+00	0
H51	3.794906e-01	1.348443e-01	0
H52	3.485796e-02	7.568666e-05	0
H53	4.750060e-02	1.466020e-04	0
K64	4.456834e-02	1.716319e-03	0
K65	1.473831e-04	1.511094e-08	0
K66	2.524969e-03	1.525865e-05	0
L68	3.592862e-03	3.783130e-05	0
M_N	1.559655e-03	8.952998e-05	0
J62_63	1.205479e-01	9.821615e-05	0
M_N	6.096388e-03	1.359714e-04	0
M_N	4.092473e-02	8.171542e-03	0
O84	2.449221e-04	5.760933e-09	0
P85	1.747574e-03	7.915222e-06	0
M_N	1.943163e-03	5.107823e-05	0
E37-39	3.453413e-06	4.090191e-07	0
E37-39	1.553819e-05	2.620607e-06	0
E37-39	2.486629e-05	4.091088e-06	0
E37-39	5.131198e-04	7.063557e-05	0
E37-39	8.770364e-07	1.243504e-07	0
E37-39	4.539716e-05	7.216668e-06	0
E37-39	7.833427e-05	1.128035e-05	0
E37-39	3.933244e-06	7.501046e-07	0
E37-39	4.915272e-07	1.000396e-07	0
E37-39	2.133605e-04	3.242983e-05	0
E37-39	3.601173e-04	4.579860e-05	0
E37-39	2.759657e-06	3.312017e-07	0
E37-39	2.481179e-04	5.635008e-05	0
E37-39	3.544844e-04	9.125400e-05	0

	E37-39	4.281067e-04	6.259604e-05	0
	E37-39	2.375327e-04	3.793502e-05	0
	E37-39	1.703906e-03	9.974660e-06	0
	E37-39	4.194802e-04	5.793878e-05	0
	E37-39	5.096410e-05	9.366207e-06	0
	E37-39	8.092640e-05	1.481234e-05	0
	R_S	4.576995e-03	6.828307e-05	0
	R_S	2.289061e-03	6.288398e-06	0
	R_S	3.198907e-02	2.067840e-05	0
	T	5.030561e-02	4.863143e-02	0
	U	0.000000e+00	0.000000e+00	0
PT	A01	1.326590e-06	1.465792e-07	0
	A01	1.625175e-04	4.623064e-07	0
	A01	2.519963e-03	1.489648e-04	0
	A01	6.936635e-02	1.803205e-03	0
	A01	1.163925e-05	1.229794e-06	0
	A01	1.830482e-06	1.920400e-07	0
	A01	0.000000e+00	0.000000e+00	0
	A01	5.618593e-02	1.823604e-04	0
	A01	8.626921e+00	4.041996e-03	0
	A01	5.068734e-01	3.616609e-03	0
	A01	3.659611e-01	2.617409e-03	0
	A01	1.556552e+00	7.685063e-03	0
	A01	6.127728e-02	1.846593e-04	0
	A01	4.508194e+00	2.813722e-02	0
	A01	2.934438e-12	2.838259e-12	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	1.214887e-04	5.947301e-06	0
	A03	7.091813e-05	3.711078e-06	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	1.500041e-05	4.611315e-06	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	1.870502e-06	6.164789e-09	0
	B_nongas	5.937143e-06	1.477675e-06	0
	B_nongas	2.308239e-06	1.479563e-07	0
	B_nongas	1.275488e-01	8.887819e-06	0
	B_nongas	1.048299e-01	1.080531e-05	0
	B_nongas	1.181240e-02	5.545178e-03	0
	C10-12	1.662260e-03	2.472452e-04	0
	C10-12	4.385029e-03	6.506482e-04	0
	C10-12	1.964714e-03	7.301381e-05	0

C10-12	8.494624e-04	6.674086e-05	0
C10-12	7.821904e-03	7.545987e-04	0
C10-12	8.508202e-02	2.960188e-04	0
C10-12	2.222227e-02	3.223326e-04	0
C10-12	3.414322e-03	5.025410e-04	0
C10-12	1.203331e-01	1.364673e-02	0
C10-12	8.441307e-02	7.924847e-03	0
C10-12	8.444186e-03	5.494779e-07	0
C10-12	6.597618e-03	8.021879e-05	0
C13-15	3.249322e-01	4.583587e-02	0
C13-15	9.224386e-02	4.589511e-04	0
C13-15	7.599981e-02	2.079154e-05	0
C16	8.871394e-02	1.308090e-05	0
C16	1.376983e-02	1.985387e-06	0
C17	5.688222e-02	3.251969e-02	0
C17	1.023997e-02	5.853998e-03	0
C17	2.753788e+00	2.320082e-05	0
C18	2.199737e-01	1.697176e-03	0
C19	0.000000e+00	0.000000e+00	0
C19	5.268345e-02	1.004549e-02	0
C24	3.545152e-08	7.651605e-09	0
C20-21	2.527059e-02	1.206136e-02	0
C20-21	6.101181e-03	2.862885e-03	0
C20-21	1.971392e-04	2.461961e-06	0
C20-21	7.997734e-05	6.013118e-06	0
C20-21	8.681965e-04	3.566858e-05	0
C22	4.078032e-01	2.219643e-03	0
C23	5.848812e-03	1.277105e-04	0
C23	1.901768e-03	4.266628e-05	0
C23	2.061735e-02	4.349439e-05	0
C23	6.292805e-05	7.291589e-05	0
C23	4.830430e-04	2.635447e-05	0
C23	2.691916e-05	2.402371e-06	0
C23	1.755440e-04	2.869864e-05	0
C24	2.689608e-03	5.102708e-04	0
C24	4.729333e-03	9.005992e-04	0
C24	5.574189e-04	2.555817e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	2.941323e-04	5.344181e-06	0
C24	2.526549e-04	5.335520e-06	0
C24	1.498018e-04	2.521034e-06	0
C24	9.761070e-05	1.603473e-06	0
C24	8.843839e-04	6.284028e-06	0
C24	4.575826e-06	2.815033e-08	0
C24	2.684537e-04	1.378938e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	1.667284e-04	1.267190e-05	0
C25_33	8.973107e-02	8.096972e-03	0

C25	5.078963e-02	3.412172e-04	0
C26	5.125069e-03	3.581504e-06	0
C27	2.304267e-01	1.659777e-02	0
C27	3.517876e-02	1.485153e-03	0
C28_32	1.849914e-02	8.774587e-04	0
C29	8.078428e-02	4.260237e-02	0
C30	1.003427e-02	1.497650e-02	0
C31	4.051789e-03	4.737005e-04	0
E37-39	1.946829e-04	2.763094e-05	0
E37-39	2.844016e-04	3.096282e-05	0
D35	3.602382e-05	2.602217e-06	0
D35	8.737250e-05	5.477290e-06	0
D35	0.000000e+00	0.000000e+00	0
D35	3.322596e-05	2.189907e-06	0
D35	2.969650e-05	2.191755e-06	0
D35	1.624105e-05	1.170442e-06	0
D35	6.864448e-06	5.234613e-07	0
D35	3.031350e-07	2.238061e-08	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	2.736174e-07	2.440805e-08	0
D35	0.000000e+00	0.000000e+00	0
D35	6.398574e-05	4.880697e-06	0
D35	2.510847e-04	1.699368e-05	0
D35	2.087912e-05	1.328835e-06	0
D35	3.597910e-08	1.887356e-09	0
E36	4.989021e-05	1.636018e-06	0
F	1.214962e-02	4.686162e-04	0
F	0.000000e+00	0.000000e+00	0
G45	1.036832e-02	1.067029e-04	0
G47	3.140776e-05	6.712984e-05	0
G46	7.352421e-02	4.774482e-03	0
G47	2.256430e-02	6.684075e-03	0
I	3.716261e-02	3.622807e-05	0
H49	5.166194e-03	1.520871e-06	0
H49	3.961734e-03	2.405377e-04	0
H49	1.429165e-05	7.241234e-05	0
H50	9.991446e-05	5.166684e-05	0
H50	1.701218e-04	1.482662e-06	0
H51	1.080922e-02	1.692023e-03	0
H52	2.321215e-03	3.217072e-06	0
H53	7.060939e-03	8.299728e-05	0
K64	2.405196e-02	9.929043e-04	0
K65	3.110348e-08	4.735676e-10	0
K66	1.158446e-06	1.019271e-06	0
L68	1.701057e-04	8.099756e-07	0
M_N	1.871431e-05	6.356281e-07	0
J62_63	1.203067e-02	9.068530e-07	0

	M_N	5.242762e-04	1.251844e-06	0
	M_N	1.304032e-03	6.949621e-06	0
	O84	8.512470e-03	6.540487e-05	0
	P85	1.411874e-04	3.114216e-07	0
	M_N	1.619813e-04	4.028803e-06	0
	E37-39	1.407658e-06	3.534581e-08	0
	E37-39	1.127836e-06	2.801550e-08	0
	E37-39	2.606554e-07	4.086564e-09	0
	E37-39	2.968969e-06	8.746944e-08	0
	E37-39	4.953315e-07	8.002211e-09	0
	E37-39	6.228557e-07	1.134590e-08	0
	E37-39	1.197531e-06	2.811221e-08	0
	E37-39	2.229790e-07	6.408211e-09	0
	E37-39	3.052016e-08	8.780547e-10	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	7.929186e-07	1.711404e-08	0
	E37-39	3.555296e-07	3.903527e-09	0
	E37-39	8.293962e-07	1.158025e-07	0
	E37-39	1.915658e-06	2.666799e-07	0
	E37-39	3.840111e-06	1.108282e-07	0
	E37-39	2.539818e-06	7.314453e-08	0
	E37-39	8.411261e-05	9.279387e-09	0
	E37-39	2.965726e-06	8.176165e-08	0
	E37-39	5.696682e-07	1.406307e-08	0
	E37-39	7.004319e-07	1.744513e-08	0
	R_S	9.966264e-03	7.066173e-05	0
	R_S	2.158428e-04	6.820081e-06	0
	R_S	1.019329e-03	2.040256e-05	0
	T	1.647408e-02	1.592581e-02	0
	U	0.000000e+00	0.000000e+00	0
RO	A01	0.000000e+00	0.000000e+00	0
	A01	4.655977e+00	4.463805e-01	0
	A01	4.205923e+00	2.941358e-01	0
	A01	1.370341e-02	3.016381e-04	0
	A01	8.823974e-02	2.016368e-03	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	4.668036e-01	1.313335e-03	0
	A01	3.090373e+00	4.220196e-03	0
	A01	7.913152e-01	5.666482e-03	0
	A01	2.272296e+00	1.627148e-02	0
	A01	9.144487e-01	6.190831e-03	0
	A01	2.939676e-01	1.933344e-03	0
	A01	5.319827e+00	3.522415e-02	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	9.695228e-07	1.943570e-07	0

A03	2.163335e-09	6.257559e-10	0
B_nongas	4.448398e-09	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_gas	0.000000e+00	0.000000e+00	0
B_gas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	4.967538e-03	1.986304e-08	0
B_nongas	4.939833e-03	1.324607e-08	0
B_nongas	4.971780e-02	2.334647e-02	0
C10-12	1.360731e-03	1.678928e-04	0
C10-12	7.985549e-04	1.185481e-04	0
C10-12	4.527675e-04	6.156171e-05	0
C10-12	5.523865e-02	5.933922e-05	0
C10-12	1.273088e-01	1.441776e-03	0
C10-12	3.616173e-02	9.813720e-05	0
C10-12	1.163452e-04	1.727100e-05	0
C10-12	6.652181e-03	9.781477e-04	0
C10-12	9.234619e-02	9.682491e-03	0
C10-12	7.001143e-02	8.977440e-03	0
C10-12	1.282292e-04	4.599037e-09	0
C10-12	3.311683e-02	3.978896e-04	0
C13-15	1.168026e-01	1.727650e-02	0
C13-15	3.777999e-02	2.456417e-06	0
C13-15	1.309464e-02	4.613006e-07	0
C16	8.420690e-01	6.782635e-05	0
C16	0.000000e+00	0.000000e+00	0
C17	1.894282e-04	1.083559e-04	0
C17	0.000000e+00	0.000000e+00	0
C17	3.446588e-01	1.970955e-06	0
C18	1.336848e-02	2.037923e-07	0
C19	5.098745e-06	1.897528e-07	0
C19	2.966540e+00	6.440036e-01	0
C24	0.000000e+00	0.000000e+00	0
C20-21	1.490176e-02	7.955823e-03	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	3.200361e-04	2.193564e-05	0
C20-21	1.020613e-03	4.097733e-05	0
C22	9.693634e-01	4.418074e-03	0
C23	6.049902e-03	1.273571e-04	0
C23	0.000000e+00	0.000000e+00	0

[illegible]

G45	3.707837e-02	1.579393e-05	0
G47	8.665791e-07	2.010234e-04	0
G46	3.601955e-02	1.187008e-02	0
G47	2.215565e-02	1.037436e-02	0
I	9.110772e-01	9.393058e-05	0
H49	7.269202e-02	3.443406e-06	0
H49	6.741499e-02	4.116273e-03	0
H49	6.107557e-06	1.969709e-03	0
H50	1.615176e-02	8.381074e-03	0
H50	8.864450e-04	7.617658e-06	0
H51	7.057270e-02	2.532067e-02	0
H52	1.328275e-02	4.877496e-07	0
H53	6.386662e-02	4.293376e-06	0
K64	5.157897e-02	2.148378e-03	0
K65	2.603543e-08	0.000000e+00	0
K66	5.203812e-06	5.069565e-06	0
L68	1.576531e-05	7.585877e-07	0
M_N	3.129458e-06	3.281800e-07	0
J62_63	1.206665e-01	9.088983e-06	0
M_N	1.951989e-03	7.915545e-07	0
M_N	1.802048e-02	1.746662e-06	0
O84	3.447908e-08	0.000000e+00	0
P85	6.361310e-07	3.807527e-08	0
M_N	2.117773e-06	5.958412e-07	0
E37-39	2.102694e-07	2.212658e-09	0
E37-39	1.812105e-07	2.101446e-09	0
E37-39	4.011114e-08	0.000000e+00	0
E37-39	7.513084e-05	1.979072e-06	0
E37-39	1.856168e-07	1.738387e-09	0
E37-39	1.771359e-07	2.229092e-09	0
E37-39	3.267941e-05	5.863630e-07	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	7.793009e-06	8.353191e-08	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	3.206304e-05	3.935407e-05	0
E37-39	6.294290e-05	8.491880e-05	0
E37-39	2.826227e-05	3.466104e-07	0
E37-39	2.213593e-05	2.709508e-07	0
E37-39	1.178270e-03	0.000000e+00	0
E37-39	1.995025e-05	2.529191e-07	0
E37-39	3.901260e-06	0.000000e+00	0
E37-39	5.397262e-06	0.000000e+00	0
R_S	0.000000e+00	0.000000e+00	0
R_S	0.000000e+00	0.000000e+00	0
R_S	0.000000e+00	0.000000e+00	0
T	0.000000e+00	0.000000e+00	0

	U	0.000000e+00	0.000000e+00	0
SE	A01	0.000000e+00	0.000000e+00	0
	A01	3.260223e-04	8.980378e-07	0
	A01	6.611051e-04	1.844936e-06	0
	A01	1.432362e-04	3.127446e-06	0
	A01	4.646220e-04	1.060658e-05	0
	A01	1.064335e-06	1.374671e-10	0
	A01	0.000000e+00	0.000000e+00	0
	A01	5.533068e-03	1.213964e-05	0
	A01	1.555244e-03	1.092359e-05	0
	A01	7.380972e-04	4.595923e-06	0
	A01	2.869158e-04	1.978647e-06	0
	A01	6.040751e-04	3.337236e-06	0
	A01	1.308852e-04	1.614332e-06	0
	A01	1.324774e-03	9.201050e-06	0
	A01	4.920802e-08	7.614141e-12	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	1.865632e-02	1.886199e-06	0
	A03	5.719304e-10	1.489601e-10	0
	B_nongas	5.079126e-04	1.216969e-04	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_gas	2.067500e-05	2.275639e-09	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	3.430146e+00	2.365743e-06	0
	B_nongas	1.943379e-03	2.779388e-04	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	1.961384e-05	7.094347e-06	0
	B_nongas	1.928152e-04	4.091601e-05	0
	B_nongas	4.297351e-12	2.322952e-14	0
	B_nongas	2.557858e-04	4.668222e-06	0
	B_nongas	2.323727e-03	2.701264e-06	0
	B_nongas	1.245226e-03	5.632444e-04	0
	C10-12	5.720922e-03	8.695047e-04	0
	C10-12	7.139478e-03	7.551657e-04	0
	C10-12	1.469915e-03	6.368534e-05	0
	C10-12	2.087859e-02	3.048691e-03	0
	C10-12	1.924530e-03	5.917418e-05	0
	C10-12	7.986321e-01	3.251719e-04	0
	C10-12	1.018367e-05	7.808521e-09	0
	C10-12	2.212178e-03	1.704314e-04	0
	C10-12	9.751821e-02	7.856166e-03	0
	C10-12	6.754084e-02	4.430763e-03	0
	C10-12	1.699841e-03	6.374207e-05	0
	C10-12	0.000000e+00	0.000000e+00	0
	C13-15	6.833057e-02	1.014841e-02	0

C13-15	4.187081e-03	1.817387e-04	0
C13-15	3.524960e-03	2.421818e-05	0
C16	1.007077e+00	1.240521e-04	0
C16	8.132865e-03	7.548630e-06	0
C17	4.662423e-02	2.573551e-02	0
C17	1.016266e-02	5.619042e-03	0
C17	3.338931e+00	4.859470e-04	0
C18	6.732514e-02	2.662772e-04	0
C19	2.173674e-04	2.977817e-05	0
C19	2.659731e-02	4.761967e-03	0
C24	3.084515e-03	7.350613e-05	0
C20-21	4.310107e-02	1.282685e-02	0
C20-21	8.863786e-02	2.562425e-02	0
C20-21	2.462582e-05	2.907337e-08	0
C20-21	4.702854e-05	2.259552e-07	0
C20-21	3.657824e-04	3.357535e-05	0
C22	6.088163e-01	3.858195e-03	0
C23	1.203106e-02	1.209893e-04	0
C23	6.465483e-03	7.711530e-05	0
C23	2.277211e-02	9.566580e-05	0
C23	1.285250e-03	6.555183e-06	0
C23	1.355694e-01	5.085018e-04	0
C23	3.889791e-03	1.995651e-05	0
C23	1.169064e-02	6.167328e-05	0
C24	1.008518e-01	1.912087e-02	0
C24	3.707505e-02	7.081423e-03	0
C24	1.731369e-02	8.317104e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	1.949502e-03	5.845961e-05	0
C24	5.474276e-04	4.183642e-05	0
C24	9.916433e-04	8.192814e-05	0
C24	5.461678e-04	4.446224e-05	0
C24	1.173906e-02	8.367017e-04	0
C24	1.718884e-06	1.764378e-07	0
C24	9.300423e-03	1.247488e-05	0
C24	1.046233e-04	1.873783e-07	0
C24	8.038639e-04	9.853185e-05	0
C25_33	1.009003e-01	7.988888e-03	0
C25	4.402163e-01	7.568136e-03	0
C26	3.284730e-02	1.160157e-03	0
C27	1.080543e+00	7.488318e-02	0
C27	2.950433e-01	9.977747e-03	0
C28_32	1.371630e-01	5.816828e-04	0
C29	1.591027e+00	8.876482e-01	0
C30	4.519487e-02	7.985915e-02	0
C31	1.660069e-02	1.703076e-03	0
E37-39	4.140654e-05	9.627211e-06	0
E37-39	3.717742e-04	1.224535e-04	0

D35	2.220446e-04	1.518163e-08	0
D35	3.113970e-06	3.551785e-10	0
D35	9.949121e-04	1.065621e-07	0
D35	9.838553e-04	1.000871e-07	0
D35	1.972064e-05	2.116046e-09	0
D35	7.082575e-06	7.600328e-10	0
D35	7.078468e-05	7.594267e-09	0
D35	1.820455e-07	5.470657e-12	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	2.102108e-04	1.704195e-08	0
D35	5.769901e-04	6.184676e-08	0
D35	1.979812e-03	1.915963e-07	0
D35	5.778987e-05	6.194133e-09	0
D35	3.872213e-03	4.181445e-07	0
E36	1.909976e-04	1.242252e-07	0
F	7.409555e-01	1.597872e-03	0
F	2.381849e-03	9.738591e-06	0
G45	4.244504e-01	2.727879e-04	0
G47	1.996376e-03	2.321727e-03	0
G46	5.997952e-01	1.178100e-01	0
G47	2.769373e-01	7.987969e-02	0
I	1.094232e-01	2.556276e-04	0
H49	8.778503e-02	1.973910e-04	0
H49	1.490363e-01	9.134973e-03	0
H49	1.252036e-03	2.888944e-03	0
H50	3.255511e-02	1.465048e-02	0
H50	1.835923e-03	2.678115e-05	0
H51	5.383465e-02	1.982796e-02	0
H52	2.459241e-01	6.401152e-04	0
H53	1.660348e-01	3.701224e-04	0
K64	2.245889e-01	8.707885e-03	0
K65	7.081905e-03	5.934084e-07	0
K66	2.168189e-03	9.637671e-06	0
L68	5.914181e-04	4.630135e-06	0
M_N	2.130345e-03	2.499686e-04	0
J62_63	1.133196e+00	1.049544e-04	0
M_N	1.310800e-02	6.818366e-04	0
M_N	8.548680e-02	4.304181e-03	0
O84	1.228748e-02	2.184896e-05	0
P85	7.525136e-03	1.024117e-04	0
M_N	9.523912e-03	2.097863e-04	0
E37-39	1.642204e-05	4.110536e-07	0
E37-39	1.348239e-05	3.266858e-07	0
E37-39	4.059768e-06	6.630873e-08	0
E37-39	6.149233e-05	1.713216e-06	0
E37-39	3.844677e-06	7.478217e-08	0

	E37-39	1.368055e-05	3.062492e-07	0
	E37-39	2.039981e-05	4.836082e-07	0
	E37-39	2.075879e-07	6.064180e-07	0
	E37-39	5.263401e-08	2.022792e-09	0
	E37-39	7.622849e-06	1.921452e-07	0
	E37-39	1.294793e-05	2.940626e-07	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	3.259890e-06	6.888464e-07	0
	E37-39	6.379040e-06	1.860236e-06	0
	E37-39	2.145748e-07	2.526663e-08	0
	E37-39	3.262795e-06	1.093277e-07	0
	E37-39	8.871774e-05	4.667913e-06	0
	E37-39	9.746460e-06	2.968943e-07	0
	E37-39	2.247690e-05	4.719259e-09	0
	E37-39	2.895510e-05	6.166530e-09	0
	R_S	1.803038e-02	1.305115e-04	0
	R_S	6.690047e-03	2.136505e-04	0
	R_S	2.937317e-02	2.253033e-04	0
	T	6.385170e-02	6.172670e-02	0
	U	0.000000e+00	0.000000e+00	0
SI	A01	0.000000e+00	0.000000e+00	0
	A01	1.132813e-06	4.637565e-09	0
	A01	8.492674e-05	5.838151e-06	0
	A01	2.048425e-02	4.508655e-04	0
	A01	1.151629e-03	2.631528e-05	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	1.416208e-03	1.130854e-04	0
	A01	3.176260e-01	2.370752e-07	0
	A01	1.215112e-05	8.620246e-08	0
	A01	9.127605e-06	6.445096e-08	0
	A01	5.481296e-03	2.498033e-05	0
	A01	7.883182e-03	3.141255e-05	0
	A01	5.379045e-02	6.443110e-07	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	1.917959e-03	3.517782e-05	0
	A03	1.836721e-05	5.856683e-06	0
	B_nongas	3.832676e-05	7.731360e-06	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0

B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	7.104260e-04	2.604371e-05	0
B_nongas	8.792204e-05	5.921632e-06	0
B_nongas	9.064028e-07	4.207114e-07	0
C10-12	4.363714e-04	6.390972e-05	0
C10-12	3.095225e-04	2.643275e-05	0
C10-12	8.544278e-04	1.827434e-05	0
C10-12	8.027688e-04	1.161284e-05	0
C10-12	7.636589e-04	1.087994e-04	0
C10-12	3.277526e-03	9.146313e-05	0
C10-12	2.637307e-05	3.757922e-06	0
C10-12	4.192638e-04	6.148920e-05	0
C10-12	1.794900e-02	2.444151e-03	0
C10-12	6.436728e-03	8.555001e-04	0
C10-12	8.899081e-04	6.635638e-07	0
C10-12	0.000000e+00	0.000000e+00	0
C13-15	4.477600e-02	6.522897e-03	0
C13-15	3.625717e-03	1.456549e-04	0
C13-15	6.971102e-03	7.346339e-05	0
C16	1.011529e-01	3.910612e-03	0
C16	1.205834e-02	5.076026e-04	0
C17	1.044907e-04	9.517970e-07	0
C17	1.007861e-03	6.027817e-06	0
C17	3.313497e-01	1.426576e-05	0
C18	8.175545e-03	7.254848e-05	0
C19	0.000000e+00	0.000000e+00	0
C19	0.000000e+00	0.000000e+00	0
C24	1.159384e-04	5.152353e-05	0
C20-21	7.150254e-04	7.629587e-06	0
C20-21	1.259281e-02	6.573343e-03	0
C20-21	1.670650e-06	1.239907e-07	0
C20-21	9.494069e-05	6.828847e-06	0
C20-21	5.614939e-03	1.391587e-04	0
C22	1.976242e-01	1.342136e-02	0
C23	1.047375e-04	4.041900e-06	0
C23	2.277496e-04	8.786048e-06	0
C23	7.551131e-04	2.125216e-05	0
C23	3.735123e-04	4.822243e-05	0
C23	4.105766e-03	2.595772e-04	0
C23	4.546325e-04	5.835861e-05	0
C23	1.413764e-03	1.344414e-04	0
C24	1.690320e-03	3.504349e-04	0
C24	1.322854e-02	2.700083e-03	0
C24	1.793860e-05	9.978308e-07	0
C24	0.000000e+00	0.000000e+00	0
C24	2.462970e-03	5.384217e-04	0

C24	1.712009e-04	1.505456e-05	0
C24	5.096875e-04	2.463857e-05	0
C24	1.232499e-03	4.075899e-05	0
C24	7.234592e-04	1.035440e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	5.529682e-04	2.409066e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	1.735709e-03	4.028652e-04	0
C25_33	4.804339e-02	5.529703e-03	0
C25	7.143242e-02	4.575934e-03	0
C26	1.605749e-03	3.056438e-05	0
C27	1.098439e-01	7.580490e-03	0
C27	2.678318e-02	1.444299e-03	0
C28_32	2.587973e-02	4.480929e-04	0
C29	3.027332e-01	1.603497e-01	0
C30	4.404236e-03	7.956356e-03	0
C31	1.110954e-02	1.684513e-04	0
E37-39	2.958631e-06	2.572035e-08	0
E37-39	5.172305e-04	1.313675e-05	0
D35	1.417398e-04	2.586073e-05	0
D35	9.360848e-06	1.690347e-06	0
D35	1.055813e-04	1.912651e-05	0
D35	6.122641e-05	1.110357e-05	0
D35	0.000000e+00	0.000000e+00	0
D35	4.046598e-06	1.096890e-07	0
D35	5.983915e-06	1.087776e-06	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	4.302857e-05	7.959130e-06	0
D35	4.367333e-04	8.458125e-05	0
D35	2.969849e-05	5.193713e-06	0
D35	1.955753e-04	3.537091e-05	0
E36	9.718099e-05	6.845082e-06	0
F	2.238434e-02	2.908055e-04	0
F	1.384641e-05	6.084244e-07	0
G45	1.629017e-02	6.935165e-05	0
G47	6.122265e-04	2.713997e-04	0
G46	3.433301e-02	3.163383e-03	0
G47	3.255153e-02	2.516002e-03	0
I	1.855048e-01	2.448696e-05	0
H49	5.196307e-02	9.885990e-05	0
H49	1.364112e-01	8.356886e-03	0
H49	1.229023e-04	6.641815e-04	0
H50	3.372239e-02	1.740044e-02	0
H50	2.446071e-05	1.283828e-07	0

	H51	4.806250e-02	1.705076e-02	0
	H52	4.136078e-02	2.263945e-03	0
	H53	2.486746e-02	1.215275e-05	0
	K64	2.161310e-02	1.144133e-03	0
	K65	2.221757e-04	1.673130e-08	0
	K66	1.993857e-04	1.071249e-05	0
	L68	6.293413e-03	1.245846e-04	0
	M_N	3.221111e-04	9.621194e-06	0
	J62_63	3.285830e-02	5.378666e-05	0
	M_N	1.395577e-03	3.560847e-05	0
	M_N	8.762972e-03	9.371188e-05	0
	O84	3.137071e-03	2.602289e-06	0
	P85	2.653824e-03	5.319344e-06	0
	M_N	1.630578e-03	1.251628e-04	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	2.813846e-09	1.347082e-11	0
	E37-39	1.568311e-07	1.148025e-09	0
	E37-39	9.134324e-05	1.722856e-06	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	3.286745e-07	4.532254e-09	0
	E37-39	9.696076e-06	1.816651e-07	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	3.909167e-06	7.156067e-08	0
	E37-39	5.829710e-06	1.062474e-07	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	1.598475e-05	4.863756e-07	0
	E37-39	2.571787e-05	9.319253e-07	0
	E37-39	5.059312e-05	9.461049e-07	0
	E37-39	3.564022e-05	6.655106e-07	0
	E37-39	5.243927e-05	7.008635e-08	0
	E37-39	5.468720e-05	1.006224e-06	0
	E37-39	7.238952e-06	1.341671e-07	0
	E37-39	9.625842e-06	1.785932e-07	0
	R_S	7.280222e-04	3.134725e-06	0
	R_S	2.510842e-03	7.970891e-05	0
	R_S	2.816030e-03	1.946896e-05	0
	T	8.882118e-03	8.586519e-03	0
	U	0.000000e+00	0.000000e+00	0
SK	A01	0.000000e+00	0.000000e+00	0
	A01	3.446873e-06	9.689745e-09	0
	A01	1.053200e-02	7.373436e-04	0
	A01	7.095131e-03	1.561772e-04	0
	A01	1.194501e-03	2.729554e-05	0
	A01	2.331275e-10	5.831116e-14	0
	A01	0.000000e+00	0.000000e+00	0
	A01	5.418138e-04	4.469135e-05	0
	A01	2.286714e-02	9.645474e-06	0

A01	1.936710e-03	1.384773e-05	0
A01	1.569392e-03	1.122135e-05	0
A01	3.934287e-04	1.694311e-05	0
A01	2.993147e-04	1.300958e-05	0
A01	1.170503e-02	5.290364e-05	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A02	1.895684e-04	2.665155e-05	0
A03	1.191084e-06	4.959583e-07	0
B_nongas	1.230024e-04	5.317478e-07	0
B_nongas	4.641160e-07	1.260863e-08	0
B_gas	9.364069e-06	1.131354e-07	0
B_gas	1.239161e-06	3.749559e-08	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	5.837383e-08	1.321010e-09	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	9.636205e-07	7.549799e-09	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	2.616504e-05	4.752470e-07	0
B_nongas	4.530016e-05	1.048235e-06	0
B_nongas	1.223424e-03	5.563214e-04	0
C10-12	1.922632e-04	2.269247e-05	0
C10-12	5.540823e-04	2.777687e-05	0
C10-12	8.954014e-04	2.598724e-05	0
C10-12	8.506485e-04	1.326870e-05	0
C10-12	3.012157e-04	2.780990e-05	0
C10-12	9.857273e-03	1.158912e-04	0
C10-12	2.310939e-05	2.818478e-06	0
C10-12	8.210203e-04	8.299663e-05	0
C10-12	2.018993e-02	2.478379e-03	0
C10-12	8.921828e-03	1.189369e-03	0
C10-12	1.447557e-04	1.368372e-06	0
C10-12	1.081196e-04	1.299484e-06	0
C13-15	1.447654e-02	1.927041e-03	0
C13-15	1.475886e-02	3.118027e-05	0
C13-15	1.010626e-02	2.936020e-06	0
C16	8.316681e-03	6.332357e-05	0
C16	4.558343e-03	3.697282e-05	0
C17	2.035852e-03	6.745191e-05	0
C17	3.719857e-04	2.693534e-05	0
C17	3.057299e-01	9.345603e-06	0
C18	1.227991e-02	2.054167e-05	0
C19	1.167272e-05	5.543437e-06	0
C19	9.147520e-04	1.857237e-04	0

C24	3.670549e-08	1.718732e-08	0
C20-21	1.041663e-02	1.237856e-03	0
C20-21	2.396550e-03	3.797960e-04	0
C20-21	1.091924e-06	3.318572e-07	0
C20-21	4.025267e-06	7.570699e-07	0
C20-21	7.717239e-06	3.040743e-06	0
C22	2.054765e-01	1.529031e-03	0
C23	2.832915e-03	6.053839e-05	0
C23	3.608700e-04	7.802660e-06	0
C23	3.852059e-04	2.052182e-05	0
C23	1.101669e-04	3.646315e-05	0
C23	4.513478e-04	3.315916e-05	0
C23	1.112157e-04	3.694923e-05	0
C23	8.310195e-05	2.573606e-05	0
C24	4.404546e-03	7.986919e-04	0
C24	9.425102e-04	1.730888e-04	0
C24	3.150218e-01	1.301633e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	7.797263e-04	4.386681e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	3.276082e-04	5.194785e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	6.893813e-04	4.153540e-05	0
C24	3.353828e-04	5.143609e-05	0
C24	2.477257e-05	1.808152e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	4.730381e-04	4.942758e-05	0
C25_33	4.732932e-02	7.946822e-03	0
C25	6.176913e-02	1.329428e-03	0
C26	8.813436e-03	1.527304e-04	0
C27	2.919477e-01	2.307416e-02	0
C27	1.081161e-01	8.803973e-03	0
C28_32	1.821681e-02	6.863751e-05	0
C29	1.643979e+00	9.268439e-01	0
C30	6.822967e-03	8.837992e-03	0
C31	3.006449e-03	1.748282e-04	0
E37-39	2.386364e-04	1.242396e-05	0
E37-39	1.483763e-03	1.706570e-05	0
D35	7.600260e-05	8.997686e-06	0
D35	8.204375e-05	9.715912e-06	0
D35	1.928583e-04	1.287385e-05	0
D35	6.027345e-05	7.138775e-06	0
D35	9.324781e-08	1.641994e-08	0
D35	2.394191e-05	2.835715e-06	0
D35	7.649984e-06	9.054965e-07	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0

D35	0.000000e+00	0.000000e+00	0
D35	9.965626e-06	1.179781e-06	0
D35	1.112591e-04	1.317742e-05	0
D35	2.224461e-04	2.634632e-05	0
D35	2.479186e-04	2.936429e-05	0
D35	3.314411e-05	3.922496e-06	0
E36	6.489381e-05	1.237808e-05	0
F	1.425504e-02	8.796737e-04	0
F	1.611736e-06	1.098222e-07	0
G45	1.130904e-02	4.496888e-03	0
G47	1.015753e-03	5.805046e-04	0
G46	6.259084e-02	2.872991e-03	0
G47	1.143076e-02	8.061811e-04	0
I	8.424993e-02	1.748913e-05	0
H49	1.046983e-02	3.900385e-05	0
H49	5.802757e-03	5.661123e-04	0
H49	3.549474e-04	1.711494e-04	0
H50	9.679560e-05	1.327066e-05	0
H50	3.220939e-05	2.723731e-07	0
H51	4.494862e-03	9.707436e-04	0
H52	8.920439e-03	2.096464e-04	0
H53	3.136970e-03	4.013893e-05	0
K64	2.932697e-03	1.222606e-04	0
K65	4.538609e-09	0.000000e+00	0
K66	3.261455e-05	1.782978e-06	0
L68	1.519272e-03	2.833279e-04	0
M_N	5.662143e-03	1.194859e-04	0
J62_63	1.031326e-02	9.043653e-06	0
M_N	7.108370e-04	1.398861e-05	0
M_N	2.346894e-02	4.781557e-03	0
O84	2.781583e-03	5.143047e-06	0
P85	1.972475e-03	1.053933e-05	0
M_N	2.695993e-03	4.939649e-06	0
E37-39	1.367313e-05	1.177328e-06	0
E37-39	1.146521e-05	9.843717e-07	0
E37-39	2.107156e-06	1.593404e-07	0
E37-39	7.284910e-05	6.290170e-06	0
E37-39	2.625320e-06	1.967454e-07	0
E37-39	5.461896e-06	4.502662e-07	0
E37-39	1.858088e-05	1.579793e-06	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	4.064315e-05	3.543679e-06	0
E37-39	4.191663e-05	3.640449e-06	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	3.246906e-05	3.042798e-06	0
E37-39	5.166172e-05	4.860506e-06	0
E37-39	8.700628e-05	7.515157e-06	0

	E37-39	5.042233e-05	4.410063e-06	0
	E37-39	9.767342e-05	4.575985e-07	0
	E37-39	2.566616e-04	7.736301e-06	0
	E37-39	1.053801e-05	9.146906e-07	0
	E37-39	1.307825e-05	1.135746e-06	0
	R_S	9.238462e-04	8.996262e-05	0
	R_S	1.324699e-03	9.559823e-06	0
	R_S	8.315889e-04	7.276401e-05	0
	T	0.000000e+00	0.000000e+00	0
	U	0.000000e+00	0.000000e+00	0
GB	A01	0.000000e+00	0.000000e+00	0
	A01	1.374044e-02	1.251307e-04	0
	A01	1.623044e-02	1.011812e-03	0
	A01	8.711523e-01	1.917572e-02	0
	A01	6.223831e-02	1.422216e-03	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	3.373770e-09	0
	A01	2.309924e-01	7.682605e-04	0
	A01	6.314335e-01	4.515084e-03	0
	A01	1.089369e-01	7.795887e-04	0
	A01	1.910489e-01	1.367814e-03	0
	A01	9.372050e-01	6.717742e-03	0
	A01	2.595730e-03	1.741701e-05	0
	A01	8.303817e-04	6.385253e-07	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	6.134005e-03	1.708139e-06	0
	A03	9.240292e-04	2.520375e-05	0
	B_nongas	6.187628e-02	1.758823e-02	0
	B_nongas	2.714590e-02	3.336498e-04	0
	B_gas	7.099310e-02	8.606069e-04	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	8.076226e-09	4.556509e-10	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	1.045637e-04	7.007067e-06	0
	B_nongas	8.548501e-07	3.856233e-08	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	2.380366e-01	1.148307e-02	0
	B_nongas	9.509412e-02	3.495070e-03	0
	B_nongas	9.152366e-01	4.465074e-02	0
	C10-12	1.091363e-01	1.538989e-02	0
	C10-12	6.308809e-02	9.362173e-03	0
	C10-12	1.078810e-02	1.411256e-03	0
	C10-12	7.582634e-02	1.866114e-03	0

C10-12	4.299068e-02	5.460392e-03	0
C10-12	1.452989e+00	5.525445e-03	0
C10-12	1.364490e-02	1.867063e-03	0
C10-12	6.500901e-04	1.383886e-04	0
C10-12	3.450224e+00	2.664506e-01	0
C10-12	9.419304e-01	1.273248e-01	0
C10-12	1.428054e-01	1.300344e-03	0
C10-12	2.453418e-02	2.056616e-04	0
C13-15	1.609997e+00	2.330143e-01	0
C13-15	3.246593e-01	4.371700e-03	0
C13-15	2.187794e-01	1.308485e-01	0
C16	1.295936e-01	5.817174e-03	0
C16	8.004491e-02	3.131103e-03	0
C17	4.960548e-03	8.692994e-04	0
C17	4.706842e-02	8.183267e-03	0
C17	2.967115e+00	8.529576e-03	0
C18	4.039500e+00	6.334220e-03	0
C19	6.237116e-03	1.125503e-06	0
C19	1.787902e+00	3.507380e-01	0
C24	3.502235e-02	2.636039e-06	0
C20-21	5.890567e-01	2.084565e-01	0
C20-21	1.036831e-01	2.891820e-02	0
C20-21	1.954340e-04	2.274143e-06	0
C20-21	9.030954e-04	5.537392e-05	0
C20-21	7.655174e-02	1.401051e-02	0
C22	5.754700e+00	2.456749e-01	0
C23	3.809410e-02	7.266728e-03	0
C23	1.544655e-02	7.377844e-04	0
C23	5.386962e-02	5.932751e-04	0
C23	4.258046e-03	4.306118e-04	0
C23	5.402245e-02	3.051974e-02	0
C23	8.757834e-03	2.559359e-04	0
C23	1.276279e-02	6.009615e-03	0
C24	3.696418e-01	8.931997e-02	0
C24	1.557506e-01	3.752410e-02	0
C24	3.077902e+00	1.700005e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	2.495572e-02	1.495326e-02	0
C24	3.822502e-02	2.744098e-02	0
C24	2.370605e-01	9.378655e-03	0
C24	1.550702e-01	2.538614e-03	0
C24	1.434642e-01	1.412341e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	1.340877e-01	1.316814e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	6.210588e-02	5.042398e-02	0
C25_33	5.153948e+00	3.887319e+00	0
C25	6.219943e+00	4.321752e+00	0

C26	1.074819e+00	6.423637e-01	0
C27	3.175107e+00	1.806738e+00	0
C27	1.529131e+00	9.446841e-01	0
C28_32	1.724969e+00	1.788536e+00	0
C29	6.037592e+00	5.111945e+00	0
C30	3.528551e+00	2.766933e+00	0
C31	1.235527e+00	1.855675e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	2.567251e-04	3.824926e-05	0
D35	1.253719e-03	1.741764e-05	0
D35	1.301776e-02	1.032949e-04	0
D35	9.342232e-04	1.141611e-05	0
D35	7.927938e-05	8.211882e-07	0
D35	6.670093e-05	9.925256e-07	0
D35	4.115564e-04	4.568952e-06	0
D35	1.458762e-04	1.703826e-06	0
D35	1.674860e-07	3.339237e-09	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	6.398610e-05	7.592056e-07	0
D35	3.653262e-03	4.577253e-05	0
D35	1.523824e-02	1.540305e-04	0
D35	7.562608e-03	5.168956e-05	0
D35	7.666062e-05	6.526546e-07	0
E36	8.296403e-03	1.787347e-05	0
F	1.187722e+00	4.269714e-05	0
F	1.536791e-03	2.144520e-06	0
G45	2.764920e+00	1.210380e-03	0
G47	6.202072e-03	1.100336e-02	0
G46	1.582287e+00	4.035679e-01	0
G47	2.737959e+00	5.193224e-01	0
I	7.461658e+00	7.797638e-04	0
H49	2.033642e+00	9.708765e-05	0
H49	1.512729e+00	8.909962e-02	0
H49	4.666431e-04	2.556892e-03	0
H50	3.271161e-01	1.603223e-01	0
H50	8.082193e-03	1.090650e-04	0
H51	7.723848e+00	2.756793e+00	0
H52	1.317571e+00	5.517235e-05	0
H53	1.857429e+00	1.098199e-03	0
K64	8.360542e+00	3.416177e-01	0
K65	2.661736e-02	4.140942e-06	0
K66	1.039545e-01	5.837247e-04	0
L68	5.986372e-03	5.633681e-05	0
M_N	1.138691e-02	4.262305e-06	0
J62_63	4.025856e+00	2.685987e-02	0
M_N	7.234896e-02	2.021055e-05	0

	M_N	6.790672e-01	9.411136e-05	0
	O84	2.176906e-06	0.000000e+00	0
	P85	3.036353e-02	3.402748e-05	0
	M_N	8.302687e-03	3.649419e-05	0
	E37-39	5.206816e-04	1.388552e-05	0
	E37-39	3.852014e-04	8.325552e-06	0
	E37-39	5.688311e-05	3.551634e-06	0
	E37-39	1.635836e-03	3.186335e-05	0
	E37-39	1.016533e-04	9.018721e-06	0
	E37-39	1.340327e-04	1.177394e-05	0
	E37-39	8.022119e-04	2.213148e-05	0
	E37-39	9.475832e-05	3.530390e-06	0
	E37-39	1.319608e-05	5.189608e-07	0
	E37-39	1.799666e-03	3.881516e-05	0
	E37-39	6.018175e-03	8.716976e-05	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	1.291750e-03	8.734320e-05	0
	E37-39	3.248883e-03	2.705802e-04	0
	E37-39	7.283181e-03	3.518607e-05	0
	E37-39	5.237717e-03	3.442091e-05	0
	E37-39	6.629032e-02	2.539989e-05	0
	E37-39	5.770291e-03	4.047966e-05	0
	E37-39	9.645142e-04	1.443352e-05	0
	E37-39	1.672818e-03	2.968048e-05	0
	R_S	7.748533e-02	3.249133e-05	0
	R_S	1.819824e-01	2.485672e-05	0
	R_S	7.508179e-01	1.670055e-03	0
	T	2.736355e+00	2.645288e+00	0
	U	0.000000e+00	0.000000e+00	0
US	A01	2.154100e-03	6.060517e-06	0
	A01	3.677698e+00	3.523421e-01	0
	A01	7.462091e+00	5.179232e-01	0
	A01	8.634503e+00	1.895235e-01	0
	A01	3.232962e+01	7.382311e-01	0
	A01	5.523472e-03	1.554019e-05	0
	A01	1.105045e-02	3.400712e-05	0
	A01	5.327544e+00	1.498874e-02	0
	A01	3.315065e+00	1.754911e-04	0
	A01	2.257387e-02	6.351202e-05	0
	A01	1.087807e-02	3.103934e-05	0
	A01	1.048596e-01	7.461518e-04	0
	A01	1.231849e-02	1.337185e-06	0
	A01	7.621919e-04	2.144469e-06	0
	A01	6.018153e-05	1.693220e-07	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	5.889864e-03	1.304669e-04	0
	A03	6.676301e-07	1.931155e-07	0

B_nongas	3.079169e+00	8.914358e-01	0
B_nongas	2.232789e-01	4.820217e-02	0
B_gas	4.580285e+01	9.594150e-02	0
B_gas	1.225565e-02	3.220302e-03	0
B_nongas	2.119754e-09	0.000000e+00	0
B_nongas	2.235141e+00	3.624504e-09	0
B_nongas	9.880140e-03	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	1.335208e-13	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	7.400690e-05	0.000000e+00	0
B_nongas	4.035610e-04	0.000000e+00	0
B_nongas	6.264364e-02	3.550253e-06	0
B_nongas	5.771720e-01	2.524958e-06	0
B_nongas	1.496256e+00	7.011817e-01	0
C10-12	1.165850e-01	1.223237e-03	0
C10-12	1.766030e-02	4.678817e-04	0
C10-12	4.477220e-01	7.558987e-04	0
C10-12	2.324999e-01	3.745674e-04	0
C10-12	2.591318e-01	2.197537e-03	0
C10-12	2.334340e+00	4.699232e-03	0
C10-12	2.116127e-01	1.596336e-04	0
C10-12	2.266323e-02	3.233652e-04	0
C10-12	4.362736e+00	6.365264e-01	0
C10-12	1.956796e+00	9.415484e-02	0
C10-12	1.670827e-01	3.515976e-04	0
C10-12	5.232927e-02	6.047152e-04	0
C13-15	2.069492e+00	2.960939e-01	0
C13-15	3.017298e-01	1.081192e-04	0
C13-15	1.967556e-01	6.934610e-06	0
C16	3.474397e-01	1.812015e-04	0
C16	0.000000e+00	0.000000e+00	0
C17	8.042253e-01	4.600282e-01	0
C17	0.000000e+00	0.000000e+00	0
C17	5.442715e+00	1.307226e-01	0
C18	2.424824e+00	5.879960e-04	0
C19	3.588048e-03	1.336018e-04	0
C19	4.705160e+00	8.285266e-01	0
C24	9.843790e-02	5.741908e-07	0
C20-21	2.947116e+00	1.561225e+00	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	1.720562e-04	1.771206e-06	0
C20-21	2.093087e-03	2.393609e-04	0
C20-21	2.211385e-01	1.235942e-02	0
C22	9.188634e+00	6.568631e-02	0
C23	7.781878e-02	1.689352e-03	0
C23	0.000000e+00	0.000000e+00	0
C23	6.688926e-02	5.795303e-04	0

C23	1.783295e-06	8.004066e-06	0
C23	2.679852e-02	4.995821e-03	0
C23	0.000000e+00	0.000000e+00	0
C23	7.670260e-02	2.834703e-02	0
C24	9.713844e-01	1.803575e-01	0
C24	0.000000e+00	0.000000e+00	0
C24	3.132298e+00	1.276880e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	7.947408e-02	4.144231e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	2.305670e-01	6.247214e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	3.953996e-01	1.479336e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	4.364165e-01	1.434753e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	4.491399e-03	3.779563e-04	0
C25_33	2.019467e+00	2.207117e-01	0
C25	6.280031e+00	1.198068e-01	0
C26	3.177342e+00	3.974669e-03	0
C27	1.111237e+01	8.033592e-01	0
C27	5.742468e+00	4.233988e-01	0
C28_32	6.319408e+00	1.067208e-01	0
C29	2.402902e+01	1.352916e+01	0
C30	1.504689e+01	3.215823e+01	0
C31	1.321627e-01	3.444602e-02	0
E37-39	1.691316e-01	1.924262e-01	0
E37-39	0.000000e+00	0.000000e+00	0
D35	5.270650e-05	1.532949e-08	0
D35	3.048806e-05	8.867341e-09	0
D35	2.221320e-05	6.460628e-09	0
D35	1.352883e-05	3.934810e-09	0
D35	1.816310e-06	5.282672e-10	0
D35	5.152216e-06	1.498503e-09	0
D35	3.423681e-06	9.957652e-10	0
D35	5.082470e-08	1.478218e-11	0
D35	3.581159e-08	1.041567e-11	0
D35	0.000000e+00	0.000000e+00	0
D35	8.793112e-07	2.557444e-10	0
D35	2.769451e-07	8.054847e-11	0
D35	3.341665e-05	9.719110e-09	0
D35	5.004926e-05	1.455664e-08	0
D35	4.224740e-03	6.398488e-07	0
D35	0.000000e+00	0.000000e+00	0
E36	0.000000e+00	0.000000e+00	0
F	6.220716e-02	1.349929e-06	0
F	0.000000e+00	0.000000e+00	0
G45	1.411035e+00	6.010454e-04	0

G47	2.163328e-05	5.018347e-03	0
G46	6.730538e-01	2.218019e-01	0
G47	3.536961e-01	1.656179e-01	0
I	1.105820e+01	1.140169e-03	0
H49	1.810726e+00	8.577373e-05	0
H49	3.472596e+00	2.117313e-01	0
H49	5.471009e-04	1.764420e-01	0
H50	4.863466e-02	2.515766e-02	0
H50	1.627374e-02	1.398082e-04	0
H51	4.213563e+00	1.511778e+00	0
H52	1.177431e+00	3.773741e-02	0
H53	1.710438e+00	1.219178e-04	0
K64	2.344678e+01	9.766113e-01	0
K65	1.046199e-05	0.000000e+00	0
K66	2.510495e-04	2.445729e-04	0
L68	2.580119e-04	1.242322e-05	0
M_N	8.904959e-04	3.977561e-05	0
J62_63	5.209929e+00	3.924957e-04	0
M_N	2.993939e-01	1.211855e-04	0
M_N	1.032176e+00	1.002604e-04	0
O84	1.148451e-01	2.795012e-04	0
P85	7.512808e-10	4.496750e-11	0
M_N	5.321348e-06	1.497176e-06	0
E37-39	3.527175e-04	2.322755e-09	0
E37-39	4.319861e-04	2.298812e-09	0
E37-39	3.291239e-04	8.897366e-11	0
E37-39	5.215463e-04	6.120207e-09	0
E37-39	1.150206e-04	2.283647e-09	0
E37-39	1.479310e-04	3.480612e-09	0
E37-39	4.321865e-05	8.739232e-09	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	1.353664e-02	1.140628e-08	0
E37-39	3.432987e-05	3.120801e-09	0
E37-39	7.389481e-04	6.132821e-09	0
E37-39	9.468688e-08	1.162184e-07	0
E37-39	1.383560e-07	1.866616e-07	0
E37-39	1.031771e-03	1.205718e-09	0
E37-39	1.270354e-03	1.394725e-09	0
E37-39	1.031025e-03	2.605043e-10	0
E37-39	1.651465e-03	2.881891e-09	0
E37-39	3.372984e-04	9.119039e-11	0
E37-39	4.340327e-04	1.173457e-10	0
R_S	1.094486e-05	1.859285e-09	0
R_S	2.638322e-02	1.308763e-05	0
R_S	8.774380e-05	1.271531e-09	0
T	1.707463e-07	1.650638e-07	0
U	0.000000e+00	0.000000e+00	0

JP	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	4.646701e-04	3.150724e-05	0
	A01	9.072629e-03	1.997058e-04	0
	A01	6.117178e-06	1.346507e-07	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	7.117584e-02	2.145671e-04	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	4.097210e-02	2.934450e-04	0
	A01	6.584659e-05	4.070429e-09	0
	A01	7.588705e-03	5.415510e-05	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	3.526586e-08	7.069630e-09	0
	A03	1.176675e-07	3.403594e-08	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_gas	8.670031e-04	1.665767e-11	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	7.999681e-03	3.145530e-08	0
	B_nongas	3.699328e-03	9.919679e-09	0
	B_nongas	2.433855e-01	1.142889e-01	0
	C10-12	5.749688e-04	2.138379e-06	0
	C10-12	6.217695e-08	7.797019e-08	0
	C10-12	2.383224e-04	6.196015e-09	0
	C10-12	2.315675e-04	3.855595e-09	0
	C10-12	1.608008e-03	1.398506e-04	0
	C10-12	4.657688e-02	1.988471e-07	0
	C10-12	4.474607e-04	3.365576e-07	0
	C10-12	5.422225e-04	7.557717e-05	0
	C10-12	8.250564e-02	1.224765e-02	0
	C10-12	9.185768e-02	4.345314e-03	0
	C10-12	1.943778e-01	6.971505e-06	0
	C10-12	1.406034e-04	1.689311e-06	0
	C13-15	2.308760e+00	3.414931e-01	0
	C13-15	1.026374e-02	6.673381e-07	0

C13-15	5.921260e-03	2.085953e-07	0
C16	1.552643e-02	1.250612e-06	0
C16	0.000000e+00	0.000000e+00	0
C17	1.861544e-04	1.064833e-04	0
C17	0.000000e+00	0.000000e+00	0
C17	8.910568e-01	5.095569e-06	0
C18	1.276916e-01	1.946562e-06	0
C19	8.221052e-07	3.059513e-08	0
C19	1.589642e-01	2.334169e-02	0
C24	7.812990e-04	0.000000e+00	0
C20-21	5.665837e-01	3.024903e-01	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	1.401031e-05	9.602830e-07	0
C20-21	9.057222e-03	3.644320e-04	0
C22	7.405600e+00	3.375255e-02	0
C23	3.765160e-02	7.926080e-04	0
C23	0.000000e+00	0.000000e+00	0
C23	2.098632e-02	3.380699e-05	0
C23	1.965117e-08	1.245669e-07	0
C23	2.134867e-06	5.725568e-07	0
C23	0.000000e+00	0.000000e+00	0
C23	7.033479e-05	3.279584e-05	0
C24	1.179806e+00	2.294436e-01	0
C24	0.000000e+00	0.000000e+00	0
C24	2.346062e-02	9.166980e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	3.339671e-03	1.507410e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	1.996315e-02	1.681292e-07	0
C24	0.000000e+00	0.000000e+00	0
C24	6.372126e-03	3.535429e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	9.389999e-02	2.963247e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	0.000000e+00	0.000000e+00	0
C25_33	2.121662e-01	1.884178e-02	0
C25	1.478325e+00	4.442521e-05	0
C26	1.760360e-01	1.386351e-05	0
C27	2.953871e+00	2.136624e-01	0
C27	3.762805e-01	1.443389e-02	0
C28_32	1.597245e+00	2.333905e-04	0
C29	3.468823e+01	1.962697e+01	0
C30	6.262085e-01	1.357515e+00	0
C31	3.793029e-04	3.668709e-04	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0

D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
E36	0.000000e+00	0.000000e+00	0
F	3.178508e-02	6.897532e-07	0
F	0.000000e+00	0.000000e+00	0
G45	1.423756e-04	6.064641e-08	0
G47	2.781401e-08	6.452114e-06	0
G46	2.832332e-05	9.333825e-06	0
G47	2.385750e-05	1.117125e-05	0
I	9.213149e-02	9.498606e-06	0
H49	1.360787e-04	6.446020e-09	0
H49	4.488144e-05	2.740403e-06	0
H49	7.833723e-08	2.526404e-05	0
H50	3.938107e-02	2.043466e-02	0
H50	5.209199e-05	4.476521e-07	0
H51	2.167093e-03	7.775280e-04	0
H52	2.610049e-05	9.584240e-10	0
H53	2.070411e+00	1.391815e-04	0
K64	4.802291e-04	2.000261e-05	0
K65	6.231668e-08	0.000000e+00	0
K66	6.908360e-08	6.730140e-08	0
L68	1.344205e-08	6.467985e-10	0
M_N	2.921020e-09	3.063216e-10	0
J62_63	5.818309e+00	4.382534e-04	0
M_N	6.589065e-06	2.671943e-09	0
M_N	2.757846e-06	2.673084e-10	0
O84	2.547137e-06	0.000000e+00	0
P85	6.295300e-05	3.768017e-06	0
M_N	2.886385e-04	8.120921e-05	0
E37-39	1.592485e-07	1.675767e-09	0
E37-39	1.420835e-07	1.647701e-09	0
E37-39	7.438657e-08	0.000000e+00	0
E37-39	1.714920e-07	4.517387e-09	0
E37-39	1.791498e-07	1.677819e-09	0
E37-39	2.044679e-07	2.573040e-09	0

[illegible]

B_nongas	1.154006e-09	0.000000e+00	0
B_nongas	1.304597e-03	0.000000e+00	0
B_nongas	2.248456e-01	8.990607e-07	0
B_nongas	4.233206e-01	1.135126e-06	0
B_nongas	8.351604e-01	3.921744e-01	0
C10-12	4.619352e-04	1.717994e-06	0
C10-12	4.045487e-09	5.073059e-09	0
C10-12	4.725067e-02	1.228444e-06	0
C10-12	1.471799e-02	2.450542e-07	0
C10-12	1.161466e-02	2.636745e-05	0
C10-12	1.013849e-02	4.328349e-08	0
C10-12	8.666674e-02	6.518640e-05	0
C10-12	8.796478e-03	1.161491e-04	0
C10-12	1.663834e+00	2.469898e-01	0
C10-12	1.682655e-01	7.959776e-03	0
C10-12	8.170302e-01	2.930340e-05	0
C10-12	2.229465e-01	2.678641e-03	0
C13-15	5.646765e+01	8.352239e+00	0
C13-15	9.032144e+00	5.872609e-04	0
C13-15	8.033495e+00	2.830055e-04	0
C16	2.903590e+00	2.338762e-04	0
C16	0.000000e+00	0.000000e+00	0
C17	2.976718e-02	1.702730e-02	0
C17	0.000000e+00	0.000000e+00	0
C17	2.050472e+01	1.172576e-04	0
C18	3.282149e+00	5.003389e-05	0
C19	1.947803e-02	6.357166e-04	0
C19	1.550452e+00	2.158713e-01	0
C24	5.357559e-03	0.000000e+00	0
C20-21	3.640415e+00	1.943562e+00	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	6.801742e-04	2.123422e-06	0
C20-21	1.281720e-02	8.785058e-04	0
C20-21	9.123356e-02	4.233628e-03	0
C22	5.064477e+01	2.308240e-01	0
C23	1.038502e+00	2.186162e-02	0
C23	0.000000e+00	0.000000e+00	0
C23	2.194243e+00	3.534720e-03	0
C23	3.934506e-05	2.494045e-04	0
C23	3.643800e-04	9.772426e-05	0
C23	0.000000e+00	0.000000e+00	0
C23	5.316883e-04	2.479166e-04	0
C24	5.906047e+00	1.148583e+00	0
C24	0.000000e+00	0.000000e+00	0
C24	1.096860e+00	4.285858e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	4.143768e-01	1.870351e-04	0
C24	0.000000e+00	0.000000e+00	0

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	H52	3.565064e-05	1.309110e-09	0
	H53	7.324476e-03	4.923813e-07	0
	K64	1.262755e-04	5.259655e-06	0
	K65	4.323026e-10	0.000000e+00	0
	K66	1.587133e-05	1.546188e-05	0
	L68	1.636598e-05	7.874906e-07	0
	M_N	6.663185e-09	6.987551e-10	0
	J62_63	1.392626e-01	1.048970e-05	0
	M_N	7.148616e-03	2.898848e-06	0
	M_N	1.017176e-02	9.859136e-07	0
	O84	2.172868e-11	0.000000e+00	0
	P85	1.183004e-09	7.080803e-11	0
	M_N	2.183267e-08	6.142681e-09	0
	E37-39	2.174670e-07	2.288398e-09	0
	E37-39	1.940267e-07	2.250071e-09	0
	E37-39	1.015801e-07	0.000000e+00	0
	E37-39	2.341875e-07	6.168891e-09	0
	E37-39	2.446405e-07	2.291170e-09	0
	E37-39	2.792155e-07	3.513670e-09	0
	E37-39	4.922751e-07	8.832838e-09	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	2.869362e-07	3.075620e-09	0
	E37-39	5.966953e-07	6.132121e-09	0
	E37-39	1.210120e-07	1.485298e-07	0
	E37-39	1.769289e-07	2.387018e-07	0
	E37-39	7.808366e-08	9.576232e-10	0
	E37-39	8.861806e-08	1.084713e-09	0
	E37-39	6.967533e-05	0.000000e+00	0
	E37-39	1.983968e-07	2.515173e-09	0
	E37-39	7.673650e-08	0.000000e+00	0
	E37-39	8.898739e-08	0.000000e+00	0
	R_S	9.701551e-06	1.595072e-09	0
	R_S	3.763311e-06	3.653413e-08	0
	R_S	9.175442e-05	1.298250e-09	0
	T	8.385663e-06	8.106586e-06	0
	U	0.000000e+00	0.000000e+00	0
CA	A01	0.000000e+00	0.000000e+00	0
	A01	9.625913e-01	7.666873e-02	0
	A01	6.038929e-01	3.267029e-02	0
	A01	1.139995e+00	2.509341e-02	0
	A01	3.284997e+00	7.490762e-02	0
	A01	2.643709e-05	5.819129e-07	0
	A01	1.246978e-05	2.744751e-07	0
	A01	3.065466e-01	4.079486e-03	0
	A01	5.812503e-03	2.233316e-04	0
	A01	3.439820e-03	1.321115e-04	0

A01	2.546755e-03	9.837049e-05	0
A01	6.295877e-02	4.669946e-04	0
A01	7.893233e-05	2.720553e-08	0
A01	6.369990e-03	2.445379e-04	0
A01	1.151155e-04	4.446160e-06	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A02	2.408257e-03	7.173100e-07	0
A03	1.549134e-03	4.332891e-05	0
B_nongas	6.021401e-02	1.765944e-02	0
B_nongas	1.064356e-01	4.970806e-02	0
B_gas	1.093474e-01	5.093685e-02	0
B_gas	1.562070e-02	7.256236e-03	0
B_nongas	1.139913e-08	7.749521e-13	0
B_nongas	8.054953e+00	3.384860e-10	0
B_nongas	4.723360e-03	6.603864e-08	0
B_nongas	7.616676e-05	1.077009e-09	0
B_nongas	2.995982e-05	2.036773e-09	0
B_nongas	5.955934e-06	4.049051e-10	0
B_nongas	4.726895e-04	6.683898e-09	0
B_nongas	1.722488e-01	4.993049e-12	0
B_nongas	1.051919e-02	1.389400e-07	0
B_nongas	4.091990e-02	1.589091e-02	0
B_nongas	1.608410e+00	7.552641e-01	0
C10-12	5.498294e-03	5.846518e-05	0
C10-12	3.029523e-04	2.395881e-05	0
C10-12	9.471140e-04	2.978315e-06	0
C10-12	6.609823e-03	2.083609e-04	0
C10-12	4.402941e-03	1.903517e-04	0
C10-12	6.884733e-01	3.022086e-04	0
C10-12	3.723751e-06	2.800819e-09	0
C10-12	8.916735e-03	9.664975e-04	0
C10-12	2.651719e-01	3.619525e-02	0
C10-12	3.550014e-02	1.723749e-03	0
C10-12	1.268317e-02	2.023128e-06	0
C10-12	2.001499e-03	2.337218e-05	0
C13-15	8.656366e-02	1.261670e-02	0
C13-15	4.798675e-02	1.093109e-03	0
C13-15	7.178175e-03	1.084108e-05	0
C16	1.261177e-01	1.643991e-03	0
C16	2.718911e-02	9.817185e-04	0
C17	3.854133e-02	1.851444e-02	0
C17	1.597358e-02	7.648293e-03	0
C17	1.525985e+00	3.438487e-03	0
C18	1.216485e-01	2.742962e-05	0
C19	2.882820e-04	2.983356e-06	0
C19	4.529650e-02	8.764295e-03	0
C24	2.268807e-03	1.040135e-06	0

C20-21	1.465872e-08	8.972250e-10	0
C20-21	1.556463e-10	8.268207e-11	0
C20-21	1.696786e-09	4.122852e-12	0
C20-21	9.361643e-05	6.458814e-06	0
C20-21	2.411625e-02	2.331950e-03	0
C22	7.019272e-01	2.119510e-02	0
C23	5.497542e-03	2.063754e-04	0
C23	2.838707e-04	1.120694e-05	0
C23	2.738833e-03	4.409313e-06	0
C23	2.493866e-06	6.718751e-08	0
C23	8.117495e-04	3.861216e-05	0
C23	9.102917e-05	5.340953e-06	0
C23	2.169009e-02	5.117721e-03	0
C24	3.423466e-02	4.746951e-03	0
C24	1.809258e-02	2.596591e-03	0
C24	1.379466e-01	6.244482e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	1.779264e-02	4.730833e-04	0
C24	4.726364e-04	8.643624e-06	0
C24	1.244984e-02	6.393061e-04	0
C24	1.717759e-03	7.992593e-05	0
C24	9.864959e-03	9.890765e-04	0
C24	9.931888e-07	1.338522e-07	0
C24	6.399107e-02	1.144899e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	2.704911e-03	8.903235e-04	0
C25_33	1.769578e-01	2.110451e-02	0
C25	3.362213e-01	3.970556e-02	0
C26	1.108966e-01	4.551851e-04	0
C27	4.224764e-01	3.938041e-02	0
C27	2.552352e-01	9.242492e-03	0
C28_32	1.482705e-01	2.048517e-03	0
C29	1.423586e+00	7.834825e-01	0
C30	6.552181e-01	1.397992e+00	0
C31	4.495777e-02	3.786050e-03	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
D35	1.172740e-04	8.032952e-06	0
D35	6.407667e-05	3.040257e-06	0
D35	7.779683e-05	4.758431e-06	0
D35	2.623829e-04	1.424753e-05	0
D35	1.169970e-05	1.440795e-07	0
D35	1.414681e-05	6.565631e-07	0
D35	7.801191e-06	3.981444e-07	0
D35	1.348418e-08	9.791188e-10	0
D35	0.000000e+00	0.000000e+00	0
D35	9.440107e-09	6.854703e-10	0
D35	0.000000e+00	0.000000e+00	0

D35	6.751871e-08	5.494377e-09	0
D35	7.923678e-05	6.228159e-06	0
D35	2.355674e-04	1.348090e-05	0
D35	7.580593e-05	7.350565e-06	0
D35	0.000000e+00	0.000000e+00	0
E36	2.139821e-06	8.555798e-07	0
F	1.101335e-02	3.057083e-07	0
F	4.446985e-08	9.343517e-13	0
G45	3.622662e-02	1.143953e-04	0
G47	2.128309e-05	1.723697e-04	0
G46	1.260755e-01	9.958602e-03	0
G47	2.291456e-02	5.356740e-03	0
I	2.511650e-04	2.477185e-05	0
H49	3.448361e-04	5.164873e-06	0
H49	1.338757e-04	6.507381e-06	0
H49	9.023173e-06	5.554814e-05	0
H50	2.664006e-05	1.114597e-05	0
H50	7.748157e-05	6.640202e-07	0
H51	1.782754e-04	5.698157e-05	0
H52	1.881046e-03	1.835570e-05	0
H53	6.396071e-02	6.168542e-06	0
K64	1.400305e-03	1.181563e-05	0
K65	4.065017e-04	3.057611e-07	0
K66	9.058690e-04	1.827548e-05	0
L68	1.756281e-04	1.490261e-06	0
M_N	2.077787e-03	2.948427e-04	0
J62_63	2.104215e-01	4.706910e-05	0
M_N	5.949349e-02	2.412795e-05	0
M_N	3.796507e-02	3.424590e-05	0
O84	3.241565e-03	2.549561e-05	0
P85	7.482224e-04	1.459582e-07	0
M_N	3.869957e-03	3.019058e-07	0
E37-39	6.326114e-07	1.174963e-09	0
E37-39	5.363149e-07	1.080243e-09	0
E37-39	1.591835e-07	7.757390e-11	0
E37-39	4.682007e-07	1.987492e-09	0
E37-39	1.479528e-07	1.066793e-09	0
E37-39	1.197638e-07	1.221296e-09	0
E37-39	3.480613e-05	1.591189e-07	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	3.540076e-06	3.842916e-09	0
E37-39	1.060326e-06	4.367143e-09	0
E37-39	3.744856e-06	4.374117e-08	0
E37-39	7.084462e-06	7.738320e-08	0
E37-39	2.288163e-05	1.453215e-08	0
E37-39	1.922727e-05	1.239595e-08	0

	E37-39	5.396746e-05	3.140977e-09	0
	E37-39	1.728552e-05	1.214357e-08	0
	E37-39	1.541789e-06	9.085979e-10	0
	E37-39	1.035161e-06	6.052133e-10	0
	R_S	4.376991e-03	7.008648e-06	0
	R_S	1.021304e-03	1.130845e-05	0
	R_S	3.131421e-04	1.932337e-05	0
	T	2.607673e-06	2.520392e-06	0
	U	0.000000e+00	0.000000e+00	0
KR	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	6.063159e-05	4.245358e-06	0
	A01	5.772180e-03	1.270566e-04	0
	A01	4.951990e-04	1.131580e-05	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	2.271025e-10	0
	A01	4.632786e-02	1.303417e-04	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	2.413265e-02	1.728397e-04	0
	A01	1.327999e-05	8.209273e-10	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	4.227433e-09	8.474594e-10	0
	A03	4.198170e-08	1.214343e-08	0
	B_nongas	4.741601e-08	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	2.823116e-09	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	3.388817e-04	1.355042e-09	0
	B_nongas	1.233079e-02	3.306478e-08	0
	B_nongas	1.351471e-02	6.346232e-03	0
	C10-12	8.452839e-05	3.143714e-07	0
	C10-12	1.596992e-08	2.002636e-08	0
	C10-12	0.000000e+00	0.000000e+00	0
	C10-12	5.420779e-04	9.025587e-09	0
	C10-12	1.268118e-03	2.878865e-06	0

C10-12	3.163667e-02	1.350640e-07	0
C10-12	7.765939e-03	5.841152e-06	0
C10-12	1.672881e-04	2.208879e-06	0
C10-12	2.446721e-01	3.632064e-02	0
C10-12	6.916815e-02	3.271990e-03	0
C10-12	3.568927e-02	1.280022e-06	0
C10-12	4.605166e-01	5.532980e-03	0
C13-15	2.765059e+00	4.089852e-01	0
C13-15	4.557033e-02	2.962937e-06	0
C13-15	1.900297e-02	6.694402e-07	0
C16	2.761661e-03	2.224442e-07	0
C16	1.139410e-03	9.177633e-08	0
C17	7.095503e-04	4.058741e-04	0
C17	6.966173e-03	3.984761e-03	0
C17	2.951372e+00	1.687763e-05	0
C18	1.253770e-01	1.911278e-06	0
C19	1.742947e-03	0.000000e+00	0
C19	2.658763e+00	3.330616e-01	0
C24	4.368063e-03	0.000000e+00	0
C20-21	1.502829e+00	8.023373e-01	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	2.995161e-05	9.350533e-08	0
C20-21	5.411451e-04	3.709070e-05	0
C20-21	2.870259e-02	3.516279e-03	0
C22	5.832764e+00	2.658403e-02	0
C23	1.227812e-02	2.584680e-04	0
C23	0.000000e+00	0.000000e+00	0
C23	4.182729e-03	6.737984e-06	0
C23	4.719323e-07	2.991533e-06	0
C23	8.804634e-06	2.361343e-06	0
C23	1.124680e-06	3.016315e-07	0
C23	2.379701e-05	1.109611e-05	0
C24	1.018047e+00	1.979855e-01	0
C24	3.559190e-01	6.921761e-02	0
C24	8.789431e-03	3.434373e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	4.742361e-02	2.140535e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	1.086546e+00	9.150868e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	9.559274e-02	5.303746e-05	0
C24	1.058720e-02	5.874065e-06	0
C24	4.003648e-02	1.263450e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	0.000000e+00	0.000000e+00	0
C25_33	2.456195e+00	2.181266e-01	0
C25	1.432020e+00	4.303368e-05	0
C26	2.489651e-01	1.960696e-05	0

C27	6.880736e+00	4.977043e-01	0
C27	9.635395e-01	3.696078e-02	0
C28_32	5.307337e-01	7.755120e-05	0
C29	1.201634e+01	6.798975e+00	0
C30	8.162673e-01	1.769530e+00	0
C31	2.130304e-04	2.060481e-04	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
E36	0.000000e+00	0.000000e+00	0
F	4.084602e-04	8.863805e-09	0
F	0.000000e+00	0.000000e+00	0
G45	1.289308e-02	5.491947e-06	0
G47	2.444040e-07	5.669524e-05	0
G46	8.002713e-03	2.637259e-03	0
G47	4.232872e-03	1.982039e-03	0
I	4.698030e-05	4.843593e-09	0
H49	1.251684e-04	5.929199e-09	0
H49	4.136357e-05	2.525607e-06	0
H49	6.932051e-08	2.235612e-05	0
H50	1.102476e-05	5.720698e-06	0
H50	4.434094e-05	3.810435e-07	0
H51	7.006669e-05	2.513912e-05	0
H52	2.402530e-05	8.822220e-10	0
H53	5.467414e-04	3.675420e-08	0
K64	8.414103e-05	3.504661e-06	0
K65	2.910696e-10	0.000000e+00	0
K66	1.635641e-06	1.593445e-06	0
L68	1.684854e-06	8.107099e-08	0
M_N	2.688463e-09	2.819338e-10	0
J62_63	1.035271e-04	7.797991e-09	0
M_N	1.606155e-04	6.513145e-08	0
M_N	4.645590e-03	4.502809e-07	0

	O84	1.463107e-11	0.000000e+00	0
	P85	5.654788e-10	3.384642e-11	0
	M_N	1.467344e-09	4.128411e-10	0
	E37-39	1.464022e-07	1.540585e-09	0
	E37-39	1.306218e-07	1.514783e-09	0
	E37-39	6.838530e-08	0.000000e+00	0
	E37-39	1.576094e-07	4.151696e-09	0
	E37-39	1.646959e-07	1.542452e-09	0
	E37-39	1.879723e-07	2.365458e-09	0
	E37-39	3.313075e-07	5.944614e-09	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	8.144363e-08	9.996365e-08	0
	E37-39	1.190925e-07	1.606725e-07	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	R_S	6.531060e-06	1.073798e-09	0
	R_S	4.119519e-08	3.999219e-10	0
	R_S	5.382383e-05	7.615630e-10	0
	T	5.664068e-06	5.475567e-06	0
	U	0.000000e+00	0.000000e+00	0
BR	A01	5.294729e-02	3.583730e-04	0
	A01	1.441502e-03	9.742846e-06	0
	A01	1.252765e+01	8.471450e-01	0
	A01	2.335695e-01	4.210475e-03	0
	A01	2.948369e+00	6.419931e-02	0
	A01	1.776556e-01	1.442103e-03	0
	A01	8.619463e-02	6.573903e-04	0
	A01	5.130301e+00	1.677950e-02	0
	A01	1.580967e+01	5.712686e-02	0
	A01	2.504643e-01	1.395043e-02	0
	A01	4.231886e-01	2.336231e-02	0
	A01	1.352973e-02	7.120730e-04	0
	A01	2.706999e-01	1.425839e-02	0
	A01	7.586320e-01	3.957537e-02	0
	A01	1.705933e-03	9.501750e-05	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	1.925535e-01	1.540486e-03	0
	A03	1.952869e-01	1.087715e-02	0
	B_nongas	1.296889e-02	1.912741e-06	0

B_nongas	1.877644e-09	9.034761e-11	0
B_gas	1.734563e-10	8.346290e-12	0
B_gas	0.000000e+00	0.000000e+00	0
B_nongas	3.020083e-03	4.453964e-07	0
B_nongas	1.142645e+02	7.164952e-11	0
B_nongas	8.058937e-02	1.188587e-05	0
B_nongas	3.791236e-02	5.591575e-06	0
B_nongas	8.382254e-03	1.236272e-06	0
B_nongas	6.572303e-02	9.693282e-06	0
B_nongas	2.752083e-02	4.058957e-06	0
B_nongas	4.265596e-02	6.233448e-06	0
B_nongas	1.641937e-01	1.884165e-05	0
B_nongas	1.505431e-01	1.683014e-05	0
B_nongas	4.539059e-01	1.882110e-01	0
C10-12	6.750838e-01	2.535802e-03	0
C10-12	1.216124e-04	4.568456e-05	0
C10-12	4.550939e+00	1.525591e-04	0
C10-12	1.275060e-01	1.184423e-05	0
C10-12	4.095824e-01	9.516573e-04	0
C10-12	1.172512e-01	2.788022e-05	0
C10-12	3.605266e-03	1.348359e-05	0
C10-12	4.810726e+00	6.353846e-02	0
C10-12	3.890738e-01	5.780215e-02	0
C10-12	1.017033e-02	4.960483e-04	0
C10-12	1.188831e-01	7.695151e-06	0
C10-12	3.456637e-02	4.153054e-04	0
C13-15	3.800558e-02	5.578598e-03	0
C13-15	6.206377e-03	7.775201e-06	0
C13-15	9.234503e-02	3.728971e-06	0
C16	1.445023e-01	1.514916e-05	0
C16	1.632980e-01	1.710969e-05	0
C17	3.168392e-01	1.810489e-01	0
C17	5.259330e-02	3.004963e-02	0
C17	1.079039e+00	9.115606e-06	0
C18	7.961492e-03	8.023265e-07	0
C19	6.357216e-06	8.524199e-07	0
C19	1.664255e-01	1.054987e-02	0
C24	2.715911e-05	3.491849e-07	0
C20-21	8.275037e-02	4.417915e-02	0
C20-21	9.450923e-03	5.045703e-03	0
C20-21	2.189180e-04	1.164321e-04	0
C20-21	6.493041e-03	3.451509e-03	0
C20-21	2.312892e-01	1.284590e-02	0
C22	3.087103e-01	1.886389e-03	0
C23	2.196688e-03	3.080934e-04	0
C23	3.769405e-04	5.974168e-05	0
C23	1.751069e-02	5.200929e-04	0
C23	4.749780e-06	3.831913e-06	0

C23	1.979212e-03	8.161441e-04	0
C23	0.000000e+00	0.000000e+00	0
C23	3.110928e-03	1.287824e-03	0
C24	3.031305e-01	5.892145e-02	0
C24	6.066368e-02	1.179121e-02	0
C24	4.119291e-01	2.068274e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	1.862524e-02	1.519097e-03	0
C24	2.919076e-03	2.480938e-04	0
C24	1.423292e-02	5.197519e-04	0
C24	4.442297e-03	3.176667e-05	0
C24	3.883624e-02	8.303942e-04	0
C24	1.277511e-05	9.313511e-08	0
C24	2.630057e-04	1.153052e-05	0
C24	7.922510e-03	3.128655e-04	0
C24	2.456825e-03	4.662872e-04	0
C25_33	4.707293e-02	4.870426e-03	0
C25	1.664560e-01	1.046739e-03	0
C26	2.215964e-03	1.536161e-06	0
C27	1.484090e-01	1.074765e-02	0
C27	1.260893e-02	1.559526e-03	0
C28_32	3.799531e-02	2.022775e-04	0
C29	5.086379e-01	2.837085e-01	0
C30	3.440957e-01	7.458090e-01	0
C31	7.204106e-04	1.346405e-04	0
E37-39	2.895546e-05	3.410611e-06	0
E37-39	0.000000e+00	0.000000e+00	0
D35	1.125161e-10	4.427166e-11	0
D35	4.641132e-08	1.931443e-09	0
D35	1.672425e-09	8.739724e-11	0
D35	3.671552e-08	2.654954e-09	0
D35	1.324156e-13	6.371509e-15	0
D35	1.921296e-08	7.995621e-10	0
D35	1.683343e-09	8.374163e-11	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	4.333289e-10	1.403262e-10	0
D35	1.984966e-08	1.387249e-09	0
D35	6.739522e-08	4.873448e-09	0
D35	8.992402e-10	3.485245e-10	0
D35	0.000000e+00	0.000000e+00	0
E36	1.519235e-07	1.061760e-08	0
F	1.134281e-02	2.472091e-07	0
F	0.000000e+00	0.000000e+00	0
G45	1.292799e-02	9.757927e-05	0
G47	5.716923e-05	4.946357e-05	0

	G46	1.038516e-02	2.362849e-03	0
	G47	5.549281e-03	1.722740e-03	0
	I	1.838009e-04	1.784636e-05	0
	H49	1.816281e-04	3.254827e-07	0
	H49	9.177952e-05	4.658472e-06	0
	H49	6.492477e-06	3.228871e-05	0
	H50	2.409300e-05	9.124740e-06	0
	H50	6.732156e-05	6.041778e-07	0
	H51	1.095248e-04	3.790678e-05	0
	H52	8.414186e-05	1.011876e-06	0
	H53	3.493159e-03	4.938739e-07	0
	K64	1.198600e-04	4.992456e-06	0
	K65	1.898467e-09	7.159381e-11	0
	K66	1.165625e-06	1.134886e-06	0
	L68	1.646015e-05	4.991871e-07	0
	M_N	1.272599e-05	5.612444e-07	0
	J62_63	1.434905e-04	1.091336e-08	0
	M_N	8.975361e-04	7.787770e-07	0
	M_N	6.390902e-03	1.498223e-06	0
	O84	1.020171e-02	7.927799e-05	0
	P85	6.331094e-05	1.490283e-07	0
	M_N	4.620564e-06	2.596266e-06	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	3.012773e-07	5.262702e-09	0
	E37-39	5.648206e-07	6.200775e-09	0
	E37-39	3.026593e-07	1.526029e-07	0
	E37-39	3.758782e-07	2.384153e-07	0
	E37-39	5.800999e-07	3.756335e-08	0
	E37-39	2.964091e-07	1.645590e-08	0
	E37-39	6.536894e-05	1.240162e-08	0
	E37-39	3.617628e-07	1.509683e-08	0
	E37-39	1.454026e-07	5.322804e-09	0
	E37-39	1.716007e-07	6.389139e-09	0
	R_S	9.169502e-06	8.079858e-07	0
	R_S	3.228752e-08	3.134465e-10	0
	R_S	7.394240e-05	1.046224e-09	0
	T	8.085505e-06	7.816418e-06	0
	U	0.000000e+00	0.000000e+00	0
IN	A01	7.489593e-01	3.488499e-03	0

A01	9.651268e-01	8.459511e-03	0
A01	7.967088e-01	2.492768e-02	0
A01	9.525798e+00	2.077137e-01	0
A01	2.695351e+00	6.159150e-02	0
A01	1.314960e-02	4.909886e-04	0
A01	4.018431e-02	1.139497e-04	0
A01	9.621166e+00	3.016298e-02	0
A01	3.680510e-02	1.096392e-08	0
A01	0.000000e+00	0.000000e+00	0
A01	5.738351e-09	3.374870e-09	0
A01	5.553850e-01	3.977706e-03	0
A01	3.589761e-02	2.219077e-06	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A02	6.184271e-06	1.239740e-06	0
A03	2.262810e-06	6.545296e-07	0
B_nongas	9.923631e-02	2.269532e-02	0
B_nongas	5.826317e-10	3.396730e-10	0
B_gas	0.000000e+00	0.000000e+00	0
B_gas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	3.441275e-02	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	5.362612e-09	0.000000e+00	0
B_nongas	2.423545e-02	0.000000e+00	0
B_nongas	7.738813e-01	3.094418e-06	0
B_nongas	6.795002e-03	1.822067e-08	0
B_nongas	1.538311e+00	7.223598e-01	0
C10-12	3.614931e-01	2.024136e-03	0
C10-12	3.886615e-06	1.483409e-06	0
C10-12	9.356303e-03	2.780779e-04	0
C10-12	3.732453e-01	4.059254e-05	0
C10-12	5.481533e-01	8.244836e-03	0
C10-12	1.547309e+00	1.158762e-02	0
C10-12	4.295891e+00	5.978970e-03	0
C10-12	7.343186e-01	1.028475e-02	0
C10-12	1.998431e+00	3.003055e-01	0
C10-12	6.237574e-01	5.472584e-02	0
C10-12	9.603092e-01	4.945968e-03	0
C10-12	4.752525e-01	5.979790e-03	0
C13-15	1.374919e+01	1.983825e+00	0
C13-15	1.920390e+00	5.324766e-04	0
C13-15	8.853487e-01	1.266181e-02	0

C16	1.513291e-01	6.719384e-03	0
C16	0.000000e+00	0.000000e+00	0
C17	1.254847e-02	6.339409e-03	0
C17	0.000000e+00	0.000000e+00	0
C17	7.417814e+00	3.183470e-03	0
C18	1.997212e+00	1.787625e-03	0
C19	7.909349e-02	1.448628e-02	0
C19	4.255004e+01	8.232968e+00	0
C24	5.156400e-04	1.109487e-08	0
C20-21	7.546016e-01	4.028550e-01	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	2.752872e-03	4.564928e-05	0
C20-21	4.544216e-02	9.006174e-04	0
C20-21	2.474951e+00	1.839372e-01	0
C22	6.862362e+00	1.938927e-01	0
C23	2.577469e-01	1.450891e-01	0
C23	0.000000e+00	0.000000e+00	0
C23	9.259973e-01	1.890968e-03	0
C23	7.498493e-05	1.923605e-05	0
C23	5.706801e-02	1.867001e-04	0
C23	0.000000e+00	0.000000e+00	0
C23	2.561354e-01	3.512412e-01	0
C24	2.269098e+00	3.493493e-01	0
C24	0.000000e+00	0.000000e+00	0
C24	9.152704e+00	4.788180e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	2.455815e-01	5.603671e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	1.908999e+00	1.483331e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	9.774291e-01	1.759795e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	7.083109e-02	7.217679e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	3.982465e-01	5.420706e-02	0
C25_33	2.320155e+00	3.032779e-01	0
C25	1.776042e+00	7.696521e-02	0
C26	1.134393e-01	1.769263e-05	0
C27	8.054670e+00	5.855838e-01	0
C27	2.619221e+00	1.130738e-01	0
C28_32	4.718217e-01	1.279125e-02	0
C29	5.523667e+00	3.164282e+00	0
C30	1.986101e+00	3.961520e+00	0
C31	5.375212e-01	1.264888e-01	0
E37-39	3.112757e-04	7.398434e-05	0
E37-39	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0

D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
E36	0.000000e+00	0.000000e+00	0
F	1.721662e-01	3.736099e-06	0
F	0.000000e+00	0.000000e+00	0
G45	8.859510e-02	3.773803e-05	0
G47	1.440521e-06	3.341627e-04	0
G46	4.445019e-02	1.464836e-02	0
G47	2.213077e-02	1.036272e-02	0
I	9.735014e-05	1.003664e-08	0
H49	2.609374e-04	1.236055e-08	0
H49	8.598919e-05	5.250389e-06	0
H49	1.497147e-07	4.828354e-05	0
H50	2.508172e-05	1.301479e-05	0
H50	9.974488e-05	8.571568e-07	0
H51	1.612165e-04	5.784264e-05	0
H52	5.044651e-05	1.852423e-09	0
H53	1.960136e-02	1.317683e-06	0
K64	1.769097e-04	7.368681e-06	0
K65	6.033416e-10	0.000000e+00	0
K66	2.263251e-05	2.204864e-05	0
L68	2.343541e-05	1.127654e-06	0
M_N	2.267366e-08	2.377742e-09	0
J62_63	1.717400e-01	1.293600e-05	0
M_N	2.232628e-01	9.053570e-05	0
M_N	3.489441e-02	3.382194e-06	0
O84	3.047368e-11	0.000000e+00	0
P85	1.962310e-08	1.174530e-09	0
M_N	9.852555e-08	2.772043e-08	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0

	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	1.696860e-07	2.082721e-07	0
	E37-39	2.480892e-07	3.347071e-07	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	R_S	1.360369e-05	2.236638e-09	0
	R_S	2.709165e-06	2.630050e-08	0
	R_S	6.824111e-04	9.655556e-09	0
	T	1.124280e-05	1.086864e-05	0
	U	0.000000e+00	0.000000e+00	0
MX	A01	1.594753e-09	3.460700e-14	0
	A01	2.143361e-08	4.651209e-13	0
	A01	1.221425e-04	8.524283e-06	0
	A01	3.165274e-01	6.967362e-03	0
	A01	3.538422e-02	8.085650e-04	0
	A01	5.524066e-08	1.198752e-12	0
	A01	6.235939e-09	1.353232e-13	0
	A01	2.333166e-01	6.564271e-04	0
	A01	9.133458e-14	4.394795e-15	0
	A01	3.605829e-14	1.735036e-15	0
	A01	2.818633e-13	1.356257e-14	0
	A01	2.466240e-14	1.186694e-15	0
	A01	9.694677e-03	5.992944e-07	0
	A01	7.719724e-14	3.714541e-15	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	2.751036e-08	5.514910e-09	0
	A03	2.014562e-06	8.789942e-08	0
	B_nongas	1.533797e-15	0.000000e+00	0
	B_nongas	1.280896e-06	7.467597e-07	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	1.741447e-14	0.000000e+00	0
	B_nongas	1.285915e-08	9.948399e-13	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	1.238627e-08	9.582557e-13	0
	B_nongas	3.482197e-11	2.693980e-15	0

B_nongas	2.056113e-03	0.000000e+00	0
B_nongas	1.896849e-03	7.584680e-09	0
B_nongas	4.078340e-03	1.093599e-08	0
B_nongas	1.012877e-03	4.756265e-04	0
C10-12	1.201363e-03	2.471119e-05	0
C10-12	1.356658e-03	1.626869e-04	0
C10-12	1.010687e-04	2.840829e-07	0
C10-12	1.610816e-04	9.832074e-07	0
C10-12	5.460211e-04	2.808577e-06	0
C10-12	1.869169e-03	1.804166e-05	0
C10-12	5.972373e-07	2.604807e-08	0
C10-12	1.236747e-03	1.908142e-05	0
C10-12	1.482214e-01	2.196953e-02	0
C10-12	2.053989e-01	1.027030e-02	0
C10-12	2.421425e-03	2.306284e-05	0
C10-12	3.229913e-04	1.439910e-04	0
C13-15	7.528378e-02	1.093023e-02	0
C13-15	2.724189e-02	4.356707e-03	0
C13-15	1.586389e-02	7.558898e-03	0
C16	1.300826e-03	4.135385e-05	0
C16	0.000000e+00	0.000000e+00	0
C17	5.738971e-06	3.687323e-06	0
C17	2.597782e-04	2.224248e-04	0
C17	5.491146e-02	8.933162e-04	0
C18	3.622629e-02	1.362441e-05	0
C19	3.929015e-07	1.771862e-07	0
C19	1.456815e-03	4.038667e-04	0
C24	4.515392e-05	1.998992e-06	0
C20-21	4.014189e-02	1.947977e-02	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	2.733960e-06	2.898689e-08	0
C20-21	3.843335e-04	1.449132e-05	0
C20-21	1.416394e-02	2.712939e-04	0
C22	3.515927e-01	9.356447e-03	0
C23	3.477727e-03	2.770152e-04	0
C23	0.000000e+00	0.000000e+00	0
C23	4.457289e-03	1.755089e-04	0
C23	8.583112e-05	4.495526e-05	0
C23	1.994511e-04	5.450397e-05	0
C23	0.000000e+00	0.000000e+00	0
C23	1.332065e-04	3.707117e-05	0
C24	5.563936e-02	1.260336e-02	0
C24	4.139314e-02	9.388381e-03	0
C24	1.047270e-02	9.623242e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	4.641073e-05	1.071122e-05	0
C24	1.630168e-03	4.526470e-04	0
C24	9.124235e-02	6.960136e-04	0

C24	1.957225e-02	1.455207e-04	0
C24	1.583944e-02	2.164252e-03	0
C24	4.496685e-04	5.314075e-05	0
C24	2.338263e-03	6.399942e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	9.759760e-04	5.509577e-04	0
C25_33	7.873782e-02	9.085877e-03	0
C25	1.144686e-01	5.347713e-03	0
C26	2.243680e-01	3.333078e-03	0
C27	5.331412e-01	3.785497e-02	0
C27	4.873246e-01	2.559029e-02	0
C28_32	3.749097e-01	2.609191e-03	0
C29	1.952764e+00	1.044086e+00	0
C30	2.339484e-01	4.961856e-01	0
C31	7.965125e-02	8.174304e-03	0
E37-39	3.716556e-04	1.842203e-05	0
E37-39	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	1.748099e-13	8.411420e-15	0
D35	3.021162e-13	1.453708e-14	0
D35	8.025751e-15	0.000000e+00	0
D35	6.105355e-13	2.937746e-14	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	1.404786e-14	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	8.516885e-13	4.098115e-14	0
D35	1.850293e-12	8.903153e-14	0
D35	1.617627e-05	4.863073e-10	0
D35	0.000000e+00	0.000000e+00	0
E36	7.149643e-05	2.148271e-09	0
F	1.033408e-02	8.538500e-04	0
F	0.000000e+00	0.000000e+00	0
G45	7.780229e-03	6.549668e-06	0
G47	1.457727e-06	3.155457e-05	0
G46	5.632636e-03	1.629716e-03	0
G47	2.438928e-03	1.055135e-03	0
I	1.096196e-04	5.773172e-07	0
H49	2.727502e-04	1.292523e-08	0
H49	6.453939e-04	5.514423e-06	0
H49	1.567748e-07	5.056046e-05	0
H50	2.609432e-05	1.353980e-05	0
H50	1.023886e-04	8.798774e-07	0
H51	2.428460e-04	6.003720e-05	0
H52	5.488981e-05	5.988624e-09	0

	H53	3.175912e-03	2.143404e-07	0
	K64	1.850662e-04	7.708418e-06	0
	K65	6.306757e-10	0.000000e+00	0
	K66	2.519591e-07	2.454591e-07	0
	L68	2.700326e-06	1.395937e-07	0
	M_N	9.567704e-07	3.012537e-07	0
	J62_63	4.770927e-03	3.717346e-07	0
	M_N	1.241617e-05	6.148974e-08	0
	M_N	6.929426e-03	8.074812e-07	0
	O84	3.185024e-11	0.000000e+00	0
	P85	3.170422e-06	9.209438e-08	0
	M_N	1.695692e-06	1.532239e-07	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	3.983473e-07	2.796131e-07	0
	E37-39	6.260790e-07	4.522531e-07	0
	E37-39	7.635082e-07	1.834265e-07	0
	E37-39	3.979529e-07	7.677323e-08	0
	E37-39	1.023092e-04	6.040178e-08	0
	E37-39	5.101963e-07	6.523717e-08	0
	E37-39	2.047739e-07	2.582645e-08	0
	E37-39	2.409687e-07	3.101070e-08	0
	R_S	1.415306e-05	6.733422e-08	0
	R_S	4.774388e-05	1.065418e-07	0
	R_S	1.214948e-04	9.372034e-07	0
	T	1.248977e-05	1.207410e-05	0
	U	0.000000e+00	0.000000e+00	0
RU	A01	2.446729e-04	3.131947e-05	0
	A01	3.784293e+01	3.635194e+00	0
	A01	1.290127e+01	9.052016e-01	0
	A01	4.281967e-01	1.005913e-02	0
	A01	2.894170e-01	8.733051e-03	0
	A01	3.619312e-03	1.503157e-03	0
	A01	1.503591e-04	3.309234e-05	0
	A01	7.535409e-01	1.137909e-01	0
	A01	2.389730e-03	1.970336e-04	0
	A01	9.359214e-04	2.192279e-04	0
	A01	3.982922e-03	6.090086e-04	0

A01	5.992403e-02	6.438823e-03	0
A01	2.077188e-02	2.048422e-03	0
A01	2.943441e-03	5.134419e-04	0
A01	1.270701e-05	7.893324e-07	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A02	8.967834e-02	1.303608e-02	0
A03	1.300371e-03	8.843327e-04	0
B_nongas	2.091150e+00	6.053444e-01	0
B_nongas	9.011148e-02	6.924428e-03	0
B_gas	2.905786e-01	3.091761e-02	0
B_gas	0.000000e+00	0.000000e+00	0
B_nongas	3.575445e-03	1.139769e-03	0
B_nongas	7.000310e+00	1.863168e-04	0
B_nongas	1.694955e-02	2.888559e-03	0
B_nongas	1.063145e-05	3.158305e-06	0
B_nongas	4.570343e-05	1.652923e-05	0
B_nongas	4.459653e-02	1.511702e-02	0
B_nongas	4.067021e-04	9.455886e-05	0
B_nongas	1.095910e-03	1.690622e-05	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	5.473471e-03	3.830959e-04	0
B_nongas	8.451906e+00	3.966650e+00	0
C10-12	9.308683e-05	1.436393e-05	0
C10-12	6.218761e-05	3.793646e-05	0
C10-12	7.132601e-03	1.746682e-04	0
C10-12	1.397130e-01	5.130812e-04	0
C10-12	9.888232e-01	5.392676e-03	0
C10-12	4.198780e-02	1.369972e-02	0
C10-12	8.950384e-03	4.239234e-05	0
C10-12	1.416214e-02	1.843896e-03	0
C10-12	7.566604e-01	1.196959e-01	0
C10-12	9.018867e-02	6.009319e-03	0
C10-12	3.648655e-02	8.581165e-03	0
C10-12	1.379793e-01	2.585234e-03	0
C13-15	8.506473e-02	1.253719e-02	0
C13-15	6.744228e-03	2.893677e-04	0
C13-15	4.896170e-03	4.893133e-04	0
C16	2.155277e+00	1.396425e-03	0
C16	0.000000e+00	0.000000e+00	0
C17	8.571196e-02	4.842615e-02	0
C17	0.000000e+00	0.000000e+00	0
C17	3.268744e+00	1.378275e-03	0
C18	2.557847e+00	2.893338e-04	0
C19	1.272034e-02	2.844676e-03	0
C19	5.088674e+00	6.551779e-01	0
C24	4.626748e-02	6.792871e-04	0
C20-21	4.311226e-02	1.910013e-02	0

C20-21	0.000000e+00	0.000000e+00	0
C20-21	8.674228e-04	1.676763e-04	0
C20-21	2.004120e-01	4.857310e-02	0
C20-21	1.005758e-01	1.993811e-02	0
C22	2.572352e-01	4.305137e-03	0
C23	9.624172e-03	4.547404e-04	0
C23	0.000000e+00	0.000000e+00	0
C23	6.162931e-03	2.457030e-04	0
C23	1.006739e-04	7.042265e-06	0
C23	1.646408e-02	9.448457e-04	0
C23	0.000000e+00	0.000000e+00	0
C23	3.689277e-03	2.619886e-04	0
C24	1.946147e+00	3.806807e-01	0
C24	0.000000e+00	0.000000e+00	0
C24	1.826339e-01	4.689068e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	2.500222e-02	2.431832e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	3.391058e-01	2.304923e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	1.915278e+00	3.990471e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	8.312612e-02	1.481906e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	1.488349e-03	3.696835e-04	0
C25_33	2.177330e-01	3.413471e-02	0
C25	1.360264e-01	8.801639e-03	0
C26	7.598047e-02	2.387379e-05	0
C27	2.565994e-01	1.857798e-02	0
C27	1.781653e-01	6.872100e-03	0
C28_32	2.611203e-01	2.423470e-04	0
C29	2.630702e-01	1.463773e-01	0
C30	2.645237e-01	5.437386e-01	0
C31	9.069714e-03	1.115869e-03	0
E37-39	4.844333e-04	3.929377e-05	0
E37-39	0.000000e+00	0.000000e+00	0
D35	1.355957e-02	9.519282e-03	0
D35	2.929333e-02	1.626636e-02	0
D35	5.798392e-03	3.313486e-03	0
D35	6.587831e-03	3.510950e-03	0
D35	9.443005e-08	1.132143e-07	0
D35	1.563650e-03	9.127279e-04	0
D35	8.377756e-05	4.763235e-05	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	1.612463e-05	9.727100e-06	0
D35	2.912545e-04	1.675584e-04	0

D35	6.569081e-03	4.833543e-03	0
D35	1.208193e-02	8.014533e-03	0
D35	8.414513e-03	2.750296e-03	0
D35	6.393351e-03	3.207502e-03	0
E36	3.875407e-04	2.499576e-06	0
F	3.366699e-01	3.447268e-04	0
F	0.000000e+00	0.000000e+00	0
G45	6.661841e-02	9.311185e-04	0
G47	1.174254e-03	3.157998e-04	0
G46	1.057036e+00	6.803909e-02	0
G47	1.363390e-01	7.581950e-03	0
I	2.120074e+00	3.859125e-04	0
H49	4.090666e-01	1.943595e-03	0
H49	5.367895e-01	7.224458e-03	0
H49	1.270532e-02	1.098853e-03	0
H50	2.314712e-01	1.049753e-01	0
H50	3.673906e-03	3.819994e-04	0
H51	6.488846e+00	2.327878e+00	0
H52	1.328885e+00	3.204290e-03	0
H53	3.666669e-01	2.330696e-04	0
K64	8.695611e-02	3.621870e-03	0
K65	6.135965e-07	8.646527e-09	0
K66	2.898382e-04	2.787938e-04	0
L68	6.123108e-04	3.225604e-05	0
M_N	6.753404e-06	7.082162e-07	0
J62_63	2.750119e-01	2.071476e-05	0
M_N	3.594234e-02	1.897618e-03	0
M_N	5.783830e-02	5.606065e-06	0
O84	1.741222e-01	3.799748e-02	0
P85	2.535219e-02	8.717801e-04	0
M_N	1.294734e-02	9.900529e-04	0
E37-39	1.386782e-04	1.101560e-06	0
E37-39	1.456756e-04	9.512066e-07	0
E37-39	1.974388e-06	1.560912e-07	0
E37-39	1.364187e-05	1.429852e-06	0
E37-39	3.077865e-05	1.925380e-07	0
E37-39	4.724270e-05	2.695966e-07	0
E37-39	3.524284e-06	3.105939e-07	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	1.399574e-04	1.850483e-05	0
E37-39	2.711064e-04	3.800737e-05	0
E37-39	1.799962e-02	2.170456e-03	0
E37-39	9.264428e-03	1.039064e-03	0
E37-39	8.440731e-03	2.145154e-04	0

	E37-39	8.622811e-03	6.577514e-04	0
	E37-39	1.645256e-03	2.382837e-04	0
	E37-39	1.861026e-03	2.810329e-04	0
	R_S	1.789733e-05	1.365242e-08	0
	R_S	4.223126e-02	2.385312e-04	0
	R_S	3.430814e-04	4.854320e-09	0
	T	1.446103e-06	1.397976e-06	0
	U	0.000000e+00	0.000000e+00	0
AU	A01	9.505526e-05	1.357936e-06	0
	A01	3.890231e+00	3.722353e-01	0
	A01	7.177680e-01	4.941128e-02	0
	A01	3.956429e+00	8.697830e-02	0
	A01	1.421995e+00	3.247461e-02	0
	A01	2.350475e-03	7.942162e-06	0
	A01	5.181508e-03	1.787426e-05	0
	A01	1.059434e+00	2.981134e-03	0
	A01	9.419499e+00	3.614990e-04	0
	A01	9.231817e-05	5.440555e-07	0
	A01	3.646278e-04	2.152865e-06	0
	A01	5.586547e+00	4.001017e-02	0
	A01	4.695194e-03	2.957945e-07	0
	A01	1.671166e-02	2.509688e-04	0
	A01	9.995403e-04	6.469219e-06	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	9.270428e-05	3.909588e-08	0
	A03	7.708019e-05	1.041641e-07	0
	B_nongas	3.194247e-01	9.239578e-02	0
	B_nongas	7.961432e-04	1.766864e-06	0
	B_gas	2.425543e-03	9.106028e-08	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_nongas	5.555637e-04	1.601234e-06	0
	B_nongas	8.119143e-04	5.663247e-08	0
	B_nongas	1.597816e-03	3.863103e-06	0
	B_nongas	4.950054e-05	1.570171e-07	0
	B_nongas	2.476287e-05	7.854854e-08	0
	B_nongas	2.133691e-03	5.440492e-06	0
	B_nongas	4.993238e-05	1.583869e-07	0
	B_nongas	3.435379e-01	2.075494e-09	0
	B_nongas	6.896708e-05	3.918538e-09	0
	B_nongas	2.217759e-02	7.003752e-08	0
	B_nongas	7.679786e-01	3.606001e-01	0
	C10-12	1.029877e-01	3.889238e-04	0
	C10-12	1.414229e-05	1.136532e-06	0
	C10-12	2.872864e-03	7.543435e-08	0
	C10-12	9.231387e-01	1.689766e-05	0
	C10-12	6.238769e-03	1.416041e-05	0
	C10-12	1.769640e+00	7.574712e-06	0

C10-12	1.500925e-01	1.162250e-04	0
C10-12	5.665456e-02	7.535103e-04	0
C10-12	4.757894e-01	7.061447e-02	0
C10-12	2.130542e-01	1.007155e-02	0
C10-12	2.605350e-03	9.572028e-08	0
C10-12	3.419858e-04	4.235977e-06	0
C13-15	1.568991e-01	2.318915e-02	0
C13-15	5.008968e-02	3.257204e-06	0
C13-15	8.641667e-03	3.813577e-07	0
C16	2.085314e-02	4.138440e-06	0
C16	0.000000e+00	0.000000e+00	0
C17	2.152027e-04	1.223914e-04	0
C17	0.000000e+00	0.000000e+00	0
C17	8.635941e-01	4.942615e-06	0
C18	8.579476e-02	1.069673e-06	0
C19	9.644237e-07	2.495163e-07	0
C19	2.793037e-03	4.490809e-04	0
C24	8.362640e-05	1.036474e-06	0
C20-21	1.732804e-02	9.247258e-03	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	4.343687e-08	1.321216e-08	0
C20-21	8.526870e-04	6.089951e-05	0
C20-21	4.483803e-03	2.630345e-04	0
C22	6.389056e-01	2.911552e-03	0
C23	1.875824e-03	3.908980e-05	0
C23	0.000000e+00	0.000000e+00	0
C23	4.893359e-03	7.877860e-06	0
C23	4.405303e-06	2.208480e-07	0
C23	7.992977e-05	6.470859e-07	0
C23	0.000000e+00	0.000000e+00	0
C23	1.665708e-05	5.533075e-06	0
C24	1.949325e-01	3.773532e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	2.004888e-01	7.869589e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	4.498814e-01	2.068324e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	2.389171e-01	3.232082e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	2.131793e-03	3.980926e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	1.126131e-01	6.878122e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	2.456153e-06	2.471232e-07	0
C25_33	6.278557e-02	5.537462e-03	0
C25	1.179673e-01	3.549775e-06	0
C26	3.019701e-02	2.378152e-06	0
C27	2.365263e-01	1.709941e-02	0

C27	7.088090e-02	2.714667e-03	0
C28_32	4.234754e-02	6.183036e-06	0
C29	5.726159e-01	3.238037e-01	0
C30	5.303948e-02	1.147595e-01	0
C31	1.346871e-04	7.192225e-05	0
E37-39	5.658938e-06	1.616669e-06	0
E37-39	0.000000e+00	0.000000e+00	0
D35	1.934472e-03	7.150031e-08	0
D35	2.283567e-04	9.351916e-09	0
D35	0.000000e+00	0.000000e+00	0
D35	1.201296e-04	4.639458e-09	0
D35	2.218465e-05	8.567809e-10	0
D35	2.275582e-05	8.788395e-10	0
D35	2.585741e-05	9.986242e-10	0
D35	8.361085e-07	3.229087e-11	0
D35	2.355707e-08	5.280980e-13	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	3.978346e-06	1.536454e-10	0
D35	1.545226e-03	3.813288e-08	0
D35	6.651637e-03	1.624259e-07	0
D35	1.157937e-03	2.513568e-08	0
D35	0.000000e+00	0.000000e+00	0
E36	3.975586e-04	8.942314e-09	0
F	3.257791e-01	1.396037e-04	0
F	0.000000e+00	0.000000e+00	0
G45	2.569276e-01	7.764632e-03	0
G47	2.495443e-03	3.194795e-04	0
G46	8.046712e-01	3.948751e-02	0
G47	3.081855e-01	1.919276e-02	0
I	4.651642e-04	4.033155e-08	0
H49	6.489293e-04	1.498021e-06	0
H49	2.700983e-03	1.100312e-05	0
H49	7.462385e-06	6.828346e-05	0
H50	7.640469e-05	1.845675e-05	0
H50	1.479345e-04	1.243101e-06	0
H51	8.313799e-03	1.715282e-02	0
H52	3.327360e-03	2.501947e-07	0
H53	1.115846e-01	8.098176e-06	0
K64	8.091453e-04	1.121789e-05	0
K65	9.424313e-03	7.227702e-07	0
K66	5.718704e-03	3.089162e-06	0
L68	8.151592e-04	1.904007e-07	0
M_N	4.233851e-04	3.285239e-08	0
J62_63	7.527211e-01	5.669584e-05	0
M_N	3.940282e-04	1.244714e-07	0
M_N	3.301414e-02	3.031958e-06	0
O84	2.300143e-02	1.735697e-06	0

	P85	5.311918e-03	4.033730e-07	0
	M_N	2.771519e-03	2.114281e-07	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	2.420730e-05	1.520599e-09	0
	E37-39	2.697707e-06	1.694584e-10	0
	E37-39	8.251124e-07	4.637925e-11	0
	E37-39	4.681806e-05	8.240872e-09	0
	E37-39	4.941878e-06	5.217040e-09	0
	E37-39	4.399179e-05	3.127874e-07	0
	E37-39	5.386758e-04	5.133093e-07	0
	E37-39	4.424768e-05	5.322364e-09	0
	E37-39	9.039676e-06	2.833362e-09	0
	E37-39	1.476827e-04	8.857424e-11	0
	E37-39	6.373576e-06	5.654478e-09	0
	E37-39	1.254974e-06	6.871265e-11	0
	E37-39	5.885788e-07	2.808657e-11	0
	R_S	9.573932e-05	9.050309e-09	0
	R_S	1.997534e-03	1.470872e-07	0
	R_S	3.770756e-04	1.764340e-08	0
	T	1.053455e-06	7.750419e-07	0
	U	0.000000e+00	0.000000e+00	0
CH	A01	0.000000e+00	0.000000e+00	0
	A01	8.629306e-04	8.287786e-05	0
	A01	1.392310e-07	1.243749e-08	0
	A01	1.967855e-02	4.332328e-04	0
	A01	1.923649e-04	4.399035e-06	0
	A01	1.668057e-07	1.490073e-08	0
	A01	0.000000e+00	0.000000e+00	0
	A01	1.680069e-02	4.728901e-05	0
	A01	1.625880e-06	1.452754e-07	0
	A01	1.164684e-06	1.040411e-07	0
	A01	1.281808e-06	1.145038e-07	0
	A01	7.206055e-03	5.161768e-05	0
	A01	4.181570e-03	2.634872e-07	0
	A01	2.349539e-06	2.098840e-07	0
	A01	1.770045e-11	5.832729e-12	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	7.233637e-08	1.450103e-08	0
	A03	6.845881e-08	1.980207e-08	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0

B_gas	4.894867e-07	1.207223e-08	0
B_gas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	5.129037e-04	3.226326e-07	0
B_nongas	3.049426e-04	6.611705e-07	0
B_nongas	1.128256e+00	5.297942e-01	0
C10-12	2.112209e-06	2.301929e-08	0
C10-12	4.835316e-06	5.269625e-08	0
C10-12	3.815373e-06	4.158074e-08	0
C10-12	4.526111e-04	6.741751e-08	0
C10-12	2.584074e-03	6.096415e-06	0
C10-12	1.313214e-01	1.708728e-06	0
C10-12	1.127332e-06	1.228206e-08	0
C10-12	1.870345e-02	2.469011e-04	0
C10-12	8.153025e-01	1.209289e-01	0
C10-12	9.450437e-02	4.466777e-03	0
C10-12	1.370788e-03	7.786239e-08	0
C10-12	5.338558e-01	6.414035e-03	0
C13-15	2.819993e-01	4.150604e-02	0
C13-15	4.321151e-02	1.073954e-04	0
C13-15	6.588283e-02	2.791176e-06	0
C16	4.899930e-02	1.153105e-05	0
C16	0.000000e+00	0.000000e+00	0
C17	1.192426e-03	6.820407e-04	0
C17	0.000000e+00	0.000000e+00	0
C17	2.299471e-01	1.496377e-06	0
C18	1.024492e+00	1.878605e-05	0
C19	0.000000e+00	0.000000e+00	0
C19	4.954928e-01	4.899604e-02	0
C24	4.945347e-03	1.022512e-06	0
C20-21	7.593890e-02	4.042009e-02	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	3.066664e-08	2.165850e-11	0
C20-21	1.047045e-04	6.842397e-06	0
C20-21	3.857967e-02	2.331069e-03	0
C22	6.854499e-01	3.221464e-03	0
C23	3.054969e-02	5.661752e-03	0
C23	0.000000e+00	0.000000e+00	0
C23	9.791976e-03	1.466590e-03	0
C23	8.864370e-04	4.162527e-04	0
C23	1.498060e-02	7.015580e-03	0

C23	0.000000e+00	0.000000e+00	0
C23	9.090658e-03	4.257475e-03	0
C24	3.141373e-02	6.094280e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	4.729449e+00	1.848257e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	2.593804e-03	1.808761e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	8.376724e-03	1.292553e-07	0
C24	0.000000e+00	0.000000e+00	0
C24	4.226190e-03	2.599902e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	8.409893e-02	2.705603e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	2.317726e-05	2.332454e-07	0
C25_33	2.743154e-01	2.398966e-02	0
C25	3.242411e-01	1.111596e-04	0
C26	7.607018e-02	2.586821e-05	0
C27	1.459535e+00	1.036127e-01	0
C27	2.305735e-01	1.057571e-02	0
C28_32	2.841905e+00	4.443323e-04	0
C29	4.800114e-02	2.712391e-02	0
C30	9.719046e-02	2.105643e-01	0
C31	2.395774e-02	2.631740e-03	0
E37-39	2.222368e-05	1.470620e-08	0
E37-39	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	1.173974e-06	4.950055e-08	0
D35	4.581712e-05	1.930514e-06	0
D35	5.780488e-05	2.435621e-06	0
D35	4.184981e-08	2.158249e-09	0
D35	3.793045e-07	1.580796e-08	0
D35	3.920393e-06	1.651866e-07	0
D35	5.059007e-08	2.184186e-09	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	5.246519e-05	2.210632e-06	0
D35	1.252374e-04	5.276904e-06	0
D35	1.043560e-05	4.397062e-07	0
D35	7.026892e-07	4.140547e-08	0
E36	2.941094e-04	1.249077e-05	0
F	6.029847e-02	2.405769e-02	0
F	0.000000e+00	0.000000e+00	0
G45	1.824651e-02	1.217721e-05	0
G47	5.753876e-05	6.514403e-05	0
G46	1.460469e-01	1.325065e-02	0

	G47	1.329579e-01	1.159865e-02	0
	I	8.217996e-04	4.102793e-05	0
	H49	2.998256e-03	5.471216e-03	0
	H49	6.380625e-03	1.316297e-02	0
	H49	9.040235e-04	2.000734e-03	0
	H50	2.710489e-03	5.660975e-03	0
	H50	2.824140e-04	2.670035e-04	0
	H51	3.752374e-03	7.456755e-03	0
	H52	9.681727e-03	2.034724e-02	0
	H53	6.999753e-02	1.180572e-05	0
	K64	6.624827e-04	1.120720e-05	0
	K65	1.906216e-04	3.784694e-08	0
	K66	4.427612e-04	1.230990e-05	0
	L68	2.377360e-04	1.602190e-06	0
	M_N	1.333215e-03	5.679151e-04	0
	J62_63	1.587738e+00	1.926031e-04	0
	M_N	7.765158e-03	8.438594e-04	0
	M_N	6.686041e-02	7.134556e-03	0
	O84	1.170295e-03	6.261311e-06	0
	P85	2.383058e-03	5.364521e-04	0
	M_N	3.940241e-03	5.110747e-04	0
	E37-39	1.299288e-04	4.001687e-06	0
	E37-39	1.001417e-04	3.082705e-06	0
	E37-39	9.772828e-06	2.971773e-07	0
	E37-39	2.110623e-05	6.503612e-07	0
	E37-39	2.146600e-05	6.554818e-07	0
	E37-39	2.554582e-05	7.816971e-07	0
	E37-39	2.655532e-05	8.111503e-07	0
	E37-39	1.247035e-05	3.850377e-07	0
	E37-39	1.684871e-06	5.162660e-08	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	5.639042e-05	1.729723e-06	0
	E37-39	1.276510e-05	3.767376e-07	0
	E37-39	1.943422e-05	7.794251e-07	0
	E37-39	3.733310e-05	1.442510e-06	0
	E37-39	1.086531e-05	3.156629e-07	0
	E37-39	7.200223e-06	1.929985e-07	0
	E37-39	8.967999e-05	1.408049e-07	0
	E37-39	7.823457e-06	2.020696e-07	0
	E37-39	2.169286e-06	5.919193e-08	0
	E37-39	2.781046e-06	7.517540e-08	0
	R_S	3.168445e-04	1.400079e-06	0
	R_S	1.018114e-03	4.822966e-06	0
	R_S	1.575321e-03	1.993249e-04	0
	T	2.613317e-04	3.797418e-05	0
	U	0.000000e+00	0.000000e+00	0
TR	A01	3.605608e-03	5.032879e-04	0
	A01	2.023444e-01	2.166087e-02	0

A01	2.357132e-01	1.818839e-02	0
A01	8.573638e+00	2.359470e-01	0
A01	4.631413e-01	1.479926e-02	0
A01	2.212285e-02	3.121157e-03	0
A01	4.132202e-02	5.816300e-03	0
A01	9.651916e-01	1.061805e-02	0
A01	1.471702e-01	1.276652e-02	0
A01	1.308212e-06	5.967179e-08	0
A01	2.574721e-01	3.534945e-02	0
A01	7.554543e-02	1.014312e-02	0
A01	3.472772e-01	1.130153e-03	0
A01	1.089763e-01	1.539056e-02	0
A01	1.243566e-03	1.735830e-04	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A02	1.438368e-04	8.252725e-07	0
A03	1.923581e-05	2.556600e-05	0
B_nongas	1.872821e-02	5.094695e-03	0
B_nongas	2.855785e-05	1.038557e-05	0
B_gas	4.450590e-06	4.990807e-07	0
B_gas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	1.877534e+00	1.125294e-06	0
B_nongas	6.405573e-05	5.358664e-06	0
B_nongas	3.095922e-04	9.173730e-09	0
B_nongas	1.795889e-06	1.531824e-07	0
B_nongas	4.812007e-05	4.025527e-06	0
B_nongas	2.686899e-03	6.933359e-07	0
B_nongas	1.252513e-03	2.408368e-06	0
B_nongas	9.502820e-01	2.301332e-04	0
B_nongas	2.558364e-01	1.197936e-04	0
B_nongas	4.856528e-01	2.279368e-01	0
C10-12	8.568351e-04	7.129221e-06	0
C10-12	7.097728e-09	8.767399e-09	0
C10-12	7.057025e-01	2.403633e-04	0
C10-12	8.755363e-02	2.679732e-06	0
C10-12	6.972399e-01	1.742489e-03	0
C10-12	2.744779e+00	1.790192e-03	0
C10-12	1.333682e-02	1.926148e-05	0
C10-12	1.180606e-01	1.626935e-03	0
C10-12	7.981631e+00	1.183287e+00	0
C10-12	8.118256e-01	3.840716e-02	0
C10-12	8.287546e-02	4.995478e-05	0
C10-12	1.558292e+00	1.871748e-02	0
C13-15	2.117476e+01	2.989362e+00	0
C13-15	2.409801e+00	3.860847e-02	0
C13-15	6.945361e-01	7.923800e-04	0
C16	9.367166e-01	1.674078e-02	0

C16	0.000000e+00	0.000000e+00	0
C17	7.260660e-02	4.123531e-02	0
C17	0.000000e+00	0.000000e+00	0
C17	1.454385e+01	3.687963e-03	0
C18	8.037273e-01	5.788751e-04	0
C19	1.147997e-04	2.676854e-05	0
C19	3.853447e+00	6.335295e-01	0
C24	1.269997e-03	2.648753e-07	0
C20-21	1.198150e+00	5.400313e-01	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	3.973045e-04	4.384466e-06	0
C20-21	2.406027e-02	9.682758e-04	0
C20-21	1.171135e+00	2.443379e-02	0
C22	1.563704e+01	1.037728e-01	0
C23	3.191830e-01	2.208926e-02	0
C23	0.000000e+00	0.000000e+00	0
C23	4.192670e-01	3.154986e-02	0
C23	8.318055e-04	1.133267e-04	0
C23	1.296162e-02	7.210763e-04	0
C23	0.000000e+00	0.000000e+00	0
C23	1.708342e-01	2.687986e-02	0
C24	1.941516e-01	7.510176e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	5.027880e+00	2.062883e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	6.675280e-02	8.437691e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	1.395380e-01	1.435721e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	2.998926e-01	8.453399e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	4.751152e-03	5.785954e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	3.867437e-03	3.065492e-04	0
C25_33	3.422062e+00	4.335937e-01	0
C25	1.712000e+00	1.050969e-01	0
C26	3.440674e-02	8.234350e-05	0
C27	5.264713e+00	3.788781e-01	0
C27	2.039884e-01	9.177801e-03	0
C28_32	2.468350e-01	7.754290e-04	0
C29	3.032791e+00	1.567887e+00	0
C30	3.105361e-01	6.105018e-01	0
C31	1.973634e-01	1.836162e-02	0
E37-39	1.750601e-03	1.144999e-03	0
E37-39	0.000000e+00	0.000000e+00	0
D35	1.040967e-01	7.531687e-03	0
D35	2.553937e-01	1.847802e-02	0
D35	0.000000e+00	0.000000e+00	0

D35	9.176599e-02	6.639065e-03	0
D35	2.119561e-04	1.534887e-05	0
D35	4.485111e-03	3.246995e-04	0
D35	1.086603e-04	7.844739e-06	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	8.991805e-05	6.522086e-06	0
D35	6.803636e-04	4.925891e-05	0
D35	2.047877e-01	1.481600e-02	0
D35	5.460818e-01	3.950925e-02	0
D35	3.527003e-02	2.551913e-03	0
D35	2.138934e-03	1.551408e-04	0
E36	2.646496e-02	3.364917e-05	0
F	7.642246e-03	1.914614e-03	0
F	0.000000e+00	0.000000e+00	0
G45	1.826079e-01	3.417581e-03	0
G47	9.391311e-03	2.220962e-04	0
G46	3.043926e-02	7.292929e-03	0
G47	6.375188e-02	1.269599e-02	0
I	1.084620e+00	5.371867e-04	0
H49	6.693731e-04	2.231392e-04	0
H49	7.317728e-04	3.645747e-04	0
H49	1.410816e-04	1.277973e-04	0
H50	2.792639e-04	1.630395e-04	0
H50	1.174121e-04	1.073428e-05	0
H51	1.088881e+00	4.071780e-01	0
H52	1.103624e-03	4.098121e-04	0
H53	2.550483e-01	1.722574e-05	0
K64	2.007264e-02	4.486464e-03	0
K65	1.187402e-04	2.864865e-05	0
K66	4.636822e-04	2.825391e-05	0
L68	2.780766e-05	6.543751e-06	0
M_N	2.595702e-03	1.365446e-03	0
J62_63	8.615997e-02	7.550298e-06	0
M_N	9.238825e-05	3.746452e-08	0
M_N	9.344372e-03	8.063096e-04	0
O84	7.163640e-05	6.656011e-09	0
P85	4.069264e-03	1.486880e-03	0
M_N	8.928558e-03	7.041865e-04	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	2.835975e-07	7.470433e-09	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	7.062950e-07	1.267297e-08	0
E37-39	0.000000e+00	0.000000e+00	0

	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	4.214526e-07	4.517477e-09	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	1.777553e-07	2.181763e-07	0
	E37-39	2.599005e-07	3.506423e-07	0
	E37-39	1.147015e-07	1.406707e-09	0
	E37-39	1.301373e-07	1.592922e-09	0
	E37-39	1.023024e-04	0.000000e+00	0
	E37-39	2.912999e-07	3.692952e-09	0
	E37-39	1.126678e-07	0.000000e+00	0
	E37-39	1.306555e-07	0.000000e+00	0
	R_S	8.246583e-05	2.874863e-09	0
	R_S	2.756098e-02	5.856485e-04	0
	R_S	1.793365e-04	3.123161e-05	0
	T	1.253946e-05	1.212215e-05	0
	U	0.000000e+00	0.000000e+00	0
TW	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	4.049937e-04	2.835722e-05	0
	A01	3.996324e-01	8.796666e-03	0
	A01	8.210789e-01	1.876248e-02	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	6.171167e-10	0
	A01	5.501309e-01	1.547773e-03	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	1.159638e-03	8.305410e-06	0
	A01	9.298207e-04	5.747859e-08	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	2.160098e-07	4.330277e-08	0
	A03	3.466993e-08	1.002846e-08	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	2.464938e-01	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	4.898559e-10	0.000000e+00	0
	B_nongas	8.387697e-05	0.000000e+00	0

B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	6.427176e-02	1.723435e-07	0
B_nongas	1.358510e-01	6.379289e-02	0
C10-12	6.968380e-05	2.591626e-07	0
C10-12	3.267275e-09	4.097178e-09	0
C10-12	7.163736e-03	1.862461e-07	0
C10-12	2.204359e-03	3.670254e-08	0
C10-12	1.722991e-03	3.911512e-06	0
C10-12	1.523681e-03	6.504937e-09	0
C10-12	1.307021e-02	9.830759e-06	0
C10-12	1.311275e-03	1.731414e-05	0
C10-12	2.446187e-01	3.631271e-02	0
C10-12	2.503926e-02	1.184479e-03	0
C10-12	5.856792e-02	2.100583e-06	0
C10-12	3.334048e-02	4.005767e-04	0
C13-15	7.079507e+00	1.047144e+00	0
C13-15	7.041491e-01	4.578306e-05	0
C13-15	6.087216e-01	2.144416e-05	0
C16	4.179829e-01	3.366738e-05	0
C16	0.000000e+00	0.000000e+00	0
C17	4.510934e-03	2.580326e-03	0
C17	0.000000e+00	0.000000e+00	0
C17	3.229901e+00	1.847041e-05	0
C18	4.735434e-01	7.218811e-06	0
C19	2.573896e-03	9.578905e-05	0
C19	4.221740e-01	7.641909e-02	0
C24	3.012880e-04	0.000000e+00	0
C20-21	4.757528e-01	2.539971e-01	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	7.658022e-05	2.390743e-07	0
C20-21	1.208809e-03	8.285315e-05	0
C20-21	1.260065e-02	5.059125e-04	0
C22	6.516311e+00	2.969943e-02	0
C23	1.409934e-01	2.968067e-03	0
C23	0.000000e+00	0.000000e+00	0
C23	1.256224e-01	2.023659e-04	0
C23	3.294450e-06	2.088320e-05	0
C23	4.487259e-05	1.203452e-05	0
C23	0.000000e+00	0.000000e+00	0
C23	7.813859e-05	3.643461e-05	0
C24	8.415486e-01	1.636608e-01	0
C24	0.000000e+00	0.000000e+00	0
C24	1.607894e-01	6.282668e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	5.901657e-02	2.663800e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	1.329354e-02	1.119579e-07	0
C24	0.000000e+00	0.000000e+00	0

	K64	1.607641e-04	6.696182e-06	0
	K65	5.486902e-10	0.000000e+00	0
	K66	4.189736e-06	4.081650e-06	0
	L68	4.277037e-06	2.058005e-07	0
	M_N	5.662177e-09	5.937813e-10	0
	J62_63	3.654692e-02	2.752830e-06	0
	M_N	1.920611e-03	7.788301e-07	0
	M_N	2.791306e-03	2.705516e-07	0
	O84	2.765911e-11	0.000000e+00	0
	P85	1.085853e-09	6.499315e-11	0
	M_N	6.110285e-09	1.719145e-09	0
	E37-39	2.769368e-07	2.914197e-09	0
	E37-39	2.470871e-07	2.865398e-09	0
	E37-39	1.293645e-07	0.000000e+00	0
	E37-39	2.982744e-07	7.857047e-09	0
	E37-39	3.115065e-07	2.917400e-09	0
	E37-39	3.555423e-07	4.474172e-09	0
	E37-39	6.269181e-07	1.124872e-08	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	1.791429e-07	0.000000e+00	0
	E37-39	3.654664e-07	3.917370e-09	0
	E37-39	7.597916e-07	7.808231e-09	0
	E37-39	1.541224e-07	1.891694e-07	0
	E37-39	2.253372e-07	3.040115e-07	0
	E37-39	9.945726e-08	1.219751e-09	0
	E37-39	1.128748e-07	1.381623e-09	0
	E37-39	8.874211e-05	0.000000e+00	0
	E37-39	2.527011e-07	3.203616e-09	0
	E37-39	9.773845e-08	0.000000e+00	0
	E37-39	1.133429e-07	0.000000e+00	0
	R_S	1.235806e-05	2.031840e-09	0
	R_S	1.001097e-06	9.718623e-09	0
	R_S	9.895320e-05	1.400106e-09	0
	T	1.085557e-05	1.049430e-05	0
	U	0.000000e+00	0.000000e+00	0
NO	A01	0.000000e+00	0.000000e+00	0
	A01	1.652061e-07	7.540817e-08	0
	A01	1.266020e-06	6.579647e-07	0
	A01	1.162749e-06	5.596237e-07	0
	A01	1.286786e-07	6.680161e-08	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	1.025826e-02	2.992942e-05	0
	A01	3.716253e-07	1.442136e-07	0
	A01	9.806661e-08	1.813108e-08	0
	A01	6.879322e-07	3.107414e-07	0
	A01	4.485621e-03	3.229276e-05	0

A01	1.750171e-05	1.711123e-08	0
A01	1.543218e-06	6.108537e-07	0
A01	2.851772e-08	1.051554e-08	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A02	5.106914e-04	2.919068e-06	0
A03	2.027023e-03	3.844454e-05	0
B_nongas	6.452382e-04	3.168423e-05	0
B_nongas	5.108145e-02	5.126096e-03	0
B_gas	3.620271e+01	8.889337e-03	0
B_gas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	6.840692e-02	2.173893e-07	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	4.270129e-05	3.145536e-08	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	3.288142e-02	1.160307e-05	0
B_nongas	8.214242e-02	5.312929e-06	0
B_nongas	5.894963e-03	9.676233e-05	0
B_nongas	2.107503e-03	9.103839e-04	0
C10-12	9.088268e-05	2.711881e-06	0
C10-12	3.821491e-04	5.780568e-06	0
C10-12	3.746192e-04	1.030732e-05	0
C10-12	4.290007e-03	2.882882e-05	0
C10-12	4.203561e-04	1.843865e-05	0
C10-12	1.971616e-02	2.001137e-04	0
C10-12	1.377488e-07	4.016173e-09	0
C10-12	3.177994e-07	1.522323e-08	0
C10-12	2.194028e-02	2.876821e-03	0
C10-12	7.685022e-02	3.630457e-03	0
C10-12	3.075413e-01	3.650224e-04	0
C10-12	3.359204e-05	1.543243e-06	0
C13-15	2.831839e-02	4.009037e-03	0
C13-15	3.398542e-03	1.038240e-04	0
C13-15	6.412586e-04	9.006483e-08	0
C16	4.718964e-02	1.509432e-05	0
C16	0.000000e+00	0.000000e+00	0
C17	6.959280e-03	2.272237e-03	0
C17	0.000000e+00	0.000000e+00	0
C17	2.412731e-01	4.819406e-05	0
C18	1.450251e-02	1.152166e-04	0
C19	0.000000e+00	0.000000e+00	0
C19	1.507905e+00	1.099726e-01	0
C24	8.672385e-04	4.479134e-08	0
C20-21	4.158916e-02	1.909438e-02	0
C20-21	0.000000e+00	0.000000e+00	0

C20-21	9.140901e-03	8.575844e-07	0
C20-21	5.490348e-03	1.825169e-03	0
C20-21	5.555372e-03	2.054590e-04	0
C22	3.550793e-01	2.090367e-03	0
C23	4.511497e-03	1.192259e-04	0
C23	0.000000e+00	0.000000e+00	0
C23	2.182144e-03	1.739992e-05	0
C23	8.126268e-05	2.759372e-06	0
C23	1.347165e-03	3.657411e-05	0
C23	0.000000e+00	0.000000e+00	0
C23	5.850787e-03	1.907653e-04	0
C24	2.358583e-02	4.585893e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	1.607681e-03	1.942038e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	1.930006e-03	1.496615e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	9.175927e-03	1.432842e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	2.617072e-02	3.298114e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	6.059899e-02	6.629549e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	8.172026e-05	1.207444e-05	0
C25_33	6.590558e-02	5.512477e-03	0
C25	5.564748e-01	2.509531e-02	0
C26	9.125652e-03	8.123694e-07	0
C27	2.297655e-01	1.673457e-02	0
C27	2.952186e-02	1.249149e-03	0
C28_32	8.569315e-02	2.634215e-03	0
C29	4.237063e-02	2.535515e-02	0
C30	1.912471e-01	2.810308e-01	0
C31	1.701985e-03	7.860987e-04	0
E37-39	1.139202e-07	3.775066e-08	0
E37-39	0.000000e+00	0.000000e+00	0
D35	6.198289e-04	6.616540e-08	0
D35	1.059690e-05	4.277594e-07	0
D35	0.000000e+00	0.000000e+00	0
D35	1.247858e-03	4.652138e-05	0
D35	1.332887e-05	9.294004e-07	0
D35	2.877047e-07	1.314770e-08	0
D35	3.953545e-06	2.442991e-07	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	9.528632e-05	9.941143e-08	0
D35	1.469200e-04	7.823317e-06	0

D35	1.466562e-03	8.295781e-05	0
D35	3.246098e-05	1.303974e-06	0
D35	3.278059e-04	6.314150e-06	0
E36	2.390034e-08	1.876206e-09	0
F	1.525430e-02	7.685601e-04	0
F	0.000000e+00	0.000000e+00	0
G45	2.992163e-04	2.072112e-07	0
G47	6.194610e-06	1.532394e-05	0
G46	7.649316e-02	3.992834e-03	0
G47	1.245448e-02	6.798954e-04	0
I	1.634608e-04	2.261689e-08	0
H49	8.531095e-04	1.596938e-05	0
H49	1.589430e-03	8.482974e-05	0
H49	1.443807e-03	1.288012e-04	0
H50	1.238001e-04	2.079490e-05	0
H50	3.423511e-05	2.941430e-07	0
H51	8.782326e-03	5.127638e-04	0
H52	2.834475e-04	1.284017e-06	0
H53	4.978633e-03	3.284251e-07	0
K64	2.886774e-04	1.202406e-05	0
K65	2.268173e-06	1.359079e-07	0
K66	3.227411e-06	3.144151e-06	0
L68	2.766693e-05	2.603384e-07	0
M_N	8.630988e-06	8.455257e-08	0
J62_63	9.572852e-04	1.569912e-07	0
M_N	2.835564e-05	1.210197e-07	0
M_N	2.295242e-03	1.947143e-07	0
O84	1.585133e-06	1.542583e-10	0
P85	1.373145e-08	1.044735e-10	0
M_N	5.725620e-03	4.243281e-04	0
E37-39	5.206071e-07	7.309928e-09	0
E37-39	4.612632e-07	6.675384e-09	0
E37-39	2.358437e-07	1.498204e-10	0
E37-39	5.783392e-07	1.970821e-08	0
E37-39	5.679259e-07	5.587673e-09	0
E37-39	6.484130e-07	8.502939e-09	0
E37-39	1.148476e-06	2.188198e-08	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	6.758336e-07	9.076920e-09	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	2.839041e-07	3.431613e-07	0
E37-39	4.160602e-07	5.515941e-07	0
E37-39	1.869243e-07	3.016425e-09	0
E37-39	2.092545e-07	3.084648e-09	0
E37-39	1.609898e-04	3.949241e-11	0
E37-39	4.750506e-07	8.005386e-09	0

	E37-39	1.779534e-07	1.099789e-10	0
	E37-39	2.064447e-07	1.369514e-10	0
	R_S	2.241709e-05	3.685685e-09	0
	R_S	4.705269e-05	5.959549e-08	0
	R_S	1.763426e-04	1.875388e-08	0
	T	0.000000e+00	0.000000e+00	0
	U	0.000000e+00	0.000000e+00	0
ID	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	9.709722e-05	6.798642e-06	0
	A01	1.308234e+00	2.879672e-02	0
	A01	7.012018e-03	1.602317e-04	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	1.220923e-08	0
	A01	2.034280e+00	5.723371e-03	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	2.486920e-02	1.781149e-04	0
	A01	5.099308e-05	3.152232e-09	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	1.560641e-06	3.128565e-07	0
	A03	5.168292e-07	1.494955e-07	0
	B_nongas	8.328461e-02	2.431503e-02	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	6.054778e-04	0.000000e+00	0
	B_nongas	3.845489e-03	1.537645e-08	0
	B_nongas	1.361825e-03	3.651707e-09	0
	B_nongas	1.208361e-03	5.674219e-04	0
	C10-12	2.855733e-06	1.062082e-08	0
	C10-12	0.000000e+00	0.000000e+00	0
	C10-12	1.257183e-05	3.268482e-10	0
	C10-12	2.335761e-04	3.889037e-09	0
	C10-12	1.376195e+00	3.124220e-03	0
	C10-12	6.744188e-03	2.879245e-08	0
	C10-12	1.342557e-03	1.009804e-06	0

C10-12	7.332097e-04	9.681333e-06	0
C10-12	7.250022e-01	1.076238e-01	0
C10-12	3.112621e-02	1.472421e-03	0
C10-12	2.528195e-01	9.067563e-06	0
C10-12	5.660034e-02	6.800374e-04	0
C13-15	2.676581e+00	3.958983e-01	0
C13-15	2.420416e-01	1.573730e-05	0
C13-15	2.555413e-01	9.002257e-06	0
C16	4.661230e-01	3.754493e-05	0
C16	0.000000e+00	0.000000e+00	0
C17	5.313314e-01	3.039300e-01	0
C17	0.000000e+00	0.000000e+00	0
C17	6.650361e+00	3.803055e-05	0
C18	3.780367e-01	5.762884e-06	0
C19	0.000000e+00	0.000000e+00	0
C19	6.529525e-03	4.712016e-05	0
C24	0.000000e+00	0.000000e+00	0
C20-21	2.223597e-02	1.187144e-02	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	1.376675e-04	4.297815e-07	0
C20-21	1.131812e-05	7.757569e-07	0
C20-21	1.317636e-02	2.058569e-03	0
C22	1.872979e+00	8.536489e-03	0
C23	7.467448e-03	1.571981e-04	0
C23	0.000000e+00	0.000000e+00	0
C23	1.945400e-02	3.133857e-05	0
C23	5.802364e-08	3.678062e-07	0
C23	3.833713e-06	1.028176e-06	0
C23	0.000000e+00	0.000000e+00	0
C23	4.044881e-06	1.886055e-06	0
C24	1.347937e-01	2.621411e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	3.588590e-03	1.402202e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	1.838353e-02	8.297677e-06	0
C24	0.000000e+00	0.000000e+00	0
C24	1.309700e-02	1.103026e-07	0
C24	0.000000e+00	0.000000e+00	0
C24	3.874357e-05	2.149599e-08	0
C24	0.000000e+00	0.000000e+00	0
C24	1.356932e-03	4.282136e-08	0
C24	0.000000e+00	0.000000e+00	0
C24	0.000000e+00	0.000000e+00	0
C25_33	5.887103e-02	5.228143e-03	0
C25	8.389785e-02	2.521218e-06	0
C26	1.169725e-01	9.212039e-06	0
C27	4.213276e-01	3.047589e-02	0
C27	1.028424e-01	3.944970e-03	0

C28_32	2.253612e-02	3.292994e-06	0
C29	2.872512e+00	1.625298e+00	0
C30	3.236584e-01	7.016371e-01	0
C31	5.473954e-04	5.294539e-04	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
E36	0.000000e+00	0.000000e+00	0
F	1.667191e-05	3.617894e-10	0
F	0.000000e+00	0.000000e+00	0
G45	2.385073e-03	1.015947e-06	0
G47	5.677672e-08	1.317070e-05	0
G46	1.126012e-03	3.710722e-04	0
G47	5.972675e-04	2.796700e-04	0
I	6.145237e-05	6.335639e-09	0
H49	1.644771e-04	7.791247e-09	0
H49	5.420487e-05	3.309680e-06	0
H49	9.358583e-08	3.018177e-05	0
H50	1.541182e-05	7.997123e-06	0
H50	6.252601e-05	5.373167e-07	0
H51	1.007882e-04	3.616165e-05	0
H52	3.153123e-05	1.157844e-09	0
H53	1.685491e-04	1.133056e-08	0
K64	1.115792e-04	4.647523e-06	0
K65	3.829171e-10	0.000000e+00	0
K66	8.818387e-08	8.590892e-08	0
L68	2.102885e-08	1.011856e-09	0
M_N	3.536493e-09	3.708650e-10	0
J62_63	1.361830e-04	1.025774e-08	0
M_N	7.986960e-06	3.238806e-09	0
M_N	7.711911e-04	7.474887e-08	0
O84	1.918673e-11	0.000000e+00	0
P85	6.886295e-10	4.121754e-11	0

ZA	M_N	1.674003e-09	4.709851e-10	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	1.064642e-07	1.306738e-07	0
	E37-39	1.556475e-07	2.099903e-07	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	R_S	8.591287e-06	1.412529e-09	0
	R_S	3.010919e-08	2.922993e-10	0
	R_S	6.891767e-05	9.751284e-10	0
	T	7.207845e-06	6.967966e-06	0
	U	0.000000e+00	0.000000e+00	0
	A01	1.119214e-07	2.428755e-12	0
	A01	6.039206e-07	1.310540e-11	0
	A01	7.702472e-02	5.393089e-03	0
	A01	3.139484e+00	6.910595e-02	0
	A01	5.328504e-03	1.217577e-04	0
	A01	4.314900e-07	9.363565e-12	0
	A01	1.344399e-08	2.917417e-13	0
	A01	4.486033e-01	1.262127e-03	0
	A01	1.165623e-02	3.472289e-09	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A01	2.798370e-01	2.004212e-03	0
	A01	2.415186e-05	1.492992e-09	0
	A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0	
A01	0.000000e+00	0.000000e+00	0	
A01	0.000000e+00	0.000000e+00	0	
A02	2.069229e-06	4.148113e-07	0	
A03	1.849518e-08	5.349826e-09	0	
B_nongas	5.702221e+00	1.653970e+00	0	
B_nongas	0.000000e+00	0.000000e+00	0	
B_gas	9.946408e-03	4.012041e-09	0	

B_gas	9.846055e-05	1.380835e-08	0
B_nongas	4.318076e-08	8.534311e-12	0
B_nongas	1.978548e+00	2.582455e-10	0
B_nongas	1.916776e-06	2.623420e-10	0
B_nongas	3.494481e-08	6.386755e-12	0
B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	8.975619e-02	4.208215e-02	0
B_nongas	3.196998e-08	5.712987e-12	0
B_nongas	1.107044e+00	3.559736e-01	0
B_nongas	5.041461e-03	8.015003e-09	0
B_nongas	2.035201e-02	3.438728e-08	0
B_nongas	3.361587e+00	1.568742e+00	0
C10-12	4.053227e-02	9.964980e-04	0
C10-12	3.236935e-04	4.110200e-05	0
C10-12	1.316689e-02	5.973596e-04	0
C10-12	2.467286e-02	5.339425e-05	0
C10-12	4.496693e-02	1.033783e-03	0
C10-12	8.143580e-03	1.126223e-04	0
C10-12	4.242806e-04	3.200778e-07	0
C10-12	8.954028e-03	1.239572e-03	0
C10-12	3.304137e-01	3.607810e-02	0
C10-12	2.987760e-01	1.462316e-02	0
C10-12	6.859814e-03	3.635183e-07	0
C10-12	8.117713e-02	1.055990e-03	0
C13-15	6.772554e-02	9.384823e-03	0
C13-15	1.227873e-02	4.838898e-04	0
C13-15	1.280721e-02	1.253816e-04	0
C16	6.610574e-03	2.901547e-04	0
C16	0.000000e+00	0.000000e+00	0
C17	3.969218e-02	2.270455e-02	0
C17	0.000000e+00	0.000000e+00	0
C17	8.379067e-02	2.393766e-05	0
C18	5.183887e-02	1.003417e-03	0
C19	7.412883e-03	3.030209e-04	0
C19	3.810678e-02	6.422403e-03	0
C24	3.642633e-03	2.056046e-05	0
C20-21	2.847341e-02	1.097965e-02	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	3.234352e-04	9.459211e-06	0
C20-21	3.074015e-03	1.248775e-04	0
C20-21	1.293055e-02	1.287797e-03	0
C22	1.971302e-01	2.030106e-03	0
C23	3.211358e-03	4.237075e-05	0
C23	0.000000e+00	0.000000e+00	0
C23	2.013855e-03	6.114793e-06	0
C23	2.577370e-07	8.424250e-08	0
C23	3.512852e-06	3.009396e-07	0
C23	0.000000e+00	0.000000e+00	0

C23	1.021235e-02	1.987011e-04	0
C24	1.333153e-01	1.407668e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	1.892078e+00	8.010148e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	4.350081e-03	4.826859e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	5.942765e-02	1.337322e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	6.751058e-02	6.386953e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	5.957785e-04	3.150060e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	1.057256e-03	1.641755e-04	0
C25_33	8.550691e-02	1.328622e-02	0
C25	8.024788e-02	5.541559e-03	0
C26	3.338408e-02	2.692156e-05	0
C27	1.214708e-01	8.329236e-03	0
C27	7.533027e-02	2.813393e-03	0
C28_32	3.772598e-02	2.685746e-05	0
C29	3.900462e-01	2.131475e-01	0
C30	1.010387e-02	1.816721e-02	0
C31	1.692934e-02	4.088281e-03	0
E37-39	2.104107e-02	8.049595e-05	0
E37-39	0.000000e+00	0.000000e+00	0
D35	1.441364e-10	7.006224e-12	0
D35	0.000000e+00	0.000000e+00	0
D35	5.514270e-12	2.680392e-13	0
D35	4.240486e-13	2.061228e-14	0
D35	1.392502e-14	0.000000e+00	0
D35	5.824031e-13	2.830962e-14	0
D35	9.291340e-12	4.471977e-13	0
D35	1.141413e-14	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	1.848995e-11	8.987646e-13	0
D35	4.727341e-11	2.297879e-12	0
D35	4.589204e-11	2.230733e-12	0
D35	2.659132e-12	2.523618e-13	0
E36	2.332283e-11	2.213426e-12	0
F	1.950322e-03	4.242128e-08	0
F	0.000000e+00	0.000000e+00	0
G45	6.661761e-03	2.943536e-06	0
G47	6.536427e-07	2.919653e-05	0
G46	4.825075e-03	1.137374e-03	0
G47	2.061251e-03	8.468291e-04	0

	I	9.004907e-05	1.050304e-08	0
	H49	8.793233e-03	4.848123e-03	0
	H49	2.026698e-02	1.142644e-02	0
	H49	3.610952e-03	2.088619e-03	0
	H50	1.652431e-05	8.574392e-06	0
	H50	3.513787e-05	3.019570e-07	0
	H51	8.014178e-04	1.482578e-03	0
	H52	1.228111e-04	5.986888e-06	0
	H53	8.884027e-03	5.972432e-07	0
	K64	1.599928e-04	6.664200e-06	0
	K65	2.391216e-08	1.122317e-09	0
	K66	7.362084e-07	7.172158e-07	0
	L68	7.592177e-04	9.477666e-08	0
	M_N	1.288478e-04	1.165482e-08	0
	J62_63	1.933153e-02	1.459303e-06	0
	M_N	1.046072e-03	4.093142e-07	0
	M_N	3.755512e-03	3.884693e-07	0
	O84	2.256783e-11	0.000000e+00	0
	P85	4.144167e-07	3.935146e-09	0
	M_N	7.884668e-07	7.102896e-09	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	R_S	7.516417e-06	1.239417e-09	0
	R_S	4.077137e-08	4.059880e-10	0
	R_S	4.893354e-05	6.985704e-10	0
	T	1.313769e-02	2.753636e-03	0
	U	0.000000e+00	0.000000e+00	0
WA	A01	1.476192e+00	8.149053e-02	0
	A01	2.988772e+00	2.371300e-01	0
	A01	8.590117e+00	6.044643e-01	0

A01	2.474853e+01	5.978647e-01	0
A01	4.474317e+00	1.492282e-01	0
A01	2.793927e-01	5.632232e-02	0
A01	1.262326e-01	8.165793e-03	0
A01	1.316979e+01	9.045779e-02	0
A01	5.189280e+00	7.865902e-03	0
A01	7.079197e-01	5.126597e-02	0
A01	3.265308e-01	1.995406e-02	0
A01	1.545651e+00	1.720916e-02	0
A01	2.109192e-01	6.322882e-03	0
A01	6.982363e-01	1.227474e-02	0
A01	1.649472e-02	1.405334e-04	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A02	1.726323e-01	2.734208e-02	0
A03	4.439146e-01	1.010368e-02	0
B_nongas	4.641289e-02	1.372323e-02	0
B_nongas	2.985124e-01	7.577799e-02	0
B_gas	7.663707e-01	1.817387e-01	0
B_gas	3.897888e-03	1.618686e-03	0
B_nongas	2.007074e-04	5.054225e-06	0
B_nongas	3.333910e-04	1.421120e-06	0
B_nongas	1.555919e-01	1.288982e-02	0
B_nongas	3.523895e-02	1.344217e-02	0
B_nongas	3.005868e-02	1.266088e-02	0
B_nongas	7.221237e-02	1.592926e-02	0
B_nongas	4.959646e-02	1.187820e-02	0
B_nongas	5.389828e-01	1.461216e-01	0
B_nongas	3.926427e-01	1.446701e-03	0
B_nongas	3.912150e-01	4.341433e-02	0
B_nongas	5.381614e-04	1.668701e-04	0
C10-12	1.087112e-01	3.106767e-03	0
C10-12	3.070289e-02	3.436330e-03	0
C10-12	8.691693e-02	1.155555e-03	0
C10-12	5.013617e-01	1.059464e-02	0
C10-12	2.199264e-01	3.376229e-03	0
C10-12	4.077407e+00	1.196646e-02	0
C10-12	4.721605e-01	2.654487e-03	0
C10-12	1.485180e-01	9.085305e-03	0
C10-12	3.541691e+00	4.052991e-01	0
C10-12	6.556154e-01	5.429042e-02	0
C10-12	1.946520e+00	1.644115e-02	0
C10-12	2.226195e+00	2.767404e-02	0
C13-15	7.274447e+00	1.076292e+00	0
C13-15	1.154201e-01	2.215255e-05	0
C13-15	1.867352e-01	3.671990e-03	0
C16	9.502094e-01	9.132869e-03	0
C16	0.000000e+00	0.000000e+00	0

C17	1.242019e-01	5.228947e-02	0
C17	0.000000e+00	0.000000e+00	0
C17	2.885130e+00	1.656947e-02	0
C18	2.204148e+00	5.470430e-03	0
C19	1.527636e-02	5.025444e-03	0
C19	3.669172e+00	6.588770e-01	0
C24	5.630437e-02	1.681347e-02	0
C20-21	1.411778e-03	2.158937e-04	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	1.703771e-02	4.657024e-03	0
C20-21	2.478779e-03	1.154812e-04	0
C20-21	5.555346e-02	2.231189e-03	0
C22	1.859381e+01	1.279798e-01	0
C23	1.466911e-01	1.733042e-02	0
C23	0.000000e+00	0.000000e+00	0
C23	2.874910e-01	1.404111e-02	0
C23	7.578551e-02	2.622493e-02	0
C23	4.861903e-02	1.583294e-02	0
C23	0.000000e+00	0.000000e+00	0
C23	7.564089e-02	2.182558e-02	0
C24	2.201662e+00	4.271253e-01	0
C24	0.000000e+00	0.000000e+00	0
C24	5.583892e+00	3.302571e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	4.369525e-01	1.253998e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	1.126316e+00	9.755498e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	5.679496e-01	1.543985e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	3.366820e-01	1.412321e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	7.655636e-02	1.867836e-02	0
C25_33	2.496685e+00	2.591644e-01	0
C25	3.024247e+00	1.325150e-01	0
C26	2.957638e+00	2.891681e-03	0
C27	5.029379e+00	4.065431e-01	0
C27	5.725164e+00	2.657284e-01	0
C28_32	3.345284e-01	1.186743e-02	0
C29	1.648336e+01	9.265841e+00	0
C30	2.899142e+00	6.050016e+00	0
C31	2.123716e-01	3.459474e-02	0
E37-39	9.347928e-02	1.488494e-02	0
E37-39	0.000000e+00	0.000000e+00	0
D35	3.961748e-02	1.303704e-02	0
D35	5.916578e-02	1.519189e-02	0
D35	1.875498e-02	6.896530e-03	0
D35	3.213337e-02	1.042672e-02	0

D35	5.851806e-03	6.386581e-04	0
D35	2.186919e-02	7.070930e-03	0
D35	6.785200e-03	1.640253e-03	0
D35	9.409066e-04	4.843953e-05	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	1.537182e-03	5.506179e-04	0
D35	5.226634e-03	1.482767e-03	0
D35	3.379445e-02	1.159263e-02	0
D35	4.020640e-02	1.188627e-02	0
D35	4.826836e-02	1.466730e-02	0
D35	2.884815e-02	9.225366e-03	0
E36	3.326773e-02	1.070888e-02	0
F	6.900133e-01	2.872848e-02	0
F	0.000000e+00	0.000000e+00	0
G45	1.705827e+00	1.306761e-01	0
G47	1.004882e-01	1.831698e-02	0
G46	3.999160e+00	5.767802e-01	0
G47	1.347709e+00	2.449979e-01	0
I	2.081618e+00	4.164466e-02	0
H49	2.044578e+00	4.678247e-02	0
H49	3.018013e+00	2.517099e-01	0
H49	6.482197e-02	7.909076e-02	0
H50	1.523531e-01	8.331960e-02	0
H50	5.421988e-02	2.880886e-03	0
H51	1.181378e+00	4.893586e-01	0
H52	1.706364e+00	6.814782e-02	0
H53	1.111777e+00	1.096647e-03	0
K64	3.794340e+00	1.581915e-01	0
K65	5.150003e-03	3.153347e-04	0
K66	6.581395e-02	3.263460e-03	0
L68	2.971044e-02	4.733662e-03	0
M_N	4.151719e-02	2.551231e-03	0
J62_63	1.984389e+00	1.301985e-03	0
M_N	1.368395e-01	5.660921e-03	0
M_N	3.022085e-01	1.597030e-02	0
O84	1.120647e-01	1.573610e-02	0
P85	8.613293e-02	1.769084e-02	0
M_N	7.866015e-02	1.518797e-02	0
E37-39	4.464575e-05	4.698057e-07	0
E37-39	4.204417e-05	4.875740e-07	0
E37-39	1.564314e-05	0.000000e+00	0
E37-39	3.705438e-05	9.760744e-07	0
E37-39	2.327216e-05	2.179544e-07	0
E37-39	2.853805e-05	3.591251e-07	0
E37-39	5.674992e-05	1.018258e-06	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0

	E37-39	2.231441e-05	0.000000e+00	0
	E37-39	4.816028e-05	5.162217e-07	0
	E37-39	4.605974e-05	4.733470e-07	0
	E37-39	5.551832e-05	6.814302e-05	0
	E37-39	6.184631e-05	8.343935e-05	0
	E37-39	5.157947e-02	1.442845e-02	0
	E37-39	5.057837e-02	1.475569e-02	0
	E37-39	4.239245e-02	2.164630e-03	0
	E37-39	3.653268e-02	4.133431e-03	0
	E37-39	2.134879e-02	4.854895e-03	0
	E37-39	2.559996e-02	5.576478e-03	0
	R_S	7.171658e-02	8.782501e-04	0
	R_S	5.271907e-02	4.949102e-03	0
	R_S	7.540068e-01	2.648911e-03	0
	T	1.261323e+00	1.041523e+00	0
	U	0.000000e+00	0.000000e+00	0
WL	A01	1.066045e-02	3.013386e-05	0
	A01	7.663902e-02	1.359483e-03	0
	A01	2.087703e+01	1.445242e+00	0
	A01	4.643875e+00	1.021727e-01	0
	A01	2.821621e+00	6.394728e-02	0
	A01	1.955702e-02	5.551162e-04	0
	A01	1.100937e-02	9.536857e-05	0
	A01	8.306111e+00	2.491338e-02	0
	A01	1.034809e+01	1.688477e-02	0
	A01	5.799947e-02	1.435437e-03	0
	A01	8.817313e-02	3.215724e-03	0
	A01	2.156327e-01	1.743403e-03	0
	A01	1.275685e-02	2.107940e-04	0
	A01	2.826327e-01	4.052746e-03	0
	A01	2.122830e-03	2.044527e-05	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	1.138997e-02	3.444137e-04	0
	A03	1.981997e-02	6.164548e-04	0
	B_nongas	3.943328e+00	1.135953e+00	0
	B_nongas	8.016244e-02	2.905333e-03	0
	B_gas	4.784767e+00	3.243056e-03	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_nongas	0.000000e+00	0.000000e+00	0
	B_nongas	1.117581e+00	1.651152e-04	0
	B_nongas	3.241657e-01	2.595873e-03	0
	B_nongas	3.479061e-03	1.851525e-05	0
	B_nongas	2.830905e-03	6.908240e-05	0
	B_nongas	5.617964e-02	6.486700e-04	0
	B_nongas	3.480460e-02	2.011797e-04	0
	B_nongas	2.893940e-03	1.606492e-05	0
	B_nongas	4.815735e-02	3.390929e-04	0

B_nongas	4.263695e-02	6.112580e-04	0
B_nongas	2.747303e-02	1.080932e-02	0
C10-12	1.805412e-01	1.469559e-03	0
C10-12	1.029460e-02	9.860606e-04	0
C10-12	1.189143e-01	3.657686e-04	0
C10-12	5.664524e-02	1.940986e-03	0
C10-12	1.783288e+00	4.751450e-03	0
C10-12	8.882799e-01	8.354891e-04	0
C10-12	2.247439e-01	3.309499e-04	0
C10-12	5.038876e-02	1.211156e-03	0
C10-12	6.261419e-01	6.418436e-02	0
C10-12	7.953156e-02	6.658061e-03	0
C10-12	2.938930e-01	3.981323e-05	0
C10-12	6.030756e-02	7.765615e-04	0
C13-15	2.186368e-01	2.583676e-02	0
C13-15	1.008913e-01	5.150352e-04	0
C13-15	4.582612e-02	2.153324e-04	0
C16	4.453705e-01	8.516962e-04	0
C16	0.000000e+00	0.000000e+00	0
C17	1.263110e-01	3.776310e-02	0
C17	0.000000e+00	0.000000e+00	0
C17	2.290993e-01	2.166950e-03	0
C18	5.141944e-02	1.150284e-03	0
C19	1.740127e-02	2.425097e-04	0
C19	5.187474e-01	6.010945e-02	0
C24	1.165843e-03	1.918793e-05	0
C20-21	3.272082e-02	2.824496e-03	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	9.131988e-03	1.487967e-04	0
C20-21	3.204389e-02	3.081472e-04	0
C20-21	2.328974e-03	6.740724e-05	0
C22	2.932587e-01	2.592177e-03	0
C23	4.617003e-02	3.329857e-04	0
C23	0.000000e+00	0.000000e+00	0
C23	4.306892e-02	2.563648e-04	0
C23	3.303164e-02	2.164937e-04	0
C23	4.646392e-02	3.863340e-04	0
C23	0.000000e+00	0.000000e+00	0
C23	4.328861e-02	2.821629e-04	0
C24	4.313960e-01	7.332713e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	1.199216e+01	4.697300e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	4.713641e-02	3.440153e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	2.258716e-02	1.184960e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	9.264803e-02	5.177839e-05	0

C24	0.000000e+00	0.000000e+00	0
C24	2.703683e-03	9.093223e-05	0
C24	0.000000e+00	0.000000e+00	0
C24	1.722489e-02	2.770308e-04	0
C25_33	3.141328e-01	5.544907e-03	0
C25	1.605265e-01	1.851862e-03	0
C26	5.674661e-02	6.997603e-04	0
C27	3.321209e-01	1.879240e-02	0
C27	7.879607e-02	2.149700e-03	0
C28_32	2.278614e-01	1.334234e-03	0
C29	1.233278e-01	2.691251e-02	0
C30	4.969683e-01	9.084841e-01	0
C31	6.841655e-02	9.385542e-04	0
E37-39	6.455300e-02	5.254450e-04	0
E37-39	0.000000e+00	0.000000e+00	0
D35	8.777804e-04	8.997633e-05	0
D35	8.349573e-03	2.118171e-04	0
D35	3.399084e-04	5.652429e-05	0
D35	1.394783e-02	1.477325e-04	0
D35	8.516818e-05	1.431221e-05	0
D35	2.429951e-03	1.257791e-04	0
D35	1.785715e-04	5.644772e-05	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	2.162465e-05	2.018109e-06	0
D35	1.171864e-04	9.231632e-06	0
D35	5.354869e-03	1.342109e-04	0
D35	1.279556e-02	1.671835e-04	0
D35	2.503388e-03	1.103006e-04	0
D35	0.000000e+00	0.000000e+00	0
E36	3.173396e-03	2.488009e-05	0
F	9.871219e-02	7.962482e-04	0
F	0.000000e+00	0.000000e+00	0
G45	1.320743e-01	6.243697e-04	0
G47	7.436078e-02	5.914786e-04	0
G46	2.547580e-01	1.298628e-02	0
G47	1.350194e-01	9.917583e-03	0
I	1.040688e-02	2.979716e-04	0
H49	1.503266e-02	1.969315e-04	0
H49	4.315129e-02	4.333098e-04	0
H49	8.025455e-03	2.612015e-04	0
H50	1.103480e-04	2.406268e-05	0
H50	1.615866e-04	1.553343e-06	0
H51	6.893345e-02	1.794726e-03	0
H52	6.701032e-03	3.057711e-05	0
H53	2.442551e-02	3.896934e-05	0
K64	4.506357e-04	1.210040e-05	0

	K65	4.485897e-05	1.004504e-08	0
	K66	1.261084e-03	6.291201e-06	0
	L68	3.989272e-03	3.865757e-05	0
	M_N	2.130541e-03	7.217715e-06	0
	J62_63	5.738810e-02	1.719146e-04	0
	M_N	6.636768e-02	3.160086e-04	0
	M_N	6.791441e-02	3.897251e-04	0
	O84	6.308585e-02	5.948584e-04	0
	P85	3.656936e-03	5.628460e-05	0
	M_N	5.974480e-03	2.380719e-04	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	3.007494e-07	7.922243e-09	0
	E37-39	2.830407e-07	2.650806e-09	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	6.150357e-07	1.103552e-08	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	0.000000e+00	0.000000e+00	0
	E37-39	1.802001e-07	0.000000e+00	0
	E37-39	3.443120e-07	3.690621e-09	0
	E37-39	7.746908e-07	7.961346e-09	0
	E37-39	1.678230e-07	2.059854e-07	0
	E37-39	2.242305e-07	3.025184e-07	0
	E37-39	7.044587e-03	1.620419e-04	0
	E37-39	4.922819e-03	1.529040e-04	0
	E37-39	3.009683e-03	1.582655e-04	0
	E37-39	3.991737e-02	2.728875e-04	0
	E37-39	1.430832e-03	1.785145e-04	0
	E37-39	2.788351e-03	1.781640e-04	0
	R_S	1.599237e-02	2.848909e-04	0
	R_S	5.290265e-03	6.050425e-05	0
	R_S	1.235158e-03	6.466016e-06	0
	T	4.316869e-03	6.149154e-05	0
	U	0.000000e+00	0.000000e+00	0
WE	A01	2.221929e-03	1.124184e-05	0
	A01	6.771511e+00	6.485840e-01	0
	A01	1.104270e+01	7.726723e-01	0
	A01	7.392205e-01	1.682802e-02	0
	A01	6.218190e+00	1.420785e-01	0
	A01	2.889566e-03	6.980646e-05	0
	A01	2.754780e-03	1.477229e-05	0
	A01	2.573787e-01	1.517663e-03	0
	A01	5.432763e+00	7.765772e-03	0
	A01	7.323211e-02	2.025023e-03	0
	A01	6.806454e-02	2.946098e-03	0
	A01	5.148679e-01	3.741963e-03	0
	A01	3.164743e-02	7.326948e-05	0

A01	4.656209e-01	4.857555e-03	0
A01	3.193518e-03	1.404871e-04	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A02	3.900662e-03	1.706517e-06	0
A03	4.967684e-04	8.257357e-06	0
B_nongas	6.268959e-03	2.519366e-04	0
B_nongas	1.534687e-03	1.596107e-04	0
B_gas	5.217991e-03	7.336491e-04	0
B_gas	0.000000e+00	0.000000e+00	0
B_nongas	2.087989e-03	1.025079e-04	0
B_nongas	1.479579e-02	8.547212e-06	0
B_nongas	8.951575e-03	1.063813e-03	0
B_nongas	3.951379e-04	2.845229e-05	0
B_nongas	1.487561e-03	5.792039e-05	0
B_nongas	4.406528e-03	1.957213e-04	0
B_nongas	2.238686e-03	2.866266e-05	0
B_nongas	3.862633e-03	9.791779e-05	0
B_nongas	2.200260e-02	8.797892e-08	0
B_nongas	4.923655e-01	2.577799e-04	0
B_nongas	8.828487e-03	2.698368e-03	0
C10-12	1.171758e-02	4.784055e-04	0
C10-12	4.337867e-03	1.283140e-04	0
C10-12	3.693715e-01	2.205773e-04	0
C10-12	3.221009e-02	2.641068e-03	0
C10-12	2.550072e-01	1.351741e-03	0
C10-12	6.176190e-01	1.138116e-03	0
C10-12	3.001922e-03	1.163676e-04	0
C10-12	1.992487e-02	6.823962e-04	0
C10-12	5.146646e-01	5.732441e-02	0
C10-12	9.727460e-02	8.005309e-03	0
C10-12	3.054616e-02	1.342544e-04	0
C10-12	3.962497e-01	4.839154e-03	0
C13-15	1.481658e-01	2.144266e-02	0
C13-15	6.117527e-02	5.689840e-05	0
C13-15	6.093468e-03	8.289906e-05	0
C16	2.316245e-01	2.259573e-04	0
C16	0.000000e+00	0.000000e+00	0
C17	8.052469e-03	3.381728e-04	0
C17	0.000000e+00	0.000000e+00	0
C17	6.675197e-01	6.517899e-05	0
C18	9.257869e-02	1.403868e-03	0
C19	4.380567e-03	2.960888e-04	0
C19	2.452824e-01	4.265870e-02	0
C24	5.759996e-03	1.009417e-04	0
C20-21	2.935314e-02	7.850998e-03	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	4.051165e-03	1.524386e-04	0

C20-21	3.389310e-03	2.673289e-04	0
C20-21	4.074038e-02	2.198841e-03	0
C22	7.160779e-01	4.104295e-03	0
C23	5.380920e-03	1.588243e-04	0
C23	0.000000e+00	0.000000e+00	0
C23	1.230350e-02	1.358526e-04	0
C23	3.223002e-03	1.190837e-04	0
C23	8.195359e-03	1.917722e-04	0
C23	0.000000e+00	0.000000e+00	0
C23	3.676414e-03	1.414724e-04	0
C24	1.399575e+00	2.718654e-01	0
C24	0.000000e+00	0.000000e+00	0
C24	4.076752e-03	2.448971e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	4.646089e-03	3.818543e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	1.032418e-01	1.781118e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	3.491430e-02	6.013548e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	1.274598e-02	2.423883e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	4.244033e-03	3.134993e-04	0
C25_33	1.500038e-01	1.989358e-02	0
C25	1.845276e-01	4.608858e-03	0
C26	7.369086e-03	1.854700e-04	0
C27	1.822304e-01	1.333522e-02	0
C27	5.505174e-02	4.093675e-03	0
C28_32	1.106236e-01	6.601579e-04	0
C29	2.066607e-01	1.069675e-01	0
C30	1.208986e-01	2.469210e-01	0
C31	1.133805e-02	2.385120e-03	0
E37-39	7.025486e-03	8.589419e-04	0
E37-39	0.000000e+00	0.000000e+00	0
D35	4.526109e-03	1.677371e-04	0
D35	6.392025e-03	2.932003e-04	0
D35	2.616786e-03	3.480455e-05	0
D35	2.220150e-03	1.357109e-04	0
D35	6.718128e-04	4.467050e-05	0
D35	1.481398e-03	2.276683e-05	0
D35	7.482563e-04	5.001138e-05	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	3.819268e-04	6.453434e-06	0
D35	1.699711e-03	2.145709e-05	0
D35	3.610689e-03	2.055452e-04	0
D35	5.051075e-03	2.079217e-04	0

D35	6.042795e-03	1.251928e-04	0
D35	6.529636e-03	2.958678e-04	0
E36	2.763243e-03	2.254576e-04	0
F	7.253465e-02	6.501455e-04	0
F	0.000000e+00	0.000000e+00	0
G45	1.022759e-01	4.854813e-04	0
G47	4.257850e-03	5.787255e-04	0
G46	8.903397e-02	2.187586e-02	0
G47	8.386840e-02	1.904112e-02	0
I	3.675283e-01	1.480197e-03	0
H49	1.436391e-01	2.339009e-04	0
H49	1.041418e-01	6.254844e-03	0
H49	2.573295e-03	2.328914e-03	0
H50	1.982425e-02	8.886284e-03	0
H50	4.720757e-03	4.223499e-05	0
H51	6.187056e-01	2.219140e-01	0
H52	6.836136e-02	4.094318e-03	0
H53	1.300262e-01	6.249235e-05	0
K64	1.771157e-01	7.344154e-03	0
K65	3.655223e-04	1.908159e-06	0
K66	3.644758e-03	1.661584e-04	0
L68	7.627157e-04	1.262612e-05	0
M_N	6.677779e-04	7.435014e-05	0
J62_63	2.005698e-01	5.095723e-05	0
M_N	1.141152e-02	1.538095e-04	0
M_N	1.953107e-02	1.202811e-04	0
O84	4.650992e-03	1.511113e-03	0
P85	3.467587e-03	4.548724e-04	0
M_N	3.467969e-03	1.608195e-03	0
E37-39	1.610470e-06	1.694692e-08	0
E37-39	1.292970e-06	1.499419e-08	0
E37-39	6.998797e-07	0.000000e+00	0
E37-39	7.547341e-07	1.988096e-08	0
E37-39	9.484323e-07	8.882502e-09	0
E37-39	1.312359e-06	1.651483e-08	0
E37-39	1.897760e-06	3.405129e-08	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	7.592091e-07	0.000000e+00	0
E37-39	1.139246e-06	1.221138e-08	0
E37-39	1.720305e-06	1.767924e-08	0
E37-39	1.776159e-06	2.180051e-06	0
E37-39	2.331436e-06	3.145434e-06	0
E37-39	3.284672e-03	1.297686e-04	0
E37-39	3.458675e-03	1.331581e-04	0
E37-39	4.088248e-03	5.457537e-05	0
E37-39	3.285398e-03	1.265245e-04	0
E37-39	2.667037e-03	4.480706e-05	0

	E37-39	2.636397e-03	2.931835e-05	0
	R_S	4.232335e-03	1.796175e-04	0
	R_S	2.469618e-03	6.268515e-04	0
	R_S	2.180747e-02	2.763785e-06	0
	T	7.353804e-02	7.032705e-02	0
	U	0.000000e+00	0.000000e+00	0
WF	A01	6.529173e-01	9.826075e-03	0
	A01	8.991214e-01	1.706698e-02	0
	A01	1.044906e+00	2.087091e-02	0
	A01	5.363106e+00	1.278404e-01	0
	A01	1.401968e+01	3.283101e-01	0
	A01	1.079947e-01	7.951319e-03	0
	A01	6.690499e-02	2.480446e-03	0
	A01	1.919757e+01	7.210083e-02	0
	A01	4.241213e+01	2.306426e-01	0
	A01	1.631865e+01	2.925923e-01	0
	A01	8.066525e+00	1.411779e-01	0
	A01	8.806002e+01	6.337417e-01	0
	A01	1.062802e-01	1.718264e-03	0
	A01	2.704645e+01	2.045631e-01	0
	A01	3.203065e-03	5.349580e-05	0
	A01	0.000000e+00	0.000000e+00	0
	A01	0.000000e+00	0.000000e+00	0
	A02	4.377063e-02	7.469011e-04	0
	A03	1.365882e-01	6.726509e-03	0
	B_nongas	1.408460e-01	4.085002e-02	0
	B_nongas	7.620930e-01	2.008064e-01	0
	B_gas	4.016449e+01	1.438514e-01	0
	B_gas	0.000000e+00	0.000000e+00	0
	B_nongas	4.762788e-03	8.268240e-04	0
	B_nongas	3.634045e-02	1.712743e-03	0
	B_nongas	5.947706e-01	6.400735e-03	0
	B_nongas	3.504540e-03	8.796822e-05	0
	B_nongas	1.191434e-03	1.503474e-04	0
	B_nongas	1.608333e-01	1.075049e-02	0
	B_nongas	5.162211e-02	7.587721e-04	0
	B_nongas	3.658163e-01	8.964188e-02	0
	B_nongas	2.064170e-01	2.434006e-03	0
	B_nongas	1.204689e-01	1.391425e-02	0
	B_nongas	8.453376e+00	3.964852e+00	0
	C10-12	5.152496e-02	1.187793e-03	0
	C10-12	1.019489e-02	1.186643e-03	0
	C10-12	1.493182e-02	2.611457e-04	0
	C10-12	4.196926e-01	2.809326e-03	0
	C10-12	9.982123e-02	1.168936e-03	0
	C10-12	1.029913e+00	8.283696e-04	0
	C10-12	7.697623e-03	4.584797e-04	0
	C10-12	3.406907e-01	5.122851e-03	0

C10-12	9.295914e-01	9.365268e-02	0
C10-12	8.018004e-02	9.584391e-03	0
C10-12	5.515180e-02	7.452253e-05	0
C10-12	3.385467e-01	4.070050e-03	0
C13-15	7.016496e-01	9.858686e-02	0
C13-15	1.749836e-01	5.469354e-04	0
C13-15	7.416184e-02	1.575050e-04	0
C16	2.657554e-01	5.986294e-04	0
C16	0.000000e+00	0.000000e+00	0
C17	5.772447e-02	9.649201e-03	0
C17	0.000000e+00	0.000000e+00	0
C17	8.961292e-01	4.130782e-04	0
C18	7.294356e-02	1.859912e-04	0
C19	2.397061e-02	4.747984e-04	0
C19	5.779964e-01	7.889533e-02	0
C24	1.621785e-04	2.228110e-06	0
C20-21	7.213668e-02	1.965878e-02	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	9.641259e-03	1.727257e-04	0
C20-21	2.395017e-02	1.475865e-04	0
C20-21	5.014732e-03	2.023143e-04	0
C22	2.940496e-01	8.273047e-03	0
C23	4.174758e-02	7.436253e-04	0
C23	0.000000e+00	0.000000e+00	0
C23	6.234796e-02	3.740187e-04	0
C23	1.737289e-02	2.218525e-04	0
C23	3.190865e-02	6.212591e-04	0
C23	0.000000e+00	0.000000e+00	0
C23	3.024721e-02	7.488974e-04	0
C24	2.118639e-01	3.169644e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	8.653673e+00	3.478390e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	3.458278e-02	5.963756e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	5.153898e-01	3.095127e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	6.782909e-01	1.146736e-03	0
C24	0.000000e+00	0.000000e+00	0
C24	8.557137e-02	8.772531e-04	0
C24	0.000000e+00	0.000000e+00	0
C24	3.130302e-02	7.033720e-04	0
C25_33	8.796800e-01	7.100706e-02	0
C25	1.422723e-01	8.575926e-03	0
C26	3.960097e-02	5.220078e-04	0
C27	6.130803e-01	4.210909e-02	0
C27	2.714329e-01	1.119447e-02	0
C28_32	9.036830e-02	1.598089e-03	0

C29	9.618456e-01	5.202897e-01	0
C30	3.308216e-01	6.235858e-01	0
C31	3.810618e-02	2.848695e-03	0
E37-39	4.695798e-02	6.699165e-04	0
E37-39	0.000000e+00	0.000000e+00	0
D35	4.614084e-03	4.634865e-04	0
D35	1.004542e-02	4.709100e-04	0
D35	0.000000e+00	0.000000e+00	0
D35	4.831791e-03	4.565928e-05	0
D35	2.124592e-02	7.240578e-05	0
D35	2.233310e-03	2.508331e-04	0
D35	1.359089e-02	1.847584e-04	0
D35	7.000493e-05	3.454606e-06	0
D35	0.000000e+00	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	2.340748e-04	7.967887e-05	0
D35	0.000000e+00	0.000000e+00	0
D35	4.553601e-03	3.838415e-04	0
D35	9.164745e-03	7.693709e-05	0
D35	2.611276e-03	4.217525e-04	0
D35	0.000000e+00	0.000000e+00	0
E36	5.538769e-03	3.691552e-05	0
F	3.980987e-01	3.863388e-03	0
F	0.000000e+00	0.000000e+00	0
G45	2.018269e-01	2.861666e-03	0
G47	4.283267e-02	7.132648e-04	0
G46	5.863689e-01	3.605381e-02	0
G47	2.185072e-01	2.178167e-02	0
I	5.680468e-03	1.747174e-04	0
H49	3.195103e-02	1.837487e-03	0
H49	7.237688e-02	3.602690e-03	0
H49	1.438267e-02	7.909470e-04	0
H50	9.395216e-04	4.798385e-04	0
H50	7.636634e-04	1.936157e-04	0
H51	8.423798e-02	1.085760e-02	0
H52	7.147934e-03	3.312301e-03	0
H53	2.608313e-01	2.147117e-04	0
K64	4.948562e-04	1.709209e-05	0
K65	2.842898e-05	2.273857e-08	0
K66	8.748420e-05	1.661661e-05	0
L68	2.357997e-04	9.308462e-07	0
M_N	7.224506e-04	2.974161e-06	0
J62_63	1.945799e-02	2.489996e-05	0
M_N	5.414256e-02	2.708901e-04	0
M_N	4.968159e-02	9.521833e-05	0
O84	3.600245e-02	7.650011e-04	0
P85	7.955197e-04	2.410183e-06	0
M_N	1.774692e-04	1.624021e-07	0

E37-39	3.048167e-07	3.207576e-09	0
E37-39	2.691815e-07	3.121620e-09	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	3.719069e-07	9.796651e-09	0
E37-39	3.410322e-07	3.193922e-09	0
E37-39	4.025855e-07	5.066168e-09	0
E37-39	7.641766e-07	1.371154e-08	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	0.000000e+00	0.000000e+00	0
E37-39	2.142009e-07	0.000000e+00	0
E37-39	4.373292e-07	4.687656e-09	0
E37-39	1.101267e-06	1.131751e-08	0
E37-39	2.030348e-07	2.492042e-07	0
E37-39	2.820785e-07	3.805635e-07	0
E37-39	3.957930e-03	4.829282e-05	0
E37-39	1.302474e-02	2.532840e-04	0
E37-39	1.225728e-02	8.627298e-05	0
E37-39	3.527127e-02	3.718650e-04	0
E37-39	7.161501e-03	1.158115e-03	0
E37-39	6.959876e-03	1.853905e-04	0
R_S	4.124549e-03	1.454688e-05	0
R_S	1.370705e-03	4.677978e-06	0
R_S	9.736784e-04	1.088020e-06	0
T	1.325611e-02	1.134059e-04	0
U	0.000000e+00	0.000000e+00	0
WM A01	1.903572e+01	5.880259e+00	0
A01	2.045991e+01	6.447464e+00	0
A01	1.899925e+01	5.945347e+00	0
A01	4.186137e+01	5.203383e+00	0
A01	1.894617e+01	5.544315e+00	0
A01	1.525258e+01	3.474020e+00	0
A01	6.485052e+00	1.555949e-02	0
A01	2.919588e+01	2.951528e+00	0
A01	2.626625e+01	1.141639e+01	0
A01	2.828812e+01	1.154963e+01	0
A01	2.722883e+01	9.290310e+00	0
A01	1.622750e+01	2.509582e+01	0
A01	8.566571e+00	1.462208e-01	0
A01	3.092084e+01	1.380171e+01	0
A01	1.010379e+01	4.728530e-01	0
A01	0.000000e+00	0.000000e+00	0
A01	0.000000e+00	0.000000e+00	0
A02	3.881279e+00	3.405460e-02	0
A03	1.832408e+01	2.693178e+00	0
B_nongas	8.125993e+00	4.023462e-02	0
B_nongas	3.642411e+01	1.723680e+00	0
B_gas	4.728246e+01	5.102663e+00	0
B_gas	5.905186e+00	8.288101e-03	0

B_nongas	0.000000e+00	0.000000e+00	0
B_nongas	1.732459e+01	1.851730e+00	0
B_nongas	4.335483e+01	1.441352e+01	0
B_nongas	1.476431e-02	4.496479e-07	0
B_nongas	1.078328e+01	9.254642e-01	0
B_nongas	4.134472e+01	1.695400e+01	0
B_nongas	2.694137e+01	1.013169e+01	0
B_nongas	3.376067e+01	1.268696e+01	0
B_nongas	3.725562e+01	1.726617e+01	0
B_nongas	3.688299e+01	1.383288e+01	0
B_nongas	4.300226e-03	1.897959e-04	0
C10-12	1.164544e+01	2.349767e-01	0
C10-12	1.141180e+01	2.377419e-01	0
C10-12	1.370230e+01	1.600510e+00	0
C10-12	1.076246e+01	1.274843e+00	0
C10-12	5.899762e+00	1.452327e-01	0
C10-12	1.253028e+02	1.019709e+00	0
C10-12	1.611400e+00	7.759176e-03	0
C10-12	1.073103e+01	6.489664e-01	0
C10-12	7.936417e+01	6.934478e+00	0
C10-12	2.909093e+01	3.284704e+00	0
C10-12	1.659936e+01	9.390534e-01	0
C10-12	9.093783e+00	1.009669e-01	0
C13-15	8.236698e+01	1.430537e+01	0
C13-15	2.014918e+01	8.298836e-01	0
C13-15	1.806807e+01	1.700061e+00	0
C16	6.217005e+01	2.575159e+00	0
C16	0.000000e+00	0.000000e+00	0
C17	1.583733e+00	1.891377e+01	0
C17	0.000000e+00	0.000000e+00	0
C17	1.479200e+02	1.145274e+00	0
C18	2.442722e+02	2.458690e+00	0
C19	2.505854e-01	1.900607e-02	0
C19	1.470013e+02	2.736652e+00	0
C24	1.799998e-01	1.713126e-02	0
C20-21	4.470701e-01	6.655690e-02	0
C20-21	0.000000e+00	0.000000e+00	0
C20-21	1.989073e-01	1.194933e-02	0
C20-21	1.208065e-01	7.885646e-03	0
C20-21	5.159910e+01	5.717694e+00	0
C22	5.944009e+00	1.716760e+01	0
C23	9.595734e+00	2.492353e-01	0
C23	0.000000e+00	0.000000e+00	0
C23	1.194972e+01	1.009535e-01	0
C23	2.224642e+00	2.942797e-02	0
C23	2.125035e+01	1.417013e+00	0
C23	0.000000e+00	0.000000e+00	0
C23	1.125508e+01	4.380499e+00	0

C24	2.632947e+01	3.851115e+00	0
C24	0.000000e+00	0.000000e+00	0
C24	1.160639e+01	7.475140e-01	0
C24	0.000000e+00	0.000000e+00	0
C24	5.264347e+00	9.106633e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	1.045614e+01	1.107755e+00	0
C24	0.000000e+00	0.000000e+00	0
C24	1.086084e+01	1.329646e-01	0
C24	0.000000e+00	0.000000e+00	0
C24	6.682938e+00	5.381272e-02	0
C24	0.000000e+00	0.000000e+00	0
C24	8.453270e+00	1.609100e-01	0
C25_33	1.248055e+02	1.805049e+01	0
C25	1.150848e+02	3.297013e+00	0
C26	2.192546e+01	2.046315e-01	0
C27	8.713143e+01	1.135379e+01	0
C27	8.726718e+01	6.376895e+00	0
C28_32	3.033518e+01	4.061064e-01	0
C29	1.132021e+02	6.959450e+01	0
C30	5.118917e+01	8.740299e+01	0
C31	4.858234e+01	5.031982e-01	0
E37-39	3.217525e+00	1.254441e-01	0
E37-39	0.000000e+00	0.000000e+00	0
D35	1.553273e+01	9.010127e-01	0
D35	1.532335e+02	1.272757e+01	0
D35	3.108227e-02	3.767149e-04	0
D35	1.243604e+01	2.822430e-01	0
D35	4.100608e+00	4.268271e-02	0
D35	6.296060e+01	7.313858e+00	0
D35	2.456800e+00	2.012329e-02	0
D35	9.466949e-01	0.000000e+00	0
D35	0.000000e+00	0.000000e+00	0
D35	6.044307e-02	4.178231e-03	0
D35	7.901326e-01	0.000000e+00	0
D35	6.687806e+00	0.000000e+00	0
D35	2.342490e+01	1.850167e+00	0
D35	1.791916e+02	1.799038e+01	0
D35	3.220535e+01	9.385956e-02	0
D35	1.187910e+01	8.254589e-01	0
E36	1.346989e+02	1.391008e+00	0
F	1.106581e+02	2.415298e+01	0
F	0.000000e+00	0.000000e+00	0
G45	3.293250e+02	1.277355e+02	0
G47	1.085963e+01	2.297202e+00	0
G46	9.529613e+02	2.795233e+02	0
G47	6.199593e+02	1.854616e+02	0
I	1.216527e+03	1.411446e+01	0

H49	8.260037e+01	9.619644e+00	0
H49	6.064580e+02	1.148046e+02	0
H49	1.113492e+01	2.285007e+00	0
H50	5.754310e+01	3.826186e+01	0
H50	1.559175e+01	2.090519e-01	0
H51	5.817029e+01	9.229756e+00	0
H52	2.483100e+02	3.424343e+01	0
H53	5.811371e+02	7.069151e+01	0
K64	3.491475e+02	3.040306e+01	0
K65	8.868171e+01	1.604257e-01	0
K66	6.175676e+01	2.655458e+01	0
L68	6.332759e+02	1.412025e+01	0
M_N	1.951000e+02	6.452157e+00	0
J62_63	1.125266e+02	6.338929e+00	0
M_N	6.352883e+00	8.735331e-02	0
M_N	1.459675e+03	4.887948e+01	0
O84	1.106097e+02	3.915777e+00	0
P85	1.793599e+01	3.850378e-02	0
M_N	1.301607e+01	8.560176e-02	0
E37-39	4.007455e+00	8.203746e-05	0
E37-39	4.389512e+00	1.008818e-04	0
E37-39	4.488643e-01	6.046566e-05	0
E37-39	1.230879e+00	5.866721e-05	0
E37-39	1.176002e+00	1.769585e-05	0
E37-39	1.245550e+00	2.706732e-05	0
E37-39	1.709915e+00	3.880726e-05	0
E37-39	6.680217e-02	2.287927e-05	0
E37-39	1.656949e-01	2.684146e-06	0
E37-39	1.028208e+00	0.000000e+00	0
E37-39	1.613180e+00	3.357917e-05	0
E37-39	9.198063e-04	9.452670e-06	0
E37-39	7.437760e+00	5.185282e+00	0
E37-39	4.947875e+00	2.711716e+00	0
E37-39	2.085927e+01	1.382136e-02	0
E37-39	9.076453e+00	2.057300e-02	0
E37-39	5.267098e+00	2.396645e-02	0
E37-39	9.574287e+00	1.827145e-02	0
E37-39	3.913646e+00	4.141726e-02	0
E37-39	4.593554e+00	3.807613e-02	0
R_S	3.031597e+01	3.806270e+00	0
R_S	2.000774e+02	7.936415e-01	0
R_S	4.074875e+02	1.207542e-01	0
T	1.336379e+01	2.962805e+01	0
U	0.000000e+00	0.000000e+00	0

[7987 rows x 7987 columns]

```
[7]: # Aggregate duplicates of the pymrio object, which were created through
      ↪renaming_dict
      exio3.aggregate_duplicates()
      print(exio3.Z)
```

```
c:\Users\danie\Nextcloud\Coding\Masterthesis\.env\Lib\site-
packages\pymrio\core\mriosystem.py:2177: FutureWarning: The 'axis' keyword in
DataFrame.groupby is deprecated and will be removed in a future version.
    df.groupby(df.index, axis=0, sort=False)
c:\Users\danie\Nextcloud\Coding\Masterthesis\.env\Lib\site-
packages\pymrio\core\mriosystem.py:2179: FutureWarning: DataFrame.groupby with
axis=1 is deprecated. Do `frame.T.groupby(...)` without axis instead.
    .groupby(df.columns, axis=1, sort=False)
c:\Users\danie\Nextcloud\Coding\Masterthesis\.env\Lib\site-
packages\pymrio\core\mriosystem.py:2177: FutureWarning: The 'axis' keyword in
DataFrame.groupby is deprecated and will be removed in a future version.
    df.groupby(df.index, axis=0, sort=False)
c:\Users\danie\Nextcloud\Coding\Masterthesis\.env\Lib\site-
packages\pymrio\core\mriosystem.py:2179: FutureWarning: DataFrame.groupby with
axis=1 is deprecated. Do `frame.T.groupby(...)` without axis instead.
    .groupby(df.columns, axis=1, sort=False)
c:\Users\danie\Nextcloud\Coding\Masterthesis\.env\Lib\site-
packages\pymrio\core\mriosystem.py:2177: FutureWarning: The 'axis' keyword in
DataFrame.groupby is deprecated and will be removed in a future version.
    df.groupby(df.index, axis=0, sort=False)
c:\Users\danie\Nextcloud\Coding\Masterthesis\.env\Lib\site-
packages\pymrio\core\mriosystem.py:2179: FutureWarning: DataFrame.groupby with
axis=1 is deprecated. Do `frame.T.groupby(...)` without axis instead.
    .groupby(df.columns, axis=1, sort=False)
c:\Users\danie\Nextcloud\Coding\Masterthesis\.env\Lib\site-
packages\pymrio\core\mriosystem.py:2174: FutureWarning: The 'axis' keyword in
DataFrame.groupby is deprecated and will be removed in a future version.
    df = df.groupby(df.index, axis=0, sort=False).first()
```

region		AT				\
sector		A01	A02	A03	B_nongas	
region	sector					
AT	A01	3.800401e+02	3.742758e-02	4.271022e-02	3.806809e-01	
	A02	1.731643e-01	1.354626e+03	8.816282e-04	9.598073e-02	
	A03	0.000000e+00	0.000000e+00	2.410300e+00	0.000000e+00	
	B_nongas	7.353993e+00	8.375855e-01	6.150618e-02	3.349498e+02	
	B_gas	6.685539e-01	1.119307e-01	7.055725e-03	7.741119e-01	
	C10-12	3.312763e+02	6.212344e-01	1.968099e+00	1.826830e+00	
	C13-15	3.785196e+00	1.176756e-01	9.274436e-03	3.438371e-01	
	C16	2.307278e+01	9.275860e-01	1.352480e-01	1.196326e+01	
	C17	7.614849e+00	1.874569e+00	6.141926e-02	3.642252e+00	
	C18	1.067602e+00	2.173134e-01	9.380774e-03	1.783625e+00	
	C19	2.848661e+01	8.085439e+00	4.375651e-02	1.256986e+01	

	C24	4.440853e+00	1.362814e+00	2.820054e-02	9.222574e+00
	C20-21	1.904611e+01	1.822264e+00	6.062472e-02	1.061390e+01
	C22	1.487727e+01	6.479931e-01	4.883552e-02	8.773512e+00
	C23	4.098480e+00	9.374064e-01	1.813206e-01	3.282692e+01
	C25_33	1.171357e+01	3.195226e+00	5.935045e-02	4.820434e+00
	C25	1.602312e+01	5.575906e+00	7.924819e-02	8.531049e+00
	C26	7.213149e-02	3.212519e-02	9.344979e-04	2.205390e-02
	C27	1.190198e+02	5.275222e+01	6.046905e-01	3.511282e+01
	C28_32	7.189382e+00	3.186567e+00	3.308553e-02	2.744932e+00
	C29	4.898123e+00	2.131072e+00	5.577377e-02	3.071020e+00
	C30	3.095511e-01	1.697950e-01	4.160677e-03	3.180238e-01
	C31	1.425554e+01	1.306927e+01	9.609398e-02	1.594154e+01
	E37-39	4.254084e+00	8.682051e-01	1.668381e-02	3.181852e+00
	D35	9.298568e+01	1.060833e+01	1.512486e+00	1.318648e+02
	E36	3.584453e+00	3.593845e-01	6.716295e-02	1.212330e+00
	F	7.449964e+01	6.448204e+01	3.863463e+00	1.358654e+02
	G45	4.662911e+01	7.725385e+00	9.534111e-01	1.569791e+01
	G47	4.313755e+01	1.150677e+01	1.259097e+00	2.101373e+01
	G46	1.950897e+02	7.925704e+01	2.277038e+00	6.444468e+01
	I	5.905006e+00	1.135111e+00	1.040972e-01	6.988437e+00
	H49	3.694011e+01	8.359305e+00	1.099038e+00	8.854445e+01
	H50	4.246469e-01	9.892327e-02	1.044340e-02	2.766435e-01
	H51	1.431588e+00	6.830834e-01	4.444395e-02	1.733221e+00
	H52	2.738730e+01	7.397301e+00	6.137618e-01	7.448720e+01
	H53	1.513815e+01	1.440015e+00	1.823370e-01	1.438454e+01
	K64	1.201437e+02	1.226911e+01	5.217511e-01	3.972179e+01
	K65	1.219210e+01	1.816449e+00	1.900787e-01	1.128466e+01
	K66	7.332450e-01	1.878810e-01	1.553180e-02	1.919443e+00
	L68	2.951711e+01	5.837953e+00	5.708289e-01	6.386023e+01
	M_N	2.281704e+02	4.291101e+01	1.823627e+00	1.827921e+02
	J62_63	1.348641e+00	1.268449e+00	2.168672e-02	7.834975e+00
	O84	3.249740e+00	8.756301e-01	4.764563e-02	3.309178e+00
	P85	8.270219e-01	5.257349e-01	7.804142e-02	9.914589e+00
	R_S	3.060480e+00	4.349051e-01	2.768540e-02	4.794199e+00
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
BE	A01	2.697610e+00	2.935257e-03	1.451350e-06	8.607016e-05
	A02	2.311575e-05	1.890019e-02	2.167900e-07	1.683067e-04
	A03	7.989651e-06	1.607006e-06	1.562981e-03	1.264403e-05
	B_nongas	2.241129e-02	2.347673e-03	5.173329e-04	1.507027e-01
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	1.730528e+00	1.902398e-03	9.965337e-03	3.161346e-03
	C13-15	6.383644e-02	1.967282e-03	1.083157e-04	4.649208e-03
	C16	2.111862e-02	1.234827e-03	2.404870e-04	1.036626e-02
	C17	8.645104e-03	8.174347e-03	6.455636e-05	5.703511e-03
	C18	1.350176e-03	2.853889e-04	3.794278e-05	2.341572e-03
	C19	7.658762e-01	2.244253e-01	9.612510e-04	5.039543e-01
	C24	7.265230e-03	1.522466e-03	1.716928e-05	2.564267e-01

	C20-21	1.089035e-01	2.034147e-02	1.048510e-03	6.213170e-02
	C22	1.798234e-01	3.279545e-03	4.389690e-04	1.016669e-01
	C23	6.872922e-02	7.358500e-04	5.548771e-03	2.093404e-02
	C25_33	1.239908e-01	3.198534e-02	3.782172e-04	3.755487e-02
	C25	5.720780e-02	2.601763e-02	2.814200e-04	2.385350e-02
	C26	4.384158e-03	2.002728e-03	1.819773e-05	7.169421e-04
	C27	3.813491e-01	2.111334e-01	2.303900e-03	1.468008e-01
	C28_32	1.953500e-02	9.607482e-03	1.053797e-04	7.296599e-03
	C29	3.150094e-02	1.092827e-02	1.677959e-04	1.353967e-02
	C30	1.060207e-03	2.601026e-04	7.960608e-06	4.228244e-04
	C31	5.257183e-02	1.086619e-02	8.796514e-05	1.181558e-02
	E37-39	1.563631e-02	1.900406e-03	4.546312e-05	9.282771e-03
	D35	6.813703e-02	7.176517e-03	3.998156e-03	6.865235e-02
	E36	1.739454e-03	3.009212e-04	8.914472e-06	2.085554e-03
	F	1.545227e-01	7.601471e-02	1.463239e-03	7.901897e-02
	G45	9.043624e-03	2.188993e-03	1.438162e-04	7.194979e-03
	G47	2.185840e-03	4.778394e-04	1.262254e-04	9.336510e-04
	G46	1.041034e+00	7.152770e-02	1.186551e-02	3.596471e-01
	I	1.224956e-02	2.653067e-03	2.765899e-04	1.788604e-02
	H49	2.948576e-01	5.916516e-02	5.150028e-03	2.004168e-01
	H50	2.009952e-02	4.796102e-03	5.432012e-04	1.048824e-01
	H51	1.523943e-02	8.565748e-03	8.775754e-04	3.262100e-02
	H52	1.936623e-01	5.114918e-02	2.445396e-03	3.932196e-01
	H53	2.377719e-02	2.958429e-03	3.417693e-04	2.251466e-02
	K64	2.385409e-01	2.214503e-02	7.120175e-04	5.095501e-02
	K65	1.661251e-02	2.477388e-03	2.606667e-04	1.518669e-02
	K66	9.354289e-05	3.103199e-05	3.001256e-06	3.687426e-04
	L68	2.344232e-03	4.574487e-04	4.508859e-05	4.291598e-03
	M_N	7.693332e-01	6.891939e-02	3.268949e-03	4.892781e-01
	J62_63	4.543928e-03	2.612027e-03	6.181940e-05	8.702697e-03
	O84	5.761306e-03	7.637136e-04	1.591697e-05	5.348456e-03
	P85	9.007148e-04	2.917639e-04	2.470202e-05	5.836518e-03
	R_S	4.012431e-03	7.579975e-04	4.511287e-05	4.742613e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
BG	A01	2.522592e-01	2.661587e-04	5.089198e-05	2.991297e-04
	A02	2.324900e-03	2.807219e-02	2.144293e-06	1.318428e-04
	A03	3.364291e-05	9.154753e-06	5.028906e-07	9.602331e-05
	B_nongas	1.466152e-03	1.356936e-04	9.450790e-06	1.533829e-02
	B_gas	6.892555e-03	7.677192e-05	5.980683e-05	1.281664e-01
	C10-12	2.477812e-01	9.045147e-04	9.776233e-04	4.173049e-03
	C13-15	1.902755e-02	1.586621e-03	3.710016e-05	9.867102e-04
	C16	4.652725e-03	1.587666e-03	2.912970e-05	2.248669e-03
	C17	4.944074e-03	3.943344e-03	2.941481e-05	2.487472e-03
	C18	7.701785e-04	2.461797e-04	4.470864e-06	9.316627e-04
	C19	1.250873e-01	3.655325e-02	1.984954e-04	1.246667e-01
	C24	8.949126e-03	1.985122e-04	4.308584e-06	1.279429e-02
	C20-21	4.596779e-01	4.083164e-03	7.490611e-05	1.567593e-01

	C22	3.142970e-02	3.914776e-04	6.854138e-05	1.606776e-02
	C23	3.840557e-02	8.223230e-04	4.198821e-04	1.177889e-02
	C25_33	2.113046e-02	1.558948e-03	2.116947e-05	2.080798e-03
	C25	1.588752e-02	4.444330e-03	3.708096e-05	7.071853e-03
	C26	1.247934e-03	4.997307e-04	4.925760e-06	3.261715e-04
	C27	3.598399e-02	1.815976e-02	1.997879e-04	1.312000e-02
	C28_32	9.137171e-03	3.942569e-03	4.109150e-05	3.096085e-03
	C29	2.496684e-03	9.959242e-04	1.028600e-05	7.787202e-04
	C30	1.289282e-03	4.357380e-04	6.036982e-06	3.976911e-04
	C31	2.353484e-01	4.923170e-02	3.189564e-04	4.716660e-02
	E37-39	2.087860e-03	2.900090e-04	1.215112e-05	1.091139e-03
	D35	5.045435e-03	5.897793e-04	1.089499e-05	1.001532e-03
	E36	1.886201e-04	4.216905e-05	1.088467e-06	1.345654e-04
	F	1.056731e-02	4.056570e-03	2.414789e-04	1.498011e-02
	G45	5.576403e-03	6.688087e-04	4.912562e-05	3.416090e-03
	G47	4.980558e-02	5.222217e-03	2.919920e-04	2.302288e-02
	G46	1.447530e-01	2.350924e-02	4.557457e-04	5.443111e-02
	I	1.123032e-02	2.208587e-03	1.947240e-04	1.345028e-02
	H49	2.277627e-01	4.452019e-02	3.832821e-03	1.569293e-01
	H50	5.500927e-03	1.055699e-03	1.182999e-04	2.481906e-02
	H51	2.481380e-03	1.394897e-03	1.439688e-04	5.324629e-03
	H52	8.779411e-02	2.301212e-02	1.064438e-03	1.807922e-01
	H53	2.274284e-02	2.940081e-03	3.104563e-04	2.732552e-02
	K64	5.681139e-02	4.912329e-03	1.560115e-04	1.203707e-02
	K65	3.396342e-03	4.369495e-04	2.953010e-05	2.615938e-03
	K66	4.889019e-04	5.835172e-05	3.127138e-06	3.300594e-04
	L68	6.579536e-03	1.029956e-03	7.551060e-05	6.456577e-03
	M_N	5.428343e-02	6.308786e-03	3.604561e-04	7.986096e-02
	J62_63	7.536850e-04	9.763667e-04	1.691676e-05	7.325596e-03
	O84	1.298912e-05	3.825317e-06	2.214204e-07	9.851296e-06
	P85	5.518126e-05	1.603217e-05	7.230516e-07	7.916294e-05
	R_S	9.135977e-04	2.235135e-04	8.245435e-06	9.097471e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CY	A01	3.961599e-02	7.780387e-06	6.499774e-05	1.244648e-06
	A02	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.409340e-03	1.870740e-04	1.318760e-05	3.827418e-03
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	9.782651e-02	1.814565e-04	1.369679e-03	3.508609e-05
	C13-15	1.821841e-04	8.177605e-05	9.364123e-07	5.529628e-05
	C16	8.081967e-05	1.173040e-05	4.397915e-07	2.581801e-05
	C17	1.369720e-05	1.503440e-05	1.022734e-07	8.874701e-06
	C18	4.861803e-04	2.686662e-04	2.917314e-06	1.860576e-04
	C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C24	1.882044e-05	3.245551e-06	6.810139e-10	1.112355e-05
	C20-21	2.230697e-06	2.531933e-07	4.975733e-08	5.794732e-07
	C22	2.235024e-03	7.448242e-04	1.017528e-05	1.029134e-03

	C23	1.263034e-06	2.096702e-07	8.915851e-09	5.216497e-07
	C25_33	1.401388e-03	7.114112e-04	7.773383e-06	4.942782e-04
	C25	1.453976e-03	8.070349e-04	8.770174e-06	5.591638e-04
	C26	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C27	9.495660e-03	5.285265e-03	5.753686e-05	3.656474e-03
	C28_32	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C29	1.488656e-05	6.482676e-07	2.030249e-08	1.122022e-06
	C30	1.104228e-05	5.891338e-06	6.334139e-08	4.110485e-06
	C31	9.536373e-04	1.988018e-04	1.299800e-06	1.930111e-04
	E37-39	2.064313e-03	2.598907e-04	7.263339e-08	9.432033e-04
	D35	1.090911e-08	2.094740e-09	2.365024e-10	1.867686e-08
	E36	8.380503e-09	1.562017e-09	1.654613e-10	1.814499e-08
	F	8.491991e-06	7.311074e-06	4.472421e-07	2.753902e-05
	G45	6.920229e-05	1.119566e-05	1.460858e-06	2.396631e-05
	G47	2.709264e-04	6.494075e-05	1.934678e-05	9.744371e-05
	G46	1.865824e-03	3.665109e-04	4.869685e-05	2.846704e-03
	I	7.218629e-03	1.546203e-03	1.676035e-04	1.070875e-02
	H49	8.610678e-02	1.695076e-02	1.609844e-03	5.172000e-02
	H50	1.310213e-02	2.658515e-03	3.767328e-04	8.108929e-02
	H51	1.138286e-03	6.426987e-04	6.633850e-05	2.449716e-03
	H52	6.727725e-03	1.832364e-03	7.419201e-05	1.496648e-02
	H53	6.102622e-06	4.034735e-06	1.241846e-07	3.216760e-05
	K64	1.182470e-01	1.013191e-02	3.154728e-04	2.345369e-02
	K65	8.712834e-04	1.297022e-04	1.366050e-05	7.937660e-04
	K66	3.530187e-06	1.235947e-06	1.246210e-07	1.514210e-05
	L68	6.422544e-04	1.197079e-04	1.268042e-05	1.390572e-03
	M_N	8.277198e-03	9.402319e-04	5.673653e-05	1.298510e-02
	J62_63	2.663603e-05	5.955940e-05	1.075892e-06	4.486416e-04
	O84	7.349153e-08	2.164338e-08	1.252781e-09	5.573794e-08
	P85	1.639181e-05	1.339220e-05	2.131233e-06	2.462153e-04
	R_S	1.064833e-04	8.174119e-06	8.938646e-07	8.681780e-05
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CZ	A01	2.606377e+00	1.093418e-01	2.321568e-04	1.697889e-04
	A02	1.350974e-02	5.367436e+01	1.911534e-02	3.436306e-02
	A03	2.490861e-02	6.195589e-02	2.050254e-02	2.325675e-05
	B_nongas	2.333787e-01	2.203503e-02	1.591122e-04	2.958475e-01
	B_gas	4.485444e-04	1.926060e-04	2.523221e-06	2.185739e-04
	C10-12	2.798222e+00	3.393706e-02	2.166527e-02	1.053796e-01
	C13-15	4.275255e-01	1.420577e-02	8.895650e-04	3.540695e-02
	C16	2.388850e-01	9.233793e-01	2.141754e-03	9.557723e-02
	C17	1.100210e-01	1.133884e-01	8.026616e-04	6.949036e-02
	C18	8.440025e-03	3.150073e-03	9.045768e-05	2.129341e-02
	C19	9.746658e-01	2.858799e-01	1.034978e-03	3.826175e-01
	C24	4.893579e-02	8.603969e-03	1.050635e-04	4.968777e-01
	C20-21	3.627407e+00	5.871722e-02	1.028863e-03	2.518827e+00
	C22	5.407116e-01	1.386910e-02	1.312862e-03	2.987612e-01
	C23	1.575123e-01	1.787952e-03	9.708283e-03	1.356615e-01

	C25_33	3.328021e-01	5.104150e-02	5.922351e-04	5.130772e-02
	C25	2.606544e-01	1.083881e-01	1.188674e-03	1.166020e-01
	C26	3.514778e-01	1.639588e-01	1.374184e-03	3.783283e-02
	C27	2.987426e+00	1.645151e+00	1.790505e-02	1.157557e+00
	C28_32	9.428541e-02	3.911445e-02	4.128590e-04	3.696267e-02
	C29	3.960591e-01	2.052257e-01	2.354772e-03	1.520848e-01
	C30	3.841814e-02	1.972675e-02	2.138965e-04	1.474111e-02
	C31	1.174160e+00	2.522217e-01	1.660535e-03	2.512256e-01
	E37-39	2.140738e-02	1.783402e-02	1.040821e-04	1.109793e-02
	D35	1.499602e-02	2.864727e-02	1.203912e-04	1.543947e-02
	E36	3.565206e-04	2.300384e-03	2.348893e-03	5.083338e-04
	F	3.927598e-02	1.458130e-02	7.477439e-04	1.165590e-01
	G45	9.374557e-03	2.180503e-03	1.169695e-04	6.792998e-03
	G47	2.517038e-01	3.950835e-02	1.669610e-03	6.677589e-02
	G46	5.246945e-01	6.450708e-02	1.722877e-03	2.417821e-01
	I	2.377403e-02	3.385419e-03	5.653541e-04	2.304655e-02
	H49	5.084195e-01	1.299822e-01	8.230256e-03	3.598411e-01
	H50	2.874780e-03	5.984212e-04	8.200270e-05	1.740544e-02
	H51	9.661463e-03	4.312725e-03	1.288728e-04	8.591371e-03
	H52	3.132021e-01	8.476266e-02	2.651987e-03	4.647392e-01
	H53	1.277546e-02	2.336136e-03	1.576455e-04	1.094031e-02
	K64	4.071559e-02	3.498433e-03	1.089437e-04	8.164222e-03
	K65	2.067196e-02	3.077306e-03	3.241090e-04	1.883272e-02
	K66	1.012046e-04	3.500813e-05	3.548889e-06	4.223774e-04
	L68	1.656321e-02	1.120326e-02	2.421413e-04	2.069457e-02
	M_N	2.713717e-01	7.037246e-01	7.160241e-03	2.734980e-01
	J62_63	1.564987e-02	7.460873e-03	8.005892e-05	9.614879e-03
	O84	2.413408e-03	1.193089e+00	1.611849e-05	1.673765e-03
	P85	1.380712e-03	2.655083e-04	2.537649e-05	2.263428e-03
	R_S	5.214807e-03	4.280761e-02	5.204686e-05	4.385321e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
DE	A01	1.283014e+02	2.895125e-03	3.983200e-04	5.885251e-03
	A02	1.916850e-02	5.564147e+01	1.980576e-04	1.079292e-02
	A03	0.000000e+00	0.000000e+00	1.243054e-01	0.000000e+00
	B_nongas	4.098779e+00	4.497646e-01	1.341944e-02	5.929677e+00
	B_gas	6.093927e-01	1.765307e-01	9.271438e-04	3.422565e-01
	C10-12	5.089657e+01	6.557706e-02	3.803234e-01	1.212254e-01
	C13-15	1.739580e+00	9.097440e-02	3.390429e-03	5.279870e-02
	C16	7.863126e-01	4.917615e-02	8.278507e-03	3.711448e-01
	C17	1.650980e+00	1.943631e+00	1.284987e-02	1.072275e+00
	C18	5.271156e-02	1.720977e-02	6.163546e-04	1.765439e-01
	C19	7.067459e+01	2.118820e+01	8.759578e-02	3.448620e+01
	C24	1.579839e+00	4.543179e-01	2.431978e-03	7.421637e+00
	C20-21	1.873317e+01	1.405321e+00	3.652716e-02	3.464968e+00
	C22	6.617298e+00	1.039516e-01	1.693506e-02	3.683033e+00
	C23	1.513770e+00	2.740865e-02	1.043830e-01	4.137950e-01
	C25_33	2.833095e+00	1.638367e-01	2.695153e-03	2.589592e-01

	C25	2.948467e+00	1.211418e+00	1.289703e-02	1.240490e+00
	C26	1.264585e+00	5.924681e-01	5.003791e-03	1.431189e-01
	C27	2.388612e+01	1.326395e+01	1.446168e-01	9.203435e+00
	C28_32	1.725352e+00	7.887408e-01	8.481931e-03	6.015424e-01
	C29	6.324248e-01	2.290839e-01	3.144461e-03	2.453562e-01
	C30	1.845480e-01	8.108326e-02	8.578937e-04	7.112021e-02
	C31	1.001044e+01	2.103064e+00	1.366085e-02	2.009833e+00
	E37-39	1.275211e-01	2.247642e-02	4.601355e-04	8.454057e-02
	D35	3.749150e-01	1.607264e-01	3.464062e-03	3.162104e-01
	E36	8.464270e-02	4.256884e-02	5.323704e-04	4.134207e-02
	F	6.576306e-01	3.748785e-01	2.784801e-02	1.483728e+00
	G45	1.980360e-02	2.681196e-03	2.277205e-04	2.249204e-02
	G47	2.129062e-01	3.768947e-02	2.312828e-03	6.163396e-02
	G46	2.699751e+00	9.995364e-02	3.391147e-02	6.043246e-01
	I	6.431195e-01	7.809904e-02	1.164646e-02	5.366345e-01
	H49	3.888070e+00	7.707153e-01	7.195439e-02	2.441102e+00
	H50	3.104537e+00	9.105429e-01	9.018941e-03	2.823830e+00
	H51	1.216268e-01	6.652387e-02	6.122904e-03	2.357462e-01
	H52	1.776569e+00	4.623081e-01	2.139082e-02	3.493906e+00
	H53	3.941784e-01	1.175066e-01	4.396825e-03	2.889916e-01
	K64	2.530389e+00	2.169018e-01	6.756623e-03	5.029025e-01
	K65	1.954322e-01	2.914472e-02	3.065331e-03	1.786203e-01
	K66	1.791485e-03	6.615444e-04	6.337709e-05	7.921484e-03
	L68	6.255745e-02	1.166467e-02	1.235153e-03	1.354805e-01
	M_N	6.481844e+00	9.385572e-01	5.074339e-02	9.422383e+00
	J62_63	6.343256e-02	4.067569e-02	4.796482e-04	1.275799e-01
	O84	3.573994e-04	2.728771e-04	1.372543e-05	1.193596e-03
	P85	1.045357e-03	9.012375e-04	1.363058e-04	1.604108e-02
	R_S	6.837750e-02	6.573507e-03	8.058403e-04	6.310199e-02
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
DK	A01	2.314567e+00	2.718560e-04	8.575591e-04	6.424215e-04
	A02	1.174894e+00	1.612341e+00	2.841922e-08	6.444287e-05
	A03	2.005674e-06	9.070114e-07	2.067432e-02	6.797697e-07
	B_nongas	2.667394e-03	3.349251e-04	2.486469e-05	1.522177e-02
	B_gas	3.620142e-06	1.097209e-06	4.607370e-08	3.406153e-06
	C10-12	2.149998e+00	2.603105e-03	1.317272e-02	1.569216e-03
	C13-15	1.967778e-02	8.448878e-04	4.983312e-05	6.296628e-04
	C16	6.021247e-03	1.072532e-01	5.383393e-05	1.979825e-03
	C17	6.450014e-03	6.686371e-03	5.030810e-05	3.712254e-03
	C18	2.442523e-03	5.204430e-04	9.089414e-06	1.916771e-03
	C19	3.604977e-02	1.029239e-02	8.375245e-05	3.442884e-02
	C24	6.614143e-03	2.301875e-04	2.677189e-05	2.448852e-02
	C20-21	1.477205e-01	8.228286e-04	1.288733e-04	4.521275e-03
	C22	8.263785e-02	2.557147e-03	2.194067e-04	4.425105e-02
	C23	1.533252e-02	3.047385e-03	5.857435e-04	9.201113e-03
	C25_33	1.160308e-01	1.916544e-02	2.686528e-04	1.656232e-02
	C25	4.586377e-02	1.565472e-02	2.900403e-04	1.662455e-02

	C26	2.548396e-04	2.691808e-05	2.070933e-06	2.868463e-05
	C27	3.674211e-01	2.030511e-01	2.224068e-03	1.408436e-01
	C28_32	2.945834e-02	1.120441e-02	1.509478e-04	8.931781e-03
	C29	1.607718e-03	1.503254e-05	1.325048e-05	7.601693e-05
	C30	3.583342e-03	8.393415e-04	1.014483e-05	7.596270e-04
	C31	1.392774e-01	2.921739e-02	1.946611e-04	2.826238e-02
	E37-39	1.742545e-04	9.925273e-05	2.884969e-06	3.398553e-04
	D35	9.039734e-06	4.597122e-06	1.664116e-07	6.409092e-06
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	2.850284e-01	1.341968e-01	1.452354e-03	1.003925e-01
	G45	1.813253e-03	5.392682e-04	3.557690e-05	6.589812e-04
	G47	1.580119e-03	4.829630e-04	4.214515e-05	1.010410e-03
	G46	3.792352e-02	7.812637e-03	8.794457e-04	5.543961e-02
	I	1.124658e-02	2.348740e-03	2.500976e-04	1.668707e-02
	H49	7.944328e-02	1.542215e-02	1.331301e-03	5.526368e-02
	H50	7.964035e-03	1.625135e-03	2.247958e-04	4.800015e-02
	H51	1.236715e-03	6.982401e-04	7.187621e-05	2.656265e-03
	H52	2.754161e-02	7.520582e-03	3.037051e-04	6.118340e-02
	H53	1.853038e-03	2.303453e-04	2.471566e-05	1.965657e-03
	K64	4.826818e-02	4.180959e-03	1.317335e-04	1.048420e-02
	K65	4.156247e-03	6.224883e-04	6.520374e-05	3.815171e-03
	K66	2.343053e-05	1.484990e-05	8.532618e-07	1.464308e-04
	L68	5.380625e-04	1.149073e-04	1.049256e-05	1.073690e-03
	M_N	1.218253e-01	1.718087e-02	9.360120e-04	1.931040e-01
	J62_63	1.493946e-03	1.136457e-03	1.658074e-05	4.499095e-03
	O84	2.700318e-05	9.254693e-06	4.389446e-07	3.248315e-05
	P85	1.356697e-05	9.894064e-06	1.370224e-06	1.519301e-04
	R_S	8.423074e-04	9.739033e-05	9.621399e-06	8.326455e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
EE	A01	2.684658e-03	2.429187e-03	2.110008e-06	4.427945e-05
	A02	1.727193e-04	1.454104e-01	2.226910e-06	8.770188e-05
	A03	2.000950e-05	6.302707e-06	2.469519e-07	1.525250e-05
	B_nongas	1.082356e-03	7.362741e-05	3.121662e-06	1.836407e-03
	B_gas	5.691445e-05	1.388499e-05	9.712372e-07	4.393410e-05
	C10-12	1.627847e-02	1.207189e-04	9.269397e-05	4.234261e-04
	C13-15	6.376079e-03	1.825429e-04	1.089505e-05	9.899411e-05
	C16	1.325067e-02	1.170658e-02	1.484782e-04	6.514560e-03
	C17	2.127137e-03	2.538915e-03	1.696481e-05	1.385925e-03
	C18	1.355396e-04	7.978025e-05	1.808325e-06	1.076772e-04
	C19	4.440096e-04	1.832623e-05	1.543297e-07	4.501593e-04
	C24	1.257953e-04	5.291073e-05	2.028439e-06	5.692694e-04
	C20-21	1.207145e-04	5.268179e-05	2.152757e-06	1.078317e-04
	C22	1.433811e-03	6.139462e-05	4.430576e-06	7.898483e-04
	C23	1.064280e-03	1.089267e-04	6.457330e-05	6.000110e-04
	C25_33	2.931333e-03	1.279566e-04	3.023500e-06	1.904690e-04
	C25	6.295876e-04	1.080459e-04	1.675968e-06	2.610238e-04
	C26	1.219108e-04	5.660598e-05	5.447412e-07	1.614131e-05

	C27	6.867409e-03	3.755136e-03	4.166651e-05	2.643661e-03
	C28_32	6.987675e-04	2.931006e-04	3.304680e-06	2.350610e-04
	C29	9.724240e-05	1.901338e-05	4.205308e-07	2.473363e-05
	C30	7.824911e-06	3.637743e-06	1.419022e-07	2.765366e-06
	C31	9.794737e-03	2.057714e-03	1.564889e-05	1.993859e-03
	E37-39	5.513144e-04	5.802378e-05	3.561251e-06	1.343393e-04
	D35	6.510956e-04	2.524341e-04	9.722776e-06	3.864586e-04
	E36	3.049033e-05	1.011701e-05	4.489419e-07	2.486941e-05
	F	2.112765e-03	1.335514e-03	7.500305e-05	3.972903e-03
	G45	1.061078e-03	4.299847e-04	1.875769e-05	4.579446e-04
	G47	2.450675e-03	4.364587e-04	2.437121e-05	3.238035e-03
	G46	1.227836e-02	3.980044e-03	1.882171e-04	8.768359e-03
	I	8.619864e-04	1.861322e-04	1.738606e-05	1.228061e-03
	H49	3.493859e-02	7.242325e-03	6.140139e-04	2.319023e-02
	H50	1.203359e-02	2.710289e-03	3.315355e-04	6.756793e-02
	H51	4.218541e-04	2.106111e-04	2.018564e-05	9.048948e-04
	H52	2.873357e-02	7.913197e-03	3.207174e-04	6.265691e-02
	H53	6.309834e-04	1.564142e-04	9.771897e-06	4.442182e-04
	K64	9.311128e-04	1.278913e-04	4.313081e-06	2.500236e-04
	K65	2.026819e-05	7.516540e-06	3.503980e-07	1.160361e-05
	K66	1.781193e-04	3.722157e-05	1.974794e-06	2.511657e-04
	L68	7.348941e-04	2.151482e-04	1.209356e-05	9.113464e-04
	M_N	4.469075e-02	1.229303e-02	5.349271e-04	4.394269e-02
	J62_63	2.792237e-04	1.438795e-04	4.588954e-06	3.436642e-04
	O84	1.135600e-04	2.472691e-05	1.132347e-06	2.176103e-04
	P85	2.559266e-05	7.213078e-06	4.253738e-07	3.439466e-05
	R_S	2.095744e-04	5.812272e-05	2.821282e-06	1.749626e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
ES	A01	4.892806e+00	6.984984e-04	1.423072e-04	3.029543e-04
	A02	3.265499e-01	8.796762e-02	2.630345e-07	1.257334e-04
	A03	1.174230e-02	2.683561e-05	1.192171e-02	1.476356e-06
	B_nongas	3.443355e-02	4.320985e-03	3.008299e-04	1.427040e-01
	B_gas	1.562012e-06	4.351046e-07	9.434624e-09	2.194626e-06
	C10-12	1.646272e+00	2.621598e-03	1.346874e-02	2.155843e-03
	C13-15	1.857359e-01	8.057764e-03	3.995505e-04	4.494008e-03
	C16	1.276435e-02	2.152827e-03	5.821394e-05	3.985507e-03
	C17	3.230453e-02	3.597686e-02	2.394980e-04	2.113414e-02
	C18	4.665634e-03	1.750738e-03	1.851340e-05	3.590302e-03
	C19	5.282200e-02	1.583537e-02	8.335026e-05	3.890512e-02
	C24	8.413646e-03	2.777910e-03	3.415785e-05	3.584029e-01
	C20-21	1.315392e-02	1.367132e-03	1.240464e-04	4.930355e-03
	C22	1.230455e-01	1.654105e-03	3.004640e-04	6.875597e-02
	C23	4.078587e-02	4.848364e-03	2.128792e-03	8.928747e-03
	C25_33	1.277964e-01	2.892794e-02	3.245523e-04	3.876589e-02
	C25	1.618208e-01	8.050877e-02	8.709319e-04	6.216866e-02
	C26	2.270652e-03	1.009138e-03	8.567575e-06	2.343185e-04
	C27	5.947361e-01	3.300314e-01	3.593987e-03	2.295298e-01

	C28_32	1.160539e-02	4.640797e-03	5.082227e-05	4.089370e-03
	C29	1.640413e-02	1.987598e-03	3.901858e-05	4.120812e-03
	C30	1.024969e-02	4.780029e-03	5.177812e-05	3.638303e-03
	C31	1.000504e-01	2.074877e-02	1.416677e-04	2.116905e-02
	E37-39	4.124380e-04	6.397236e-05	3.086933e-06	2.666255e-04
	D35	1.366347e-02	7.059434e-03	9.605480e-05	6.689941e-03
	E36	1.938520e-04	5.141850e-05	3.039130e-06	3.395733e-04
	F	1.858364e-02	8.975078e-03	4.928552e-04	2.998284e-02
	G45	6.785303e-04	1.970950e-04	8.405463e-06	9.161453e-04
	G47	1.658985e-01	1.061032e-03	9.079094e-04	2.139888e-03
	G46	4.462348e-01	1.015793e-02	6.091511e-04	1.483675e-02
	I	7.778495e-02	1.662746e-02	1.800005e-03	1.153072e-01
	H49	1.737086e-01	3.443533e-02	2.873234e-03	1.223714e-01
	H50	3.344766e-03	6.807231e-04	9.564532e-05	2.032931e-02
	H51	1.939526e-02	9.938286e-03	4.190233e-04	1.930065e-02
	H52	9.254464e-02	2.522203e-02	1.020758e-03	2.044759e-01
	H53	4.552289e-03	7.540568e-04	5.311538e-05	4.442525e-03
	K64	3.328881e-02	2.856550e-03	8.939567e-05	6.742352e-03
	K65	3.295273e-03	4.815987e-04	4.943799e-05	3.160210e-03
	K66	4.949691e-05	1.666279e-05	1.667317e-06	2.045438e-04
	L68	9.494148e-04	1.782978e-04	1.872872e-05	2.054664e-03
	M_N	6.398770e-02	9.697876e-03	5.015501e-04	8.483355e-02
	J62_63	1.332048e-03	9.035367e-04	1.230453e-05	3.718177e-03
	O84	1.670329e-01	3.341266e-03	5.500497e-05	9.113454e-03
	P85	4.451418e-04	1.422183e-04	1.941217e-05	1.818766e-03
	R_S	2.342588e-03	3.070553e-04	1.914816e-05	2.472010e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
FI	A01	1.232298e-01	2.092815e-04	1.234949e-05	1.852175e-04
	A02	1.831729e-06	1.748095e-02	6.245100e-08	5.969627e-06
	A03	0.000000e+00	0.000000e+00	1.103344e-04	0.000000e+00
	B_nongas	1.127077e-02	8.504973e-04	4.549346e-05	1.925041e-02
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	6.339422e-02	1.608941e-04	2.753013e-04	1.103044e-03
	C13-15	2.222168e-02	8.747088e-04	4.694040e-05	5.217335e-04
	C16	4.635655e-02	2.664591e-03	5.158607e-04	2.288960e-02
	C17	6.318706e-02	7.003370e-02	4.745086e-04	4.157801e-02
	C18	2.197140e-03	5.953497e-04	1.635260e-05	3.022335e-03
	C19	8.483845e-03	2.469138e-03	1.161886e-05	4.021811e-03
	C24	1.727398e-03	9.012688e-05	5.541346e-06	4.746208e-02
	C20-21	3.177107e-02	9.623647e-04	1.874666e-05	2.287471e-03
	C22	2.824104e-02	6.316975e-04	7.077638e-05	1.637186e-02
	C23	4.401664e-03	1.521974e-04	2.791807e-04	1.837185e-03
	C25_33	1.777331e-02	4.290451e-03	5.316433e-05	5.354116e-03
	C25	1.236450e-01	6.261649e-02	6.960109e-04	5.309001e-02
	C26	4.691261e-04	2.195617e-04	2.487579e-06	6.710350e-05
	C27	2.266035e-01	1.241831e-01	1.411090e-03	9.119154e-02
	C28_32	1.167063e-02	5.028203e-03	5.865725e-05	4.257937e-03

	C29	3.095574e-03	1.399561e-03	1.620572e-05	1.397104e-03
	C30	9.119150e-03	3.993721e-03	4.823989e-05	4.050103e-03
	C31	8.163034e-03	1.663883e-03	1.953747e-05	1.902216e-03
	E37-39	2.376356e-03	2.501859e-04	9.650937e-07	1.126197e-03
	D35	2.803540e-03	1.015921e-03	1.882166e-05	2.521821e-03
	E36	2.431419e-04	4.490423e-05	2.708256e-06	4.136716e-04
	F	8.462491e-03	6.679473e-03	3.797327e-04	2.305539e-02
	G45	5.896694e-04	9.079295e-05	6.896215e-06	6.540461e-04
	G47	8.448024e-03	4.148706e-03	7.880943e-05	4.148873e-03
	G46	1.280849e-02	2.125822e-03	1.871448e-04	1.890626e-02
	I	4.234435e-03	9.015498e-04	9.656649e-05	6.274805e-03
	H49	7.088342e-02	1.372519e-02	1.198331e-03	4.900093e-02
	H50	6.677163e-03	1.520257e-03	1.731153e-04	3.231902e-02
	H51	8.014544e-04	4.185296e-04	3.296430e-05	1.105003e-03
	H52	3.041400e-02	8.225387e-03	3.331626e-04	6.710445e-02
	H53	3.680964e-03	5.773607e-04	4.417280e-05	3.414954e-03
	K64	2.986124e-02	2.559975e-03	7.968996e-05	5.933329e-03
	K65	1.239474e-03	1.861179e-04	1.945218e-05	1.141963e-03
	K66	8.681935e-06	3.076335e-06	3.066298e-07	3.749332e-05
	L68	2.497422e-04	5.078423e-05	4.561423e-06	5.067261e-04
	M_N	7.560783e-02	1.139507e-02	5.973726e-04	1.076880e-01
	J62_63	2.403378e-03	1.112828e-03	2.212773e-05	3.405693e-03
	O84	1.100472e-03	1.608100e-04	9.966782e-06	1.732846e-03
	P85	2.710455e-05	5.370993e-06	4.549934e-07	7.498081e-05
	R_S	1.367290e-03	3.697371e-04	1.007577e-05	1.532602e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
FR	A01	4.214578e+00	1.176391e-03	8.258031e-03	5.195349e-05
	A02	2.668415e-05	1.009367e+00	0.000000e+00	4.000880e-05
	A03	0.000000e+00	0.000000e+00	3.023574e-02	0.000000e+00
	B_nongas	1.920439e-01	2.493517e-02	1.742986e-03	6.333401e-01
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	4.370786e+00	6.846578e-03	4.156802e-02	4.269914e-04
	C13-15	8.480238e-02	3.362092e-03	1.415519e-04	1.065158e-03
	C16	2.684778e-02	1.439443e-03	3.004557e-04	1.302478e-02
	C17	1.503146e-01	1.814376e-01	1.176926e-03	9.839722e-02
	C18	6.225822e-04	1.746368e-04	7.524794e-06	2.238168e-03
	C19	4.381930e-01	1.323911e-01	7.325248e-04	4.711059e-01
	C24	0.000000e+00	0.000000e+00	0.000000e+00	6.431614e-01
	C20-21	3.201170e+00	1.045645e-02	2.688964e-04	3.521393e-01
	C22	4.827138e-01	6.817660e-04	1.127563e-03	2.774203e-01
	C23	1.277659e-01	0.000000e+00	9.561762e-03	1.596621e-02
	C25_33	1.474138e-01	1.238710e-03	2.842284e-05	4.875081e-04
	C25	4.212632e-02	6.001465e-03	0.000000e+00	2.220642e-02
	C26	8.534656e-03	3.990140e-03	3.336659e-05	8.899790e-04
	C27	1.279654e+00	7.126230e-01	7.746073e-03	4.922780e-01
	C28_32	1.864799e-01	8.179705e-02	8.365318e-04	6.268490e-02
	C29	8.841402e-03	0.000000e+00	0.000000e+00	0.000000e+00

	C30	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C31	1.450225e+00	3.049713e-01	1.958247e-03	2.901010e-01
	E37-39	1.753408e-03	2.164634e-04	2.725802e-07	1.428065e-03
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	5.584117e-03	4.964794e-03	3.023949e-04	1.840769e-02
	G45	8.796998e-04	1.419313e-04	1.859197e-05	2.759880e-04
	G47	1.619241e-03	4.105053e-04	1.248166e-04	3.647572e-04
	G46	2.968926e-02	5.918011e-03	7.819087e-04	4.562655e-02
	I	5.679568e-02	1.216718e-02	1.318952e-03	8.425170e-02
	H49	6.691905e-01	1.307663e-01	1.186900e-02	4.331780e-01
	H50	1.176808e-02	2.387828e-03	3.383745e-04	7.199869e-02
	H51	1.064380e-02	6.009842e-03	6.203277e-04	2.290661e-02
	H52	3.111699e-01	8.480275e-02	3.426197e-03	6.922640e-01
	H53	1.437857e-02	1.132661e-03	2.014153e-04	1.381758e-02
	K64	3.701454e-01	3.171565e-02	9.875163e-04	7.341648e-02
	K65	1.849507e-02	2.753239e-03	2.899768e-04	1.684958e-02
	K66	1.401907e-04	4.908189e-05	4.948943e-06	6.013225e-04
	L68	2.872313e-03	5.353619e-04	5.670982e-05	6.218969e-03
	M_N	4.689338e-01	7.615535e-02	3.674923e-03	5.985984e-01
	J62_63	2.327364e-04	7.025875e-04	1.065755e-05	5.290232e-03
	O84	1.288716e-02	1.395130e-02	6.540643e-05	8.930893e-03
	P85	4.665299e-03	3.113238e-03	2.540028e-05	3.792451e-03
	R_S	4.736648e-03	1.290439e-03	4.664139e-05	4.136734e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
GR	A01	8.950908e-01	5.910392e-05	4.738299e-04	2.760823e-06
	A02	1.886456e-06	7.135795e-02	0.000000e+00	2.828452e-06
	A03	0.000000e+00	0.000000e+00	1.913604e-02	0.000000e+00
	B_nongas	9.214034e-03	1.278748e-03	8.610808e-05	4.921826e-02
	B_gas	1.662959e-06	2.160733e-07	1.508337e-08	1.671600e-05
	C10-12	1.288572e+00	1.574436e-03	9.001267e-03	3.373112e-03
	C13-15	1.761616e-02	6.513083e-04	3.069215e-05	1.039848e-03
	C16	1.267094e-03	1.187689e-04	1.267301e-05	5.538484e-04
	C17	2.423367e-03	2.633450e-03	1.798780e-05	1.633065e-03
	C18	9.032874e-05	3.650373e-05	1.221521e-06	2.477777e-04
	C19	7.107487e-02	2.172197e-02	9.572287e-05	5.283722e-02
	C24	1.994071e-03	5.125960e-04	1.015609e-05	3.165376e-02
	C20-21	2.022675e-02	4.375390e-04	1.329760e-05	1.595434e-02
	C22	3.512133e-02	2.165252e-04	8.384961e-05	1.992482e-02
	C23	2.377462e-03	3.688465e-04	1.043567e-04	1.021716e-03
	C25_33	2.230223e-02	8.944191e-03	1.050333e-04	1.039214e-02
	C25	2.170721e-02	1.156213e-02	1.256136e-04	8.452093e-03
	C26	5.021798e-06	7.104458e-07	6.343547e-08	5.547646e-06
	C27	2.408008e-01	1.338485e-01	1.456899e-03	9.276253e-02
	C28_32	3.726433e-03	1.633372e-03	1.681094e-05	1.259322e-03
	C29	3.711552e-04	4.223238e-05	8.269518e-07	9.287751e-05
	C30	8.920446e-05	2.253796e-05	1.278188e-06	1.351874e-04

	C31	2.161238e-02	4.442776e-03	3.030828e-05	4.398674e-03
	E37-39	8.092416e-05	8.217966e-06	1.504996e-07	2.002473e-04
	D35	4.109832e-04	1.099091e-04	6.170537e-06	5.708834e-04
	E36	3.302713e-04	8.233433e-05	4.893254e-06	4.665085e-04
	F	4.138161e-03	3.679207e-03	2.240925e-04	1.364119e-02
	G45	1.438008e-04	6.741329e-05	5.004783e-06	2.542011e-04
	G47	6.082592e-04	1.833988e-04	2.488124e-05	7.795918e-04
	G46	9.052437e-03	1.862472e-03	1.042889e-03	5.718119e-03
	I	8.481415e-02	1.824200e-02	1.957628e-03	1.265643e-01
	H49	1.752822e-01	3.337602e-02	3.073777e-03	1.198120e-01
	H50	4.634096e-02	1.766377e-02	4.812848e-04	8.036445e-02
	H51	3.032404e-03	1.691923e-03	1.675763e-04	6.445723e-03
	H52	8.538324e-02	2.184205e-02	1.108467e-03	1.571493e-01
	H53	6.575865e-03	6.704931e-04	9.808708e-05	6.509555e-03
	K64	2.019619e-02	1.797850e-03	6.433834e-05	6.296527e-03
	K65	8.019288e-04	1.178773e-04	1.219790e-05	7.579661e-04
	K66	4.248650e-05	1.487487e-05	1.499838e-06	1.822381e-04
	L68	1.209834e-03	2.256630e-04	2.389459e-05	2.619730e-03
	M_N	1.758777e-01	2.048550e-02	1.219848e-03	2.764195e-01
	J62_63	2.250941e-04	5.463888e-04	8.570021e-06	4.140076e-03
	O84	6.915225e-03	1.405966e-03	4.934552e-05	1.080562e-02
	P85	1.745659e-03	2.000873e-04	1.205131e-05	2.672185e-03
	R_S	9.429377e-04	1.039110e-04	6.871078e-06	1.349466e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
HR	A01	1.250371e+00	8.452629e-03	5.125517e-03	1.149409e-02
	A02	1.877209e-03	5.290627e-01	7.430594e-07	6.310367e-05
	A03	3.184407e-02	5.769222e-04	5.362752e-02	3.991754e-03
	B_nongas	2.827542e-02	3.828725e-03	8.679060e-05	1.135088e+00
	B_gas	3.953679e-05	1.377235e-05	3.513980e-07	4.702775e-05
	C10-12	5.627297e-01	9.365976e-03	2.752923e-03	4.653393e-02
	C13-15	1.265613e-01	1.144273e-02	2.393587e-04	1.159675e-02
	C16	1.880046e-02	7.540339e-04	1.286876e-04	3.646132e-03
	C17	5.225803e-03	3.753526e-03	4.206621e-05	6.038202e-03
	C18	8.150666e-03	2.414181e-03	9.740549e-05	1.247663e-02
	C19	1.417746e-02	3.259521e-03	1.553959e-04	1.068832e-02
	C24	2.839325e-02	2.572725e-03	8.282001e-05	1.878413e-01
	C20-21	6.872579e-01	1.757469e-03	7.741491e-05	5.261093e-02
	C22	7.804197e-02	1.205436e-03	1.665936e-04	3.929080e-02
	C23	4.821714e-02	4.386545e-03	4.033756e-04	8.165017e-01
	C25_33	1.263789e-01	5.301455e-03	1.439105e-04	1.968931e-02
	C25	1.014556e-02	2.596515e-03	3.940642e-05	3.830673e-03
	C26	7.314474e-05	1.556212e-05	6.028508e-07	3.298511e-05
	C27	1.265083e-01	6.879989e-02	7.900839e-04	4.912011e-02
	C28_32	1.310589e-03	4.639691e-04	1.129287e-05	1.479949e-03
	C29	1.635241e-03	2.113351e-04	1.831220e-05	8.092186e-04
	C30	7.413535e-03	1.461355e-03	1.090284e-05	1.626031e-03
	C31	1.128773e-01	2.206006e-02	1.942811e-04	2.247809e-02

	E37-39	1.471125e-03	9.110521e-05	6.823577e-06	2.906085e-03
	D35	2.504152e-01	9.984573e-02	2.339266e-03	1.339018e-01
	E36	5.073625e-04	2.105852e-04	1.405925e-05	7.468320e-04
	F	3.000057e-02	1.698696e-02	1.177728e-03	7.310213e-02
	G45	2.104450e-04	3.920394e-05	3.997866e-06	1.246671e-04
	G47	7.437412e-04	1.706855e-04	3.832333e-05	4.988321e-04
	G46	3.245451e-01	1.300773e-03	1.454911e-04	8.421706e-03
	I	1.141435e-01	9.048143e-02	2.457732e-03	1.570389e-01
	H49	1.835426e-01	3.586463e-02	3.196264e-03	1.226342e-01
	H50	1.756984e-02	3.564692e-03	5.047825e-04	1.071053e-01
	H51	4.971811e-03	1.579535e-03	2.022119e-04	6.147660e-03
	H52	5.649929e-02	1.666045e-02	6.251465e-04	1.238921e-01
	H53	2.541188e-02	3.463219e-03	3.749340e-04	3.479477e-02
	K64	1.068174e-01	9.975522e-03	4.165613e-04	2.941332e-02
	K65	7.831465e-03	1.165821e-03	1.227866e-04	7.134778e-03
	K66	8.717024e-03	9.763802e-04	5.547443e-05	1.172570e-02
	L68	2.655086e-03	5.118330e-04	5.403095e-05	5.968759e-03
	M_N	1.867796e-01	2.716811e-02	1.324322e-03	2.766157e-01
	J62_63	2.806729e-04	7.500433e-04	1.189442e-05	5.591278e-03
	O84	2.615761e-03	3.033963e-05	2.325888e-06	1.423999e-04
	P85	4.798366e-03	2.970006e-03	5.820379e-05	1.040312e-02
	R_S	6.745526e-02	7.562610e-02	1.503416e-05	7.894716e-04
	T	2.027705e-02	8.827934e-03	8.926463e-05	6.475976e-03
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
HU	A01	1.089370e+01	6.321820e-02	2.549234e-03	3.339173e-03
	A02	2.131158e-02	2.725909e+00	3.076379e-05	2.191778e-03
	A03	2.171531e-03	9.627142e-07	4.174957e-03	3.576744e-06
	B_nongas	3.088668e-03	2.825462e-04	2.048131e-05	5.698082e-01
	B_gas	3.577543e-02	5.776666e-04	3.002963e-04	6.173106e-01
	C10-12	2.758436e+00	7.284751e-03	2.257318e-02	1.282161e-02
	C13-15	2.249885e-01	7.525350e-03	5.054655e-04	5.087757e-03
	C16	8.681278e-02	5.893670e-02	8.898497e-04	3.985592e-02
	C17	4.195448e-02	4.670195e-02	3.217917e-04	2.676112e-02
	C18	1.319101e-02	3.051956e-03	9.270385e-05	1.339318e-02
	C19	1.177938e+01	3.486992e+00	1.148963e-02	4.253615e+00
	C24	2.187771e-02	1.589216e-03	5.403402e-05	9.350322e-01
	C20-21	1.165986e+00	2.347523e-01	9.891102e-04	2.804099e-01
	C22	4.709663e-01	1.117547e-02	1.151782e-03	2.608415e-01
	C23	6.292183e-02	1.478994e-03	3.000478e-03	9.341133e-02
	C25_33	2.832573e-01	1.886001e-02	2.549440e-04	1.283861e-01
	C25	2.053824e-01	9.276374e-02	1.029562e-03	8.610771e-02
	C26	1.156812e-01	5.589483e-02	5.039659e-04	1.980222e-02
	C27	1.165350e+00	6.163189e-01	6.743610e-03	4.437916e-01
	C28_32	8.324596e-02	3.252618e-02	3.843045e-04	3.347633e-02
	C29	1.737475e-01	6.005770e-02	7.556229e-04	6.703617e-02
	C30	1.177176e-02	4.080486e-03	4.963201e-05	5.054361e-03
	C31	3.399522e-01	6.946259e-02	4.906572e-04	6.986515e-02
	E37-39	1.208173e-02	5.001644e-03	1.442120e-04	1.842532e-02

	D35	2.042173e-02	6.845285e-03	2.228220e-04	1.759415e-02
	E36	2.313596e-03	1.384123e-04	4.006978e-05	5.765237e-04
	F	1.146698e-01	6.901256e-02	3.252553e-03	1.981487e-01
	G45	4.341984e-02	8.008910e-03	5.209163e-04	2.281176e-02
	G47	1.095456e-01	6.704482e-03	1.339996e-03	4.973686e-02
	G46	1.379932e+00	5.751074e-02	1.913953e-03	2.199567e-01
	I	7.860314e-02	1.571427e-02	1.688839e-03	1.090066e-01
	H49	2.807222e+00	5.550170e-01	5.038776e-02	1.813798e+00
	H50	1.265576e-02	2.573986e-03	3.615749e-04	8.572345e-02
	H51	5.150415e-03	2.105038e-03	1.693649e-04	1.110085e-02
	H52	7.488395e-01	2.013785e-01	8.288402e-03	2.002275e+00
	H53	5.222720e-02	7.080942e-03	4.947827e-04	3.907755e-02
	K64	1.675775e-01	1.436888e-02	4.486800e-04	3.335806e-02
	K65	1.254308e-03	1.874314e-04	1.974784e-05	1.148938e-03
	K66	2.202930e-04	7.663946e-05	7.714726e-06	9.318336e-04
	L68	3.360663e-02	5.398068e-03	2.040052e-04	1.905765e-02
	M_N	5.113409e-01	9.174953e-02	4.234878e-03	5.784400e-01
	J62_63	1.820121e-02	7.202976e-03	2.588433e-04	2.354986e-02
	O84	1.608938e-02	4.267940e-03	1.778463e-04	3.446440e-02
	P85	7.994289e-04	2.316292e-04	1.763612e-05	2.270963e-03
	R_S	5.927262e-03	6.739347e-04	4.669650e-05	5.415371e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
IE	A01	1.974692e-01	1.338621e-04	1.418935e-05	5.178635e-04
	A02	1.946390e-05	1.091554e-06	2.088762e-07	8.081458e-06
	A03	3.997264e-05	4.994546e-07	1.616021e-02	1.582223e-06
	B_nongas	1.138024e-04	2.028432e-06	7.112890e-06	2.406660e-05
	B_gas	1.138305e-06	2.269003e-07	2.997888e-08	1.749351e-06
	C10-12	1.858972e+00	4.277109e-03	1.993997e-02	3.630658e-02
	C13-15	6.172490e-03	1.427653e-04	1.229636e-05	1.585678e-03
	C16	1.445060e-02	2.653593e-04	5.824886e-05	7.816895e-03
	C17	1.292127e-02	1.000725e-02	7.586525e-05	8.211993e-03
	C18	1.551766e-02	3.778634e-03	3.639152e-04	2.837067e-02
	C19	9.546800e-03	1.202193e-03	1.248975e-05	5.656382e-03
	C24	7.003603e-04	5.595040e-05	7.303122e-07	6.272681e-03
	C20-21	1.333255e+00	3.036307e-02	7.809411e-04	1.259926e+00
	C22	5.444543e-01	4.719409e-03	1.294412e-03	3.138499e-01
	C23	3.169189e-02	1.286882e-03	7.585636e-04	4.788453e-03
	C25_33	7.666867e-02	3.236897e-03	6.930797e-05	9.209738e-03
	C25	1.760975e-02	1.857912e-03	2.687035e-05	8.219981e-03
	C26	2.909188e-01	1.383713e-01	1.205816e-03	3.952497e-02
	C27	3.231330e-01	1.787219e-01	1.947125e-03	1.243907e-01
	C28_32	8.566821e-02	2.180321e-02	2.370166e-04	6.391219e-02
	C29	1.573367e-03	6.360951e-04	6.764746e-06	5.137033e-04
	C30	2.761374e-03	1.222660e-03	4.196557e-05	8.446631e-04
	C31	3.137166e-02	5.957093e-03	4.179990e-05	6.790540e-03
	E37-39	8.061613e-03	8.593630e-04	1.761998e-05	3.213175e-03
	D35	6.595379e-07	1.314668e-07	1.736987e-08	1.013580e-06

IT	E36	9.782917e-07	1.103867e-07	4.442724e-09	5.363992e-07
	F	8.518597e-03	7.158067e-03	4.257659e-04	2.517074e-02
	G45	4.094296e-03	1.453319e-03	7.820009e-05	1.329233e-03
	G47	4.998913e-03	1.433648e-03	3.225570e-04	1.913373e-03
	G46	6.433148e-02	1.674658e-02	1.563845e-03	8.026642e-02
	I	2.631317e-02	5.626634e-03	6.093833e-04	3.903844e-02
	H49	5.321807e-02	1.029776e-02	8.764895e-04	3.778883e-02
	H50	2.137256e-03	4.336647e-04	6.145381e-05	1.320827e-02
	H51	1.482201e-02	7.613609e-03	7.802023e-04	3.054159e-02
	H52	1.850090e-02	5.042027e-03	2.037077e-04	4.115921e-02
	H53	1.901926e-02	1.498227e-03	2.664221e-04	1.827721e-02
	K64	1.031951e+00	9.361315e-02	3.040009e-03	2.402579e-01
	K65	2.932756e-02	4.007929e-03	3.711455e-04	3.295027e-02
	K66	3.837699e-04	1.343610e-04	1.354766e-05	1.646111e-03
	L68	4.601241e-03	8.576114e-04	9.084507e-05	9.962343e-03
	M_N	5.289592e-01	9.201864e-02	4.529751e-03	6.617217e-01
	J62_63	7.914665e-03	1.485442e-02	2.447562e-04	1.136156e-01
	O84	3.826010e-05	1.126766e-05	6.522048e-07	2.901748e-05
	P85	1.323751e-04	1.029058e-04	1.598198e-05	2.757048e-03
	R_S	1.642813e-03	1.460829e-04	1.866645e-05	1.480137e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.617974e+01	4.703767e-04	1.131738e-03	2.314042e-03
	A02	1.152042e-04	4.357767e+00	0.000000e+00	1.727310e-04
	A03	0.000000e+00	0.000000e+00	1.671964e-01	0.000000e+00
	B_nongas	1.694204e-01	1.648187e-02	1.568041e-03	6.906479e-01
	B_gas	6.362191e-03	2.534306e-04	6.218344e-05	3.050518e-03
	C10-12	8.066129e+00	1.386369e-02	6.422255e-02	7.345398e-03
	C13-15	1.185748e+00	5.135002e-02	2.746379e-03	3.482498e-02
	C16	1.292891e-01	1.419273e-02	9.503094e-04	5.301484e-02
	C17	2.382495e-01	2.822267e-01	1.841502e-03	1.554361e-01
	C18	1.830330e-02	1.679072e-02	1.309049e-04	1.554610e-02
	C19	7.497029e+00	2.224141e+00	9.486700e-03	3.510979e+00
	C24	3.629406e-01	1.073775e-01	5.500767e-04	2.748014e+00
	C20-21	1.077150e-01	1.233904e-02	4.337909e-04	4.028165e-01
	C22	7.173866e-01	2.000974e-02	1.800763e-03	4.037121e-01
	C23	2.988332e-01	1.379490e-02	1.506234e-02	3.383408e-01
	C25_33	5.496256e-01	8.684345e-02	1.002755e-03	3.505404e-01
	C25	4.463092e-01	1.821700e-01	1.857179e-03	2.125776e-01
	C26	7.691526e-02	4.152381e-02	4.460777e-04	2.712616e-02
	C27	2.367824e+00	1.310014e+00	1.426831e-02	9.119966e-01
	C28_32	1.227452e-01	5.340591e-02	5.616241e-04	4.328083e-02
	C29	6.457111e-02	1.812281e-02	2.240989e-04	2.201658e-02
	C30	5.009917e-02	2.146830e-02	2.257630e-04	1.677403e-02
	C31	1.091807e+00	2.284114e-01	1.578015e-03	2.442915e-01
	E37-39	5.598331e-03	2.138401e-03	2.280859e-05	2.322582e-03
	D35	9.564272e-02	5.330262e-02	5.848713e-04	3.717321e-02
	E36	1.942456e-02	1.082577e-02	1.189607e-04	7.553866e-03

	F	2.957830e-02	2.075590e-02	1.263348e-03	8.477294e-02
	G45	1.540537e-02	6.877198e-04	6.307115e-05	1.064237e-02
	G47	6.606197e+00	2.664106e-02	1.201695e-02	7.356297e-02
	G46	2.799786e-01	2.456655e-02	4.112026e-03	1.204732e-01
	I	1.979130e-01	4.302478e-02	4.566428e-03	2.916882e-01
	H49	6.867764e-01	1.431655e-01	1.144792e-02	4.855949e-01
	H50	8.846942e-03	2.026315e-03	2.114968e-04	4.453260e-02
	H51	9.678801e-03	5.145705e-03	4.385292e-04	1.706428e-02
	H52	1.916770e-01	4.996863e-02	2.328956e-03	3.552543e-01
	H53	3.713477e-02	6.716443e-03	4.858188e-04	3.258384e-02
	K64	8.143764e-02	7.003828e-03	2.189177e-04	1.647614e-02
	K65	1.038558e-02	1.553368e-03	1.629459e-04	9.531923e-03
	K66	9.362852e-04	1.773469e-04	1.390975e-05	2.169343e-03
	L68	6.355568e-03	1.386266e-03	1.128231e-04	1.229327e-02
	M_N	3.390800e-01	4.560904e-02	2.518289e-03	4.873200e-01
	J62_63	1.940461e-02	1.113906e-02	1.341164e-04	2.631083e-02
	O84	1.484316e-03	4.048146e-05	5.341848e-06	1.016053e-03
	P85	3.506909e-03	1.910282e-03	2.705180e-05	1.909065e-03
	R_S	1.451946e-02	1.967167e-03	7.007233e-05	5.153835e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
LT	A01	7.219873e-01	3.891704e-05	1.894341e-05	2.079559e-04
	A02	1.534212e-03	1.910464e-02	6.490401e-06	2.954656e-04
	A03	2.226639e-04	3.789953e-05	3.285963e-06	1.529804e-04
	B_nongas	4.985426e-02	4.523682e-03	4.362533e-06	3.743875e-03
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	2.410373e-01	4.035460e-04	1.371028e-03	1.155216e-03
	C13-15	5.146698e-03	4.420063e-04	9.806852e-06	4.135207e-04
	C16	1.804951e-02	1.582576e-03	1.637116e-04	7.818752e-03
	C17	1.758285e-03	1.879503e-03	1.446389e-05	1.120903e-03
	C18	4.334156e-04	1.389795e-04	3.650225e-06	7.571322e-04
	C19	1.270388e-02	3.559873e-03	2.717342e-05	7.842806e-03
	C24	5.136135e-04	9.823634e-05	8.210089e-07	1.085630e-04
	C20-21	2.316411e+00	4.023393e-03	1.450029e-04	1.827985e-02
	C22	4.514353e-02	9.747266e-05	1.010502e-04	2.483511e-02
	C23	3.929967e-03	4.382007e-05	3.123784e-04	9.279199e-04
	C25_33	7.336373e-03	7.272678e-04	2.089994e-05	2.493523e-03
	C25	4.437402e-03	1.814132e-03	2.094684e-05	1.876775e-03
	C26	3.910335e-06	1.675050e-06	3.129580e-08	3.094654e-06
	C27	2.804877e-02	1.540224e-02	1.674995e-04	1.067907e-02
	C28_32	1.427667e-03	7.289651e-04	7.805193e-06	5.311700e-04
	C29	1.716976e-04	7.789049e-06	3.917547e-07	7.739766e-05
	C30	2.083749e-03	4.503639e-04	3.009456e-06	4.250089e-04
	C31	6.902015e-02	1.431281e-02	1.029441e-04	1.410334e-02
	E37-39	7.835905e-04	1.523311e-04	3.448242e-06	7.290899e-04
	D35	9.313344e-06	2.294701e-06	2.055075e-07	1.613705e-05
	E36	1.524494e-06	2.462091e-07	3.547355e-08	1.120707e-06
	F	5.831717e-03	1.074761e-04	8.282221e-06	6.198888e-04

	G45	1.349767e-03	1.573962e-04	9.392847e-06	2.051449e-03
	G47	3.306871e-02	6.893732e-03	1.864585e-04	2.261105e-02
	G46	3.862385e-02	6.795590e-03	2.505668e-04	3.544118e-02
	I	1.974150e-03	3.448669e-04	3.957990e-05	2.482201e-03
	H49	1.421194e-01	2.805584e-02	2.353386e-03	1.080410e-01
	H50	8.779843e-04	1.781494e-04	2.524521e-05	5.169364e-03
	H51	5.156148e-04	2.649492e-04	2.581128e-05	1.116263e-03
	H52	8.458006e-02	2.284863e-02	9.324104e-04	1.863013e-01
	H53	5.477059e-03	1.278755e-03	3.307229e-05	3.423239e-03
	K64	1.398968e-02	1.199798e-03	3.733947e-05	2.783254e-03
	K65	1.998487e-04	2.993520e-05	3.135289e-06	1.834752e-04
	K66	5.739250e-06	2.059316e-06	2.028006e-07	2.496269e-05
	L68	3.720488e-03	4.086189e-04	2.219352e-05	4.617973e-03
	M_N	3.824467e-02	5.444521e-03	2.313066e-04	4.972751e-02
	J62_63	2.086422e-04	5.566357e-05	1.848074e-06	5.277734e-04
	O84	6.417067e-04	5.706502e-05	1.833075e-06	1.356725e-04
	P85	1.170948e-05	3.593420e-06	3.082472e-07	2.935591e-05
	R_S	6.892505e-04	7.708134e-05	4.517383e-06	9.874535e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
LU	A01	2.698434e-02	2.674769e-06	4.165796e-06	1.092262e-05
	A02	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	2.266555e-04	1.387574e-05	8.777180e-07	7.024404e-02
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	7.033008e-03	1.751780e-04	1.073224e-04	1.723624e-03
	C13-15	9.117724e-03	1.745071e-04	1.854835e-05	3.622963e-04
	C16	2.576166e-03	1.384000e-04	2.883970e-05	1.250459e-03
	C17	1.477073e-03	1.610568e-03	1.235685e-05	2.509621e-03
	C18	1.012311e-04	2.839487e-05	1.223434e-06	1.221561e-02
	C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C24	1.694355e-03	9.805063e-05	5.630601e-06	6.243696e-02
	C20-21	3.294524e-05	7.771966e-06	5.357294e-07	3.399778e-05
	C22	6.222440e-02	1.633778e-04	1.529138e-04	3.598834e-02
	C23	5.016507e-03	9.719826e-05	8.718586e-05	1.094205e-03
	C25_33	2.209844e-02	2.298763e-03	1.811918e-05	1.590500e-03
	C25	1.452764e-03	1.052486e-04	5.335197e-06	9.664917e-04
	C26	2.346621e-05	3.156485e-06	1.507849e-07	3.685077e-05
	C27	1.858345e-05	8.431961e-06	5.506858e-07	5.608283e-05
	C28_32	4.628827e-03	1.993169e-03	2.385644e-05	1.734838e-03
	C29	0.000000e+00	0.000000e+00	0.000000e+00	1.259892e-02
	C30	7.198282e-04	6.048672e-06	1.387900e-07	2.380523e-06
	C31	1.056676e-06	2.083521e-07	2.282853e-08	9.476414e-07
	E37-39	6.019400e-04	8.676711e-05	4.415414e-06	2.768323e-04
	D35	1.898926e-02	2.189537e-03	9.295435e-05	3.233527e-02
	E36	4.484510e-05	1.993239e-05	7.826448e-07	1.811031e-05
	F	6.790762e-03	5.794415e-03	3.502136e-04	2.107553e-02
	G45	6.658203e-04	1.577437e-04	1.295475e-05	2.684965e-04

	G47	1.104159e-02	2.250180e-03	5.443038e-04	1.031318e-02
	G46	3.292542e-02	6.718253e-03	7.719027e-04	4.917831e-02
	I	3.983915e-03	8.506448e-04	9.116240e-05	5.878859e-03
	H49	4.516470e-02	1.062883e-02	8.086975e-04	4.420099e-02
	H50	6.180883e-04	1.650529e-04	7.670534e-06	1.567782e-03
	H51	1.650791e-02	4.755873e-03	2.581735e-04	3.174674e-02
	H52	2.086068e-02	5.576496e-03	2.294171e-04	4.598272e-02
	H53	3.384091e-03	3.172810e-04	4.025530e-05	3.438533e-03
	K64	2.285676e+00	1.958472e-01	6.098092e-03	4.533645e-01
	K65	4.836099e-02	7.199257e-03	7.582409e-04	4.406091e-02
	K66	4.531629e-04	1.586560e-04	1.599734e-05	1.943760e-03
	L68	5.056917e-03	1.825640e-04	6.159441e-05	1.707290e-03
	M_N	4.432221e-02	1.002677e-02	4.630745e-04	5.190293e-02
	J62_63	7.359923e-04	1.106909e-03	2.061081e-05	8.488740e-03
	O84	1.370583e-04	5.177558e-05	3.150014e-06	1.910134e-04
	P85	1.261711e-04	9.201109e-05	1.442807e-05	1.651889e-03
	R_S	4.909508e-03	4.596861e-04	5.673695e-05	4.490081e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
LV	A01	1.394866e-01	1.530678e-05	2.799814e-05	8.427357e-05
	A02	2.017796e-04	5.305092e-02	2.373692e-06	1.339658e-04
	A03	2.039582e-04	7.306478e-07	2.310738e-06	7.096072e-07
	B_nongas	1.124282e-01	4.835251e-03	7.472930e-05	1.256320e-01
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	1.285704e-01	2.418680e-04	9.704555e-04	1.912029e-04
	C13-15	8.203126e-03	1.404241e-04	4.520890e-06	1.251208e-04
	C16	1.680097e-02	1.236912e-03	1.427688e-04	7.975212e-03
	C17	8.089583e-05	9.727259e-05	6.402508e-07	5.327825e-05
	C18	5.205842e-05	1.576887e-05	5.325052e-07	1.412489e-04
	C19	3.324581e-07	6.413556e-08	7.471598e-09	4.370769e-07
	C24	1.028905e-04	2.151971e-05	3.758049e-07	8.079261e-03
	C20-21	1.121260e-02	2.311095e-05	1.429158e-06	9.954051e-05
	C22	2.179055e-03	3.578911e-06	5.179853e-06	1.251363e-03
	C23	2.173216e-03	1.018840e-04	3.607745e-05	2.114793e-03
	C25_33	6.235905e-03	6.980022e-05	1.773432e-06	1.842898e-04
	C25	1.184925e-03	4.297030e-05	4.281515e-07	9.220626e-05
	C26	3.096370e-03	1.353756e-03	1.137871e-05	3.089334e-04
	C27	2.751885e-03	1.227095e-03	1.345750e-05	8.667256e-04
	C28_32	7.690667e-05	4.007283e-07	2.727607e-08	2.662612e-06
	C29	8.563737e-05	3.233876e-07	1.353523e-08	1.687913e-05
	C30	4.743415e-05	1.072345e-05	1.058025e-07	1.856041e-05
	C31	2.260054e-02	4.765199e-03	3.061272e-05	4.524627e-03
	E37-39	6.478678e-04	9.056519e-05	4.052083e-06	9.177936e-04
	D35	2.512018e-04	5.149667e-05	2.223298e-06	3.393368e-04
	E36	2.310635e-05	2.492000e-06	6.103013e-09	9.173747e-06
	F	2.589029e-03	1.844796e-04	1.650934e-05	3.439045e-03
	G45	1.614614e-04	3.575680e-05	2.053220e-06	2.049377e-04
	G47	3.152101e-03	1.317707e-04	3.412036e-05	6.625513e-04

	G46	2.976340e-03	3.983246e-04	4.416957e-05	4.410164e-03
	I	2.556574e-03	1.971030e-04	3.958860e-05	1.347046e-03
	H49	7.859519e-02	1.560262e-02	1.547544e-03	4.361562e-02
	H50	3.270694e-03	6.640830e-04	9.387797e-05	2.020156e-02
	H51	7.509312e-04	4.152397e-04	4.246369e-05	1.611039e-03
	H52	2.937860e-02	7.990641e-03	3.250464e-04	6.506188e-02
	H53	2.378347e-05	9.360725e-06	1.348190e-07	7.873285e-06
	K64	9.456511e-05	8.102745e-06	2.522916e-07	1.875651e-05
	K65	4.763866e-03	7.091652e-04	7.469074e-05	4.340028e-03
	K66	5.584799e-06	1.955283e-06	1.971518e-07	2.395498e-05
	L68	3.079785e-04	3.159568e-05	3.182507e-06	3.543428e-04
	M_N	1.239099e-02	1.932677e-03	1.083484e-04	1.908610e-02
	J62_63	2.071177e-05	5.798048e-05	9.169475e-07	4.366202e-04
	O84	5.350881e-08	1.575843e-08	9.121436e-10	4.058251e-08
	P85	3.436990e-07	1.830025e-07	2.599006e-08	4.982944e-06
	R_S	1.461101e-04	2.183634e-05	9.216973e-07	1.683638e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
MT	A01	6.829969e-03	4.210382e-07	1.073126e-07	1.965241e-05
	A02	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.224580e-05	9.177718e-06	5.259834e-07	3.074771e-05
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	6.829517e-04	1.653049e-05	8.102460e-06	1.277272e-04
	C13-15	4.571238e-04	1.656393e-05	6.688137e-07	6.416869e-05
	C16	1.680556e-04	3.531532e-05	2.290155e-07	3.371256e-05
	C17	2.467150e-05	2.743406e-05	2.370761e-07	1.841917e-05
	C18	4.053397e-06	1.017881e-06	6.339252e-08	5.440525e-06
	C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C20-21	6.058306e-03	1.567654e-05	1.537853e-06	1.743466e-04
	C22	4.722760e-04	4.171804e-05	2.168326e-06	2.904440e-04
	C23	7.219035e-05	3.586247e-05	2.731615e-06	1.642833e-04
	C25_33	9.153645e-05	1.203013e-05	7.781311e-07	5.173577e-05
	C25	4.701652e-06	8.065821e-07	2.890216e-09	3.710989e-06
	C26	2.592131e-04	1.212755e-04	1.014843e-06	2.780784e-05
	C27	1.792129e-02	9.959864e-03	1.083967e-04	6.888135e-03
	C28_32	2.927450e-04	1.211490e-04	1.409600e-06	8.800017e-05
	C29	2.672342e-06	5.049672e-07	5.512605e-08	5.232573e-06
	C30	8.334063e-06	5.885963e-06	3.542090e-07	2.304778e-05
	C31	1.318641e-02	2.791022e-03	1.884537e-05	2.714395e-03
	E37-39	6.471942e-04	6.979198e-05	1.688260e-06	2.447697e-04
	D35	1.174892e-06	9.806985e-07	4.851554e-08	4.377989e-06
	E36	2.995928e-06	2.763713e-06	1.618448e-07	1.078893e-05
	F	9.250363e-03	6.447007e-03	3.924080e-04	2.651573e-02
	G45	5.483075e-04	1.268511e-04	1.105017e-05	2.646638e-04
	G47	1.304977e-03	3.664954e-04	5.212718e-05	7.992723e-04
	G46	9.159090e-03	1.873571e-03	2.309963e-04	1.448990e-02

I	6.150329e-03	1.493062e-03	1.405900e-04	9.596540e-03
H49	9.808838e-03	1.940106e-03	1.701842e-04	6.600797e-03
H50	4.895412e-04	9.986006e-05	1.345134e-05	2.815706e-03
H51	9.198849e-04	4.493473e-04	4.229766e-05	1.996684e-03
H52	8.410765e-03	2.836621e-03	1.145838e-04	1.286977e-02
H53	6.618377e-03	5.475943e-04	9.383333e-05	6.455293e-03
K64	1.613849e+00	1.382875e-01	4.306111e-03	3.202343e-01
K65	3.117385e-03	4.663396e-04	4.890469e-05	2.856846e-03
K66	1.671399e-03	1.944213e-04	1.110146e-05	1.769027e-03
L68	3.733919e-03	2.344205e-03	1.525825e-04	1.054727e-02
M_N	2.344359e-01	2.940164e-02	1.174661e-03	1.225995e-01
J62_63	3.253136e-04	5.303508e-04	1.056099e-05	3.571284e-03
O84	1.049501e-03	5.585671e-04	3.413054e-05	2.318670e-03
P85	7.103318e-04	4.173366e-04	5.950703e-05	6.919240e-03
R_S	3.948797e-03	3.585145e-04	3.649014e-05	3.591877e-03
T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
NL A01	3.377345e+01	2.540211e-04	4.935583e-05	1.593475e-03
A02	3.527319e-05	9.400681e-01	1.158685e-07	6.003049e-05
A03	7.732014e-03	1.463404e-05	2.546602e-02	2.021246e-05
B_nongas	1.743374e-03	2.271782e-04	1.585934e-05	9.774684e-03
B_gas	2.444496e-04	2.165516e-05	2.047670e-06	1.839698e-03
C10-12	5.186913e+00	5.413726e-03	3.361851e-02	7.702352e-03
C13-15	6.358943e-02	2.403381e-03	1.123109e-04	1.602367e-03
C16	2.029280e-02	2.282639e-03	1.911846e-04	9.326892e-03
C17	6.538829e-02	7.613157e-02	5.023503e-04	4.329087e-02
C18	6.737585e-03	3.073469e-03	4.978749e-05	9.800294e-03
C19	3.270059e-01	9.276510e-02	6.156873e-04	2.153006e-01
C24	4.284738e-03	5.045580e-04	1.528048e-05	4.182683e-02
C20-21	7.321810e-01	1.510984e-02	4.469348e-04	6.048308e-02
C22	3.255413e-01	1.158724e-03	7.668643e-04	1.859351e-01
C23	2.694228e-02	3.154845e-04	1.662766e-03	6.891561e-03
C25_33	1.634661e-01	9.992948e-03	1.048384e-04	1.192896e-02
C25	7.290727e-02	2.521696e-02	2.456404e-04	3.108064e-02
C26	1.343316e-02	6.009971e-03	5.627505e-05	2.269930e-03
C27	4.414264e-01	2.415050e-01	2.671488e-03	1.791625e-01
C28_32	6.538366e-02	2.825839e-02	3.099288e-04	2.626802e-02
C29	1.033098e-02	2.383713e-03	2.412480e-05	2.659020e-03
C30	6.629739e-02	1.364258e-02	8.908158e-05	1.408582e-02
C31	7.824701e-01	9.443392e-02	5.144620e-04	7.527539e-02
E37-39	1.688268e-02	3.654270e-04	1.592784e-04	7.060557e-03
D35	4.829143e-04	6.988484e-05	3.726732e-06	7.323489e-04
E36	7.592888e-06	1.977553e-06	7.891471e-08	1.785704e-05
F	3.676460e-02	2.391453e-02	1.094175e-03	7.222989e-02
G45	2.585463e-02	4.822758e-03	2.406011e-04	3.284042e-02
G47	6.526095e-02	1.154094e-02	3.313239e-04	3.641643e-02
G46	2.701454e-01	7.155210e-02	1.432888e-03	1.525551e-01
I	1.814812e-02	3.789268e-03	3.895168e-04	2.692264e-02

	H49	4.114886e-01	8.084466e-02	7.155612e-03	2.889640e-01
	H50	3.134452e-02	6.419051e-03	8.412965e-04	1.624327e-01
	H51	4.856846e-02	1.858686e-02	5.742938e-04	3.198852e-02
	H52	1.781305e-01	4.564842e-02	2.030312e-03	3.261786e-01
	H53	6.803404e-02	5.856347e-03	8.971499e-04	7.125555e-02
	K64	9.062311e-02	9.555235e-03	3.245191e-04	2.369995e-02
	K65	2.865780e-02	3.610610e-03	2.806816e-04	3.834352e-02
	K66	2.986348e-03	3.901686e-04	2.488072e-05	5.132605e-03
	L68	3.938430e-03	1.241537e-03	1.004952e-04	9.232792e-03
	M_N	7.780893e-01	1.018966e-01	5.757855e-03	1.175384e+00
	J62_63	9.965067e-03	4.228412e-03	7.573989e-05	2.096233e-02
	O84	1.765729e-01	2.687401e-03	1.372661e-04	3.204167e-02
	P85	2.946999e-03	4.086403e-04	2.551986e-05	1.267086e-02
	R_S	4.271398e-02	1.276479e-02	2.164843e-04	2.515853e-02
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
PL	A01	4.152110e+00	1.952783e-04	5.514696e-05	9.065534e-04
	A02	8.639454e-02	2.624896e+00	1.291788e-03	5.159080e-04
	A03	2.326915e-04	6.722601e-06	4.076963e-02	1.348299e-05
	B_nongas	1.745756e-02	1.204277e-03	9.369843e-05	2.178756e-01
	B_gas	3.401153e-05	3.628416e-06	1.272281e-07	1.973885e-04
	C10-12	4.098614e+00	4.736618e-03	1.828651e-02	8.852324e-02
	C13-15	2.283559e-01	1.210752e-02	4.338908e-04	1.405167e-02
	C16	1.295733e-01	1.306270e-02	9.443524e-04	4.913773e-02
	C17	1.182100e-01	1.143022e-01	7.624659e-04	6.940044e-02
	C18	1.925149e-02	9.200865e-03	1.577715e-04	3.499764e-02
	C19	6.267674e-01	9.784570e-02	1.164853e-03	7.016636e-01
	C24	1.141113e-01	1.712334e-02	1.944784e-04	6.446722e-01
	C20-21	6.267764e+00	3.201936e-02	1.612757e-03	9.424519e-01
	C22	5.543401e-01	1.044157e-02	1.342575e-03	3.021460e-01
	C23	1.886862e-01	6.734134e-03	1.085712e-02	3.816548e-02
	C25_33	3.267479e-01	7.533271e-02	8.419781e-04	1.138493e-01
	C25	1.451176e-01	5.626639e-02	6.343184e-04	6.216590e-02
	C26	3.467516e-03	1.818531e-03	1.934997e-05	1.125628e-03
	C27	2.359455e+00	1.310685e+00	1.431103e-02	9.084596e-01
	C28_32	4.831284e-02	2.326916e-02	2.511007e-04	1.719769e-02
	C29	2.422701e-01	1.113204e-01	1.233652e-03	9.040540e-02
	C30	2.301544e-02	1.347531e-02	9.366655e-05	7.668029e-03
	C31	1.105226e+00	2.309978e-01	1.523617e-03	2.230350e-01
	E37-39	1.218715e-02	9.420965e-04	3.344967e-05	7.926475e-03
	D35	2.164785e-02	4.615932e-03	7.877630e-05	2.446379e-02
	E36	5.564571e-04	7.176190e-05	3.946524e-06	3.333087e-04
	F	1.621652e-01	8.986208e-02	2.309787e-03	1.469889e-01
	G45	1.173563e-02	3.241156e-03	9.217041e-05	5.917648e-03
	G47	7.047096e-01	1.119906e-01	2.689199e-03	2.214690e-01
	G46	1.648995e+00	1.698850e-01	5.096906e-03	4.978927e-01
	I	2.378425e-02	4.059300e-03	4.434411e-04	2.832449e-02
	H49	1.257499e+00	2.479298e-01	2.112067e-02	8.962676e-01

	H50	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	H51	1.960858e-02	9.129656e-03	3.440716e-04	1.731798e-02
	H52	3.723153e-01	9.956751e-02	4.023569e-03	7.901984e-01
	H53	2.252078e-02	1.909733e-03	1.452114e-04	1.215407e-02
	K64	2.097420e-01	1.813133e-02	5.807261e-04	4.241852e-02
	K65	1.159363e-01	1.725896e-02	1.817750e-03	1.056242e-01
	K66	2.661136e-02	1.207300e-02	4.782900e-04	9.900447e-03
	L68	6.417211e-03	1.164881e-03	8.880467e-05	8.322942e-03
	M_N	3.553092e-01	7.777084e-02	3.203654e-03	3.789105e-01
	J62_63	3.948175e-03	2.503170e-03	3.742409e-05	7.791331e-03
	O84	4.613094e-05	1.249412e-05	6.660976e-07	1.229356e-04
	P85	8.101084e-03	8.275940e-05	5.352621e-06	8.356500e-04
	R_S	2.682274e-02	1.056652e-03	2.929418e-04	6.809916e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
PT	A01	4.961490e-01	7.148532e-05	1.011438e-04	5.488562e-05
	A02	2.343165e-05	2.385492e-02	2.003116e-07	1.198021e-05
	A03	9.346406e-05	1.220735e-06	7.686381e-04	1.131101e-05
	B_nongas	1.192745e-03	1.064894e-04	9.280793e-06	4.564126e-03
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	4.266179e-01	8.302268e-04	3.936560e-03	1.509917e-03
	C13-15	7.966016e-02	3.058487e-03	1.645104e-04	1.817413e-03
	C16	9.511317e-03	5.565319e-04	1.025136e-04	4.551939e-03
	C17	6.040426e-03	7.208019e-03	4.766175e-05	3.936698e-03
	C18	2.803848e-03	1.391784e-03	2.602148e-05	5.775875e-03
	C19	7.406686e-04	2.185588e-04	5.109378e-06	9.972320e-04
	C24	5.387995e-04	1.653393e-04	2.015228e-06	1.435265e-02
	C20-21	1.314272e-03	5.728991e-04	8.089998e-06	5.985957e-04
	C22	5.893960e-02	1.572773e-04	1.375734e-04	3.376079e-02
	C23	6.132922e-03	8.773351e-05	2.519251e-04	9.754590e-04
	C25_33	5.204584e-02	8.620712e-03	9.395785e-05	6.601918e-03
	C25	1.440595e-02	4.774690e-03	4.441307e-05	4.815822e-03
	C26	9.436729e-04	4.400977e-04	3.781425e-06	1.042797e-04
	C27	4.867318e-01	2.708600e-01	2.944746e-03	1.871695e-01
	C28_32	1.146833e-02	5.185783e-03	5.350370e-05	3.927530e-03
	C29	5.137890e-03	5.369766e-04	5.341432e-06	8.484108e-04
	C30	4.730397e-03	2.407298e-03	2.623454e-05	1.707232e-03
	C31	5.503599e-02	1.145690e-02	7.473228e-05	1.095046e-02
	E37-39	9.831719e-04	1.360079e-04	1.373501e-06	1.104604e-03
	D35	1.089974e-03	5.517933e-04	7.385974e-06	4.980969e-04
	E36	2.874198e-04	6.490289e-05	1.256103e-06	1.571475e-04
	F	2.425650e-02	1.364395e-02	4.290212e-04	2.675414e-02
	G45	5.467598e-04	1.343502e-04	9.287256e-06	5.018807e-04
	G47	2.006564e-02	5.831916e-04	2.550615e-04	5.332752e-03
	G46	6.723910e-02	2.672235e-02	5.566034e-04	2.297792e-02
	I	1.059097e-02	2.152859e-03	2.369299e-04	1.433129e-02
	H49	6.797663e-02	1.320264e-02	1.125592e-03	4.795567e-02
	H50	3.810938e-04	7.838551e-05	1.084060e-05	2.279225e-03

R0	H51	1.548488e-02	8.082097e-03	1.114440e-04	6.582584e-03
	H52	2.460336e-02	6.764099e-03	2.755314e-04	5.469251e-02
	H53	4.900407e-03	1.523275e-03	4.786613e-05	3.463933e-03
	K64	7.220133e-02	6.189888e-03	1.930080e-04	1.436217e-02
	K65	8.555496e-04	1.274414e-04	1.342263e-05	7.821502e-04
	K66	2.147041e-05	7.504508e-06	7.571973e-07	9.186604e-05
	L68	7.767374e-04	2.904580e-04	2.242918e-05	1.911335e-03
	M_N	1.896184e-02	3.364876e-03	1.663575e-04	2.631630e-02
	J62_63	1.152502e-04	5.930865e-05	1.386772e-06	2.281707e-04
	O84	2.858862e-03	7.562203e-04	1.182714e-05	1.553140e-03
	P85	1.796181e-04	1.115168e-04	1.549821e-05	1.795887e-03
	R_S	2.289780e-03	4.781925e-04	1.617185e-05	1.166430e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.052195e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	1.396628e-05	5.282951e-01	0.000000e+00	2.094031e-05
	A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	1.269917e-03	8.596515e-05	5.680092e-06	4.710727e-02
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	5.819992e-01	5.963614e-04	4.116051e-03	1.557295e-02
	C13-15	6.505814e-01	1.755355e-02	1.341350e-03	4.630854e-03
	C16	7.378249e-02	3.955846e-03	8.257056e-04	3.579441e-02
	C17	3.540843e-02	4.273983e-02	2.772391e-04	2.318150e-02
	C18	2.107144e-04	5.910625e-05	2.546784e-06	7.575133e-04
	C19	3.904765e-01	1.092542e-01	6.514794e-04	7.654972e-01
	C24	0.000000e+00	0.000000e+00	0.000000e+00	1.328918e-01
	C20-21	1.051163e+00	6.479432e-03	1.255500e-04	3.357173e-01
	C22	1.308640e-01	1.848272e-04	3.056831e-04	7.520882e-02
	C23	1.513113e-02	0.000000e+00	8.885138e-04	1.832600e-03
	C25_33	5.767077e-02	4.846039e-04	1.111949e-05	1.907214e-04
	C25	8.145381e-03	1.160420e-03	0.000000e+00	4.293747e-03
	C26	2.414058e-02	1.128625e-02	9.437857e-05	2.517337e-03
	C27	9.982905e-01	5.559355e-01	6.042910e-03	3.840387e-01
	C28_32	1.097651e-02	4.814706e-03	4.923961e-05	3.689734e-03
	C29	9.425558e-04	0.000000e+00	0.000000e+00	0.000000e+00
	C30	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C31	9.716597e-01	2.043327e-01	1.312038e-03	1.943695e-01
	E37-39	1.746511e-03	2.128953e-04	1.623098e-07	7.851492e-04
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	2.177210e-02	1.935741e-02	1.179018e-03	7.177038e-02
	G45	7.853592e-05	1.267104e-05	1.659813e-06	2.463906e-05
	G47	1.929012e-04	4.842016e-05	1.433461e-05	4.512160e-05
	G46	4.070109e-03	8.113019e-04	1.071921e-04	6.254957e-03
	I	9.109769e-03	1.951561e-03	2.115539e-04	1.351359e-02
	H49	1.133093e+00	2.216436e-01	2.024651e-02	7.264719e-01
	H50	1.138298e-02	2.309688e-03	3.273016e-04	6.839367e-02
	H51	3.940436e-03	2.224901e-03	2.296512e-04	8.480246e-03

	H52	2.520275e-01	6.868475e-02	2.774998e-03	5.606892e-01
	H53	1.120455e-02	8.826299e-04	1.569536e-04	1.076740e-02
	K64	3.786313e-01	3.244276e-02	1.010156e-03	7.509962e-02
	K65	1.793016e-02	2.669144e-03	2.811198e-04	1.633492e-02
	K66	1.424433e-04	4.987054e-05	5.028463e-06	6.109845e-04
	L68	3.291031e-03	6.134054e-04	6.497681e-05	7.125552e-03
	M_N	4.644970e-01	5.811975e-02	3.350572e-03	6.948109e-01
	J62_63	2.712842e-04	8.189560e-04	1.242274e-05	6.166445e-03
	O84	1.159649e-05	3.415185e-06	1.976807e-07	8.795086e-06
	P85	1.702777e-05	1.408232e-05	2.243731e-06	2.592449e-04
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
SE	A01	1.509802e-01	1.948960e-04	5.179325e-06	1.849312e-03
	A02	3.981594e-04	2.389377e-03	4.627063e-06	1.902894e-04
	A03	1.000271e-06	4.655722e-07	8.347858e-03	3.309786e-07
	B_nongas	9.367728e-03	4.499944e-04	2.150133e-05	1.553028e-02
	B_gas	8.745544e-05	9.899923e-06	5.978858e-07	1.351132e-04
	C10-12	2.197124e-01	3.573977e-04	1.122637e-03	8.049852e-04
	C13-15	8.062291e-03	2.346865e-04	1.541964e-05	4.408042e-04
	C16	2.212038e-02	1.480726e-03	2.349875e-04	1.094483e-02
	C17	1.907383e-01	2.293737e-01	1.501246e-03	1.249500e-01
	C18	1.458017e-03	6.720768e-04	1.363149e-05	1.741859e-03
	C19	1.195668e-01	3.556283e-02	1.476304e-04	8.783409e-02
	C24	5.542525e-03	1.272785e-03	1.891488e-05	2.595661e-01
	C20-21	8.412173e-03	2.735474e-03	1.174343e-04	5.873159e-03
	C22	6.852084e-02	1.125313e-03	1.678372e-04	3.940576e-02
	C23	1.551876e-02	2.612253e-04	7.257078e-04	3.455602e-03
	C25_33	2.414564e-02	1.513094e-03	2.671574e-05	2.816933e-03
	C25	2.948231e-02	7.808571e-03	6.719662e-05	1.548943e-02
	C26	1.548567e-03	7.350182e-04	9.905907e-06	4.605742e-04
	C27	2.588704e-01	1.438069e-01	1.573067e-03	1.002961e-01
	C28_32	3.246735e-02	1.398085e-02	1.511254e-04	1.093251e-02
	C29	8.257813e-03	1.002315e-03	7.459625e-05	5.708436e-03
	C30	1.358718e-02	2.761341e-03	2.453944e-05	4.019770e-03
	C31	1.052096e-01	2.280054e-02	1.557853e-04	2.167470e-02
	E37-39	2.161987e-01	2.655736e-02	9.775859e-06	9.797504e-02
	D35	1.507486e-02	1.929395e-03	1.342088e-05	8.139663e-03
	E36	7.661767e-03	9.478149e-04	3.350362e-07	3.505198e-03
	F	1.355435e-02	8.433767e-03	4.073728e-04	2.851073e-02
	G45	7.880019e-03	2.186842e-03	1.183175e-04	3.690174e-03
	G47	1.250372e-02	2.595465e-03	4.182726e-04	8.361965e-03
	G46	9.538593e-02	2.363266e-02	1.846605e-03	1.065787e-01
	I	1.475578e-02	3.233879e-03	3.387340e-04	2.147737e-02
	H49	2.625619e-01	5.176046e-02	4.602695e-03	1.776909e-01
	H50	9.059413e-03	1.807244e-03	1.948469e-04	3.847960e-02
	H51	5.518589e-03	2.763088e-03	2.733416e-04	1.103577e-02
	H52	1.495977e-01	3.282636e-02	1.173068e-03	2.377329e-01

	H53	2.532683e-02	2.466045e-03	3.421088e-04	2.552069e-02
	K64	2.626172e-02	2.292128e-03	7.144290e-05	5.311596e-03
	K65	2.058787e-02	3.078900e-03	3.226130e-04	1.882739e-02
	K66	7.081342e-05	3.195456e-05	1.655902e-06	1.204624e-04
	L68	5.102447e-04	1.123907e-04	1.035153e-05	1.023434e-03
	M_N	2.047462e-01	3.033934e-02	1.641959e-03	3.012464e-01
	J62_63	2.630193e-03	1.580079e-03	3.802741e-05	8.787497e-03
	O84	1.439802e-03	2.724009e-04	1.270730e-05	2.231374e-03
	P85	1.894241e-03	1.781221e-04	1.407507e-05	1.679393e-03
	R_S	3.494643e-03	6.138355e-04	4.948875e-05	3.238580e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
SI	A01	6.530981e-01	2.299058e-04	8.448756e-04	4.846033e-04
	A02	2.682882e-03	3.082607e+01	2.169221e-05	2.294323e-03
	A03	1.845587e-05	8.150397e-06	4.975690e-03	7.946210e-05
	B_nongas	5.430991e-03	1.907109e-04	2.688520e-05	2.691999e-01
	B_gas	1.978767e-05	2.183487e-07	1.716132e-07	3.681877e-04
	C10-12	6.545520e-01	2.487293e-02	3.492723e-03	1.972887e-03
	C13-15	9.934152e-02	1.382230e-01	2.180769e-04	9.502623e-03
	C16	1.049397e-01	4.466818e+00	1.028454e-03	4.760348e-02
	C17	5.774550e-03	3.706235e-03	3.077103e-05	3.970228e-03
	C18	5.079328e-03	1.115606e-03	5.203987e-05	1.372460e-02
	C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C24	5.153463e-02	3.533791e-03	4.245037e-05	1.706505e-01
	C20-21	1.720753e+00	1.785441e-02	1.178612e-03	9.601327e-01
	C22	2.751018e-01	4.303488e-03	6.315293e-04	1.491256e-01
	C23	7.575623e-02	1.265970e-03	5.931259e-04	3.063747e-01
	C25_33	2.215013e-01	1.100793e-02	2.237611e-04	4.739758e-02
	C25	6.582438e-02	3.666143e-02	1.043480e-04	3.004070e-02
	C26	3.475648e-03	1.560164e-03	1.619550e-05	1.033420e-03
	C27	5.495123e-01	2.955840e-01	3.245908e-03	2.101745e-01
	C28_32	1.721505e-02	7.737404e-03	8.628606e-05	7.005756e-03
	C29	1.137884e-01	5.970765e-02	6.643474e-04	4.367513e-02
	C30	5.469938e-03	2.362861e-04	2.319934e-06	2.123326e-04
	C31	3.664998e-01	7.349155e-02	1.026717e-03	7.614197e-02
	E37-39	1.864002e-02	2.703336e-04	1.078772e-05	1.609199e-03
	D35	1.479097e-02	2.784997e-03	1.437139e-04	2.007480e-02
	E36	7.872788e-04	1.700530e-04	6.928495e-06	9.134730e-04
	F	6.918990e-02	3.833110e-02	2.518370e-03	1.662880e-01
	G45	6.565094e-03	1.396266e-03	1.002584e-04	5.313716e-03
	G47	6.137007e-01	2.157706e+00	2.637573e-03	3.213987e-02
	G46	7.242835e-01	1.279301e+00	6.556648e-04	5.313949e-02
	I	4.627012e-02	9.209961e-03	1.021091e-03	6.362846e-02
	H49	8.256404e-01	1.636906e-01	1.495007e-02	5.433120e-01
	H50	4.058422e-02	8.347914e-03	1.137576e-03	2.443397e-01
	H51	8.019765e-03	3.643592e-03	1.590695e-04	6.033572e-03
	H52	3.101787e-01	7.830565e-02	3.975988e-03	5.794019e-01
	H53	3.261353e-02	2.774657e-03	4.499522e-04	3.266631e-02

	K64	6.219040e-02	8.060751e-03	2.086436e-04	1.407351e-02
	K65	5.731574e-03	8.548302e-04	8.987994e-05	5.233870e-03
	K66	4.041441e-04	5.858707e-05	3.914488e-06	4.659327e-04
	L68	1.382289e-02	4.557150e-03	1.380976e-04	1.605263e-02
	M_N	2.400706e-01	2.860782e-02	1.819530e-03	2.645387e-01
	J62_63	1.172912e-03	7.346818e-04	1.199006e-05	3.243091e-03
	O84	2.728679e-02	1.524833e-04	1.509624e-05	1.195187e-03
	P85	2.971782e-02	1.247725e-02	2.805450e-05	3.601392e-03
	R_S	4.329692e-03	1.365273e-03	4.810682e-05	5.011674e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
SK	A01	3.306017e+00	5.174104e-03	2.514222e-03	6.695329e-03
	A02	4.999614e-02	1.020409e+01	2.044902e-05	1.076413e-03
	A03	4.596332e-06	8.962744e-07	1.126281e-03	3.499662e-06
	B_nongas	1.550248e-02	1.756837e-03	1.419427e-04	2.351727e-01
	B_gas	5.678621e-04	8.132556e-08	1.072456e-08	6.281755e-07
	C10-12	2.548924e+00	2.700802e-03	1.427123e-02	5.622050e-03
	C13-15	2.318083e-01	7.786826e-03	4.703759e-04	2.989775e-03
	C16	1.173707e-01	6.990761e-01	1.133394e-03	6.032791e-02
	C17	1.045234e-01	6.837511e-02	4.140453e-04	3.178836e-02
	C18	7.991933e-03	1.423863e-03	6.390398e-05	1.632163e-02
	C19	1.237596e+01	3.671110e+00	1.370398e-02	5.802608e+00
	C24	1.401598e-01	4.165891e-02	2.909011e-04	5.635583e-01
	C20-21	8.754222e-01	2.500477e-01	1.091722e-03	3.527641e-01
	C22	2.964401e-01	4.104168e-03	8.072036e-04	1.651235e-01
	C23	2.955760e-02	1.632035e-03	1.612470e-03	1.036730e-01
	C25_33	2.513588e-01	2.318119e-02	3.106274e-04	2.296369e-02
	C25	5.899018e-02	2.719311e-01	1.660862e-04	1.949914e-02
	C26	3.082823e-02	1.255791e-02	1.163995e-04	4.704287e-03
	C27	1.008710e+00	5.553962e-01	6.033045e-03	3.830613e-01
	C28_32	1.139141e-02	4.473471e-03	5.760135e-05	5.714556e-03
	C29	2.103583e-02	4.669442e-04	4.511288e-05	8.342569e-03
	C30	8.721082e-03	4.101789e-03	4.390963e-05	3.042221e-03
	C31	6.725750e-01	1.387584e-01	1.029837e-03	1.381510e-01
	E37-39	4.423837e-02	1.706369e-02	1.467449e-04	2.669256e-02
	D35	7.270772e-03	2.954936e-03	5.579759e-05	8.057326e-03
	E36	4.111165e-03	2.552805e-03	2.955239e-05	7.408740e-03
	F	1.146160e-01	5.419518e-02	2.060518e-03	1.498899e-01
	G45	2.765348e-03	6.659255e-04	4.822945e-05	4.931096e-03
	G47	6.733605e-02	1.610547e-01	1.049968e-03	4.946321e-02
	G46	9.393941e-01	2.491707e-01	1.576548e-03	1.615039e-01
	I	2.159021e-02	3.100310e-03	3.740892e-04	2.109596e-02
	H49	8.270756e-01	1.678415e-01	1.405180e-02	6.070682e-01
	H50	1.264709e-02	2.805857e-03	2.994849e-04	6.379726e-02
	H51	1.174012e-02	4.293012e-03	1.418417e-04	1.761853e-02
	H52	3.647034e-01	9.795889e-02	4.202101e-03	7.452124e-01
	H53	1.425038e-02	1.556563e-03	1.983338e-04	1.376188e-02
	K64	1.145688e-01	9.831764e-03	3.076331e-04	2.295034e-02

	K65	2.931923e-03	4.364561e-04	4.596845e-05	2.671072e-03
	K66	1.458567e-03	1.786532e-04	1.051581e-05	1.119749e-03
	L68	2.197176e-02	4.112339e-02	3.629563e-04	4.013920e-02
	M_N	4.936810e-01	1.022936e-01	3.286311e-03	4.490063e-01
	J62_63	7.439713e-03	3.165078e-03	5.950575e-05	1.927803e-02
	O84	1.251006e-02	4.344831e-02	3.140325e-05	2.488193e-03
	P85	5.806959e-03	1.983917e-02	3.329413e-05	1.962223e-03
	R_S	9.135915e-02	8.053076e-02	7.957956e-04	2.817240e-02
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
GB	A01	1.768077e+00	1.395328e-04	4.175900e-06	1.231780e-04
	A02	2.721688e-03	1.357066e-01	1.218662e-06	8.624354e-05
	A03	9.614327e-06	2.735192e-06	3.119036e-02	2.629261e-05
	B_nongas	3.459821e-01	1.355124e-03	5.275874e-03	8.620075e-03
	B_gas	9.428753e-03	1.303648e-03	8.784076e-05	1.352694e-02
	C10-12	1.355046e+00	3.063610e-03	1.082538e-02	1.060201e-01
	C13-15	7.619885e-02	3.237118e-03	1.626526e-04	2.667403e-03
	C16	3.348063e-02	4.047770e-04	4.845501e-04	3.326356e-03
	C17	5.126742e-02	4.965282e-02	3.395344e-04	2.829558e-02
	C18	4.053371e-02	1.150014e-02	2.352972e-04	4.513836e-02
	C19	4.925974e-02	1.474946e-02	6.639570e-05	2.934273e-02
	C24	1.489062e-02	4.748899e-03	4.892396e-05	1.102202e-01
	C20-21	2.308578e-02	3.534012e-03	1.459477e-04	1.333291e-02
	C22	2.979132e-01	1.060681e-02	8.670636e-04	1.625156e-01
	C23	1.118079e-01	1.604627e-03	6.259474e-03	1.659146e-02
	C25_33	4.339261e-01	1.879016e-01	1.939883e-03	1.401308e-01
	C25	4.014697e-01	2.007853e-01	2.164391e-03	1.423147e-01
	C26	1.707290e-02	6.111930e-03	6.129885e-05	3.279426e-03
	C27	3.934792e-01	2.092205e-01	2.268507e-03	1.432708e-01
	C28_32	3.493442e-02	1.402431e-02	1.485660e-04	1.185182e-02
	C29	1.541404e-01	4.584774e-02	4.343664e-04	3.754872e-02
	C30	2.566195e-01	1.070350e-01	1.108488e-03	8.157956e-02
	C31	2.832566e-01	5.726385e-02	3.966127e-04	5.695668e-02
	E37-39	4.521099e-03	7.460057e-04	2.166371e-05	3.637981e-03
	D35	5.269382e-03	9.099564e-04	4.712873e-05	8.570306e-03
	E36	2.136410e-04	5.595694e-05	3.594470e-06	3.531977e-04
	F	3.569537e-02	3.033665e-02	1.848220e-03	1.143615e-01
	G45	2.081080e-03	4.758018e-04	3.678039e-05	2.036958e-03
	G47	1.625441e-02	3.499167e-03	3.663635e-04	2.118322e-02
	G46	5.576989e-02	8.803344e-03	8.332059e-04	8.557530e-02
	I	3.645939e-02	7.870676e-03	8.414755e-04	5.425490e-02
	H49	1.699728e-01	3.354377e-02	2.940034e-03	1.138735e-01
	H50	1.765247e-02	3.633614e-03	5.057643e-04	1.081488e-01
	H51	2.310865e-02	1.304607e-02	1.339166e-03	4.961331e-02
	H52	6.954833e-02	1.961615e-02	8.009768e-04	1.516190e-01
	H53	4.730671e-02	6.533088e-03	6.278144e-04	5.147281e-02
	K64	4.971544e-01	4.299474e-02	1.341300e-03	9.956083e-02
	K65	2.046205e-02	3.097867e-03	3.222449e-04	1.903404e-02

	K66	6.182926e-03	9.776965e-04	5.595683e-05	9.966454e-03
	L68	8.538781e-03	1.508985e-03	1.496013e-04	1.744452e-02
	M_N	1.013137e+00	1.274721e-01	7.344219e-03	1.526866e+00
	J62_63	1.152161e-01	4.423714e-02	6.442650e-04	8.960629e-02
	O84	7.056537e-05	2.078162e-05	1.202900e-06	5.351867e-05
	P85	8.505841e-04	5.620284e-04	6.981026e-05	7.724594e-03
	R_S	1.695675e-02	1.886348e-03	1.549039e-04	2.140560e-02
	T	2.198531e-05	1.018842e-05	3.946768e-07	7.567540e-06
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
US	A01	3.256552e-01	2.120056e-03	6.119873e-07	4.754309e-05
	A02	8.718165e-05	7.381439e-02	0.000000e+00	2.925819e-06
	A03	0.000000e+00	0.000000e+00	3.310746e-03	0.000000e+00
	B_nongas	1.130654e-01	1.046721e-02	6.722988e-04	3.748819e-01
	B_gas	2.582558e-02	1.345206e-03	4.807650e-05	3.099893e-02
	C10-12	6.985789e-01	3.356159e-03	5.285054e-03	1.264597e-01
	C13-15	2.415380e-01	6.386115e-03	1.844445e-04	2.534995e-01
	C16	9.112650e-03	1.032516e-03	3.878370e-05	2.471623e-03
	C17	1.077613e-01	4.442239e-02	3.139500e-04	1.202296e-01
	C18	1.876405e-02	2.328384e-03	1.269370e-04	2.900845e-02
	C19	1.198339e-01	8.143049e-03	6.702636e-05	1.542832e-01
	C24	2.114637e-02	2.020375e-03	2.380460e-05	2.151908e-01
	C20-21	1.236688e+01	2.859771e-01	4.367330e-03	1.627532e+01
	C22	2.185623e-01	3.591934e-03	4.121439e-04	1.779636e-01
	C23	7.999662e-02	7.909980e-04	4.450299e-03	2.722079e-02
	C25_33	5.716288e-02	2.748938e-03	4.825328e-05	3.519395e-02
	C25	6.935454e-02	9.415748e-03	7.998941e-05	6.164305e-02
	C26	6.552512e-02	2.835375e-02	2.403285e-04	1.406632e-02
	C27	8.904591e-01	4.929686e-01	5.368216e-03	3.442690e-01
	C28_32	3.412499e-01	1.317369e-01	1.358285e-03	1.586026e-01
	C29	2.658246e-02	3.479589e-03	5.829194e-05	2.589369e-02
	C30	4.708548e-02	4.707004e-03	5.424082e-05	5.708996e-02
	C31	8.580774e-01	1.787355e-01	1.178891e-03	1.904406e-01
	E37-39	2.468732e-02	9.643081e-04	1.621881e-05	3.240185e-02
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	4.217708e-03	3.749931e-03	2.284002e-04	1.390341e-02
	G45	4.188776e-04	6.758198e-05	8.852747e-06	1.314144e-04
	G47	6.868299e-04	1.733374e-04	5.207418e-05	1.574280e-04
	G46	1.612869e-02	3.214960e-03	4.247720e-04	2.478663e-02
	I	3.679033e-02	7.880822e-03	8.542887e-04	5.459184e-02
	H49	1.049279e-01	2.042959e-02	1.801660e-03	7.106882e-02
	H50	9.193538e-03	1.865819e-03	2.642495e-04	5.688613e-02
	H51	7.832920e-03	4.422726e-03	4.565077e-04	1.685729e-02
	H52	4.553083e-02	1.171378e-02	6.616497e-04	1.329979e-01
	H53	5.735292e-02	5.131455e-03	7.570334e-04	6.158214e-02
	K64	5.339318e-01	4.632566e-02	1.447659e-03	1.061054e-01
	K65	7.632003e-03	1.136126e-03	1.196591e-04	6.952989e-03
	K66	1.432175e-04	5.014159e-05	5.055793e-06	6.143053e-04

	L68	3.442177e-03	6.415779e-04	6.796105e-05	7.452815e-03
	M_N	8.166890e-01	9.729135e-02	5.733215e-03	1.264106e+00
	J62_63	3.193746e-03	2.484001e-03	5.032653e-05	2.037496e-02
	O84	4.101966e-03	7.031762e-04	1.627816e-05	1.821764e-03
	P85	5.290481e-05	4.375338e-05	6.971211e-06	8.054667e-04
	R_S	3.675840e-02	3.776527e-03	3.276413e-04	4.611835e-02
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
JP	A01	2.109517e-02	0.000000e+00	0.000000e+00	0.000000e+00
	A02	4.855419e-08	1.836633e-03	0.000000e+00	7.279958e-08
	A03	0.000000e+00	0.000000e+00	1.824364e-03	0.000000e+00
	B_nongas	6.107649e-03	8.021237e-04	5.607461e-05	3.266280e-02
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	3.280477e-02	4.524484e-05	3.126515e-04	2.005017e-06
	C13-15	4.465581e-03	8.791331e-05	6.884186e-06	1.771058e-05
	C16	7.707319e-05	4.132277e-06	8.625322e-07	3.739085e-05
	C17	1.923106e-03	2.321289e-03	1.505744e-05	1.258793e-03
	C18	3.601428e-05	1.010215e-05	4.352839e-07	1.294705e-04
	C19	1.133571e-02	3.513186e-03	1.272746e-05	7.412321e-03
	C24	0.000000e+00	0.000000e+00	0.000000e+00	9.414069e-02
	C20-21	1.111086e+00	2.680290e-02	4.064907e-04	1.536768e+00
	C22	4.327676e-02	6.112240e-05	1.010895e-04	2.487157e-02
	C23	1.073153e-02	0.000000e+00	7.477697e-04	1.336247e-03
	C25_33	9.234680e-03	7.759844e-05	1.780537e-06	3.053975e-05
	C25	1.741465e-02	2.480953e-03	0.000000e+00	9.179941e-03
	C26	1.478444e-02	6.912051e-03	5.780036e-05	1.541695e-03
	C27	5.371504e-01	2.991323e-01	3.251510e-03	2.066398e-01
	C28_32	7.898353e-02	3.464512e-02	3.543129e-04	2.655017e-02
	C29	2.597794e-03	0.000000e+00	0.000000e+00	0.000000e+00
	C30	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C31	5.877843e-02	1.236066e-02	7.936885e-05	1.175796e-02
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	G45	3.330656e-05	5.373702e-06	7.039158e-07	1.044926e-05
	G47	5.887611e-05	1.485789e-05	4.462922e-06	1.349795e-05
	G46	1.265871e-03	2.523282e-04	3.333850e-05	1.945394e-03
	I	1.098074e-03	2.352373e-04	2.550029e-05	1.628902e-03
	H49	8.061329e-03	1.561168e-03	1.336312e-04	5.677072e-03
	H50	4.008111e-03	8.132748e-04	1.152476e-04	2.481193e-02
	H51	1.644049e-03	9.282844e-04	9.581625e-05	3.538171e-03
	H52	3.076925e-03	8.385505e-04	3.387908e-05	6.845278e-03
	H53	8.479432e-04	6.679605e-05	1.187800e-05	8.148603e-04
	K64	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	K65	2.007035e-03	2.987740e-04	3.146750e-05	1.828471e-03
	K66	6.347094e-06	2.222169e-06	2.240620e-07	2.722471e-05
	L68	1.384005e-04	2.579605e-05	2.732524e-06	2.996568e-04

	M_N	2.268018e-02	2.575051e-03	1.546197e-04	4.013643e-02
	J62_63	7.879604e-06	2.378704e-05	3.608256e-07	1.791079e-04
	O84	1.245940e-05	3.669314e-06	2.123905e-07	9.449541e-06
	P85	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CN	A01	7.457579e-01	0.000000e+00	0.000000e+00	0.000000e+00
	A02	3.573002e-06	1.351540e-01	0.000000e+00	5.357171e-06
	A03	0.000000e+00	0.000000e+00	1.057607e-02	0.000000e+00
	B_nongas	5.291676e-01	6.980944e-02	4.883684e-03	1.490252e+00
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	5.740575e-01	6.711560e-04	3.422491e-03	3.674263e-05
	C13-15	6.393015e-01	2.484875e-02	1.308180e-03	7.821556e-03
	C16	2.663104e-02	1.427823e-03	2.980301e-04	1.291963e-02
	C17	1.942293e-02	2.344449e-02	1.520767e-04	1.271350e-02
	C18	8.742865e-04	2.452409e-04	1.056700e-05	3.143039e-03
	C19	1.797326e-01	5.584489e-02	5.653203e-04	4.001925e-01
	C24	0.000000e+00	0.000000e+00	0.000000e+00	1.169523e-01
	C20-21	1.686410e+00	3.891391e-02	5.930858e-04	2.224501e+00
	C22	3.150126e-01	4.449115e-04	7.358329e-04	1.810408e-01
	C23	8.374244e-02	0.000000e+00	5.884194e-03	1.035754e-02
	C25_33	1.604845e-01	1.348542e-03	3.094300e-05	5.307338e-04
	C25	4.109966e-02	5.855204e-03	0.000000e+00	2.166523e-02
	C26	3.855310e-01	1.802442e-01	1.507249e-03	4.020249e-02
	C27	4.339571e+00	2.416653e+00	2.626854e-02	1.669417e+00
	C28_32	1.730456e-01	7.590426e-02	7.762667e-04	5.816897e-02
	C29	4.763962e-04	0.000000e+00	0.000000e+00	0.000000e+00
	C30	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C31	1.761813e+00	3.704960e-01	2.378986e-03	3.524307e-01
	E37-39	1.221211e-03	1.506626e-04	3.056045e-08	5.550161e-04
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	7.616741e-04	6.771985e-04	4.124670e-05	2.510811e-03
	G45	5.203651e-05	8.395605e-06	1.099763e-06	1.632540e-05
	G47	8.555932e-05	2.158193e-05	6.474842e-06	1.964878e-05
	G46	2.008255e-03	4.003090e-04	5.289026e-05	3.086294e-03
	I	4.260141e-03	9.126384e-04	9.893218e-05	6.319568e-03
	H49	5.576774e-02	1.085288e-02	9.594700e-04	3.756273e-02
	H50	2.420303e-02	4.910969e-03	6.959242e-04	1.498290e-01
	H51	8.102544e-04	4.574965e-04	4.722216e-05	1.743755e-03
	H52	1.896279e-02	5.167907e-03	2.087935e-04	4.218679e-02
	H53	9.025304e-04	7.109611e-05	1.264266e-05	8.673177e-04
	K64	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	K65	3.923236e-03	5.840262e-04	6.151084e-05	3.574188e-03
	K66	4.523212e-05	1.583613e-05	1.596762e-06	1.940150e-04
	L68	1.007819e-03	1.878443e-04	1.989797e-05	2.182071e-03
	M_N	6.128718e-02	6.947614e-03	4.184271e-04	1.012894e-01

CA	J62_63	1.684542e-05	5.085316e-05	7.713915e-07	3.829061e-04
	O84	2.709841e-05	7.980527e-06	4.619359e-07	2.055216e-05
	P85	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.276780e-01	2.750834e-05	6.976610e-04	1.146109e-04
	A02	2.535805e-04	4.598084e-05	4.125242e-06	2.759836e-04
	A03	4.748299e-04	1.991772e-08	1.975736e-03	1.429786e-07
	B_nongas	8.094474e-04	7.856647e-05	5.117764e-06	4.295769e-03
	B_gas	1.136321e-04	1.385874e-05	8.325372e-07	2.091609e-04
	C10-12	1.591198e-01	2.298437e-04	1.092028e-03	2.038825e-03
	C13-15	1.432215e-03	1.822405e-04	3.001045e-06	2.118234e-04
	C16	2.339542e-03	3.358011e-04	2.163422e-05	1.333113e-03
	C17	1.863177e-02	1.988515e-02	1.320311e-04	1.300620e-02
	C18	1.054392e-03	8.713469e-04	7.587369e-06	1.006519e-03
	C19	3.017913e-03	3.967772e-04	2.502204e-06	3.258237e-03
	C24	1.113805e-03	2.660029e-04	2.530335e-06	1.071653e-02
	C20-21	7.348253e-02	1.839143e-03	3.080590e-05	1.002676e-01
	C22	1.576712e-02	4.883619e-04	3.592664e-05	9.758000e-03
	C23	4.021481e-03	1.555426e-03	6.770802e-05	1.455281e-03
	C25_33	9.050934e-03	1.168016e-03	1.142454e-05	2.772579e-03
	C25	8.725408e-03	3.596973e-03	3.657216e-05	3.393166e-03
	C26	1.154479e-03	5.308331e-04	4.456307e-06	1.304262e-04
	C27	6.577621e-02	3.571126e-02	3.903693e-04	2.598019e-02
	C28_32	1.113086e-02	4.972057e-03	5.065115e-05	3.807523e-03
	C29	4.908642e-03	2.385191e-03	2.820284e-05	2.273088e-03
	C30	1.957916e-03	4.044025e-04	3.290564e-06	5.089546e-04
	C31	2.237781e-02	4.724682e-03	3.400879e-05	6.509021e-03
	E37-39	8.243454e-06	1.669122e-06	1.377997e-07	4.498648e-06
	D35	6.159872e-05	8.977719e-06	7.521985e-07	1.086723e-04
	E36	4.091295e-09	6.187677e-10	7.442171e-11	3.085475e-08
	F	1.622852e-03	1.356269e-03	8.262467e-05	7.108065e-03
	G45	5.183600e-04	5.314626e-05	4.333089e-06	5.039016e-04
	G47	1.106472e-03	1.745188e-04	8.060081e-06	6.141429e-04
	G46	1.692179e-02	2.366763e-03	9.816380e-05	1.023991e-02
	I	8.144822e-03	1.743375e-03	1.889194e-04	1.208203e-02
	H49	2.059111e-02	4.047901e-03	3.648942e-04	1.374373e-02
	H50	9.278695e-03	1.883961e-03	2.659722e-04	5.680835e-02
	H51	2.616902e-03	1.477585e-03	1.525151e-04	5.631834e-03
	H52	1.032188e-02	2.711860e-03	1.947757e-04	3.415119e-02
	H53	4.063516e-03	3.408996e-04	5.389409e-05	4.324829e-03
	K64	2.506480e-02	2.153316e-03	6.790330e-05	5.050107e-03
	K65	1.924137e-03	2.867184e-04	3.018017e-05	1.757559e-03
	K66	6.473263e-05	1.085774e-05	1.102366e-06	7.618593e-05
	L68	1.368837e-04	2.556237e-05	2.698645e-06	2.960015e-04
	M_N	9.030416e-02	1.023300e-02	6.179429e-04	1.408041e-01
	J62_63	1.104760e-04	9.006799e-05	1.833400e-06	7.329231e-04

KR	O84	1.809091e-03	9.048962e-05	5.420626e-06	2.337638e-03
	P85	7.995637e-05	1.972345e-05	2.381917e-06	3.326999e-04
	R_S	1.042693e-03	1.840775e-04	1.240342e-05	1.148792e-03
	T	4.300734e-10	6.359382e-11	3.422435e-12	2.279364e-10
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.035070e-02	0.000000e+00	0.000000e+00	0.000000e+00
	A02	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A03	0.000000e+00	0.000000e+00	2.923840e-04	0.000000e+00
	B_nongas	2.656429e-05	3.509332e-06	2.455227e-07	7.268877e-05
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	3.871752e-02	4.193420e-05	2.430398e-04	1.750074e-06
	C13-15	9.961012e-03	2.441998e-04	1.854713e-05	6.028390e-05
	C16	7.951131e-06	4.262996e-07	8.898174e-08	3.857366e-06
	C17	2.989265e-04	3.608199e-04	2.340520e-06	1.956658e-04
	C18	1.532872e-05	4.299768e-06	1.852694e-07	5.510637e-05
	C19	2.178085e-02	7.210314e-03	2.503000e-05	1.134648e-02
	C24	0.000000e+00	0.000000e+00	0.000000e+00	6.936141e-02
	C20-21	3.258721e-01	7.848724e-03	2.186604e-04	4.520374e-01
	C22	4.222704e-02	5.963982e-05	9.863745e-05	2.426829e-02
	C23	4.519310e-03	0.000000e+00	3.386985e-04	5.504866e-04
	C25_33	8.343665e-03	7.011131e-05	1.608741e-06	2.759310e-05
	C25	2.426981e-03	3.457564e-04	0.000000e+00	1.279356e-03
	C26	2.476908e-02	1.158009e-02	9.683574e-05	2.582877e-03
	C27	6.471612e-01	3.603960e-01	3.917434e-03	2.489606e-01
	C28_32	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C29	1.303873e-03	0.000000e+00	0.000000e+00	0.000000e+00
	C30	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C31	7.594007e-02	1.596962e-02	1.025423e-04	1.519095e-02
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	G45	1.565574e-05	2.525907e-06	3.308754e-07	4.911672e-06
	G47	3.266511e-05	8.222299e-06	2.452831e-06	7.561304e-06
	G46	7.869356e-04	1.568612e-04	2.072507e-05	1.209365e-03
	I	4.611515e-04	9.879123e-05	1.070921e-05	6.840802e-04
	H49	4.733899e-03	9.172190e-04	7.876791e-05	3.319775e-03
	H50	2.616380e-03	5.308825e-04	7.523036e-05	1.619751e-02
	H51	5.074476e-04	2.865217e-04	2.957438e-05	1.092082e-03
	H52	1.913664e-03	5.215285e-04	2.107077e-05	4.257355e-03
	H53	3.994346e-04	3.146514e-05	5.595287e-06	3.838504e-04
	K64	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	K65	4.685732e-04	6.975339e-05	7.346571e-06	4.268846e-04
	K66	2.957361e-06	1.035396e-06	1.043993e-07	1.268506e-05
	L68	6.377876e-05	1.188753e-05	1.259223e-06	1.380901e-04
	M_N	1.686401e-02	3.784258e-03	1.744146e-04	1.944526e-02
	J62_63	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	O84	5.912785e-06	1.741325e-06	1.007929e-07	4.484414e-06

	P85	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
BR	A01	1.681391e+00	2.020268e-04	1.494592e-04	4.064262e-03
	A02	3.849359e-03	2.121757e-03	1.493427e-05	5.439357e-04
	A03	4.310341e-03	3.274883e-06	1.430400e-04	3.602156e-07
	B_nongas	1.280510e-01	1.685749e-02	1.179048e-03	4.642691e-01
	B_gas	2.629463e-08	4.900977e-09	5.191507e-10	5.693162e-08
	C10-12	3.422923e-01	3.434827e-04	2.341046e-03	1.577577e-03
	C13-15	6.944708e-03	1.973743e-04	1.446737e-05	2.165895e-04
	C16	7.769452e-04	4.161250e-05	8.650864e-06	3.755975e-04
	C17	1.428625e-03	1.672812e-03	1.091451e-05	9.605037e-04
	C18	1.328938e-05	1.357767e-06	1.401396e-08	1.763769e-05
	C19	3.503984e-05	1.436478e-06	1.554919e-08	4.166031e-05
	C24	2.785832e-04	5.818797e-05	6.508426e-07	1.381731e-01
	C20-21	1.021673e-01	2.463766e-03	4.350673e-04	1.167981e-01
	C22	2.920289e-03	8.750934e-05	7.344562e-06	1.988686e-03
	C23	2.972896e-03	2.614315e-04	4.317747e-05	7.619682e-03
	C25_33	1.191063e-03	4.128857e-05	5.940082e-07	4.033769e-04
	C25	2.665399e-03	5.548222e-04	2.647887e-06	1.357329e-03
	C26	3.000249e-04	9.448128e-05	8.111936e-07	1.641512e-04
	C27	5.625998e-02	3.130983e-02	3.403046e-04	2.164070e-02
	C28_32	5.982069e-03	2.635159e-03	2.698424e-05	2.018987e-03
	C29	2.779073e-03	1.053063e-03	1.789677e-05	4.467546e-03
	C30	1.207303e-06	2.348262e-07	6.339848e-09	8.016823e-07
	C31	1.684971e-03	3.498685e-04	2.643897e-06	5.130806e-04
	E37-39	2.814075e-06	3.830954e-07	3.233051e-08	9.384780e-06
	D35	7.267106e-08	1.364988e-08	1.517410e-09	1.501149e-07
	E36	5.506365e-08	1.034260e-08	1.137574e-09	1.129766e-07
	F	8.911932e-04	7.899963e-04	4.814511e-05	2.933969e-03
	G45	1.286705e-03	1.662828e-04	1.049509e-05	1.890796e-03
	G47	3.995035e-03	5.451488e-04	4.152362e-05	5.863252e-03
	G46	7.453207e-03	1.188093e-03	1.148119e-04	1.111537e-02
	I	3.089464e-03	6.436745e-04	7.009313e-05	4.456708e-03
	H49	4.516045e-02	8.788541e-03	7.748862e-04	3.052458e-02
	H50	9.694362e-03	1.967053e-03	2.787478e-04	6.000131e-02
	H51	2.392419e-04	1.351099e-04	1.393271e-05	5.146389e-04
	H52	1.474861e-02	4.019576e-03	1.624266e-04	3.280937e-02
	H53	5.435125e-04	4.284671e-05	7.617510e-06	5.224487e-04
	K64	4.920159e-07	9.170537e-08	9.714166e-09	1.065285e-06
	K65	6.609634e-04	9.840172e-05	1.036390e-05	6.024409e-04
	K66	8.362085e-06	2.909721e-06	2.934921e-07	3.563524e-05
	L68	1.348181e-04	2.520930e-05	2.664166e-06	2.908192e-04
	M_N	1.266703e-02	1.434959e-03	8.703176e-05	1.942108e-02
	J62_63	1.025106e-05	3.000575e-05	4.607728e-07	2.261854e-04
	O84	2.552986e-03	1.002763e-04	8.993650e-06	9.434979e-04
	P85	3.528023e-05	8.587450e-06	1.226187e-06	1.506693e-04

IN	R_S	4.815560e-04	4.291970e-05	5.563179e-06	4.311252e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.639070e+00	1.360010e-05	5.476659e-05	1.235718e-05
	A02	9.384086e-06	3.549668e-01	0.000000e+00	1.407000e-05
	A03	0.000000e+00	0.000000e+00	1.676722e-03	0.000000e+00
	B_nongas	2.609410e-02	2.468473e-03	1.696300e-04	9.207241e-02
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	4.218343e-01	1.018431e-03	3.636411e-03	1.015095e-02
	C13-15	2.448960e-01	7.516680e-03	4.907921e-04	9.828396e-03
	C16	4.672843e-03	7.751832e-04	1.429602e-05	1.489077e-03
	C17	2.149233e-03	9.492318e-04	8.545294e-06	1.537410e-03
	C18	1.435985e-03	2.357107e-04	3.769793e-06	8.303208e-04
	C19	1.188636e-02	5.905541e-04	5.691315e-06	1.576032e-02
	C24	2.194426e-02	7.763024e-03	2.268435e-04	6.490741e-02
	C20-21	6.017614e-01	1.420540e-02	3.413377e-04	8.118303e-01
	C22	8.158442e-02	1.092547e-03	1.693250e-04	5.478014e-02
	C23	4.122275e-02	1.734088e-03	2.729876e-03	8.694982e-03
	C25_33	3.617156e-02	8.644888e-03	1.507897e-04	7.096371e-03
	C25	2.568010e-02	1.230889e-02	1.299179e-04	1.019400e-02
	C26	2.126692e-04	9.871679e-05	8.720373e-07	2.233879e-05
	C27	3.949127e-01	2.166632e-01	2.459425e-03	1.518040e-01
	C28_32	1.706919e-02	6.885904e-03	7.691199e-05	6.787404e-03
	C29	9.062602e-03	2.489306e-03	3.362402e-05	2.812852e-03
	C30	2.696523e-03	8.769185e-04	1.103629e-05	1.026688e-03
	C31	7.183290e-02	1.597763e-02	1.290386e-04	1.797236e-02
	E37-39	9.325760e-06	2.382332e-06	3.338586e-08	5.297774e-06
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	1.562223e-06	1.388960e-06	8.459856e-08	5.149769e-06
	G45	1.461173e-04	2.357466e-05	3.088109e-06	4.584136e-05
	G47	2.500379e-04	6.323457e-05	1.910309e-05	5.685684e-05
	G46	6.068235e-03	1.209592e-03	1.598156e-04	9.325684e-03
	I	3.157394e-03	6.763999e-04	7.332336e-05	4.683733e-03
	H49	1.126074e-02	2.178833e-03	1.853818e-04	7.994035e-03
	H50	6.904383e-03	1.400949e-03	1.985259e-04	4.274295e-02
	H51	1.475580e-03	8.331616e-04	8.599780e-05	3.175609e-03
	H52	3.996156e-03	1.089068e-03	4.400046e-05	8.890305e-03
	H53	3.222778e-03	2.538718e-04	4.514473e-05	3.097040e-03
	K64	2.639089e-05	2.261285e-06	7.040863e-08	5.234500e-06
	K65	1.803345e-03	2.684520e-04	2.827392e-05	1.642902e-03
	K66	1.185494e-05	4.150511e-06	4.184974e-07	5.084962e-05
	L68	2.590095e-04	4.827600e-05	5.113780e-06	5.607925e-04
	M_N	8.970870e-02	1.016607e-02	6.130284e-04	1.432011e-01
	J62_63	1.310757e-05	3.956930e-05	6.002266e-07	2.979426e-04
	O84	1.180291e-05	3.475976e-06	2.011995e-07	8.951641e-06
	P85	4.620572e-08	3.821309e-08	6.088479e-09	7.034742e-07
	R_S	1.209804e-06	8.522195e-08	8.362427e-09	9.521136e-07

	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
MX	A01	2.693955e-01	3.223616e-08	1.965933e-09	1.199590e-07
	A02	7.923452e-08	2.997162e-03	0.000000e+00	1.188000e-07
	A03	9.220481e-06	1.870898e-06	8.906812e-05	5.705732e-05
	B_nongas	1.811573e-08	4.117706e-09	3.939623e-10	2.304924e-05
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	1.425934e-01	2.812125e-04	1.902040e-03	5.519756e-04
	C13-15	1.200251e-01	3.343025e-03	2.525703e-04	9.785448e-04
	C16	4.924638e-04	1.893677e-05	2.358198e-06	7.006119e-05
	C17	5.676918e-04	3.949764e-04	2.965427e-06	2.764216e-04
	C18	2.421804e-04	3.965918e-05	1.517267e-06	3.310608e-04
	C19	5.402812e-04	1.063651e-04	9.055571e-07	1.203894e-03
	C24	8.631334e-04	3.306386e-04	3.894965e-06	1.210466e-02
	C20-21	1.583433e-01	4.105989e-03	1.706933e-04	2.206452e-01
	C22	7.097790e-03	7.817869e-04	1.699913e-05	3.247036e-03
	C23	5.280298e-03	4.293205e-05	4.633350e-04	6.757106e-04
	C25_33	4.975233e-03	7.943025e-04	8.601272e-06	8.230928e-04
	C25	1.473984e-03	5.149128e-04	5.300939e-06	6.569498e-04
	C26	1.615410e-02	7.773489e-03	7.168514e-05	3.160912e-03
	C27	1.312011e-01	7.183862e-02	7.797312e-04	5.022182e-02
	C28_32	2.537061e-02	1.141619e-02	1.179317e-04	8.692028e-03
	C29	1.355160e-02	6.509389e-03	7.153710e-05	4.773627e-03
	C30	7.653419e-04	3.144671e-04	3.800638e-06	2.306659e-04
	C31	3.472193e-02	8.715632e-03	6.867390e-05	7.857025e-03
	E37-39	3.878798e-05	1.588466e-05	2.341103e-07	1.479210e-05
	D35	5.601268e-08	8.376739e-09	6.784453e-11	3.456726e-08
	E36	2.373790e-07	3.518061e-08	1.035171e-10	1.309771e-07
	F	2.188261e-06	1.836640e-06	1.119295e-07	6.797584e-06
	G45	8.263891e-05	1.145277e-05	1.366654e-06	4.745317e-05
	G47	2.187127e-04	3.081917e-05	8.296951e-06	8.719525e-05
	G46	3.152704e-03	5.499387e-04	7.247847e-05	4.336867e-03
	I	2.260136e-03	4.830284e-04	5.238344e-05	3.354177e-03
	H49	2.949322e-03	5.706213e-04	4.850946e-05	2.094102e-03
	H50	1.972725e-03	4.004792e-04	5.671476e-05	1.220792e-02
	H51	7.301161e-04	4.110808e-04	4.241508e-05	1.566923e-03
	H52	9.816887e-04	2.675002e-04	1.081234e-05	2.183845e-03
	H53	6.837770e-06	4.988425e-06	1.174394e-07	3.953889e-05
	K64	3.609969e-05	3.093176e-06	9.631087e-08	7.160191e-06
	K65	1.470072e-06	2.188399e-07	2.304867e-08	1.339281e-06
	K66	6.294791e-06	2.203857e-06	2.222157e-07	2.700036e-05
	L68	1.136341e-04	2.091904e-05	2.215296e-06	2.429748e-04
	M_N	1.111354e-02	1.262304e-03	7.623739e-05	1.701584e-02
	J62_63	8.018051e-05	2.278217e-04	3.481297e-06	1.718737e-03
	O84	1.207603e-05	3.556413e-06	2.058554e-07	9.158788e-06
	P85	3.668173e-06	4.665066e-07	3.652837e-08	6.411014e-06
	R_S	9.792879e-05	1.037311e-05	6.077279e-07	1.403334e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

RU	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	9.254702e-02	4.957834e-03	4.213895e-05	1.922361e-02
	A02	1.602991e-03	1.600415e-02	2.730629e-05	1.482723e-03
	A03	4.240238e-05	7.351613e-06	5.592349e-03	1.721939e-04
	B_nongas	2.511280e-02	2.051101e-03	1.243014e-04	4.267647e-02
	B_gas	1.046524e-02	2.486724e-03	1.951075e-05	1.366128e-02
	C10-12	4.940690e-02	1.388192e-03	4.529969e-04	3.435376e-03
	C13-15	2.940422e-02	8.251271e-04	6.332940e-05	6.924061e-04
	C16	3.588288e-02	1.959885e-03	3.963637e-04	1.744422e-02
	C17	1.186002e-02	1.277155e-02	8.598623e-05	7.378472e-03
	C18	2.078194e-04	2.014198e-05	1.297063e-06	1.547416e-04
	C19	1.540833e-01	4.366317e-02	2.024214e-04	1.791228e-01
	C24	1.064589e-02	3.401564e-04	1.897755e-05	1.082662e-01
	C20-21	8.545226e-01	9.091122e-03	1.579631e-04	3.848725e-01
	C22	1.528732e-02	1.200352e-04	3.676000e-05	9.061721e-03
	C23	9.781234e-03	1.473053e-04	5.042271e-04	2.565098e-03
	C25_33	1.625698e-02	8.857480e-04	4.302771e-05	5.064521e-03
	C25	3.940356e-03	5.289048e-04	1.823424e-05	2.680963e-03
	C26	6.321643e-04	2.840889e-04	2.422977e-06	7.227654e-05
	C27	3.382690e-02	1.856902e-02	2.024467e-04	1.298297e-02
	C28_32	2.703320e-03	1.061049e-03	1.128754e-05	9.093179e-04
	C29	5.915492e-04	1.779096e-05	1.234958e-06	2.003956e-04
	C30	5.980853e-04	2.367906e-05	1.910266e-06	2.336418e-04
	C31	4.232997e-02	8.677933e-03	5.807623e-05	8.812718e-03
	E37-39	1.729742e-03	2.727733e-04	1.911695e-05	1.198777e-03
	D35	6.400511e-03	1.422792e-03	3.548437e-05	2.359502e-03
	E36	1.187371e-05	3.484911e-06	2.081347e-07	1.292001e-05
	F	6.435218e-02	5.546042e-02	3.386112e-03	2.059330e-01
	G45	1.687631e-03	3.983890e-04	2.574514e-05	2.208310e-03
	G47	5.516765e-03	1.211596e-03	8.403503e-05	5.734029e-03
	G46	3.937788e-02	8.290814e-03	4.640046e-04	5.088170e-02
	I	1.019591e-02	2.214848e-03	2.382297e-04	1.509836e-02
	H49	2.902495e-01	5.772731e-02	5.851691e-03	1.538650e-01
	H50	1.617600e-01	3.288578e-02	4.632596e-03	9.903971e-01
	H51	1.119628e-02	6.279884e-03	6.492894e-04	2.410529e-02
	H52	1.617360e-01	4.399332e-02	1.782447e-03	3.599299e-01
	H53	1.200704e-02	9.890738e-04	1.566970e-04	1.217982e-02
	K64	3.691293e-01	3.162878e-02	9.848343e-04	7.323112e-02
	K65	3.307512e-03	4.925888e-04	5.188035e-05	3.023097e-03
	K66	1.289080e-03	4.503082e-04	4.539856e-05	5.555406e-03
	L68	3.089688e-04	6.810205e-05	6.479427e-06	6.666895e-04
	M_N	3.077733e-01	7.106126e-02	3.243754e-03	3.533436e-01
	J62_63	2.619841e-04	7.908806e-04	1.199687e-05	5.955047e-03
	O84	4.333755e-03	7.170916e-04	2.560034e-05	4.648154e-03
	P85	1.134422e-04	4.030585e-05	2.890058e-06	2.763404e-04
	R_S	5.833262e-04	7.859830e-05	7.562177e-06	4.525535e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

AU	A01	9.930925e-02	1.598160e-05	2.766816e-05	5.272832e-05
	A02	1.815050e-06	1.938056e-07	1.676364e-08	2.243612e-06
	A03	1.021477e-04	4.475008e-07	1.247779e-03	2.174003e-06
	B_nongas	4.366139e-02	5.704366e-03	3.970869e-04	2.941300e-01
	B_gas	3.890110e-04	4.426789e-05	2.662326e-06	6.397414e-04
	C10-12	3.298347e-02	1.472717e-04	9.945634e-04	1.920746e-04
	C13-15	1.159787e-03	4.058012e-05	1.933379e-06	3.933243e-05
	C16	7.330511e-04	1.196788e-04	3.694403e-06	2.761056e-04
	C17	8.183211e-04	9.720285e-04	6.393829e-06	5.502453e-04
	C18	1.393907e-04	4.700337e-05	1.096251e-06	2.455772e-04
	C19	7.673574e-04	2.364473e-04	1.677773e-06	4.894910e-04
	C24	1.040426e-03	1.891407e-04	2.409295e-06	4.919368e-03
	C20-21	5.104734e-02	8.379107e-04	1.373119e-05	4.622530e-02
	C22	1.849794e-03	4.712060e-06	4.405436e-06	1.083848e-03
	C23	8.090720e-04	6.238519e-06	5.940143e-05	1.838165e-04
	C25_33	3.158637e-03	1.524888e-04	1.993389e-06	3.026595e-04
	C25	9.948016e-04	1.403276e-04	3.378852e-07	5.821899e-04
	C26	5.747974e-04	2.652466e-04	2.276122e-06	7.500718e-05
	C27	4.279578e-02	2.379524e-02	2.591194e-04	1.657042e-02
	C28_32	3.268468e-03	1.425020e-03	1.472499e-05	1.134806e-03
	C29	7.133641e-05	6.307813e-06	3.795015e-07	9.433594e-05
	C30	3.782207e-05	4.340992e-06	2.633189e-07	6.467221e-05
	C31	1.015827e-02	2.135212e-03	1.377384e-05	2.047263e-03
	E37-39	3.310447e-05	3.140259e-06	2.888931e-07	3.496258e-05
	D35	4.245144e-05	5.084573e-06	3.054892e-07	7.032513e-05
	E36	4.501574e-06	5.193238e-07	3.151003e-08	7.540236e-06
	F	1.119764e-03	1.380243e-04	8.867585e-06	1.836624e-03
	G45	1.867256e-03	1.924769e-04	5.814838e-05	7.671548e-04
	G47	2.809780e-03	3.005918e-04	9.400925e-05	1.132578e-03
	G46	6.172073e-02	1.906994e-02	2.861756e-04	3.224520e-02
	I	1.605115e-02	3.438272e-03	3.726901e-04	2.381322e-02
	H49	2.167869e-02	4.217723e-03	3.646410e-04	1.762337e-02
	H50	8.622741e-03	1.749687e-03	2.479321e-04	5.337525e-02
	H51	3.870276e-03	2.114189e-03	2.172230e-04	8.429902e-03
	H52	8.297156e-03	2.259140e-03	9.136482e-05	1.845377e-02
	H53	1.265619e-03	1.086534e-04	1.709695e-05	1.323806e-03
	K64	3.163457e-04	3.246682e-05	1.639668e-06	3.362933e-04
	K65	3.175924e-05	4.624670e-06	3.103128e-07	5.479791e-05
	K66	1.137275e-04	1.733195e-05	1.280327e-06	2.247032e-04
	L68	3.502558e-04	6.520498e-05	6.892787e-06	7.578463e-04
	M_N	3.233102e-02	3.679073e-03	2.214768e-04	5.109269e-02
	J62_63	1.345633e-04	6.466482e-05	1.606280e-06	5.795658e-04
	O84	1.513773e-04	2.177839e-05	1.229646e-06	2.447045e-04
	P85	1.334188e-04	1.562630e-05	9.438970e-07	2.250878e-04
	R_S	1.163553e-03	1.299598e-04	1.514356e-05	1.233163e-03
	T	3.122932e-07	3.540959e-08	2.131701e-09	5.211291e-07
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CH	A01	1.950038e+00	1.117941e-05	6.762343e-07	1.152229e-04

	A02	1.696174e-04	6.416026e+00	0.000000e+00	2.543153e-04
	A03	0.000000e+00	0.000000e+00	1.908361e-04	0.000000e+00
	B_nongas	2.787797e-02	3.498995e-03	2.761709e-04	1.002220e-01
	B_gas	7.360428e-06	4.327197e-08	3.005382e-07	1.294679e-06
	C10-12	3.817698e+00	8.772033e-03	2.128322e-02	5.828808e-02
	C13-15	8.991117e-02	1.726851e-03	1.465375e-04	5.229706e-03
	C16	4.097077e-02	2.286859e-03	4.544806e-04	2.007083e-02
	C17	1.295845e-01	1.563820e-01	1.014681e-03	8.486142e-02
	C18	2.207547e-03	4.955074e-04	2.134459e-05	5.896557e-03
	C19	4.008611e-01	1.213413e-01	5.296613e-04	5.566342e-01
	C24	3.739237e-04	5.928511e-05	2.167073e-06	1.280817e-01
	C20-21	1.216724e+01	2.891147e-01	4.500938e-03	1.652129e+01
	C22	4.472566e-01	6.811392e-04	1.042602e-03	2.559542e-01
	C23	1.559737e-01	2.410081e-04	1.317345e-02	2.394766e-02
	C25_33	4.803157e-01	4.119314e-03	1.018610e-04	3.555833e-03
	C25	6.611834e-02	8.442288e-03	1.275475e-05	4.162952e-02
	C26	4.957111e-02	2.268143e-02	1.925174e-04	5.707991e-03
	C27	2.010365e+00	1.111014e+00	1.212962e-02	7.795359e-01
	C28_32	3.687462e-01	1.613063e-01	1.652792e-03	1.242588e-01
	C29	1.353360e-03	3.696873e-06	6.028432e-08	4.531556e-06
	C30	4.869511e-04	7.700241e-05	7.438165e-06	3.844908e-04
	C31	4.575250e-01	9.619589e-02	6.179567e-04	9.209603e-02
	E37-39	1.565335e-02	5.487233e-04	2.118476e-05	3.770169e-03
	D35	1.232508e-03	2.843563e-04	1.218195e-05	1.554655e-03
	E36	1.199402e-03	2.592622e-04	1.068203e-05	1.460121e-03
	F	5.318095e-02	3.788063e-02	2.338084e-03	1.444479e-01
	G45	3.933879e-03	6.330586e-04	4.961833e-05	4.501761e-03
	G47	4.251590e-01	2.042494e-02	2.268302e-03	2.638642e-01
	G46	5.070061e-01	2.954659e-02	3.319368e-03	3.490852e-01
	I	6.858693e-02	1.400573e-02	1.492263e-03	9.775532e-02
	H49	8.848472e-01	1.747810e-01	1.673785e-02	5.299704e-01
	H50	5.503550e-02	1.120486e-02	1.526637e-03	3.266934e-01
	H51	1.902279e-02	9.387352e-03	9.246039e-04	3.956061e-02
	H52	2.831709e-01	7.581584e-02	3.212287e-03	6.112117e-01
	H53	7.550066e-02	7.008198e-03	9.389353e-04	6.894116e-02
	K64	3.970728e-01	3.416418e-02	1.079055e-03	8.171879e-02
	K65	1.703748e-01	2.536891e-02	2.668457e-03	1.558537e-01
	K66	2.498094e-03	4.758524e-04	4.187383e-05	5.425180e-03
	L68	7.514325e-03	1.395932e-03	1.432493e-04	1.566619e-02
	M_N	1.957654e+00	2.473185e-01	1.348575e-02	2.869773e+00
	J62_63	3.793348e-03	7.016576e-03	1.066571e-04	4.839015e-02
	O84	1.829026e-02	1.443007e+00	4.980907e-05	6.892086e-03
	P85	4.425601e-03	6.692510e-04	6.336152e-05	1.013048e-02
	R_S	1.703764e-02	1.014973e-03	1.104408e-04	1.030814e-02
	T	2.316408e-04	1.234996e-05	7.336980e-07	1.319096e-04
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
TR	A01	1.926421e+00	7.040947e-04	1.237930e-03	2.603579e-02
	A02	8.925961e-06	2.356054e-02	3.799806e-07	1.316526e-05

	A03	6.139508e-06	1.289282e-06	4.462555e-03	3.543921e-05
	B_nongas	3.477079e-01	4.544848e-02	3.177272e-03	1.204249e+00
	B_gas	4.125711e-08	8.223150e-09	1.086203e-09	1.009613e-07
	C10-12	1.257434e+00	1.759067e-03	8.074938e-03	1.964765e-03
	C13-15	1.690384e-01	1.087755e-02	2.918267e-04	1.565456e-02
	C16	4.217503e-02	8.593368e-03	7.074370e-05	9.938601e-03
	C17	9.525641e-03	8.989047e-03	6.005635e-05	7.101741e-03
	C18	1.553656e-03	3.529752e-04	1.078727e-05	2.396861e-03
	C19	7.618654e-03	2.025264e-03	1.811912e-05	1.160689e-02
	C24	2.820217e-02	4.832579e-03	3.641590e-05	2.463980e-02
	C20-21	2.406085e-01	9.347248e-03	1.331747e-04	3.137104e-01
	C22	1.692970e-01	1.615090e-03	3.884722e-04	9.917419e-02
	C23	3.270128e-02	7.105930e-04	1.909052e-03	1.569770e-02
	C25_33	6.427361e-02	3.963341e-03	3.944027e-05	2.604160e-02
	C25	1.736761e-02	2.553787e-03	2.017648e-05	1.205157e-02
	C26	1.398053e-04	6.315160e-05	5.455504e-07	1.597873e-05
	C27	3.586393e-01	1.988484e-01	2.163394e-03	1.377318e-01
	C28_32	4.975994e-03	2.199259e-03	2.310709e-05	1.693223e-03
	C29	1.098642e-02	4.254184e-03	4.917446e-05	5.391527e-03
	C30	2.693934e-04	8.089615e-05	8.862022e-07	4.009272e-04
	C31	2.423857e-03	6.066099e-05	2.765413e-06	2.496034e-04
	E37-39	5.317557e-05	1.272155e-06	5.792109e-08	6.794295e-05
	D35	8.458583e-02	4.707462e-02	5.120950e-04	3.262932e-02
	E36	4.806774e-04	5.972647e-05	2.062698e-06	5.589187e-04
	F	1.491504e-02	4.949573e-03	1.613756e-04	1.129053e-02
	G45	6.671995e-03	2.287740e-03	7.111326e-05	5.389199e-03
	G47	2.078142e-03	3.179560e-04	2.842245e-05	2.390830e-03
	G46	6.243474e-03	7.839058e-04	8.501519e-05	7.485088e-03
	I	6.276340e-02	1.344408e-02	1.452277e-03	9.283486e-02
	H49	2.885225e-01	5.733566e-02	5.087326e-03	2.044592e-01
	H50	1.818971e-02	3.713124e-03	5.156758e-04	1.102794e-01
	H51	5.742921e-03	2.878863e-03	2.934942e-04	1.097482e-02
	H52	4.899598e-02	1.321490e-02	5.537920e-04	1.085923e-01
	H53	4.952501e-03	3.988715e-04	6.945345e-05	4.822080e-03
	K64	2.266555e-02	1.961133e-03	6.055526e-05	4.503788e-03
	K65	1.237362e-03	1.842430e-04	1.939135e-05	1.127924e-03
	K66	2.848406e-05	9.902096e-06	8.975393e-07	1.082007e-04
	L68	4.694226e-04	8.768334e-05	9.134719e-06	1.002419e-03
	M_N	8.343365e-02	9.828024e-03	5.497653e-04	1.227404e-01
	J62_63	4.786743e-05	8.036371e-05	1.235541e-06	5.901712e-04
	O84	9.214335e-05	2.249321e-05	1.352975e-06	8.643728e-05
	P85	3.524712e-03	7.510140e-04	6.513841e-06	9.022939e-04
	R_S	9.395233e-04	1.582952e-04	5.313735e-06	9.753280e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
TW	A01	1.261375e-01	0.000000e+00	0.000000e+00	0.000000e+00
	A02	5.963948e-07	2.255951e-02	0.000000e+00	8.942027e-07
	A03	0.000000e+00	0.000000e+00	1.519881e-03	0.000000e+00

	B_nongas	9.674320e-02	1.277841e-02	8.939944e-04	2.716382e-01
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	6.660436e-02	4.021053e-05	2.620972e-04	2.765654e-06
	C13-15	2.109197e-02	4.363001e-04	3.408307e-05	9.275515e-05
	C16	4.296656e-03	2.303651e-04	4.808422e-05	2.084455e-03
	C17	3.443059e-03	4.155952e-03	2.695829e-05	2.253694e-03
	C18	1.419546e-04	3.981884e-05	1.715724e-06	5.103234e-04
	C19	7.234543e-02	2.186709e-02	7.545900e-05	3.006524e-02
	C24	0.000000e+00	0.000000e+00	0.000000e+00	1.875312e-02
	C20-21	2.633721e-01	6.266719e-03	9.518375e-05	3.589712e-01
	C22	4.561309e-02	6.442213e-05	1.065469e-04	2.621428e-02
	C23	1.253014e-02	0.000000e+00	9.041809e-04	1.576418e-03
	C25_33	2.292094e-02	1.926032e-04	4.419382e-06	7.580118e-05
	C25	6.500971e-03	9.261513e-04	0.000000e+00	3.426914e-03
	C26	1.529494e-02	7.150720e-03	5.979617e-05	1.594929e-03
	C27	7.203674e-01	4.011636e-01	4.360569e-03	2.771227e-01
	C28_32	2.441729e-02	1.071033e-02	1.095337e-04	8.207829e-03
	C29	7.473693e-05	0.000000e+00	0.000000e+00	0.000000e+00
	C30	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C31	1.721231e-01	3.619619e-02	2.324189e-04	3.443128e-02
	E37-39	3.643747e-04	4.492905e-05	5.580197e-08	1.654798e-04
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	2.248691e-04	1.999293e-04	1.217726e-05	7.412667e-04
	G45	1.389112e-05	2.241202e-06	2.935811e-07	4.358057e-06
	G47	2.647863e-05	6.710216e-06	2.038218e-06	5.973560e-06
	G46	4.482775e-04	8.935594e-05	1.180603e-05	6.889144e-04
	I	1.194041e-03	2.557961e-04	2.772891e-05	1.771261e-03
	H49	1.607407e-02	3.130172e-03	2.778865e-04	1.076456e-02
	H50	7.927659e-04	1.608579e-04	2.279487e-05	4.901097e-03
	H51	2.030286e-04	1.146367e-04	1.183264e-05	4.369396e-04
	H52	5.340928e-03	1.455557e-03	5.880734e-05	1.188204e-02
	H53	2.672573e-04	2.105298e-05	3.743745e-06	2.568301e-04
	K64	7.172902e-06	6.146051e-07	1.913669e-08	1.422709e-06
	K65	1.081511e-03	1.609975e-04	1.695659e-05	9.852902e-04
	K66	1.341602e-05	4.697059e-06	4.736059e-07	5.754560e-05
	L68	2.882225e-04	5.372092e-05	5.690550e-06	6.240428e-04
	M_N	1.840109e-02	2.087079e-03	1.256629e-04	3.042232e-02
	J62_63	4.998534e-06	1.508963e-05	2.288946e-07	1.136195e-04
	O84	7.915241e-06	2.331052e-06	1.349280e-07	6.003131e-06
	P85	1.265603e-08	1.046681e-08	1.667673e-09	1.926860e-07
	R_S	2.182637e-07	1.801448e-08	2.108863e-09	1.927068e-07
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
NO	A01	1.485063e-02	1.130962e-07	7.189338e-09	4.924491e-07
	A02	1.866572e-04	1.470338e-02	4.883842e-09	7.945195e-07
	A03	1.069400e-03	2.554379e-06	1.584769e-01	9.603500e-08
	B_nongas	4.922971e-03	1.987014e-03	2.090158e-05	2.328579e-02

ID	B_gas	1.702062e-02	6.656262e-03	6.565573e-05	5.067809e-03
	C10-12	2.325884e-01	1.183207e-03	9.901927e-03	7.629747e-04
	C13-15	3.992237e-03	1.560209e-04	6.347249e-06	1.231655e-04
	C16	2.247067e-03	3.394158e-04	1.143961e-05	7.059818e-04
	C17	1.870509e-02	2.134312e-02	1.416977e-04	1.172829e-02
	C18	3.709955e-04	2.180191e-04	3.617053e-06	1.896250e-04
	C19	6.987478e-04	1.445566e-04	2.992858e-06	6.407749e-04
	C24	4.046735e-04	8.762851e-06	3.547848e-06	7.314715e-02
	C20-21	4.430717e-02	3.214410e-04	7.808991e-05	3.664214e-03
	C22	1.972446e-02	1.776404e-04	4.663024e-05	1.131251e-02
	C23	1.435568e-03	1.763372e-04	6.128444e-05	9.519492e-04
	C25_33	7.993426e-03	1.269196e-03	1.165511e-05	1.379544e-03
	C25	2.648116e-02	1.307415e-02	1.387432e-04	1.046176e-02
	C26	1.582453e-05	7.518998e-06	6.250567e-08	1.774731e-06
	C27	1.557842e-02	8.653460e-03	9.422642e-05	6.073206e-03
	C28_32	3.743260e-03	1.551809e-03	1.567569e-05	1.210866e-03
	C29	2.738754e-04	5.474482e-05	9.101135e-07	1.495447e-04
	C30	4.061578e-03	2.204758e-03	2.423387e-05	1.690233e-03
	C31	1.197939e-02	2.510690e-03	1.617387e-05	2.395388e-03
	E37-39	1.064916e-04	2.573772e-05	8.878512e-07	4.494612e-05
	D35	3.621906e-04	1.504663e-04	2.657451e-06	1.177840e-04
	E36	1.388739e-06	1.005772e-06	5.723364e-08	3.134081e-06
	F	2.926575e-03	2.298730e-03	1.190884e-04	7.239889e-03
	G45	2.006037e-04	8.813084e-05	3.649452e-06	6.721329e-05
	G47	2.158942e-03	8.274417e-04	2.611248e-05	1.051505e-03
	G46	1.274988e-02	5.104454e-03	1.364440e-04	5.478669e-03
	I	1.018366e-02	2.206446e-03	2.359580e-04	1.499191e-02
	H49	1.050753e-01	2.048216e-02	1.783791e-03	7.177617e-02
	H50	5.585326e-03	1.318013e-03	8.103824e-05	1.171259e-02
	H51	2.672588e-03	1.070413e-03	7.422481e-05	3.586404e-03
	H52	5.717906e-02	1.555103e-02	6.304117e-04	1.268155e-01
	H53	4.952166e-03	4.054892e-04	6.948263e-05	4.797007e-03
	K64	3.667320e-04	1.096142e-04	4.122595e-06	1.000295e-04
	K65	1.441602e-03	2.145768e-04	2.259138e-05	1.313354e-03
	K66	1.918058e-05	6.715277e-06	6.771036e-07	8.227163e-05
	L68	4.117185e-04	7.616122e-05	8.048652e-06	8.808965e-04
	M_N	8.629674e-02	1.269009e-02	6.731663e-04	1.236737e-01
	J62_63	3.843509e-04	3.402956e-04	8.653701e-06	1.544422e-03
	O84	8.621583e-05	1.587766e-05	1.104557e-06	1.472936e-04
	P85	6.095764e-05	5.044247e-05	7.985833e-06	9.209650e-04
	R_S	1.254757e-04	2.892564e-05	1.839613e-06	1.464651e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
ID	A01	3.583067e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A02	1.250266e-07	4.729315e-03	0.000000e+00	1.874583e-07
	A03	0.000000e+00	0.000000e+00	1.418661e-03	0.000000e+00
	B_nongas	2.268401e-04	2.329267e-05	1.608677e-06	7.608539e-04
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

	C10-12	7.121297e-02	1.099944e-04	5.097388e-04	1.039624e-05
	C13-15	8.486640e-02	3.035776e-03	1.766860e-04	9.252225e-04
	C16	1.023211e-03	5.485945e-05	1.145084e-05	4.963950e-04
	C17	1.939225e-04	2.340746e-04	1.518365e-06	1.269342e-04
	C18	8.956875e-06	2.512440e-06	1.082566e-07	3.219975e-05
	C19	1.397262e-03	4.618914e-04	4.053993e-06	5.621991e-03
	C24	0.000000e+00	0.000000e+00	0.000000e+00	4.750721e-03
	C20-21	2.711915e-02	6.541993e-04	9.996779e-06	3.750715e-02
	C22	9.252227e-03	1.306748e-05	2.161212e-05	5.317344e-03
	C23	2.726207e-04	0.000000e+00	1.214943e-05	3.400927e-05
	C25_33	8.049866e-04	6.764253e-06	1.552093e-07	2.662148e-06
	C25	5.259977e-04	7.493549e-05	0.000000e+00	2.772738e-04
	C26	4.424016e-03	2.068325e-03	1.729587e-05	4.613286e-04
	C27	5.727639e-02	3.189650e-02	3.467087e-04	2.203402e-02
	C28_32	9.357489e-04	4.104544e-04	4.197684e-06	3.145503e-04
	C29	2.102434e-05	0.000000e+00	0.000000e+00	0.000000e+00
	C30	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C31	5.787442e-02	1.217055e-02	7.814815e-05	1.157712e-02
	E37-39	5.797020e-08	1.154270e-08	0.000000e+00	3.945704e-08
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	G45	1.439682e-05	2.322792e-06	3.042689e-07	4.516711e-06
	G47	2.488830e-05	6.305212e-06	1.913610e-06	5.621614e-06
	G46	5.522082e-04	1.100726e-04	1.454319e-05	8.486355e-04
	I	1.558702e-03	3.339164e-04	3.619733e-05	2.312205e-03
	H49	3.290649e-03	6.402140e-04	5.650110e-05	2.220704e-03
	H50	2.603752e-03	5.283200e-04	7.486724e-05	1.545688e-02
	H51	4.642726e-04	2.621437e-04	2.705811e-05	9.991649e-04
	H52	1.870535e-03	5.097746e-04	2.059589e-05	4.161405e-03
	H53	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	K64	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	K65	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	K66	3.297645e-06	1.154532e-06	1.164119e-07	1.414465e-05
	L68	7.104487e-05	1.324184e-05	1.402682e-06	1.538223e-04
	M_N	1.828744e-03	2.070415e-04	1.250053e-05	2.844197e-03
	J62_63	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	O84	7.440648e-06	2.191283e-06	1.268378e-07	5.643187e-06
	P85	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
ZA	A01	4.996852e-01	3.072763e-09	1.871554e-10	1.139271e-08
	A02	1.459628e-06	5.521256e-02	0.000000e+00	2.188489e-06
	A03	0.000000e+00	0.000000e+00	7.814951e-04	0.000000e+00
	B_nongas	2.506761e-03	1.705918e-04	1.067402e-05	2.396417e-02
	B_gas	2.835605e-04	3.375355e-05	2.160942e-06	4.354385e-04
	C10-12	1.216384e-01	1.912022e-04	8.222086e-04	1.142803e-03

	C13-15	1.661870e-03	5.053099e-05	3.965497e-06	3.423822e-04
	C16	2.920216e-04	1.928460e-05	1.887769e-06	2.561410e-04
	C17	3.442583e-04	2.304616e-04	2.127927e-06	2.799482e-04
	C18	3.793730e-04	4.274080e-05	2.438279e-06	5.444421e-04
	C19	1.964214e-03	1.963464e-04	1.194192e-05	2.892037e-03
	C24	3.941564e-04	7.900750e-05	1.623238e-06	1.916637e-02
	C20-21	7.630291e-02	1.324318e-03	2.554892e-05	6.987594e-02
	C22	5.707719e-03	5.297876e-05	1.340320e-05	3.265174e-03
	C23	7.176694e-04	6.649011e-06	2.242425e-05	3.432208e-04
	C25_33	1.402559e-03	3.374450e-04	5.719586e-06	9.509749e-04
	C25	1.896248e-03	2.381164e-04	7.836012e-06	2.313855e-03
	C26	1.702216e-04	7.371643e-05	7.663710e-07	5.268977e-05
	C27	9.322861e-03	4.949102e-03	5.648978e-05	3.980783e-03
	C28_32	2.108084e-03	8.946589e-04	9.360076e-06	7.945458e-04
	C29	2.345609e-03	4.055888e-04	1.200656e-05	2.152791e-03
	C30	3.400963e-04	5.732061e-05	2.090815e-06	5.040656e-04
	C31	8.962109e-03	1.090533e-03	3.238313e-05	1.061071e-03
	E37-39	1.678866e-04	6.069854e-06	6.348676e-07	1.424421e-04
	D35	5.504394e-08	1.258075e-08	1.071752e-09	1.039203e-07
	E36	3.654827e-08	1.681335e-08	6.569097e-10	1.339414e-08
	F	2.947133e-06	1.880294e-06	9.634061e-08	4.535144e-06
	G45	1.784437e-05	2.881857e-06	3.751575e-07	6.171535e-06
	G47	5.970816e-04	7.258218e-05	6.544543e-06	8.702689e-04
	G46	2.263448e-03	3.200871e-04	2.988494e-05	3.471750e-03
	I	3.568602e-03	7.644667e-04	8.286930e-05	5.293664e-03
	H49	2.035872e-01	3.956750e-02	3.472758e-03	1.386056e-01
	H50	1.936591e-02	3.929482e-03	5.568395e-04	1.198841e-01
	H51	1.565329e-03	8.838223e-04	9.122408e-05	3.368585e-03
	H52	8.181530e-02	2.178463e-02	9.891159e-04	1.898272e-01
	H53	7.180708e-04	5.657529e-05	1.005922e-05	6.901498e-04
	K64	2.304317e-05	2.368779e-06	1.283438e-07	1.227228e-05
	K65	8.575339e-04	1.278070e-04	1.346135e-05	7.863052e-04
	K66	5.885717e-06	2.060637e-06	2.077747e-07	2.524571e-05
	L68	9.651047e-04	1.175988e-04	8.066171e-06	1.550606e-03
	M_N	6.315409e-02	7.150031e-03	4.319023e-04	9.677298e-02
	J62_63	2.595343e-07	7.719464e-08	5.342434e-09	7.675042e-07
	O84	8.576713e-06	2.525856e-06	1.462039e-07	6.504809e-06
	P85	5.513529e-08	3.407267e-08	5.210293e-09	5.998374e-07
	R_S	7.665475e-07	6.953633e-08	7.492346e-09	7.433182e-07
	T	4.224908e-03	4.793349e-04	5.150650e-05	1.726928e-03
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WA	A01	2.203175e+01	1.191450e-02	1.568829e-03	6.127913e-02
	A02	2.737291e-02	2.316535e-01	1.445945e-05	9.032649e-03
	A03	3.746316e-02	3.676789e-04	5.128727e-02	1.398665e-04
	B_nongas	4.170119e-02	2.348181e-03	1.594020e-04	4.453409e-02
	B_gas	1.146769e-02	2.438070e-03	7.575042e-05	1.429921e-02
	C10-12	2.302354e+00	6.570567e-03	2.228395e-02	2.601858e-02
	C13-15	2.481634e-01	6.753378e-03	4.252923e-04	1.135122e-02

	C16	4.035794e-03	4.104074e-04	3.794126e-05	1.705469e-03
	C17	7.953904e-03	4.494089e-03	5.288819e-05	3.544613e-03
	C18	4.854844e-03	7.156046e-04	3.875576e-05	8.344718e-03
	C19	2.180799e-01	1.919646e-02	4.194076e-04	3.092587e-01
	C24	1.652261e-02	1.500431e-03	1.163080e-04	7.178594e-02
	C20-21	2.517707e+00	6.048695e-02	9.219208e-04	3.465452e+00
	C22	3.861767e-01	1.398252e-03	9.153042e-04	2.208943e-01
	C23	6.139035e-02	9.879252e-04	3.931662e-03	1.225174e-02
	C25_33	1.230222e-01	3.775866e-03	7.475204e-05	5.144381e-03
	C25	3.974375e-02	1.082543e-02	1.108254e-04	1.784513e-02
	C26	4.503591e-02	2.087839e-02	1.754799e-04	4.776093e-03
	C27	1.742463e+00	9.660090e-01	1.054381e-02	6.711088e-01
	C28_32	4.758137e-02	1.722473e-02	1.811294e-04	2.485920e-02
	C29	1.049048e-02	2.557186e-03	4.385363e-05	3.018490e-03
	C30	5.823666e-03	8.958936e-04	2.448642e-05	1.114165e-03
	C31	3.411771e-01	7.106671e-02	4.727299e-04	6.849667e-02
	E37-39	2.910557e-02	9.985232e-04	7.144677e-05	5.146688e-03
	D35	2.203214e-02	4.558920e-03	1.477359e-04	1.505939e-02
	E36	1.625641e-03	1.593190e-04	5.034313e-06	4.094085e-04
	F	4.391044e-02	3.045310e-02	1.759042e-03	1.081161e-01
	G45	2.719923e-02	4.638990e-03	1.945752e-04	1.219252e-02
	G47	7.549014e-02	6.520653e-03	5.523768e-04	2.307541e-02
	G46	2.373222e-01	4.453087e-02	2.417072e-03	1.461791e-01
	I	5.183677e-02	7.883180e-03	9.558119e-04	5.164392e-02
	H49	2.916198e-01	5.634304e-02	5.597826e-03	1.492614e-01
	H50	1.979450e-01	4.017081e-02	5.706289e-03	1.221309e+00
	H51	4.169236e-02	2.090802e-02	2.132160e-03	7.963922e-02
	H52	7.771444e-02	1.996302e-02	8.600527e-04	1.508629e-01
	H53	1.015771e-02	1.168468e-03	1.194177e-04	1.045131e-02
	K64	1.536952e-01	1.376353e-02	4.351419e-04	3.154359e-02
	K65	9.598040e-03	1.424109e-03	1.480192e-04	8.866420e-03
	K66	3.368160e-03	2.907098e-04	2.128050e-05	1.328145e-03
	L68	4.638994e-03	8.458837e-04	8.050949e-05	8.063956e-03
	M_N	2.560689e-01	3.518576e-02	1.949170e-03	3.575508e-01
	J62_63	3.111703e-03	1.201611e-03	2.674636e-05	8.167517e-03
	O84	1.925637e-02	8.247259e-04	4.919614e-05	4.861528e-03
	P85	4.029730e-03	4.202654e-04	4.613247e-05	4.529895e-03
	R_S	1.707013e-02	1.403587e-03	1.066260e-04	1.177857e-02
	T	1.754225e-02	8.469764e-04	1.322025e-04	2.682632e-03
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WL	A01	1.178005e+01	2.914039e-02	4.239938e-04	1.463515e-02
	A02	6.264901e-03	4.937322e-01	1.013225e-05	9.094615e-04
	A03	3.857136e-03	3.343094e-04	6.486828e-03	2.088006e-04
	B_nongas	5.691346e-02	1.036762e-03	4.640787e-05	1.897615e-02
	B_gas	6.403610e-02	3.826058e-04	1.970774e-05	9.341551e-03
	C10-12	4.738735e-01	2.588645e-03	6.003551e-03	1.784735e-02
	C13-15	3.410987e-02	1.165889e-03	6.841427e-05	6.307733e-04
	C16	5.025031e-03	1.265319e-03	1.788130e-05	8.171176e-04

	C17	5.677061e-03	6.322378e-04	1.669739e-05	1.290043e-03
	C18	4.718372e-03	4.353748e-04	2.006623e-05	4.200732e-03
	C19	4.563780e-02	1.871405e-04	1.431044e-05	1.706937e-03
	C24	1.111886e-02	1.424739e-04	2.033953e-05	1.331522e-02
	C20-21	2.594690e+00	2.973828e-02	5.121039e-04	1.580113e+00
	C22	1.162738e-02	4.451251e-04	2.719089e-05	5.615410e-03
	C23	7.566012e-03	3.207823e-04	4.125448e-05	4.682450e-04
	C25_33	5.073983e-03	5.597470e-04	1.068350e-05	7.476399e-04
	C25	5.376118e-03	1.160883e-03	1.830750e-05	1.246660e-03
	C26	4.382343e-03	6.892698e-04	1.154231e-05	4.229977e-04
	C27	5.696765e-02	2.858841e-02	3.225340e-04	2.036209e-02
	C28_32	3.886371e-02	1.581519e-02	1.674589e-04	1.237318e-02
	C29	5.171058e-03	6.064091e-04	1.415034e-05	1.165030e-03
	C30	6.420899e-03	2.539989e-04	1.213623e-05	5.387050e-04
	C31	5.467754e-02	1.079646e-02	7.631805e-05	1.036056e-02
	E37-39	1.284847e-02	1.135355e-03	1.986094e-05	3.049956e-03
	D35	1.479296e-02	1.437893e-03	1.880474e-05	3.210627e-03
	E36	1.451218e-04	6.778213e-05	5.016859e-07	1.159186e-04
	F	2.455001e-02	1.777265e-02	1.045820e-03	6.380319e-02
	G45	6.317407e-03	6.055674e-04	6.466599e-05	4.205136e-03
	G47	2.271965e-02	1.462229e-03	1.635340e-04	6.627750e-03
	G46	7.298502e-02	6.606683e-03	6.666201e-04	4.949777e-02
	I	8.929439e-03	1.511279e-03	1.778285e-04	8.361406e-03
	H49	7.315735e-02	1.466875e-02	1.172796e-03	5.032259e-02
	H50	7.437581e-03	1.510730e-03	2.084420e-04	4.455715e-02
	H51	6.087895e-03	3.390583e-03	3.108349e-04	1.184528e-02
	H52	3.239870e-02	8.740698e-03	3.670270e-04	6.905182e-02
	H53	7.936130e-03	7.830369e-04	8.026730e-05	5.944675e-03
	K64	1.746269e-01	1.543666e-02	4.854201e-04	3.491849e-02
	K65	3.264746e-03	4.842056e-04	5.033359e-05	2.955745e-03
	K66	6.508610e-03	6.046183e-04	2.317290e-05	1.851550e-03
	L68	3.457073e-03	5.893593e-04	6.493133e-05	6.692049e-03
	M_N	9.706297e-02	2.088166e-02	9.545283e-04	1.051104e-01
	J62_63	4.139489e-04	2.481955e-04	6.211874e-06	1.852764e-03
	O84	8.667199e-03	1.021305e-03	1.601981e-05	1.538487e-03
	P85	4.634870e-04	2.636444e-04	4.166291e-05	4.809653e-03
	R_S	1.029763e-02	1.036315e-03	5.015098e-05	5.416670e-03
	T	1.793058e-03	1.161429e-04	1.224362e-05	3.420927e-04
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WE	A01	2.156739e+00	3.188541e-01	7.090480e-04	2.713931e-02
	A02	1.975725e-03	3.753982e+00	3.374553e-05	9.974716e-04
	A03	3.020676e-04	6.984223e-03	2.190035e-03	2.875486e-04
	B_nongas	1.449011e-01	4.006805e-02	1.157509e-03	3.657312e-01
	B_gas	5.692122e-03	6.541629e-04	3.454787e-05	7.265540e-03
	C10-12	1.359042e+00	4.774001e-02	5.511173e-03	2.595875e-02
	C13-15	7.455549e-02	9.274395e-03	1.631609e-04	7.501326e-03
	C16	9.281814e-02	1.759616e-02	9.850857e-04	4.324731e-02
	C17	3.141204e-02	4.229805e-02	2.598319e-04	1.973354e-02

	C18	1.187502e-02	3.301121e-03	8.423375e-05	1.613200e-02
	C19	1.737972e-01	3.794374e-02	2.212400e-04	1.564918e-01
	C24	2.765441e-02	3.195152e-03	1.879432e-04	1.905086e-01
	C20-21	4.264162e-01	1.491021e-02	5.225439e-04	7.746699e-02
	C22	2.341736e-01	7.421907e-03	6.202490e-04	1.339800e-01
	C23	1.519880e-01	5.614600e-03	1.297061e-02	2.549356e-02
	C25_33	2.285731e-01	2.760397e-02	3.582261e-04	3.092318e-02
	C25	1.034633e-01	5.448523e-02	5.588068e-04	4.285660e-02
	C26	1.394897e-02	5.914963e-03	7.683025e-05	2.698169e-03
	C27	3.597484e+00	1.999690e+00	2.181982e-02	1.384841e+00
	C28_32	3.880418e-02	1.726339e-02	2.269659e-04	1.526274e-02
	C29	5.545626e-02	2.591903e-02	3.470412e-04	2.194575e-02
	C30	8.424619e-03	2.497296e-03	6.724829e-05	3.452149e-03
	C31	1.029215e+00	2.219008e-01	1.461694e-03	2.084563e-01
	E37-39	1.112379e-02	2.464184e-02	1.657404e-04	6.039105e-03
	D35	5.611004e-02	8.300071e-02	5.699954e-04	2.569067e-02
	E36	2.166958e-03	3.583278e-03	4.537644e-05	1.686078e-03
	F	1.405880e-01	1.113037e-01	5.070553e-03	3.176678e-01
	G45	7.003316e-03	9.192332e-03	8.418576e-05	5.174384e-03
	G47	5.528771e-02	2.297828e-02	3.182446e-04	6.020762e-02
	G46	7.659779e-02	2.981856e-02	1.177419e-03	7.419628e-02
	I	1.643591e-02	1.043218e-02	3.898823e-04	2.261228e-02
	H49	3.922441e-01	1.065849e-01	7.028317e-03	2.552136e-01
	H50	1.154451e-02	2.351638e-03	2.759085e-04	5.412216e-02
	H51	8.943580e-03	1.386320e-02	4.249566e-04	1.666471e-02
	H52	9.477061e-02	3.452967e-02	1.118876e-03	1.904315e-01
	H53	3.231476e-02	3.437784e-03	4.127350e-04	3.123541e-02
	K64	7.617416e-01	6.631266e-02	2.075726e-03	1.519773e-01
	K65	8.776501e-03	1.296929e-03	1.341176e-04	7.961839e-03
	K66	1.511371e-02	1.382171e-03	4.880637e-05	4.005704e-03
	L68	5.668178e-03	1.063207e-03	1.076113e-04	1.187962e-02
	M_N	2.979009e-01	5.499942e-02	2.513576e-03	4.066896e-01
	J62_63	1.323694e-03	9.728115e-04	2.032212e-05	7.347042e-03
	O84	2.407248e-03	1.153807e-02	2.678100e-05	2.512319e-03
	P85	9.430195e-04	5.248789e-03	5.729105e-05	6.749098e-03
	R_S	1.175799e-02	9.034430e-03	1.029262e-04	1.219463e-02
	T	9.622299e-04	9.116836e-05	4.731463e-06	5.834700e-04
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WF	A01	7.240855e+01	1.625261e-02	9.827942e-04	2.676541e-02
	A02	6.115705e-02	1.438738e-01	1.340155e-05	1.105305e-03
	A03	3.841658e-02	3.538390e-04	1.858203e-02	5.354494e-04
	B_nongas	6.713063e-02	7.570997e-03	4.426571e-04	1.181578e-01
	B_gas	1.584444e-02	5.458399e-04	2.691905e-05	5.826605e-03
	C10-12	1.383328e-01	2.987544e-03	1.004143e-03	3.636894e-03
	C13-15	6.910366e-02	3.706586e-03	1.456836e-04	2.019852e-03
	C16	6.675027e-03	4.815408e-04	6.485570e-05	2.913523e-03
	C17	2.881669e-03	1.009948e-03	1.504529e-05	8.682235e-04
	C18	1.798851e-03	2.112833e-04	1.058637e-05	2.183659e-03

	C19	6.721701e-03	8.291294e-04	1.991317e-05	3.999247e-03
	C24	8.127679e-03	1.807263e-03	3.327334e-05	1.082778e-02
	C20-21	2.303372e-01	1.770032e-03	4.267262e-05	5.882138e-02
	C22	2.341143e-02	1.979940e-03	7.318539e-05	1.051181e-02
	C23	1.747843e-02	1.448642e-03	9.988479e-04	2.849296e-03
	C25_33	2.623148e-02	1.045042e-02	1.195876e-04	7.667425e-03
	C25	4.485705e-02	2.289872e-02	2.488677e-04	1.769840e-02
	C26	4.028042e-03	1.853277e-03	2.149718e-05	1.220929e-03
	C27	2.529715e+00	1.407846e+00	1.530990e-02	9.728914e-01
	C28_32	2.124911e-02	1.043523e-02	1.163636e-04	7.722064e-03
	C29	2.015887e-02	9.396515e-03	1.052569e-04	6.692702e-03
	C30	2.858467e-03	1.088707e-03	1.488166e-05	8.897125e-04
	C31	5.420090e-02	1.177818e-02	8.408563e-05	1.121544e-02
	E37-39	7.323787e-03	1.808192e-03	2.669217e-05	2.230410e-03
	D35	1.118634e-02	3.996055e-03	4.956193e-05	3.437482e-03
	E36	3.597133e-04	1.656459e-04	2.437048e-06	1.760263e-04
	F	3.541155e-02	2.249341e-02	8.119375e-04	5.029060e-02
	G45	1.271394e-02	5.933610e-03	8.178239e-05	4.957137e-03
	G47	3.415532e-02	5.810172e-03	1.303373e-04	6.243814e-03
	G46	1.447047e-01	5.459626e-02	9.476868e-04	5.883494e-02
	I	3.673854e-03	8.598302e-04	7.243541e-05	4.296473e-03
	H49	2.068687e-02	4.892933e-03	3.431599e-04	1.251219e-02
	H50	3.587529e-02	7.280653e-03	1.025955e-03	2.207034e-01
	H51	2.271668e-03	1.191208e-03	7.763391e-05	3.142101e-03
	H52	2.211880e-02	7.755961e-03	2.148456e-04	3.592050e-02
	H53	9.597967e-03	3.256003e-03	8.185022e-05	6.316537e-03
	K64	1.132296e-01	9.939900e-03	3.120784e-04	2.265544e-02
	K65	6.522169e-03	9.699923e-04	1.017797e-04	5.951038e-03
	K66	2.938691e-03	2.801281e-04	1.096906e-05	9.492197e-04
	L68	1.867555e-03	3.464639e-04	3.627005e-05	3.975691e-03
	M_N	6.665905e-02	1.292228e-02	6.169124e-04	8.293259e-02
	J62_63	3.290755e-04	1.601585e-04	3.807191e-06	1.043826e-03
	O84	1.519312e-02	2.125659e-04	1.109209e-05	1.114177e-03
	P85	2.344321e-04	1.677109e-04	2.595326e-05	2.990280e-03
	R_S	2.447148e-03	2.465656e-04	1.758222e-05	2.480351e-03
	T	1.058069e-03	9.852329e-05	3.684111e-06	2.148361e-04
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WM	A01	8.662421e+00	1.167431e-02	3.138538e-04	1.291415e-01
	A02	1.081153e-02	1.061242e-01	5.253972e-06	1.208720e-02
	A03	2.173206e-03	1.425888e-04	5.961398e-03	5.322166e-04
	B_nongas	2.565172e-01	1.052136e-02	4.557187e-04	3.877307e-01
	B_gas	7.870781e-02	3.305259e-03	8.594656e-05	1.509896e-01
	C10-12	8.928890e-01	3.088785e-03	3.197867e-03	9.623875e-02
	C13-15	7.418034e-02	2.781179e-03	1.304041e-04	7.386041e-03
	C16	1.055330e-02	7.209046e-04	7.543804e-05	8.963696e-03
	C17	1.753487e-02	3.670210e-03	3.565190e-05	2.180241e-02
	C18	6.271426e-03	5.364781e-04	2.481196e-05	9.468566e-03
	C19	1.626006e-02	4.069789e-03	3.076120e-05	1.971002e-02

C24	2.783299e-02	1.565486e-03	4.598656e-05	1.506480e-01
C20-21	1.343439e+00	3.605632e-02	8.479296e-04	1.865592e+00
C22	2.275641e-01	2.282508e-03	5.218723e-04	1.351291e-01
C23	6.576427e-02	1.039889e-03	4.119083e-03	3.294851e-02
C25_33	9.631534e-02	8.905705e-03	1.178366e-04	2.580446e-02
C25	6.478947e-02	2.310476e-02	2.542712e-04	4.211418e-02
C26	3.876123e-02	1.724595e-02	1.508960e-04	8.062139e-03
C27	2.002658e+00	1.111305e+00	1.209906e-02	7.766609e-01
C28_32	1.043032e-01	4.099301e-02	4.288130e-04	4.967374e-02
C29	2.307701e-02	9.775804e-03	1.214699e-04	1.244316e-02
C30	5.904830e-03	1.263908e-03	2.433958e-05	5.704442e-03
C31	4.587889e-02	6.365401e-03	5.536428e-05	3.540267e-02
E37-39	1.889128e-02	1.856178e-03	3.164758e-05	1.935060e-02
D35	4.402844e-02	1.080890e-02	1.688246e-04	7.188010e-02
E36	1.868725e-03	3.265179e-04	9.141038e-06	2.023431e-03
F	6.493957e-02	5.108763e-02	2.944616e-03	1.841518e-01
G45	1.281655e-02	1.508610e-03	6.384195e-05	1.771195e-02
G47	2.783302e-02	2.505775e-03	2.264652e-04	2.268055e-02
G46	1.523894e-01	2.636039e-02	1.403149e-03	1.619594e-01
I	4.582699e-02	9.779778e-03	1.056273e-03	6.635678e-02
H49	9.560197e-02	2.176698e-02	1.720642e-03	5.986623e-02
H50	2.437329e-02	5.033860e-03	6.781578e-04	1.445478e-01
H51	2.069215e-02	1.162507e-02	1.163142e-03	4.317886e-02
H52	5.392179e-02	1.572224e-02	6.192203e-04	1.104489e-01
H53	2.546931e-02	2.970614e-03	2.843023e-04	2.674041e-02
K64	5.016689e-01	4.688842e-02	1.496508e-03	1.012838e-01
K65	1.221269e-02	1.824805e-03	1.890325e-04	1.111393e-02
K66	1.249706e-02	1.227580e-03	4.393870e-05	3.381340e-03
L68	4.676290e-03	9.084492e-04	8.831441e-05	9.715818e-03
M_N	3.391961e-01	9.861965e-02	4.151584e-03	3.186067e-01
J62_63	1.843840e-03	2.280405e-03	3.973990e-05	1.537950e-02
O84	2.791757e-02	1.542098e-03	4.426439e-05	1.378688e-02
P85	1.261125e-03	8.809513e-04	1.347782e-04	1.575279e-02
R_S	1.702462e-02	1.251849e-03	1.040851e-04	1.867348e-02
T	1.625241e-03	1.675699e-04	8.984150e-06	7.059552e-04
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

region	sector	B_gas	C10-12	C13-15	C16
AT	A01	9.312054e-03	2.440207e+03	6.279306e+00	1.444887e+00
	A02	1.541371e-03	8.199038e+00	2.748550e-01	8.074464e+02
	A03	0.000000e+00	3.238270e+00	0.000000e+00	0.000000e+00
	B_nongas	3.869381e+01	2.751082e+01	1.681470e+00	9.472379e+00
	B_gas	4.796187e-02	3.342747e+00	4.430041e+00	1.231032e+01
	C10-12	3.925156e-01	7.609533e+02	5.784893e+01	5.171450e+00
	C13-15	7.672194e-02	4.391370e+00	1.943997e+02	1.877052e+00
	C16	3.971475e-01	4.312915e+01	8.588544e+00	1.899540e+03

	C17	1.015023e+00	2.612910e+02	2.909218e+01	1.156192e+02
	C18	4.871821e-01	1.712488e+01	5.414422e+00	3.197639e+00
	C19	5.888715e-01	2.330053e+01	1.076843e+01	2.408219e+01
	C24	2.890761e-01	2.987426e+01	6.170542e+00	2.581763e+01
	C20-21	8.783983e-01	3.539758e+01	1.063132e+02	2.654287e+01
	C22	4.753986e-01	2.820938e+02	3.843672e+01	7.779613e+01
	C23	3.848536e-01	3.273834e+01	1.570670e+01	2.279848e+01
	C25_33	4.050333e-01	1.514063e+02	1.793949e+01	6.453832e+01
	C25	1.030403e+00	4.221947e+01	7.345970e+00	1.079064e+01
	C26	2.051204e-03	4.610209e-01	1.990094e-01	2.427672e-01
	C27	2.079167e+00	2.199128e+01	6.346008e+00	1.147150e+01
	C28_32	1.147941e-01	1.555075e+01	6.507844e-01	2.244697e+00
	C29	2.272119e-01	1.646629e+01	7.650170e+00	5.877314e+00
	C30	3.375613e-02	1.629168e+00	4.146935e-01	4.582998e-01
	C31	5.615813e-01	5.603767e+01	1.781963e+01	4.185929e+01
	E37-39	7.397467e-01	1.637600e+01	2.511118e+00	1.055786e+02
	D35	4.633722e+00	2.944964e+02	7.082858e+01	2.193630e+02
	E36	4.381792e-02	1.315984e+01	5.812883e+00	5.805430e+00
	F	1.168439e+01	3.222141e+02	6.264801e+01	3.130933e+02
	G45	1.746756e+00	1.004291e+02	2.950605e+01	3.638732e+01
	G47	2.833092e+00	2.819773e+02	4.643535e+01	1.509235e+02
	G46	6.523864e+00	1.205828e+03	4.368392e+02	5.678422e+02
	I	1.145901e+00	9.539959e+01	1.439122e+01	1.867967e+01
	H49	2.826021e+00	7.310103e+02	9.565948e+01	4.806518e+02
	H50	2.564984e-02	3.732048e+00	9.651947e-01	4.742163e-01
	H51	7.838229e-01	5.028070e+01	7.634159e+00	1.009964e+01
	H52	3.123420e+00	4.469194e+02	3.970648e+01	1.841458e+02
	H53	2.750238e+00	9.817735e+01	1.327302e+01	1.555814e+01
	K64	8.553048e+00	3.512488e+02	5.944234e+01	1.316989e+02
	K65	2.530330e+00	5.410637e+01	8.296577e+00	2.237283e+01
	K66	1.843360e-01	1.423299e+01	2.443332e+00	5.220195e+00
	L68	5.606610e-01	3.627988e+02	8.871988e+01	1.649969e+02
	M_N	4.660685e+01	2.156767e+03	1.877780e+02	2.979846e+02
	J62_63	3.456634e+00	1.166631e+01	1.118815e+01	2.648770e+00
	O84	5.208182e-01	2.881368e+01	3.609356e+00	6.355166e+00
	P85	2.380073e+00	1.023141e+01	4.276471e+00	6.199477e+00
	R_S	8.050468e-01	2.377062e+01	3.939069e+01	7.442852e+00
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
BE	A01	5.037181e-06	3.715341e+00	2.066656e-02	7.040285e-03
	A02	5.087182e-07	4.278693e-04	1.849037e-05	4.881456e-02
	A03	7.819110e-07	6.588327e-03	3.519171e-05	5.102499e-05
	B_nongas	1.278075e-04	2.163006e-01	7.956801e-03	9.302025e-02
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	3.155897e-04	8.395074e+00	8.322021e-01	1.390894e-02
	C13-15	1.597991e-04	2.561028e-01	1.040739e+01	3.565906e-02
	C16	1.827565e-04	4.427933e-02	7.455084e-03	9.540901e+00
	C17	8.301719e-04	5.321942e-01	8.797404e-02	4.566159e-01

	C18	5.156876e-04	3.470343e-02	8.078955e-03	1.801716e-02
	C19	1.563127e-02	3.718188e-01	1.068070e-01	8.146900e-01
	C24	1.526579e-04	2.077401e-01	1.805024e-02	4.882803e-01
	C20-21	4.314128e-03	1.472421e+00	3.076132e-01	4.624179e-01
	C22	2.405693e-03	6.007459e+00	5.996197e-01	7.120993e-01
	C23	1.353395e-04	2.135938e+00	1.216330e-01	1.208148e+00
	C25_33	6.767436e-04	1.824317e+00	1.212043e-01	3.522948e-01
	C25	9.596600e-04	6.916597e-02	1.725373e-02	2.913600e-02
	C26	7.562583e-05	3.557564e-02	6.425427e-04	1.844912e-03
	C27	3.628280e-03	9.719323e-02	1.560817e-02	3.547119e-02
	C28_32	1.734705e-04	3.880113e-02	4.846455e-03	7.640342e-03
	C29	5.941488e-04	1.821459e-01	3.208177e-02	4.914299e-02
	C30	1.094613e-05	1.610761e-02	1.621013e-03	3.074880e-03
	C31	3.208688e-04	1.164841e-01	4.540904e-02	2.762637e-02
	E37-39	1.600216e-03	3.074714e-02	8.056100e-03	4.354299e-02
	D35	1.463107e-02	2.806529e-01	5.272953e-02	8.419057e-02
	E36	1.915600e-04	1.934329e-02	1.459971e-03	5.854891e-03
	F	5.557849e-03	5.514764e-01	4.339566e-02	1.587045e-01
	G45	2.825141e-04	1.350860e-01	1.194432e-02	1.044113e-01
	G47	5.209295e-05	1.552364e-02	2.436463e-03	1.266820e-02
	G46	2.114198e-02	4.216312e+00	2.404394e+00	1.923989e+00
	I	2.832530e-03	3.189514e-01	3.460723e-02	4.964024e-02
	H49	4.239896e-03	6.587607e+00	3.288598e-01	5.371868e+00
	H50	1.076185e-03	2.083247e-01	7.104835e-02	2.611016e-01
	H51	1.953858e-02	9.397281e-01	1.770198e-01	2.454977e-01
	H52	7.890380e-03	4.183458e+00	3.075517e-01	1.683330e+00
	H53	3.616553e-03	1.680906e-01	1.992165e-02	8.085257e-02
	K64	1.019704e-02	4.105974e-01	7.357861e-02	1.669186e-01
	K65	3.478244e-03	4.433792e-02	1.085800e-02	2.990668e-02
	K66	2.799088e-05	2.238870e-03	4.969008e-04	1.032968e-03
	L68	2.521326e-05	2.731352e-02	4.193835e-03	2.017079e-02
	M_N	1.098495e-01	8.537843e+00	5.903885e-01	8.193633e-01
	J62_63	3.382913e-03	3.023105e-02	1.224677e-02	4.975115e-03
	O84	9.887199e-04	4.237982e-02	7.837234e-03	1.143342e-02
	P85	7.360429e-04	1.978559e-02	1.668555e-02	6.091918e-03
	R_S	7.015685e-04	5.544152e-02	9.140499e-03	1.047281e-02
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
BG	A01	2.143520e-05	6.471583e-01	8.183315e-03	3.746578e-03
	A02	6.172029e-06	2.870765e-03	3.205458e-04	6.685209e-02
	A03	1.127017e-06	2.470531e-04	6.688105e-05	1.013314e-04
	B_nongas	1.991838e-05	1.447589e-02	8.377403e-04	1.332939e-02
	B_gas	1.345799e-01	6.199075e-02	1.891544e-02	5.969081e-03
	C10-12	3.036776e-04	1.804166e+00	1.300303e-01	2.874967e-02
	C13-15	7.426738e-05	4.131285e-02	3.104220e+00	8.713630e-03
	C16	6.894843e-04	1.432390e-02	1.920980e-03	8.418887e-01
	C17	3.817533e-04	2.323442e-01	1.806309e-02	2.169428e-01
	C18	2.561793e-04	1.325329e-02	2.059576e-03	5.757072e-03

	C19	1.933251e-03	9.083749e-02	2.800240e-02	2.277939e-01
	C24	4.817049e-04	5.417955e-02	1.584812e-02	2.771712e-02
	C20-21	1.814473e-03	1.604379e+00	1.116499e+00	9.923660e-01
	C22	3.870500e-04	9.582389e-01	8.654156e-02	1.169864e-01
	C23	2.493996e-04	2.838309e-01	4.927351e-02	1.871895e-01
	C25_33	7.411321e-05	4.403867e-01	1.079185e-02	7.750000e-02
	C25	5.164920e-04	3.610268e-02	1.038161e-02	1.617427e-02
	C26	2.827887e-05	6.733845e-03	2.872567e-04	6.217434e-04
	C27	3.219409e-04	1.363915e-02	3.261071e-03	7.624495e-03
	C28_32	8.768620e-06	2.183557e-02	5.064334e-04	5.627878e-03
	C29	2.137599e-05	1.791080e-03	4.557924e-04	8.007191e-04
	C30	7.969029e-06	9.716095e-03	3.725272e-04	3.158278e-03
	C31	1.147863e-03	1.363730e-01	7.667926e-02	6.738128e-02
	E37-39	1.452417e-04	4.361533e-03	1.981894e-03	4.933299e-03
	D35	4.764892e-05	6.125965e-03	1.279708e-03	3.902271e-03
	E36	2.660323e-05	3.094505e-04	6.039491e-05	3.191024e-04
	F	1.884644e-03	4.969890e-02	5.670577e-03	4.475574e-02
	G45	2.609608e-04	1.169492e-01	6.849735e-03	6.359188e-02
	G47	3.460999e-03	5.840150e-01	2.316291e-01	2.585662e-01
	G46	4.565950e-03	8.928494e-01	4.759791e-01	3.911550e-01
	I	1.925940e-03	2.276945e-01	2.467310e-02	3.996334e-02
	H49	4.015426e-03	6.031207e+00	2.699923e-01	5.062070e+00
	H50	6.265962e-04	9.049185e-02	1.767920e-02	6.101092e-02
	H51	3.203033e-03	1.537509e-01	2.904236e-02	4.021069e-02
	H52	2.710812e-03	1.896897e+00	1.349916e-01	7.696495e-01
	H53	4.234884e-03	1.623448e-01	2.327859e-02	5.077453e-02
	K64	2.394278e-03	9.922467e-02	1.763870e-02	3.988249e-02
	K65	4.800451e-04	2.256456e-02	2.504593e-03	6.432955e-03
	K66	4.549238e-05	2.986893e-03	3.768210e-04	9.593886e-04
	L68	1.164925e-03	7.651354e-02	8.862311e-03	1.421364e-02
	M_N	1.770388e-02	1.370275e+00	1.118009e-01	1.345870e-01
	J62_63	3.316229e-03	1.327696e-02	1.080210e-02	2.450006e-03
	O84	5.320805e-07	9.215235e-05	1.615949e-05	1.818458e-05
	P85	1.045927e-05	1.012004e-03	8.870458e-05	3.459277e-04
	R_S	1.247028e-04	9.822156e-03	1.887059e-03	2.103307e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CY	A01	7.037500e-08	8.173585e-02	6.268656e-03	8.279995e-04
	A02	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	5.071380e-07	5.845881e-03	1.133730e-05	8.340875e-04
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	4.347750e-06	1.932211e+00	7.201827e-02	4.827606e-05
	C13-15	1.561973e-06	2.509981e-04	4.464895e-03	1.366853e-04
	C16	4.736235e-07	1.015590e-04	2.681478e-05	1.518203e-02
	C17	1.452356e-06	9.211678e-04	6.839721e-05	8.315825e-04
	C18	4.524574e-06	4.363187e-05	5.261760e-05	3.694877e-05
	C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

	C24	3.137433e-06	8.921591e-05	3.493346e-06	4.952084e-04
	C20-21	2.866183e-08	1.467034e-05	3.194645e-06	1.289471e-06
	C22	2.472553e-05	3.165167e-02	2.813732e-03	3.766886e-03
	C23	8.520294e-09	6.475631e-06	2.803841e-05	2.736009e-06
	C25_33	1.208309e-05	3.264501e-03	6.431599e-04	6.307877e-04
	C25	1.370986e-05	1.481103e-04	4.236235e-05	1.575676e-04
	C26	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C27	8.914495e-05	7.417201e-04	2.593858e-04	7.094544e-04
	C28_32	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C29	2.621735e-08	5.324984e-05	1.288963e-05	8.455240e-06
	C30	1.000175e-07	1.157947e-06	4.969031e-07	9.306888e-07
	C31	4.645110e-06	7.457779e-04	5.626740e-04	5.042249e-04
	E37-39	2.526134e-04	1.599984e-03	4.499482e-04	1.423303e-03
	D35	9.147900e-11	5.356686e-08	1.994884e-08	2.933869e-08
	E36	2.324659e-11	4.969937e-08	1.651650e-08	2.796836e-08
	F	3.986869e-06	2.871013e-05	7.064498e-06	3.828417e-05
	G45	2.065375e-06	1.249429e-04	4.228855e-05	5.205175e-05
	G47	3.052177e-06	6.038363e-04	4.170364e-04	5.053282e-04
	G46	1.435823e-04	6.936959e-03	7.726220e-03	1.170870e-02
	I	1.667076e-03	1.919020e-01	2.108558e-02	3.020036e-02
	H49	1.181668e-03	1.747475e+00	9.131212e-02	1.451273e+00
	H50	6.584110e-04	2.053198e-01	5.496963e-02	2.729176e-01
	H51	1.479735e-03	7.100779e-02	1.339646e-02	1.854422e-02
	H52	1.688310e-04	1.384669e-01	1.007268e-02	4.337787e-02
	H53	1.383444e-05	4.174021e-05	4.470002e-05	1.345459e-05
	K64	4.613246e-03	1.767881e-01	3.506953e-02	8.088349e-02
	K65	1.816474e-04	2.322765e-03	5.668762e-04	1.567218e-03
	K66	9.275576e-07	9.834713e-05	1.933439e-05	4.406937e-05
	L68	1.781543e-06	3.808798e-03	1.265770e-03	2.143404e-03
	M_N	2.927481e-03	2.310045e-01	1.619850e-02	2.048868e-02
	J62_63	2.079199e-04	3.005871e-04	6.791635e-04	1.410190e-04
	O84	3.010474e-09	5.213916e-07	9.142927e-08	1.028871e-07
	P85	6.310361e-05	1.893348e-04	2.525226e-05	1.514198e-04
	R_S	6.047866e-06	7.450271e-05	7.642234e-04	1.965708e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CZ	A01	1.126674e-05	3.735217e+01	8.450354e-02	2.502439e-01
	A02	1.587339e-04	1.168168e+00	3.448215e-02	1.240096e+02
	A03	3.620533e-06	1.017432e-01	2.121411e-03	1.414356e-01
	B_nongas	1.327350e-04	3.186731e-01	7.680344e-02	1.518243e-01
	B_gas	1.376203e-05	1.611931e-03	1.377966e-04	4.010662e-04
	C10-12	2.748197e-03	2.408157e+01	1.663905e+00	5.866774e-01
	C13-15	1.266787e-03	1.016846e+00	1.664055e+01	2.420218e-01
	C16	1.619889e-03	5.588055e-01	9.184034e-02	8.668555e+01
	C17	1.092845e-02	6.727962e+00	5.461801e-01	6.235696e+00
	C18	5.213572e-03	2.546598e-01	7.915872e-02	1.181003e-01
	C19	5.799739e-03	2.367661e-01	6.566437e-02	6.501947e-01
	C24	4.005748e-04	6.286747e-01	7.871325e-02	1.181644e+00

	C20-21	2.491360e-02	2.460573e+01	1.749068e+01	1.512671e+01
	C22	7.124706e-03	1.748486e+01	1.863107e+00	3.031849e+00
	C23	4.830296e-04	4.043576e+00	7.492578e-01	2.329200e+00
	C25_33	1.446416e-03	6.591668e+00	3.964167e-01	1.494217e+00
	C25	3.672097e-03	7.105661e-01	1.162204e-01	3.136574e-01
	C26	4.585058e-05	2.643101e+00	3.069410e-02	1.255949e-01
	C27	2.787987e-02	7.811399e-01	1.749269e-01	3.517667e-01
	C28_32	3.935605e-04	2.562307e-01	4.257742e-02	7.935523e-02
	C29	3.742822e-03	4.570766e-01	1.897616e-01	1.889999e-01
	C30	3.429916e-04	5.316064e-02	3.430728e-03	1.389758e-02
	C31	5.857016e-03	8.448726e-01	5.079668e-01	7.502640e-01
	E37-39	1.004250e-03	1.127429e-01	2.059700e-02	7.501408e-02
	D35	3.120818e-04	8.862492e-02	1.565570e-02	1.078511e-01
	E36	4.118551e-05	1.241978e-02	3.700495e-04	6.712195e-03
	F	5.259492e-03	2.729706e-01	2.057673e-02	1.207100e+00
	G45	4.056086e-04	1.287160e-01	8.199849e-03	7.878092e-02
	G47	4.940913e-03	7.946201e-01	2.244820e-01	1.883778e-01
	G46	8.970514e-03	2.789599e+00	1.188273e+00	3.874430e+00
	I	3.483616e-03	4.473924e-01	6.124042e-02	1.023418e-01
	H49	8.154386e-03	1.254000e+01	5.875763e-01	1.088994e+01
	H50	1.473322e-04	4.379305e-02	1.180923e-02	5.794126e-02
	H51	1.707687e-03	1.157602e-01	1.749571e-02	3.196796e-02
	H52	6.399424e-03	4.661401e+00	3.211978e-01	2.061834e+00
	H53	1.824932e-03	5.193606e-02	8.595512e-03	1.579577e-02
	K64	1.619699e-03	6.096767e-02	1.219254e-02	2.789275e-02
	K65	4.309719e-03	5.510954e-02	1.344974e-02	3.718348e-02
	K66	2.587827e-05	2.741647e-03	5.420922e-04	1.228317e-03
	L68	1.660435e-03	1.433585e-01	1.590551e-02	7.650315e-02
	M_N	5.784257e-02	4.708014e+00	4.164912e-01	2.082599e+00
	J62_63	3.149641e-03	1.385997e-01	1.631719e-02	1.058591e-02
	O84	1.103010e-04	3.156187e-02	2.188137e-03	2.722267e+00
	P85	3.995875e-04	3.465980e-02	4.144503e-03	5.385422e-03
	R_S	4.638012e-04	4.252743e-02	1.534142e-02	1.158715e-01
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
DE	A01	4.568982e-04	1.276064e+02	1.450062e+00	1.134308e-01
	A02	1.322247e-04	1.101131e+00	3.630309e-02	1.349847e+02
	A03	0.000000e+00	5.214630e-01	0.000000e+00	0.000000e+00
	B_nongas	3.985590e-03	6.178972e+00	9.174350e-02	1.399300e+00
	B_gas	9.244062e-03	2.251706e-01	3.422706e-02	5.383529e-01
	C10-12	1.455753e-02	2.785276e+02	3.467371e+01	1.159680e-01
	C13-15	4.181749e-03	3.132610e+00	2.098079e+02	5.542851e-01
	C16	6.131779e-03	2.305152e+00	5.226514e-01	3.313963e+02
	C17	1.867664e-01	1.146200e+02	8.974479e+00	1.079967e+02
	C18	4.497687e-02	1.437505e+00	6.320993e-01	4.338896e-01
	C19	6.013807e-01	1.428465e+01	2.359526e+00	5.519118e+01
	C24	1.695090e-02	4.423485e+00	1.155896e-01	1.501786e+01
	C20-21	8.000434e-02	1.607710e+01	5.523510e+00	7.094044e+00

	C22	8.927091e-02	2.232241e+02	2.963183e+01	3.163852e+01
	C23	3.550561e-03	4.170618e+01	3.150368e+00	2.293273e+01
	C25_33	8.732135e-03	6.601298e+01	1.766440e+00	1.254221e+01
	C25	5.410608e-02	6.250586e+00	1.217266e+00	1.894809e+00
	C26	5.786381e-04	9.297709e+00	9.759712e-02	4.442965e-01
	C27	2.271687e-01	3.322355e+00	7.003002e-01	2.076907e+00
	C28_32	8.286198e-03	2.967961e+00	1.094848e-01	7.871515e-01
	C29	1.421915e-02	1.565548e+00	3.226705e+00	4.114986e-01
	C30	1.916783e-03	2.645143e-01	4.200087e-02	7.285215e-02
	C31	4.872446e-02	5.884243e+00	3.355848e+00	3.884916e+00
	E37-39	1.863798e-02	1.470099e+00	7.873522e-02	2.520469e-01
	D35	4.847960e-02	3.298477e+00	2.207552e-01	5.972576e-01
	E36	3.626711e-03	1.660137e-01	1.310492e-02	3.250063e-02
	F	1.714771e-01	4.983406e+00	5.170248e-01	5.188330e+00
	G45	4.956874e-03	3.741647e-01	2.682985e-02	3.686963e-02
	G47	7.657689e-03	8.306190e-01	1.863760e-01	1.990752e-01
	G46	4.875954e-02	1.445765e+01	3.840423e+00	2.364258e+00
	I	8.356500e-02	1.043499e+01	1.410007e+00	1.512350e+00
	H49	5.493098e-02	7.949593e+01	4.154510e+00	6.528937e+01
	H50	3.713822e-02	3.367945e+00	8.173896e-01	6.041009e+00
	H51	1.353782e-01	6.521115e+00	1.222030e+00	1.698462e+00
	H52	4.723645e-02	3.672850e+01	2.531882e+00	1.418099e+01
	H53	4.027079e-02	1.068762e+00	2.065273e-01	3.778557e-01
	K64	9.892256e-02	3.784649e+00	7.516036e-01	1.731686e+00
	K65	4.087185e-02	5.217935e-01	1.279164e-01	3.518672e-01
	K66	6.059573e-04	4.973375e-02	1.017465e-02	2.226642e-02
	L68	1.916893e-04	3.710020e-01	1.233432e-01	2.087764e-01
	M_N	2.136419e+00	1.652078e+02	1.144723e+01	1.493820e+01
	J62_63	5.424716e-02	5.904794e-01	2.178833e-01	6.544309e-02
	O84	3.145343e-04	1.972836e-03	1.018220e-03	1.190977e-03
	P85	4.203117e-03	1.221183e-02	2.141814e-03	9.680208e-03
	R_S	1.975584e-03	2.359810e-02	2.213393e-01	1.681280e-01
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
DK	A01	1.427312e-04	3.050726e+00	1.267841e-01	1.175293e-03
	A02	1.719112e-07	4.406656e-01	1.446470e-02	3.677840e+00
	A03	1.570611e-07	8.673006e-02	4.081163e-07	1.260311e-06
	B_nongas	2.051901e-06	1.096216e-02	1.458793e-04	1.617541e-03
	B_gas	8.253178e-07	4.892181e-05	3.494112e-06	5.386539e-06
	C10-12	2.295460e-04	4.169289e+00	1.214160e+00	2.581186e-03
	C13-15	3.450499e-05	2.817809e-02	3.303010e+00	6.564767e-03
	C16	3.408244e-05	2.625393e-02	3.542568e-03	1.928767e+00
	C17	6.412019e-04	3.928227e-01	3.594104e-02	3.649911e-01
	C18	4.436733e-04	2.157328e-02	9.620345e-03	3.412473e-03
	C19	4.180331e-04	2.854397e-02	1.278024e-03	3.770147e-02
	C24	5.164858e-05	1.295383e-01	8.388860e-03	6.576132e-02
	C20-21	8.430617e-04	1.450345e-01	1.437446e-02	6.242966e-03
	C22	1.074121e-03	2.624354e+00	2.706471e-01	3.122380e-01

	C23	1.441273e-04	2.376346e-01	4.575454e-02	1.273093e-01
	C25_33	4.433626e-04	1.467448e+00	5.450256e-02	2.473165e-01
	C25	7.643044e-04	2.239771e-01	2.997816e-02	7.040252e-02
	C26	4.699163e-06	9.705282e-04	2.299270e-04	5.146196e-05
	C27	3.447884e-03	6.472340e-02	1.242507e-02	3.130898e-02
	C28_32	5.932675e-05	8.467278e-02	8.777779e-03	1.483763e-02
	C29	1.316144e-05	7.839642e-03	1.798108e-03	1.331958e-03
	C30	2.860917e-05	7.069762e-03	1.814935e-03	1.333125e-03
	C31	7.768706e-04	8.592044e-02	2.672362e-01	1.113126e-01
	E37-39	1.493323e-04	3.161777e-04	4.510172e-04	3.899114e-04
	D35	2.353446e-06	6.438336e-06	6.606389e-06	6.042787e-06
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	2.908052e-03	8.039321e-02	2.812666e-02	4.460053e-02
	G45	1.260464e-04	2.647185e-03	8.315603e-04	1.235165e-03
	G47	2.207448e-04	1.172588e-02	1.451921e-03	1.996314e-03
	G46	4.478258e-03	2.512188e-01	1.374813e-01	2.086586e-01
	I	2.674881e-03	2.992148e-01	3.198593e-02	4.581290e-02
	H49	1.060291e-03	2.198038e+00	9.607376e-02	1.851066e+00
	H50	4.329631e-04	1.124168e-01	3.270236e-02	1.479293e-01
	H51	1.603442e-03	7.683781e-02	1.450221e-02	2.006921e-02
	H52	7.084361e-04	5.664353e-01	4.116823e-02	1.773940e-01
	H53	4.357621e-04	8.628184e-03	1.953467e-03	2.790421e-03
	K64	2.119378e-03	8.810375e-02	1.532748e-02	3.408200e-02
	K65	8.804059e-04	1.109543e-02	2.747606e-03	7.480095e-03
	K66	3.234044e-05	6.188581e-04	1.985892e-04	2.735762e-04
	L68	8.807526e-06	2.974526e-03	9.744926e-04	1.653143e-03
	M_N	4.128086e-02	3.146170e+00	3.151594e-01	2.878857e-01
	J62_63	1.945271e-03	3.260218e-03	6.167401e-03	1.163193e-03
	O84	7.675198e-06	2.486661e-04	4.706252e-05	4.042353e-05
	P85	3.900688e-05	1.169898e-04	1.578833e-05	9.456117e-05
	R_S	6.855263e-05	2.575586e-03	2.471607e-03	2.007729e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
EE	A01	4.755582e-06	6.126357e-03	1.309925e-04	1.786104e-02
	A02	4.910405e-06	3.548185e-03	1.493193e-04	3.797430e-01
	A03	5.759261e-07	2.444476e-04	1.459705e-05	1.665801e-04
	B_nongas	8.885877e-06	3.366693e-03	1.704880e-04	3.445669e-03
	B_gas	1.780284e-06	1.127319e-03	5.538132e-05	1.218233e-03
	C10-12	7.397537e-05	5.995469e-02	8.610166e-03	1.428113e-03
	C13-15	9.538899e-06	2.189101e-03	1.336563e+00	1.579683e-03
	C16	1.315043e-04	3.289993e-02	4.849338e-03	5.891909e+00
	C17	2.445799e-04	1.481137e-01	1.089608e-02	1.391192e-01
	C18	2.215888e-05	3.726339e-03	3.503335e-04	2.941933e-03
	C19	4.879171e-06	3.605656e-04	2.510154e-05	1.937932e-04
	C24	9.158805e-06	7.169709e-04	2.754983e-05	1.267796e-03
	C20-21	1.012398e-05	2.084635e-04	4.423024e-04	5.925321e-04
	C22	2.357764e-05	4.735358e-02	4.087663e-03	2.799184e-02
	C23	1.955922e-05	3.026264e-02	1.648595e-03	1.758936e-02

	C25_33	2.492381e-05	7.019114e-02	1.444225e-03	1.175834e-02
	C25	2.414330e-05	4.183112e-03	4.975417e-04	1.763530e-03
	C26	1.029819e-06	9.125253e-04	1.345351e-05	4.718374e-05
	C27	6.913363e-05	2.943291e-03	3.776759e-04	1.330501e-03
	C28_32	2.579877e-06	2.352295e-03	7.759076e-05	5.070585e-04
	C29	2.960078e-06	1.118288e-03	6.267106e-05	1.765266e-03
	C30	6.430136e-07	4.049750e-06	1.596936e-06	5.154366e-06
	C31	5.341989e-05	6.321360e-03	1.171838e-02	3.697448e-02
	E37-39	1.733168e-05	4.734286e-03	3.679349e-04	1.302074e-03
	D35	8.698747e-05	4.068969e-03	3.260944e-04	7.143318e-04
	E36	5.264173e-06	3.491941e-04	2.350593e-05	8.585087e-05
	F	5.842961e-04	8.090470e-03	1.226657e-03	8.529958e-03
	G45	9.148182e-05	3.992501e-03	3.924066e-04	2.068399e-03
	G47	6.933334e-04	5.620680e-02	3.628769e-03	7.496992e-03
	G46	1.303201e-03	1.349932e-01	8.821295e-03	3.281998e-01
	I	1.974710e-04	2.151131e-02	2.177539e-03	3.539175e-03
	H49	5.772919e-04	8.075998e-01	3.861269e-02	6.714801e-01
	H50	6.756581e-04	1.731064e-01	4.583107e-02	2.253275e-01
	H51	4.319984e-04	2.241530e-02	4.007122e-03	5.916030e-03
	H52	7.635497e-04	5.823996e-01	4.224841e-02	1.843069e-01
	H53	8.410132e-05	2.151350e-03	3.512144e-04	7.441222e-04
	K64	5.073117e-05	2.066679e-03	3.193029e-04	6.870405e-04
	K65	2.994513e-06	2.457252e-05	8.196695e-06	2.008150e-05
	K66	5.014894e-05	3.805863e-03	2.812399e-04	4.656196e-04
	L68	7.512270e-05	5.895684e-03	8.341299e-04	1.626177e-03
	M_N	1.007819e-02	6.854570e-01	4.631598e-02	7.600864e-02
	J62_63	1.292943e-04	1.190223e-03	4.087584e-04	2.578932e-04
	O84	1.974001e-05	2.650707e-03	1.858833e-04	6.201018e-04
	P85	7.927362e-06	4.663844e-04	5.237656e-05	6.858933e-05
	R_S	3.013096e-05	1.769915e-03	3.055422e-04	3.419957e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
ES	A01	6.166844e-05	8.165227e+00	2.776229e-02	1.977198e-03
	A02	2.129122e-07	1.156957e-01	3.830513e-03	2.018070e-01
	A03	1.658768e-07	1.003999e-01	1.485942e-02	2.026030e-05
	B_nongas	4.093445e-05	1.357316e-01	3.315828e-04	2.911840e-02
	B_gas	1.050910e-07	1.629559e-05	1.279283e-06	5.013920e-06
	C10-12	3.502377e-04	1.357784e+01	1.478426e+00	6.472792e-03
	C13-15	5.954693e-04	3.890267e-01	8.555936e+00	9.774358e-02
	C16	1.313421e-04	7.573245e-02	2.051606e-02	1.725107e+00
	C17	3.499816e-03	2.193419e+00	1.684810e-01	1.990686e+00
	C18	5.047712e-04	9.534163e-02	1.063568e-02	6.197412e-02
	C19	6.447071e-04	2.592288e-02	2.140149e-03	7.176448e-02
	C24	1.763038e-04	1.569321e-01	4.855516e-03	7.590137e-01
	C20-21	3.566170e-04	1.736751e-01	2.712183e-01	1.334360e-01
	C22	1.668604e-03	4.141969e+00	5.080329e-01	4.932205e-01
	C23	3.508947e-04	9.524991e-01	7.802195e-02	4.974905e-01
	C25_33	6.849078e-04	1.974913e+00	6.132374e-02	3.649672e-01

	C25	1.769940e-03	1.507866e-01	2.314850e-02	4.917306e-02
	C26	2.623068e-06	1.918090e-02	2.299608e-04	1.216199e-03
	C27	5.615068e-03	1.016585e-01	2.221951e-02	5.550881e-02
	C28_32	3.398239e-05	5.726025e-02	5.827127e-03	1.163337e-02
	C29	1.581568e-04	9.575577e-02	2.362501e-02	1.885640e-02
	C30	8.121541e-05	2.044814e-02	1.823641e-03	4.831546e-03
	C31	5.030163e-04	8.790360e-02	1.601665e-01	1.309283e-01
	E37-39	5.289058e-05	2.809676e-03	3.453051e-04	1.348212e-03
	D35	4.419225e-04	4.248206e-02	2.674898e-03	2.064337e-02
	E36	6.855616e-05	4.063849e-03	2.838841e-04	5.639015e-04
	F	4.347754e-03	4.095730e-02	8.305907e-03	4.694429e-02
	G45	1.924111e-05	8.245321e-03	7.314420e-04	2.674602e-03
	G47	1.871973e-04	4.099553e-01	1.026802e-01	8.276058e-03
	G46	6.449794e-04	3.836995e-01	8.212082e-02	5.605052e-02
	I	1.787932e-02	2.061197e+00	2.266623e-01	3.250006e-01
	H49	2.347694e-03	4.749083e+00	2.084959e-01	3.979965e+00
	H50	1.696455e-04	4.729935e-02	1.381198e-02	6.126577e-02
	H51	7.745421e-03	3.879356e-01	7.109850e-02	1.028124e-01
	H52	2.390084e-03	1.898637e+00	1.378047e-01	5.964840e-01
	H53	7.779634e-04	4.230949e-02	4.214628e-03	1.319918e-02
	K64	1.325995e-03	5.212886e-02	1.002860e-02	2.300352e-02
	K65	7.232067e-04	1.517442e-02	2.417329e-03	6.098222e-03
	K66	1.324570e-05	1.378105e-03	2.605575e-04	5.895731e-04
	L68	7.190971e-06	5.805242e-03	1.873912e-03	3.164798e-03
	M_N	1.934203e-02	1.484049e+00	9.860835e-02	1.364146e-01
	J62_63	1.597480e-03	1.510020e-02	5.717699e-03	1.627927e-03
	O84	3.349441e-04	1.591203e-01	1.162074e-02	4.521956e-02
	P85	4.258074e-04	1.042521e-02	1.030928e-03	3.439476e-03
	R_S	4.031453e-04	2.862030e-02	7.261807e-03	6.051590e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
FI	A01	3.796925e-05	4.635906e-02	1.543393e-03	2.227730e-02
	A02	1.227566e-06	3.394366e-04	1.331868e-05	3.987822e-02
	A03	0.000000e+00	4.628545e-04	0.000000e+00	0.000000e+00
	B_nongas	7.483180e-05	2.220034e-02	6.806205e-04	3.882285e-01
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	2.265313e-04	1.194449e-01	3.229358e-02	5.867166e-03
	C13-15	8.240491e-05	4.117707e-02	8.501900e-01	9.843036e-03
	C16	4.821272e-04	1.134269e-01	1.907357e-02	2.083904e+01
	C17	6.975108e-03	4.250649e+00	3.257668e-01	4.138058e+00
	C18	6.878241e-04	7.086942e-02	4.800125e-03	2.369391e-02
	C19	9.320507e-05	5.068944e-03	4.496258e-04	7.212500e-03
	C24	1.652880e-04	2.239288e-02	2.372381e-03	8.491382e-02
	C20-21	2.323925e-04	2.184531e-02	3.856045e-02	3.012536e-02
	C22	4.526078e-04	9.802332e-01	1.007955e-01	1.379606e-01
	C23	9.557912e-05	1.145417e-01	1.631538e-02	6.036053e-02
	C25_33	2.531831e-04	2.708596e-01	1.198130e-02	6.168271e-02
	C25	2.698490e-03	1.602592e-01	2.717881e-02	4.491897e-02

	C26	6.969803e-06	3.245062e-03	5.038353e-05	1.777394e-04
	C27	3.695805e-03	1.292363e-01	1.512626e-02	3.115461e-02
	C28_32	1.120112e-04	3.717682e-02	2.082296e-03	1.021407e-02
	C29	9.580514e-05	9.322979e-03	1.512602e-03	2.296620e-03
	C30	2.316013e-04	4.922904e-02	4.672103e-03	7.915968e-03
	C31	8.761297e-05	1.782413e-02	3.663115e-02	1.014135e-01
	E37-39	2.576121e-04	8.016447e-03	9.076987e-04	3.594567e-03
	D35	4.511398e-04	3.375472e-02	2.154304e-03	3.216653e-03
	E36	8.959118e-05	6.247578e-03	4.035336e-04	6.472024e-04
	F	3.316293e-03	4.238516e-02	6.575914e-03	4.636519e-02
	G45	1.425768e-04	1.093460e-02	7.798226e-04	1.090206e-03
	G47	3.343470e-04	2.471524e-02	2.346477e-03	4.015096e-03
	G46	3.057580e-03	2.242560e-01	3.277419e-02	4.858381e-02
	I	9.868726e-04	1.123734e-01	1.222536e-02	1.750461e-02
	H49	1.135912e-03	1.900731e+00	8.482335e-02	1.586793e+00
	H50	3.815061e-04	1.080673e-01	2.287772e-02	1.242900e-01
	H51	6.259862e-04	2.889946e-02	5.480608e-03	7.711245e-03
	H52	9.678799e-04	6.289891e-01	4.554582e-02	1.933390e-01
	H53	5.994287e-04	2.412200e-02	2.895945e-03	5.157568e-03
	K64	1.169808e-03	4.465139e-02	8.871524e-03	2.042814e-02
	K65	2.641226e-04	3.312603e-03	8.254231e-04	2.232089e-03
	K66	2.425833e-06	2.416819e-04	4.793801e-05	1.082771e-04
	L68	7.174949e-06	1.771422e-03	4.632528e-04	7.780964e-04
	M_N	2.462769e-02	1.902794e+00	1.226696e-01	1.724599e-01
	J62_63	1.085478e-03	2.352586e-02	3.926405e-03	2.639654e-03
	O84	3.482308e-04	2.895039e-02	1.952255e-03	3.105040e-03
	P85	1.943077e-05	7.159016e-04	5.721382e-05	8.199871e-05
	R_S	3.093357e-04	2.401734e-02	1.641818e-03	2.287063e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
FR	A01	7.526633e-06	9.693048e+00	8.553008e-01	7.808781e-04
	A02	2.560722e-08	1.930822e-02	5.462071e-04	2.302419e+00
	A03	0.000000e+00	1.268394e-01	0.000000e+00	0.000000e+00
	B_nongas	5.343136e-05	7.760595e-01	0.000000e+00	1.182274e-01
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	5.591551e-05	1.522287e+01	3.949247e+00	4.207957e-03
	C13-15	1.171592e-04	7.947526e-02	1.565209e+01	1.365372e-02
	C16	1.971448e-04	5.579631e-02	9.392287e-03	1.223611e+01
	C17	1.733790e-02	1.062818e+01	7.811414e-01	9.988737e+00
	C18	5.710292e-04	1.574645e-02	7.886735e-03	3.293599e-03
	C19	1.136848e-02	1.715987e-01	1.949312e-02	6.949158e-01
	C24	8.516288e-06	3.593194e-01	0.000000e+00	1.316846e+00
	C20-21	6.987447e-03	3.389619e+00	2.765333e+00	2.286270e+00
	C22	6.577092e-03	1.698644e+01	1.494801e+00	1.975286e+00
	C23	8.892662e-05	3.736269e+00	2.383060e-01	2.069163e+00
	C25_33	6.154425e-05	3.944855e+00	6.343675e-02	6.411899e-01
	C25	1.830427e-03	8.909995e-02	4.659474e-02	5.837433e-02
	C26	0.000000e+00	6.448943e-02	6.394322e-04	2.963824e-03

	C27	1.198232e-02	9.430709e-02	3.273754e-02	9.182335e-02
	C28_32	0.000000e+00	4.026697e-01	5.332974e-03	1.026601e-01
	C29	0.000000e+00	0.000000e+00	8.061118e-03	0.000000e+00
	C30	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C31	6.995016e-03	7.774651e-01	4.548676e-01	3.736041e-01
	E37-39	2.149264e-04	1.610914e-03	3.747986e-04	3.983514e-03
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	2.724822e-03	1.888893e-02	4.720814e-03	2.604470e-02
	G45	2.668181e-05	1.523251e-03	5.161374e-04	6.209299e-04
	G47	2.447267e-05	2.974508e-03	1.355646e-03	2.851352e-03
	G46	2.352571e-03	1.063325e-01	1.251942e-01	1.903468e-01
	I	1.311782e-02	1.510152e+00	1.659083e-01	2.376398e-01
	H49	9.037322e-03	1.601154e+01	7.586356e-01	1.340414e+01
	H50	5.901227e-04	1.624214e-01	4.882324e-02	2.131359e-01
	H51	1.383709e-02	6.639957e-01	1.252703e-01	1.734068e-01
	H52	7.822379e-03	6.413300e+00	4.655910e-01	2.008207e+00
	H53	2.438180e-03	7.212984e-02	1.172341e-02	2.209891e-02
	K64	1.444072e-02	5.533952e-01	1.097772e-01	2.531875e-01
	K65	3.855899e-03	4.930623e-02	1.203330e-02	3.326794e-02
	K66	3.683514e-05	3.905558e-03	7.678065e-04	1.750081e-03
	L68	7.967480e-06	1.703384e-02	5.660824e-03	9.585808e-03
	M_N	1.349709e-01	1.033059e+01	7.795018e-01	9.908111e-01
	J62_63	2.507944e-03	3.316831e-03	7.840467e-03	1.137318e-03
	O84	1.606965e-03	1.517178e-01	1.422604e-02	6.582488e-02
	P85	5.878954e-04	3.914082e-02	7.815317e-03	1.538876e-02
	R_S	2.887114e-04	1.661174e-02	1.379853e-02	1.227839e-02
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
GR	A01	4.203202e-07	1.472381e+00	4.891114e-02	3.301261e-05
	A02	1.810321e-09	1.365009e-03	3.861451e-05	1.627712e-01
	A03	0.000000e+00	8.027596e-02	0.000000e+00	0.000000e+00
	B_nongas	2.026618e-05	4.376591e-02	5.930083e-04	7.767139e-03
	B_gas	5.274672e-10	6.735899e-06	0.000000e+00	1.155603e-06
	C10-12	2.717467e-04	2.140847e+01	5.706541e-01	9.609780e-03
	C13-15	3.557521e-05	5.573262e-02	3.377124e+00	8.594342e-03
	C16	9.659006e-06	2.664161e-03	5.732297e-04	4.170826e-01
	C17	2.543147e-04	1.593138e-01	1.380395e-02	1.456160e-01
	C18	5.455502e-05	2.515846e-03	7.922305e-04	1.192773e-03
	C19	9.356636e-04	2.223833e-02	2.455562e-03	8.701974e-02
	C24	1.941401e-05	9.138995e-02	1.238606e-02	7.148792e-02
	C20-21	1.467985e-04	1.694175e-01	1.128117e-01	9.935989e-02
	C22	4.700659e-04	1.201210e+00	1.705460e-01	1.420489e-01
	C23	1.548085e-05	4.711698e-02	3.561891e-03	2.518472e-02
	C25_33	3.342591e-04	1.751231e-01	7.429524e-02	3.600867e-02
	C25	2.151960e-04	1.033227e-02	1.432392e-03	4.421113e-03
	C26	1.690023e-07	1.035452e-04	1.267273e-05	3.457013e-05
	C27	2.256379e-03	3.126337e-02	7.117319e-03	2.016034e-02

	C28_32	3.272272e-07	8.090803e-03	1.230655e-04	2.092767e-03
	C29	1.972749e-06	5.714662e-03	1.870139e-04	1.244306e-03
	C30	2.116343e-06	1.748831e-03	1.135521e-04	9.172797e-04
	C31	1.039697e-04	1.948626e-02	6.811134e-02	2.883157e-02
	E37-39	8.164913e-06	1.133689e-04	1.361576e-05	5.727591e-04
	D35	1.154982e-05	7.119233e-03	4.785040e-04	3.700429e-03
	E36	8.459436e-06	6.966309e-03	4.175857e-04	4.130099e-03
	F	2.019255e-03	1.399781e-02	3.498403e-03	1.930067e-02
	G45	3.147300e-05	4.153411e-04	1.220113e-04	3.817534e-04
	G47	6.521245e-05	2.102372e-03	8.751711e-04	1.787456e-03
	G46	3.352355e-04	3.247992e-02	1.246548e-01	1.843655e-02
	I	1.938131e-02	2.248157e+00	2.462370e-01	3.570805e-01
	H49	6.658838e-03	3.863675e+00	1.986443e-01	2.955532e+00
	H50	1.347718e-03	4.406317e-01	5.072677e-02	1.843930e-01
	H51	3.675688e-03	1.775745e-01	3.326277e-02	4.664913e-02
	H52	2.651385e-03	1.850178e+00	1.262027e-01	8.360336e-01
	H53	1.085500e-03	4.353710e-02	5.557151e-03	2.076452e-02
	K64	1.302038e-03	7.536766e-02	8.683786e-03	1.721391e-02
	K65	1.731719e-04	3.219667e-03	5.685601e-04	1.471798e-03
	K66	1.116334e-05	1.183627e-03	2.326931e-04	5.303835e-04
	L68	3.470296e-06	7.174147e-03	2.384105e-03	4.037907e-03
	M_N	6.190235e-02	4.870819e+00	3.601322e-01	4.328207e-01
	J62_63	1.944518e-03	3.806133e-03	6.106253e-03	9.906682e-04
	O84	2.345663e-03	1.894657e-01	1.215360e-02	1.933532e-02
	P85	6.133575e-04	4.856557e-02	3.001882e-03	4.287044e-03
	R_S	2.892892e-04	2.257290e-02	2.104995e-03	2.281825e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
HR	A01	2.453697e-03	1.000666e+01	3.374668e-02	3.780114e-02
	A02	3.746828e-06	2.329271e-02	4.518537e-04	1.212612e+00
	A03	6.150360e-04	3.998246e-01	7.905856e-03	1.164208e-02
	B_nongas	4.465579e-04	8.233057e-02	9.407187e-03	4.395724e-02
	B_gas	1.431746e-06	3.208525e-04	4.052437e-05	1.324808e-04
	C10-12	9.696461e-04	4.258850e+00	3.540744e-01	9.833913e-01
	C13-15	4.176028e-04	1.587941e-01	5.096749e+00	3.427533e-02
	C16	6.535694e-05	8.278244e-02	1.229429e+00	2.533883e+00
	C17	5.540696e-04	2.286329e-01	2.060883e-02	2.328838e-01
	C18	3.064279e-03	2.808409e-01	4.745061e-02	1.128635e-01
	C19	1.820009e-04	2.805089e-01	1.185339e-02	2.419600e-01
	C24	3.401721e-03	6.369003e-01	2.619919e-02	4.405936e-01
	C20-21	1.378698e-03	5.969869e-02	1.214953e-02	5.767729e-02
	C22	1.383058e-03	2.200919e+00	1.981021e-01	2.881176e-01
	C23	2.017265e-03	5.467864e-01	4.561093e-02	8.758814e-02
	C25_33	2.863110e-03	2.512974e+00	6.751670e-02	4.116535e-01
	C25	2.442200e-04	1.022081e-01	1.102921e-02	2.147898e-02
	C26	1.157487e-06	9.451387e-04	6.378423e-05	5.776404e-04
	C27	1.225356e-03	1.208395e-01	7.695648e-03	6.550545e-02
	C28_32	1.150274e-05	1.498867e-02	5.764724e-04	9.988214e-03

	C29	1.742456e-05	4.046833e-02	1.332498e-02	2.616933e-02
	C30	3.570705e-05	1.887768e-02	2.548612e-03	4.889899e-03
	C31	5.664558e-04	1.176490e-01	9.482518e-02	5.641603e-01
	E37-39	7.214679e-05	1.072356e-02	6.796855e-04	4.918734e-03
	D35	1.155361e-02	2.975777e+00	1.304613e-01	1.268155e+00
	E36	8.676102e-05	6.494234e-03	6.050246e-04	5.609133e-03
	F	9.308674e-03	1.839337e-01	3.119482e-02	1.043562e-01
	G45	1.936706e-05	1.392195e-03	1.716172e-04	7.202756e-04
	G47	3.402116e-05	6.856734e-03	8.233697e-04	4.403496e-03
	G46	5.706602e-04	2.155136e-01	2.305130e-02	3.132978e-02
	I	2.433581e-02	2.831493e+00	3.087057e-01	6.096659e-01
	H49	2.475285e-03	4.602309e+00	2.126652e-01	3.853337e+00
	H50	8.795184e-04	2.373456e-01	7.265847e-02	3.101922e-01
	H51	3.664199e-03	1.795286e-01	3.654150e-02	4.461872e-02
	H52	1.459199e-03	1.151481e+00	8.370893e-02	3.693949e-01
	H53	9.280690e-03	1.327958e-01	3.607518e-02	4.207091e-02
	K64	5.395913e-03	3.203228e-01	4.847999e-02	9.546998e-02
	K65	1.632712e-03	2.087819e-02	5.095401e-03	1.408691e-02
	K66	2.641607e-03	2.087141e-01	1.320609e-02	1.956191e-02
	L68	3.458854e-05	1.803665e-02	5.597599e-03	9.817627e-03
	M_N	6.108797e-02	4.996585e+00	3.140454e-01	5.630340e-01
	J62_63	2.640736e-03	4.004493e-03	8.290439e-03	1.644307e-03
	O84	2.360230e-05	4.337288e-02	2.918424e-04	3.559667e-04
	P85	5.857349e-04	9.912816e-02	7.291088e-03	3.092637e-02
	R_S	8.857593e-05	3.607802e-01	4.794319e-03	1.727980e-01
	T	1.565672e-04	5.371225e-03	2.558634e-03	2.824554e-03
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
HU	A01	1.487224e-04	8.456784e+01	2.780988e-01	2.208040e-01
	A02	6.387993e-04	7.397382e-02	3.045878e-03	7.041083e+00
	A03	4.948189e-07	2.129938e-02	3.563899e-04	1.021202e-05
	B_nongas	1.487386e-03	3.076038e-02	1.009784e-03	5.298318e-02
	B_gas	6.462499e-01	3.420293e-01	9.344656e-02	3.515124e-02
	C10-12	1.485061e-03	2.950110e+01	2.009024e+00	7.940791e-02
	C13-15	5.753744e-04	3.192505e-01	7.097770e+00	4.822474e-02
	C16	6.978628e-04	3.736013e-01	3.770501e-02	3.446593e+01
	C17	4.470556e-03	2.726165e+00	2.013941e-01	2.556915e+00
	C18	2.483423e-03	3.103078e-01	5.468490e-02	8.083554e-02
	C19	6.458256e-02	1.999867e+00	3.556258e-01	6.978518e+00
	C24	6.284766e-03	4.570818e-01	1.016539e-02	1.982970e+00
	C20-21	6.395701e-03	2.354324e-01	2.810362e-01	6.092358e-01
	C22	6.321172e-03	1.545911e+01	1.798869e+00	2.153135e+00
	C23	3.279669e-04	1.353141e+00	1.116814e-01	7.427038e-01
	C25_33	8.213176e-04	6.432227e+00	1.419545e-01	1.291246e+00
	C25	3.849433e-03	6.528380e-01	6.478685e-02	1.671359e-01
	C26	5.271431e-04	7.108462e-01	9.422791e-03	4.072401e-02
	C27	1.208792e-02	1.291548e+00	1.535011e-01	2.672522e-01
	C28_32	1.227317e-03	5.971171e-01	4.991589e-02	8.778068e-02
	C29	2.487719e-03	9.763149e-01	1.068065e-01	1.938099e-01

	C30	3.020553e-04	1.158229e-01	3.186209e-03	2.125061e-02
	C31	1.861387e-03	3.777599e-01	1.796350e-01	7.262987e-01
	E37-39	9.284890e-04	1.583643e-01	1.424218e-02	5.094961e-02
	D35	3.041075e-03	2.111848e-01	1.528798e-02	2.279759e-01
	E36	1.066094e-04	1.230029e-02	3.631132e-03	2.477988e-03
	F	2.818914e-02	5.464046e-01	6.112169e-02	3.632086e-01
	G45	1.766086e-03	6.802819e-01	3.294255e-02	5.087387e-01
	G47	9.843768e-03	2.532126e+00	1.367157e-01	1.628801e-01
	G46	1.219775e-02	3.192740e+00	2.496624e-01	2.556923e+00
	I	1.675689e-02	1.942391e+00	2.125578e-01	3.098321e-01
	H49	3.903974e-02	6.354323e+01	3.114377e+00	5.288873e+01
	H50	6.279781e-04	6.019248e-02	4.923281e-02	6.157689e-02
	H51	3.174622e-03	2.039531e-01	3.200018e-02	5.594796e-02
	H52	1.934531e-02	1.521610e+01	1.104239e+00	4.900975e+00
	H53	4.497164e-03	4.030884e-01	3.775851e-02	2.080722e-01
	K64	6.549768e-03	2.521566e-01	4.989635e-02	1.148932e-01
	K65	2.617459e-04	3.604048e-03	8.407732e-04	2.282124e-03
	K66	5.858232e-05	6.129396e-03	1.195549e-03	2.706260e-03
	L68	1.310963e-03	2.046325e-01	4.087655e-02	4.961128e-02
	M_N	1.293502e-01	9.904630e+00	6.984268e-01	9.998976e-01
	J62_63	7.795161e-03	1.951820e-01	2.794625e-02	2.488205e-02
	O84	4.837149e-04	3.213405e-01	2.365459e-02	9.958239e-02
	P85	3.247811e-04	1.670274e-02	1.405984e-03	4.203501e-03
	R_S	6.673898e-04	5.682504e-02	2.103216e-02	1.197342e-02
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
IE	A01	7.652969e-05	1.155836e-01	2.993082e-03	3.802468e-03
	A02	3.873864e-07	6.162032e-05	3.007427e-05	1.373732e-04
	A03	2.190181e-07	6.794024e-02	5.545388e-05	1.092033e-04
	B_nongas	8.252542e-07	2.581579e-03	2.246288e-04	1.422285e-03
	B_gas	9.019908e-08	4.076855e-06	4.800025e-06	7.298020e-06
	C10-12	3.339316e-04	7.458330e+00	2.028548e+00	2.241500e-01
	C13-15	3.443395e-05	5.759398e-02	8.221150e-01	1.384526e-02
	C16	1.821417e-04	4.131934e-01	3.639932e-02	1.221293e+00
	C17	1.008120e-03	7.176921e-01	5.740170e-02	5.668811e-01
	C18	3.282243e-03	1.403729e-01	8.871749e-02	1.251969e-01
	C19	9.169973e-05	1.644291e-01	1.582876e-02	3.602203e-02
	C24	1.536320e-06	1.689325e-02	4.116252e-04	1.601671e-02
	C20-21	1.188007e-02	1.269941e+01	8.960355e+00	7.758777e+00
	C22	7.398047e-03	1.885379e+01	1.697078e+00	2.250169e+00
	C23	8.235412e-05	3.334652e-01	3.451346e-02	1.796925e-01
	C25_33	2.393606e-04	2.022028e+00	6.494945e-02	3.219778e-01
	C25	3.225915e-04	3.043771e-01	3.653789e-02	4.594630e-02
	C26	3.111073e-04	1.981385e+00	2.370829e-02	9.718506e-02
	C27	3.028926e-03	9.605204e-02	1.427021e-02	3.166388e-02
	C28_32	4.665570e-04	6.472853e-01	3.400679e-01	3.217148e-01
	C29	1.309902e-06	4.766926e-03	2.077061e-04	1.053221e-03
	C30	1.807736e-04	5.643375e-03	4.668937e-04	2.003664e-03

	C31	1.564640e-04	1.058749e-01	3.080845e-02	2.403920e-02
	E37-39	8.371546e-04	1.313569e-02	1.783829e-03	4.076764e-02
	D35	5.226166e-08	2.362144e-06	2.781151e-06	4.228498e-06
	E36	9.027792e-08	1.578273e-06	8.185205e-07	2.406193e-06
	F	3.756174e-03	2.596640e-02	6.533857e-03	3.573912e-02
	G45	2.531300e-04	3.826324e-03	1.302735e-03	2.603705e-03
	G47	1.647182e-04	8.986183e-03	5.378485e-03	1.079402e-02
	G46	5.078036e-03	1.839696e-01	2.094082e-01	3.230660e-01
	I	6.089804e-03	6.997835e-01	7.674189e-02	1.099207e-01
	H49	7.003039e-04	1.532546e+00	6.558794e-02	1.292549e+00
	H50	1.073734e-04	3.298422e-02	8.954124e-03	4.377994e-02
	H51	1.755094e-02	8.586537e-01	1.570351e-01	2.171975e-01
	H52	4.650868e-04	3.813087e-01	2.768215e-02	1.193998e-01
	H53	3.225103e-03	9.540977e-02	1.550714e-02	2.923134e-02
	K64	4.871200e-02	2.204601e+00	3.409224e-01	7.501436e-01
	K65	7.550060e-03	3.315144e-01	2.986041e-02	5.939775e-02
	K66	1.008356e-04	1.069141e-02	2.101859e-03	4.790822e-03
	L68	1.276333e-05	2.728700e-02	9.068236e-03	1.535578e-02
	M_N	1.513470e-01	1.140630e+01	7.491590e-01	1.074986e+00
	J62_63	5.264057e-02	1.493015e-01	1.674822e-01	3.160015e-02
	O84	1.567270e-06	2.714393e-04	4.759859e-05	5.356360e-05
	P85	5.286020e-04	2.108967e-03	6.207994e-03	1.453312e-03
	R_S	4.064662e-05	5.686988e-04	5.462650e-03	3.996063e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
IT	A01	3.604657e-04	1.554260e+01	2.419336e-01	6.655531e-03
	A02	1.105547e-07	8.335990e-02	2.358154e-03	9.940292e+00
	A03	0.000000e+00	7.013916e-01	0.000000e+00	0.000000e+00
	B_nongas	7.464795e-04	1.103240e+00	3.399459e-02	2.692124e-01
	B_gas	1.823860e-03	1.102569e-01	8.199335e-03	2.569411e-03
	C10-12	5.127230e-04	8.578468e+01	6.251670e+00	1.596112e-02
	C13-15	3.362904e-03	2.291702e+00	4.272033e+01	4.055630e-01
	C16	1.094328e-03	6.422205e-01	1.006449e-01	3.431326e+01
	C17	2.711222e-02	1.661669e+01	1.249472e+00	1.552880e+01
	C18	3.043714e-03	1.027854e+00	1.206588e-01	8.913475e-01
	C19	1.125775e-01	1.358190e+00	2.109036e-01	5.530785e+00
	C24	3.590166e-03	8.304414e-01	1.822023e-02	5.614778e+00
	C20-21	4.330621e-03	8.046394e-01	4.329230e-01	7.056148e-01
	C22	1.003534e-02	2.381608e+01	2.537572e+00	3.019370e+00
	C23	1.044178e-03	6.238655e+00	4.626413e-01	3.525764e+00
	C25_33	1.954644e-03	1.029722e+01	2.698569e-01	2.500091e+00
	C25	6.674244e-03	1.371162e+00	1.543293e-01	5.726611e-01
	C26	9.316210e-04	1.111874e-01	4.485589e-03	2.061118e-02
	C27	2.229277e-02	5.856102e-01	9.557059e-02	2.288496e-01
	C28_32	2.861431e-04	3.785059e-01	2.842132e-02	7.637655e-02
	C29	7.865933e-04	5.178589e-01	6.272257e-02	7.025410e-02
	C30	4.497842e-04	7.115051e-02	1.372548e-02	1.541252e-02
	C31	5.390754e-03	1.032046e+00	5.621985e-01	1.822552e+00

	E37-39	3.088271e-04	3.449910e-03	7.506612e-04	7.626123e-03
	D35	9.624147e-04	7.483711e-03	2.614000e-03	7.433997e-03
	E36	1.961735e-04	1.526871e-03	5.279600e-04	1.522625e-03
	F	1.341970e-02	2.751306e-01	3.139520e-02	1.238617e-01
	G45	7.109848e-04	4.769557e-01	4.216636e-02	5.745678e-02
	G47	9.137291e-03	9.833978e+00	2.138731e+00	3.935356e-01
	G46	4.343596e-03	2.981886e+00	1.309970e+00	8.588278e-01
	I	4.531715e-02	5.212666e+00	5.729440e-01	8.207258e-01
	H49	1.048860e-02	1.637302e+01	7.739564e-01	1.339967e+01
	H50	3.888242e-04	1.358465e-01	3.018821e-02	1.381599e-01
	H51	9.519363e-03	4.622789e-01	8.662258e-02	1.211741e-01
	H52	5.614096e-03	4.093806e+00	2.696209e-01	1.795656e+00
	H53	4.627364e-03	2.624422e-01	3.026766e-02	1.428080e-01
	K64	3.240832e-03	1.228940e-01	2.475380e-02	5.621531e-02
	K65	2.188861e-03	2.775255e-02	6.880583e-03	1.870609e-02
	K66	3.158407e-04	2.568853e-02	2.620169e-03	4.895747e-03
	L68	9.772976e-05	3.750593e-02	1.132984e-02	1.874685e-02
	M_N	1.081503e-01	8.841381e+00	5.790690e-01	1.057706e+00
	J62_63	1.030516e-02	1.541272e-01	3.626541e-02	1.447258e-02
	O84	7.204649e-05	5.115339e-02	4.803156e-03	8.265479e-03
	P85	1.794779e-04	4.869303e-03	6.847434e-04	1.155224e-03
	R_S	5.050942e-04	5.015600e-02	1.406272e-02	1.116960e-02
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
LT	A01	3.405564e-06	3.876561e-01	1.003239e-02	2.926917e-03
	A02	5.667629e-06	1.149493e-02	4.973575e-04	8.719322e-02
	A03	4.184894e-06	6.336634e-03	2.885469e-04	5.218662e-03
	B_nongas	7.050781e-06	8.013903e-03	3.746823e-04	7.513875e-03
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	5.817670e-05	4.711205e-01	1.573809e-01	8.284248e-03
	C13-15	1.685260e-05	1.272263e-02	1.006009e+00	1.764561e-03
	C16	1.338611e-04	5.448841e-02	7.896180e-03	6.319389e+00
	C17	1.821822e-04	1.098955e-01	8.509454e-03	1.975146e-01
	C18	1.048980e-04	1.337666e-02	3.366206e-03	5.398483e-03
	C19	1.469335e-04	1.639620e-02	1.537263e-03	2.173390e-02
	C24	2.059772e-06	4.716524e-03	1.608039e-04	8.391259e-04
	C20-21	3.203476e-03	1.562066e-02	1.312753e-02	2.463638e-02
	C22	5.909651e-04	1.517814e+00	1.335644e-01	1.765850e-01
	C23	1.011857e-05	1.305929e-01	7.490177e-03	7.563315e-02
	C25_33	1.041453e-04	1.837616e-01	1.066674e-02	4.116597e-02
	C25	4.581678e-05	8.545468e-03	9.567192e-04	2.537688e-03
	C26	3.088064e-07	3.785607e-05	2.498922e-06	7.520743e-06
	C27	2.606952e-04	1.127531e-02	9.058123e-04	3.549050e-03
	C28_32	8.502119e-06	1.337976e-03	4.562881e-05	3.930027e-04
	C29	1.283224e-05	3.869742e-03	3.160520e-03	5.877064e-04
	C30	1.028097e-05	1.352326e-03	6.404636e-04	5.781213e-04
	C31	3.354306e-04	5.089229e-02	3.051314e-02	3.908007e-01
	E37-39	1.068087e-04	8.778570e-03	6.489197e-04	1.607461e-03

	D35	3.460837e-06	2.305649e-04	3.095688e-05	3.810101e-05
	E36	3.104082e-07	7.023892e-06	1.417976e-06	3.236885e-05
	F	7.767877e-05	1.521120e-02	7.803735e-04	3.042830e-03
	G45	4.707856e-04	3.729733e-02	2.307682e-03	3.295560e-03
	G47	1.302094e-03	3.630817e-01	2.543159e-02	1.969244e-01
	G46	2.217345e-03	5.431841e-01	3.516529e-02	2.347795e-01
	I	4.016849e-04	4.784836e-02	4.799373e-03	6.747535e-03
	H49	1.982373e-03	3.861209e+00	1.731785e-01	3.181657e+00
	H50	4.372404e-05	6.786058e-03	3.509350e-03	8.145223e-03
	H51	5.560218e-04	2.841946e-02	5.147277e-03	7.517997e-03
	H52	2.394481e-03	1.756604e+00	1.265441e-01	5.577304e-01
	H53	5.497708e-04	3.171668e-02	3.295602e-03	4.723032e-03
	K64	5.498250e-04	2.092041e-02	4.161594e-03	9.570821e-03
	K65	4.234633e-05	5.335261e-04	1.321562e-04	3.596762e-04
	K66	1.704796e-06	1.596344e-04	3.196125e-05	7.150416e-05
	L68	9.787926e-04	7.881383e-02	5.151416e-03	7.455872e-03
	M_N	1.111805e-02	8.818821e-01	5.589945e-02	7.894360e-02
	J62_63	1.778291e-04	5.445558e-03	6.850552e-04	5.238814e-04
	O84	2.673988e-05	1.005264e-03	2.032898e-04	4.458151e-04
	P85	7.431259e-06	3.008784e-04	4.781173e-05	5.135192e-05
	R_S	2.266328e-04	1.765019e-02	1.180476e-03	1.599181e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
LU	A01	1.688796e-06	2.320963e-01	5.241193e-04	3.076516e-05
	A02	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	3.167228e-06	5.881498e-04	4.961015e-05	1.998141e-03
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	2.502410e-04	4.325894e-01	6.907011e-03	4.619825e-03
	C13-15	1.884697e-05	9.161109e-04	2.046769e+00	2.731791e-03
	C16	1.902192e-05	5.387187e-03	9.037138e-04	1.173143e+00
	C17	3.201894e-04	9.626081e-02	9.098059e-03	8.871563e-02
	C18	9.290892e-05	4.512590e-03	1.281578e-03	2.411187e-02
	C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C24	2.772009e-04	6.308222e-02	1.750666e-03	1.207633e-01
	C20-21	3.262115e-06	1.667810e-04	7.676519e-05	1.163861e-04
	C22	8.659664e-04	2.180355e+00	1.926641e-01	2.567259e-01
	C23	4.886407e-05	5.478556e-02	1.028143e-02	2.522187e-02
	C25_33	2.137339e-04	6.678134e-01	1.790345e-02	2.056013e-01
	C25	5.409323e-05	3.066966e-02	3.522117e-03	5.072582e-03
	C26	9.111467e-06	5.947878e-04	4.386249e-05	5.568350e-05
	C27	7.599819e-06	2.623842e-04	1.251906e-04	8.500862e-05
	C28_32	1.449772e-05	1.053064e-02	7.318981e-04	3.450090e-03
	C29	1.436929e-07	2.051862e-03	0.000000e+00	2.508210e-02
	C30	3.005233e-07	1.926290e-02	3.097644e-04	3.130958e-03
	C31	4.050063e-08	1.442674e-05	2.140602e-06	1.250334e-05
	E37-39	5.341244e-05	3.688797e-03	3.745793e-04	3.686864e-03
	D35	8.386327e-04	4.654995e-02	1.305404e-02	5.391787e-02

	E36	4.082279e-06	8.916487e-05	1.146971e-05	4.316647e-05
	F	3.123489e-03	2.318105e-02	5.758240e-03	3.082739e-02
	G45	3.976301e-05	2.547685e-03	3.876386e-04	1.069281e-03
	G47	1.572000e-03	1.222618e-01	1.967250e-02	3.534028e-02
	G46	4.115300e-03	2.137917e-01	1.357519e-01	1.841504e-01
	I	9.203877e-04	1.046910e-01	1.149927e-02	1.648818e-02
	H49	1.695320e-03	9.745564e-01	5.226792e-02	7.264340e-01
	H50	1.676134e-05	1.248381e-02	1.056047e-03	4.668908e-03
	H51	1.811952e-03	3.731348e-01	3.414616e-02	1.473238e-01
	H52	7.392314e-04	4.319650e-01	3.170473e-02	1.321622e-01
	H53	6.332971e-04	3.037373e-02	3.747693e-03	6.266011e-03
	K64	8.917239e-02	3.417288e+00	6.778934e-01	1.563469e+00
	K65	1.008200e-02	1.289328e-01	3.146742e-02	8.699228e-02
	K66	1.190687e-04	1.262462e-02	2.481915e-03	5.657095e-03
	L68	3.619030e-05	1.537339e-02	6.898821e-03	2.879891e-03
	M_N	1.176472e-02	8.448546e-01	6.048985e-02	8.375277e-02
	J62_63	3.797129e-03	1.291588e-02	1.247328e-02	3.337297e-03
	O84	2.328611e-05	1.322852e-03	1.759107e-04	3.451245e-04
	P85	4.217416e-04	1.727820e-03	2.145025e-04	1.066976e-03
	R_S	1.543764e-04	2.702507e-03	1.669175e-02	1.217177e-02
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
LV	A01	3.917937e-06	1.186443e-01	4.479525e-03	6.129699e-02
	A02	5.823792e-06	2.230626e-03	1.368274e-04	1.934620e-01
	A03	3.678153e-08	5.135458e-04	2.530722e-04	4.302509e-06
	B_nongas	9.033276e-05	3.491312e-02	6.114652e-04	4.341365e-02
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	2.540917e-05	2.668648e-01	1.065331e-01	1.199100e-03
	C13-15	7.806837e-06	3.803325e-03	5.438183e-01	7.137868e-04
	C16	1.022842e-04	3.043731e-02	4.659081e-03	5.655258e+00
	C17	9.315722e-06	5.694921e-03	4.199382e-04	5.353413e-03
	C18	3.515950e-05	1.178922e-03	4.656430e-04	2.479705e-04
	C19	2.237967e-08	1.334625e-06	1.481200e-06	1.849680e-06
	C24	1.045841e-06	1.623947e-03	5.253809e-05	1.680255e-02
	C20-21	1.755306e-05	1.364278e-04	3.385935e-04	3.215547e-04
	C22	2.970431e-05	7.643079e-02	6.736483e-03	8.896817e-03
	C23	1.434384e-06	1.767161e-02	6.325133e-02	8.385033e-03
	C25_33	3.776679e-06	1.638105e-01	2.742330e-03	2.905269e-02
	C25	4.171344e-06	2.067205e-03	1.070949e-04	4.536374e-04
	C26	1.210812e-06	2.194284e-02	2.836065e-03	1.031914e-03
	C27	2.408178e-05	3.910954e-04	1.486151e-04	2.311509e-04
	C28_32	4.482382e-07	2.944962e-05	1.382708e-03	1.030141e-05
	C29	1.109882e-07	2.618453e-04	4.256560e-04	7.954514e-05
	C30	1.543223e-07	2.480468e-04	4.535118e-06	5.858351e-05
	C31	1.092102e-04	1.246408e-02	7.989944e-03	7.796110e-03
	E37-39	2.347357e-05	2.798360e-03	5.187705e-03	5.112986e-03
	D35	1.218493e-05	3.465529e-03	2.497001e-04	1.155648e-02
	E36	2.473616e-06	2.458192e-05	4.295899e-06	3.447386e-05

	F	2.870006e-05	1.849067e-02	1.151555e-03	1.281924e-02
	G45	4.024888e-06	2.498169e-03	1.909955e-04	2.466785e-03
	G47	3.781624e-05	1.812571e-02	4.281245e-03	2.012929e-02
	G46	9.922429e-05	2.556098e-02	5.775481e-03	4.248943e-02
	I	2.104573e-04	2.822742e-02	4.669619e-03	3.785573e-03
	H49	1.098304e-03	1.293636e+00	7.736087e-02	1.059189e+00
	H50	1.640980e-04	5.126541e-02	1.369564e-02	6.795983e-02
	H51	9.408411e-04	4.563578e-02	8.552427e-03	1.194436e-02
	H52	7.396733e-04	6.057549e-01	4.392408e-02	1.952844e-01
	H53	6.932439e-07	9.684088e-05	5.004198e-06	1.112950e-05
	K64	3.689330e-06	1.413819e-04	2.804599e-05	6.468458e-05
	K65	9.931828e-04	1.270005e-02	3.099476e-03	8.568985e-03
	K66	1.467407e-06	1.555863e-04	3.058723e-05	6.971827e-05
	L68	1.297690e-06	1.079180e-03	3.189970e-04	5.663499e-04
	M_N	3.978730e-03	3.010850e-01	3.431003e-02	2.969910e-02
	J62_63	2.059508e-04	2.781222e-04	6.501905e-04	1.035674e-04
	O84	2.191911e-09	3.796225e-07	6.656919e-08	7.491157e-08
	P85	8.463162e-07	6.559493e-06	1.454586e-05	2.862668e-06
	R_S	3.591145e-05	2.805485e-03	2.483832e-04	2.808993e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
MT	A01	1.794131e-07	1.402641e-02	1.505976e-04	1.207759e-04
	A02	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	4.563253e-06	3.274213e-05	8.451309e-06	4.391729e-05
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	1.522191e-05	2.235673e-03	1.016626e-03	4.155494e-04
	C13-15	1.003318e-06	9.840976e-04	9.270613e-02	4.345498e-04
	C16	8.197772e-07	1.016286e-04	5.345594e-05	4.653378e-05
	C17	2.854601e-06	1.586390e-03	1.261142e-04	1.498010e-03
	C18	1.226990e-06	1.959852e-05	1.430261e-05	2.303379e-05
	C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C20-21	1.420731e-05	6.122940e-03	6.552777e-04	8.913717e-04
	C22	1.016959e-05	1.275901e-02	1.251349e-03	1.690042e-03
	C23	1.851274e-05	3.237531e-04	1.866051e-04	4.056996e-04
	C25_33	5.590522e-06	1.855494e-03	1.102711e-04	4.148748e-04
	C25	7.918564e-07	1.576000e-05	7.307928e-06	7.129327e-06
	C26	3.703141e-07	1.958892e-03	2.057585e-05	9.017276e-05
	C27	1.710385e-04	2.447385e-03	1.872699e-03	1.426039e-03
	C28_32	1.338019e-06	8.631047e-04	6.630786e-03	1.606793e-04
	C29	1.426705e-08	1.460200e-05	5.093049e-06	8.127032e-06
	C30	3.317774e-06	7.130823e-05	8.106698e-06	3.972815e-05
	C31	7.355774e-05	7.752966e-03	5.269419e-03	3.608187e-03
	E37-39	6.424769e-05	1.187401e-03	1.140799e-04	2.613280e-03
	D35	1.115490e-06	4.332321e-06	3.176057e-06	4.612027e-06
	E36	1.945233e-06	1.064471e-05	4.075759e-06	1.398368e-05
	F	3.562739e-03	5.348918e-02	2.481737e-02	5.009701e-02

	G45	3.485593e-05	1.606025e-03	4.667755e-04	7.003819e-04
	G47	9.553826e-05	5.298210e-03	1.497294e-03	2.805633e-03
	G46	7.799234e-04	4.532429e-02	3.677537e-02	5.929554e-02
	I	1.546710e-03	1.501247e-01	1.718863e-02	2.490417e-02
	H49	1.407673e-04	2.475985e-01	1.136191e-02	2.074205e-01
	H50	3.402612e-05	7.456550e-03	1.944042e-03	8.780981e-03
	H51	8.919877e-04	4.740621e-02	8.370841e-03	1.262566e-02
	H52	4.308193e-04	1.166523e-01	8.941876e-03	3.946341e-02
	H53	1.146127e-03	3.321541e-02	5.444771e-03	1.026368e-02
	K64	6.299509e-02	2.414827e+00	4.787908e-01	1.104097e+00
	K65	6.579321e-04	8.319519e-03	2.053186e-03	5.610141e-03
	K66	3.258590e-04	2.465764e-02	2.129136e-03	3.729859e-03
	L68	1.192434e-03	1.756864e-02	4.545920e-03	1.530546e-02
	M_N	2.702559e-02	1.773568e+00	1.458514e-01	2.657284e-01
	J62_63	1.647182e-03	3.031596e-03	5.114412e-03	9.709206e-04
	O84	3.126783e-04	8.476449e-03	1.591315e-03	3.741741e-03
	P85	1.703168e-03	1.122677e-02	1.336348e-03	5.362599e-03
	R_S	3.104628e-04	9.765550e-03	2.417415e-02	8.007146e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
NL	A01	4.377331e-04	1.568100e+01	3.801857e-01	2.400577e-03
	A02	2.880561e-07	1.819250e-02	5.244316e-04	2.144404e+00
	A03	2.449084e-07	2.363263e-01	6.064607e-03	5.408201e-05
	B_nongas	1.525687e-05	8.070882e-03	8.582559e-05	1.134853e-03
	B_gas	1.729502e-03	5.045917e-03	5.352124e-04	4.553610e-04
	C10-12	1.320247e-03	6.786593e+01	2.787671e+00	9.276396e-03
	C13-15	1.618929e-04	5.684302e-02	1.021638e+01	1.298221e-02
	C16	1.869066e-04	8.381682e-02	9.775388e-03	7.022184e+00
	C17	7.564930e-03	4.520551e+00	3.912473e-01	4.192151e+00
	C18	2.174299e-03	2.321501e-01	3.607793e-02	1.350380e-01
	C19	6.156374e-03	1.629803e-01	7.142665e-02	2.868894e-01
	C24	4.342182e-04	2.081969e-01	4.992293e-03	1.584872e-01
	C20-21	6.320948e-03	5.204078e-01	3.717247e-01	1.585760e-01
	C22	4.487458e-03	1.132526e+01	1.002790e+00	1.442471e+00
	C23	3.531260e-04	6.889250e-01	4.903030e-02	3.610460e-01
	C25_33	3.666433e-04	3.447249e+00	1.455879e-01	5.800864e-01
	C25	1.732420e-03	2.421835e-01	5.076876e-02	6.407404e-02
	C26	1.426377e-04	9.443233e-02	2.371977e-03	4.942738e-03
	C27	6.721765e-03	2.648339e-01	4.900607e-02	5.452587e-02
	C28_32	1.014402e-03	2.082765e-01	1.576516e-02	3.950251e-02
	C29	9.921217e-05	3.039641e-02	8.370081e-03	1.107014e-02
	C30	4.100745e-04	7.277072e-02	2.529661e-02	2.326441e-02
	C31	2.304317e-03	4.974102e-01	1.623051e-01	2.098140e-01
	E37-39	5.998560e-04	1.827067e-01	1.356072e-01	1.602398e-02
	D35	1.763518e-04	1.234420e-02	8.455872e-04	1.121428e-03
	E36	3.934068e-06	1.583170e-04	5.200332e-05	1.718646e-05
	F	9.621928e-03	2.021806e-01	2.131658e-02	1.327293e-01
	G45	7.543726e-03	5.671898e-01	3.594411e-02	5.313760e-02

	G47	6.344826e-03	5.550847e-01	6.785390e-02	8.796815e-02
	G46	1.121905e-02	1.286495e+00	1.332128e+00	7.048513e-01
	I	4.249245e-03	4.722527e-01	5.006113e-02	7.280273e-02
	H49	8.504901e-03	9.826937e+00	4.751831e-01	7.961841e+00
	H50	1.492955e-03	4.007472e-01	1.146585e-01	4.638523e-01
	H51	1.036451e-02	5.356890e-01	9.750619e-02	1.346016e-01
	H52	6.864856e-03	3.657832e+00	2.463919e-01	1.470262e+00
	H53	1.348393e-02	5.363818e-01	6.471435e-02	1.128601e-01
	K64	4.903638e-03	2.261775e-01	3.203688e-02	6.847116e-02
	K65	8.794087e-03	5.600765e-01	4.006969e-02	6.438421e-02
	K66	1.098552e-03	8.329423e-02	6.051486e-03	8.860510e-03
	L68	4.531772e-04	2.649373e-02	6.878254e-03	1.395153e-02
	M_N	2.615543e-01	2.064709e+01	1.550455e+00	1.963572e+00
	J62_63	7.551190e-03	1.263689e-01	2.936323e-02	1.450190e-02
	O84	4.900778e-03	4.656681e-01	3.156996e-02	5.317699e-02
	P85	1.500433e-03	7.945745e-02	5.773202e-02	1.032725e-02
	R_S	3.229322e-03	2.509206e-01	3.055695e-02	3.771732e-02
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
PL	A01	1.871545e-05	3.464946e+00	5.260414e-02	2.715563e-02
	A02	9.081848e-06	9.219720e-02	3.584403e-03	6.023396e+00
	A03	5.426448e-06	1.725307e-01	2.879942e-04	7.123553e-05
	B_nongas	2.366218e-04	2.001700e-01	2.746949e-01	6.296554e-01
	B_gas	6.996202e-07	1.622679e-04	3.373497e-05	4.502267e-04
	C10-12	8.915132e-03	1.193089e+01	2.492525e+00	1.719247e-01
	C13-15	6.959947e-04	4.924976e-01	1.100825e+01	1.069195e-01
	C16	1.021710e-03	4.133577e-01	8.659154e-02	3.555485e+01
	C17	1.115643e-02	6.901596e+00	5.397262e-01	6.402678e+00
	C18	8.032590e-03	7.446278e-01	1.381854e-01	4.232696e-01
	C19	1.646456e-02	1.425933e+00	4.942230e-01	1.413873e+00
	C24	2.440049e-03	8.297977e-01	9.246205e-02	1.416055e+00
	C20-21	1.615713e-02	9.475386e+00	6.405300e+00	5.601788e+00
	C22	7.163148e-03	1.763570e+01	1.952684e+00	2.222489e+00
	C23	4.628086e-04	4.411825e+00	3.380801e-01	2.477398e+00
	C25_33	1.743304e-03	4.489341e+00	1.455591e-01	8.972871e-01
	C25	2.144779e-03	7.387031e-01	6.516063e-02	1.716216e-01
	C26	4.289206e-05	8.874118e-03	2.402078e-04	7.587958e-04
	C27	2.223467e-02	3.150322e-01	7.196566e-02	2.121599e-01
	C28_32	3.025510e-04	6.735057e-02	1.295972e-02	1.901066e-02
	C29	2.372938e-03	6.630255e-01	1.837971e-01	1.105562e-01
	C30	2.238321e-04	1.004542e-01	5.359257e-03	3.500540e-02
	C31	5.364172e-03	6.725561e-01	5.269901e-01	8.486043e-01
	E37-39	4.097637e-04	8.253031e-02	1.438078e-02	5.240041e-02
	D35	4.509821e-04	4.353113e-02	1.063737e-02	2.356675e-02
	E36	5.122553e-05	4.510624e-03	2.798022e-04	2.644265e-03
	F	1.528770e-02	4.106425e-01	3.827832e-02	8.588053e-01
	G45	4.354387e-04	1.256326e-01	1.128558e-02	4.463401e-02
	G47	1.349673e-02	3.642217e+00	7.609254e-01	1.764195e+00

	G46	1.756195e-02	7.593884e+00	2.724748e+00	4.254286e+00
	I	3.959264e-03	5.025376e-01	5.549672e-02	8.482058e-02
	H49	1.758670e-02	3.210823e+01	1.475447e+00	2.660901e+01
	H50	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	H51	5.496956e-03	2.925074e-01	5.148493e-02	8.105543e-02
	H52	9.138469e-03	7.463001e+00	5.390071e-01	2.439304e+00
	H53	1.659617e-03	2.732781e-01	2.564930e-02	7.798776e-02
	K64	8.186423e-03	3.442088e-01	6.373893e-02	1.677235e-01
	K65	2.417086e-02	3.091775e-01	7.544129e-02	2.085502e-01
	K66	2.112062e-03	4.821031e-02	6.725611e-03	4.245786e-02
	L68	2.685571e-04	6.623123e-02	1.050311e-02	6.433971e-01
	M_N	8.393356e-02	6.251973e+00	4.697449e-01	6.757242e-01
	J62_63	2.908248e-03	2.078438e-02	9.716745e-03	3.527973e-03
	O84	2.598538e-05	8.252874e-04	3.794925e-04	1.852538e-04
	P85	1.287879e-04	1.017240e-02	2.553676e-03	3.122313e-03
	R_S	1.029595e-03	1.246532e-01	1.294891e-02	8.384705e-01
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
PT	A01	9.680906e-06	3.602348e-01	1.436652e-02	1.782839e-04
	A02	1.684720e-06	6.664547e-04	2.890190e-05	5.793753e-02
	A03	2.305810e-06	3.997997e-03	1.302419e-04	2.241316e-05
	B_nongas	1.486329e-05	4.507443e-03	2.075548e-04	3.190154e-03
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	2.054406e-04	4.437314e+00	4.518158e-01	9.789591e-04
	C13-15	2.271734e-04	1.583844e-01	3.462899e+00	1.672789e-02
	C16	7.759609e-05	2.335125e-02	3.610359e-03	4.135118e+00
	C17	6.917094e-04	4.210696e-01	3.100794e-02	3.963738e-01
	C18	1.374796e-03	6.804975e-02	2.269848e-02	3.658352e-02
	C19	2.222093e-05	5.721137e-03	5.022817e-04	4.651870e-03
	C24	6.870564e-06	7.212578e-03	1.508337e-04	3.053938e-02
	C20-21	3.810244e-05	8.363039e-03	1.542962e-02	5.092992e-03
	C22	8.076334e-04	2.063825e+00	1.817238e-01	2.411729e-01
	C23	4.312880e-05	1.167456e-01	1.294507e-02	6.076204e-02
	C25_33	1.780828e-04	9.138810e-01	2.753063e-02	1.517687e-01
	C25	1.729229e-04	4.127440e-02	4.638742e-03	1.113201e-02
	C26	3.295701e-07	7.115779e-03	8.776410e-05	3.543566e-04
	C27	4.568527e-03	4.685582e-02	1.295709e-02	3.622060e-02
	C28_32	1.422327e-05	2.188060e-02	3.536776e-04	5.676643e-03
	C29	3.226424e-05	1.497961e-02	8.261398e-03	2.682259e-03
	C30	4.518281e-05	1.283218e-03	5.270755e-03	5.392904e-04
	C31	2.658700e-04	4.504289e-02	2.907752e-02	4.635561e-02
	E37-39	1.265638e-04	1.282624e-03	2.386169e-04	2.772217e-03
	D35	3.548363e-05	1.582811e-03	1.698020e-04	3.270875e-04
	E36	3.180139e-05	6.012167e-04	7.392654e-05	6.675645e-04
	F	3.239183e-03	2.985860e-02	7.657030e-03	5.127477e-02
	G45	6.207716e-05	1.067508e-02	5.964926e-04	6.659518e-03
	G47	7.463934e-04	1.280440e-01	2.784514e-02	1.245069e-02
	G46	7.546032e-04	3.272410e-01	6.114681e-02	1.185534e-01

	I	2.237778e-03	2.586715e-01	2.893722e-02	3.996248e-02
	H49	9.234538e-04	1.928794e+00	8.314714e-02	1.625026e+00
	H50	2.023235e-05	4.992227e-03	1.547984e-03	6.410085e-03
	H51	7.510013e-04	3.254353e-02	6.442292e-03	9.355851e-03
	H52	7.019516e-04	5.048622e-01	3.671685e-02	1.579275e-01
	H53	4.873426e-04	1.770709e-02	2.325575e-03	4.326844e-03
	K64	2.817585e-03	1.080312e-01	2.144961e-02	4.943951e-02
	K65	1.779213e-04	2.287896e-03	5.595009e-04	1.542251e-03
	K66	5.626195e-06	5.961364e-04	1.174866e-04	2.675259e-04
	L68	1.033792e-04	4.075370e-03	1.325358e-03	2.865771e-03
	M_N	5.853630e-03	4.397320e-01	3.337816e-02	4.120186e-02
	J62_63	8.710850e-05	1.424184e-03	2.933019e-04	1.660572e-04
	O84	2.450231e-04	2.158073e-02	1.984363e-03	5.032835e-03
	P85	4.545948e-04	2.657714e-03	3.151599e-04	1.216312e-03
	R_S	1.012233e-04	6.416746e-03	4.426192e-03	2.298942e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
RO	A01	0.000000e+00	7.295235e+00	8.343898e-03	5.899328e-05
	A02	1.340263e-08	1.010578e-02	2.858807e-04	1.205069e+00
	A03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	B_nongas	2.428764e-06	2.837086e-03	0.000000e+00	3.827377e-03
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	1.967703e-03	1.972794e+01	4.197550e-01	8.812144e-04
	C13-15	1.388138e-03	7.099847e-01	1.669461e+01	7.296102e-02
	C16	5.417889e-04	1.533382e-01	2.581168e-02	3.362700e+01
	C17	4.085545e-03	2.503648e+00	1.840756e-01	2.353017e+00
	C18	1.932662e-04	5.329422e-03	2.669284e-03	1.114726e-03
	C19	6.677206e-02	2.318606e-01	8.880881e-02	3.569846e-01
	C24	1.665558e-06	5.808863e-02	0.000000e+00	2.666611e-01
	C20-21	3.917723e-03	2.612160e+00	1.861147e+00	1.674297e+00
	C22	1.783054e-03	4.605035e+00	4.052415e-01	5.355013e-01
	C23	1.248969e-05	3.752608e-01	3.466307e-02	2.153566e-01
	C25_33	2.407714e-05	1.543293e+00	2.481752e-02	2.508442e-01
	C25	3.539242e-04	1.722802e-02	9.009378e-03	1.128703e-02
	C26	0.000000e+00	1.824106e-01	1.808657e-03	8.383283e-03
	C27	9.347712e-03	7.357138e-02	2.553939e-02	7.163375e-02
	C28_32	0.000000e+00	2.370179e-02	3.139075e-04	6.042741e-03
	C29	0.000000e+00	0.000000e+00	8.593720e-04	0.000000e+00
	C30	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C31	4.686704e-03	5.209064e-01	3.047641e-01	2.503171e-01
	E37-39	2.114488e-04	1.520338e-03	3.712218e-04	2.166718e-03
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	1.062390e-02	7.364669e-02	1.840614e-02	1.015466e-01
	G45	2.382040e-06	1.359894e-04	4.607859e-05	5.543402e-05
	G47	3.020512e-06	3.551632e-04	1.676693e-04	3.291833e-04
	G46	3.225147e-04	1.457715e-02	1.716291e-02	2.609471e-02
	I	2.104039e-03	2.422216e-01	2.661094e-02	3.811635e-02

	H49	1.532235e-02	2.656355e+01	1.273650e+00	2.221711e+01
	H50	5.689380e-04	1.241838e-01	4.640294e-02	1.582679e-01
	H51	5.122622e-03	2.458175e-01	4.637627e-02	6.419685e-02
	H52	6.335622e-03	5.194359e+00	3.770987e-01	1.626518e+00
	H53	1.899961e-03	5.620744e-02	9.135507e-03	1.722066e-02
	K64	1.477179e-02	5.660823e-01	1.122940e-01	2.589920e-01
	K65	3.738125e-03	4.780023e-02	1.166576e-02	3.225180e-02
	K66	3.742700e-05	3.968312e-03	7.801435e-04	1.778202e-03
	L68	9.128956e-06	1.951699e-02	6.486043e-03	1.098320e-02
	M_N	1.591685e-01	1.253994e+01	7.896657e-01	1.114549e+00
	J62_63	2.923330e-03	3.866192e-03	9.139071e-03	1.325690e-03
	O84	4.750334e-07	8.227221e-05	1.442695e-05	1.623492e-05
	P85	6.659164e-05	1.982055e-04	2.611663e-05	1.588928e-04
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
SE	A01	2.040005e-04	9.583029e-02	2.653882e-03	3.776846e-03
	A02	5.218683e-06	8.325926e-04	1.373149e-04	1.752979e-01
	A03	7.981804e-08	3.501980e-02	1.649956e-07	5.962056e-07
	B_nongas	8.926680e-05	9.383980e-03	1.345689e-03	9.979747e-03
	B_gas	3.081471e-05	2.442663e-03	1.582580e-04	2.156148e-04
	C10-12	6.893737e-05	3.336520e-01	1.350300e-01	1.068959e-02
	C13-15	1.673616e-05	1.022591e-02	1.375532e+00	3.096759e-03
	C16	2.948522e-04	4.973512e-02	7.748637e-03	9.314484e+00
	C17	2.199377e-02	1.342189e+01	9.992684e-01	1.261721e+01
	C18	4.116059e-04	4.179461e-02	4.246194e-03	2.426919e-02
	C19	1.516094e-03	4.114408e-02	6.307464e-03	1.519112e-01
	C24	2.573108e-04	8.893142e-02	4.996492e-03	5.403454e-01
	C20-21	1.176183e-03	7.179701e-02	8.872318e-02	5.892988e-02
	C22	9.843224e-04	2.380331e+00	2.111044e-01	3.005270e-01
	C23	5.144244e-05	3.246344e-01	2.888207e-02	1.694771e-01
	C25_33	1.309525e-04	5.446412e-01	1.711132e-02	9.894595e-02
	C25	1.205874e-03	8.230410e-02	3.038874e-02	3.362231e-02
	C26	3.669483e-05	8.003266e-03	4.102322e-04	9.138022e-04
	C27	2.709588e-03	3.003004e-02	8.733582e-03	2.150802e-02
	C28_32	8.007488e-05	7.194122e-02	2.402671e-03	1.864907e-02
	C29	7.012192e-04	6.619364e-02	1.421559e-02	1.987920e-02
	C30	3.900980e-04	3.374601e-02	6.387291e-03	5.973654e-03
	C31	5.916046e-04	8.813843e-02	6.381391e-02	5.993732e-02
	E37-39	2.633415e-02	1.752384e-01	4.694483e-02	1.846624e-01
	D35	2.076514e-03	3.477753e-02	5.282858e-03	3.524970e-02
	E36	9.407766e-04	6.016428e-03	1.680250e-03	5.162052e-03
	F	4.048598e-03	8.912350e-02	9.968633e-03	3.916230e-02
	G45	6.119915e-04	7.315658e-02	8.019147e-03	1.093075e-02
	G47	1.262386e-03	1.265370e-01	1.604085e-02	2.850170e-02
	G46	7.047808e-03	4.803488e-01	2.672033e-01	5.436873e-01
	I	3.355547e-03	3.809616e-01	4.205838e-02	6.036047e-02
	H49	3.927384e-03	6.241089e+00	2.995637e-01	5.163669e+00

	H50	1.236944e-03	1.589527e-01	2.961559e-02	1.128623e-01
	H51	6.165659e-03	3.037265e-01	5.480048e-02	7.616315e-02
	H52	9.100435e-03	2.225220e+00	1.640298e-01	8.090013e-01
	H53	4.519272e-03	2.288441e-01	2.540290e-02	8.060564e-02
	K64	1.071749e-03	3.923555e-02	7.915057e-03	1.797387e-02
	K65	4.312396e-03	5.582872e-02	1.359140e-02	3.704358e-02
	K66	1.562549e-05	6.248849e-04	1.438581e-04	2.978114e-04
	L68	8.137331e-06	2.750675e-03	9.124618e-04	1.582176e-03
	M_N	6.634570e-02	5.122278e+00	4.110153e-01	4.861206e-01
	J62_63	3.560662e-03	3.907707e-02	1.214078e-02	5.460726e-03
	O84	4.685844e-04	3.844664e-02	3.291192e-03	1.055835e-02
	P85	3.545426e-04	2.778065e-02	2.155530e-03	4.523027e-03
	R_S	3.533386e-04	4.490537e-02	8.361060e-03	2.383232e-02
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
SI	A01	1.004210e-04	2.975128e+01	1.361712e-01	1.043005e-03
	A02	4.874761e-05	5.960454e-01	1.752691e-02	7.104908e+01
	A03	4.345806e-06	2.108020e-02	5.084054e-05	2.150287e-04
	B_nongas	3.987412e-04	4.903833e-02	4.721764e-03	1.445224e-02
	B_gas	3.866230e-04	1.777386e-04	5.432007e-05	1.695029e-05
	C10-12	1.956045e-04	4.150075e+00	3.428055e-01	6.253589e-02
	C13-15	2.952674e-04	4.018519e-01	1.086419e+01	5.095272e-01
	C16	9.129800e-04	5.769836e-01	4.972503e-02	5.120906e+01
	C17	3.936131e-04	2.862213e-01	2.702423e-02	2.421048e-01
	C18	3.205425e-03	1.274552e-01	3.950795e-02	6.370882e-02
	C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C24	2.519456e-04	7.493105e-01	6.678933e-02	4.697188e-01
	C20-21	9.234059e-03	9.579088e+00	6.417324e+00	5.619509e+00
	C22	3.577961e-03	9.022408e+00	7.902414e-01	1.065356e+00
	C23	1.050213e-03	9.625055e-01	3.439534e-01	4.083017e-01
	C25_33	5.663320e-04	5.253090e+00	1.162545e-01	1.176013e+00
	C25	1.391720e-03	6.555946e-01	4.228725e-02	2.009061e-01
	C26	5.750597e-05	1.215134e-02	5.831867e-04	1.106518e-03
	C27	5.165272e-03	5.854903e-01	4.520404e-02	1.207140e-01
	C28_32	1.437039e-04	7.536485e-02	8.520224e-03	2.203612e-02
	C29	1.049193e-03	1.777026e-01	1.284434e-02	3.589525e-02
	C30	7.419950e-06	1.217594e-01	2.262085e-03	1.997735e-02
	C31	1.916643e-03	6.328009e-01	2.010850e-01	2.614231e+00
	E37-39	3.343485e-04	2.218626e-02	1.575401e-03	3.078744e-03
	D35	4.505201e-03	3.340445e-01	2.138907e-02	3.252002e-02
	E36	1.748283e-04	8.054944e-03	6.362624e-04	1.578526e-03
	F	2.004661e-02	4.646961e-01	5.604478e-02	4.111438e+00
	G45	6.379849e-04	1.404615e-01	7.652400e-03	8.480306e-02
	G47	4.372977e-03	2.908723e+00	2.917783e-01	5.033915e+00
	G46	4.291207e-03	1.488674e+00	2.161097e-01	3.144238e+00
	I	9.912167e-03	1.264199e+00	1.281466e-01	1.784346e-01
	H49	1.219554e-02	1.799231e+01	9.088759e-01	1.482977e+01
	H50	1.998830e-03	6.449068e-01	1.656734e-01	8.227000e-01

SK	H51	2.464976e-03	1.139542e-01	2.042342e-02	2.953633e-02
	H52	7.266373e-03	6.703675e+00	4.515625e-01	3.151391e+00
	H53	5.613977e-03	1.951540e-01	2.808972e-02	5.537795e-02
	K64	2.344857e-03	1.031820e-01	1.860530e-02	5.067799e-02
	K65	1.200856e-03	1.528637e-02	3.747607e-03	1.031138e-02
	K66	5.369724e-05	4.066914e-03	6.040581e-04	1.254211e-03
	L68	7.832872e-04	1.257070e-01	1.391719e-02	3.213390e-02
	M_N	5.745716e-02	4.532660e+00	3.674973e-01	4.396853e-01
	J62_63	1.021520e-03	9.623728e-03	7.883492e-03	1.487616e-03
	O84	2.017068e-04	2.940444e-02	2.364092e-03	3.140928e-03
	P85	5.923960e-04	5.584221e-02	7.446703e-03	3.376952e-02
	R_S	8.782820e-04	7.427539e-02	7.011156e-03	1.157400e-02
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	7.456757e-05	2.922829e+01	3.244931e-01	2.824254e-02
	A02	2.078593e-05	2.215457e-01	6.754520e-03	2.336677e+01
	A03	9.112566e-08	4.835066e-03	6.814906e-06	9.451435e-05
	B_nongas	6.709521e-05	7.665339e-02	1.689114e-03	6.747432e-02
	B_gas	3.298925e-08	2.199811e-04	8.297066e-06	2.616163e-06
	C10-12	5.092739e-04	3.168397e+01	1.509866e+00	3.439375e-02
	C13-15	5.493552e-04	3.182732e-01	1.212672e+01	4.288030e-02
	C16	9.879339e-04	2.385343e-01	3.654568e-02	4.545998e+01
	C17	4.940433e-03	3.095378e+00	2.378520e-01	2.839538e+00
	C18	3.737327e-03	2.097958e-01	1.010740e-01	3.840646e-02
	C19	8.279976e-02	2.320961e+00	3.496906e-01	9.539958e+00
	C24	1.123512e-03	3.173024e-01	8.117334e-03	9.551562e-01
	C20-21	5.230787e-03	8.417436e-01	1.674311e-01	6.898341e-01
	C22	3.962362e-03	9.971912e+00	9.866509e-01	1.193813e+00
	C23	2.113411e-04	6.977867e-01	5.852343e-02	4.771284e-01
	C25_33	7.028594e-04	5.596672e+00	1.048829e-01	1.053454e+00
	C25	1.071747e-03	6.279148e-01	2.872839e-02	7.800909e-01
	C26	1.027851e-04	2.941346e-01	6.433128e-03	2.948589e-02
	C27	9.429609e-03	3.554183e-01	3.288576e-02	1.831944e-01
	C28_32	2.578717e-04	5.232938e-02	1.595650e-02	1.199818e-02
	C29	2.734166e-04	4.482043e-01	4.726064e-02	6.633968e-02
	C30	8.183822e-05	1.720204e-02	2.621434e-03	5.707665e-03
	C31	3.330392e-03	4.413850e-01	2.973093e-01	5.312165e+00
	E37-39	1.596084e-03	2.612367e-01	2.116731e-02	1.684893e-01
	D35	7.157146e-04	8.497610e-02	6.586232e-03	2.141226e-02
	E36	2.930874e-04	2.140514e-02	3.335227e-03	2.577729e-02
	F	1.550930e-02	3.923175e-01	4.992130e-02	1.045281e+00
	G45	1.211772e-04	4.468027e-02	4.480237e-03	3.663536e-02
	G47	6.055838e-03	1.015749e+00	5.184822e-01	7.559821e-01
	G46	1.090252e-02	1.699170e+00	2.976083e-01	8.803791e-01
	I	3.281262e-03	4.447237e-01	5.976517e-02	1.132713e-01
	H49	1.168709e-02	2.055140e+01	1.013981e+00	1.677351e+01
	H50	5.691719e-04	2.126622e-01	4.328661e-02	2.058698e-01
	H51	1.231221e-03	1.838751e-01	1.955772e-02	5.544493e-02

	H52	9.995471e-03	7.520448e+00	5.281522e-01	2.914505e+00
	H53	2.332775e-03	1.127563e-01	1.343951e-02	5.176063e-02
	K64	4.485129e-03	1.726677e-01	3.425242e-02	7.899822e-02
	K65	6.112548e-04	7.816251e-03	1.907574e-03	5.273786e-03
	K66	1.023216e-04	7.532408e-03	1.484157e-03	3.392950e-03
	L68	5.492739e-03	3.937156e-01	3.545945e-02	1.487393e-01
	M_N	9.721711e-02	8.230339e+00	7.932881e-01	1.318529e+00
	J62_63	7.719795e-03	1.008224e-01	3.672389e-02	1.347959e-02
	O84	4.078252e-04	4.127966e-02	3.878846e-03	1.031459e-01
	P85	4.074817e-04	4.361698e-02	8.978631e-03	5.440188e-02
	R_S	2.147555e-03	2.062515e-01	4.342525e-01	2.196346e-01
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
GB	A01	2.484983e-05	8.148880e-01	1.967084e-02	1.583265e-04
	A02	9.128781e-06	4.214370e-03	3.385372e-04	3.219938e-01
	A03	1.487931e-06	1.309985e-01	3.854691e-05	7.632397e-05
	B_nongas	1.109653e-03	1.280874e+00	5.330950e-01	2.550448e-02
	B_gas	3.203340e-03	2.546559e-01	1.538916e-02	5.334241e-02
	C10-12	1.776194e-04	4.309537e+00	1.046105e+00	1.957658e-02
	C13-15	1.707681e-04	1.593129e-01	1.199119e+01	3.563413e-02
	C16	8.189553e-05	1.499767e-01	6.621921e-02	2.306422e+00
	C17	4.723693e-03	2.878243e+00	2.651801e-01	2.666525e+00
	C18	9.650511e-03	8.781209e-01	1.698489e-01	2.769552e-01
	C19	7.367989e-04	1.174980e-02	2.100744e-03	4.356537e-02
	C24	1.829759e-04	1.483657e-01	6.493267e-03	2.271934e-01
	C20-21	9.991065e-04	3.468648e-01	2.669182e-01	1.232006e-01
	C22	3.946922e-03	9.544983e+00	1.359798e+00	1.181564e+00
	C23	2.111553e-04	2.614772e+00	2.178066e-01	1.386260e+00
	C25_33	3.613355e-03	5.497004e-01	1.275409e-01	1.420286e-01
	C25	3.664027e-03	6.477877e-01	1.140304e-01	1.403593e-01
	C26	1.118010e-04	1.269391e-01	2.506726e-02	1.368055e-02
	C27	3.622914e-03	4.256893e-01	5.174595e-02	8.384566e-02
	C28_32	2.560949e-04	1.331628e-01	6.865017e-03	2.978403e-02
	C29	1.122286e-03	7.590850e-01	1.156672e-01	1.424241e-01
	C30	2.536344e-03	4.558597e-01	6.189457e-02	9.285521e-02
	C31	1.519558e-03	5.174489e-01	1.100422e-01	1.458642e-01
	E37-39	7.766609e-04	5.122413e-02	3.912567e-03	1.738195e-02
	D35	1.638191e-03	1.297242e-01	1.677049e-02	2.014889e-02
	E36	7.055779e-05	4.821343e-03	3.472024e-04	1.180149e-03
	F	1.713279e-02	1.636659e-01	3.191679e-02	1.629164e-01
	G45	3.841083e-04	2.326509e-02	3.137511e-03	3.390352e-03
	G47	3.929174e-03	3.409346e-01	3.404607e-02	4.904918e-02
	G46	1.379527e-02	1.000395e+00	1.531425e-01	2.223461e-01
	I	8.523436e-03	9.643025e-01	1.054726e-01	1.513411e-01
	H49	2.482556e-03	4.335316e+00	1.979725e-01	3.636915e+00
	H50	9.223130e-04	2.750123e-01	7.337531e-02	3.625669e-01
	H51	2.983282e-02	1.428081e+00	2.695261e-01	3.730860e-01
	H52	2.270031e-03	1.387856e+00	1.020594e-01	4.360030e-01

	H53	9.647718e-03	4.216762e-01	4.693411e-02	8.001518e-02
	K64	1.974177e-02	7.434400e-01	1.485267e-01	3.404074e-01
	K65	4.252889e-03	5.528697e-02	1.378742e-02	3.712654e-02
	K66	2.192669e-03	1.591577e-01	1.174601e-02	1.686787e-02
	L68	5.544799e-04	8.268843e-02	1.635666e-02	2.701588e-02
	M_N	3.486031e-01	2.734446e+01	1.770435e+00	2.436885e+00
	J62_63	1.838791e-02	9.264403e-01	8.731301e-02	9.251561e-02
	O84	2.890609e-06	5.006317e-04	8.778890e-05	9.879052e-05
	P85	1.982522e-03	7.821603e-03	1.121256e-03	4.973478e-03
	R_S	3.675815e-03	2.497368e-01	5.296979e-02	4.093762e-02
	T	1.742051e-06	1.141795e-05	3.914813e-06	1.354187e-05
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
US	A01	1.098739e-06	3.694281e+00	1.251503e-02	5.142450e-03
	A02	1.872640e-09	1.584917e-03	3.994379e-05	1.683745e-01
	A03	0.000000e+00	1.388863e-02	0.000000e+00	0.000000e+00
	B_nongas	4.253031e-04	8.391934e-01	5.866055e-01	7.303978e-01
	B_gas	1.705515e-04	1.917316e-01	1.227034e-01	1.109796e-01
	C10-12	1.049157e-03	3.306084e+00	1.459903e+00	7.949350e-01
	C13-15	2.145797e-03	2.605595e+00	4.352182e+00	1.567242e+00
	C16	4.683281e-05	1.346682e-02	3.785894e-03	1.340920e+00
	C17	4.866563e-03	3.535842e+00	8.846664e-01	2.944982e+00
	C18	6.669715e-03	5.029852e-01	4.286890e-02	4.838964e-02
	C19	1.369627e-03	1.407768e+00	9.962147e-01	8.814732e-01
	C24	2.307179e-04	2.722897e-01	1.793407e-01	5.491677e-01
	C20-21	1.309876e-01	1.635574e+02	1.159284e+02	1.004700e+02
	C22	2.784600e-03	6.096636e+00	1.132452e+00	1.189528e+00
	C23	1.306979e-04	1.911507e+00	2.214062e-01	1.061676e+00
	C25_33	2.927381e-04	1.141811e+00	2.118929e-01	3.268131e-01
	C25	1.571242e-03	5.306851e-01	3.441863e-01	3.159802e-01
	C26	7.667613e-05	5.197527e-01	5.898211e-02	6.652863e-02
	C27	8.279185e-03	1.334070e-01	4.632587e-02	9.152340e-02
	C28_32	5.387240e-04	1.227192e+00	4.297323e-01	5.247570e-01
	C29	2.574275e-04	2.676666e-01	1.729223e-01	1.510011e-01
	C30	4.879830e-04	5.609042e-01	3.874846e-01	3.381007e-01
	C31	4.516493e-03	6.979349e-01	4.109981e-01	3.510619e-01
	E37-39	2.604254e-04	3.395076e-01	2.364712e-01	2.000561e-01
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	2.058070e-03	1.426689e-02	3.565651e-03	1.967168e-02
	G45	1.270480e-05	7.253106e-04	2.457638e-04	2.956618e-04
	G47	1.055122e-05	1.263004e-03	5.850463e-04	1.192392e-03
	G46	1.278034e-03	5.776512e-02	6.801176e-02	1.034059e-01
	I	8.491787e-03	9.777284e-01	1.074470e-01	1.539147e-01
	H49	1.403719e-03	2.733120e+00	1.235347e-01	2.294419e+00
	H50	4.618724e-04	1.443306e-01	3.856230e-02	1.917629e-01
	H51	1.018290e-02	4.886436e-01	9.218818e-02	1.276125e-01
	H52	1.409940e-03	9.158512e-01	9.144330e-02	4.474936e-01
	H53	1.221796e-02	4.492777e-01	5.688761e-02	9.494640e-02

	K64	2.089257e-02	7.967391e-01	1.581553e-01	3.650923e-01
	K65	1.591139e-03	2.034625e-02	4.965550e-03	1.372804e-02
	K66	3.763042e-05	3.989880e-03	7.843837e-04	1.787866e-03
	L68	9.549717e-06	2.041345e-02	6.783943e-03	1.148767e-02
	M_N	2.851247e-01	2.244347e+01	1.582539e+00	1.994200e+00
	J62_63	8.735655e-03	7.915400e-02	2.884884e-02	9.630398e-03
	O84	2.593620e-04	1.839386e-02	3.622379e-03	4.926574e-03
	P85	2.068984e-04	6.158190e-04	8.114366e-05	4.936756e-04
	R_S	7.578791e-03	5.778947e-01	8.580057e-02	9.049729e-02
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
JP	A01	0.000000e+00	7.688212e-03	2.417818e-04	1.277081e-07
	A02	4.659462e-11	3.513303e-05	9.938725e-07	4.189456e-03
	A03	0.000000e+00	7.653235e-03	0.000000e+00	0.000000e+00
	B_nongas	1.566223e-06	2.496345e-02	0.000000e+00	3.621514e-03
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	2.805919e-07	1.060081e-01	3.198902e-02	2.577660e-05
	C13-15	2.150275e-06	1.184953e-03	8.945361e-01	6.548080e-04
	C16	5.659527e-07	1.601771e-04	2.696288e-05	3.512676e-02
	C17	2.217756e-04	1.359739e-01	9.991702e-03	1.277931e-01
	C18	3.303211e-05	9.108789e-04	4.562210e-04	1.905236e-04
	C19	1.312455e-04	2.846824e-03	2.813191e-04	1.238382e-02
	C24	1.094803e-06	7.164300e-03	0.000000e+00	1.972548e-01
	C20-21	1.231125e-02	1.544302e+01	1.097239e+01	9.501377e+00
	C22	5.896564e-04	1.522886e+00	1.340135e-01	1.770904e-01
	C23	7.670354e-06	2.971363e-01	2.076449e-02	1.645542e-01
	C25_33	3.855414e-06	2.471238e-01	3.973969e-03	4.016708e-02
	C25	7.566825e-04	3.683314e-02	1.926186e-02	2.413144e-02
	C26	0.000000e+00	1.117139e-01	1.107677e-03	5.134182e-03
	C27	5.029726e-03	3.958657e-02	1.374199e-02	3.854399e-02
	C28_32	0.000000e+00	1.705506e-01	2.258780e-03	4.348168e-02
	C29	0.000000e+00	0.000000e+00	2.368530e-03	0.000000e+00
	C30	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C31	2.835119e-04	3.151110e-02	1.843604e-02	1.514238e-02
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	G45	1.010208e-06	5.767222e-05	1.954162e-05	2.350920e-05
	G47	9.046547e-07	1.082681e-04	5.016210e-05	1.021949e-04
	G46	1.003074e-04	4.533733e-03	5.337947e-03	8.115882e-03
	I	2.536167e-04	2.919692e-02	3.207631e-03	4.594470e-03
	H49	1.065321e-04	2.285398e-01	9.859734e-03	1.926448e-01
	H50	2.014257e-04	6.295774e-02	1.681965e-02	8.370404e-02
	H51	2.137286e-03	1.025612e-01	1.934934e-02	2.678453e-02
	H52	7.734961e-05	6.341629e-02	4.603879e-03	1.985765e-02
	H53	1.437861e-04	4.253692e-03	6.913609e-04	1.303233e-03
	K64	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

	K65	4.184317e-04	5.350579e-03	1.305821e-03	3.610146e-03
	K66	1.667701e-06	1.768230e-04	3.476222e-05	7.923445e-05
	L68	3.839076e-07	8.207641e-04	2.727630e-04	4.618856e-04
	M_N	8.278677e-03	6.356767e-01	7.528595e-02	5.759480e-02
	J62_63	8.490980e-05	1.122957e-04	2.654495e-04	3.850542e-05
	O84	5.103813e-07	8.839420e-05	1.550048e-05	1.744298e-05
	P85	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CN	A01	0.000000e+00	6.687877e-01	7.483589e-03	3.941573e-06
	A02	3.428802e-09	2.585367e-03	7.313702e-05	3.082934e-01
	A03	0.000000e+00	4.436677e-02	0.000000e+00	0.000000e+00
	B_nongas	1.222739e-04	2.170775e+00	0.000000e+00	2.874419e-01
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	4.542838e-06	8.973888e-01	4.321008e-01	5.148416e-04
	C13-15	1.543310e-03	8.817797e-01	3.127284e+01	8.207685e-02
	C16	1.955532e-04	5.534587e-02	9.316463e-03	1.213732e+01
	C17	2.239874e-03	1.373305e+00	1.009135e-01	1.290680e+00
	C18	8.018911e-04	2.211259e-02	1.107527e-02	4.625171e-03
	C19	6.047943e-03	1.392194e-01	2.959675e-03	6.555201e-01
	C24	1.389664e-06	2.870645e-02	0.000000e+00	2.443108e-01
	C20-21	1.790058e-02	2.235118e+01	1.585089e+01	1.373526e+01
	C22	4.292124e-03	1.108513e+01	9.754874e-01	1.289045e+00
	C23	6.084319e-05	2.344305e+00	1.663806e-01	1.309626e+00
	C25_33	6.700118e-05	4.294632e+00	6.906148e-02	6.980420e-01
	C25	1.785818e-03	8.692850e-02	4.545919e-02	5.695169e-02
	C26	0.000000e+00	2.913143e+00	2.888469e-02	1.338831e-01
	C27	4.063452e-02	3.198149e-01	1.110198e-01	3.113921e-01
	C28_32	0.000000e+00	3.736607e-01	4.948778e-03	9.526434e-02
	C29	0.000000e+00	0.000000e+00	4.343526e-04	0.000000e+00
	C30	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C31	8.497931e-03	9.445075e-01	5.525982e-01	4.538749e-01
	E37-39	1.495668e-04	1.094104e-03	2.610105e-04	1.855492e-03
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	3.716660e-04	2.576452e-03	6.439195e-04	3.552501e-03
	G45	1.578298e-06	9.010421e-05	3.053086e-05	3.672960e-05
	G47	1.316758e-06	1.573524e-04	7.301969e-05	1.483002e-04
	G46	1.591338e-04	7.192593e-03	8.468448e-03	1.287554e-02
	I	9.839440e-04	1.132738e-01	1.244448e-02	1.782493e-02
	H49	7.453246e-04	1.447973e+00	6.552329e-02	1.216380e+00
	H50	1.216314e-03	3.802194e-01	1.015669e-01	5.055182e-01
	H51	1.053342e-03	5.054637e-02	9.536148e-03	1.320051e-02
	H52	4.766983e-04	3.908285e-01	2.837327e-02	1.223808e-01
	H53	1.530424e-04	4.527527e-03	7.358679e-04	1.387129e-03
	K64	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	K65	8.179261e-04	1.045900e-02	2.552544e-03	7.056905e-03

	K66	1.188475e-05	1.260117e-03	2.477306e-04	5.646588e-04
	L68	2.795578e-06	5.976725e-03	1.986233e-03	3.363406e-03
	M_N	2.196675e-02	1.714638e+00	1.552770e-01	1.532739e-01
	J62_63	1.815245e-04	2.400716e-04	5.674917e-04	8.231887e-05
	O84	1.110047e-06	1.922518e-04	3.371256e-05	3.793739e-05
	P85	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CA	A01	1.337219e-05	1.576334e-01	2.841564e-03	3.339466e-03
	A02	5.232400e-05	7.355097e-03	5.466170e-04	1.813542e-02
	A03	4.229973e-08	8.467070e-03	5.716225e-06	2.422479e-07
	B_nongas	2.962200e-05	6.711738e-03	2.000214e-03	2.325370e-03
	B_gas	2.569367e-05	2.170445e-03	1.342018e-04	2.080166e-04
	C10-12	1.284180e-04	4.371388e-01	1.055348e-01	1.068837e-02
	C13-15	1.333817e-05	6.245762e-03	7.984770e-02	2.288460e-03
	C16	8.849659e-05	3.198492e-02	2.831866e-03	7.503778e-01
	C17	1.950227e-03	1.192046e+00	9.947227e-02	1.097009e+00
	C18	1.945070e-04	5.721467e-02	5.255467e-03	4.659649e-02
	C19	3.446537e-05	2.623630e-02	1.810668e-02	1.696378e-02
	C24	3.346364e-05	7.922361e-02	4.740730e-03	3.465309e-02
	C20-21	8.355867e-04	1.010206e+00	7.237838e-01	6.182266e-01
	C22	2.175985e-04	5.033709e-01	5.482739e-02	7.447049e-02
	C23	3.477390e-05	2.497045e-02	3.443930e-03	1.268214e-02
	C25_33	3.464347e-05	1.412750e-01	1.436576e-02	3.119547e-02
	C25	1.201396e-04	2.175460e-02	2.814339e-03	7.162687e-03
	C26	1.717896e-06	8.603379e-03	1.034717e-04	4.106365e-04
	C27	6.540272e-04	5.278279e-02	1.060629e-02	1.690311e-02
	C28_32	2.215846e-05	2.961413e-02	1.586263e-03	1.202426e-02
	C29	1.760701e-04	1.380860e-02	1.264159e-03	2.079853e-03
	C30	3.991174e-05	3.524276e-03	8.615337e-04	7.927921e-04
	C31	1.389077e-04	4.533252e-02	2.206734e-02	7.784983e-02
	E37-39	1.014768e-06	1.259351e-04	9.383074e-06	9.355370e-05
	D35	2.056786e-05	1.678605e-03	2.194856e-04	1.859470e-04
	E36	2.836338e-10	1.204095e-08	1.133269e-08	2.176929e-08
	F	7.719548e-04	7.756546e-03	1.553971e-03	7.390998e-03
	G45	1.056216e-04	9.212482e-03	8.069205e-04	1.660382e-03
	G47	1.074904e-04	9.325562e-03	1.030118e-03	1.963782e-03
	G46	9.162929e-04	1.778079e-01	3.867386e-02	4.332047e-02
	I	1.882381e-03	2.165238e-01	2.378397e-02	3.405071e-02
	H49	2.866962e-04	4.855371e-01	2.335173e-02	4.027993e-01
	H50	4.886852e-04	1.472445e-01	3.875058e-02	1.917849e-01
	H51	3.401987e-03	1.632492e-01	3.079888e-02	4.263363e-02
	H52	1.081476e-03	2.192851e-01	2.928872e-02	1.155416e-01
	H53	7.847866e-04	3.013450e-02	4.714151e-03	6.738552e-03
	K64	9.957270e-04	3.795513e-02	7.513906e-03	1.726176e-02
	K65	4.015742e-04	5.199122e-03	1.260447e-03	3.468503e-03
	K66	1.494536e-05	3.198643e-04	6.882558e-05	1.629834e-04

	L68	9.473483e-07	8.369669e-04	2.772445e-04	4.572498e-04
	M_N	3.189427e-02	2.521517e+00	1.719959e-01	2.230616e-01
	J62_63	3.156451e-04	2.695907e-03	1.048070e-03	3.371845e-04
	O84	1.053829e-04	2.362593e-02	1.152215e-02	1.128136e-02
	P85	8.063980e-05	1.998943e-03	2.121435e-04	3.026809e-04
	R_S	1.969142e-04	1.787560e-02	2.499147e-03	2.600487e-03
	T	6.309427e-11	8.729711e-10	9.062125e-11	4.611829e-09
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
KR	A01	0.000000e+00	5.788277e-03	1.078144e-04	5.693823e-08
	A02	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A03	0.000000e+00	1.226556e-03	0.000000e+00	0.000000e+00
	B_nongas	5.916155e-09	1.091159e-04	0.000000e+00	1.424757e-05
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	2.253875e-07	5.876678e-02	2.981898e-02	2.926218e-05
	C13-15	1.502348e-05	7.796790e-03	9.288598e-01	1.253260e-03
	C16	5.838560e-08	1.652441e-05	2.781582e-06	3.623796e-03
	C17	3.447254e-05	2.113571e-02	1.553098e-03	1.986408e-02
	C18	1.405942e-05	3.876963e-04	1.941808e-04	8.109235e-05
	C19	3.435502e-04	5.427066e-03	1.051275e-03	1.865915e-02
	C24	8.085552e-07	4.272897e-03	0.000000e+00	1.452092e-01
	C20-21	4.871756e-03	4.501487e+00	3.207454e+00	2.774480e+00
	C22	5.753537e-04	1.485947e+00	1.307628e-01	1.727949e-01
	C23	3.346530e-06	1.343429e-01	9.350677e-03	7.649574e-02
	C25_33	3.483422e-06	2.232799e-01	3.590538e-03	3.629153e-02
	C25	1.054545e-04	5.133226e-03	2.684416e-03	3.363061e-03
	C26	0.000000e+00	1.871597e-01	1.855746e-03	8.601543e-03
	C27	6.059836e-03	4.769408e-02	1.655641e-02	4.643797e-02
	C28_32	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C29	0.000000e+00	0.000000e+00	1.188801e-03	0.000000e+00
	C30	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C31	3.662893e-04	4.071144e-02	2.381884e-02	1.956353e-02
	E37-39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	G45	4.748477e-07	2.710881e-05	9.185534e-06	1.105049e-05
	G47	5.064791e-07	6.010344e-05	2.809868e-05	5.624249e-05
	G46	6.235663e-05	2.818420e-03	3.318364e-03	5.045283e-03
	I	1.065099e-04	1.226166e-02	1.347090e-03	1.929513e-03
	H49	6.260934e-05	1.331131e-01	5.768124e-03	1.121713e-01
	H50	1.314864e-04	4.112299e-02	1.098004e-02	5.467739e-02
	H51	6.596889e-04	3.165627e-02	5.972316e-03	8.267241e-03
	H52	4.810685e-05	3.944116e-02	2.863339e-03	1.235028e-02
	H53	6.773228e-05	2.003756e-03	3.256745e-04	6.139045e-04
	K64	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	K65	9.768933e-05	1.249175e-03	3.048641e-04	8.428442e-04
	K66	7.770472e-07	8.238880e-05	1.619709e-05	3.691844e-05
	L68	1.769153e-07	3.782308e-04	1.256967e-04	2.128497e-04

	M_N	4.482689e-03	3.247993e-01	2.078884e-02	3.157613e-02
	J62_63	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	O84	2.422087e-07	4.194873e-05	7.355972e-06	8.277815e-06
	P85	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
BR	A01	4.365057e-06	8.721861e-01	3.204716e-02	4.013583e-03
	A02	5.550088e-07	5.130833e-03	2.020673e-03	5.311479e-03
	A03	4.761180e-09	2.493557e-03	5.518154e-05	9.473399e-06
	B_nongas	3.077078e-05	5.247131e-01	1.398745e-04	7.234162e-02
	B_gas	7.293839e-11	1.559365e-07	5.182208e-08	8.775339e-08
	C10-12	4.264819e-04	1.399307e+00	1.474514e-01	1.565741e-03
	C13-15	1.706018e-05	9.767400e-03	8.153166e-02	1.778171e-03
	C16	5.740035e-06	1.617893e-03	2.765371e-04	3.517011e-01
	C17	1.612024e-04	9.850067e-02	7.589495e-03	9.441524e-02
	C18	3.274661e-07	2.292294e-04	1.252155e-04	1.580908e-04
	C19	5.283510e-07	3.984182e-04	2.797999e-04	2.450858e-04
	C24	4.482351e-06	1.142672e-02	1.518226e-03	2.913147e-01
	C20-21	4.819618e-03	8.794700e-01	5.848742e-01	5.086472e-01
	C22	3.825006e-05	9.299223e-02	8.830602e-03	1.232201e-02
	C23	1.583880e-06	2.241577e-02	2.637286e-03	9.183371e-03
	C25_33	2.802356e-06	2.834679e-02	1.894342e-03	5.942805e-03
	C25	9.993084e-05	5.295944e-03	2.571806e-03	3.338768e-03
	C26	1.204459e-06	2.905677e-03	1.030422e-03	9.488059e-04
	C27	5.265352e-04	4.512565e-03	1.474268e-03	4.136298e-03
	C28_32	1.198353e-06	1.277438e-02	1.983363e-04	3.301419e-03
	C29	1.659999e-05	3.775156e-03	2.914756e-04	2.042569e-03
	C30	8.066787e-08	7.349550e-06	1.056565e-06	2.437906e-06
	C31	7.977968e-06	1.193085e-03	5.449226e-04	5.935868e-04
	E37-39	1.221765e-08	1.723145e-05	2.774640e-06	9.803309e-06
	D35	7.387114e-10	4.087113e-07	1.558550e-07	2.590718e-07
	E36	7.358941e-10	3.056333e-07	1.238347e-07	2.039040e-07
	F	4.332390e-04	3.023109e-03	7.571891e-04	4.152137e-03
	G45	3.930976e-04	3.290441e-02	2.138597e-03	3.958612e-03
	G47	1.149354e-03	1.043992e-01	6.726441e-03	1.926948e-02
	G46	1.576792e-03	1.317921e-01	2.003342e-02	4.010764e-02
	I	6.934878e-04	7.989130e-02	8.815919e-03	1.256841e-02
	H49	6.030076e-04	1.180669e+00	5.322967e-02	9.921156e-01
	H50	4.871756e-04	1.520503e-01	4.067545e-02	2.021278e-01
	H51	3.105750e-04	1.490389e-02	2.812683e-03	3.894041e-03
	H52	3.708293e-04	3.039316e-01	2.207136e-02	9.517989e-02
	H53	9.213308e-05	2.726205e-03	4.437947e-04	8.362804e-04
	K64	1.364798e-09	2.917830e-06	9.696768e-07	1.642011e-06
	K65	1.377529e-04	1.762807e-03	4.303352e-04	1.189252e-03
	K66	2.168696e-06	2.305593e-04	4.541448e-05	1.033881e-04
	L68	5.070355e-07	7.954810e-04	2.652152e-04	4.492664e-04
	M_N	4.450777e-03	3.533756e-01	2.187125e-02	3.120233e-02

IN	J62_63	1.068880e-04	1.433301e-04	3.348104e-04	4.957971e-05
	O84	8.242285e-05	1.540561e-02	1.416716e-03	7.641797e-03
	P85	3.812002e-05	4.698386e-04	3.569461e-05	1.121131e-04
	R_S	1.209218e-05	1.659566e-04	1.648395e-03	1.162055e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	4.875735e-07	1.743426e+00	4.719288e-02	6.632652e-05
	A02	9.005359e-09	6.790175e-03	1.920861e-04	8.096977e-01
	A03	0.000000e+00	7.033875e-03	0.000000e+00	0.000000e+00
	B_nongas	3.229729e-05	7.821389e-02	0.000000e+00	4.553520e-02
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	8.859623e-05	2.579982e+00	4.822846e-01	6.270299e-02
	C13-15	6.066187e-04	4.676355e-01	1.086183e+01	7.901753e-02
	C16	2.799238e-05	1.378538e-02	4.114449e-03	3.683468e-01
	C17	1.041027e-04	8.399893e-02	1.016460e-02	7.623330e-02
	C18	5.855895e-05	3.497895e-02	4.421265e-03	1.336907e-02
	C19	1.486812e-04	1.503352e-01	1.060947e-01	9.317931e-02
	C24	1.502871e-04	2.139115e-01	1.278850e-02	1.802948e-01
	C20-21	6.603931e-03	8.540732e+00	6.207105e+00	5.034271e+00
	C22	1.000478e-03	2.331237e+00	5.828636e-01	3.813333e-01
	C23	6.617401e-05	1.090935e+00	8.468492e-02	6.037345e-01
	C25_33	1.750470e-04	4.538920e-01	1.242969e-02	8.580551e-02
	C25	3.323600e-04	3.646203e-02	6.645033e-03	1.148511e-02
	C26	7.974095e-09	1.642258e-03	1.825989e-05	8.744828e-05
	C27	3.682928e-03	1.404829e-01	3.525877e-02	6.575658e-02
	C28_32	2.037719e-05	6.063148e-02	2.284199e-02	1.930317e-02
	C29	7.483681e-05	8.202553e-02	2.036359e-02	1.107932e-02
	C30	2.603870e-05	3.288220e-02	2.403170e-03	4.396483e-03
	C31	3.670441e-04	9.183494e-02	7.284374e-02	5.678419e-02
	E37-39	9.352727e-08	5.352466e-05	4.888467e-05	3.942580e-05
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	7.623012e-07	5.284401e-06	1.320704e-06	7.286314e-06
	G45	4.431824e-06	2.530105e-04	8.572994e-05	1.031359e-04
	G47	3.812518e-06	4.595717e-04	2.113034e-04	4.369459e-04
	G46	4.808458e-04	2.173346e-02	2.558864e-02	3.890530e-02
	I	7.292478e-04	8.395262e-02	9.223201e-03	1.321091e-02
	H49	1.484552e-04	3.241956e-01	1.387340e-02	2.734307e-01
	H50	3.469792e-04	1.084998e-01	2.897479e-02	1.442596e-01
	H51	1.918275e-03	9.205163e-02	1.736659e-02	2.403988e-02
	H52	1.004578e-04	8.236192e-02	5.979289e-03	2.579012e-02
	H53	5.464877e-04	1.616701e-02	2.627656e-03	4.953196e-03
	K64	1.029605e-06	3.945636e-05	7.826974e-06	1.805194e-05
	K65	3.759659e-04	4.807559e-03	1.173296e-03	3.243759e-03
	K66	3.114889e-06	3.302656e-04	6.492800e-05	1.479921e-04
	L68	7.184636e-07	1.536018e-03	5.104621e-04	8.643955e-04
	M_N	3.186598e-02	2.507279e+00	1.933624e-01	2.226699e-01
	J62_63	1.412458e-04	1.868019e-04	4.415703e-04	6.405305e-05

	084	4.834891e-07	8.373668e-05	1.468375e-05	1.652390e-05
	P85	1.806998e-07	5.378407e-07	7.086882e-08	4.311638e-07
	R_S	9.292024e-08	1.178586e-06	1.086120e-05	1.930142e-06
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
MX	A01	1.766251e-08	3.547976e-01	2.067419e-03	1.316170e-06
	A02	7.603674e-11	5.733283e-05	1.621879e-06	6.836682e-03
	A03	4.633288e-07	5.168197e-04	3.867885e-05	1.917685e-04
	B_nongas	6.347733e-08	1.047456e-07	3.451589e-08	6.185724e-08
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	2.357633e-05	5.120780e-01	2.039528e-01	3.165821e-03
	C13-15	2.765697e-04	1.377437e-01	1.426921e+00	1.339061e-02
	C16	2.664132e-06	1.298176e-03	3.567218e-03	5.699778e-02
	C17	3.373013e-05	2.130534e-02	1.410569e-02	1.894484e-02
	C18	7.459638e-05	5.528494e-03	7.806197e-04	8.024623e-04
	C19	1.956444e-05	3.412427e-03	2.199528e-03	3.388080e-03
	C24	9.894283e-06	4.645843e-03	1.490474e-03	6.198093e-03
	C20-21	3.140326e-03	2.172399e+00	1.539697e+00	1.334030e+00
	C22	7.278146e-05	1.434473e-01	2.012601e-02	1.933634e-02
	C23	4.742809e-06	1.762676e-01	9.609618e-03	9.976939e-02
	C25_33	1.764289e-05	8.760790e-02	2.099568e-03	1.452923e-02
	C25	2.849951e-05	6.868780e-03	1.273749e-03	1.959438e-03
	C26	4.933431e-05	8.274840e-02	2.130434e-03	4.792435e-03
	C27	1.215136e-03	2.608312e-02	1.012990e-02	1.391854e-02
	C28_32	3.839960e-05	4.742464e-02	1.758618e-03	1.253291e-02
	C29	1.087735e-04	1.748388e-02	3.169247e-03	4.130405e-03
	C30	5.762198e-06	9.452620e-04	1.811504e-03	2.023045e-04
	C31	1.797394e-04	3.009199e-02	1.513128e-02	1.180147e-02
	E37-39	5.158216e-07	8.861039e-05	4.298468e-05	5.557361e-05
	D35	2.602225e-09	1.341288e-07	6.392491e-08	8.362099e-08
	E36	1.126356e-08	5.206815e-07	2.624671e-07	3.364321e-07
	F	1.001293e-06	7.208819e-06	1.880396e-06	9.730297e-06
	G45	7.731766e-06	5.949435e-04	6.950327e-05	8.733858e-05
	G47	1.444985e-05	1.298090e-03	1.991701e-04	2.778410e-04
	G46	2.630446e-04	1.400753e-02	1.165546e-02	1.742351e-02
	I	5.222401e-04	6.000192e-02	6.582300e-03	9.431701e-03
	H49	3.897059e-05	8.491157e-02	3.634258e-03	7.161549e-02
	H50	9.916124e-05	3.098424e-02	8.275521e-03	4.119550e-02
	H51	9.451803e-04	4.544783e-02	8.560522e-03	1.192401e-02
	H52	2.467153e-05	2.022809e-02	1.469228e-03	6.335619e-03
	H53	1.585230e-05	1.294544e-04	5.374472e-05	2.746648e-05
	K64	1.408380e-06	5.397174e-05	1.070640e-05	2.469296e-05
	K65	3.064844e-07	3.919084e-06	9.564615e-07	2.644287e-06
	K66	1.653958e-06	1.753659e-04	3.447577e-05	7.858152e-05
	L68	1.694885e-06	7.594146e-04	2.225871e-04	3.754594e-04
	M_N	3.903652e-03	3.099588e-01	1.916962e-02	2.735644e-02
	J62_63	8.129595e-04	1.209132e-03	2.544680e-03	3.800273e-04
	084	4.946774e-07	8.567440e-05	1.502354e-05	1.690628e-05

RU	P85	1.495421e-06	1.001850e-04	6.265765e-06	9.431955e-06
	R_S	2.767705e-05	2.354914e-03	2.821691e-04	3.101287e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.735436e-04	2.309252e-01	3.234679e-02	6.457823e-02
	A02	1.310043e-04	2.412092e-02	2.331896e-03	3.736916e-01
	A03	1.877927e-06	2.404164e-02	1.375475e-04	6.329882e-04
	B_nongas	2.121844e-04	1.714272e-01	8.183447e-02	1.794652e-01
	B_gas	2.020800e-04	3.192657e-02	1.349869e-02	3.639762e-02
	C10-12	6.252123e-05	1.368236e-01	5.682370e-02	3.018148e-02
	C13-15	6.987850e-05	4.002719e-02	4.731810e-01	2.168234e-02
	C16	2.644899e-04	7.951742e-02	1.405260e-02	1.594594e+01
	C17	1.225107e-03	7.508549e-01	5.786421e-02	7.036966e-01
	C18	2.214843e-05	1.816901e-03	6.614552e-04	9.863423e-04
	C19	2.565710e-03	2.109061e-01	8.818629e-02	3.705989e-01
	C24	8.482832e-05	2.001318e-01	4.818118e-02	2.767963e-01
	C20-21	3.894849e-03	3.784241e+00	2.666942e+00	2.361512e+00
	C22	2.111245e-04	5.269092e-01	4.645616e-02	6.471210e-02
	C23	2.729412e-05	2.147415e-01	2.245850e-02	1.786810e-01
	C25_33	7.106084e-05	3.073009e-01	2.941993e-02	2.229137e-01
	C25	8.603094e-05	3.014018e-02	1.070692e-02	6.816745e-02
	C26	1.697907e-07	4.697528e-03	1.241127e-04	5.604073e-04
	C27	3.146324e-04	4.699946e-03	2.370126e-03	9.205268e-03
	C28_32	1.572097e-06	6.571738e-03	9.704228e-04	5.381559e-03
	C29	3.338193e-06	2.861112e-03	1.705798e-03	7.744220e-03
	C30	2.610557e-05	3.603743e-03	1.955657e-03	8.034392e-03
	C31	2.055514e-04	2.958048e-02	1.747058e-02	2.472414e-02
	E37-39	5.084970e-05	2.710199e-02	2.939128e-03	2.015367e-02
	D35	5.533441e-05	2.764925e-02	7.462885e-03	2.302156e-02
	E36	1.316868e-06	8.432685e-05	1.346932e-05	6.628122e-05
	F	3.024572e-02	2.542466e-01	5.541047e-02	3.190505e-01
	G45	1.074267e-04	3.482953e-02	3.482734e-03	1.927748e-02
	G47	2.253054e-04	6.740987e-02	1.241729e-02	5.352758e-02
	G46	1.469412e-03	4.300501e-01	1.113287e-01	5.273565e-01
	I	2.317350e-03	2.633132e-01	2.937233e-02	4.286947e-02
	H49	4.101816e-03	4.235291e+00	2.752095e-01	3.504092e+00
	H50	8.105457e-03	2.351786e+00	6.715371e-01	3.102034e+00
	H51	1.445301e-02	6.941326e-01	1.310224e-01	1.814908e-01
	H52	4.101414e-03	3.328415e+00	2.426725e-01	1.073635e+00
	H53	1.883584e-03	7.064506e-02	1.954818e-02	2.625703e-02
	K64	1.440178e-02	5.518933e-01	1.095635e-01	2.525014e-01
	K65	6.885067e-04	8.838445e-03	2.176633e-03	5.959191e-03
	K66	3.394852e-04	3.580218e-02	7.305589e-03	1.604732e-02
	L68	9.041131e-06	1.931111e-03	1.122167e-03	1.288682e-03
	M_N	8.017203e-02	5.749713e+00	4.161225e-01	5.738690e-01
	J62_63	2.823113e-03	3.733651e-03	8.825766e-03	1.280243e-03
	O84	9.729982e-05	4.814629e-02	1.304284e-02	3.130113e-02
	P85	5.233598e-05	1.110954e-03	1.297669e-04	5.351939e-04

AU	R_S	3.667860e-05	2.536201e-03	2.462804e-03	1.266704e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	3.470466e-06	8.590657e-02	3.399459e-03	1.365332e-03
	A02	4.254987e-07	3.407892e-05	3.885401e-06	3.379001e-06
	A03	4.701985e-07	5.480382e-03	1.271437e-04	3.473026e-06
	B_nongas	3.966618e-04	2.122833e-01	2.958410e-02	7.064049e-02
	B_gas	1.392283e-04	1.087122e-02	9.654359e-04	9.713599e-04
	C10-12	3.979603e-05	1.185802e-01	4.128360e-02	3.260544e-04
	C13-15	7.222579e-06	1.261375e-03	2.331439e-01	2.254126e-04
	C16	1.811067e-05	2.352744e-03	3.700000e-04	1.142570e-01
	C17	9.787618e-05	5.724378e-02	4.215011e-03	5.345874e-02
	C18	5.559640e-05	4.893154e-03	6.323926e-04	2.013262e-03
	C19	2.230508e-05	6.182628e-04	6.327244e-05	6.995937e-04
	C24	6.948756e-05	7.700773e-03	7.352563e-04	1.120309e-02
	C20-21	4.153807e-04	4.643891e-01	3.283933e-01	2.845524e-01
	C22	3.164108e-05	6.495748e-02	5.722244e-03	7.540087e-03
	C23	2.016721e-05	2.447705e-02	1.557150e-03	1.295682e-02
	C25_33	4.296359e-05	6.979316e-02	1.525526e-03	1.121806e-02
	C25	5.888369e-05	3.378723e-03	1.186384e-03	1.434122e-03
	C26	3.526158e-06	4.544087e-03	6.598961e-05	2.207503e-04
	C27	4.300749e-04	5.494331e-03	1.309393e-03	3.274854e-03
	C28_32	9.612884e-06	7.745152e-03	1.672044e-04	1.851615e-03
	C29	1.999683e-05	1.545934e-03	1.732181e-04	1.393565e-04
	C30	1.353230e-05	1.049564e-03	1.094082e-04	9.543434e-05
	C31	5.266592e-05	5.729339e-03	3.210255e-03	2.640231e-03
	E37-39	7.610840e-06	5.601132e-04	5.129194e-05	1.964335e-04
	D35	1.535439e-05	1.175325e-03	1.019341e-04	1.066736e-04
	E36	1.608607e-06	1.251327e-04	1.185479e-05	1.132430e-05
	F	3.894242e-04	3.010564e-02	2.762741e-03	2.924253e-03
	G45	2.275561e-05	8.356864e-03	1.474123e-02	3.767395e-03
	G47	3.132330e-05	1.223267e-02	1.954459e-02	5.538053e-03
	G46	6.545609e-04	1.924687e-01	1.320517e-01	1.299841e-01
	I	3.706952e-03	4.267196e-01	4.688345e-02	6.715137e-02
	H49	4.138171e-04	6.171985e-01	2.851260e-02	5.192060e-01
	H50	4.333474e-04	1.353928e-01	3.618234e-02	1.800027e-01
	H51	4.829840e-03	2.342670e-01	4.380123e-02	6.142835e-02
	H52	2.129485e-04	1.710020e-01	1.243257e-02	5.348532e-02
	H53	2.529637e-04	8.585058e-03	1.255691e-03	2.044595e-03
	K64	7.154586e-05	5.373255e-03	5.230793e-04	5.619165e-04
	K65	1.183459e-05	6.874770e-04	7.791172e-05	7.912517e-05
	K66	3.930465e-05	3.138519e-03	2.668766e-04	4.498780e-04
	L68	1.803643e-06	2.116565e-03	6.920668e-04	1.167462e-03
	M_N	1.144846e-02	9.022123e-01	6.646026e-02	8.001664e-02
	J62_63	2.245669e-04	3.453179e-03	8.764102e-04	3.740319e-04
	O84	5.411907e-05	3.868083e-03	3.709022e-04	3.605413e-04
	P85	4.979535e-05	3.726936e-03	3.349554e-04	3.351799e-04
	R_S	9.711964e-05	7.864820e-03	3.401249e-03	3.193164e-03

CH	T	1.122152e-07	8.739234e-06	8.248298e-07	7.826654e-07
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.519400e-05	1.048196e+00	2.203197e-02	2.508808e-04
	A02	1.627719e-07	1.227324e-01	3.471957e-03	1.463529e+01
	A03	0.000000e+00	8.005606e-04	0.000000e+00	0.000000e+00
	B_nongas	1.641875e-05	1.220708e-01	7.846025e-04	2.645861e-02
	B_gas	5.088795e-08	1.361519e-04	1.328644e-05	6.560790e-05
	C10-12	1.310337e-02	9.326842e+00	2.421714e+00	9.673639e-02
	C13-15	1.074360e-04	7.275261e-02	1.659989e+01	4.096169e-02
	C16	3.559875e-04	9.896203e-02	1.539797e-02	1.822921e+01
	C17	1.495189e-02	9.160926e+00	6.733567e-01	8.609184e+00
	C18	1.478385e-03	4.929469e-02	1.961091e-02	1.041629e-02
	C19	8.819660e-03	2.555581e-01	2.542937e-02	9.488579e-01
	C24	1.352590e-05	5.507800e-02	4.784868e-04	5.295737e-01
	C20-21	1.333113e-01	1.660979e+02	1.178172e+02	1.020563e+02
	C22	6.078687e-03	1.571702e+01	1.379321e+00	1.858000e+00
	C23	3.599617e-04	5.070178e+00	2.897246e-01	2.849759e+00
	C25_33	3.670578e-04	1.284276e+01	2.128825e-01	2.100651e+00
	C25	2.683452e-03	2.825477e-01	1.385669e-01	1.488330e-01
	C26	1.937954e-05	4.027586e-01	6.910590e-03	2.120697e-02
	C27	2.029682e-02	6.782382e-01	9.325567e-02	2.011827e-01
	C28_32	3.166278e-05	7.975418e-01	1.145451e-02	2.043549e-01
	C29	5.157550e-09	2.247995e-05	1.227690e-03	7.385621e-06
	C30	2.018909e-05	1.043528e-02	5.867338e-04	6.309757e-03
	C31	2.208991e-03	2.476719e-01	1.435256e-01	1.282368e-01
	E37-39	8.523222e-04	5.856382e-02	3.832897e-03	1.522235e-02
	D35	3.105589e-04	2.486852e-02	1.597778e-03	3.640163e-03
	E36	2.963196e-04	2.464299e-02	1.567392e-03	3.476051e-03
	F	2.084681e-02	3.836334e-01	4.846767e-02	3.454465e-01
	G45	4.657764e-04	7.010568e-02	5.750203e-03	1.682119e-02
	G47	1.993262e-02	3.575721e+00	1.244767e+00	1.116483e+00
	G46	2.497733e-02	4.145614e+00	1.535493e+00	1.473507e+00
	I	1.529319e-02	1.754903e+00	1.928756e-01	2.972726e-01
	H49	1.350480e-02	1.692014e+01	9.214114e-01	1.387699e+01
	H50	3.037099e-03	8.502503e-01	2.221694e-01	1.056195e+00
	H51	2.041650e-02	1.032790e+00	1.850706e-01	2.649582e-01
	H52	8.197777e-03	5.846918e+00	4.229684e-01	1.947674e+00
	H53	1.265669e-02	4.092293e-01	6.064235e-02	1.178091e-01
	K64	1.576243e-02	6.222446e-01	1.205508e-01	2.755491e-01
	K65	3.552356e-02	4.666757e-01	1.117209e-01	3.071745e-01
	K66	4.714173e-04	4.499898e-02	5.862076e-03	1.065553e-02
	L68	6.664197e-05	4.622322e-02	1.430389e-02	2.438009e-02
	M_N	5.961759e-01	4.873652e+01	4.938567e+00	5.663398e+00
	J62_63	2.255946e-02	4.136498e-02	7.080375e-02	1.135628e-02
	O84	4.552983e-04	7.442378e-02	2.721043e-02	3.322426e+00
	P85	2.116220e-03	7.440728e-02	1.501307e-02	1.201864e-02
	R_S	6.900293e-04	5.079127e-02	1.124190e-01	3.207730e-02
	T	2.476342e-05	2.164106e-03	1.520766e-02	3.222318e-04

TR	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.096460e-04	3.481578e+00	3.476751e-01	1.610069e-01
	A02	1.885494e-06	6.712597e-04	3.657299e-05	5.377708e-02
	A03	2.927158e-07	1.881696e-02	2.401802e-05	1.158056e-04
	B_nongas	9.340996e-05	1.414081e+00	3.650158e-05	2.052614e-01
	B_gas	3.266185e-09	2.092757e-07	1.739061e-07	3.412926e-07
	C10-12	9.765620e-05	2.045864e+00	1.009671e+00	1.079427e-02
	C13-15	4.612109e-04	3.407442e-01	2.326830e+01	8.963743e-02
	C16	2.089750e-04	3.461503e-02	1.895958e-02	5.811966e-01
	C17	8.778261e-04	5.555574e-01	6.301048e-02	5.144013e-01
	C18	5.407456e-04	4.572030e-02	4.749928e-03	1.271536e-02
	C19	2.225002e-04	2.468295e-02	1.469182e-02	2.744013e-02
	C24	1.868118e-04	2.288312e-01	4.468975e-02	6.870769e-02
	C20-21	2.649682e-03	3.278928e+00	2.263614e+00	1.995090e+00
	C22	2.254856e-03	5.686314e+00	5.271290e-01	6.927725e-01
	C23	5.762999e-05	7.992566e-01	6.792917e-02	4.463893e-01
	C25_33	1.381466e-04	1.298230e+00	3.562210e-02	2.589616e-01
	C25	3.494446e-04	1.715344e-01	1.702931e-02	5.325327e-02
	C26	8.264076e-08	1.033325e-03	1.511279e-05	5.729360e-05
	C27	3.354398e-03	6.693721e-02	1.145421e-02	4.429293e-02
	C28_32	4.503838e-06	1.111752e-02	4.195571e-04	2.871821e-03
	C29	9.417030e-05	6.707114e-02	6.899767e-03	1.335127e-02
	C30	2.223704e-06	1.891187e-03	1.923735e-04	9.021096e-04
	C31	1.597436e-05	5.057114e-02	9.513441e-02	3.049409e-02
	E37-39	8.109451e-07	8.256626e-04	4.387230e-04	4.335580e-04
	D35	8.146718e-04	8.093291e-03	2.282614e-03	6.261519e-03
	E36	1.135574e-04	8.784516e-03	7.177835e-04	9.958410e-04
	F	1.366326e-03	1.597080e-02	6.124137e-03	1.568517e-02
	G45	7.457891e-04	7.314334e-02	7.455046e-03	1.071122e-02
	G47	4.446669e-04	3.419702e-02	3.502992e-03	5.136054e-03
	G46	1.036382e-03	7.741422e-02	1.455639e-02	2.178944e-02
	I	1.444478e-02	1.662609e+00	1.826946e-01	2.617734e-01
	H49	4.047458e-03	6.702317e+00	3.289628e-01	5.482683e+00
	H50	9.010419e-04	2.788773e-01	7.484094e-02	3.611612e-01
	H51	6.186650e-03	3.217608e-01	5.706956e-02	9.822083e-02
	H52	1.247356e-03	1.012756e+00	7.399670e-02	3.398393e-01
	H53	8.698690e-04	2.492286e-02	4.132753e-03	7.623680e-03
	K64	8.860237e-04	3.432482e-02	6.732167e-03	1.551725e-02
	K65	2.576009e-04	3.316212e-03	8.063004e-04	2.228279e-03
	K66	6.591023e-06	7.386867e-04	1.381031e-04	3.184390e-04
	L68	1.599830e-06	2.763183e-03	9.134244e-04	1.544963e-03
	M_N	2.800021e-02	2.223798e+00	1.385303e-01	1.968713e-01
	J62_63	2.753536e-04	5.990095e-04	8.703210e-04	1.476595e-04
	O84	9.569371e-06	1.034699e-03	1.351086e-04	1.937159e-04
	P85	6.763389e-05	2.169021e-03	1.126720e-03	1.037781e-03
	R_S	2.000658e-04	1.635806e-02	1.673131e-03	1.633376e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

TW	A01	0.000000e+00	1.059646e-01	1.264682e-03	6.658249e-07
	A02	5.723252e-10	4.315417e-04	1.220781e-05	5.145940e-02
	A03	0.000000e+00	6.375923e-03	0.000000e+00	0.000000e+00
	B_nongas	2.195790e-05	3.973299e-01	0.000000e+00	5.203726e-02
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	3.514079e-07	8.810036e-02	3.668307e-02	2.283141e-05
	C13-15	1.510999e-05	8.062112e-03	3.697417e+00	2.987734e-03
	C16	3.155059e-05	8.929511e-03	1.503120e-03	1.958238e+00
	C17	3.970574e-04	2.434427e-01	1.788871e-02	2.287960e-01
	C18	1.302000e-04	3.590338e-03	1.798250e-03	7.509716e-04
	C19	5.108213e-04	1.219487e-02	1.989092e-03	4.930660e-02
	C24	2.228276e-07	4.602013e-03	0.000000e+00	3.922991e-02
	C20-21	2.876913e-03	3.607263e+00	2.557969e+00	2.216611e+00
	C22	6.214894e-04	1.605100e+00	1.412483e-01	1.866507e-01
	C23	8.634270e-06	3.543407e-01	2.291970e-02	1.941836e-01
	C25_33	9.569332e-06	6.133737e-01	9.863591e-03	9.969669e-02
	C25	2.824731e-04	1.374998e-02	7.190541e-03	9.008377e-03
	C26	0.000000e+00	1.155713e-01	1.145925e-03	5.311462e-03
	C27	6.745318e-03	5.308918e-02	1.842925e-02	5.169098e-02
	C28_32	0.000000e+00	5.272472e-02	6.982885e-04	1.344210e-02
	C29	0.000000e+00	0.000000e+00	6.814114e-05	0.000000e+00
	C30	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C31	8.302188e-04	9.227516e-02	5.398696e-02	4.434203e-02
	E37-39	4.460649e-05	3.295865e-04	7.773361e-05	5.739267e-04
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	1.097270e-04	7.606458e-04	1.901044e-04	1.048805e-03
	G45	4.213257e-07	2.405326e-05	8.150194e-06	9.804946e-06
	G47	4.007480e-07	4.864493e-05	2.220101e-05	4.657090e-05
	G46	3.552143e-05	1.605512e-03	1.890305e-03	2.874044e-03
	I	2.757818e-04	3.174860e-02	3.487965e-03	4.996008e-03
	H49	2.149922e-04	4.124789e-01	1.878914e-02	3.463355e-01
	H50	3.983036e-05	1.228199e-02	3.322507e-03	1.630791e-02
	H51	2.639400e-04	1.266560e-02	2.389510e-03	3.307704e-03
	H52	1.342635e-04	1.100781e-01	7.991417e-03	3.446892e-02
	H53	4.531892e-05	1.340691e-03	2.179052e-04	4.107567e-04
	K64	2.798410e-07	1.072403e-05	2.127330e-06	4.906420e-06
	K65	2.254763e-04	2.883215e-03	7.036552e-04	1.945365e-03
	K66	3.525064e-06	3.737556e-04	7.347785e-05	1.674800e-04
	L68	7.994973e-07	1.709262e-03	5.680358e-04	9.618885e-04
	M_N	6.595367e-03	5.147318e-01	4.671347e-02	4.601860e-02
	J62_63	5.386368e-05	7.123633e-05	1.683915e-04	2.442644e-05
	O84	3.242365e-07	5.615532e-05	9.847186e-06	1.108123e-05
	P85	4.949481e-08	1.473179e-07	1.941141e-08	1.180985e-07
	R_S	1.107231e-08	1.721889e-07	1.209351e-06	4.651921e-07
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
NO	A01	1.391977e-07	9.280789e-03	1.688732e-04	1.126845e-06

	A02	3.577563e-09	3.829610e-04	1.021497e-05	3.373802e-02
	A03	1.158745e-08	6.670445e-01	1.289926e-03	2.210189e-06
	B_nongas	3.752043e-05	2.644815e-03	6.284068e-04	2.452393e-03
	B_gas	1.140089e-04	8.543013e-03	2.621611e-03	3.496449e-03
	C10-12	7.960673e-05	5.256007e-01	2.794669e-01	1.296299e-03
	C13-15	6.556625e-06	3.774436e-03	7.505390e-01	1.289969e-03
	C16	1.799616e-05	3.084821e-03	7.560025e-04	3.826349e-01
	C17	2.070252e-03	1.252958e+00	9.257779e-02	1.174819e+00
	C18	3.270623e-05	5.907646e-03	5.921853e-04	5.274816e-03
	C19	7.048656e-05	5.435801e-03	5.979833e-04	9.708721e-04
	C24	1.861614e-05	2.344982e-01	2.627337e-04	1.405097e-01
	C20-21	1.010430e-03	2.148591e-03	8.626208e-03	5.072200e-03
	C22	2.807794e-04	6.952151e-01	6.116083e-02	8.739324e-02
	C23	1.134251e-05	2.936175e-02	2.124475e-03	1.500123e-02
	C25_33	3.422205e-05	1.029977e-01	1.197237e-02	1.749679e-02
	C25	3.174263e-04	3.697240e-02	4.010770e-03	1.013573e-02
	C26	2.083478e-08	1.303760e-04	2.093562e-06	1.694493e-05
	C27	1.572423e-04	2.693315e-03	4.800214e-04	1.532048e-03
	C28_32	5.586791e-06	7.839175e-03	2.766086e-04	2.362010e-03
	C29	7.779431e-06	4.522882e-03	3.823397e-04	8.242161e-04
	C30	4.974896e-05	2.402978e-03	2.227506e-04	8.144800e-04
	C31	5.941220e-05	8.378871e-03	3.790710e-03	3.779449e-03
	E37-39	1.088870e-05	1.234289e-04	2.462728e-05	3.181911e-04
	D35	8.866189e-06	2.166505e-04	6.528544e-05	1.289487e-04
	E36	4.702067e-07	3.387303e-06	1.034997e-06	4.707030e-06
	F	1.039600e-03	7.298172e-03	1.866617e-03	9.947185e-03
	G45	1.545300e-05	1.195575e-04	4.189835e-05	1.224374e-04
	G47	1.315873e-04	9.613996e-03	1.274176e-03	2.036830e-03
	G46	4.886094e-04	9.936022e-03	6.935380e-03	1.177988e-02
	I	2.337061e-03	2.681753e-01	2.947370e-02	4.225218e-02
	H49	1.454085e-03	2.797075e+00	1.247673e-01	2.349247e+00
	H50	1.176586e-03	9.630544e-02	9.771618e-03	3.052063e-02
	H51	1.682791e-03	8.693796e-02	1.448014e-02	2.008136e-02
	H52	1.539966e-03	1.179147e+00	8.563173e-02	3.673575e-01
	H53	8.621113e-04	2.475987e-02	4.103092e-03	7.603084e-03
	K64	2.270451e-05	3.392442e-04	8.166337e-05	2.327384e-04
	K65	3.003534e-04	3.848394e-03	9.387756e-04	2.594520e-03
	K66	5.039702e-06	5.343499e-04	1.050496e-04	2.394423e-04
	L68	1.553290e-06	2.412026e-03	8.033628e-04	1.360228e-03
	M_N	2.800511e-02	2.173823e+00	1.612250e-01	2.016580e-01
	J62_63	7.072343e-04	1.056705e-03	2.184377e-03	5.012054e-04
	O84	3.165703e-05	1.944742e-03	1.378732e-04	2.095723e-04
	P85	2.363560e-04	7.047063e-04	9.309177e-05	5.660109e-04
	R_S	2.873599e-05	2.358718e-03	2.656912e-04	3.089138e-04
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
ID	A01	0.000000e+00	1.278213e+00	4.126104e-02	2.179365e-05
	A02	1.199808e-10	9.046727e-05	2.559213e-06	1.078781e-02

	A03	0.000000e+00	5.951305e-03	0.000000e+00	0.000000e+00
	B_nongas	2.048181e-07	7.342073e-04	0.000000e+00	3.367491e-04
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	1.287564e-06	1.762730e-01	6.261482e-02	9.152874e-05
	C13-15	2.061726e-04	1.139768e-01	2.679842e+00	1.031128e-02
	C16	7.513499e-06	2.126486e-03	3.579549e-04	4.663373e-01
	C17	2.236336e-05	1.371136e-02	1.007541e-03	1.288642e-02
	C18	8.215199e-06	2.265387e-04	1.134637e-04	4.738387e-05
	C19	8.578379e-05	1.969054e-03	0.000000e+00	9.479831e-03
	C24	2.750801e-09	5.075451e-05	0.000000e+00	1.201057e-03
	C20-21	2.999432e-04	3.769283e-01	2.671263e-01	2.315282e-01
	C22	1.260638e-04	3.255809e-01	2.865101e-02	3.786051e-02
	C23	2.142100e-07	5.400490e-03	5.842213e-04	2.910619e-03
	C25_33	3.360763e-07	2.154177e-02	3.464107e-04	3.501362e-03
	C25	2.285508e-05	1.112520e-03	5.817913e-04	7.288735e-04
	C26	0.000000e+00	3.342867e-02	3.314554e-04	1.536325e-03
	C27	5.363200e-04	4.221119e-03	1.465309e-03	4.109948e-03
	C28_32	0.000000e+00	2.020580e-03	2.676065e-05	5.151445e-04
	C29	0.000000e+00	0.000000e+00	1.916887e-05	0.000000e+00
	C30	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C31	2.791515e-04	3.102645e-02	1.815249e-02	1.490949e-02
	E37-39	1.116391e-08	2.689789e-07	1.105880e-08	1.836967e-06
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	G45	4.366640e-07	2.492892e-05	8.446901e-06	1.016189e-05
	G47	3.771091e-07	4.572658e-05	2.089287e-05	4.373079e-05
	G46	4.375687e-05	1.977741e-03	2.328562e-03	3.540375e-03
	I	3.600057e-04	4.144465e-02	4.553192e-03	6.521792e-03
	H49	4.401638e-05	8.578566e-02	3.872604e-03	7.207821e-02
	H50	1.298580e-04	2.346222e-02	1.049072e-02	2.901062e-02
	H51	6.035608e-04	2.896287e-02	5.464175e-03	7.563842e-03
	H52	4.702265e-05	3.855226e-02	2.798806e-03	1.207193e-02
	H53	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	K64	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	K65	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	K66	8.664571e-07	9.186876e-05	1.806078e-05	4.116642e-05
	L68	1.970706e-07	4.213214e-04	1.400169e-04	2.370989e-04
	M_N	6.454191e-04	5.108569e-02	3.436258e-03	4.514854e-03
	J62_63	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	O84	3.047954e-07	5.278828e-05	9.256755e-06	1.041680e-05
	P85	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
ZA	A01	1.686421e-09	7.265440e-01	2.015627e-03	1.080326e-06
	A02	1.400719e-09	1.056163e-03	2.987763e-05	1.259427e-01
	A03	0.000000e+00	3.278384e-03	0.000000e+00	0.000000e+00

	B_nongas	3.059553e-04	2.730771e-02	1.684295e-03	8.807083e-03
	B_gas	9.741959e-05	7.883962e-03	5.043112e-04	7.290203e-04
	C10-12	1.536838e-04	2.165902e-01	9.557225e-02	4.268550e-03
	C13-15	3.912067e-05	9.649435e-03	6.985609e-02	1.627167e-03
	C16	2.175438e-05	3.786375e-03	1.349740e-03	2.368697e-02
	C17	4.876900e-05	1.681955e-02	1.291980e-03	1.318392e-02
	C18	1.224562e-04	1.021193e-02	1.272292e-03	9.294562e-04
	C19	5.973716e-04	5.027723e-02	6.781322e-03	6.972798e-03
	C24	4.840914e-05	7.593594e-03	1.058308e-03	4.160215e-02
	C20-21	6.568233e-04	7.058381e-01	5.083510e-01	4.364642e-01
	C22	8.124745e-05	1.923633e-01	1.778386e-02	2.287927e-02
	C23	1.061154e-05	1.420924e-02	2.705164e-03	6.701976e-03
	C25_33	1.314469e-04	2.312015e-02	1.007620e-03	3.599359e-03
	C25	3.248537e-04	3.691886e-02	7.506548e-03	7.682727e-03
	C26	7.234208e-06	1.569046e-03	7.147315e-05	1.007539e-04
	C27	2.108817e-04	1.286000e-02	9.799402e-04	1.956916e-03
	C28_32	1.271874e-05	6.051904e-03	5.388167e-04	1.571685e-03
	C29	4.299467e-04	3.788485e-02	1.126322e-02	3.771141e-03
	C30	9.422281e-05	7.604371e-03	4.701395e-04	8.453257e-04
	C31	3.066549e-05	8.121484e-03	6.005307e-03	2.657398e-03
	E37-39	1.752373e-05	5.503986e-03	4.532154e-04	6.175940e-04
	D35	7.933756e-10	2.810910e-07	9.346028e-08	1.608964e-07
	E36	2.861800e-09	2.139969e-08	7.309269e-09	2.372829e-08
	F	7.251467e-07	4.898634e-06	1.302973e-06	6.640051e-06
	G45	5.425560e-07	3.216149e-05	1.168079e-05	1.406130e-05
	G47	1.979422e-04	1.574572e-02	9.997053e-04	1.446984e-03
	G46	5.942814e-04	4.519682e-02	5.742956e-03	8.484936e-03
	I	8.241628e-04	9.487324e-02	1.042339e-02	1.493041e-02
	H49	2.709206e-03	5.401180e+00	2.415806e-01	4.541184e+00
	H50	9.732254e-04	3.042133e-01	8.126770e-02	4.044626e-01
	H51	2.034816e-03	9.764382e-02	1.842164e-02	2.550039e-02
	H52	2.219471e-03	1.697765e+00	1.315807e-01	6.406318e-01
	H53	1.217499e-04	3.602248e-03	5.855618e-04	1.103769e-03
	K64	7.570869e-07	5.181938e-05	1.339029e-05	2.615204e-05
	K65	1.779500e-04	2.299296e-03	5.632629e-04	1.548700e-03
	K66	1.546473e-06	1.639696e-04	3.223532e-05	7.347481e-05
	L68	2.997164e-04	2.444860e-02	1.692874e-03	2.474628e-03
	M_N	2.220553e-02	1.763379e+00	1.089666e-01	1.554319e-01
	J62_63	1.113770e-07	1.611838e-06	8.606746e-07	8.938546e-07
	O84	3.513327e-07	6.084818e-05	1.067011e-05	1.200728e-05
	P85	1.459863e-07	5.251457e-07	1.111481e-07	4.220073e-07
	R_S	4.039311e-08	1.002986e-06	4.867973e-06	1.571258e-06
	T	9.469918e-05	6.072026e-02	5.136742e-03	4.788871e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WA	A01	7.505623e-04	1.529448e+01	1.006748e+00	5.320996e-01
	A02	9.939325e-05	1.093824e-01	6.435846e-02	6.297358e-01
	A03	2.381823e-05	2.634737e-01	2.624155e-02	1.375987e-02
	B_nongas	7.308212e-04	3.412535e-01	2.159100e-01	1.982519e-01

	B_gas	4.849360e-04	4.562603e-02	1.470335e-02	1.930538e-02
	C10-12	3.551225e-04	5.179179e+00	2.750283e+00	1.758295e-01
	C13-15	3.796163e-04	2.795120e-01	3.409465e+01	9.467056e-02
	C16	3.329632e-05	1.118162e-02	3.525847e-03	1.401560e+00
	C17	4.639002e-04	3.104690e-01	7.883243e-02	2.452020e-01
	C18	1.978348e-03	1.141460e-01	2.853712e-02	1.616344e-02
	C19	3.045529e-03	2.347331e+00	1.651285e+00	1.489383e+00
	C24	1.519286e-04	2.416370e-01	6.172354e-02	1.656151e-01
	C20-21	2.772657e-02	3.482569e+01	2.467336e+01	2.138719e+01
	C22	5.256158e-03	1.349605e+01	1.291757e+00	1.570853e+00
	C23	1.633748e-04	1.614843e+00	1.617868e-01	9.073093e-01
	C25_33	1.771197e-04	3.105657e+00	1.110881e-01	5.213636e-01
	C25	1.079142e-03	1.659776e-01	4.223056e-02	4.996353e-02
	C26	1.614147e-05	3.378943e-01	6.332160e-03	1.605272e-02
	C27	1.654613e-02	2.759224e-01	7.612708e-02	1.498692e-01
	C28_32	1.533874e-04	2.047076e-01	9.008276e-02	9.468321e-02
	C29	1.318553e-04	6.286682e-02	4.345402e-02	1.090607e-02
	C30	6.789970e-05	3.016381e-02	1.362457e-02	7.132082e-03
	C31	1.731829e-03	2.440418e-01	2.212677e-01	1.746605e-01
	E37-39	3.476165e-04	7.355225e-02	3.825372e-02	4.732830e-02
	D35	5.939729e-04	1.077745e-01	6.366808e-02	6.256750e-02
	E36	4.505856e-05	5.330291e-03	1.334250e-03	2.551406e-03
	F	1.588356e-02	1.937045e-01	4.488966e-02	1.705667e-01
	G45	7.623146e-04	1.667477e-01	1.148534e-01	3.777474e-02
	G47	1.549128e-03	2.344722e-01	8.591353e-01	7.552635e-02
	G46	8.677444e-03	9.658973e-01	9.912708e-01	5.799300e-01
	I	8.049196e-03	9.604883e-01	1.611964e-01	1.578101e-01
	H49	4.400072e-03	3.943805e+00	3.284516e-01	3.164448e+00
	H50	9.962582e-03	2.964615e+00	8.260144e-01	3.921164e+00
	H51	4.736069e-02	2.285289e+00	4.295563e-01	5.963724e-01
	H52	2.632160e-03	1.430436e+00	1.228126e-01	4.674438e-01
	H53	1.806000e-03	8.361085e-02	1.458824e-02	2.223795e-02
	K64	6.240441e-03	2.442170e-01	4.634934e-02	1.062274e-01
	K65	2.020969e-03	3.123199e-02	6.494798e-03	1.739856e-02
	K66	1.750533e-04	1.352311e-02	2.709958e-03	3.865519e-03
	L68	8.660199e-05	2.874142e-02	1.138071e-02	1.642912e-02
	M_N	8.001603e-02	6.220885e+00	4.813770e-01	5.748986e-01
	J62_63	3.159038e-03	5.327352e-02	1.973776e-02	5.914501e-03
	O84	5.952997e-04	6.494875e-02	1.440644e-02	1.406282e-02
	P85	1.062939e-03	1.974069e-02	1.572949e-02	7.529670e-03
	R_S	2.148198e-03	1.798162e-01	5.264025e-02	3.553349e-02
	T	4.375107e-04	3.917035e-02	6.021829e-02	2.943838e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WL	A01	3.569411e-04	1.249810e+01	1.941697e-01	1.308570e-01
	A02	1.559973e-05	2.918922e-02	7.382425e-03	1.133512e+00
	A03	5.173410e-06	4.436358e-02	3.116328e-03	1.976545e-03
	B_nongas	3.776577e-04	1.947163e-01	1.041277e-01	9.649080e-02
	B_gas	2.550185e-04	9.753549e-02	6.061227e-02	5.276266e-02

	C10-12	6.147884e-04	5.530191e+00	4.645517e-01	8.776576e-02
	C13-15	7.731984e-05	5.201978e-02	1.348295e+00	4.463759e-03
	C16	3.032587e-05	1.064335e-02	1.403711e-03	4.857120e-01
	C17	6.364967e-05	4.020891e-02	1.290191e-02	2.011037e-02
	C18	8.090650e-04	7.451293e-02	9.330997e-03	9.982135e-03
	C19	1.423569e-04	2.257260e-02	5.264030e-03	5.575193e-03
	C24	6.441680e-05	7.756235e-02	3.972412e-02	3.525490e-02
	C20-21	1.456013e-02	1.582003e+01	1.119916e+01	9.709591e+00
	C22	1.438521e-04	3.167503e-01	3.552304e-02	3.807396e-02
	C23	3.683024e-05	3.109560e-02	2.700509e-03	7.942500e-03
	C25_33	3.395403e-05	3.737890e-02	4.930050e-03	7.957999e-03
	C25	8.023769e-05	1.347153e-02	2.077693e-03	2.635847e-03
	C26	1.388262e-05	1.635842e-02	2.347019e-03	8.317553e-04
	C27	5.516644e-04	2.377230e-02	6.124307e-03	5.229197e-03
	C28_32	3.205507e-05	8.484315e-02	2.525182e-03	2.013761e-02
	C29	7.517148e-05	1.499077e-02	6.961705e-03	1.929173e-03
	C30	4.920893e-05	1.301965e-02	1.778501e-03	1.088291e-03
	C31	2.794964e-04	3.861843e-02	2.179721e-02	1.957113e-02
	E37-39	3.800277e-04	3.751127e-02	1.337826e-02	1.486985e-02
	D35	1.570034e-04	4.571547e-02	1.909598e-02	1.984724e-02
	E36	1.040971e-05	1.103185e-03	5.671480e-04	6.875405e-04
	F	9.481470e-03	8.744980e-02	1.818299e-02	9.325506e-02
	G45	1.691745e-04	5.171571e-02	2.537720e-02	2.238124e-02
	G47	3.625026e-04	9.615830e-02	5.991969e-02	3.087911e-02
	G46	2.253556e-03	3.043740e-01	2.115712e-01	2.314901e-01
	I	1.285827e-03	1.669511e-01	2.140500e-02	2.425329e-02
	H49	1.102524e-03	1.909693e+00	8.599445e-02	1.596213e+00
	H50	3.838043e-04	1.134637e-01	3.025450e-02	1.495358e-01
	H51	6.836586e-03	3.327382e-01	6.211581e-02	8.784817e-02
	H52	9.065450e-04	6.646280e-01	4.858231e-02	2.211568e-01
	H53	1.095893e-03	4.353737e-02	5.568570e-03	1.204441e-02
	K64	6.884397e-03	2.614717e-01	5.176085e-02	1.195217e-01
	K65	6.715308e-04	9.147077e-03	2.138066e-03	5.830853e-03
	K66	2.913513e-04	1.593345e-02	2.717774e-03	5.965865e-03
	L68	2.196284e-05	2.420154e-02	6.503246e-03	1.034839e-02
	M_N	2.386772e-02	1.732863e+00	1.219549e-01	1.706920e-01
	J62_63	7.474756e-04	7.886863e-03	2.677254e-03	1.107176e-03
	O84	1.852117e-04	2.425928e-02	2.065555e-03	8.070870e-03
	P85	1.211456e-03	9.982711e-03	1.236085e-03	3.410722e-03
	R_S	7.507421e-04	6.684906e-02	2.243758e-02	1.379816e-02
	T	5.184864e-05	3.964995e-03	1.633028e-03	1.687474e-03
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WE	A01	8.156197e-04	6.162316e+00	1.913951e-01	1.250277e+00
	A02	4.975876e-05	9.979070e-02	6.948387e-03	8.623140e+00
	A03	1.792618e-05	1.527729e-02	2.492909e-03	1.731455e-02
	B_nongas	8.129141e-04	6.550546e-01	8.381519e-02	3.182101e-01
	B_gas	2.981989e-04	3.330617e-02	9.896652e-03	1.451602e-02
	C10-12	8.437895e-04	4.023776e+00	9.026528e-01	3.911279e-01

	C13-15	3.126010e-04	2.266158e-01	7.821778e+00	6.338563e-02
	C16	7.263290e-04	2.205801e-01	4.066100e-02	3.856259e+01
	C17	3.081989e-03	1.878507e+00	1.565264e-01	1.794220e+00
	C18	3.603279e-03	2.896549e-01	2.860517e-02	4.116410e-02
	C19	4.885811e-03	7.327894e-01	4.703163e-01	5.728626e-01
	C24	3.770063e-04	4.703083e-01	1.263491e-01	5.478092e-01
	C20-21	1.672608e-03	7.493572e-01	5.392714e-01	6.616236e-01
	C22	3.172268e-03	7.801454e+00	7.491593e-01	1.004731e+00
	C23	3.487597e-04	4.979541e+00	2.919522e-01	2.876814e+00
	C25_33	7.232877e-04	4.584814e+00	1.218603e-01	9.737981e-01
	C25	1.646556e-03	1.714446e-01	4.074555e-02	1.061129e-01
	C26	6.536886e-05	9.064623e-02	8.459983e-03	1.921471e-02
	C27	3.393014e-02	3.637930e-01	1.132303e-01	3.088653e-01
	C28_32	2.846460e-04	9.052540e-02	2.162363e-02	4.712994e-02
	C29	7.627447e-04	1.481509e-01	3.893279e-02	5.352228e-02
	C30	1.989025e-04	4.726157e-02	1.256687e-02	2.972675e-02
	C31	5.139688e-03	6.285752e-01	3.519643e-01	5.769590e-01
	E37-39	3.330237e-04	1.206263e-01	2.193224e-02	1.738072e-01
	D35	1.900207e-03	3.761644e-01	6.886862e-02	4.272684e-01
	E36	1.132957e-04	2.515520e-02	4.715391e-03	2.761578e-02
	F	4.473588e-02	5.726469e-01	1.013020e-01	5.427662e-01
	G45	2.999763e-04	4.814134e-02	1.439308e-02	4.915076e-02
	G47	1.795451e-03	2.398816e-01	1.973208e-01	2.426241e-01
	G46	4.047333e-03	3.352154e-01	2.114895e-01	3.865012e-01
	I	3.509881e-03	4.159576e-01	4.973916e-02	9.085365e-02
	H49	5.792362e-03	9.102084e+00	4.510636e-01	7.687423e+00
	H50	6.464541e-04	9.410770e-02	3.742367e-02	1.015213e-01
	H51	9.186672e-03	4.495789e-01	8.349353e-02	1.401257e-01
	H52	2.774173e-03	1.930130e+00	1.403016e-01	7.652052e-01
	H53	5.729520e-03	2.159916e-01	3.122944e-02	6.349915e-02
	K64	2.994149e-02	1.144854e+00	2.261642e-01	5.215798e-01
	K65	1.813619e-03	2.641812e-02	5.821495e-03	1.567056e-02
	K66	6.711086e-04	3.049447e-02	5.732669e-03	1.299994e-02
	L68	6.029630e-05	3.679921e-02	1.209559e-02	2.019733e-02
	M_N	9.205378e-02	7.047291e+00	4.937900e-01	6.787047e-01
	J62_63	3.134140e-03	2.835433e-02	1.060501e-02	4.692210e-03
	O84	3.095979e-04	4.286068e-02	5.787606e-03	4.641905e-02
	P85	1.682598e-03	1.706427e-02	3.964653e-03	1.969438e-02
	R_S	1.858811e-03	1.424589e-01	5.123479e-02	5.034898e-02
	T	3.648846e-05	5.109255e-03	6.622833e-03	9.044438e-03
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WF	A01	1.580805e-03	2.908032e+01	9.967296e-01	4.158494e-01
	A02	1.001112e-04	3.507415e-02	4.890613e-03	5.391948e-01
	A03	4.869535e-05	1.764116e-01	2.191761e-02	3.379547e-02
	B_nongas	8.190563e-04	2.561002e-01	2.321189e-02	6.716204e-02
	B_gas	4.138299e-04	4.117371e-02	7.897595e-03	8.676563e-03
	C10-12	2.954920e-04	1.537930e+00	8.601705e-02	2.405001e-02
	C13-15	2.231904e-04	1.093235e-01	5.504778e+00	1.501880e-02

	C16	5.531049e-05	1.354812e-02	2.835123e-03	2.515336e+00
	C17	1.014540e-04	4.026446e-02	7.246935e-03	3.663957e-02
	C18	4.900717e-04	3.882061e-02	3.597143e-03	4.341725e-03
	C19	1.688400e-04	3.307514e-02	1.784505e-02	1.875777e-02
	C24	1.055061e-04	5.645218e-02	7.299082e-03	3.126542e-02
	C20-21	7.781526e-04	5.831615e-01	4.124128e-01	3.578393e-01
	C22	3.172655e-04	5.420201e-01	6.711096e-02	6.950670e-02
	C23	8.800130e-05	3.830089e-01	2.504609e-02	2.189139e-01
	C25_33	2.212302e-04	1.742280e-01	9.416652e-03	4.824417e-02
	C25	5.898233e-04	1.905550e-02	7.015639e-03	1.155410e-02
	C26	3.882368e-05	5.091235e-03	1.083056e-03	1.454644e-03
	C27	2.373861e-02	1.950137e-01	6.727827e-02	1.853138e-01
	C28_32	1.525723e-04	2.124817e-02	2.154934e-03	7.365752e-03
	C29	1.923953e-04	6.848562e-03	8.722668e-03	3.174319e-03
	C30	3.996851e-05	4.464156e-03	1.544330e-03	2.147860e-03
	C31	2.988109e-04	3.341965e-02	2.300273e-02	4.605606e-02
	E37-39	3.058570e-04	1.285331e-02	2.448156e-03	1.438188e-02
	D35	1.948787e-04	1.279875e-02	3.778464e-03	1.092568e-02
	E36	1.786550e-05	8.990378e-04	1.693896e-04	7.220752e-04
	F	6.582827e-03	7.817902e-02	1.634515e-02	8.011988e-02
	G45	2.648550e-04	1.609487e-02	3.930357e-03	6.514498e-03
	G47	5.190637e-04	5.715587e-02	9.846847e-02	2.584090e-02
	G46	2.770842e-03	1.606781e-01	1.375352e-01	1.421668e-01
	I	6.516893e-04	7.374289e-02	9.391025e-03	1.332802e-02
	H49	5.033952e-04	3.783852e-01	1.985446e-02	3.127244e-01
	H50	1.809866e-03	5.609789e-01	1.496512e-01	7.451271e-01
	H51	1.583312e-03	7.711010e-02	1.425594e-02	2.022939e-02
	H52	6.189531e-04	3.207692e-01	2.393115e-02	1.040678e-01
	H53	9.083580e-04	3.901464e-02	5.042652e-03	9.535113e-03
	K64	4.464323e-03	1.703342e-01	3.362566e-02	7.757292e-02
	K65	1.357765e-03	1.802857e-02	4.274934e-03	1.173296e-02
	K66	1.408287e-04	7.068271e-03	1.340687e-03	3.003509e-03
	L68	1.443588e-05	1.153907e-02	3.814175e-03	6.230498e-03
	M_N	1.885425e-02	1.403260e+00	9.586625e-02	1.330760e-01
	J62_63	4.089588e-04	5.539788e-03	1.431709e-03	6.735652e-04
	O84	1.968567e-04	1.661357e-02	1.723208e-03	2.932619e-03
	P85	7.653587e-04	2.909345e-03	4.401307e-04	1.888718e-03
	R_S	4.226836e-04	2.932849e-02	9.367998e-03	4.849905e-03
	T	3.957741e-05	1.913114e-03	1.963883e-03	3.436943e-03
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WM	A01	1.495154e-03	6.919784e+00	1.031045e+00	8.115885e-01
	A02	1.065772e-04	1.213193e-01	8.352146e-02	3.177918e-01
	A03	1.300909e-05	3.270911e-02	3.883446e-03	3.968057e-03
	B_nongas	5.498807e-03	3.398237e+00	2.282043e+00	2.044921e+00
	B_gas	5.909064e-03	1.053310e+00	7.222342e-01	6.333933e-01
	C10-12	1.190577e-03	2.594119e+00	1.102970e+00	5.827267e-01
	C13-15	4.293487e-04	1.013305e-01	1.384846e+01	3.626820e-02
	C16	1.381613e-04	7.106038e-02	4.023497e-02	2.891162e+00

C17	5.152546e-04	3.941448e-01	1.595979e-01	2.943470e-01
C18	1.179167e-03	1.247560e-01	4.357217e-02	3.710666e-02
C19	7.506106e-04	5.816009e-02	3.142976e-02	4.507301e-02
C24	2.228977e-03	4.561910e-01	2.343139e-01	4.201904e-01
C20-21	1.791123e-02	1.871479e+01	1.306305e+01	1.153051e+01
C22	3.035115e-03	7.525457e+00	8.062319e-01	9.461098e-01
C23	7.203860e-04	1.801623e+00	2.442668e-01	1.033726e+00
C25_33	4.500324e-04	2.037792e+00	1.664528e-01	4.332732e-01
C25	1.252692e-03	2.806703e-01	1.548888e-01	1.482334e-01
C26	6.890823e-05	2.869499e-01	2.695795e-02	3.351802e-02
C27	1.897614e-02	2.666910e-01	1.081638e-01	1.991342e-01
C28_32	2.674168e-04	3.708545e-01	1.353245e-01	1.617339e-01
C29	3.322377e-04	9.442864e-02	5.630439e-02	3.581808e-02
C30	1.465987e-04	5.544164e-02	3.345931e-02	3.038531e-02
C31	8.312822e-04	2.796866e-01	1.951411e-01	2.078515e-01
E37-39	1.314757e-03	1.453397e-01	9.279878e-02	9.957831e-02
D35	4.028934e-03	3.763940e-01	2.416775e-01	2.223566e-01
E36	1.332341e-04	1.609693e-02	9.118993e-03	9.857855e-03
F	2.636213e-02	2.604545e-01	8.036133e-02	2.927943e-01
G45	7.207761e-04	1.354674e-01	8.955797e-02	8.041711e-02
G47	1.225784e-03	1.898457e-01	2.309843e-01	1.018129e-01
G46	5.227422e-03	1.110611e+00	8.667480e-01	8.224283e-01
I	1.032127e-02	1.186054e+00	1.317755e-01	1.873810e-01
H49	2.181194e-03	1.839053e+00	9.734411e-02	1.517382e+00
H50	1.377214e-03	3.685642e-01	9.780517e-02	4.835998e-01
H51	2.568811e-02	1.234650e+00	2.324211e-01	3.233796e-01
H52	2.102670e-03	1.031724e+00	7.751292e-02	3.422299e-01
H53	3.877843e-03	1.811135e-01	6.659010e-02	7.380794e-02
K64	2.008780e-02	7.455179e-01	1.479864e-01	3.428232e-01
K65	2.538214e-03	3.493394e-02	8.072969e-03	2.186797e-02
K66	5.722061e-04	2.517965e-02	4.765416e-03	1.080930e-02
L68	8.755721e-05	3.015084e-02	1.065889e-02	1.642558e-02
M_N	6.657097e-02	4.412500e+00	5.048249e-01	6.181710e-01
J62_63	7.014126e-03	2.614616e-02	2.260911e-02	4.903963e-03
O84	1.025393e-03	1.183833e-01	6.048354e-02	5.637346e-02
P85	3.953704e-03	1.422763e-02	2.467546e-03	9.980120e-03
R_S	1.170066e-03	1.361590e-01	1.157194e-01	7.376848e-02
T	7.394819e-05	3.825285e-03	8.516416e-04	3.190665e-03
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

region			...	WM	
sector		C17	C18	...	K65 K66
region sector				...	
AT	A01	2.340796e-01	3.100305e-01	...	1.760960e-01 1.710784e-01
	A02	9.100977e+01	7.175854e-02	...	1.900472e-04 1.725888e-04
	A03	0.000000e+00	0.000000e+00	...	1.817886e-11 0.000000e+00
	B_nongas	7.453952e+01	3.833000e+00	...	3.856871e-02 3.722079e-02
	B_gas	9.252303e-01	7.874941e-01	...	8.512804e-04 4.384070e-04

	C10-12	1.849358e+01	8.629809e+00	...	4.073229e-01	4.424831e-01
	C13-15	1.942309e+01	1.817983e+00	...	3.652151e-02	4.026810e-02
	C16	2.612490e+01	1.499255e+01	...	2.933443e-02	1.615978e-02
	C17	2.307752e+03	2.680602e+01	...	8.779721e-01	1.784662e-01
	C18	2.981902e+01	1.659381e+03	...	3.963809e+00	1.617446e+00
	C19	1.531531e+00	2.858414e+00	...	3.724738e-03	4.494024e-03
	C24	4.523931e+01	1.123678e+01	...	6.275890e-02	6.479961e-02
	C20-21	1.710610e+01	1.231737e+01	...	3.597339e-02	3.033437e-02
	C22	4.750235e+01	9.170837e+01	...	7.378801e-02	5.090085e-02
	C23	1.093645e+01	8.182630e+00	...	2.125794e-02	1.935440e-02
	C25_33	8.365315e+00	1.198338e+01	...	1.048189e-01	2.222277e-01
	C25	1.229183e+01	1.363500e+01	...	2.527586e-01	4.904253e-01
	C26	1.039390e-01	1.269802e-01	...	7.104501e-03	9.974091e-03
	C27	2.089372e+01	9.531936e+00	...	1.528769e-01	1.891155e-01
	C28_32	9.604492e+00	2.437083e+00	...	1.306936e-02	1.175693e-02
	C29	7.551970e+00	8.238869e+00	...	1.352932e-01	1.278476e-01
	C30	5.699608e-01	7.716669e-01	...	1.768235e-02	2.438365e-02
	C31	1.875940e+01	5.553361e+01	...	1.058357e-01	4.589120e-02
	E37-39	3.991117e+02	6.205714e+00	...	1.416329e-02	2.866028e-03
	D35	1.968871e+02	4.510719e+01	...	1.288042e-02	6.526775e-03
	E36	8.413839e+00	1.653419e+00	...	3.290971e-04	1.351893e-04
	F	7.829642e+01	1.031352e+02	...	7.237042e-02	5.619044e-02
	G45	2.701464e+01	2.235277e+01	...	4.149190e-01	4.133374e-01
	G47	3.474804e+01	6.016227e+01	...	1.887211e-01	2.068479e-01
	G46	2.144891e+02	3.367132e+02	...	4.466351e-01	3.850516e-01
	I	1.101266e+01	1.454282e+01	...	2.685392e-01	4.976797e-01
	H49	2.396388e+02	2.482719e+02	...	1.844965e-01	1.560870e-01
	H50	3.058137e-01	3.526716e-01	...	2.106009e-03	1.953906e-03
	H51	7.888101e+00	1.239364e+01	...	3.011068e-01	2.794617e-01
	H52	9.768662e+01	1.056343e+02	...	8.397282e-02	6.423695e-02
	H53	1.581035e+01	1.231580e+02	...	2.127482e-01	2.247612e-01
	K64	6.733569e+01	1.168682e+02	...	4.734814e-03	1.512235e-02
	K65	1.693447e+01	2.475811e+01	...	9.986875e-04	1.790034e-03
	K66	3.873906e+00	4.740444e+00	...	1.632261e-03	3.174751e-03
	L68	2.736066e+01	2.025371e+02	...	5.548338e-02	2.071539e-03
	M_N	1.892178e+02	7.428152e+02	...	9.107439e-01	1.827495e-01
	J62_63	3.046064e+01	7.230120e+01	...	6.541453e-02	8.835619e-01
	O84	4.787433e+00	1.564498e+01	...	1.576885e-02	2.151262e-02
	P85	1.038740e+01	1.235044e+01	...	1.221924e-02	2.835217e-02
	R_S	6.512016e+00	2.593612e+01	...	2.154720e-02	2.424521e-02
	T	0.000000e+00	0.000000e+00	...	5.207532e-02	5.169806e-02
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
BE	A01	6.434071e-04	2.317081e-04	...	1.243808e+00	1.218038e+00
	A02	2.408344e-03	1.742184e-03	...	3.362064e-04	3.499438e-04
	A03	3.990419e-05	1.159200e-03	...	1.209342e-04	5.400071e-05
	B_nongas	1.075964e-01	2.224461e-03	...	3.139513e-01	3.204476e-01
	B_gas	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	C10-12	1.481593e-01	1.310973e-02	...	7.539328e-01	8.552650e-01

	C13-15	2.833875e-01	5.198969e-02	...	1.192160e-01	1.338004e-01
	C16	1.387570e-02	1.304736e-02	...	6.676007e-03	3.691359e-03
	C17	1.333001e+00	3.343155e-01	...	6.183968e-01	7.751093e-02
	C18	3.245283e-02	3.559652e+00	...	3.457983e-01	1.409537e-01
	C19	1.947920e-02	3.144232e-01	...	3.400604e-01	3.740643e-01
	C24	3.595743e-01	4.625249e-02	...	7.721136e-01	7.681589e-01
	C20-21	1.604289e-01	3.925419e-01	...	2.439021e-01	2.860314e-01
	C22	3.703715e-01	1.105957e+00	...	1.015435e-01	8.547985e-02
	C23	1.597670e-02	3.616160e-03	...	1.694936e-02	1.800201e-02
	C25_33	4.422766e-02	4.220315e-02	...	1.323291e-01	2.248686e-01
	C25	3.294942e-02	4.444380e-03	...	2.628012e-01	5.354257e-01
	C26	1.380081e-02	2.343515e-02	...	1.487644e-02	3.582447e-02
	C27	7.693090e-02	2.799558e-02	...	1.196914e-01	1.431657e-01
	C28_32	1.738076e-02	6.801538e-03	...	2.532901e-02	2.616385e-02
	C29	2.261478e-02	2.634966e-02	...	1.563200e-01	1.400509e-01
	C30	1.885159e-03	2.076657e-03	...	6.900839e-02	9.530007e-02
	C31	1.779443e-02	2.211148e-02	...	4.438047e-03	1.197864e-02
	E37-39	8.902369e-02	4.389857e-03	...	1.452423e-02	1.861366e-02
	D35	1.379531e-01	5.392312e-02	...	3.423256e-02	2.741701e-02
	E36	9.737145e-03	2.818691e-03	...	4.387521e-03	3.586792e-03
	F	6.523526e-02	8.133188e-02	...	2.951538e-01	2.735651e-01
	G45	4.026297e-02	4.685877e-02	...	1.590270e-01	1.631740e-01
	G47	4.326415e-03	5.533038e-03	...	4.875601e-03	5.376534e-03
	G46	1.022031e+00	6.270112e-01	...	7.235554e-01	1.059232e+00
	I	3.058260e-02	3.052260e-02	...	2.606652e-01	4.877260e-01
	H49	1.703081e+00	1.838238e+00	...	9.528349e-01	8.370154e-01
	H50	3.708456e-01	1.032326e-01	...	1.690594e-01	1.653107e-01
	H51	1.934469e-01	1.124896e-01	...	2.567632e+00	2.368960e+00
	H52	1.092184e+00	6.368799e-01	...	1.019199e+00	1.032074e+00
	H53	4.159202e-02	1.738574e-01	...	7.281187e-01	8.533879e-01
	K64	1.252075e-01	2.323421e-01	...	2.482545e-02	1.933154e-02
	K65	8.036703e-02	3.257853e-02	...	1.016242e-03	8.781003e-03
	K66	8.527877e-04	1.414801e-03	...	0.000000e+00	4.788377e-03
	L68	5.794651e-03	1.268704e-02	...	1.924623e-01	3.371896e-03
	M_N	6.281811e-01	1.835160e+00	...	2.565297e+00	7.704216e-01
	J62_63	3.443726e-02	5.375801e-01	...	5.712984e-02	2.078932e+00
	O84	3.781504e-02	2.372489e-01	...	4.461378e-02	6.620164e-02
	P85	2.808724e-02	5.389287e-02	...	4.071945e-02	1.377760e-01
	R_S	8.646727e-03	1.506970e-01	...	5.579907e-02	6.223156e-02
	T	0.000000e+00	0.000000e+00	...	3.004125e-01	2.982361e-01
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
BG	A01	2.222950e-03	3.542504e-03	...	2.558249e-01	4.417124e-01
	A02	3.832125e-03	4.134357e-04	...	1.791432e-04	2.024298e-04
	A03	1.327205e-04	5.475713e-05	...	6.331280e-05	9.931584e-05
	B_nongas	3.338524e-02	3.471870e-03	...	5.576153e-02	4.978579e-02
	B_gas	3.747013e-02	3.958272e-03	...	2.653911e-05	4.823231e-05
	C10-12	3.473883e-02	1.017595e-02	...	2.769427e-01	2.883451e-01
	C13-15	1.258012e-01	6.628719e-03	...	2.952890e-02	3.238224e-02

	C16	4.229921e-03	3.988364e-03	...	1.723599e-03	9.329994e-04
	C17	6.003236e-01	1.347477e-01	...	1.534304e-01	5.526986e-02
	C18	1.690884e-02	3.174615e-01	...	1.243085e-01	6.432268e-02
	C19	1.041413e-02	6.897774e-02	...	5.709470e-01	5.994398e-01
	C24	4.498891e-02	7.389106e-03	...	1.095918e-01	1.045138e-01
	C20-21	2.708699e-01	9.268967e-02	...	2.717054e-02	1.190011e-02
	C22	6.177404e-02	1.772675e-01	...	2.305178e-02	1.820421e-02
	C23	3.469102e-02	2.732020e-02	...	1.692430e-02	1.499110e-02
	C25_33	6.020296e-03	7.873423e-03	...	1.312423e-02	2.552490e-02
	C25	2.194433e-02	4.563790e-03	...	2.929317e-02	6.302081e-02
	C26	2.794978e-03	3.893991e-03	...	2.133370e-03	3.836722e-03
	C27	1.009450e-02	2.224453e-03	...	2.597975e-02	2.790971e-02
	C28_32	1.576580e-02	2.051408e-03	...	1.651311e-03	1.887705e-03
	C29	7.635859e-04	4.102394e-04	...	2.700765e-03	2.451860e-03
	C30	1.623095e-03	1.083283e-03	...	2.984904e-03	4.036692e-03
	C31	5.224081e-02	3.788503e-02	...	5.940149e-04	7.032587e-04
	E37-39	6.053018e-03	1.106682e-03	...	6.808430e-04	4.394034e-04
	D35	1.460355e-03	1.180546e-03	...	2.773782e-03	3.158980e-03
	E36	6.980891e-04	8.820291e-05	...	1.379183e-04	1.253793e-04
	F	1.662333e-02	1.403485e-02	...	1.529820e-02	1.634497e-02
	G45	2.112310e-02	2.876532e-02	...	7.891628e-03	7.899685e-03
	G47	9.956173e-02	1.292820e-01	...	4.904552e-02	9.419312e-02
	G46	1.539413e-01	1.566870e-01	...	7.131068e-02	1.465358e-01
	I	2.403972e-02	2.269406e-02	...	3.107997e-01	5.868900e-01
	H49	1.553777e+00	1.726797e+00	...	3.300653e-02	2.990624e-02
	H50	8.156661e-02	2.904687e-02	...	1.685384e-03	1.300346e-03
	H51	3.166552e-02	1.840965e-02	...	1.150142e-01	1.062121e-01
	H52	4.939338e-01	2.874616e-01	...	2.779380e-02	2.701266e-02
	H53	4.660528e-02	1.724913e-01	...	1.560183e-02	9.476203e-02
	K64	2.945143e-02	4.061992e-02	...	4.880302e-04	4.007558e-04
	K65	8.709136e-03	6.784623e-03	...	2.695122e-04	1.364211e-03
	K66	8.578333e-04	8.593351e-04	...	3.177971e-05	1.883809e-04
	L68	8.115457e-03	1.443420e-02	...	4.223823e-02	7.622791e-02
	M_N	1.266674e-01	3.557123e-01	...	6.975874e-02	2.080168e-01
	J62_63	2.946650e-02	7.143650e-02	...	1.001203e-02	2.711271e-01
	O84	1.834125e-05	1.615309e-04	...	3.788939e-11	4.860407e-11
	P85	2.262510e-04	3.666227e-04	...	1.327879e-04	3.292959e-04
	R_S	1.650637e-03	1.118638e-02	...	2.981548e-03	4.431738e-03
	T	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
CY	A01	9.235920e-04	4.246520e-05	...	1.399242e-01	1.378770e-01
	A02	0.000000e+00	0.000000e+00	...	1.004808e-05	1.034050e-05
	A03	0.000000e+00	0.000000e+00	...	5.717402e-08	0.000000e+00
	B_nongas	4.568386e-05	2.948864e-05	...	3.450227e-02	2.982433e-02
	B_gas	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	C10-12	1.350397e-02	4.729847e-04	...	1.115500e-01	1.247738e-01
	C13-15	4.404233e-04	2.623987e-05	...	6.003397e-03	5.926608e-03
	C16	3.163930e-05	2.822910e-05	...	4.400304e-04	2.611483e-04

	C17	2.327932e-03	5.183817e-04	...	1.383354e-02	5.995421e-03
	C18	8.807271e-05	1.267400e-05	...	3.727146e-02	1.526662e-02
	C19	0.000000e+00	0.000000e+00	...	4.088315e-04	4.402831e-04
	C24	2.913113e-03	1.731020e-05	...	1.105775e-02	1.060576e-02
	C20-21	1.105919e-06	7.506523e-07	...	1.894476e-03	1.839695e-03
	C22	2.138859e-03	5.895486e-03	...	1.053852e-02	8.240479e-03
	C23	2.217547e-06	9.608475e-07	...	3.217383e-04	3.655952e-04
	C25_33	2.572378e-04	4.547323e-05	...	8.844420e-03	1.641759e-02
	C25	2.656166e-04	3.539315e-05	...	1.084554e-02	2.215923e-02
	C26	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	C27	1.712221e-03	2.309168e-04	...	4.547721e-03	5.364091e-03
	C28_32	0.000000e+00	0.000000e+00	...	2.301209e-04	1.793204e-04
	C29	2.169410e-06	5.339886e-06	...	1.548812e-03	1.335536e-03
	C30	2.004432e-06	3.601256e-07	...	3.560994e-04	4.685676e-04
	C31	2.252834e-04	1.865749e-04	...	6.041908e-04	5.933823e-04
	E37-39	3.918646e-03	3.527311e-04	...	2.846556e-04	9.750418e-05
	D35	8.588999e-09	3.718155e-08	...	4.018351e-06	3.631392e-06
	E36	6.788635e-09	3.717911e-08	...	2.193542e-07	1.874515e-10
	F	1.386855e-05	1.158958e-05	...	9.307703e-03	8.230490e-03
	G45	3.898743e-05	2.776196e-05	...	1.721503e-01	1.736042e-01
	G47	1.505146e-04	3.310318e-04	...	5.353937e-02	5.058987e-02
	G46	7.262197e-03	2.132822e-03	...	5.357684e-02	4.714991e-02
	I	1.849338e-02	1.710064e-02	...	1.323849e-01	2.495845e-01
	H49	4.543669e-01	4.954621e-01	...	2.214658e-02	1.898118e-02
	H50	3.856385e-01	9.737956e-02	...	8.220873e-03	8.223371e-03
	H51	1.461015e-02	8.498610e-03	...	6.118026e-02	5.641898e-02
	H52	3.481698e-02	1.689082e-02	...	4.438595e-03	3.192564e-03
	H53	1.209960e-04	2.183638e-04	...	5.320146e-02	6.616854e-02
	K64	5.986218e-02	7.859934e-02	...	0.000000e+00	0.000000e+00
	K65	4.211155e-03	1.698477e-03	...	4.479445e-06	1.487040e-07
	K66	3.386514e-05	3.150777e-05	...	0.000000e+00	0.000000e+00
	L68	5.202588e-04	2.849286e-03	...	1.681059e-02	1.436567e-05
	M_N	1.620147e-02	4.999150e-02	...	1.447346e-01	1.760234e-02
	J62_63	1.871672e-03	2.881582e-03	...	3.122454e-04	1.637534e-01
	O84	1.037735e-07	9.139307e-07	...	2.814533e-08	3.610450e-08
	P85	1.169676e-04	1.068041e-04	...	8.300648e-06	1.130826e-06
	R_S	1.614586e-04	3.498323e-03	...	1.389415e-03	1.709308e-03
	T	0.000000e+00	0.000000e+00	...	3.535042e-02	3.509432e-02
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
CZ	A01	1.767309e-02	4.645049e-04	...	1.946501e-01	1.857449e-01
	A02	6.346870e+00	1.521055e-02	...	3.987942e-03	3.061786e-03
	A03	7.641345e-03	9.893586e-05	...	2.797373e-04	2.672610e-04
	B_nongas	7.059252e-01	6.503393e-02	...	2.618986e-02	2.284615e-02
	B_gas	1.783032e-04	2.887113e-04	...	8.693977e-05	3.031043e-05
	C10-12	3.316409e-01	5.706099e-02	...	1.124839e-01	1.278215e-01
	C13-15	6.782544e-01	1.789652e-01	...	3.725238e-02	4.075171e-02
	C16	3.557801e-01	2.031780e-01	...	5.258801e-03	2.506050e-03
	C17	1.750394e+01	4.234861e+00	...	2.537726e-01	3.084630e-02

	C18	4.686442e-01	3.294226e+01	...	4.215730e-01	1.714342e-01
	C19	8.486083e-03	1.258334e-01	...	6.897281e-02	8.010085e-02
	C24	4.958421e-01	7.012802e-02	...	9.284401e-02	9.588674e-02
	C20-21	2.776251e+00	1.097019e+00	...	1.039188e-02	1.100502e-02
	C22	1.164853e+00	3.268340e+00	...	6.102084e-02	4.810923e-02
	C23	1.494500e-01	3.718198e-02	...	1.931098e-02	1.726341e-02
	C25_33	6.781371e-02	8.306685e-02	...	5.076917e-02	9.536941e-02
	C25	1.607206e-01	7.853814e-02	...	1.352994e-01	2.618015e-01
	C26	1.109366e+00	1.857317e+00	...	3.705255e-01	5.084333e-01
	C27	6.199107e-01	1.873034e-01	...	2.283190e-01	2.581714e-01
	C28_32	1.383890e-01	3.316899e-02	...	1.361154e-02	1.240128e-02
	C29	9.992347e-02	7.880665e-02	...	3.114886e-01	2.599044e-01
	C30	1.020168e-02	2.739556e-03	...	1.379039e-02	1.846694e-02
	C31	2.867515e-01	2.433537e-01	...	3.297681e-03	3.378730e-03
	E37-39	5.226058e-02	1.792938e-02	...	6.276172e-03	1.261224e-03
	D35	2.114546e-02	1.670327e-02	...	5.596157e-03	4.304885e-03
	E36	3.525554e-03	6.881862e-04	...	1.888824e-04	6.249638e-05
	F	1.080946e-01	4.664803e-02	...	2.797389e-02	2.257354e-02
	G45	3.096452e-02	3.252047e-02	...	1.057172e-02	9.991994e-03
	G47	1.347686e-01	2.251551e+00	...	5.831639e-02	2.881502e-02
	G46	1.491030e+00	7.289795e-01	...	7.576073e-02	5.283047e-02
	I	4.396538e-02	4.364991e-02	...	1.076042e-01	2.020811e-01
	H49	3.220209e+00	3.888756e+00	...	4.042476e-01	3.443864e-01
	H50	8.187024e-02	2.077863e-02	...	4.020415e-04	4.481975e-04
	H51	2.752594e-02	1.665949e-02	...	8.537162e-01	7.875402e-01
	H52	1.168929e+00	7.068910e-01	...	3.405117e-01	3.106265e-01
	H53	1.238132e-02	7.958303e-02	...	1.723297e-02	2.066341e-02
	K64	2.089569e-02	2.754402e-02	...	3.306659e-05	8.569703e-04
	K65	9.991279e-02	4.029766e-02	...	1.058643e-05	1.144097e-06
	K66	9.442530e-04	8.776720e-04	...	1.964916e-05	1.875024e-05
	L68	2.513731e-02	3.512900e-02	...	1.710572e-02	8.268448e-03
	M_N	4.510906e-01	3.799381e+00	...	4.266555e-01	1.143211e-01
	J62_63	8.665006e-02	2.658445e+00	...	4.850420e-02	1.005400e-01
	O84	1.447154e-01	2.251213e-01	...	4.474226e-03	3.386647e-03
	P85	6.357387e-03	4.230516e-01	...	1.210329e-02	1.399761e-02
	R_S	1.600469e-02	2.000582e-01	...	6.084639e-03	6.438015e-03
	T	0.000000e+00	0.000000e+00	...	1.175482e-02	1.166966e-02
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
DE	A01	4.709560e-02	5.236794e-02	...	2.902253e+00	4.036963e+00
	A02	6.550252e+00	1.088993e-02	...	1.684800e-03	8.626553e-04
	A03	0.000000e+00	0.000000e+00	...	1.611349e-10	0.000000e+00
	B_nongas	3.016592e+00	7.331700e-02	...	1.274981e-01	1.279449e-01
	B_gas	1.206372e-02	1.327112e-01	...	4.208954e-03	4.733862e-03
	C10-12	6.824907e+00	3.404565e-01	...	2.045832e+00	2.295260e+00
	C13-15	7.395358e+00	5.810823e-01	...	3.974343e-01	4.440532e-01
	C16	9.112692e-01	6.465975e-01	...	7.685516e-02	3.583835e-02
	C17	3.014610e+02	6.702508e+01	...	2.979503e+00	3.667850e-01
	C18	2.849378e+00	3.102837e+02	...	2.146032e+00	9.538588e-01

	C19	6.856356e-01	1.197983e+01	...	4.440992e-01	4.971089e-01
	C24	6.758002e+00	9.548731e-01	...	8.611959e-01	8.251552e-01
	C20-21	1.766128e+00	2.980539e+00	...	8.552018e-01	1.126334e+00
	C22	1.623680e+01	4.166246e+01	...	8.417403e-01	6.666436e-01
	C23	2.278217e-01	2.130033e-01	...	9.749641e-02	8.076421e-02
	C25_33	4.961163e-01	8.119648e-01	...	6.152180e-01	1.321679e+00
	C25	2.155219e+00	1.081344e+00	...	3.212240e+00	6.533197e+00
	C26	3.929432e+00	6.538536e+00	...	2.846235e-01	4.117162e-01
	C27	4.636007e+00	2.422841e+00	...	2.149425e+00	2.402931e+00
	C28_32	2.123298e+00	2.881212e-01	...	2.943719e-01	2.684241e-01
	C29	5.165397e-01	6.876975e-01	...	2.292081e+00	2.382884e+00
	C30	1.158042e-01	7.375408e-02	...	1.250944e+00	1.698253e+00
	C31	2.216786e+00	1.611206e+00	...	9.697980e-03	2.000387e-02
	E37-39	4.325132e-01	1.968423e-01	...	5.742761e-02	1.970448e-02
	D35	3.292527e-01	7.101858e-01	...	2.258839e-01	1.035618e-01
	E36	6.495379e-02	3.359256e-02	...	1.701608e-02	1.138710e-02
	F	7.797977e-01	5.506606e-01	...	1.209506e+00	1.099724e+00
	G45	2.612079e-02	7.447769e-02	...	1.252006e+00	1.265491e+00
	G47	1.358923e-01	1.591814e-01	...	3.107083e-01	5.490655e-01
	G46	2.023543e+00	1.145934e+00	...	6.761947e-01	1.019600e+00
	I	1.002221e+00	8.621488e-01	...	3.174783e-01	5.946188e-01
	H49	2.062280e+01	2.230296e+01	...	6.452960e-01	5.752471e-01
	H50	4.496727e+00	1.908404e+00	...	3.697314e-01	3.778928e-01
	H51	1.346992e+00	7.954149e-01	...	1.762566e+01	1.634395e+01
	H52	9.141525e+00	5.347744e+00	...	3.819259e-01	3.252124e-01
	H53	2.970171e-01	2.058091e+00	...	8.528586e-01	9.808349e-01
	K64	1.282981e+00	1.685999e+00	...	1.538152e-03	2.560505e-02
	K65	9.452575e-01	3.837508e-01	...	9.950447e-04	2.023401e-02
	K66	1.829414e-02	1.779577e-02	...	0.000000e+00	1.658072e-02
	L68	5.083479e-02	2.777730e-01	...	3.349332e-01	2.459105e-03
	M_N	1.172819e+01	3.689307e+01	...	9.043780e+00	3.392415e+00
	J62_63	8.387387e-01	3.022049e+01	...	2.141262e-01	6.092390e+00
	O84	2.445568e-03	5.088554e-03	...	6.487740e-04	2.637232e-02
	P85	9.046759e-03	9.237324e-03	...	5.519211e-05	2.160604e-02
	R_S	1.372627e-01	3.104763e+00	...	5.476704e-02	8.334339e-02
	T	0.000000e+00	0.000000e+00	...	2.037453e+00	2.022693e+00
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
DK	A01	2.178980e-02	3.323572e-03	...	4.233648e-01	4.222055e-01
	A02	1.895357e-01	1.099149e-04	...	7.454691e-03	7.361203e-03
	A03	1.700423e-06	1.945695e-06	...	1.044201e-06	2.170051e-06
	B_nongas	7.784317e-03	1.906005e-05	...	3.459096e-03	3.291470e-03
	B_gas	4.888771e-06	1.195401e-05	...	2.686339e-05	4.159683e-05
	C10-12	2.613006e-01	1.377582e-02	...	7.909342e-01	9.606544e-01
	C13-15	9.829664e-02	4.244318e-03	...	2.801798e-02	3.101365e-02
	C16	1.546693e-02	2.969154e-03	...	2.575271e-03	3.031098e-03
	C17	1.025833e+00	2.305782e-01	...	7.662170e-02	9.242185e-03
	C18	1.247692e-02	1.177566e+00	...	6.562077e-02	1.030385e-01
	C19	5.734514e-04	1.019908e-02	...	1.366579e-01	1.463914e-01

	C24	2.749762e-02	1.396591e-02	...	3.981539e-02	4.516546e-02
	C20-21	1.393760e-02	2.716489e-02	...	5.233469e-02	3.577032e-02
	C22	1.597226e-01	4.831945e-01	...	3.052248e-02	2.537328e-02
	C23	5.782832e-03	3.072870e-03	...	1.312086e-02	9.360523e-03
	C25_33	1.598591e-02	2.102589e-02	...	6.591456e-02	1.300048e-01
	C25	3.464575e-02	4.587102e-03	...	1.668350e-01	3.468820e-01
	C26	2.297376e-04	2.282058e-04	...	4.003292e-03	7.649384e-03
	C27	6.721282e-02	1.162887e-02	...	5.485464e-02	6.241145e-02
	C28_32	4.069562e-02	7.270126e-03	...	1.615034e-02	2.001676e-02
	C29	3.491155e-04	2.014576e-04	...	9.781684e-03	8.911385e-03
	C30	1.461579e-03	6.486404e-04	...	1.371511e-02	1.875455e-02
	C31	3.621088e-02	2.369663e-02	...	6.698775e-03	3.392054e-03
	E37-39	2.787227e-03	2.025585e-03	...	5.334837e-04	7.792367e-02
	D35	2.174860e-05	3.173633e-05	...	3.993222e-08	9.386400e-04
	E36	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	F	7.288191e-02	1.964894e-02	...	1.495899e-01	1.430038e-01
	G45	1.458399e-03	1.583807e-03	...	2.643112e-01	2.813159e-01
	G47	1.684726e-03	3.338264e-03	...	5.646577e-02	6.372539e-02
	G46	1.322108e-01	6.411674e-02	...	2.033967e-01	1.696177e-01
	I	2.813958e-02	2.855049e-02	...	6.997999e-02	1.137618e-01
	H49	5.656582e-01	6.309757e-01	...	2.788614e-01	2.532091e-01
	H50	2.098041e-01	5.438493e-02	...	1.125405e-01	1.217648e-01
	H51	1.582972e-02	9.227173e-03	...	2.686297e-01	2.488238e-01
	H52	1.426129e-01	6.912790e-02	...	1.002080e-01	8.542438e-02
	H53	3.448891e-03	1.472586e-02	...	3.038431e-01	4.067623e-01
	K64	2.551433e-02	3.552379e-02	...	9.449723e-03	2.833131e-02
	K65	2.020790e-02	8.296062e-03	...	8.644616e-05	8.094588e-03
	K66	4.393607e-04	5.588410e-04	...	0.000000e+00	1.532022e-02
	L68	4.593863e-04	2.245214e-03	...	1.453582e-01	3.618202e-02
	M_N	3.740465e-01	9.984618e-01	...	1.811703e+00	2.507009e-01
	J62_63	1.750094e-02	2.689941e-02	...	3.449389e-04	1.095721e+00
	O84	8.248152e-05	3.310094e-04	...	3.509380e-02	3.778387e-02
	P85	7.457936e-05	6.852411e-05	...	2.052324e-05	7.947135e-06
	R_S	1.856833e-03	4.414713e-02	...	3.988278e-02	6.207468e-02
	T	0.000000e+00	0.000000e+00	...	5.667408e-02	5.626350e-02
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
EE	A01	4.807520e-04	2.135475e-04	...	1.048598e-01	1.063079e-01
	A02	1.731312e-02	2.631370e-04	...	4.442424e-05	4.183358e-05
	A03	6.657174e-05	6.198606e-05	...	1.325235e-05	1.605488e-05
	B_nongas	3.863358e-03	9.356675e-04	...	3.141222e-05	3.941044e-05
	B_gas	3.221045e-04	3.286888e-04	...	4.207319e-04	5.210783e-04
	C10-12	2.140694e-03	1.433818e-03	...	6.165741e-03	6.886244e-03
	C13-15	3.324825e-02	1.152922e-03	...	2.975694e-03	3.208709e-03
	C16	1.143292e-02	9.463261e-03	...	3.466699e-03	1.579299e-03
	C17	3.925052e-01	8.597510e-02	...	1.492518e-01	1.690308e-02
	C18	7.636130e-03	5.157799e-02	...	1.345792e-01	5.398761e-02
	C19	3.225516e-04	6.730847e-05	...	1.277115e-01	1.397541e-01
	C24	7.794863e-04	2.179679e-04	...	1.875601e-03	1.924899e-03

	C20-21	6.589998e-04	1.619569e-04	...	3.333759e-03	3.464529e-03
	C22	8.092804e-03	9.511878e-03	...	4.119550e-03	1.942130e-03
	C23	2.153714e-03	1.876083e-03	...	2.588145e-04	2.327878e-04
	C25_33	5.039180e-04	6.616747e-04	...	1.628980e-03	3.531241e-03
	C25	8.993963e-04	3.799300e-04	...	2.934946e-03	6.047506e-03
	C26	3.788296e-04	6.338475e-04	...	1.557461e-03	2.196960e-03
	C27	1.695220e-03	4.728015e-04	...	3.138567e-02	3.657160e-02
	C28_32	1.138528e-03	2.227236e-04	...	4.823086e-04	4.639975e-04
	C29	5.731784e-05	7.864450e-05	...	8.521685e-04	7.982839e-04
	C30	6.583138e-06	8.010200e-06	...	4.474538e-03	6.018957e-03
	C31	2.585757e-03	1.804830e-03	...	1.657339e-04	1.432149e-04
	E37-39	3.734139e-03	8.933201e-04	...	3.687542e-04	1.242964e-04
	D35	7.495309e-04	1.227009e-03	...	9.542566e-05	3.525322e-04
	E36	4.979138e-05	8.807477e-05	...	1.745583e-06	3.124558e-06
	F	3.746189e-03	3.265928e-03	...	2.972738e-03	3.617588e-03
	G45	1.274289e-03	1.675444e-03	...	6.667252e-04	7.672634e-04
	G47	5.166132e-03	1.134483e-02	...	8.481765e-04	7.576537e-04
	G46	2.524097e-02	3.264919e-02	...	9.359064e-03	1.377928e-02
	I	2.119770e-03	2.481634e-03	...	1.130575e-03	2.123016e-03
	H49	2.094457e-01	2.298638e-01	...	1.408438e-03	1.251174e-03
	H50	3.181361e-01	8.192894e-02	...	4.846777e-04	4.433736e-04
	H51	4.668063e-03	2.701825e-03	...	1.015400e-02	9.365024e-03
	H52	1.467140e-01	7.205072e-02	...	6.730105e-04	5.678214e-04
	H53	6.481118e-04	3.022108e-03	...	3.808507e-02	4.037961e-02
	K64	5.570279e-04	8.141347e-04	...	8.538970e-06	3.507158e-04
	K65	4.717520e-05	3.407305e-05	...	1.011759e-07	1.145188e-04
	K66	3.358160e-04	7.986289e-04	...	1.194898e-05	2.085700e-05
	L68	7.954475e-04	2.299232e-03	...	7.847347e-04	1.952492e-05
	M_N	5.831558e-02	1.531016e-01	...	6.267716e-03	1.419469e-02
	J62_63	1.120445e-03	1.949853e-03	...	5.400879e-04	2.117314e-02
	O84	4.397352e-04	5.599862e-04	...	2.863241e-04	5.705281e-04
	P85	6.297205e-05	1.349771e-04	...	1.048758e-04	2.141424e-04
	R_S	2.899919e-04	2.567748e-03	...	1.636547e-04	2.745126e-04
	T	0.000000e+00	0.000000e+00	...	3.737386e-04	3.710310e-04
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
ES	A01	2.498873e-03	1.469471e-03	...	7.908382e+00	7.145305e+00
	A02	1.045431e-02	4.228497e-05	...	4.442202e-02	4.436047e-02
	A03	2.997495e-03	1.670346e-04	...	4.898009e-03	5.716562e-03
	B_nongas	9.719105e-02	6.703536e-04	...	4.708968e-01	9.424884e-01
	B_gas	3.158853e-06	2.973309e-06	...	1.627049e-05	1.636901e-05
	C10-12	3.211067e-01	1.700264e-02	...	9.783425e-01	1.129661e+00
	C13-15	5.410094e-01	1.024235e-01	...	5.160356e-01	5.237958e-01
	C16	7.288226e-02	2.379791e-02	...	3.834107e-02	1.541486e-02
	C17	5.623200e+00	1.256274e+00	...	1.594817e+00	2.097331e-01
	C18	1.688709e-01	9.725653e-01	...	8.808730e-01	3.501063e-01
	C19	3.948580e-03	2.130533e-02	...	7.777205e-01	8.225734e-01
	C24	3.110954e-01	1.985215e-02	...	1.394721e+00	1.377701e+00
	C20-21	1.423354e-01	4.747033e-02	...	4.008266e-01	3.957177e-01

	C22	2.715300e-01	7.725495e-01	...	1.592348e-01	1.298335e-01
	C23	8.480650e-03	1.540564e-02	...	2.995698e-01	2.612313e-01
	C25_33	3.859099e-02	3.528909e-02	...	4.899293e-01	9.013529e-01
	C25	5.870797e-02	1.262379e-02	...	7.772608e-01	1.436074e+00
	C26	6.873808e-03	1.180664e-02	...	2.075522e-02	2.871636e-02
	C27	1.159168e-01	2.505671e-02	...	7.316233e-01	7.625907e-01
	C28_32	1.874249e-02	7.206001e-03	...	2.626957e-02	3.732090e-02
	C29	7.727406e-03	1.458275e-02	...	4.096753e-01	3.650811e-01
	C30	6.535361e-03	1.478028e-03	...	3.456653e-01	4.617953e-01
	C31	3.274884e-02	1.935891e-02	...	3.121731e-02	4.689310e-02
	E37-39	5.310107e-03	6.564046e-04	...	1.872998e-03	6.786494e-04
	D35	9.032937e-03	1.111088e-02	...	2.731839e-02	2.186829e-02
	E36	5.512563e-04	8.447010e-04	...	1.698093e-03	3.568523e-04
	F	1.646834e-02	1.382972e-02	...	4.096815e-02	4.102836e-02
	G45	2.014690e-03	1.287652e-03	...	4.651590e-02	4.693698e-02
	G47	2.325521e-02	1.147124e-02	...	8.657151e-02	9.701896e-02
	G46	4.873405e-02	3.038257e-02	...	1.523861e-01	1.672213e-01
	I	1.994505e-01	1.866765e-01	...	4.111918e-01	7.737126e-01
	H49	1.221174e+00	1.357005e+00	...	8.817798e-01	7.938307e-01
	H50	8.669943e-02	2.251246e-02	...	1.059742e-02	1.055817e-02
	H51	8.271321e-02	4.707272e-02	...	7.315564e-01	6.752438e-01
	H52	4.772987e-01	2.324012e-01	...	4.281656e-01	3.345410e-01
	H53	7.272914e-03	2.811212e-02	...	7.590518e-02	7.996505e-02
	K64	1.701074e-02	2.279511e-02	...	1.065932e-03	1.253739e-04
	K65	1.511175e-02	7.432959e-03	...	2.824921e-03	1.937310e-04
	K66	4.525009e-04	4.809408e-04	...	7.381829e-05	1.922639e-05
	L68	7.889890e-04	4.232381e-03	...	1.706983e-02	1.964565e-04
	M_N	1.011773e-01	3.297416e-01	...	6.268557e-01	1.962234e-01
	J62_63	1.776351e-02	5.544431e-02	...	3.855136e-02	1.376270e-01
	O84	2.604503e-02	2.518891e-02	...	6.834725e-02	9.157436e-02
	P85	2.075055e-03	2.963094e-03	...	2.719498e-03	4.269820e-03
	R_S	3.619068e-03	4.617788e-02	...	1.587274e-02	6.760514e-03
	T	0.000000e+00	0.000000e+00	...	7.074252e-02	7.023002e-02
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
FI	A01	4.197527e-04	5.306918e-04	...	3.614776e-03	3.489001e-03
	A02	2.062869e-03	2.038194e-05	...	3.973049e-05	1.345212e-04
	A03	0.000000e+00	0.000000e+00	...	1.758281e-11	0.000000e+00
	B_nongas	8.596475e-03	1.713703e-03	...	1.270533e-02	1.161532e-02
	B_gas	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	C10-12	7.158696e-03	4.998413e-03	...	6.086086e-02	6.995347e-02
	C13-15	4.369842e-02	7.899933e-03	...	9.913144e-03	1.079802e-02
	C16	4.422807e-02	3.373109e-02	...	1.114602e-01	4.990881e-02
	C17	1.084872e+01	2.406412e+00	...	2.108791e+00	1.088547e+00
	C18	5.693484e-02	1.020180e-01	...	7.732612e-01	3.154357e-01
	C19	4.937141e-04	2.001122e-03	...	6.262508e-03	6.840034e-03
	C24	8.076134e-02	6.830134e-03	...	1.232004e-01	1.208255e-01
	C20-21	2.252331e-02	6.965551e-03	...	3.411511e-02	3.330488e-02
	C22	1.111345e-01	1.896258e-01	...	1.779840e-02	1.112634e-02

	C23	1.209797e-03	1.692081e-03	...	2.398471e-03	2.064851e-03
	C25_33	6.093684e-03	5.402778e-03	...	2.293196e-02	3.980969e-02
	C25	5.171407e-02	2.810004e-02	...	2.022959e-01	3.507765e-01
	C26	1.406805e-03	2.417078e-03	...	4.357705e-03	5.795362e-03
	C27	5.381602e-02	3.708727e-02	...	1.393760e-01	2.131050e-01
	C28_32	2.139936e-02	5.581884e-03	...	6.853484e-03	6.931285e-03
	C29	1.715000e-03	1.522794e-03	...	9.687885e-03	1.470161e-02
	C30	4.725886e-03	9.351158e-03	...	1.390113e-02	1.637994e-02
	C31	3.709314e-03	3.742419e-03	...	1.767323e-03	2.419908e-03
	E37-39	1.201495e-02	1.498643e-03	...	1.738407e-03	2.455913e-04
	D35	2.383541e-03	6.492939e-03	...	5.037767e-03	2.623039e-03
	E36	3.999663e-04	1.214686e-03	...	8.371906e-04	3.957307e-04
	F	1.622112e-02	1.498897e-02	...	5.888739e-02	5.219449e-02
	G45	7.619104e-04	2.155070e-03	...	7.665490e-02	7.637382e-02
	G47	3.715599e-03	4.146828e-03	...	2.471776e-02	2.308002e-02
	G46	3.145642e-02	4.603680e-02	...	5.606913e-02	3.546059e-02
	I	1.073862e-02	1.029738e-02	...	1.178082e-02	2.169566e-02
	H49	4.864167e-01	5.434857e-01	...	6.975329e-02	5.968682e-02
	H50	1.541372e-01	4.502635e-02	...	2.955922e-03	3.335845e-03
	H51	6.189007e-03	3.784334e-03	...	5.165925e-02	4.764495e-02
	H52	1.550867e-01	7.776085e-02	...	3.476337e-02	2.624551e-02
	H53	3.767599e-03	2.330089e-02	...	4.631308e-02	4.799118e-02
	K64	1.515997e-02	1.991639e-02	...	1.515107e-05	8.347568e-04
	K65	6.038587e-03	2.499006e-03	...	5.142315e-05	1.026720e-03
	K66	8.447143e-05	7.942034e-05	...	0.000000e+00	2.558884e-05
	L68	2.121767e-04	1.061397e-03	...	1.671141e-02	5.309779e-05
	M_N	1.209957e-01	3.787761e-01	...	2.222261e-01	9.359826e-02
	J62_63	8.853872e-03	4.008951e-02	...	2.367483e-01	2.283947e-01
	O84	2.119338e-03	5.682441e-03	...	3.200688e-03	1.518427e-03
	P85	8.322743e-05	1.889006e-04	...	9.421199e-05	5.468872e-04
	R_S	1.618039e-03	5.037582e-03	...	9.019156e-03	9.084195e-03
	T	0.000000e+00	0.000000e+00	...	2.682888e-02	2.663452e-02
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
FR	A01	1.381774e-01	6.597504e-03	...	3.669285e+00	4.427705e+00
	A02	1.186224e-01	0.000000e+00	...	6.716186e-06	4.350779e-07
	A03	0.000000e+00	0.000000e+00	...	2.753516e-08	0.000000e+00
	B_nongas	1.840168e-01	0.000000e+00	...	1.426060e-01	2.382042e-01
	B_gas	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	C10-12	7.135609e-01	3.194494e-02	...	2.816640e+00	3.084318e+00
	C13-15	4.702977e-01	1.672604e-02	...	4.272828e-01	4.830144e-01
	C16	1.711929e-02	1.650239e-02	...	8.724854e-03	3.943851e-03
	C17	2.812151e+01	6.169605e+00	...	1.188363e+00	1.559459e-01
	C18	3.050286e-02	4.033556e+00	...	1.816564e+00	7.388320e-01
	C19	1.847983e-02	2.326191e-01	...	7.464375e-01	7.883221e-01
	C24	7.003442e-01	7.612871e-02	...	2.803441e-01	2.721407e-01
	C20-21	4.125634e-01	1.539898e-01	...	2.949949e-01	3.108498e-01
	C22	1.022117e+00	3.157161e+00	...	2.849256e-01	2.195174e-01
	C23	4.481398e-03	0.000000e+00	...	2.030720e-02	1.695528e-02

	C25_33	2.810956e-03	1.245591e-02	...	2.102226e-01	4.829927e-01
	C25	7.978670e-02	4.526284e-03	...	8.429515e-01	1.763261e+00
	C26	2.710986e-02	4.544462e-02	...	1.225955e-01	1.681341e-01
	C27	2.288904e-01	3.046647e-02	...	1.152044e+00	1.270288e+00
	C28_32	3.216654e-01	3.325896e-02	...	1.285280e-01	9.796509e-02
	C29	0.000000e+00	0.000000e+00	...	3.718956e-01	2.922890e-01
	C30	0.000000e+00	0.000000e+00	...	1.779330e+00	2.392851e+00
	C31	3.165121e-01	2.239714e-01	...	3.189045e-04	3.187318e-04
	E37-39	1.295242e-02	3.487151e-04	...	1.288740e-02	4.724028e-04
	D35	0.000000e+00	0.000000e+00	...	1.984775e-04	1.028176e-04
	E36	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	F	9.427123e-03	7.896268e-03	...	5.674125e-01	5.010937e-01
	G45	4.917199e-04	2.892991e-04	...	1.498311e+00	1.511244e+00
	G47	7.476023e-04	1.481880e-03	...	4.505980e-01	4.299329e-01
	G46	1.185863e-01	3.282582e-02	...	7.471209e-01	6.670045e-01
	I	1.455415e-01	1.344906e-01	...	1.693730e+00	3.201365e+00
	H49	4.138707e+00	4.571659e+00	...	2.820156e+00	2.466321e+00
	H50	3.022846e-01	7.861242e-02	...	3.194261e-01	3.211082e-01
	H51	1.366201e-01	7.946931e-02	...	5.318556e+00	4.904731e+00
	H52	1.613016e+00	7.800563e-01	...	6.855245e-01	5.345730e-01
	H53	1.586210e-02	1.123268e-01	...	2.857222e+00	3.002878e+00
	K64	1.873850e-01	2.460374e-01	...	0.000000e+00	0.000000e+00
	K65	8.939180e-02	3.605423e-02	...	5.266254e-04	1.748236e-05
	K66	1.344851e-03	1.251236e-03	...	0.000000e+00	0.000000e+00
	L68	2.326721e-03	1.274268e-02	...	5.880014e-01	5.024828e-04
	M_N	7.450759e-01	2.231723e+00	...	1.127936e+01	3.076649e+00
	J62_63	2.228531e-02	3.475691e-02	...	0.000000e+00	9.086895e+00
	O84	2.179435e-02	1.945117e-01	...	2.047125e-01	4.880977e-02
	P85	4.776953e-03	2.592023e-02	...	3.872874e-02	2.749359e-02
	R_S	8.519544e-03	1.721510e-01	...	4.823964e-02	4.404125e-02
	T	0.000000e+00	0.000000e+00	...	2.958345e+00	2.936913e+00
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
GR	A01	7.068691e-03	3.391169e-04	...	6.254865e-01	6.271356e-01
	A02	8.386096e-03	0.000000e+00	...	9.418543e-06	6.101380e-07
	A03	0.000000e+00	0.000000e+00	...	1.227869e-08	0.000000e+00
	B_nongas	2.461928e-02	9.794995e-04	...	8.982208e-01	8.803345e-01
	B_gas	1.133088e-05	0.000000e+00	...	5.397961e-05	5.274953e-05
	C10-12	1.336292e-01	8.480973e-03	...	2.444061e-01	2.792692e-01
	C13-15	9.938475e-02	1.064877e-02	...	6.120848e-02	6.665614e-02
	C16	9.916158e-04	7.244050e-04	...	3.124978e-03	1.443034e-03
	C17	4.068920e-01	9.328984e-02	...	1.859188e-01	2.310820e-02
	C18	4.828180e-03	3.617109e-01	...	4.018244e-01	1.632183e-01
	C19	1.716936e-03	2.548919e-02	...	7.125291e+00	7.795607e+00
	C24	6.126599e-02	1.562976e-02	...	1.392187e-01	1.485645e-01
	C20-21	2.012047e-02	9.751596e-03	...	3.884426e-02	4.115879e-02
	C22	7.449508e-02	2.230538e-01	...	6.318596e-02	5.009668e-02
	C23	2.135398e-03	1.636482e-03	...	3.390591e-03	3.078775e-03
	C25_33	1.583924e-02	7.732987e-03	...	9.121593e-02	1.798520e-01

	C25	6.149190e-03	1.105815e-03	...	6.048655e-02	1.189002e-01
	C26	1.721468e-05	1.763300e-05	...	7.503226e-04	1.030664e-03
	C27	4.407327e-02	7.426094e-03	...	9.091061e-02	9.630035e-02
	C28_32	6.442774e-03	6.757889e-04	...	1.743952e-03	1.344462e-03
	C29	2.441306e-04	1.853222e-04	...	1.160559e-02	1.297865e-02
	C30	4.491679e-04	3.334565e-04	...	1.809793e-02	2.432915e-02
	C31	6.496995e-03	3.770154e-03	...	4.915282e-03	9.225918e-03
	E37-39	1.298878e-03	1.724908e-05	...	1.648858e-03	1.002151e-03
	D35	1.849561e-03	1.369104e-03	...	1.970015e-04	1.384984e-04
	E36	1.789212e-03	1.470417e-03	...	1.595809e-04	1.213202e-04
	F	6.986057e-03	5.851602e-03	...	2.313188e-02	2.042824e-02
	G45	1.523665e-04	1.781103e-04	...	1.527900e-02	1.503516e-02
	G47	7.299743e-04	8.895353e-04	...	6.493748e-03	4.060880e-03
	G46	1.631465e-02	4.127590e-03	...	1.355071e-02	1.116080e-02
	I	2.199158e-01	2.009733e-01	...	1.641898e-01	3.097087e-01
	H49	9.308896e-01	1.064650e+00	...	1.180486e-01	8.338826e-02
	H50	1.946059e-01	7.875472e-02	...	4.263537e-02	3.790795e-02
	H51	3.668857e-02	2.130538e-02	...	8.997487e-01	8.297019e-01
	H52	4.671323e-01	3.058591e-01	...	2.177793e-01	1.974737e-01
	H53	1.016712e-02	5.082001e-02	...	1.347057e-01	1.413322e-01
	K64	1.228803e-02	2.083325e-02	...	3.347003e-03	9.662702e-04
	K65	3.734919e-03	1.707424e-03	...	1.015867e-04	4.286015e-06
	K66	4.075736e-04	3.792022e-04	...	0.000000e+00	0.000000e+00
	L68	9.802343e-04	5.366573e-03	...	2.510803e-02	2.261866e-05
	M_N	3.716673e-01	1.118039e+00	...	3.564283e-01	1.302969e-01
	J62_63	1.720688e-02	2.696015e-02	...	8.994767e-05	4.752567e-01
	O84	1.331472e-02	2.204341e-01	...	2.177885e-01	8.461078e-02
	P85	2.782618e-03	9.196247e-03	...	3.215628e-03	1.623658e-04
	R_S	1.606712e-03	9.453998e-03	...	7.907568e-03	8.711230e-03
	T	0.000000e+00	0.000000e+00	...	1.264694e-01	1.255531e-01
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
HR	A01	1.643820e-02	3.801285e-02	...	1.489172e+00	1.331552e+00
	A02	6.592407e-02	9.451751e-04	...	6.159662e-03	5.387038e-03
	A03	7.020798e-03	6.479925e-03	...	1.454629e-03	2.340887e-03
	B_nongas	1.052075e+00	1.468619e-02	...	6.181710e-02	2.062882e-01
	B_gas	1.440304e-04	6.624767e-05	...	1.404080e-04	4.620089e-04
	C10-12	1.271671e-01	2.086476e-01	...	5.525945e-02	5.961170e-02
	C13-15	1.978028e-01	7.820958e-02	...	3.627698e-03	3.819665e-03
	C16	3.517141e-02	6.923778e-03	...	1.060415e-02	5.847733e-03
	C17	5.314998e-01	1.548932e+00	...	9.618753e-03	3.346692e-03
	C18	2.578421e-01	4.771618e+00	...	2.299956e-01	5.588013e-01
	C19	7.167832e-02	8.235646e-02	...	3.807411e-04	7.659915e-04
	C24	1.741446e-01	1.157917e+00	...	1.090559e-02	7.937679e-03
	C20-21	1.126201e-02	3.953387e-03	...	9.935433e-04	7.488793e-04
	C22	1.598606e-01	3.797075e+00	...	2.346275e-02	1.191517e-02
	C23	7.356316e-01	3.013568e-02	...	5.929878e-03	6.701276e-03
	C25_33	3.674600e-02	3.007284e-01	...	1.879190e-02	3.465251e-02
	C25	5.314346e-03	8.180458e-03	...	2.318740e-02	4.769533e-02

	C26	2.213131e-04	2.433810e-04	...	7.723592e-05	1.145803e-04
	C27	3.931754e-02	8.330111e-02	...	1.086699e-02	1.395127e-02
	C28_32	4.251298e-03	2.720851e-03	...	3.133201e-04	6.750297e-04
	C29	8.437868e-03	9.219736e-03	...	9.227033e-04	1.399840e-03
	C30	2.431021e-03	1.389479e-03	...	2.159053e-03	2.983577e-03
	C31	3.863244e-02	3.068908e-02	...	1.999506e-03	2.981977e-03
	E37-39	4.435881e-03	2.300712e-03	...	2.440725e-04	1.133823e-04
	D35	4.479065e-01	5.498381e-01	...	1.085197e-01	3.041369e-01
	E36	1.918096e-03	4.789924e-03	...	6.867760e-04	5.996846e-04
	F	4.868973e-02	3.436622e-02	...	7.908224e-02	7.007114e-02
	G45	4.915537e-04	3.672344e-04	...	2.774860e-03	2.801085e-03
	G47	1.470394e-03	2.102975e-03	...	7.183275e-04	6.240019e-04
	G46	1.948158e-02	7.353217e-03	...	3.785816e-02	3.598783e-02
	I	2.829407e-01	2.629671e-01	...	4.385405e-02	7.813782e-02
	H49	1.187693e+00	1.314164e+00	...	6.235092e-03	5.464074e-03
	H50	4.393590e-01	1.151505e-01	...	1.275562e-02	1.282926e-02
	H51	3.674024e-02	2.221445e-02	...	2.590735e-01	2.494534e-01
	H52	2.909916e-01	1.424954e-01	...	2.497058e-03	2.828840e-03
	H53	7.256348e-02	2.638914e-01	...	1.249497e-02	4.241505e-01
	K64	6.723827e-02	8.191429e-02	...	2.381847e-03	4.501118e-03
	K65	3.785141e-02	1.526678e-02	...	6.895111e-07	2.125999e-08
	K66	1.295206e-02	3.994703e-02	...	1.663726e-03	8.500442e-05
	L68	3.087169e-03	1.224425e-02	...	2.217153e-03	2.061765e-06
	M_N	6.110696e-01	9.951608e-01	...	9.915380e-02	1.979322e-01
	J62_63	2.360151e-02	3.673107e-02	...	4.623870e-06	2.157969e-01
	O84	2.468814e-04	8.523638e-04	...	8.577304e-03	7.637217e-03
	P85	2.160477e-02	4.536693e-02	...	7.291756e-04	5.312826e-04
	R_S	1.020702e-02	3.197575e-02	...	1.699959e-01	1.508284e-01
	T	4.203663e-03	1.724761e-03	...	1.198680e-02	1.202921e-02
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
HU	A01	4.232693e-02	1.153108e-02	...	1.934624e+00	1.845162e+00
	A02	3.243965e-01	4.176379e-03	...	3.035493e-04	2.467739e-04
	A03	6.118293e-05	3.097457e-05	...	4.418847e-04	4.400445e-04
	B_nongas	5.276758e-01	4.284956e-03	...	5.489405e-04	2.308244e-04
	B_gas	1.830244e-01	2.768518e-02	...	3.607343e-03	4.121048e-04
	C10-12	4.249090e-01	4.727765e-02	...	2.523605e-01	2.747945e-01
	C13-15	2.868338e-01	6.748036e-02	...	2.327007e-02	2.486855e-02
	C16	6.515671e-02	6.498868e-02	...	1.690509e-03	1.389735e-03
	C17	7.166250e+00	1.678952e+00	...	9.814015e-02	1.108312e-02
	C18	2.440620e-01	1.450366e+01	...	8.080125e-02	8.479738e-02
	C19	7.417083e-02	8.231084e-01	...	1.196887e-01	1.409705e-01
	C24	7.254821e-01	2.651098e-02	...	6.395788e-03	8.288569e-02
	C20-21	4.347508e-02	8.271870e-02	...	4.643410e-02	6.361814e-02
	C22	9.511588e-01	2.883829e+00	...	5.001356e-02	4.275621e-02
	C23	1.111081e-01	3.980824e-02	...	5.435254e-03	7.460236e-03
	C25_33	1.128446e-01	5.261904e-02	...	2.406538e-02	4.731637e-02
	C25	1.038524e-01	6.148918e-02	...	8.577425e-02	1.665964e-01
	C26	2.956960e-01	5.200990e-01	...	9.107769e-02	3.223912e-01

	C27	3.425704e-01	3.542487e-01	...	1.505044e-01	3.241850e-01
	C28_32	8.894364e-02	1.020912e-01	...	1.126761e-02	2.711383e-01
	C29	1.015877e-01	1.205870e-01	...	8.202604e-02	9.651647e-02
	C30	4.537138e-03	4.496215e-03	...	7.592354e-03	8.407787e-03
	C31	1.069145e-01	1.323178e-01	...	3.215069e-03	2.206474e-02
	E37-39	4.385398e-02	2.149658e-02	...	8.469555e-03	1.201918e-03
	D35	2.618461e-02	4.836863e-02	...	1.559048e-02	1.261305e-01
	E36	3.814231e-03	1.166235e-03	...	7.536960e-04	8.623470e-04
	F	1.251720e-01	1.225278e-01	...	2.669054e-02	1.715370e-02
	G45	1.646310e-01	1.903446e-01	...	5.221238e-02	4.685315e-02
	G47	9.544604e-02	1.857913e-01	...	8.846619e-02	3.435054e-02
	G46	3.773988e-01	3.413793e-01	...	4.107857e-01	1.063738e+00
	I	1.890511e-01	1.736245e-01	...	2.999854e-01	5.653519e-01
	H49	1.645190e+01	1.802098e+01	...	2.421284e-01	2.136733e-01
	H50	1.055748e-01	3.796114e-02	...	8.945742e-04	7.263528e-04
	H51	4.435279e-02	2.470572e-02	...	1.289634e+00	1.189206e+00
	H52	4.171414e+00	1.895453e+00	...	4.719471e-02	4.004454e-02
	H53	1.014620e-01	1.949561e-01	...	1.341626e-01	4.361961e-01
	K64	8.497579e-02	1.115833e-01	...	3.442250e-04	1.853005e-03
	K65	6.037725e-03	2.449697e-03	...	5.557995e-05	8.520153e-05
	K66	2.083807e-03	1.943629e-03	...	2.146498e-05	1.229259e-03
	L68	2.126300e-02	4.166547e-02	...	3.456051e-02	1.015698e-01
	M_N	7.263907e-01	2.216228e+00	...	8.478527e-01	4.241912e-01
	J62_63	6.176622e-02	2.903274e-01	...	1.649706e-02	6.195232e+00
	O84	7.965084e-02	3.912302e-02	...	1.919411e-03	6.425318e-03
	P85	3.207148e-03	7.952706e-03	...	9.890050e-04	2.851914e-03
	R_S	9.159163e-03	7.488359e-02	...	6.260625e-03	1.584847e-02
	T	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
IE	A01	4.585417e-04	3.419611e-04	...	8.394322e-02	7.904518e-02
	A02	1.666172e-05	3.278714e-04	...	3.772127e-05	4.014210e-05
	A03	1.119227e-05	1.256377e-06	...	3.579727e-05	3.599470e-05
	B_nongas	5.065482e-05	1.135258e-05	...	2.812867e-03	2.874002e-03
	B_gas	4.546675e-06	1.258563e-06	...	5.649146e-06	5.043369e-06
	C10-12	3.887590e-01	3.257169e-02	...	1.441696e+00	1.763938e+00
	C13-15	2.565783e-02	1.509801e-02	...	3.279296e-02	3.577458e-02
	C16	3.452809e-02	7.601151e-02	...	2.741114e-03	1.983435e-03
	C17	1.537221e+00	3.734457e-01	...	1.885234e-02	4.520447e-03
	C18	2.582085e-01	1.580451e+01	...	6.761758e-01	3.051595e-01
	C19	6.548342e-03	1.796180e-02	...	2.518825e-03	4.557846e-03
	C24	5.117756e-03	4.859001e-04	...	1.455318e-02	1.430084e-02
	C20-21	1.439585e+00	5.884742e-01	...	2.447150e-02	2.662974e-02
	C22	1.193452e+00	3.504127e+00	...	3.207705e-02	2.708360e-02
	C23	4.690504e-03	3.283726e-03	...	1.609574e-02	1.676465e-02
	C25_33	3.175543e-02	9.707997e-02	...	4.088406e-02	8.528979e-02
	C25	2.596482e-02	4.749179e-02	...	1.059624e-01	2.197934e-01
	C26	8.345088e-01	1.386994e+00	...	9.619925e-01	1.315255e+00
	C27	6.542588e-02	2.484620e-02	...	1.697096e-01	1.817150e-01

IT	C28_32	1.388287e-01	5.361036e-02	...	5.210710e-02	8.324153e-02
	C29	2.577531e-03	4.296411e-04	...	1.264469e-02	1.096791e-02
	C30	2.297538e-03	2.946888e-03	...	1.095205e-02	1.475526e-02
	C31	9.635602e-03	1.243933e-02	...	1.877350e-03	3.181893e-03
	E37-39	2.269177e-01	2.239675e-03	...	1.268942e-02	6.411698e-04
	D35	2.634359e-06	7.292158e-07	...	3.273135e-06	2.922145e-06
	E36	7.468639e-06	3.129070e-07	...	8.304365e-07	7.257598e-07
	F	1.351256e-02	1.164625e-02	...	2.977033e-01	2.629079e-01
	G45	2.925099e-03	3.114023e-03	...	4.407750e-01	4.445797e-01
	G47	4.530092e-03	4.944335e-03	...	1.460399e-01	1.391604e-01
	G46	2.078055e-01	6.926597e-02	...	2.544298e-01	2.279049e-01
	I	6.732953e-02	6.260795e-02	...	1.015374e-01	1.898125e-01
	H49	3.939234e-01	4.404388e-01	...	5.665413e-01	4.931298e-01
	H50	6.188789e-02	1.568031e-02	...	1.558725e-02	1.462641e-02
	H51	1.706400e-01	1.056980e-01	...	1.415686e+00	1.292611e+00
	H52	9.590339e-02	4.637898e-02	...	2.436878e-01	1.900281e-01
	H53	2.098160e-02	1.485803e-01	...	2.286982e+00	2.403568e+00
	K64	5.537077e-01	8.077341e-01	...	2.845097e-01	1.432672e-02
	K65	1.092786e-01	9.060999e-02	...	1.125748e-01	5.656922e-03
	K66	3.681511e-03	3.425239e-03	...	0.000000e+00	0.000000e+00
	L68	3.727240e-03	2.041286e-02	...	5.775627e-01	4.935623e-04
	M_N	7.770821e-01	2.339825e+00	...	4.743056e+00	9.729516e-01
	J62_63	4.646240e-01	7.322660e-01	...	3.715361e-02	4.661255e+01
	O84	5.402505e-05	4.757974e-04	...	1.025115e-06	1.315006e-06
	P85	1.025781e-02	2.067686e-02	...	5.185411e-02	1.744048e-01
	R_S	3.275848e-03	7.478082e-02	...	6.687746e-02	9.003825e-02
	T	0.000000e+00	0.000000e+00	...	5.939841e-02	5.896809e-02
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	A01	2.085856e-02	5.515361e-03	...	1.561543e+00	1.525670e+00
	A02	5.121315e-01	0.000000e+00	...	3.248698e-06	2.104523e-07
	A03	0.000000e+00	0.000000e+00	...	1.385448e-09	0.000000e+00
	B_nongas	1.018902e+00	1.014536e-02	...	2.852210e-01	8.545881e-01
	B_gas	3.912993e-03	6.119174e-03	...	1.627487e-02	5.910699e-03
	C10-12	1.242405e+00	5.194156e-02	...	1.117432e+00	1.321349e+00
	C13-15	2.144402e+00	5.050776e-01	...	1.167812e+00	1.314839e+00
	C16	3.131520e-01	1.676776e-01	...	5.799730e-02	2.775763e-02
	C17	4.371856e+01	9.724370e+00	...	2.158784e+00	2.522309e-01
	C18	2.535712e+00	8.655702e+00	...	7.029122e-01	2.537806e-01
	C19	7.388837e-02	1.055182e+00	...	3.366319e+00	3.739668e+00
	C24	2.194017e+00	1.767932e-01	...	7.923983e-01	8.120375e-01
	C20-21	2.792538e-01	1.387945e-01	...	5.418316e-01	6.013458e-01
	C22	2.018511e+00	4.520492e+00	...	4.498826e-01	3.516665e-01
	C23	5.009161e-01	3.379819e-02	...	2.667661e-01	5.122241e-01
	C25_33	3.452298e-01	1.638043e-01	...	7.600768e-01	1.508408e+00
	C25	3.556909e-01	7.920902e-02	...	2.920264e+00	5.933885e+00
	C26	5.538122e-02	7.179324e-02	...	6.547694e-02	1.204027e-01
	C27	4.595972e-01	1.353490e-01	...	1.119047e+00	1.230941e+00
	C28_32	1.861174e-01	5.119512e-02	...	1.214680e-01	1.253291e-01

	C29	4.216483e-02	8.891185e-02	...	3.804064e-01	4.557711e-01
	C30	1.620207e-02	1.566811e-02	...	2.128978e-01	3.072356e-01
	C31	2.916604e-01	2.523121e-01	...	3.186933e-02	3.952412e-02
	E37-39	3.841142e-02	1.178277e-03	...	7.916587e-03	6.446391e-03
	D35	1.742107e-02	2.687312e-03	...	4.044827e-02	4.183288e-02
	E36	3.534434e-03	5.352122e-04	...	8.070697e-03	8.231564e-03
	F	5.088529e-02	7.002370e-02	...	1.719668e-01	6.713324e-02
	G45	3.115280e-02	8.856650e-02	...	3.993342e-01	3.807180e-01
	G47	9.157981e-01	3.262991e-01	...	6.782679e-01	4.439707e-01
	G46	1.178905e+00	3.478670e-01	...	3.584001e-01	3.459891e-01
	I	5.028805e-01	4.671721e-01	...	9.607135e-01	1.813893e+00
	H49	4.209140e+00	4.592426e+00	...	6.276055e-01	5.178965e-01
	H50	1.878948e-01	5.059761e-02	...	1.034501e-01	1.049658e-01
	H51	9.579827e-02	5.549489e-02	...	4.965993e+00	4.579928e+00
	H52	1.018349e+00	6.725641e-01	...	2.730144e-01	1.946278e-01
	H53	6.837136e-02	2.433439e-01	...	1.604751e+00	1.735869e+00
	K64	4.239167e-02	5.595347e-02	...	1.663527e-03	1.086551e-02
	K65	5.042028e-02	2.072638e-02	...	7.466988e-04	3.742752e-03
	K66	3.702725e-03	6.035293e-03	...	9.644484e-03	2.381469e-03
	L68	4.951854e-03	2.527742e-02	...	1.705053e-01	1.023169e-03
	M_N	6.458658e-01	2.865549e+00	...	4.693940e+00	9.080877e-01
	J62_63	1.359075e-01	1.039915e+00	...	1.261758e-01	1.244352e+00
	O84	4.590840e-03	1.164229e-02	...	2.562500e-03	1.235799e-02
	P85	1.413260e-03	9.915921e-04	...	2.245465e-03	6.162873e-03
	R_S	1.093674e-02	1.041357e-01	...	2.185577e-02	2.755049e-02
	T	0.000000e+00	0.000000e+00	...	9.136829e-01	9.070636e-01
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
LT	A01	1.548484e-03	1.097220e-03	...	7.393180e-01	1.621750e+00
	A02	4.992532e-03	3.082946e-03	...	8.108887e-05	6.269282e-05
	A03	1.654058e-03	1.779860e-03	...	5.602456e-05	6.101692e-05
	B_nongas	4.437059e-03	2.127016e-03	...	2.586446e-04	2.501789e-04
	B_gas	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	C10-12	3.358831e-02	4.596834e-03	...	3.991074e-02	4.878879e-02
	C13-15	3.901088e-02	1.730312e-03	...	4.979574e-03	5.458210e-03
	C16	2.103777e-02	1.520261e-02	...	7.063420e-03	3.149777e-03
	C17	2.941167e-01	7.340705e-02	...	1.068521e-02	1.561403e-03
	C18	1.402744e-02	2.585437e-01	...	3.145730e-02	1.279662e-02
	C19	3.412089e-03	6.493680e-03	...	1.595306e-01	1.750463e-01
	C24	1.964146e-04	9.389656e-05	...	2.563085e-04	3.822527e-04
	C20-21	1.145789e-02	1.698987e-03	...	2.493673e-04	2.601385e-04
	C22	9.132979e-02	2.820243e-01	...	2.584912e-03	2.168170e-03
	C23	1.492724e-03	2.061835e-03	...	2.027445e-04	1.916977e-04
	C25_33	9.434354e-03	2.027408e-02	...	2.591688e-03	5.246148e-03
	C25	2.318182e-03	1.031183e-03	...	3.310884e-03	6.100042e-03
	C26	1.486609e-05	1.846980e-05	...	5.846740e-04	8.083639e-04
	C27	5.058764e-03	7.561384e-04	...	4.162008e-03	4.676893e-03
	C28_32	1.125256e-03	1.321099e-04	...	1.032371e-03	8.734414e-04
	C29	1.853152e-04	2.237149e-04	...	9.348881e-04	8.626431e-04

	C30	5.459446e-04	3.286294e-04	...	3.228960e-03	4.325750e-03
	C31	1.668182e-02	1.220006e-02	...	9.483390e-04	1.054378e-03
	E37-39	2.447025e-03	1.526841e-03	...	6.089082e-04	4.681774e-05
	D35	4.801595e-05	1.173297e-03	...	1.757896e-04	1.655138e-04
	E36	1.931099e-04	5.873564e-04	...	1.291906e-04	3.169739e-05
	F	9.836861e-04	1.374710e-03	...	1.711419e-03	1.580079e-03
	G45	2.143567e-03	7.071212e-03	...	4.846327e-03	4.069912e-03
	G47	7.985628e-02	8.313274e-02	...	4.576524e-03	5.395178e-03
	G46	1.086502e-01	2.368796e-01	...	7.568883e-02	1.435266e-01
	I	4.165403e-03	4.346996e-03	...	5.969677e-03	1.111541e-02
	H49	9.926410e-01	1.086616e+00	...	1.171312e-02	1.019229e-02
	H50	1.186406e-02	3.719055e-03	...	2.166727e-04	1.823404e-04
	H51	5.932421e-03	3.405605e-03	...	4.912106e-02	4.529902e-02
	H52	4.373212e-01	2.193282e-01	...	1.167825e-02	8.771261e-03
	H53	3.575855e-03	1.490053e-02	...	4.990467e-03	5.136425e-03
	K64	7.118043e-03	9.354904e-03	...	0.000000e+00	1.386514e-04
	K65	9.717865e-04	3.990879e-04	...	3.800732e-07	2.379079e-05
	K66	5.666964e-05	5.385275e-05	...	0.000000e+00	6.903541e-06
	L68	4.606078e-03	1.537801e-02	...	3.013533e-03	4.513001e-04
	M_N	5.207067e-02	1.824198e-01	...	3.983553e-02	6.125412e-02
	J62_63	1.357242e-03	9.522058e-03	...	2.561518e-03	6.319579e-03
	O84	3.469177e-04	5.406544e-04	...	1.674540e-06	5.840260e-05
	P85	8.232588e-05	3.204919e-03	...	4.225021e-04	3.445661e-04
	R_S	1.066933e-03	3.627869e-03	...	4.906826e-04	2.305285e-04
	T	0.000000e+00	0.000000e+00	...	1.244381e-03	1.235366e-03
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
LU	A01	1.212968e-04	2.092074e-05	...	3.578788e-02	3.604626e-02
	A02	0.000000e+00	0.000000e+00	...	7.524248e-07	4.874247e-08
	A03	0.000000e+00	0.000000e+00	...	1.427918e-11	0.000000e+00
	B_nongas	6.493479e-02	6.749347e-05	...	2.415324e-02	2.059048e-02
	B_gas	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	C10-12	4.837359e-03	3.592625e-03	...	7.349975e-02	8.270453e-02
	C13-15	4.889310e-02	1.528959e-03	...	2.722201e-02	2.983777e-02
	C16	1.651102e-03	1.592262e-03	...	1.259356e-03	6.228955e-04
	C17	2.565082e-01	1.258105e+00	...	1.796782e-01	5.444169e-02
	C18	1.717281e-02	6.558558e-01	...	7.715147e-02	4.157455e-02
	C19	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	C24	8.341709e-02	9.791997e-03	...	1.763487e-01	1.697943e-01
	C20-21	8.385449e-05	4.219263e-05	...	5.947077e-02	6.347696e-02
	C22	1.326925e-01	4.056247e-01	...	3.142042e-02	2.425952e-02
	C23	2.070184e-03	1.486519e-02	...	3.718070e-03	2.459073e-03
	C25_33	3.354378e-01	7.371186e-02	...	1.139965e-01	5.885123e-02
	C25	3.251485e-03	5.730355e-03	...	5.355920e-02	1.104980e-01
	C26	5.219409e-05	1.337888e-04	...	1.718442e-03	2.390565e-03
	C27	1.850965e-04	3.673681e-04	...	2.297603e-02	2.471119e-02
	C28_32	8.313244e-03	1.029697e-03	...	1.207200e-02	9.225059e-03
	C29	1.292914e-02	5.763999e-04	...	2.686715e-02	2.485273e-02
	C30	1.372602e-05	6.082275e-05	...	8.216669e-03	1.174429e-02

	C31	4.549583e-06	4.140964e-06	...	2.488876e-05	2.319787e-05
	E37-39	8.744357e-03	7.901164e-04	...	1.107480e-03	7.708384e-05
	D35	6.726980e-02	6.940162e-03	...	5.162638e-03	4.608801e-03
	E36	4.185161e-05	5.660777e-05	...	1.591982e-05	1.830089e-06
	F	1.136356e-02	9.695140e-03	...	5.756735e-02	5.057140e-02
	G45	6.123914e-04	6.994322e-04	...	1.029158e-01	1.034896e-01
	G47	1.763004e-02	2.798167e-02	...	6.482690e-02	3.559709e-02
	G46	1.194045e-01	5.885479e-02	...	1.358861e-01	1.122721e-01
	I	1.011520e-02	9.691967e-03	...	1.639333e-02	2.966619e-02
	H49	2.492159e-01	2.537389e-01	...	3.320718e-02	2.475258e-02
	H50	4.357338e-03	1.783785e-03	...	2.490172e-03	2.507422e-03
	H51	9.264052e-02	5.577644e-02	...	5.886043e-02	5.400004e-02
	H52	1.060531e-01	5.398671e-02	...	9.943297e-03	4.357808e-03
	H53	4.506270e-03	4.717611e-02	...	5.027309e-02	4.636305e-02
	K64	1.157120e+00	1.519323e+00	...	1.117808e-04	9.552342e-08
	K65	2.337339e-01	9.427984e-02	...	5.411259e-05	5.043688e-07
	K66	4.347199e-03	4.044588e-03	...	0.000000e+00	0.000000e+00
	L68	2.123926e-03	4.740250e-03	...	1.466755e-02	1.121965e-03
	M_N	6.919817e-02	2.042352e-01	...	2.403825e-01	4.753447e-02
	J62_63	3.413264e-02	5.290616e-02	...	2.021339e-03	1.654783e-01
	O84	2.113822e-04	1.311794e-03	...	4.517191e-04	2.342430e-04
	P85	8.163921e-04	7.963186e-04	...	1.037800e-04	1.173848e-04
	R_S	1.014620e-02	2.413072e-01	...	9.745184e-03	1.125288e-02
	T	0.000000e+00	0.000000e+00	...	8.729019e-02	8.665781e-02
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
LV	A01	7.140740e-04	1.533383e-04	...	5.289279e-01	1.010581e+00
	A02	6.507605e-03	3.097803e-04	...	3.065620e-04	1.719191e-04
	A03	5.430645e-05	4.036308e-06	...	6.341949e-05	7.197004e-05
	B_nongas	7.323502e-02	7.657062e-07	...	7.542739e-05	7.936006e-05
	B_gas	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	C10-12	2.323434e-02	1.470788e-03	...	2.072437e-02	2.423037e-02
	C13-15	1.560473e-02	7.393416e-04	...	3.477304e-03	3.768579e-03
	C16	1.046349e-02	8.863880e-03	...	1.475386e-02	6.957346e-03
	C17	1.505365e-02	3.305550e-03	...	4.809551e-03	5.210016e-04
	C18	1.870036e-03	2.291956e-01	...	7.654374e-03	3.112074e-03
	C19	1.131943e-06	3.159912e-07	...	5.004730e-03	6.274444e-03
	C24	7.250021e-03	3.696612e-04	...	3.697097e-03	3.709237e-03
	C20-21	1.707174e-04	3.451934e-05	...	3.458315e-04	3.346353e-04
	C22	4.605553e-03	1.420291e-02	...	2.332759e-03	2.368047e-03
	C23	1.476079e-03	4.310541e-05	...	3.416714e-04	3.703689e-04
	C25_33	3.295246e-04	7.055153e-04	...	1.109129e-03	2.390574e-03
	C25	2.790689e-04	2.258868e-04	...	1.416021e-03	2.769362e-03
	C26	9.277498e-03	1.542980e-02	...	1.100341e-03	1.614883e-03
	C27	4.684613e-04	1.149395e-04	...	9.453364e-03	1.195096e-02
	C28_32	4.170911e-05	8.762391e-06	...	3.593706e-04	3.217889e-04
	C29	2.259326e-05	7.328797e-06	...	7.780788e-04	6.209656e-04
	C30	5.045479e-05	6.306437e-05	...	5.449142e-04	7.274034e-04
	C31	4.999229e-03	3.564236e-03	...	3.462744e-05	2.713044e-05

MT	E37-39	2.016190e-03	2.500728e-04	...	1.164604e-03	6.392247e-04
	D35	9.549554e-04	5.516734e-04	...	2.549296e-04	2.240423e-04
	E36	1.629079e-04	4.010402e-06	...	4.624071e-05	3.156920e-06
	F	1.248298e-03	2.516099e-03	...	1.119044e-02	9.774209e-03
	G45	6.228127e-04	4.420465e-04	...	1.045622e-02	1.055657e-02
	G47	3.291915e-03	2.753730e-03	...	7.622318e-03	1.039892e-02
	G46	9.148202e-03	4.823907e-03	...	8.351540e-03	8.813679e-03
	I	2.733605e-03	2.315382e-03	...	3.735104e-02	7.023788e-02
	H49	3.393462e-01	3.622061e-01	...	1.575392e-02	1.382498e-02
	H50	9.599492e-02	2.425219e-02	...	2.568601e-03	2.591097e-03
	H51	9.410591e-03	5.461629e-03	...	1.137568e-01	1.049064e-01
	H52	1.525018e-01	7.464790e-02	...	8.304248e-03	6.532436e-03
	H53	3.567788e-05	7.853572e-05	...	1.117078e-02	1.174691e-02
	K64	4.787331e-05	6.285788e-05	...	0.000000e+00	0.000000e+00
	K65	2.302509e-02	9.286665e-03	...	8.238631e-07	2.734975e-08
	K66	5.357506e-05	4.984567e-05	...	0.000000e+00	0.000000e+00
	L68	1.651634e-04	7.106111e-04	...	6.655374e-03	6.515368e-04
	M_N	4.259818e-02	1.091056e-01	...	4.304838e-02	6.440574e-03
	J62_63	1.835286e-03	2.854240e-03	...	1.630079e-05	2.925767e-02
	O84	7.555694e-08	6.654282e-07	...	2.053639e-08	2.634384e-08
	P85	2.329660e-05	4.747748e-05	...	7.019806e-06	1.272575e-05
	R_S	2.392427e-04	7.977733e-03	...	1.270875e-03	1.116747e-03
	T	0.000000e+00	0.000000e+00	...	4.928334e-03	4.892630e-03
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	A01	2.480734e-05	9.123470e-06	...	2.769717e-02	2.743468e-02
	A02	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	A03	0.000000e+00	0.000000e+00	...	3.076277e-03	3.847914e-03
	B_nongas	1.705850e-05	1.501699e-05	...	3.527687e-05	2.954034e-05
	B_gas	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	C10-12	4.402070e-04	2.287286e-04	...	4.172889e-02	5.145240e-02
	C13-15	2.693355e-03	1.195020e-04	...	6.006722e-04	7.378645e-04
	C16	4.274836e-05	2.840616e-05	...	1.417088e-05	8.925273e-06
	C17	4.181588e-03	9.198371e-04	...	3.125841e-03	5.290940e-04
	C18	5.778363e-05	1.593586e-04	...	2.792089e-02	1.152737e-02
	C19	0.000000e+00	0.000000e+00	...	2.315726e-04	2.908707e-04
	C24	0.000000e+00	0.000000e+00	...	7.722054e-05	7.598752e-05
	C20-21	5.133972e-04	1.170708e-03	...	3.097529e-03	3.027517e-03
	C22	9.010404e-04	2.391943e-03	...	3.591118e-03	2.788382e-03
	C23	2.078183e-04	9.057079e-05	...	3.886593e-04	3.507164e-04
	C25_33	5.755576e-05	3.162080e-05	...	8.939290e-04	1.998640e-03
	C25	1.411870e-05	9.740595e-06	...	4.000445e-03	8.453650e-03
	C26	8.265575e-04	1.385185e-03	...	1.804188e-04	3.020368e-04
	C27	3.631315e-03	1.042394e-03	...	5.029055e-03	5.919284e-03
	C28_32	6.303970e-04	3.439160e-04	...	4.132188e-04	7.172295e-04
	C29	2.136974e-06	1.059980e-05	...	1.516004e-04	1.001978e-04
	C30	1.674264e-05	1.400437e-05	...	2.827850e-04	4.140900e-04
	C31	3.021587e-03	2.163485e-03	...	1.709253e-04	9.906714e-05
	E37-39	1.349327e-02	2.166821e-04	...	2.091870e-03	5.819758e-05

	D35	8.089726e-06	1.082541e-05	...	2.413304e-04	6.049009e-04
	E36	9.477052e-06	1.118620e-05	...	6.123148e-06	8.005364e-05
	F	1.560922e-02	1.220845e-02	...	1.581959e-02	1.350193e-02
	G45	5.392072e-04	4.575648e-04	...	2.135002e-02	2.158970e-02
	G47	1.572734e-03	1.788758e-03	...	9.023111e-03	1.004226e-02
	G46	3.740887e-02	1.270493e-02	...	1.384912e-02	2.051408e-02
	I	1.462604e-02	1.608668e-02	...	1.057850e-02	1.337402e-02
	H49	6.392680e-02	7.081664e-02	...	4.599897e-02	3.986614e-02
	H50	1.236309e-02	3.310433e-03	...	1.620302e-03	1.390524e-03
	H51	9.974224e-03	5.693503e-03	...	1.102042e-01	1.016230e-01
	H52	3.090973e-02	1.792981e-02	...	2.714869e-02	2.224340e-02
	H53	7.450330e-03	5.172177e-02	...	9.117260e-02	9.126556e-02
	K64	8.172173e-01	1.073237e+00	...	3.160736e-04	1.480287e-03
	K65	1.513529e-02	6.188104e-03	...	1.846490e-05	1.199200e-03
	K66	2.704458e-03	5.497386e-03	...	3.295827e-03	1.398352e-03
	L68	5.174662e-03	9.214715e-03	...	1.861565e-02	4.865714e-03
	M_N	1.877690e-01	4.180122e-01	...	2.665466e-01	7.860338e-02
	J62_63	1.448860e-02	2.260924e-02	...	2.715511e-04	2.372629e-01
	O84	1.754422e-03	5.614244e-03	...	2.862516e-03	2.462585e-03
	P85	4.223002e-03	3.943444e-03	...	1.049812e-03	4.369989e-03
	R_S	6.518112e-03	1.293279e-01	...	3.961045e-03	5.945832e-03
	T	0.000000e+00	0.000000e+00	...	2.179478e-02	2.163688e-02
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
NL	A01	5.235628e-03	9.640967e-03	...	2.186181e+00	2.217702e+00
	A02	1.105309e-01	3.327883e-05	...	2.740685e-06	1.286294e-06
	A03	1.407078e-03	6.616971e-05	...	7.270467e-03	8.283868e-03
	B_nongas	4.825058e-03	2.234544e-04	...	8.503532e-03	8.258821e-03
	B_gas	7.694965e-04	9.496478e-04	...	1.085204e-03	9.635655e-04
	C10-12	6.203163e-01	4.612799e-02	...	2.445531e+00	2.859309e+00
	C13-15	2.800168e-01	1.787984e-02	...	7.638334e-02	8.728067e-02
	C16	1.484321e-02	1.799586e-02	...	7.395987e-03	7.238863e-03
	C17	1.184819e+01	2.636041e+00	...	4.275304e-01	8.378287e-02
	C18	4.215328e-01	1.077950e+01	...	2.264542e+00	9.293980e-01
	C19	1.222327e-02	1.087662e-01	...	2.840965e+00	3.113987e+00
	C24	1.478901e-01	4.255984e-02	...	1.426817e-01	1.590161e-01
	C20-21	5.881101e-02	1.095252e-01	...	5.352573e-01	5.676225e-01
	C22	6.967480e-01	2.110347e+00	...	1.318060e-01	1.096200e-01
	C23	4.999595e-03	8.270927e-03	...	1.960814e-02	1.747522e-02
	C25_33	3.610182e-02	5.525618e-02	...	1.595561e-01	3.625247e-01
	C25	1.036836e-01	4.864512e-02	...	4.640131e-01	9.323150e-01
	C26	3.829878e-02	6.522941e-02	...	4.849862e-02	6.644305e-02
	C27	1.058011e-01	7.544773e-02	...	2.640679e-01	2.619659e-01
	C28_32	1.054828e-01	4.991596e-02	...	8.468992e-02	8.517351e-02
	C29	7.976634e-03	1.308857e-02	...	1.409057e-01	1.421481e-01
	C30	2.062733e-02	2.013235e-02	...	3.042996e-01	4.445473e-01
	C31	9.051919e-02	1.019969e-01	...	4.536639e-01	4.692677e-01
	E37-39	2.496057e-02	1.113636e-02	...	4.171805e-02	4.449330e-02
	D35	9.233975e-04	2.728125e-03	...	3.185649e-03	1.320365e-02

	E36	8.235060e-05	1.758120e-04	...	9.665912e-05	1.296516e-03
	F	4.300696e-02	3.985636e-02	...	8.210250e-02	8.563265e-02
	G45	3.674936e-02	1.122993e-01	...	1.924145e-01	6.348895e-02
	G47	5.092090e-02	1.096491e-01	...	1.558888e-01	1.078204e-01
	G46	2.760888e-01	6.145194e-01	...	9.006744e-01	1.240927e+00
	I	4.520560e-02	5.297802e-02	...	5.046138e-01	9.353725e-01
	H49	2.499101e+00	2.765770e+00	...	2.091560e-01	2.674746e-01
	H50	5.973699e-01	1.839257e-01	...	4.984659e-02	5.834116e-02
	H51	1.144441e-01	8.078142e-02	...	1.843356e+00	1.814632e+00
	H52	8.816616e-01	5.883929e-01	...	9.347137e-02	1.010605e-01
	H53	8.311590e-02	5.158357e-01	...	7.804883e-01	1.034482e+00
	K64	5.256781e-02	8.036711e-02	...	2.534647e-02	6.326301e-02
	K65	7.782026e-02	1.226959e-01	...	1.347317e-01	7.492998e-02
	K66	6.742705e-03	1.767084e-02	...	1.994713e-02	4.651383e-02
	L68	4.050309e-03	1.543768e-02	...	4.131945e-02	2.943205e-03
	M_N	1.662703e+00	4.838892e+00	...	5.530405e+00	1.861413e+00
	J62_63	7.062150e-02	1.175047e+00	...	2.550448e-01	4.338662e+00
	O84	4.792009e-02	8.906905e-02	...	9.718900e-02	3.702916e-01
	P85	8.729103e-02	1.932856e-01	...	1.016206e-01	2.882158e-01
	R_S	3.347314e-02	2.515795e-01	...	1.221022e-01	1.415164e-01
	T	0.000000e+00	0.000000e+00	...	7.051689e-03	7.000602e-03
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
PL	A01	9.624906e-03	2.308022e-03	...	1.349412e+00	2.620112e+00
	A02	3.098826e-01	3.326596e-03	...	7.434272e-04	9.671520e-04
	A03	1.046007e-04	3.701167e-05	...	1.093082e-03	1.032002e-03
	B_nongas	2.404713e+00	2.758849e-01	...	6.683956e-03	6.486907e-03
	B_gas	1.887672e-04	4.093689e-05	...	1.063937e-05	1.015615e-05
	C10-12	5.893818e-01	6.962095e-02	...	9.805401e-01	1.085497e+00
	C13-15	4.695334e-01	1.108799e-01	...	4.016468e-02	4.374339e-02
	C16	4.003070e-01	1.449063e-01	...	1.865263e-02	4.910248e-03
	C17	1.772513e+01	4.596831e+00	...	7.424705e-01	9.487911e-02
	C18	1.391090e+00	4.728892e+01	...	1.992402e-01	9.316330e-02
	C19	1.026630e-01	4.484643e-01	...	2.903749e-02	2.830619e-02
	C24	6.428438e-01	1.404600e-01	...	4.997956e-02	6.065896e-02
	C20-21	1.053207e+00	5.449025e-01	...	1.967740e-02	2.009426e-02
	C22	1.223161e+00	3.356519e+00	...	8.647008e-02	6.809287e-02
	C23	4.749928e-02	3.653922e-02	...	9.031757e-03	8.183660e-03
	C25_33	1.421297e-01	1.089059e-01	...	1.260613e-01	2.578287e-01
	C25	8.988475e-02	7.930536e-02	...	1.788749e-01	3.540204e-01
	C26	3.810921e-03	5.769928e-03	...	9.422379e-03	1.430673e-02
	C27	4.321910e-01	7.776997e-02	...	2.192007e-01	2.345660e-01
	C28_32	3.762318e-02	6.559747e-03	...	1.478499e-02	1.676587e-02
	C29	8.276991e-02	1.098602e-01	...	1.033424e-01	1.098574e-01
	C30	7.937683e-03	5.673374e-03	...	1.872385e-01	2.532599e-01
	C31	2.551704e-01	2.001996e-01	...	4.862605e-03	6.361147e-03
	E37-39	3.168953e-02	1.227200e-02	...	8.355549e-03	2.268511e-03
	D35	2.900228e-02	8.543623e-03	...	2.561786e-03	3.336453e-03
	E36	1.947008e-03	1.112253e-03	...	9.456947e-04	9.722676e-05

	F	9.693308e-02	7.486488e-02	...	3.459876e-02	3.737261e-02
	G45	1.828233e-02	2.677224e-02	...	3.166598e-02	3.130917e-02
	G47	6.120703e-01	2.051336e+00	...	1.666643e-01	1.888051e-01
	G46	1.592431e+00	1.945740e+00	...	2.834453e-01	3.212562e-01
	I	5.247521e-02	4.606398e-02	...	1.816012e-01	3.395258e-01
	H49	8.271828e+00	9.072900e+00	...	1.076367e-01	9.355054e-02
	H50	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	H51	6.507223e-02	3.752745e-02	...	9.352621e-01	8.626287e-01
	H52	1.881008e+00	9.423916e-01	...	2.935178e-02	2.442628e-02
	H53	4.539517e-02	9.696391e-02	...	5.665394e-02	8.108877e-02
	K64	1.141758e-01	2.144347e-01	...	1.346457e-03	2.097968e-03
	K65	5.603471e-01	2.266201e-01	...	5.591732e-05	8.556415e-05
	K66	3.081795e-02	2.041905e-01	...	1.290964e-03	1.555062e-03
	L68	1.071716e-02	3.004674e-02	...	1.247684e-02	1.677353e-03
	M_N	5.240011e-01	3.992526e+00	...	4.778844e-01	1.859749e-01
	J62_63	2.695784e-02	1.611639e-01	...	2.052908e-03	4.715105e-01
	O84	1.383175e-03	1.801720e-01	...	6.176743e-04	2.377956e-04
	P85	4.676195e-03	2.148316e-01	...	2.518871e-03	6.197860e-03
	R_S	1.310824e-02	3.129532e-01	...	9.419719e-03	7.543467e-03
	T	0.000000e+00	0.000000e+00	...	4.134756e-02	4.104801e-02
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
PT	A01	1.630223e-03	2.439708e-04	...	1.034249e+01	9.488179e+00
	A02	2.818897e-03	2.877702e-05	...	4.226134e-05	2.428764e-05
	A03	3.840790e-05	3.557957e-05	...	5.610489e-05	4.025680e-05
	B_nongas	1.299441e-02	1.374954e-04	...	9.310221e-02	1.601889e-01
	B_gas	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	C10-12	1.062049e-01	5.222889e-03	...	1.235349e-01	1.365920e-01
	C13-15	1.647347e-01	3.168578e-02	...	1.041983e-01	1.154807e-01
	C16	6.331947e-03	6.373491e-03	...	8.993960e-03	4.084348e-03
	C17	1.112526e+00	2.476254e-01	...	1.165580e+00	2.081219e-01
	C18	1.510705e-01	9.210832e+00	...	1.198657e-01	2.748565e-02
	C19	1.447380e-03	1.690088e-03	...	3.315199e-02	3.276749e-02
	C24	1.128273e-02	3.055003e-04	...	4.305611e-03	4.480103e-03
	C20-21	1.852237e-03	1.759656e-03	...	2.014926e-02	2.069215e-02
	C22	1.258428e-01	3.836498e-01	...	3.426843e-02	2.551704e-02
	C23	6.219742e-04	1.888231e-02	...	9.964362e-03	8.342079e-03
	C25_33	4.983511e-03	7.223515e-03	...	3.118343e-02	6.922098e-02
	C25	1.402049e-02	1.926640e-03	...	3.054319e-02	6.265374e-02
	C26	3.006506e-03	5.008207e-03	...	1.908134e-03	2.609116e-03
	C27	8.827493e-02	1.409569e-02	...	5.099243e-02	5.375159e-02
	C28_32	1.765353e-02	1.831352e-03	...	2.082160e-03	2.066192e-03
	C29	1.936326e-03	2.371712e-03	...	1.145275e-02	1.096085e-02
	C30	1.238193e-03	3.089430e-04	...	2.445255e-03	3.102500e-03
	C31	1.249113e-02	9.349390e-03	...	9.962800e-04	1.678406e-03
	E37-39	6.949972e-03	2.753197e-04	...	4.675788e-04	2.022319e-04
	D35	3.598746e-04	3.673538e-04	...	2.613815e-04	1.335969e-04
	E36	1.722574e-03	1.674331e-04	...	6.597132e-05	1.252248e-05
	F	1.421983e-02	1.044604e-02	...	6.465928e-03	5.848968e-03

	G45	2.188523e-03	2.800105e-03	...	1.014821e-02	9.956293e-03
	G47	1.113237e-02	1.319703e-02	...	1.497635e-02	1.008604e-02
	G46	3.718315e-02	5.315068e-02	...	2.011444e-02	4.694950e-02
	I	2.470716e-02	2.279277e-02	...	1.165903e-02	2.142447e-02
	H49	4.957767e-01	5.540695e-01	...	8.133281e-03	6.964751e-03
	H50	9.097972e-03	2.414198e-03	...	2.431555e-04	1.938639e-04
	H51	9.233184e-03	4.322496e-03	...	9.733667e-03	9.483440e-03
	H52	1.265983e-01	6.175240e-02	...	2.357368e-03	1.629869e-03
	H53	3.369842e-03	1.823286e-02	...	1.131596e-02	1.165891e-02
	K64	3.657008e-02	4.808408e-02	...	6.893712e-05	8.569783e-04
	K65	4.126389e-03	1.673196e-03	...	9.609768e-06	6.896843e-08
	K66	2.055035e-04	1.909826e-04	...	1.080575e-07	9.647013e-08
	L68	8.433809e-04	2.806050e-03	...	2.183623e-03	1.475766e-04
	M_N	3.679071e-02	1.594404e-01	...	5.199709e-02	1.827409e-02
	J62_63	8.462956e-04	1.423375e-03	...	1.951322e-04	4.710786e-02
	O84	2.823780e-03	5.950128e-02	...	7.000057e-03	6.211998e-03
	P85	9.899908e-04	3.497790e-03	...	2.066924e-04	3.973666e-04
	R_S	1.847373e-03	2.996658e-02	...	7.431036e-03	7.084761e-03
	T	0.000000e+00	0.000000e+00	...	1.354049e-02	1.344240e-02
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
R0	A01	2.739270e-05	6.179946e-05	...	1.031168e+01	1.244531e+01
	A02	6.208606e-02	0.000000e+00	...	4.240699e-06	2.747147e-07
	A03	0.000000e+00	0.000000e+00	...	5.519946e-11	0.000000e+00
	B_nongas	5.452644e-02	0.000000e+00	...	4.639967e-02	5.050317e-02
	B_gas	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	C10-12	1.528145e-01	7.127920e-03	...	2.173520e-01	2.233193e-01
	C13-15	6.522470e-01	1.654745e-01	...	3.191944e-02	3.539937e-02
	C16	4.704684e-02	4.535151e-02	...	7.343834e-02	3.319595e-02
	C17	6.634101e+00	1.453327e+00	...	1.388789e-01	1.522269e-02
	C18	1.032377e-02	1.365166e+00	...	3.191351e-02	1.297985e-02
	C19	1.046867e-01	1.892376e-01	...	1.924429e+00	1.999796e+00
	C24	1.395661e-01	1.275429e-02	...	4.337857e-02	4.148166e-02
	C20-21	2.961466e-01	1.148724e-01	...	1.027524e-02	1.081769e-02
	C22	2.770966e-01	8.559084e-01	...	7.726263e-02	5.952602e-02
	C23	4.201162e-04	0.000000e+00	...	4.706171e-03	3.929671e-03
	C25_33	1.099693e-03	4.872961e-03	...	5.602887e-02	1.287280e-01
	C25	1.542724e-02	8.751847e-04	...	1.038113e-01	2.171495e-01
	C26	7.668121e-02	1.285417e-01	...	1.978013e-02	2.712754e-02
	C27	1.785632e-01	2.376768e-02	...	9.613221e-02	9.825895e-02
	C28_32	1.893375e-02	1.957676e-03	...	8.940736e-03	6.814702e-03
	C29	0.000000e+00	0.000000e+00	...	8.593407e-02	6.753933e-02
	C30	0.000000e+00	0.000000e+00	...	4.054390e-02	5.452361e-02
	C31	2.120651e-01	1.500622e-01	...	4.707557e-05	4.705008e-05
	E37-39	9.219421e-03	3.216566e-04	...	3.523960e-03	4.911964e-05
	D35	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	F	3.675573e-02	3.078703e-02	...	2.870161e-02	2.534698e-02
	G45	4.389870e-05	2.582741e-05	...	3.549665e-02	3.580306e-02

	G47	9.184695e-05	1.708502e-04	...	1.450245e-02	1.383745e-02
	G46	1.625703e-02	4.500102e-03	...	2.295842e-02	2.049651e-02
	I	2.334420e-02	2.157169e-02	...	2.779575e-01	5.253752e-01
	H49	6.870922e+00	7.578284e+00	...	1.224888e-01	1.068490e-01
	H50	2.263928e-01	6.278876e-02	...	1.360054e-02	1.360558e-02
	H51	5.057806e-02	2.942030e-02	...	1.757916e-01	1.621136e-01
	H52	1.306439e+00	6.317952e-01	...	1.177018e-02	9.178406e-03
	H53	1.236060e-02	8.753107e-02	...	1.183177e-01	1.243493e-01
	K64	1.916810e-01	2.516781e-01	...	0.000000e+00	0.000000e+00
	K65	8.666143e-02	3.495299e-02	...	2.300318e-06	7.636358e-08
	K66	1.366460e-03	1.271340e-03	...	0.000000e+00	0.000000e+00
	L68	2.665903e-03	1.460027e-02	...	1.238433e-02	1.058316e-05
	M_N	7.487027e-01	2.429066e+00	...	8.563207e-01	1.123715e-01
	J62_63	2.597639e-02	4.051364e-02	...	0.000000e+00	4.805314e-01
	O84	1.637478e-05	1.442123e-04	...	3.753354e-08	4.814759e-08
	P85	1.232160e-04	1.115149e-04	...	2.342910e-06	9.064386e-07
	R_S	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	T	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
SE	A01	4.073742e-03	2.987103e-03	...	7.184391e-03	4.253620e-03
	A02	5.391917e-04	2.610310e-04	...	1.620957e-03	1.383109e-03
	A03	8.033645e-07	1.007194e-06	...	1.521809e-10	1.134057e-10
	B_nongas	1.845298e-02	7.681106e-04	...	2.356415e+00	2.286007e+00
	B_gas	1.510436e-04	4.863868e-04	...	9.270868e-04	7.791252e-05
	C10-12	2.403959e-02	5.399846e-03	...	1.652984e-01	1.970290e-01
	C13-15	3.734924e-02	2.528186e-03	...	1.531837e-02	1.705280e-02
	C16	2.031727e-02	1.505207e-02	...	9.019334e-02	4.230025e-02
	C17	3.570515e+01	7.793889e+00	...	1.391640e+00	2.303924e-01
	C18	6.721372e-02	5.852837e-01	...	8.713196e-02	1.405189e-01
	C19	2.721282e-03	4.522867e-02	...	1.661218e-02	1.878584e-02
	C24	2.551427e-01	1.780010e-02	...	7.431498e-02	1.128350e-01
	C20-21	1.532785e-02	2.219468e-02	...	1.078909e-01	1.011482e-01
	C22	2.142157e-01	4.528442e-01	...	5.484643e-02	4.513187e-02
	C23	6.651416e-03	6.897759e-03	...	1.266881e-01	1.237740e-01
	C25_33	1.106882e-02	9.341072e-03	...	3.961565e-02	8.564421e-02
	C25	4.428866e-02	9.926586e-03	...	2.912915e-01	5.808691e-01
	C26	3.143117e-03	5.066035e-03	...	1.231547e-02	1.844855e-02
	C27	5.203112e-02	1.215241e-02	...	2.569024e-01	5.824261e-01
	C28_32	5.289476e-02	7.693416e-03	...	1.568697e-02	1.928033e-02
	C29	1.438735e-02	1.211605e-02	...	2.264381e-01	1.839336e-01
	C30	5.189350e-03	8.398568e-03	...	2.261160e-02	2.066504e-02
	C31	8.689635e-02	3.173570e-02	...	5.357555e-03	4.383451e-03
	E37-39	6.319149e-01	3.796094e-02	...	6.614379e-04	7.174637e-04
	D35	3.977119e-02	9.705846e-03	...	1.210725e-02	2.320364e-02
	E36	1.393623e-02	1.338325e-03	...	9.902827e-05	5.466318e-04
	F	1.747232e-02	2.134616e-02	...	5.583651e-01	5.163357e-01
	G45	8.955637e-03	1.828318e-02	...	3.963117e-01	3.974999e-01
	G47	1.889751e-02	2.924649e-02	...	1.485679e-01	3.323377e-01

	G46	2.837470e-01	1.265666e-01	...	3.056280e-01	5.875472e-01
	I	3.715267e-02	3.544001e-02	...	3.521127e-02	6.405849e-02
	H49	1.612484e+00	1.766169e+00	...	2.098779e-01	1.857015e-01
	H50	1.544059e-01	5.612805e-02	...	5.166338e-02	3.431709e-02
	H51	5.986104e-02	3.790535e-02	...	1.355215e-01	1.239009e-01
	H52	6.935874e-01	3.180295e-01	...	2.245558e-01	1.949048e-01
	H53	4.280515e-02	1.935008e-01	...	2.921657e-01	3.697220e-01
	K64	1.370838e-02	1.809213e-02	...	1.100870e-08	6.194593e-02
	K65	9.954857e-02	4.085065e-02	...	1.560662e-03	2.855999e-02
	K66	2.980283e-04	3.242343e-04	...	6.844425e-09	8.595658e-03
	L68	4.176515e-04	2.077526e-03	...	5.029850e-02	5.449867e-04
	M_N	4.523539e-01	1.270523e+00	...	2.030332e+00	5.782446e-01
	J62_63	3.333358e-02	1.865015e-01	...	3.611741e-02	4.423089e+00
	O84	1.677786e-02	1.365069e-02	...	2.068255e-02	4.279524e-02
	P85	2.541544e-03	9.113022e-03	...	9.104987e-03	2.148027e-02
	R_S	1.031593e-02	6.464720e-02	...	3.547081e-02	5.117388e-02
	T	0.000000e+00	0.000000e+00	...	5.248146e-02	5.210126e-02
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
SI	A01	1.859803e-02	2.384715e-03	...	2.675462e-01	2.363518e-01
	A02	3.624283e+00	2.791166e-03	...	2.606300e-04	1.397118e-04
	A03	2.613794e-04	8.981846e-05	...	1.302561e-05	1.452049e-05
	B_nongas	2.644008e-01	5.706995e-04	...	2.001682e-04	6.018588e-04
	B_gas	1.075798e-04	1.129113e-05	...	0.000000e+00	0.000000e+00
	C10-12	7.285176e-02	5.799608e-03	...	1.000218e-02	1.196868e-02
	C13-15	3.510377e-01	3.787132e-02	...	1.155065e-02	1.282364e-02
	C16	5.909667e-01	8.180513e-02	...	1.074087e-02	5.939600e-03
	C17	5.818953e-01	1.369862e-01	...	1.333667e-01	1.454583e-02
	C18	1.432893e-01	1.819837e+01	...	1.852264e-02	9.310756e-03
	C19	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	C24	1.921135e-01	2.656269e-02	...	9.178440e-03	1.092931e-02
	C20-21	1.041011e+00	4.302012e-01	...	9.942574e-03	1.057676e-02
	C22	5.414564e-01	1.656900e+00	...	1.757012e-02	1.375150e-02
	C23	3.031965e-01	7.110248e-02	...	2.286911e-03	1.430774e-03
	C25_33	6.308219e-02	5.890278e-02	...	1.628520e-02	3.247401e-02
	C25	7.243070e-02	3.156080e-02	...	3.883907e-02	7.732316e-02
	C26	4.715226e-03	7.364961e-03	...	4.567297e-04	2.053567e-03
	C27	1.141554e-01	1.078829e-01	...	2.644276e-02	2.969118e-02
	C28_32	1.555559e-02	1.296395e-02	...	3.264438e-03	3.826836e-03
	C29	2.542106e-02	1.718313e-02	...	3.945430e-02	3.274634e-02
	C30	3.100656e-04	5.376091e-04	...	1.265206e-03	1.961868e-03
	C31	9.132593e-02	9.032062e-02	...	1.321335e-03	1.121096e-03
	E37-39	5.317787e-03	3.455972e-03	...	5.465605e-04	2.044418e-03
	D35	2.188624e-02	6.935233e-02	...	7.966770e-03	1.243006e-03
	E36	1.884957e-03	1.561276e-03	...	2.254933e-04	7.263908e-05
	F	1.050728e-01	6.760154e-02	...	1.258224e-02	1.142017e-02
	G45	2.823938e-02	3.638719e-02	...	1.607939e-02	1.543858e-02
	G47	3.742687e-01	3.688919e+00	...	1.907875e-02	1.591977e-02
	G46	2.444131e-01	9.536131e-01	...	1.744754e-02	3.022394e-02

	I	1.102920e-01	1.032401e-01	...	5.708793e-02	1.069670e-01
	H49	4.653531e+00	5.053223e+00	...	1.611649e-01	1.430813e-01
	H50	1.155635e+00	2.937392e-01	...	2.672153e-02	2.716398e-02
	H51	2.416409e-02	1.723635e-02	...	1.185053e-01	1.091156e-01
	H52	1.769283e+00	1.148794e+00	...	3.555291e-02	3.020735e-02
	H53	3.959791e-02	2.497129e-01	...	4.482688e-02	4.987386e-02
	K64	3.385215e-02	4.325920e-02	...	8.142457e-04	6.822780e-03
	K65	2.775325e-02	1.125573e-02	...	4.316563e-06	8.847212e-04
	K66	9.634969e-04	1.176302e-03	...	4.818802e-05	3.714167e-04
	L68	2.110549e-02	2.520143e-02	...	8.895656e-03	3.304452e-03
	M_N	3.375847e-01	1.121014e+00	...	1.038961e-01	3.137797e-02
	J62_63	1.642356e-02	3.256648e-02	...	5.458351e-04	1.302835e-01
	O84	2.008202e-03	1.463529e-02	...	9.876778e-04	3.166191e-03
	P85	1.145936e-02	3.898160e-02	...	1.389070e-03	3.340483e-03
	R_S	8.312281e-03	1.210097e-01	...	2.961359e-03	3.016349e-03
	T	0.000000e+00	0.000000e+00	...	7.300456e-03	7.247568e-03
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
SK	A01	3.096332e-02	5.240070e-03	...	3.334789e-02	3.110203e-02
	A02	1.201574e+00	2.194591e-03	...	6.731099e-05	1.054610e-04
	A03	2.989045e-05	3.173988e-05	...	7.891131e-07	7.380264e-07
	B_nongas	2.143171e-01	6.096934e-03	...	1.093924e-03	1.149953e-03
	B_gas	1.689125e-06	5.810348e-06	...	6.994823e-06	6.795337e-06
	C10-12	3.367750e-01	2.418596e-02	...	1.440962e-02	1.641886e-02
	C13-15	4.598287e-01	6.453736e-02	...	8.478203e-03	9.634951e-03
	C16	1.514633e-01	6.988883e-02	...	1.319441e-03	7.180709e-04
	C17	7.916236e+00	1.765425e+00	...	1.232427e-01	1.376091e-02
	C18	1.479850e-01	1.372077e+01	...	2.568617e-02	1.043753e-02
	C19	1.038654e-01	1.856817e+00	...	5.902816e-04	6.552052e-04
	C24	5.827250e-01	5.345309e-02	...	3.618462e-02	3.609978e-02
	C20-21	4.869511e-02	1.880864e-01	...	1.666566e-03	1.488899e-03
	C22	6.063160e-01	2.034026e+00	...	1.695585e-02	1.306880e-02
	C23	1.111457e-01	1.813943e-02	...	5.311593e-04	5.328904e-04
	C25_33	3.026226e-02	5.260456e-02	...	1.114439e-02	1.989412e-02
	C25	7.440674e-02	2.659019e-02	...	3.791333e-02	7.747655e-02
	C26	7.330463e-02	1.221601e-01	...	2.756677e-03	3.837250e-03
	C27	2.382915e-01	1.242335e-01	...	7.972707e-02	8.889877e-02
	C28_32	1.822433e-02	7.080558e-03	...	2.387691e-03	2.761957e-03
	C29	3.758654e-02	9.642548e-02	...	2.055068e-01	1.618501e-01
	C30	2.301685e-03	1.156253e-02	...	1.545077e-03	1.898960e-03
	C31	1.586357e-01	1.242423e-01	...	3.899318e-04	3.572523e-04
	E37-39	1.330443e-01	3.318204e-02	...	8.414528e-04	5.181672e-04
	D35	1.296474e-02	1.680849e-02	...	3.258576e-04	4.002751e-04
	E36	3.587854e-02	6.999324e-03	...	8.433892e-05	3.653345e-05
	F	1.150568e-01	9.347440e-02	...	4.571229e-03	4.537473e-03
	G45	2.444027e-02	1.455917e-02	...	4.079515e-03	3.895116e-03
	G47	1.797972e-01	3.268676e-01	...	4.839388e-03	7.885678e-03
	G46	2.144824e-01	3.396423e-01	...	1.521924e-02	2.017765e-02
	I	3.863387e-02	3.828716e-02	...	2.576345e-02	4.856840e-02

	H49	5.316054e+00	5.761395e+00	...	1.292638e-02	1.107844e-02
	H50	2.771615e-01	9.187290e-02	...	1.316576e-04	9.407929e-05
	H51	4.504518e-02	2.305444e-02	...	6.453981e-03	6.052110e-03
	H52	1.948810e+00	1.138243e+00	...	5.787815e-03	4.926959e-03
	H53	2.532581e-02	1.164562e-01	...	5.096288e-03	5.952585e-03
	K64	5.856584e-02	7.660760e-02	...	3.156140e-09	1.047743e-10
	K65	1.417080e-02	5.715483e-03	...	4.010015e-07	1.331203e-08
	K66	2.582969e-03	2.646369e-03	...	0.000000e+00	0.000000e+00
	L68	3.477564e-02	9.579068e-02	...	2.134844e-03	7.361860e-04
	M_N	6.369951e-01	1.886344e+00	...	1.953109e-02	1.392747e-02
	J62_63	7.067860e-02	2.913230e-01	...	6.203243e-04	3.704870e-02
	O84	9.684772e-03	2.101529e-02	...	1.118767e-03	1.634239e-03
	P85	5.130042e-03	2.447744e-02	...	7.048472e-04	1.166307e-03
	R_S	6.223583e-02	4.301001e-01	...	1.368334e-03	1.638702e-03
	T	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
GB	A01	3.434024e-04	5.204218e-04	...	1.921709e+00	1.906176e+00
	A02	1.626495e-02	8.457240e-04	...	2.440658e-03	7.695362e-03
	A03	1.141486e-04	8.521432e-05	...	4.076770e-04	8.683631e-04
	B_nongas	1.044817e-01	2.525606e-02	...	8.042677e-01	8.267663e-01
	B_gas	2.315740e-02	5.198821e-02	...	1.664414e-01	6.748469e-02
	C10-12	2.644335e-01	9.737361e-03	...	2.308349e+00	2.572040e+00
	C13-15	3.715980e-01	7.098543e-02	...	4.203873e-01	4.569678e-01
	C16	1.709958e-02	1.750148e-02	...	6.778355e-02	6.866121e-02
	C17	7.483753e+00	1.850235e+00	...	1.276426e+00	2.029376e-01
	C18	7.589396e-01	2.085532e+01	...	9.137734e+00	3.705832e+00
	C19	1.006014e-03	1.127773e-02	...	1.139975e+00	1.232237e+00
	C24	1.669868e-01	3.751268e-02	...	1.043711e+00	1.043868e+00
	C20-21	4.789699e-02	7.748435e-02	...	4.031250e-01	4.902807e-01
	C22	6.812035e-01	1.812714e+00	...	5.385010e-01	4.574889e-01
	C23	1.329388e-02	1.696794e-02	...	4.808583e-02	4.711498e-02
	C25_33	1.212818e-01	1.053636e-01	...	1.199180e+00	1.608490e+00
	C25	1.612791e-01	5.865859e-01	...	1.604454e+00	2.004346e+00
	C26	3.818248e-02	1.023435e-01	...	2.591647e-01	3.319296e-01
	C27	1.254690e-01	1.611170e-01	...	1.093252e+00	1.406913e+00
	C28_32	4.796333e-02	2.437815e-02	...	4.453886e-01	6.800151e-01
	C29	1.384276e-01	1.484343e-01	...	1.435954e+00	2.030923e+00
	C30	9.489270e-02	9.374768e-02	...	8.974741e-01	1.186442e+00
	C31	7.208362e-02	1.751444e-01	...	4.452957e-01	6.961410e-01
	E37-39	3.903057e-02	1.172543e-01	...	2.560755e-01	4.317050e-02
	D35	2.365012e-02	5.705444e-02	...	1.463191e-01	2.492756e-01
	E36	5.631551e-04	1.079810e-03	...	4.851497e-03	1.737205e-02
	F	6.042251e-02	5.750070e-02	...	1.214832e+00	1.081304e+00
	G45	3.928349e-03	7.841914e-03	...	2.633452e+00	2.724720e+00
	G47	3.188763e-02	7.777926e-02	...	1.330138e+00	1.974711e+00
	G46	1.441853e-01	2.033626e-01	...	1.386757e+00	1.587361e+00
	I	9.295369e-02	8.804076e-02	...	2.285954e+00	4.367506e+00
	H49	1.118549e+00	1.242036e+00	...	3.073908e+00	2.774674e+00

	H50	5.118995e-01	1.297788e-01	...	2.567669e-01	2.905360e-01
	H51	2.943653e-01	1.718933e-01	...	1.914414e+01	1.777419e+01
	H52	3.512257e-01	1.733381e-01	...	1.067533e+00	1.189505e+00
	H53	6.002504e-02	3.219960e-01	...	3.292931e+00	3.739353e+00
	K64	2.549728e-01	3.654307e-01	...	2.328911e-02	6.188491e-01
	K65	9.793268e-02	4.120554e-02	...	3.630656e-02	1.058338e-01
	K66	1.351685e-02	3.482457e-02	...	9.785688e-02	3.750615e-01
	L68	8.153327e-03	3.898416e-02	...	9.386398e-01	1.860533e-02
	M_N	1.711155e+00	5.462935e+00	...	1.702028e+01	3.839145e+00
	J62_63	1.530462e-01	8.264368e-01	...	8.910734e-01	1.368903e+01
	O84	9.964161e-05	8.775414e-04	...	2.369756e-06	3.039895e-06
	P85	4.421251e-03	3.809553e-02	...	1.801122e-02	7.387631e-02
	R_S	3.313386e-02	5.501393e-01	...	3.454752e-01	7.629885e-01
	T	1.765852e-05	2.268499e-05	...	2.249106e+00	2.232791e+00
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
US	A01	3.627964e-04	2.489094e-03	...	3.636288e+01	3.797317e+01
	A02	8.674781e-03	0.000000e+00	...	4.085020e-03	4.074600e-03
	A03	0.000000e+00	0.000000e+00	...	1.703519e-08	0.000000e+00
	B_nongas	2.095106e+00	2.406246e-01	...	6.610624e+00	5.921842e+00
	B_gas	1.953768e-02	8.337718e-03	...	3.014289e-01	3.267096e-01
	C10-12	2.846110e-01	7.006345e-02	...	3.613985e+00	4.026505e+00
	C13-15	3.726593e-01	1.326709e-01	...	5.123052e-01	5.639335e-01
	C16	3.985867e-03	3.227131e-03	...	3.066273e-02	1.436295e-02
	C17	6.703564e+00	1.543857e+00	...	2.967367e+00	1.606631e+00
	C18	6.871276e-02	4.910020e+00	...	6.667061e+00	2.376640e+00
	C19	1.586092e-01	6.612375e-02	...	2.928412e+00	3.289875e+00
	C24	1.794764e-01	1.516318e-02	...	1.397087e+00	1.310797e+00
	C20-21	1.838577e+01	7.221348e+00	...	2.062040e+00	2.171707e+00
	C22	4.388832e-01	1.009662e+00	...	7.750036e-01	6.062442e-01
	C23	1.892125e-02	6.120082e-03	...	1.009395e-01	9.665615e-02
	C25_33	4.146394e-02	4.170294e-02	...	7.390179e-01	1.596815e+00
	C25	1.048248e-01	2.557099e-02	...	4.419802e+00	9.205702e+00
	C26	1.966925e-01	3.155875e-01	...	1.166624e+00	1.602341e+00
	C27	1.767833e-01	3.967637e-02	...	3.442108e+00	3.912707e+00
	C28_32	5.708273e-01	8.732688e-02	...	6.171986e-01	4.964652e-01
	C29	2.936976e-02	1.459205e-02	...	3.064926e+00	2.492854e+00
	C30	6.794150e-02	2.550526e-02	...	4.014937e+00	5.430307e+00
	C31	2.150509e-01	1.475146e-01	...	6.971388e-02	2.966651e-02
	E37-39	3.842648e-02	1.613883e-02	...	4.214250e-02	6.235564e-02
	D35	0.000000e+00	0.000000e+00	...	9.083168e-04	4.705368e-04
	E36	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	F	7.120348e-03	5.964086e-03	...	6.297681e-02	5.561613e-02
	G45	2.341372e-04	1.377526e-04	...	1.350842e+00	1.362503e+00
	G47	3.216330e-04	6.193260e-04	...	2.315382e-01	2.209076e-01
	G46	6.442202e-02	1.783263e-02	...	4.289964e-01	3.829936e-01
	I	9.423469e-02	8.716832e-02	...	3.375128e+00	6.376744e+00
	H49	7.045337e-01	7.822492e-01	...	4.540653e+00	4.026272e+00
	H50	2.709317e-01	6.839658e-02	...	5.335046e-02	4.999477e-02

	H51	1.005406e-01	5.848257e-02	...	1.049569e+01	9.679039e+00
	H52	4.475482e-01	1.663800e-01	...	1.083132e+00	8.686753e-01
	H53	7.760840e-02	4.460586e-01	...	2.041230e+00	5.005286e+00
	K64	2.707554e-01	3.554295e-01	...	5.284094e-06	4.284395e-06
	K65	3.688759e-02	1.487780e-02	...	9.243522e-04	3.068569e-05
	K66	1.373887e-03	1.278250e-03	...	0.000000e+00	0.000000e+00
	L68	2.788388e-03	1.527083e-02	...	2.026693e-01	1.732010e-04
	M_N	1.596294e+00	4.902071e+00	...	5.012992e+01	1.327087e+01
	J62_63	7.385505e-02	1.220652e-01	...	1.438630e-01	2.074243e+01
	O84	2.928345e-03	4.282728e-02	...	4.398960e-02	4.178795e-02
	P85	3.828286e-04	3.464737e-04	...	2.767015e-09	1.070518e-09
	R_S	6.549712e-02	8.595276e-01	...	1.199079e+00	6.070734e-02
	T	0.000000e+00	0.000000e+00	...	1.403410e-07	1.393243e-07
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
JP	A01	8.830377e-07	1.925725e-06	...	4.536304e-02	4.445492e-02
	A02	2.158440e-04	0.000000e+00	...	1.542531e-07	9.992595e-09
	A03	0.000000e+00	0.000000e+00	...	3.002393e-09	0.000000e+00
	B_nongas	1.489866e-02	0.000000e+00	...	2.118540e-01	2.238296e-01
	B_gas	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	C10-12	5.314809e-03	2.236223e-04	...	2.066121e-01	2.358876e-01
	C13-15	2.194773e-02	6.633536e-04	...	4.465344e-01	4.897989e-01
	C16	4.914514e-05	4.737419e-05	...	1.354088e-03	6.120814e-04
	C17	3.594804e-01	7.893306e-02	...	3.587887e-01	3.895532e-02
	C18	1.764488e-03	2.333276e-01	...	3.048282e-01	1.239796e-01
	C19	1.655497e-04	3.153010e-03	...	9.875723e-02	1.122819e-01
	C24	7.133101e-02	1.155585e-03	...	5.862705e-01	5.747886e-01
	C20-21	1.736525e+00	6.816070e-01	...	3.895238e-01	4.104252e-01
	C22	9.163592e-02	2.830491e-01	...	5.902597e-01	4.547582e-01
	C23	3.516025e-04	0.000000e+00	...	9.650503e-03	8.018602e-03
	C25_33	1.760912e-04	7.802954e-04	...	7.752676e-02	1.781200e-01
	C25	3.298312e-02	1.871126e-03	...	1.072332e+00	2.243072e+00
	C26	4.696195e-02	7.872293e-02	...	6.544107e-02	8.974944e-02
	C27	9.607957e-02	1.278868e-02	...	6.338664e-01	6.645392e-01
	C28_32	1.362413e-01	1.408682e-02	...	1.460980e-01	1.113571e-01
	C29	0.000000e+00	0.000000e+00	...	4.338522e+00	3.409834e+00
	C30	0.000000e+00	0.000000e+00	...	1.665716e-01	2.240062e-01
	C31	1.282841e-02	9.077685e-03	...	5.768758e-05	5.765634e-05
	E37-39	0.000000e+00	0.000000e+00	...	1.423952e-04	2.869585e-07
	D35	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	F	0.000000e+00	0.000000e+00	...	3.217834e-02	2.841736e-02
	G45	1.861715e-05	1.095324e-05	...	1.363021e-04	1.374786e-04
	G47	2.757585e-05	5.307941e-05	...	1.568165e-05	1.491536e-05
	G46	5.056204e-03	1.399606e-03	...	1.805294e-05	1.611706e-05
	I	2.813864e-03	2.600209e-03	...	2.810809e-02	5.312788e-02
	H49	5.876886e-02	6.564879e-02	...	1.618109e-04	1.381614e-04
	H50	1.182682e-01	2.984913e-02	...	3.124078e-02	3.177081e-02
	H51	2.110244e-02	1.227489e-02	...	5.398075e-03	4.978063e-03

	H52	1.594990e-02	7.713389e-03	...	2.312832e-05	1.803550e-05
	H53	9.354309e-04	6.624215e-03	...	3.835591e+00	4.031122e+00
	K64	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	K65	9.700557e-03	3.912508e-03	...	5.505891e-06	1.827789e-07
	K66	6.088777e-05	5.664934e-05	...	0.000000e+00	0.000000e+00
	L68	1.121114e-04	6.139973e-04	...	1.055932e-05	9.023574e-09
	M_N	9.258059e-02	2.392261e-01	...	1.393616e-03	4.565541e-04
	J62_63	7.544990e-04	1.176742e-03	...	0.000000e+00	2.317030e+01
	O84	1.759325e-05	1.549434e-04	...	2.772785e-06	3.556896e-06
	P85	0.000000e+00	0.000000e+00	...	2.318599e-04	8.970328e-05
	R_S	0.000000e+00	0.000000e+00	...	1.129127e-03	8.675432e-04
	T	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
CN	A01	2.715307e-05	5.924349e-05	...	7.582743e+00	7.549715e+00
	A02	1.588351e-02	0.000000e+00	...	6.370106e-06	4.126588e-07
	A03	0.000000e+00	0.000000e+00	...	6.927445e-09	0.000000e+00
	B_nongas	6.219907e-02	0.000000e+00	...	2.198038e+00	2.284840e+00
	B_gas	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	C10-12	8.183534e-02	3.612572e-03	...	1.399591e+00	1.593374e+00
	C13-15	1.392912e+00	1.702724e-01	...	1.513811e+01	1.691081e+01
	C16	1.698108e-02	1.636917e-02	...	2.532273e-01	1.144650e-01
	C17	3.630611e+00	7.972057e-01	...	8.278087e+00	9.300359e-01
	C18	4.283489e-02	5.664285e+00	...	7.835217e+00	3.186736e+00
	C19	1.261806e-02	2.469429e-01	...	9.370072e-01	9.182591e-01
	C24	1.027592e-01	6.358014e-03	...	3.416867e+00	3.290798e+00
	C20-21	2.511949e+00	9.861223e-01	...	2.506377e+00	2.640298e+00
	C22	6.670202e-01	2.060321e+00	...	4.036616e+00	3.109960e+00
	C23	2.763661e-03	0.000000e+00	...	1.002042e+00	8.368899e-01
	C25_33	3.060194e-03	1.356033e-02	...	3.277884e+00	7.531037e+00
	C25	7.784222e-02	4.415975e-03	...	6.281090e+00	1.313860e+01
	C26	1.224618e+00	2.052843e+00	...	3.553306e+00	4.873197e+00
	C27	7.762148e-01	1.033181e-01	...	1.225641e+01	1.448473e+01
	C28_32	2.984921e-01	3.086293e-02	...	2.842797e-01	2.166803e-01
	C29	0.000000e+00	0.000000e+00	...	1.749531e+00	1.375032e+00
	C30	0.000000e+00	0.000000e+00	...	1.199099e+00	1.612553e+00
	C31	3.845163e-01	2.720928e-01	...	2.637829e-03	2.636401e-03
	E37-39	8.467244e-03	2.362969e-04	...	1.947049e-04	4.205296e-07
	D35	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	F	1.285861e-03	1.077052e-03	...	1.091807e-01	9.641971e-02
	G45	2.908650e-05	1.711279e-05	...	7.801924e-02	7.869270e-02
	G47	4.012930e-05	7.702153e-05	...	1.355577e-02	1.293344e-02
	G46	8.021473e-03	2.220421e-03	...	2.479948e-02	2.214014e-02
	I	1.091680e-02	1.008790e-02	...	2.129122e-05	4.024311e-05
	H49	3.733055e-01	4.146863e-01	...	2.196272e-04	1.875356e-04
	H50	7.142608e-01	1.802638e-01	...	7.818275e-05	6.112831e-05
	H51	1.040014e-02	6.049565e-03	...	2.836731e-04	2.616012e-04
	H52	9.829772e-02	4.753688e-02	...	3.159094e-05	2.463467e-05

CA	H53	9.956501e-04	7.050655e-03	...	1.356914e-02	1.426087e-02
	K64	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	K65	1.896209e-02	7.647944e-03	...	3.819540e-08	1.267971e-09
	K66	4.339125e-04	4.037076e-04	...	0.000000e+00	0.000000e+00
	L68	8.163846e-04	4.471068e-03	...	1.285619e-02	1.098639e-05
	M_N	1.750554e-01	4.873888e-01	...	5.480533e-01	2.812109e-01
	J62_63	1.613007e-03	2.515699e-03	...	0.000000e+00	5.545866e-01
	O84	3.826422e-05	3.369921e-04	...	2.365360e-11	3.034257e-11
	P85	0.000000e+00	0.000000e+00	...	4.357077e-09	1.685691e-09
	R_S	0.000000e+00	0.000000e+00	...	1.460130e-05	2.153797e-05
	T	0.000000e+00	0.000000e+00	...	6.892406e-06	6.842473e-06
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	A01	1.121575e-03	1.201566e-03	...	4.078287e+00	4.475916e+00
	A02	1.371953e-03	1.637395e-03	...	1.447468e-03	4.795540e-04
	A03	4.233549e-07	5.847983e-07	...	7.801675e-04	8.646057e-04
	B_nongas	4.079463e-03	6.703741e-04	...	7.161013e+00	6.976719e+00
	B_gas	1.311591e-04	3.814882e-04	...	1.080427e-01	1.119283e-01
	C10-12	1.914204e-02	3.907395e-03	...	1.947703e-01	2.390312e-01
	C13-15	6.849253e-03	1.612939e-03	...	2.599049e-02	2.925563e-02
	C16	3.594874e-02	1.161366e-02	...	2.953695e-02	3.499497e-02
	C17	3.050095e+00	6.749930e-01	...	6.547788e-01	1.463306e-01
	C18	1.316037e-01	5.563566e-01	...	1.572247e-01	6.182491e-02
	C19	3.564469e-03	1.827280e-03	...	3.061296e-02	3.907342e-02
	C24	6.439284e-02	1.798820e-02	...	9.558848e-02	8.602360e-02
	C20-21	1.140897e-01	4.591688e-02	...	1.287319e-02	2.841063e-02
	C22	5.272418e-02	9.460191e-02	...	6.406996e-02	5.241300e-02
	C23	1.361128e-03	6.212735e-04	...	8.803709e-03	1.254164e-02
	C25_33	5.241632e-03	2.460218e-03	...	6.672624e-02	1.390744e-01
	C25	8.291892e-03	1.967675e-03	...	1.974821e-01	4.053956e-01
	C26	3.578604e-03	5.998860e-03	...	3.985273e-02	5.475741e-02
	C27	2.353232e-02	1.150066e-02	...	1.470641e-01	1.772516e-01
	C28_32	3.488956e-02	5.827520e-03	...	2.082999e-02	1.991610e-02
	C29	2.057538e-03	2.743523e-03	...	1.979499e-01	1.761389e-01
	C30	7.298229e-04	1.003456e-03	...	1.768842e-01	2.425505e-01
	C31	3.036056e-02	1.046860e-02	...	1.474768e-02	1.518173e-02
	E37-39	3.424692e-04	4.673694e-05	...	1.885137e-04	1.698320e-05
	D35	2.643414e-04	5.824922e-04	...	5.399869e-03	1.393330e-02
	E36	5.492526e-08	4.005130e-09	...	1.622259e-06	1.990031e-06
	F	4.920238e-03	2.989762e-03	...	1.291042e-02	2.197173e-02
	G45	6.508086e-04	1.524371e-03	...	3.813015e-02	3.665573e-02
	G47	7.678486e-04	1.628323e-03	...	2.196535e-02	2.016031e-02
	G46	1.498424e-02	2.026348e-02	...	7.290127e-02	9.539738e-02
	I	2.086046e-02	1.933991e-02	...	5.855458e-04	4.477811e-04
	H49	1.255233e-01	1.375423e-01	...	7.629067e-04	5.258567e-04
	H50	2.703996e-01	6.849430e-02	...	1.220333e-04	8.299856e-05
	H51	3.358941e-02	1.953850e-02	...	3.919611e-04	4.137431e-04
	H52	1.297060e-01	4.528989e-02	...	1.769753e-02	4.794001e-02
	H53	6.335608e-03	3.444424e-02	...	1.357530e-01	2.648085e-01

KR	K64	1.306431e-02	1.698322e-02	...	1.232654e-03	7.532860e-03
	K65	9.292358e-03	3.766221e-03	...	2.670691e-04	1.616035e-03
	K66	3.359078e-04	1.733600e-04	...	5.261433e-05	3.530260e-03
	L68	1.260754e-04	6.260244e-04	...	2.411157e-02	1.347793e-03
	M_N	1.696106e-01	5.349560e-01	...	2.229512e+00	2.254990e+00
	J62_63	2.693363e-03	4.677236e-03	...	1.937176e-03	8.382987e-01
	O84	4.228635e-03	6.072116e-03	...	8.246056e-03	1.781114e-02
	P85	3.303625e-04	6.862037e-04	...	4.003515e-03	1.156379e-02
	R_S	1.881218e-03	1.008522e-02	...	8.015540e-03	2.763298e-02
	T	2.666434e-08	2.032638e-10	...	2.143214e-06	2.127403e-06
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	A01	3.936993e-07	8.585779e-07	...	2.448508e-02	2.402138e-02
	A02	0.000000e+00	0.000000e+00	...	1.849082e-08	1.197845e-09
	A03	0.000000e+00	0.000000e+00	...	1.071201e-09	0.000000e+00
	B_nongas	2.895738e-07	0.000000e+00	...	2.020498e-02	1.956174e-02
	B_gas	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	C10-12	5.210464e-03	2.239521e-04	...	4.979717e-01	5.175278e-01
	C13-15	2.524851e-02	2.132954e-03	...	5.433187e-01	5.963278e-01
	C16	5.069978e-06	4.887282e-06	...	3.402194e-04	1.537876e-04
	C17	5.587651e-02	1.226931e-02	...	1.194412e+00	1.383383e-01
	C18	7.510169e-04	9.931096e-02	...	2.993026e-01	1.217322e-01
	C19	2.213049e-04	4.731841e-03	...	1.739100e+00	1.876420e+00
	C24	5.199103e-02	5.564536e-04	...	1.553702e+00	1.528810e+00
	C20-21	5.067566e-01	1.988209e-01	...	1.043426e+00	1.098830e+00
	C22	8.941319e-02	2.761834e-01	...	4.648976e-01	3.581745e-01
	C23	1.583608e-04	0.000000e+00	...	1.934095e-03	1.606060e-03
	C25_33	1.591009e-04	7.050081e-04	...	8.975079e-01	2.062051e+00
	C25	4.596670e-03	2.607683e-04	...	1.038743e+00	2.172812e+00
	C26	7.867763e-02	1.318883e-01	...	9.255233e-02	1.269313e-01
	C27	1.157571e-01	1.540786e-02	...	1.497288e+00	1.575728e+00
	C28_32	0.000000e+00	0.000000e+00	...	4.854556e-02	3.700183e-02
	C29	0.000000e+00	0.000000e+00	...	1.502906e+00	1.181200e+00
	C30	0.000000e+00	0.000000e+00	...	2.171273e-01	2.919937e-01
	C31	1.657394e-02	1.172811e-02	...	3.239945e-05	3.238191e-05
	E37-39	0.000000e+00	0.000000e+00	...	7.275768e-07	1.468430e-07
	D35	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	F	0.000000e+00	0.000000e+00	...	4.135139e-04	3.651826e-04
	G45	8.750984e-06	5.148565e-06	...	1.234308e-02	1.244963e-02
	G47	1.542042e-05	2.920185e-05	...	2.770907e-03	2.643712e-03
	G46	3.143217e-03	8.700726e-04	...	5.100833e-03	4.553853e-03
	I	1.181722e-03	1.091994e-03	...	1.433307e-05	2.709132e-05
	H49	3.423788e-02	3.822675e-02	...	1.489030e-04	1.271441e-04
	H50	7.725416e-02	1.949511e-02	...	4.909423e-05	3.836207e-05
	H51	6.513420e-03	3.788732e-03	...	1.745311e-04	1.609513e-04
	H52	9.919890e-03	4.797269e-03	...	2.128944e-05	1.660154e-05
	H53	4.406468e-04	3.120422e-03	...	1.012879e-03	1.064514e-03
	K64	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00

	K65	2.264744e-03	9.134351e-04	...	2.571699e-08	8.537258e-10
	K66	2.837001e-05	2.639515e-05	...	0.000000e+00	0.000000e+00
	L68	5.166406e-05	2.829469e-04	...	1.323525e-03	1.131033e-06
	M_N	2.269118e-02	6.633143e-02	...	2.170856e-01	1.662820e-02
	J62_63	0.000000e+00	0.000000e+00	...	0.000000e+00	4.122771e-04
	O84	8.349129e-06	7.353059e-05	...	1.592722e-11	2.043125e-11
	P85	0.000000e+00	0.000000e+00	...	2.082694e-09	8.057646e-10
	R_S	0.000000e+00	0.000000e+00	...	9.827149e-06	1.322742e-05
	T	0.000000e+00	0.000000e+00	...	4.655453e-06	4.621726e-06
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
BR	A01	3.251611e-03	3.079630e-04	...	1.626203e+01	1.497652e+01
	A02	6.856764e-04	2.284841e-05	...	1.251181e-01	1.117535e-01
	A03	1.625393e-06	5.665614e-07	...	4.863221e-02	4.841127e-02
	B_nongas	1.120745e-01	1.160428e-05	...	7.910852e+01	7.677770e+01
	B_gas	2.129999e-08	1.166530e-07	...	1.362575e-07	1.164402e-10
	C10-12	2.337160e-02	9.084986e-04	...	7.369344e+00	7.117882e+00
	C13-15	5.193768e-03	1.887347e-03	...	4.626101e-02	5.522475e-02
	C16	4.953885e-04	4.760272e-04	...	2.690482e-02	1.226462e-02
	C17	2.653530e-01	5.687105e-02	...	7.489350e-01	5.339535e-01
	C18	1.794867e-04	6.966389e-04	...	1.768104e-02	7.735348e-03
	C19	5.310062e-05	1.875909e-05	...	9.176778e-02	9.208497e-02
	C24	1.030590e-01	1.191499e-03	...	2.501933e-01	2.480595e-01
	C20-21	9.650586e-02	3.625113e-02	...	2.352385e-01	2.377550e-01
	C22	7.094728e-03	1.733463e-02	...	2.703548e-02	2.025405e-02
	C23	2.043287e-03	6.925322e-06	...	1.306990e-02	1.268494e-02
	C25_33	4.249907e-04	1.852288e-04	...	1.721591e-02	3.900039e-02
	C25	4.332791e-03	3.142113e-04	...	1.181786e-01	2.465147e-01
	C26	7.781990e-04	1.096039e-03	...	8.290144e-04	1.160719e-03
	C27	1.024931e-02	1.373238e-03	...	3.047455e-02	3.184802e-02
	C28_32	1.026355e-02	1.077998e-03	...	3.759720e-03	2.919065e-03
	C29	1.672943e-03	8.129877e-05	...	6.681013e-02	5.423743e-02
	C30	1.558658e-06	3.931806e-07	...	9.155507e-02	1.231537e-01
	C31	4.253564e-04	2.698428e-04	...	2.383552e-04	2.517567e-04
	E37-39	3.747722e-06	3.146128e-06	...	1.955691e-04	1.234008e-05
	D35	7.928993e-08	2.941659e-07	...	5.105322e-07	1.767323e-07
	E36	6.769459e-08	2.162507e-07	...	3.795228e-07	1.365879e-07
	F	1.501570e-03	1.270335e-03	...	1.150051e-02	1.014100e-02
	G45	2.452090e-03	6.284660e-03	...	3.756545e-02	1.310176e-02
	G47	1.020038e-02	2.097423e-02	...	7.780025e-02	6.148074e-03
	G46	2.243064e-02	2.736159e-02	...	9.312846e-02	8.618376e-03
	I	7.701646e-03	7.116236e-03	...	6.012958e-05	8.068487e-05
	H49	3.043311e-01	3.382162e-01	...	2.470762e-04	2.390214e-04
	H50	2.856015e-01	7.210471e-02	...	8.175795e-05	6.516332e-05
	H51	3.067285e-03	1.784208e-03	...	2.655151e-04	2.448750e-04
	H52	7.644665e-02	3.697022e-02	...	7.396501e-05	8.443201e-05
	H53	6.000504e-04	4.244358e-03	...	6.468225e-03	6.797482e-03
	K64	3.985580e-07	2.182770e-06	...	2.549602e-06	2.178789e-09
	K65	3.193712e-03	1.289041e-03	...	1.205081e-06	2.203049e-09

	K66	7.925668e-05	7.414249e-05	...	5.669492e-07	4.844924e-10
	L68	1.099622e-04	5.940872e-04	...	7.059527e-04	1.858226e-05
	M_N	2.021440e-02	6.689266e-02	...	3.058117e-01	4.705987e-02
	J62_63	9.500558e-04	1.482792e-03	...	1.720246e-06	5.714162e-04
	O84	3.805921e-03	3.609578e-03	...	9.089668e-03	4.899933e-03
	P85	8.285018e-05	1.233646e-04	...	3.205791e-04	6.787649e-05
	R_S	9.489368e-04	2.167402e-02	...	1.729272e-05	1.854677e-05
	T	0.000000e+00	0.000000e+00	...	6.645698e-06	6.597553e-06
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
IN	A01	1.506390e-03	3.917605e-04	...	1.035183e+01	1.033986e+01
	A02	4.171625e-02	0.000000e+00	...	2.705004e-05	1.752315e-06
	A03	0.000000e+00	0.000000e+00	...	5.773766e-08	0.000000e+00
	B_nongas	2.163566e-01	0.000000e+00	...	6.022586e+00	1.992554e+00
	B_gas	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	C10-12	1.036422e-01	8.690732e-03	...	6.847608e+00	6.612694e+00
	C13-15	4.190278e-01	8.842610e-02	...	3.080970e+00	3.379118e+00
	C16	2.078341e-03	2.531637e-03	...	1.438185e-02	7.801804e-03
	C17	1.396986e-01	5.928336e-02	...	3.159319e+00	4.310712e-01
	C18	2.184746e-02	2.494752e-01	...	2.679935e+00	9.789319e-01
	C19	1.689887e-02	6.867573e-03	...	2.679456e+01	2.951564e+01
	C24	4.958023e-02	6.128357e-03	...	4.141313e+00	4.264411e+00
	C20-21	9.451512e-01	4.347782e-01	...	1.113792e+00	1.113897e+00
	C22	1.622804e-01	4.057010e-01	...	6.896151e-01	5.328100e-01
	C23	9.473007e-03	2.312946e-03	...	5.386785e-01	4.945315e-01
	C25_33	5.790494e-03	5.165018e-03	...	7.434199e-01	1.474616e+00
	C25	1.117106e-02	2.377158e-03	...	8.832219e-01	1.701255e+00
	C26	6.715233e-04	1.127095e-03	...	4.213909e-02	5.779282e-02
	C27	7.490295e-02	1.684167e-02	...	2.222252e+00	2.523369e+00
	C28_32	2.849921e-02	5.446745e-03	...	5.717110e-02	5.197323e-02
	C29	5.696635e-03	1.189039e-02	...	7.918820e-01	7.562473e-01
	C30	1.844690e-03	4.593723e-03	...	5.184915e-01	7.067019e-01
	C31	2.446719e-02	1.488764e-02	...	1.201077e-01	1.371319e-01
	E37-39	3.441397e-05	5.040880e-06	...	6.780601e-05	7.814478e-05
	D35	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	F	2.637349e-06	2.209074e-06	...	1.742963e-01	1.539247e-01
	G45	8.167423e-05	4.805231e-05	...	8.481575e-02	8.554788e-02
	G47	1.163309e-04	2.270123e-04	...	1.448756e-02	1.382224e-02
	G46	2.423805e-02	6.709323e-03	...	2.833201e-02	2.529387e-02
	I	8.090965e-03	7.476623e-03	...	2.970023e-05	5.613723e-05
	H49	8.333101e-02	9.317228e-02	...	3.102192e-04	2.648752e-04
	H50	2.038267e-01	5.143779e-02	...	1.106604e-04	8.652231e-05
	H51	1.894003e-02	1.101706e-02	...	4.015790e-04	3.703330e-04
	H52	2.071494e-02	1.001777e-02	...	4.470194e-05	3.485864e-05
	H53	3.555292e-03	2.517665e-02	...	3.631298e-02	3.816415e-02
	K64	1.336031e-05	1.754215e-05	...	0.000000e+00	0.000000e+00
	K65	8.716066e-03	3.515435e-03	...	5.330728e-08	1.769640e-09
	K66	1.137246e-04	1.058082e-04	...	0.000000e+00	0.000000e+00

	L68	2.098109e-04	1.149065e-03	...	1.840953e-02	1.573206e-05
	M_N	2.033463e-01	6.013931e-01	...	4.006780e+00	8.122611e+00
	J62_63	1.255095e-03	1.957488e-03	...	0.000000e+00	6.839217e-01
	O84	1.666626e-05	1.467794e-04	...	3.317330e-11	4.255433e-11
	P85	3.343528e-07	3.026014e-07	...	7.227313e-08	2.796144e-08
	R_S	1.627824e-06	3.329521e-05	...	2.064203e-05	2.895198e-05
	T	0.000000e+00	0.000000e+00	...	9.240767e-06	9.173821e-06
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
MX	A01	7.454833e-06	1.617619e-05	...	2.670614e-01	2.670811e-01
	A02	3.522311e-04	0.000000e+00	...	1.203305e-07	7.795070e-09
	A03	2.709825e-04	6.844876e-05	...	1.792378e-06	1.335808e-06
	B_nongas	1.560089e-08	7.718054e-08	...	4.658999e-03	4.644647e-03
	B_gas	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	C10-12	3.010215e-02	1.918324e-03	...	1.621027e-01	1.823466e-01
	C13-15	8.013701e-02	3.167641e-02	...	2.138930e-02	2.245670e-02
	C16	2.939625e-04	1.855667e-04	...	2.974535e-04	3.409529e-04
	C17	5.261732e-02	1.218148e-02	...	2.029818e-02	4.083430e-03
	C18	1.929105e-03	1.168924e-01	...	8.801272e-02	3.423885e-02
	C19	3.829143e-04	7.144788e-04	...	8.176158e-04	1.181097e-03
	C24	5.367058e-02	3.424745e-03	...	1.387715e-01	1.373898e-01
	C20-21	2.450038e-01	9.666465e-02	...	2.984147e-02	3.272058e-02
	C22	1.015173e-02	2.617336e-02	...	3.324706e-02	3.120680e-02
	C23	2.850078e-04	5.192813e-05	...	2.237735e-03	2.077437e-03
	C25_33	1.711691e-03	7.543920e-04	...	2.868775e-02	5.820741e-02
	C25	1.184014e-03	3.893149e-04	...	7.520222e-02	1.540256e-01
	C26	3.503521e-02	5.726876e-02	...	7.944792e-02	1.080751e-01
	C27	2.661044e-02	6.123119e-03	...	2.246062e-01	2.794714e-01
	C28_32	3.731962e-02	4.168468e-03	...	3.671498e-02	2.984738e-02
	C29	5.919114e-03	3.640584e-03	...	2.597079e-01	2.240773e-01
	C30	3.492126e-04	1.994625e-04	...	6.213760e-02	8.363524e-02
	C31	1.128947e-02	8.032901e-03	...	1.701252e-02	2.140507e-02
	E37-39	1.872138e-04	2.067937e-05	...	3.629501e-04	9.699869e-05
	D35	1.035627e-07	1.750184e-08	...	1.175456e-05	2.454144e-05
	E36	4.497559e-07	3.087502e-08	...	5.188938e-05	1.084560e-04
	F	3.700532e-06	2.915777e-06	...	4.071368e-03	7.237871e-03
	G45	6.080084e-05	1.162928e-04	...	7.908751e-03	7.513563e-03
	G47	1.163415e-04	3.004717e-04	...	2.541415e-03	1.509079e-03
	G46	1.087766e-02	3.788525e-03	...	7.459935e-03	3.190298e-03
	I	5.771564e-03	5.390789e-03	...	3.536744e-04	7.528600e-05
	H49	2.182749e-02	2.440302e-02	...	7.476083e-04	1.126866e-03
	H50	5.820598e-02	1.469000e-02	...	1.138699e-04	8.909684e-05
	H51	9.356169e-03	5.455113e-03	...	4.724844e-04	4.992136e-04
	H52	5.087377e-03	2.461988e-03	...	4.736160e-05	3.692577e-05
	H53	1.448874e-04	2.317928e-04	...	5.787274e-03	6.358942e-03
	K64	1.827536e-05	2.399563e-05	...	0.000000e+00	0.000000e+00
	K65	7.105267e-06	2.865754e-06	...	5.572234e-08	1.849813e-09
	K66	6.038603e-05	5.618252e-05	...	0.000000e+00	0.000000e+00
	L68	9.501959e-05	5.065175e-04	...	2.593562e-04	5.839509e-06

	M_N	1.775282e-02	5.871031e-02	...	3.145042e-01	1.650110e-02
	J62_63	7.216521e-03	1.126867e-02	...	1.383198e-04	1.899497e-02
	O84	1.705193e-05	1.501759e-04	...	3.467181e-11	4.447660e-11
	P85	6.148172e-06	1.925830e-05	...	1.016724e-04	5.981869e-06
	R_S	1.485043e-04	4.652740e-04	...	2.224607e-03	1.596399e-04
	T	0.000000e+00	0.000000e+00	...	1.026568e-05	1.019131e-05
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
RU	A01	1.877974e-02	8.372228e-03	...	1.180912e+01	3.250283e+01
	A02	1.012706e-02	6.478524e-03	...	6.859355e-02	6.494945e-02
	A03	7.880043e-04	2.272938e-04	...	6.066330e-04	8.523017e-04
	B_nongas	3.544338e-01	6.307709e-02	...	1.383799e+01	1.399909e+01
	B_gas	4.646289e-03	1.005282e-02	...	1.630162e-01	1.809615e-01
	C10-12	1.863705e-02	9.086333e-03	...	1.209878e+00	1.257976e+00
	C13-15	2.493402e-02	9.162837e-03	...	2.649077e-02	2.421511e-02
	C16	2.375732e-02	2.270643e-02	...	1.898560e-01	8.716648e-02
	C17	1.996238e+00	4.329641e-01	...	1.388472e+00	2.552460e-01
	C18	1.362121e-03	1.466819e-01	...	6.104621e+00	2.483185e+00
	C19	2.438442e-02	1.047909e-01	...	2.968654e+00	3.357338e+00
	C24	1.523562e-01	3.357950e-02	...	2.515483e+00	2.429221e+00
	C20-21	4.322008e-01	1.755586e-01	...	2.280792e-01	2.348411e-01
	C22	3.213773e-02	9.827171e-02	...	2.984028e-02	2.548767e-02
	C23	7.425494e-03	3.524454e-03	...	2.219611e-02	1.154045e-02
	C25_33	1.894395e-02	1.358499e-02	...	1.394885e-01	1.379078e-01
	C25	1.077841e-02	6.111464e-03	...	9.449059e-02	1.624592e-01
	C26	1.978164e-03	3.249485e-03	...	2.835912e-02	3.873431e-02
	C27	6.954950e-03	1.206345e-03	...	9.277521e-02	1.053715e-01
	C28_32	4.744346e-03	6.799286e-04	...	2.593132e-02	1.930420e-02
	C29	1.191938e-03	5.459344e-04	...	3.657197e-02	2.785995e-02
	C30	1.375537e-03	5.832786e-04	...	9.628540e-02	1.152581e-01
	C31	1.123047e-02	7.389046e-03	...	7.223724e-03	4.274892e-03
	E37-39	1.358801e-02	7.269333e-03	...	3.676848e-02	1.837717e-02
	D35	7.297720e-03	8.080830e-03	...	2.757591e-02	3.082807e-02
	E36	3.150058e-05	1.999963e-05	...	2.727279e-04	5.453733e-04
	F	1.159450e-01	9.977049e-02	...	3.168699e-01	2.910753e-01
	G45	8.028622e-03	9.866534e-03	...	5.728525e-02	5.547635e-02
	G47	4.027859e-02	2.018510e-02	...	1.199466e-01	7.161306e-02
	G46	1.545399e-01	1.067521e-01	...	1.004291e+00	6.862315e-01
	I	2.607234e-02	2.594076e-02	...	6.488306e-01	1.223129e+00
	H49	1.118175e+00	1.179009e+00	...	7.134825e-01	6.589990e-01
	H50	4.391226e+00	1.127251e+00	...	1.737508e-01	1.836733e-01
	H51	1.429257e-01	8.319212e-02	...	1.614209e+01	1.488713e+01
	H52	8.351633e-01	4.075965e-01	...	9.666095e-01	8.884178e-01
	H53	1.438962e-02	9.020658e-02	...	7.089747e-01	6.307005e-01
	K64	1.870032e-01	2.456486e-01	...	5.304907e-05	3.979457e-05
	K65	1.598904e-02	6.518290e-03	...	1.609934e-04	8.724912e-06
	K66	1.272868e-02	1.236154e-02	...	1.767528e-04	1.259778e-04
	L68	3.121551e-04	1.287909e-03	...	6.901331e-03	3.084558e-04
	M_N	4.745809e-01	1.319576e+00	...	2.762299e+00	1.943367e-01

AU	J62_63	2.508587e-02	3.912476e-02	...	0.000000e+00	1.095182e+00
	O84	1.315300e-02	1.141681e-02	...	2.072402e-01	1.460112e-01
	P85	3.181043e-04	1.299553e-03	...	4.833173e-02	2.321888e-02
	R_S	1.254633e-03	1.326056e-02	...	8.616626e-02	3.818388e-02
	T	0.000000e+00	0.000000e+00	...	1.188592e-06	1.179981e-06
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	A01	9.515472e-04	5.594530e-04	...	1.486489e+01	1.611182e+01
	A02	3.817032e-06	1.029514e-05	...	1.216202e-04	1.298637e-04
	A03	3.215473e-05	1.211330e-05	...	8.531090e-05	1.089358e-04
	B_nongas	4.038557e-01	3.617927e-02	...	1.108161e+00	9.781808e-01
	B_gas	1.080569e-03	3.027516e-03	...	1.607275e-02	3.605431e-03
	C10-12	6.888438e-03	1.199561e-03	...	1.264163e+00	1.255265e+00
	C13-15	6.589504e-03	3.320428e-04	...	3.969594e-02	4.353601e-02
	C16	1.892358e-03	8.788433e-04	...	5.928906e-03	1.156687e-03
	C17	1.503180e-01	3.311640e-02	...	3.482627e-01	3.800661e-02
	C18	6.001719e-03	1.405173e-01	...	1.539635e-01	5.905059e-02
	C19	5.882019e-05	2.938840e-04	...	2.256016e-03	1.817299e-03
	C24	4.157888e-03	2.279378e-03	...	4.059608e-01	3.448662e-01
	C20-21	5.225972e-02	2.094081e-02	...	1.480458e-02	1.515560e-02
	C22	3.937664e-03	1.213966e-02	...	5.159664e-02	3.955851e-02
	C23	1.776760e-04	4.222086e-04	...	4.252896e-03	2.231095e-03
	C25_33	4.874812e-04	1.174907e-03	...	2.678662e-02	5.400893e-02
	C25	1.956180e-03	5.457331e-04	...	8.731645e-02	1.791611e-01
	C26	1.820680e-03	3.082267e-03	...	1.156819e-02	1.554503e-02
	C27	7.886090e-03	1.697868e-03	...	6.349950e-02	6.701631e-02
	C28_32	5.678998e-03	8.132146e-04	...	4.842627e-03	3.225017e-03
	C29	1.869383e-04	5.009409e-04	...	7.363393e-02	5.744360e-02
	C30	1.289281e-04	3.451248e-04	...	1.552344e-02	1.911165e-02
	C31	2.246099e-03	1.653200e-03	...	4.098809e-04	1.803275e-04
	E37-39	9.297290e-04	1.590453e-04	...	1.683838e-03	1.044199e-03
	D35	1.135940e-04	3.192951e-04	...	1.227646e-02	1.383265e-02
	E36	1.353913e-05	3.722850e-05	...	5.619437e-04	3.643165e-04
	F	3.131632e-03	8.355143e-03	...	3.677329e-01	2.935291e-01
	G45	1.722308e-03	1.548220e-03	...	1.615074e-01	1.619058e-01
	G47	2.455854e-03	2.470645e-03	...	1.652804e-01	1.627816e-01
	G46	4.524594e-02	5.840167e-02	...	3.071604e-01	4.484315e-01
	I	4.112785e-02	3.803404e-02	...	1.738221e-04	1.357409e-03
	H49	1.678412e-01	1.775916e-01	...	3.704763e-03	1.120213e-02
	H50	2.543340e-01	6.419519e-02	...	1.598172e-04	3.006203e-04
	H51	4.888458e-02	2.846281e-02	...	6.131692e-03	3.958401e-03
	H52	4.296702e-02	2.088628e-02	...	5.074022e-04	1.299886e-02
	H53	1.738003e-03	1.015363e-02	...	5.270632e-02	3.864941e-01
	K64	6.209250e-04	1.602135e-03	...	6.719591e-03	2.067904e-03
	K65	1.202783e-04	2.484536e-04	...	8.664785e-04	3.751875e-02
	K66	3.314747e-04	6.897667e-04	...	3.467338e-03	2.264266e-02
	L68	2.894053e-04	1.563414e-03	...	2.173560e-03	3.236437e-03
	M_N	6.833219e-02	2.061284e-01	...	1.174058e+00	1.133727e-01
	J62_63	1.976037e-03	3.659237e-03	...	4.437332e-03	2.997190e+00

	084	4.453375e-04	1.332523e-03	...	4.872977e-03	9.151388e-02
	P85	3.828430e-04	1.055820e-03	...	4.852178e-03	2.106913e-02
	R_S	2.534798e-03	4.289305e-02	...	4.282159e-03	8.293961e-03
	T	9.444200e-07	2.594502e-06	...	1.205655e-05	1.500439e-06
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
CH	A01	2.192066e-04	6.731449e-04	...	2.028848e-02	2.056010e-02
	A02	7.540213e-01	0.000000e+00	...	3.163997e-07	2.049654e-08
	A03	0.000000e+00	0.000000e+00	...	1.746789e-09	0.000000e+00
	B_nongas	4.930108e-02	1.636701e-04	...	9.663499e-01	1.002629e+00
	B_gas	8.821560e-07	1.102663e-06	...	2.524812e-07	9.239809e-08
	C10-12	4.210962e-01	2.112048e-01	...	7.735035e-01	7.926974e-01
	C13-15	4.088223e-01	3.049306e-02	...	9.032306e-02	9.892138e-02
	C16	2.675806e-02	2.723317e-02	...	4.457840e-03	1.965333e-03
	C17	2.424507e+01	5.317558e+00	...	9.359343e-02	1.156354e-02
	C18	7.753837e-02	9.639356e+00	...	2.445929e+00	9.946776e-01
	C19	2.120909e-02	3.484883e-01	...	2.816632e-01	3.012692e-01
	C24	1.831258e-01	1.955206e-02	...	5.712469e-01	5.516097e-01
	C20-21	1.868213e+01	7.352757e+00	...	5.650675e-02	5.799580e-02
	C22	9.426698e-01	2.911403e+00	...	5.496658e-02	4.298322e-02
	C23	9.803074e-03	3.747413e-03	...	3.751102e-02	3.745000e-02
	C25_33	1.480699e-02	5.747195e-02	...	9.947517e-02	2.271820e-01
	C25	1.233060e-01	2.395167e-02	...	2.338662e-01	4.878622e-01
	C26	1.562596e-01	2.647714e-01	...	2.770788e-02	3.807783e-02
	C27	3.980371e-01	1.577498e-01	...	3.243514e-01	3.352921e-01
	C28_32	6.342246e-01	6.648288e-02	...	2.601426e-01	1.987141e-01
	C29	1.454999e-05	5.229331e-06	...	6.003315e-03	4.717619e-03
	C30	2.415717e-03	2.125012e-03	...	2.588776e-02	3.479766e-02
	C31	1.006769e-01	7.079191e-02	...	3.120033e-03	2.983059e-03
	E37-39	1.731914e-02	1.068130e-02	...	2.574836e-03	3.395396e-04
	D35	2.043249e-03	4.732053e-03	...	1.118395e-03	2.446989e-04
	E36	1.974974e-03	4.666130e-03	...	1.111158e-03	2.415075e-04
	F	8.065378e-02	8.711196e-02	...	5.270688e-02	5.181679e-02
	G45	8.962091e-03	1.263670e-02	...	1.823590e-02	1.702285e-02
	G47	3.804647e-01	4.083645e-01	...	1.163700e-01	1.375700e-01
	G46	5.693943e-01	4.915348e-01	...	1.300978e-01	1.535484e-01
	I	1.758734e-01	1.753129e-01	...	4.592282e-03	6.461491e-04
	H49	4.390300e+00	4.757322e+00	...	7.628518e-03	4.184681e-03
	H50	1.485339e+00	3.852641e-01	...	2.237173e-03	1.218659e-03
	H51	2.086302e-01	1.269121e-01	...	3.454133e-03	1.934932e-03
	H52	1.474302e+00	7.605339e-01	...	6.369753e-03	4.100104e-03
	H53	1.117385e-01	4.773537e-01	...	5.665637e-02	2.200974e-01
	K64	2.023713e-01	2.716450e-01	...	2.150810e-03	1.529466e-03
	K65	8.206849e-01	3.344040e-01	...	9.086570e-04	7.370758e-04
	K66	6.165122e-03	1.346781e-02	...	2.437516e-03	1.662658e-03
	L68	6.339767e-03	3.219302e-02	...	8.086662e-03	3.140849e-05
	M_N	3.567626e+00	1.018134e+01	...	2.133482e+00	2.828656e-01
	J62_63	2.000523e-01	3.199251e-01	...	2.538843e-03	6.316254e+00
	084	2.223605e-01	1.129475e-01	...	2.450116e-03	8.351393e-03

TR	P85	2.260849e-02	6.155169e-02	...	6.478053e-03	6.063773e-03
	R_S	2.300906e-02	3.943860e-01	...	4.404030e-03	1.903036e-03
	T	4.959829e-04	3.988407e-04	...	1.370681e-04	5.974075e-05
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	A01	5.911789e-02	1.298893e-02	...	6.561680e+00	6.730742e+00
	A02	2.790753e-03	2.066764e-05	...	6.034850e-05	8.179104e-05
	A03	1.612852e-04	4.169615e-05	...	3.080459e-06	3.832964e-06
	B_nongas	3.227940e-01	4.882604e-05	...	2.085139e+00	2.502114e+00
	B_gas	2.291089e-07	5.903283e-08	...	1.348961e-06	1.333198e-06
	C10-12	1.928702e-01	1.063202e-02	...	5.408026e+00	6.064153e+00
	C13-15	7.435405e-01	6.354422e-02	...	4.645264e+00	4.992239e+00
	C16	1.307836e-02	9.056571e-03	...	1.141444e-01	6.877064e-02
	C17	1.384706e+00	3.256355e-01	...	5.924517e+00	7.444367e-01
	C18	3.345421e-02	8.716755e-01	...	1.394715e+00	5.369434e-01
	C19	2.656997e-03	6.506383e-03	...	2.553785e+00	2.456528e+00
	C24	8.154864e-02	3.570169e-02	...	8.937142e-01	8.954463e-01
	C20-21	4.288540e-01	1.808610e-01	...	1.085734e+00	8.583608e-01
	C22	3.551207e-01	1.057315e+00	...	1.350348e+00	1.040361e+00
	C23	1.308799e-02	4.761573e-03	...	3.009959e-01	2.720064e-01
	C25_33	2.612071e-02	2.168291e-02	...	1.273855e+00	2.094165e+00
	C25	2.126428e-02	9.947903e-03	...	9.776405e-01	1.833954e+00
	C26	4.236710e-04	7.053408e-04	...	1.258760e-02	1.726815e-02
	C27	6.555740e-02	1.386565e-02	...	1.017389e+00	1.039111e+00
	C28_32	7.837171e-03	1.099476e-03	...	2.465108e-02	2.043504e-02
	C29	5.592939e-03	8.629428e-03	...	4.308193e-01	3.846342e-01
	C30	4.068264e-04	3.409094e-04	...	8.454259e-02	1.102110e-01
	C31	2.817086e-03	1.687964e-03	...	4.341886e-02	7.208869e-02
	E37-39	2.971163e-04	6.993174e-05	...	6.968571e-04	4.892382e-04
	D35	1.525000e-02	2.366527e-03	...	2.297728e-01	2.298241e-01
	E36	8.253260e-04	1.610406e-03	...	2.006059e-02	3.974946e-02
	F	7.278680e-03	5.780673e-03	...	1.853104e-03	2.570220e-03
	G45	7.439952e-03	8.481694e-03	...	1.062062e-01	1.577560e-01
	G47	3.495396e-03	6.323319e-03	...	4.358771e-02	8.646012e-02
	G46	1.369310e-02	1.534353e-02	...	2.753097e-02	1.834100e-02
	I	1.602776e-01	1.482728e-01	...	3.313417e-01	6.253168e-01
	H49	1.739329e+00	1.873836e+00	...	5.218461e-04	4.024371e-04
	H50	5.067600e-01	1.299396e-01	...	1.866400e-04	2.479155e-04
	H51	6.752526e-02	4.258271e-02	...	2.692031e+00	2.483593e+00
	H52	2.649633e-01	1.308141e-01	...	1.167285e-03	9.558689e-04
	H53	5.730246e-03	3.907308e-02	...	4.547876e-01	5.160568e-01
	K64	1.161534e-02	1.531022e-02	...	4.973673e-03	1.152749e-02
	K65	5.972432e-03	2.414269e-03	...	4.258667e-05	9.483279e-05
	K66	2.454069e-04	2.323534e-04	...	1.624958e-04	2.315449e-04
	L68	3.768666e-04	2.053446e-03	...	6.582317e-03	1.594355e-05
	M_N	1.279668e-01	4.307850e-01	...	2.896574e-01	2.592107e-02
	J62_63	2.437961e-03	3.822972e-03	...	6.343937e-05	3.427999e-01
	O84	1.506177e-04	1.295100e-03	...	3.190418e-04	4.625066e-04
	P85	8.828517e-04	7.721341e-04	...	1.052793e-03	1.142572e-03

TW	R_S	1.416952e-03	7.330751e-03	...	1.241887e-02	1.399493e-02
	T	0.000000e+00	0.000000e+00	...	1.030653e-05	1.023186e-05
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	A01	4.593443e-06	1.001736e-05	...	9.757255e-01	9.717413e-01
	A02	2.651228e-03	0.000000e+00	...	9.448284e-07	6.120647e-08
	A03	0.000000e+00	0.000000e+00	...	8.846347e-10	0.000000e+00
	B_nongas	7.477093e-03	0.000000e+00	...	3.301460e-01	3.227508e-01
	B_gas	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	C10-12	5.605835e-03	2.052207e-04	...	1.671678e-01	1.900092e-01
	C13-15	9.179451e-02	3.450849e-03	...	1.686571e+00	1.872816e+00
	C16	2.739730e-03	2.641004e-03	...	3.645304e-02	1.647768e-02
	C17	6.435901e-01	1.413189e-01	...	1.303812e+00	1.462644e-01
	C18	6.954939e-03	9.196886e-01	...	1.130453e+00	4.597772e-01
	C19	4.575495e-04	8.022377e-03	...	2.657657e-01	3.021187e-01
	C24	1.637841e-02	1.016112e-03	...	4.835500e-01	4.652047e-01
	C20-21	4.053587e-01	1.591485e-01	...	3.272397e-01	3.447685e-01
	C22	9.658294e-02	2.983297e-01	...	5.193793e-01	4.001493e-01
	C23	4.248239e-04	0.000000e+00	...	5.744321e-02	4.794605e-02
	C25_33	4.370672e-04	1.936732e-03	...	4.166937e-01	9.573662e-01
	C25	1.231275e-02	6.985001e-04	...	8.828373e-01	1.846693e+00
	C26	4.858352e-02	8.144118e-02	...	3.019631e-01	4.141287e-01
	C27	1.288514e-01	1.715078e-02	...	1.661163e+00	1.940448e+00
	C28_32	4.211820e-02	4.354858e-03	...	3.564417e-02	2.716828e-02
	C29	0.000000e+00	0.000000e+00	...	2.438902e-01	1.916839e-01
	C30	0.000000e+00	0.000000e+00	...	1.447939e-01	1.947194e-01
	C31	3.756593e-02	2.658254e-02	...	2.793348e-04	2.791836e-04
	E37-39	2.649209e-03	7.102673e-05	...	2.479861e-04	5.656342e-07
	D35	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	F	3.796246e-04	3.179780e-04	...	2.659754e-02	2.348884e-02
	G45	7.764625e-06	4.568249e-06	...	1.818818e-02	1.834518e-02
	G47	1.223997e-05	2.420219e-05	...	3.461021e-03	3.302116e-03
	G46	1.790532e-03	4.956365e-04	...	4.872717e-03	4.350199e-03
	I	3.059784e-03	2.827456e-03	...	2.704881e-05	5.112571e-05
	H49	1.063808e-01	1.180790e-01	...	2.807686e-04	2.397250e-04
	H50	2.305063e-02	5.835270e-03	...	9.874380e-05	7.678485e-05
	H51	2.606004e-03	1.515863e-03	...	3.565982e-04	3.288520e-04
	H52	2.768585e-02	1.338891e-02	...	4.020711e-05	3.135357e-05
	H53	2.948319e-04	2.087840e-03	...	3.621694e-03	3.806322e-03
	K64	3.631260e-06	4.767863e-06	...	0.000000e+00	0.000000e+00
	K65	5.227245e-03	2.108295e-03	...	4.847865e-08	1.609344e-09
	K66	1.287001e-04	1.197412e-04	...	0.000000e+00	0.000000e+00
	L68	2.334749e-04	1.278665e-03	...	3.359798e-03	2.871150e-06
	M_N	5.270865e-02	1.466437e-01	...	1.499555e-01	7.568909e-02
	J62_63	4.786267e-04	7.464821e-04	...	0.000000e+00	1.455411e-01
	O84	1.117669e-05	9.843287e-05	...	3.010940e-11	3.862399e-11
	P85	9.158132e-08	8.288441e-08	...	3.999266e-09	1.547259e-09
	R_S	3.874019e-07	8.373254e-06	...	1.859404e-05	2.549938e-05

	T	0.000000e+00	0.000000e+00	...	8.922494e-06	8.857854e-06
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
NO	A01	9.849941e-07	1.324385e-06	...	3.882790e-03	3.793874e-03
	A02	1.728247e-03	2.847355e-07	...	2.500221e-04	2.424818e-04
	A03	2.873201e-04	1.411022e-05	...	1.189765e-03	1.345023e-03
	B_nongas	2.635388e-02	4.464540e-04	...	7.995838e-02	1.158239e-01
	B_gas	6.124101e-03	1.809867e-03	...	3.187975e-02	3.329218e-02
	C10-12	6.306564e-02	4.188276e-03	...	2.486962e-01	2.822275e-01
	C13-15	1.993476e-02	1.182371e-03	...	6.155780e-03	6.897059e-03
	C16	8.665937e-04	8.046887e-04	...	4.295228e-03	2.260876e-03
	C17	3.306237e+00	7.258441e-01	...	1.018961e-01	1.809750e-02
	C18	1.495451e-02	7.839615e-02	...	2.826600e-02	1.161841e-02
	C19	7.990109e-04	1.177750e-03	...	3.500724e-01	3.966012e-01
	C24	2.211894e-01	5.183265e-02	...	7.275999e-02	6.276784e-02
	C20-21	1.364870e-03	4.788942e-04	...	3.766051e-02	3.992021e-02
	C22	6.204366e-02	1.322530e-01	...	2.924829e-02	2.246057e-02
	C23	1.251125e-03	1.062986e-03	...	2.177854e-03	3.909177e-03
	C25_33	2.251738e-03	1.978976e-03	...	2.075248e-02	4.322570e-02
	C25	1.148678e-02	2.263614e-03	...	2.019577e-01	3.529117e-01
	C26	8.202345e-05	9.032056e-05	...	3.386315e-03	4.643718e-03
	C27	3.541805e-03	6.995844e-04	...	4.956964e-02	5.211234e-02
	C28_32	6.957876e-03	9.444332e-04	...	8.491336e-03	7.237646e-03
	C29	1.027887e-03	8.398826e-04	...	5.792321e-03	5.206492e-03
	C30	1.026443e-03	2.858424e-04	...	4.796990e-02	6.298198e-02
	C31	3.311776e-03	2.016075e-03	...	7.277173e-04	1.449976e-03
	E37-39	1.606985e-03	5.775934e-05	...	4.498131e-04	1.292727e-06
	D35	1.984801e-04	1.231709e-04	...	8.042212e-04	9.149641e-04
	E36	2.056351e-06	1.770320e-06	...	2.710091e-08	1.951705e-08
	F	3.840717e-03	3.086609e-03	...	5.185987e-03	8.563852e-03
	G45	1.600257e-04	1.950816e-04	...	2.814704e-04	3.038073e-04
	G47	1.755272e-03	1.538577e-03	...	2.155874e-03	2.186371e-03
	G46	1.088055e-02	6.421477e-03	...	1.287218e-02	1.305824e-02
	I	2.592135e-02	2.397968e-02	...	5.322954e-05	1.016459e-04
	H49	7.198352e-01	8.015360e-01	...	1.254628e-03	1.046004e-03
	H50	3.778606e-02	2.463378e-02	...	3.242621e-03	2.295500e-04
	H51	1.582017e-02	1.161029e-02	...	2.728795e-03	2.112513e-03
	H52	2.949245e-01	1.438840e-01	...	5.299380e-04	2.724465e-04
	H53	5.682672e-03	3.915980e-02	...	8.706282e-03	9.530536e-03
	K64	2.467870e-04	3.142290e-04	...	1.851827e-10	1.501480e-10
	K65	6.963564e-03	2.810508e-03	...	8.804211e-08	2.922731e-09
	K66	1.839996e-04	1.711913e-04	...	0.000000e+00	0.000000e+00
	L68	3.338348e-04	1.802663e-03	...	2.558695e-03	2.661545e-05
	M_N	1.606042e-01	4.665413e-01	...	8.913214e-02	8.046598e-03
	J62_63	6.314966e-03	9.769641e-03	...	1.763365e-05	3.754135e-03
	O84	1.452443e-04	5.845707e-04	...	7.184331e-05	3.647783e-06
	P85	4.378074e-04	3.963075e-04	...	1.855132e-08	1.320090e-08
	R_S	2.120440e-04	5.768875e-04	...	1.187232e-04	1.119434e-04
	T	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00

	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
ID	A01	1.506921e-04	3.286289e-04	...	1.103294e+00	1.102405e+00
	A02	5.557964e-04	0.000000e+00	...	6.826255e-06	4.422083e-07
	A03	0.000000e+00	0.000000e+00	...	1.318737e-08	0.000000e+00
	B_nongas	1.475972e-03	0.000000e+00	...	7.060222e-02	7.382918e-02
	B_gas	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	C10-12	1.313746e-02	6.035390e-04	...	1.410223e+00	1.478559e+00
	C13-15	1.354154e-01	2.283706e-02	...	6.455537e-01	7.179674e-01
	C16	6.524431e-04	6.289323e-04	...	4.065142e-02	1.837545e-02
	C17	3.624876e-02	7.959467e-03	...	3.130212e+00	9.896474e-01
	C18	4.388341e-04	5.802937e-02	...	9.024574e-01	3.670470e-01
	C19	1.888496e-04	3.734930e-03	...	3.443050e-03	3.042920e-03
	C24	2.324582e-02	1.406916e-03	...	7.092876e-02	6.952078e-02
	C20-21	4.234601e-02	1.662764e-02	...	2.197446e-02	2.282050e-02
	C22	1.959103e-02	6.051364e-02	...	1.492849e-01	1.150147e-01
	C23	5.877735e-06	0.000000e+00	...	8.882767e-03	7.418455e-03
	C25_33	1.534986e-05	6.801831e-05	...	2.151182e-02	4.942405e-02
	C25	9.962326e-04	5.651609e-05	...	6.085694e-02	1.272987e-01
	C26	1.405264e-02	2.355663e-02	...	4.348434e-02	5.963679e-02
	C27	1.024497e-02	1.363658e-03	...	1.021421e-01	1.104665e-01
	C28_32	1.614104e-03	1.668921e-04	...	2.061351e-03	1.571179e-03
	C29	0.000000e+00	0.000000e+00	...	3.592705e-01	2.823663e-01
	C30	0.000000e+00	0.000000e+00	...	8.609322e-02	1.157785e-01
	C31	1.263111e-02	8.938070e-03	...	8.325249e-05	8.320741e-05
	E37-39	1.087415e-05	6.369023e-08	...	1.691769e-07	2.329840e-08
	D35	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	F	0.000000e+00	0.000000e+00	...	1.687818e-05	1.490547e-05
	G45	8.047295e-06	4.734555e-06	...	2.283329e-03	2.303039e-03
	G47	1.151623e-05	2.272529e-05	...	3.910352e-04	3.730460e-04
	G46	2.205657e-03	6.105471e-04	...	7.177064e-04	6.407443e-04
	I	3.994244e-03	3.690963e-03	...	1.874830e-05	3.543668e-05
	H49	2.211381e-02	2.457231e-02	...	1.955432e-04	1.669613e-04
	H50	4.187471e-02	1.237255e-02	...	6.912226e-05	5.398677e-05
	H51	5.959240e-03	3.466377e-03	...	2.510563e-04	2.315222e-04
	H52	9.696321e-03	4.689151e-03	...	2.794063e-05	2.178815e-05
	H53	0.000000e+00	0.000000e+00	...	3.122497e-04	3.281676e-04
	K64	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
	K65	0.000000e+00	0.000000e+00	...	3.383203e-08	1.123121e-09
	K66	3.163436e-05	2.943228e-05	...	0.000000e+00	0.000000e+00
	L68	5.754997e-05	3.151822e-04	...	1.651907e-05	1.411654e-08
	M_N	3.356476e-03	1.059001e-02	...	3.583746e-02	2.087723e-03
	J62_63	0.000000e+00	0.000000e+00	...	0.000000e+00	5.423229e-04
	O84	1.050654e-05	9.253089e-05	...	2.088646e-11	2.679291e-11
	P85	0.000000e+00	0.000000e+00	...	2.536266e-09	9.812450e-10
	R_S	0.000000e+00	0.000000e+00	...	1.292656e-05	1.738753e-05
	T	0.000000e+00	0.000000e+00	...	5.924325e-06	5.881406e-06
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00

ZA	A01	7.364290e-06	1.605218e-05	...	2.419115e+00	2.417564e+00
	A02	6.488665e-03	0.000000e+00	...	9.050819e-06	5.863167e-07
	A03	0.000000e+00	0.000000e+00	...	4.719213e-10	0.000000e+00
	B_nongas	4.953100e-02	4.561520e-03	...	9.779150e+00	9.823119e+00
	B_gas	4.730815e-04	1.454347e-03	...	7.540752e-03	7.062299e-03
	C10-12	1.640885e-02	3.120462e-03	...	4.290832e-01	4.570664e-01
	C13-15	2.598512e-03	1.550415e-03	...	2.159863e-02	2.306176e-02
	C16	3.007766e-04	4.436279e-04	...	1.227157e-03	1.375955e-03
	C17	3.386163e-02	1.051946e-02	...	8.057300e-02	6.305744e-02
	C18	7.179479e-04	1.687590e-02	...	1.085276e-01	4.729463e-02
	C19	3.132970e-03	9.074541e-03	...	3.138336e-02	3.064632e-02
	C24	1.465596e-02	1.074965e-03	...	3.324669e-01	3.295708e-01
	C20-21	7.982406e-02	3.254320e-02	...	2.272269e-02	2.331757e-02
	C22	1.165421e-02	3.560761e-02	...	1.659396e-02	1.358666e-02
	C23	4.059527e-04	5.556152e-04	...	2.690678e-03	2.639466e-03
	C25_33	8.968894e-04	2.136507e-03	...	3.028596e-02	6.190224e-02
	C25	2.789134e-03	5.711417e-03	...	4.283034e-02	8.281359e-02
	C26	4.440533e-04	8.450594e-04	...	1.271340e-02	1.705360e-02
	C27	2.869305e-03	2.444993e-03	...	4.285533e-02	5.102062e-02
	C28_32	3.624001e-03	5.933237e-04	...	3.644200e-03	2.922199e-03
	C29	2.507904e-03	7.081337e-03	...	5.792710e-02	5.561117e-02
	C30	5.754505e-04	1.426984e-03	...	3.219795e-03	4.041499e-03
	C31	1.837820e-03	9.501328e-04	...	5.078158e-03	5.896548e-03
	E37-39	3.357219e-04	1.057977e-03	...	2.971768e-03	2.845499e-03
	D35	4.453097e-08	2.156689e-07	...	2.119667e-07	1.867971e-10
	E36	2.935851e-08	3.923314e-08	...	3.246901e-09	2.715540e-11
	F	3.429439e-06	3.456274e-06	...	1.974452e-03	1.743680e-03
	G45	1.418575e-05	7.984363e-06	...	6.368129e-03	6.422453e-03
	G47	9.155173e-04	3.003001e-03	...	2.742855e-03	2.050418e-03
	G46	5.383780e-03	8.873768e-03	...	6.424805e-03	7.231203e-03
	I	9.145115e-03	8.450650e-03	...	2.843330e-05	5.185449e-05
	H49	1.391580e+00	1.548007e+00	...	4.339035e-03	3.431333e-03
	H50	5.714774e-01	1.442302e-01	...	4.507411e-05	3.667589e-05
	H51	2.009072e-02	1.168649e-02	...	5.265660e-04	5.598002e-04
	H52	5.144678e-01	2.426065e-01	...	1.266700e-04	9.786878e-05
	H53	7.921342e-04	5.609346e-03	...	1.645869e-02	1.729734e-02
	K64	1.285520e-05	3.008641e-05	...	1.776350e-05	1.517998e-08
	K65	4.128449e-03	1.681719e-03	...	1.837432e-05	1.738129e-08
	K66	5.646177e-05	5.253143e-05	...	0.000000e+00	0.000000e+00
	L68	1.450980e-03	5.002375e-03	...	2.871301e-03	2.934853e-03
	M_N	1.007905e-01	3.336802e-01	...	1.854512e-01	4.542646e-02
	J62_63	1.302776e-06	2.642500e-06	...	1.172191e-06	7.698229e-02
	O84	1.211072e-05	1.066588e-04	...	2.456708e-11	3.151437e-11
	P85	4.266760e-07	3.427369e-07	...	1.577953e-07	1.185876e-07
	R_S	1.151775e-06	2.364104e-05	...	1.167071e-05	1.521829e-05
	T	1.570002e-02	1.632180e-02	...	7.532394e-03	7.980180e-03
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
WA	A01	1.126103e-01	2.244012e-01	...	2.989366e+01	3.069793e+01

	A02	3.817168e-02	4.966038e-03	...	8.490938e-02	8.148171e-02
	A03	3.938704e-03	2.200228e-02	...	9.751543e-02	9.476476e-02
	B_nongas	6.793047e-02	3.488636e-02	...	1.124986e+00	1.231582e+00
	B_gas	3.983580e-03	8.406656e-03	...	5.676423e-01	5.953454e-01
	C10-12	5.969192e-01	5.244722e-02	...	5.774966e+00	6.155693e+00
	C13-15	9.320328e-01	5.573322e-02	...	1.491492e+00	1.638483e+00
	C16	2.922880e-03	3.331825e-03	...	1.030010e-01	5.915963e-02
	C17	6.506680e-01	2.387680e-01	...	1.291712e+00	3.161951e-01
	C18	6.206880e-02	7.239871e+00	...	5.281637e+00	2.117768e+00
	C19	2.641462e-01	1.214385e-01	...	2.317476e+00	2.535099e+00
	C24	1.286398e-01	3.361121e-02	...	3.172818e+00	3.106260e+00
	C20-21	3.912187e+00	1.536824e+00	...	1.341806e-02	1.346710e-02
	C22	8.162658e-01	2.516709e+00	...	1.517815e+00	1.178884e+00
	C23	1.197825e-02	2.043586e-02	...	3.093520e-01	2.900037e-01
	C25_33	1.206670e-02	3.115653e-02	...	8.786543e-01	1.892619e+00
	C25	4.531272e-02	1.766667e-02	...	2.007525e+00	4.096689e+00
	C26	1.420019e-01	3.005259e-01	...	1.133829e+00	1.508854e+00
	C27	3.251806e-01	8.144901e-02	...	2.373635e+00	2.854501e+00
	C28_32	7.629051e-02	3.087786e-02	...	6.609713e-02	5.658434e-02
	C29	5.827176e-03	1.245937e-02	...	2.106108e+00	1.677840e+00
	C30	3.058120e-03	7.318105e-03	...	7.893871e-01	1.050380e+00
	C31	8.014335e-02	7.470631e-02	...	6.250238e-02	5.143489e-02
	E37-39	2.649881e-02	2.316390e-02	...	2.255492e-01	1.483498e-01
	D35	1.584801e-02	2.330098e-02	...	2.733657e-01	2.370915e-01
	E36	1.023849e-03	6.824392e-04	...	2.732071e-02	2.818240e-02
	F	5.921285e-02	5.984422e-02	...	6.782129e-01	5.787556e-01
	G45	1.858598e-02	5.262744e-02	...	1.364001e+00	1.328378e+00
	G47	5.667006e-02	8.923528e-02	...	8.180508e-01	7.706447e-01
	G46	3.468030e-01	4.778630e-01	...	1.953014e+00	1.914235e+00
	I	9.281405e-02	1.060417e-01	...	7.558702e-01	1.174710e+00
	H49	1.038434e+00	1.100753e+00	...	4.344376e+00	3.828480e+00
	H50	5.546665e+00	1.415219e+00	...	1.660374e-01	1.567043e-01
	H51	4.696684e-01	2.741859e-01	...	2.726690e+00	2.531955e+00
	H52	3.545380e-01	1.898611e-01	...	1.526510e+00	1.208216e+00
	H53	1.301843e-02	7.185825e-02	...	1.991358e+00	2.235398e+00
	K64	7.924297e-02	1.097208e-01	...	2.991394e-02	3.169876e-02
	K65	4.544055e-02	2.177296e-02	...	1.428750e-02	1.028920e-02
	K66	3.228790e-03	6.861133e-03	...	1.073862e-02	7.736620e-03
	L68	4.031670e-03	1.847988e-02	...	5.082404e-01	1.584411e-02
	M_N	4.679893e-01	1.503410e+00	...	1.028394e+01	3.310152e+00
	J62_63	2.770691e-02	5.950186e-02	...	9.420739e-02	7.758234e+00
	O84	8.510953e-03	8.150918e-02	...	1.563064e-01	8.912649e-02
	P85	5.407519e-03	4.702229e-02	...	9.572197e-02	9.199454e-02
	R_S	1.871342e-02	2.576663e-01	...	4.025708e-01	1.743129e-01
	T	9.712972e-03	5.734408e-03	...	9.397375e-01	9.331981e-01
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
WL	A01	2.609619e-02	8.650432e-03	...	1.689259e+01	1.614182e+01
	A02	5.990238e-02	6.365654e-04	...	4.862935e-03	5.089552e-03

	A03	6.988284e-04	1.869130e-04	...	6.965134e-03	7.179843e-03
	B_nongas	7.973228e-02	1.594920e-02	...	4.077303e+00	4.115426e+00
	B_gas	1.087922e-02	5.605623e-03	...	2.088595e-02	2.032391e-02
	C10-12	1.055339e-01	1.150388e-02	...	2.200505e+00	2.219713e+00
	C13-15	5.205839e-02	7.301530e-03	...	6.654270e-02	7.190768e-02
	C16	2.202890e-03	1.111473e-03	...	4.315947e-02	2.436764e-02
	C17	8.867975e-02	9.239498e-03	...	1.466049e-01	1.160330e-01
	C18	6.378543e-03	4.624461e-02	...	4.385703e-02	1.767184e-02
	C19	3.078042e-03	2.087719e-03	...	3.029429e-01	3.118056e-01
	C24	4.319713e-02	4.719113e-03	...	1.526096e+00	1.506462e+00
	C20-21	1.782309e+00	6.975766e-01	...	1.620300e-02	1.634158e-02
	C22	2.005254e-02	5.757470e-02	...	2.900552e-02	2.500553e-02
	C23	2.338518e-03	4.750290e-04	...	3.315813e-02	3.289570e-02
	C25_33	2.288821e-03	1.018642e-03	...	4.684352e-02	5.561532e-02
	C25	3.418555e-03	1.394446e-03	...	7.101106e-02	1.331413e-01
	C26	4.558697e-03	6.496189e-03	...	9.582134e-03	1.019024e-02
	C27	1.233946e-02	3.802530e-03	...	7.483644e-02	7.725444e-02
	C28_32	6.178890e-02	6.979178e-03	...	2.540970e-02	2.184189e-02
	C29	2.389763e-03	2.296360e-03	...	1.992050e-02	1.948720e-02
	C30	1.861919e-03	1.020149e-03	...	1.259011e-01	1.647320e-01
	C31	1.235632e-02	8.582984e-03	...	1.185963e-02	1.138233e-02
	E37-39	1.971188e-02	1.499410e-03	...	2.218678e-02	2.257323e-02
	D35	6.612658e-03	2.943270e-03	...	1.200096e-02	1.193200e-02
	E36	4.461503e-04	9.931638e-05	...	4.270196e-04	4.127385e-04
	F	3.499665e-02	3.108200e-02	...	4.235750e-02	3.664859e-02
	G45	6.458032e-03	3.735811e-03	...	6.719592e-02	6.674852e-02
	G47	1.523669e-02	8.170378e-03	...	5.276534e-02	5.243690e-02
	G46	1.095174e-01	3.991779e-02	...	6.427993e-02	6.376830e-02
	I	1.555213e-02	1.431575e-02	...	6.805777e-03	6.918021e-03
	H49	4.928365e-01	5.451430e-01	...	1.195977e-02	1.166709e-02
	H50	2.110061e-01	5.356180e-02	...	2.841329e-04	2.591263e-04
	H51	6.885005e-02	4.009435e-02	...	8.868894e-03	9.019860e-03
	H52	1.682939e-01	8.541053e-02	...	5.306781e-03	4.975645e-03
	H53	8.424507e-03	4.180592e-02	...	3.999211e-02	5.646402e-02
	K64	8.892476e-02	1.168705e-01	...	4.085016e-04	5.628042e-04
	K65	1.541163e-02	6.381744e-03	...	1.418314e-04	1.738423e-04
	K66	4.507337e-03	5.506910e-03	...	1.038574e-03	1.081280e-03
	L68	2.795357e-03	1.372839e-02	...	4.511907e-03	2.380771e-03
	M_N	1.376360e-01	3.819257e-01	...	4.578087e-01	6.961318e-02
	J62_63	6.704187e-03	1.059313e-02	...	2.917987e-03	1.960174e-01
	O84	3.986497e-03	7.501554e-03	...	1.075071e-02	9.824728e-03
	P85	2.728198e-03	2.536286e-03	...	2.218277e-03	2.521715e-03
	R_S	9.001940e-03	1.086278e-01	...	1.822416e-02	8.389232e-03
	T	1.214773e-03	9.828752e-04	...	2.458949e-03	2.447047e-03
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
WE	A01	1.140976e-01	4.961100e-02	...	1.313366e+01	1.636011e+01
	A02	4.624941e-01	5.357988e-03	...	1.712451e-03	1.102539e-03
	A03	1.217413e-03	3.817824e-04	...	3.613016e-04	6.560954e-04

	B_nongas	1.892013e-01	3.418249e-02	...	3.897386e-01	3.369733e-01
	B_gas	3.161013e-03	3.942580e-03	...	4.154348e-03	4.253354e-03
	C10-12	2.715317e-01	5.390041e-02	...	1.094789e+00	1.126220e+00
	C13-15	4.100646e-01	3.044813e-02	...	3.804522e-02	4.065534e-02
	C16	7.658511e-02	6.014491e-02	...	2.200538e-02	1.050928e-02
	C17	4.850530e+00	1.073762e+00	...	2.735530e-01	3.373501e-02
	C18	4.467075e-02	1.869628e+00	...	2.352120e-01	8.941569e-02
	C19	1.129727e-01	8.025476e-02	...	1.523880e-01	1.691447e-01
	C24	3.580920e-01	6.927802e-02	...	7.200248e-01	7.176941e-01
	C20-21	1.360028e-01	7.741091e-02	...	4.255420e-02	5.382154e-02
	C22	4.742481e-01	1.443823e+00	...	6.091862e-02	4.861639e-02
	C23	6.370416e-02	1.781475e-02	...	1.528733e-02	1.280767e-02
	C25_33	4.597117e-02	4.317450e-02	...	5.903606e-02	8.980793e-02
	C25	6.296892e-02	1.836055e-02	...	1.273969e-01	2.586793e-01
	C26	4.123506e-02	5.531130e-02	...	3.164482e-03	3.732273e-03
	C27	6.713949e-01	1.037410e-01	...	5.283069e-02	6.403641e-02
	C28_32	4.671857e-02	1.287198e-02	...	1.307606e-02	1.119603e-02
	C29	3.119876e-02	2.776778e-02	...	3.513108e-02	3.686140e-02
	C30	1.519493e-02	7.961622e-03	...	3.569872e-02	4.782978e-02
	C31	2.434097e-01	1.698528e-01	...	5.362867e-03	4.266449e-03
	E37-39	9.640508e-02	2.340498e-02	...	1.618288e-02	1.061913e-02
	D35	1.336151e-01	5.923851e-02	...	2.980261e-02	2.961605e-02
	E36	3.206362e-03	2.417389e-03	...	1.900200e-03	2.553011e-03
	F	1.800103e-01	1.671066e-01	...	8.241793e-02	7.209752e-02
	G45	2.163038e-02	9.148122e-03	...	9.541637e-02	9.561087e-02
	G47	9.483605e-02	4.183511e-02	...	5.274616e-02	5.121992e-02
	G46	1.961621e-01	8.018525e-02	...	5.656132e-02	6.279237e-02
	I	4.052758e-02	3.779443e-02	...	1.140653e-01	2.131220e-01
	H49	2.374515e+00	2.586591e+00	...	2.156984e-01	1.877969e-01
	H50	1.397981e-01	4.597411e-02	...	1.896907e-02	2.098412e-02
	H51	9.407460e-02	5.559622e-02	...	1.534774e+00	1.417850e+00
	H52	4.832791e-01	2.806231e-01	...	7.765533e-02	6.721574e-02
	H53	5.516989e-02	2.359138e-01	...	2.029556e-01	2.945258e-01
	K64	3.870450e-01	5.090325e-01	...	9.432851e-04	3.056227e-03
	K65	4.107270e-02	1.737652e-02	...	4.584271e-04	1.207212e-03
	K66	9.746320e-03	1.228143e-02	...	2.555711e-04	7.145884e-04
	L68	8.768615e-03	2.508900e-02	...	2.555014e-02	2.762544e-04
	M_N	5.226466e-01	1.512696e+00	...	7.917627e-01	4.010017e-01
	J62_63	3.004039e-02	4.499157e-02	...	2.810632e-03	7.970206e-01
	O84	1.681579e-02	1.859123e-02	...	4.816323e-03	6.625111e-03
	P85	1.517156e-02	9.976980e-03	...	3.797420e-03	8.949049e-03
	R_S	2.266137e-02	2.252326e-01	...	1.814154e-02	1.134481e-02
	T	1.348724e-03	7.532135e-04	...	6.017484e-02	5.967328e-02
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
WF	A01	3.876198e-02	3.735924e-02	...	1.375226e+02	1.328988e+02
	A02	1.862538e-02	2.472447e-03	...	1.120644e-02	5.050376e-03
	A03	1.819154e-03	2.512038e-03	...	4.883499e-02	4.837552e-02
	B_nongas	5.226060e-02	1.206962e-02	...	8.234021e+00	8.525828e+00

	B_gas	3.702415e-03	6.443614e-03	...	3.191679e-01	3.072309e-01
	C10-12	2.085642e-02	3.097635e-03	...	1.404650e+00	1.425407e+00
	C13-15	2.300100e-01	1.838623e-02	...	1.778188e-01	1.945012e-01
	C16	4.023735e-03	3.721890e-03	...	2.634084e-02	1.455213e-02
	C17	8.609125e-02	2.024664e-02	...	3.728646e-01	7.153656e-02
	C18	3.363406e-03	9.378295e-02	...	1.624818e-01	5.285315e-02
	C19	4.172290e-03	2.880501e-03	...	3.548041e-01	3.648662e-01
	C24	3.011465e-02	8.958252e-03	...	1.904235e+00	1.853748e+00
	C20-21	6.632152e-02	2.608935e-02	...	3.844662e-02	3.926038e-02
	C22	3.395181e-02	9.943727e-02	...	4.116369e-02	3.758550e-02
	C23	2.217756e-03	8.799707e-04	...	3.898999e-02	3.504445e-02
	C25_33	4.829005e-03	2.392559e-03	...	2.968196e-01	6.489160e-01
	C25	1.516297e-02	2.580328e-03	...	6.689112e-02	1.257292e-01
	C26	2.429015e-03	3.221916e-03	...	8.586677e-03	9.577331e-03
	C27	4.537075e-01	6.211980e-02	...	1.797710e-01	1.998683e-01
	C28_32	1.656827e-02	2.195165e-03	...	1.250771e-02	1.100987e-02
	C29	3.867532e-03	1.553568e-03	...	1.273574e-01	1.040885e-01
	C30	8.940348e-04	6.297787e-04	...	8.681108e-02	1.133357e-01
	C31	1.244530e-02	8.909583e-03	...	8.070948e-03	7.175477e-03
	E37-39	1.329420e-02	1.564524e-03	...	2.424129e-02	2.070810e-02
	D35	3.348732e-03	2.277301e-03	...	1.852692e-02	1.200913e-02
	E36	4.303798e-04	1.803119e-04	...	1.339097e-03	9.262441e-04
	F	2.786581e-02	2.432580e-02	...	3.345456e-01	2.798296e-01
	G45	4.267033e-03	3.205890e-03	...	1.466148e-01	1.387336e-01
	G47	1.636046e-02	8.611747e-03	...	1.191200e-01	8.900555e-02
	G46	7.825996e-02	3.458598e-02	...	2.391116e-01	1.871116e-01
	I	7.669891e-03	7.857960e-03	...	5.939869e-03	2.594210e-03
	H49	9.860199e-02	1.068985e-01	...	3.090388e-02	2.398365e-02
	H50	1.052781e+00	2.658496e-01	...	1.378887e-03	1.249298e-03
	H51	1.603595e-02	9.615068e-03	...	1.497810e-02	1.426449e-02
	H52	8.033507e-02	4.135789e-02	...	1.396322e-02	5.427009e-03
	H53	6.864863e-03	2.874262e-02	...	4.982756e-01	5.118184e-01
	K64	5.766053e-02	7.583644e-02	...	1.807558e-03	2.804874e-04
	K65	3.129791e-02	1.279801e-02	...	8.395383e-04	8.423347e-05
	K66	2.285218e-03	2.747003e-03	...	6.426001e-04	8.769937e-05
	L68	1.600172e-03	8.146081e-03	...	1.422374e-02	1.346890e-04
	M_N	1.024042e-01	3.000544e-01	...	1.578257e+00	2.658422e-01
	J62_63	3.449877e-03	5.831678e-03	...	7.038988e-03	5.677744e-02
	O84	2.061504e-03	5.585875e-03	...	1.707025e-02	9.851180e-03
	P85	1.569604e-03	1.509194e-03	...	9.129654e-04	7.900785e-04
	R_S	3.773516e-03	4.184536e-02	...	3.163272e-02	2.597060e-03
	T	8.724501e-04	6.877182e-04	...	1.154501e-03	9.435782e-04
	U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00
WM	A01	1.529281e-01	6.873425e-02	...	2.253488e+02	2.901542e+02
	A02	2.612922e-02	5.420083e-03	...	1.118026e+00	7.949446e-01
	A03	7.506055e-04	5.935423e-04	...	8.526166e+00	8.191162e+00
	B_nongas	4.374706e-01	1.702494e-01	...	2.255582e+02	2.586494e+02
	B_gas	1.258691e-01	5.436800e-02	...	4.502034e+01	3.082818e+01

C10-12	1.821528e-01	4.779307e-02	...	1.057765e+02	1.234568e+02
C13-15	3.955299e-01	1.796372e-02	...	3.798442e+01	4.426332e+01
C16	1.099689e-02	6.899056e-03	...	6.579654e+00	4.160638e+00
C17	4.974688e-01	1.271266e-01	...	9.673267e+01	2.060595e+01
C18	2.491208e-02	1.654387e+00	...	5.685799e+02	2.413727e+02
C19	9.890937e-03	1.122663e-02	...	6.903277e+01	6.701138e+01
C24	1.627062e-01	3.370876e-02	...	4.969441e+01	4.715218e+01
C20-21	2.093168e+00	8.518562e-01	...	9.042939e+01	6.993682e+01
C22	4.625468e-01	1.380191e+00	...	3.298653e+01	2.285592e+01
C23	2.827838e-02	1.048681e-02	...	1.224542e+01	7.726360e+00
C25_33	2.952410e-02	2.253356e-02	...	4.527746e+01	1.021499e+02
C25	5.601616e-02	1.892673e-02	...	7.176229e+01	1.493086e+02
C26	1.102520e-01	1.820432e-01	...	9.534393e+00	1.094287e+01
C27	3.781245e-01	6.780384e-02	...	6.442776e+01	6.074669e+01
C28_32	1.670834e-01	2.564762e-02	...	9.744260e+00	8.249856e+00
C29	1.344568e-02	1.260626e-02	...	4.652192e+01	3.304576e+01
C30	7.628505e-03	4.540307e-03	...	1.783658e+01	2.317849e+01
C31	3.654689e-02	1.689562e-02	...	1.089830e+01	8.313423e+00
E37-39	6.975044e-02	9.753446e-03	...	1.594677e+02	7.771728e+00
D35	5.441396e-02	2.511717e-02	...	4.111922e+02	2.036918e+02
E36	3.969887e-03	1.869010e-03	...	2.713401e+01	2.114039e+01
F	9.970752e-02	8.347976e-02	...	3.003732e+02	2.247689e+02
G45	1.826182e-02	9.264881e-03	...	3.091915e+02	3.166857e+02
G47	3.472482e-02	1.812195e-02	...	4.549604e+02	3.619111e+02
G46	2.877997e-01	1.246131e-01	...	6.133152e+02	5.177850e+02
I	1.150143e-01	1.085877e-01	...	3.838766e+02	7.068296e+02
H49	4.833721e-01	5.262356e-01	...	7.541414e+02	3.382846e+02
H50	6.836894e-01	1.736889e-01	...	6.100515e+01	5.179908e+01
H51	2.546667e-01	1.491031e-01	...	2.072273e+02	1.882401e+02
H52	2.636229e-01	1.354717e-01	...	5.787510e+02	2.149787e+02
H53	3.511410e-02	1.530483e-01	...	1.723260e+03	1.776632e+03
K64	2.577087e-01	3.385390e-01	...	1.972430e+03	3.731742e+03
K65	5.791680e-02	2.414258e-02	...	6.955665e+03	2.384811e+02
K66	8.227174e-03	1.037951e-02	...	3.806827e+03	3.726822e+03
L68	4.259354e-03	1.910632e-02	...	1.004790e+03	3.566713e+02
M_N	4.852931e-01	1.144522e+00	...	5.659598e+03	3.200480e+03
J62_63	6.324218e-02	1.007713e-01	...	4.974029e+02	3.934085e+02
O84	1.626950e-02	4.581677e-02	...	1.128384e+02	7.995571e+01
P85	8.161592e-03	9.163157e-03	...	3.698455e+01	2.331912e+01
R_S	2.855283e-02	3.487286e-01	...	2.118303e+02	1.833719e+02
T	1.106026e-03	1.109708e-03	...	1.438183e+01	1.757141e+01
U	0.000000e+00	0.000000e+00	...	0.000000e+00	0.000000e+00

region	sector	L68	M_N	J62_63	O84
AT	A01	2.869494e-01	8.386247e-01	1.391860e-01	3.577628e-02
	A02	2.540593e-02	6.901919e-03	6.017337e-04	1.655714e-02

	A03	3.868706e-11	6.330106e-06	2.838783e-11	1.302992e-09
	B_nongas	1.147491e-01	3.444335e-01	4.047957e-02	3.760448e-02
	B_gas	1.860815e-03	1.412330e-02	2.558538e-03	5.806434e-03
	C10-12	6.007505e-01	7.623974e+00	3.576526e-01	3.220212e+00
	C13-15	6.795347e-02	7.450919e-01	3.676656e-02	4.794021e-01
	C16	3.320111e+00	1.090381e+00	1.009430e-01	2.273614e+00
	C17	1.150930e+00	1.858373e+01	2.019209e+00	1.680042e+01
	C18	1.895971e+00	2.905753e+01	3.306525e+00	1.415912e+01
	C19	1.027600e-02	1.117639e+00	5.045558e-03	4.514418e-01
	C24	2.725434e-01	1.728284e+00	1.394442e-01	7.873467e-01
	C20-21	6.466743e-02	2.259607e+01	7.350426e-02	8.147787e+00
	C22	7.987076e-01	4.024354e+00	4.442278e-01	2.719389e+00
	C23	4.412744e-01	1.248876e+00	2.331741e-02	4.530418e-01
	C25_33	1.319369e+00	3.221233e+00	2.642943e-01	3.690806e+00
	C25	1.059849e+00	7.191195e+00	7.997610e-01	8.449459e+00
	C26	2.008108e-02	1.785115e-01	1.017657e-01	1.502325e-01
	C27	9.454382e-01	7.200713e+00	2.494676e+00	4.717405e+00
	C28_32	6.920769e-02	5.972764e+00	1.706306e-01	2.078331e+00
	C29	2.380271e-01	5.381755e+00	5.394381e-01	7.277841e+00
	C30	2.916799e-02	3.405008e-01	2.963471e-02	4.517295e+00
	C31	1.059906e-01	8.612169e-01	9.942382e-02	4.618229e-01
	E37-39	3.426209e-02	2.715532e-01	3.060189e-02	4.434803e-01
	D35	3.817350e-02	2.006604e-01	5.088307e-02	9.252534e-02
	E36	8.849562e-04	3.060870e-03	4.768755e-04	4.688665e-03
	F	3.879261e-01	6.222168e-01	1.057101e-01	3.258303e-01
	G45	6.049359e-01	2.565426e-01	5.059060e-01	3.393752e-02
	G47	5.010079e-01	3.057650e+00	3.473377e-01	1.326747e+00
	G46	1.108630e+00	8.533528e+00	1.071106e+00	3.017596e+00
	I	4.252786e-01	1.761257e+00	6.592045e-01	2.046197e+00
	H49	2.420654e-01	1.109528e+00	1.952630e-01	5.179067e-01
	H50	2.990987e-03	1.741217e-02	3.229011e-03	1.127045e-02
	H51	1.619666e-01	3.674458e-01	5.588834e-03	1.253174e-02
	H52	1.395066e-01	5.584708e-01	8.181151e-02	1.795701e-01
	H53	2.248039e-01	1.665869e+00	3.646631e-01	1.266508e+00
	K64	2.276146e-02	1.178976e+00	7.787138e-01	3.390300e-02
	K65	5.009698e-03	1.124928e-02	1.429073e-03	2.994143e-03
	K66	5.617647e-03	3.560535e-01	1.463126e-01	3.314841e-01
	L68	5.402647e-01	7.576986e-01	7.322839e-02	1.879652e-01
	M_N	1.485878e+00	8.542087e+00	1.527480e+00	2.846538e+00
	J62_63	7.856578e-01	1.308520e+00	6.883928e-02	2.578118e-01
	O84	3.277432e-02	1.488365e-01	2.063284e-02	5.555974e-02
	P85	1.607161e-02	9.187699e-02	3.763868e-02	3.182024e-02
	R_S	1.052317e-01	4.879456e-01	2.820778e-02	1.383550e-01
	T	4.647583e-01	2.504558e-01	4.407271e-02	2.130210e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
BE	A01	2.460924e+00	6.829554e+00	1.074748e+00	1.333355e-01
	A02	1.473474e-03	3.554242e-03	2.932016e-04	1.012328e-03
	A03	8.096489e-05	1.925786e-03	1.157010e-04	4.491015e-04

	B_nongas	8.894415e-01	2.451037e+00	2.873395e-01	1.593237e-01
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	1.179381e+00	2.146387e+01	6.484092e-01	1.102588e+01
	C13-15	2.699849e-01	2.926420e+00	1.483954e-01	1.718606e+00
	C16	8.969620e-01	2.415988e-01	2.112375e-02	5.853984e-01
	C17	8.286485e-01	1.370287e+01	1.467558e+00	1.250459e+01
	C18	1.710157e-01	2.563217e+00	2.900681e-01	1.259406e+00
	C19	9.158035e-01	7.646468e+00	4.354565e-01	9.246535e+00
	C24	4.410134e+00	1.107768e+01	7.213050e-01	1.681573e+00
	C20-21	6.628255e-01	4.264866e+01	5.250176e-01	1.597852e+01
	C22	1.552464e+00	8.254470e+00	8.249067e-01	5.108387e+00
	C23	1.236403e+00	2.407145e+00	1.385347e-02	9.283750e-01
	C25_33	1.397614e+00	4.617639e+00	5.168327e-01	3.649311e+00
	C25	1.151390e+00	7.486764e+00	8.277671e-01	9.286238e+00
	C26	5.492834e-02	3.725907e-01	1.991264e-01	3.031694e-01
	C27	7.376229e-01	6.244621e+00	1.980071e+00	3.625227e+00
	C28_32	1.362057e-01	1.375960e+01	3.449664e-01	4.811703e+00
	C29	3.164272e-01	5.669121e+00	5.951544e-01	7.280012e+00
	C30	1.250444e-01	2.400894e+00	1.323885e-01	1.877711e+01
	C31	4.310886e-02	8.684633e-01	3.344381e-02	3.844463e-01
	E37-39	8.603852e-02	1.587122e-01	9.498433e-03	6.131670e-01
	D35	5.612762e-02	2.783170e-01	4.755320e-02	1.223690e-01
	E36	2.698866e-02	3.106256e-02	4.408656e-03	7.961986e-02
	F	1.596474e+00	5.305995e+00	7.848542e-01	2.846334e+00
	G45	2.370110e-01	1.906767e+00	2.340916e-01	6.404240e-01
	G47	9.985478e-03	9.970902e-02	8.695583e-03	4.149331e-02
	G46	2.344470e+00	2.570943e+01	1.563320e+00	1.034214e+01
	I	4.108909e-01	1.684443e+00	6.418435e-01	1.994932e+00
	H49	1.148087e+00	5.739721e+00	8.283324e-01	2.685390e+00
	H50	2.111212e-01	1.180530e+00	1.799274e-01	8.429921e-01
	H51	1.346434e+00	2.903275e+00	1.457288e-03	4.561144e-03
	H52	1.249724e+00	4.337872e+00	4.576487e-01	1.175464e+00
	H53	7.504293e-01	5.508987e+00	1.163838e+00	4.301190e+00
	K64	5.952334e-02	4.419178e+00	2.694876e+00	9.353912e-01
	K65	1.748902e-02	2.061511e-02	1.038806e-03	2.898966e-03
	K66	4.179499e-03	4.996999e+00	2.120361e+00	4.814346e+00
	L68	2.127901e+00	2.734164e+00	2.258880e-01	6.322292e-01
	M_N	4.253493e+00	2.484520e+01	4.750651e+00	8.045644e+00
	J62_63	1.829367e+00	2.384017e+00	8.184261e-02	2.426740e-01
	O84	9.138951e-02	4.368113e-01	8.600989e-02	3.026326e-01
	P85	3.738222e-02	2.499185e-01	2.311759e-01	7.497289e-03
	R_S	3.062174e-01	1.369501e+00	7.871429e-02	3.691938e-01
	T	2.681101e+00	1.444831e+00	2.542470e-01	1.228877e-01
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
BG	A01	8.204845e-01	2.651771e+00	2.573215e-01	5.098980e-01
	A02	2.436060e-03	5.475080e-03	2.632427e-04	1.007578e-03
	A03	1.285349e-04	6.400781e-04	1.024944e-04	2.535216e-04
	B_nongas	1.051894e+00	2.660450e+00	1.189063e-02	9.935054e-03

	B_gas	4.231278e-05	1.777125e-04	6.311700e-05	1.987684e-04
	C10-12	5.079190e-01	3.959053e+00	2.180577e-01	1.711489e+00
	C13-15	5.852967e-02	7.336731e-01	3.048280e-02	5.477564e-01
	C16	2.131457e-01	5.997638e-02	5.240219e-03	1.399387e-01
	C17	1.978229e-01	2.960073e+00	3.296090e-01	2.601358e+00
	C18	7.403959e-02	9.587899e-01	1.088116e-01	4.832140e-01
	C19	1.356325e+00	9.591858e+00	6.677153e-01	1.209714e+01
	C24	4.452161e-01	8.850098e-01	8.208012e-02	2.767029e-01
	C20-21	3.951982e-02	9.773049e+00	5.660674e-02	3.773699e+00
	C22	3.577960e-01	1.781726e+00	1.916313e-01	1.127400e+00
	C23	8.453834e-01	2.228429e+00	4.719676e-03	6.216305e-01
	C25_33	1.499147e-01	4.325277e-01	4.569532e-02	4.306648e-01
	C25	1.347372e-01	9.626128e-01	1.113376e-01	1.042205e+00
	C26	7.032789e-03	8.493720e-02	3.074311e-02	5.605601e-02
	C27	1.554456e-01	1.363146e+00	4.500271e-01	8.438683e-01
	C28_32	9.073795e-03	1.006957e+00	2.170991e-02	3.473739e-01
	C29	8.790403e-03	1.210311e-01	2.168976e-02	1.620054e-01
	C30	8.024107e-03	1.112608e-01	1.112551e-02	6.709248e-01
	C31	5.407269e-03	3.044296e-02	2.311454e-03	2.295938e-02
	E37-39	3.277554e-03	9.419149e-03	1.026246e-03	1.250037e-02
	D35	1.304280e-02	8.007062e-02	1.206763e-02	6.160871e-02
	E36	4.866705e-04	3.170639e-03	3.929511e-04	4.282807e-03
	F	1.663842e-01	3.767516e-01	1.705875e-02	9.598189e-02
	G45	2.328962e-02	9.720061e-02	1.729870e-02	7.900217e-02
	G47	1.183587e-01	5.947657e-01	1.192473e-01	4.837023e-01
	G46	2.530407e-01	1.643750e+00	2.247100e-01	9.779409e-01
	I	4.905300e-01	2.001668e+00	7.692493e-01	2.398771e+00
	H49	4.495506e-02	2.263650e-01	3.269418e-02	1.174675e-01
	H50	2.261636e-03	1.256751e-02	2.037574e-03	7.701842e-03
	H51	6.043266e-02	1.306832e-01	4.022617e-04	1.252158e-03
	H52	2.136536e-02	7.402725e-02	8.568681e-03	2.774819e-02
	H53	8.334289e-02	2.281751e-01	2.520811e-02	1.035859e-01
	K64	8.591466e-04	3.126178e-03	1.160000e-03	1.230093e-03
	K65	1.538562e-03	5.377868e-03	1.167075e-03	2.711961e-03
	K66	2.023068e-04	7.314032e-03	2.942884e-03	6.723497e-03
	L68	8.326665e-02	3.106253e-01	1.017683e-01	3.410565e-01
	M_N	9.221760e-02	5.172322e-01	3.427753e-01	7.007637e-02
	J62_63	2.378271e-01	3.222489e-01	1.089280e-02	3.942011e-02
	O84	6.572907e-10	1.102767e-09	4.768197e-11	1.698897e-09
	P85	3.074205e-04	1.309744e-03	1.822826e-04	5.124039e-04
	R_S	1.833659e-02	6.347796e-02	9.250299e-03	2.619440e-02
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CY	A01	2.154131e-01	6.864092e-01	1.300434e-01	6.317381e-02
	A02	1.109200e-05	2.578089e-03	1.159159e-05	9.132799e-04
	A03	1.216740e-07	1.990870e-02	8.928207e-08	4.098016e-06
	B_nongas	6.926533e-01	1.751283e+00	4.849596e-03	7.919980e-04
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

	C10-12	1.688825e-01	2.748228e+00	9.009230e-02	1.546348e+00
	C13-15	1.128195e-02	1.124135e-01	6.428131e-03	8.293878e-02
	C16	4.725877e-02	1.443045e-02	1.266238e-03	3.173667e-02
	C17	1.781939e-02	2.529910e-01	2.857902e-02	2.181180e-01
	C18	1.860762e-02	2.778468e-01	3.270354e-02	1.358158e-01
	C19	9.600656e-04	5.648479e-03	4.888754e-04	6.351308e-03
	C24	4.318580e-02	8.597895e-02	9.116770e-03	2.464354e-02
	C20-21	1.170707e-02	7.599037e-01	3.014701e-03	2.823200e-01
	C22	1.682519e-01	8.317436e-01	9.393331e-02	5.252274e-01
	C23	9.301366e-01	2.908452e-01	4.722413e-04	8.359187e-01
	C25_33	9.326274e-02	2.423801e-01	2.219761e-02	2.412641e-01
	C25	4.699168e-02	2.659971e-01	3.105049e-02	3.746510e-01
	C26	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C27	1.982967e-02	2.135071e-01	9.275715e-02	3.083314e-01
	C28_32	1.190726e-03	1.576391e-01	3.257734e-03	5.557077e-02
	C29	2.950525e-03	6.040604e-02	5.704219e-03	8.592984e-02
	C30	6.488621e-04	1.851997e-02	8.757448e-04	9.634120e-02
	C31	4.356327e-03	1.475703e-02	1.258564e-03	3.517410e-02
	E37-39	1.808927e-03	2.776887e-03	5.589903e-04	1.305841e-02
	D35	1.225182e-05	7.044792e-05	6.641591e-06	3.122171e-05
	E36	2.445861e-06	3.135848e-06	2.584234e-07	7.204603e-07
	F	4.975405e-02	5.511471e-02	4.985243e-03	2.840472e-02
	G45	2.487829e-01	6.866851e-02	2.079210e-01	1.047318e-04
	G47	1.607749e-01	9.917766e-01	8.916534e-02	4.313015e-01
	G46	1.586324e-01	9.390855e-01	1.246123e-01	2.823777e-01
	I	2.087421e-01	8.545957e-01	3.269931e-01	1.019780e+00
	H49	2.577498e-02	1.202918e-01	1.732626e-02	5.328130e-02
	H50	1.030480e-02	5.819060e-02	9.095914e-03	4.274122e-02
	H51	3.205734e-02	6.899121e-02	1.252215e-06	3.491059e-06
	H52	9.333449e-03	2.781699e-02	3.021513e-03	6.972924e-03
	H53	5.788336e-02	4.051212e-01	8.478683e-02	3.145271e-01
	K64	0.000000e+00	7.390537e-01	5.116042e-01	0.000000e+00
	K65	1.237943e-06	1.645992e-06	1.268660e-07	3.650115e-07
	K66	0.000000e+00	5.899387e-03	2.509045e-03	5.694887e-03
	L68	1.874428e-01	2.403211e-01	1.980473e-02	5.521372e-02
	M_N	2.255899e-01	1.315097e+00	2.421423e-01	4.395240e-01
	J62_63	1.435298e-01	1.546810e-01	6.659152e-04	1.922327e-03
	O84	4.882544e-07	8.191672e-07	3.541953e-08	1.261989e-06
	P85	7.718188e-05	1.206885e-04	1.102455e-05	4.911231e-05
	R_S	1.095276e-02	9.551103e-02	1.928004e-03	2.565459e-02
	T	3.154931e-01	1.700175e-01	2.991799e-02	1.446056e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CZ	A01	3.295918e-01	9.545342e-01	1.278969e-01	2.387480e-02
	A02	5.344572e-02	1.335332e-01	2.164892e-03	6.694688e-03
	A03	5.051301e-04	2.121649e-03	2.743470e-04	7.217062e-04
	B_nongas	4.847181e-01	1.243730e+00	6.130097e-03	1.733808e-02
	B_gas	2.140993e-04	1.314703e-03	3.260392e-04	6.626845e-04
	C10-12	1.686428e-01	3.550965e+00	9.680662e-02	2.022500e+00

	C13-15	8.401548e-02	9.390287e-01	4.619687e-02	6.016006e-01
	C16	1.757765e-01	1.089607e-01	1.113001e-02	1.595151e-01
	C17	3.351715e-01	5.605674e+00	5.984796e-01	5.096743e+00
	C18	2.079237e-01	3.147286e+00	3.623703e-01	1.566553e+00
	C19	2.096503e-01	1.425224e+00	1.044028e-01	1.322198e+00
	C24	3.317004e-01	1.754863e+00	1.839230e-01	7.704391e-01
	C20-21	2.164239e-02	9.352116e+00	1.476556e-02	3.400169e+00
	C22	9.349239e-01	4.709036e+00	5.159981e-01	3.015549e+00
	C23	1.508526e+00	3.280588e+00	1.016993e-02	1.109884e+00
	C25_33	5.468155e-01	1.660974e+00	1.706642e-01	1.791339e+00
	C25	6.045877e-01	3.940914e+00	4.650321e-01	4.669849e+00
	C26	1.040415e+00	9.100756e+00	5.235018e+00	7.466913e+00
	C27	1.143366e+00	1.203286e+01	4.567933e+00	9.680152e+00
	C28_32	6.444580e-02	6.900101e+00	1.643845e-01	2.401915e+00
	C29	5.682487e-01	1.343558e+01	1.443538e+00	1.812140e+01
	C30	3.544587e-02	4.223080e-01	5.082411e-02	3.089366e+00
	C31	1.339885e-02	1.454909e-01	2.123689e-02	1.060050e-01
	E37-39	2.454861e-02	7.560985e-02	1.143157e-02	7.851749e-02
	D35	1.108900e-02	8.121844e-02	1.053941e-02	3.046464e-02
	E36	1.158655e-03	3.589803e-03	2.739137e-04	5.419223e-03
	F	2.399919e-01	5.391555e-01	3.047787e-02	1.101743e-01
	G45	1.608715e-02	3.985766e-02	1.624557e-02	2.528947e-02
	G47	7.354294e-02	6.680687e-01	8.265317e-02	2.917508e-01
	G46	1.753941e-01	2.362277e+00	3.838298e-01	1.524055e+00
	I	1.695077e-01	6.930371e-01	2.649173e-01	8.253335e-01
	H49	4.788949e-01	2.388976e+00	3.556020e-01	1.141421e+00
	H50	5.246985e-04	2.851610e-03	5.183275e-04	2.245560e-03
	H51	4.502970e-01	9.995493e-01	1.365152e-02	2.860961e-02
	H52	2.667170e-01	9.234244e-01	8.193431e-02	3.314166e-01
	H53	2.054504e-02	2.061194e-01	7.151950e-02	2.057866e-01
	K64	1.109820e-03	8.416738e-02	5.743750e-02	1.084621e-04
	K65	4.921429e-06	1.881738e-05	1.720741e-06	7.695321e-06
	K66	5.099720e-05	5.050755e-02	2.136614e-02	4.857836e-02
	L68	1.088015e-01	1.812587e-01	2.183844e-02	6.867204e-02
	M_N	6.269402e-01	3.913764e+00	7.487175e-01	1.422416e+00
	J62_63	1.178750e-01	7.070324e-01	2.326450e-01	4.236322e-01
	O84	9.145638e-03	4.366108e-02	9.030292e-03	2.619169e-02
	P85	1.399442e-02	8.502824e-02	2.055764e-02	6.812029e-02
	R_S	1.312311e-02	8.826201e-02	1.115855e-02	4.063378e-02
	T	1.049086e-01	5.653469e-02	9.948412e-03	4.808464e-03
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
DE	A01	8.870387e+00	2.589754e+01	1.899714e+00	2.936206e+00
	A02	2.295146e-01	6.156649e-02	5.373188e-03	1.497767e-01
	A03	3.429166e-10	5.610917e-05	2.516257e-10	1.154954e-08
	B_nongas	1.413154e+00	3.807834e+00	8.462980e-02	1.405550e-01
	B_gas	1.127950e-02	8.200775e-02	5.271950e-03	7.960734e-02
	C10-12	3.044270e+00	4.920966e+01	1.712629e+00	2.608217e+01
	C13-15	8.210125e-01	9.243178e+00	4.332417e-01	6.712544e+00

	C16	9.469123e+00	2.860618e+00	2.497975e-01	6.373335e+00
	C17	3.998269e+00	6.611497e+01	7.081850e+00	6.040986e+01
	C18	1.101874e+00	1.588361e+01	1.797072e+00	7.755470e+00
	C19	1.197178e+00	9.111495e+00	5.682211e-01	1.011990e+01
	C24	3.112730e+00	1.001972e+01	9.045494e-01	3.365975e+00
	C20-21	1.694310e+00	1.209064e+02	1.578223e+00	4.326200e+01
	C22	1.326121e+01	6.513880e+01	7.114697e+00	4.173967e+01
	C23	4.270189e+00	1.004859e+01	8.543700e-02	3.881989e+00
	C25_33	7.856264e+00	2.095364e+01	1.748434e+00	2.441920e+01
	C25	1.398923e+01	9.719953e+01	1.003433e+01	1.143973e+02
	C26	8.305417e-01	7.534956e+00	3.997140e+00	5.904430e+00
	C27	1.259089e+01	1.081986e+02	3.729664e+01	7.577815e+01
	C28_32	1.544668e+00	1.612401e+02	4.026014e+00	5.703973e+01
	C29	3.834703e+00	8.591643e+01	8.943815e+00	1.377003e+02
	C30	2.101565e+00	2.960984e+01	2.265085e+00	3.378001e+02
	C31	1.072337e-01	8.994102e-01	5.055927e-02	5.712355e-01
	E37-39	2.377021e-01	7.501961e-01	1.126767e-01	1.871517e+00
	D35	6.939374e-01	2.479993e+00	5.299965e-01	1.106285e+00
	E36	1.027096e-01	3.358982e-01	9.841341e-02	3.026939e-01
	F	6.800862e+00	9.051417e+00	7.924074e-01	4.795048e+00
	G45	1.827333e+00	6.895775e-01	1.520175e+00	8.009127e-02
	G47	1.056312e+00	7.505265e+00	5.565335e-01	2.965404e+00
	G46	2.332023e+00	1.392956e+01	1.533654e+00	5.286020e+00
	I	5.085104e-01	2.108724e+00	7.772605e-01	2.444199e+00
	H49	8.179855e-01	3.786573e+00	5.425113e-01	1.925276e+00
	H50	5.052338e-01	2.808658e+00	4.149390e-01	2.217216e+00
	H51	9.322519e+00	2.006406e+01	2.206479e-02	5.174422e-02
	H52	6.069612e-01	2.377669e+00	2.934601e-01	1.031430e+00
	H53	1.005045e+00	7.211116e+00	1.588418e+00	5.506829e+00
	K64	3.949632e-02	6.464463e+00	4.445390e+00	5.051998e-03
	K65	2.875282e-02	3.268893e-02	1.172211e-03	3.268015e-03
	K66	1.447073e-02	2.558947e+00	1.081900e+00	2.455635e+00
	L68	3.736495e+00	4.790126e+00	3.945881e-01	1.100075e+00
	M_N	1.399765e+01	8.092960e+01	1.755563e+01	2.573389e+01
	J62_63	5.361396e+00	7.250128e+00	3.426778e-01	9.687887e-01
	O84	2.600101e-02	2.720237e-02	3.358358e-04	1.959742e-03
	P85	1.887768e-02	2.026916e-02	1.125646e-04	1.230057e-03
	R_S	5.203273e-01	3.627013e+00	6.932292e-02	9.849828e-01
	T	1.818373e+01	9.799114e+00	1.724350e+00	8.334473e-01
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
DK	A01	9.931437e-01	3.903032e+00	4.004003e-01	7.712483e-01
	A02	1.421290e-01	3.282232e-01	5.751091e-03	7.221498e-03
	A03	4.379016e-06	5.415571e-04	2.561266e-06	3.598249e-05
	B_nongas	5.515918e-02	1.424197e-01	1.228028e-03	2.821411e-03
	B_gas	7.743121e-05	2.762714e-04	4.237687e-05	8.276101e-05
	C10-12	1.254002e+00	2.804168e+01	7.141040e-01	1.682406e+01
	C13-15	5.417285e-02	6.265076e-01	2.855136e-02	3.944009e-01
	C16	2.140650e-01	9.827524e-02	6.568350e-03	1.649531e-01

	C17	1.022616e-01	1.705459e+00	1.819688e-01	1.559809e+00
	C18	1.071085e-01	5.690389e-01	6.035734e-02	2.398597e-01
	C19	3.452865e-01	2.359945e+00	1.625247e-01	3.975376e+00
	C24	3.755276e-01	9.612462e-01	5.090509e-02	3.283922e-01
	C20-21	8.492012e-02	2.175659e+01	7.386623e-02	8.140119e+00
	C22	4.597709e-01	2.724792e+00	2.514905e-01	1.604775e+00
	C23	2.823246e-01	6.197933e-01	1.717665e-02	2.915250e-01
	C25_33	7.447809e-01	2.052831e+00	2.073521e-01	2.112954e+00
	C25	7.948798e-01	4.931053e+00	4.710433e-01	6.039182e+00
	C26	1.313292e-02	1.081743e-01	5.571280e-02	9.774704e-02
	C27	3.024952e-01	2.595045e+00	1.013939e+00	1.992470e+00
	C28_32	6.722996e-02	5.715537e+00	1.615808e-01	2.119451e+00
	C29	1.714668e-02	3.859042e-01	4.199992e-02	6.698530e-01
	C30	2.561699e-02	2.929668e-01	3.694820e-02	3.344673e+00
	C31	2.238023e-02	1.069201e-01	1.113958e-02	6.960572e-02
	E37-39	2.676818e-01	7.770949e-02	5.767398e-04	9.127603e-01
	D35	8.191917e-04	8.573872e-04	1.405751e-07	1.850492e-07
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	8.457467e-01	4.762404e+00	7.166406e-01	2.318435e+00
	G45	3.946351e-01	1.211649e-01	3.193602e-01	1.320811e-03
	G47	1.548384e-01	9.657414e-01	9.423906e-02	4.242434e-01
	G46	5.252721e-01	2.939121e+00	4.159807e-01	9.018269e-01
	I	1.105458e-01	4.753036e-01	1.637746e-01	4.914147e-01
	H49	3.660590e-01	1.956649e+00	2.764263e-01	1.032176e+00
	H50	1.604783e-01	7.943664e-01	1.049847e-01	5.308004e-01
	H51	1.416636e-01	3.038647e-01	7.768003e-08	1.022558e-07
	H52	1.408776e-01	5.668700e-01	6.402643e-02	1.429408e-01
	H53	3.599255e-01	2.366685e+00	4.857746e-01	1.848348e+00
	K64	3.919802e-02	2.817479e+00	1.889372e+00	2.910956e-02
	K65	7.085889e-03	7.416233e-03	2.448311e-06	7.044141e-06
	K66	1.337063e-02	4.584610e-01	1.890400e-01	4.290722e-01
	L68	1.543738e+00	1.747519e+00	1.596763e-01	3.770898e-01
	M_N	3.054867e+00	1.764516e+01	2.975792e+00	5.458834e+00
	J62_63	9.572248e-01	1.019467e+00	2.873431e-03	9.982055e-03
	O84	3.153875e-01	1.717779e-01	2.974456e-02	1.453639e-02
	P85	1.478843e-05	2.125190e-04	4.188165e-05	4.571070e-04
	R_S	3.745594e-01	1.840893e+00	5.119744e-02	3.983759e-01
	T	5.058010e-01	2.725735e-01	4.796476e-02	2.318328e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
EE	A01	4.961468e-01	1.632119e+00	9.764606e-02	1.003725e-01
	A02	3.895208e-03	1.823071e-03	4.007936e-04	3.214544e-03
	A03	5.325111e-05	7.420980e-04	3.102487e-04	7.073203e-04
	B_nongas	2.159873e-04	7.395595e-03	5.080189e-05	5.200081e-03
	B_gas	1.548843e-03	1.141978e-02	7.242455e-04	1.022159e-02
	C10-12	1.675641e-02	1.952301e-01	4.889340e-03	9.879441e-02
	C13-15	5.272183e-03	6.143417e-02	2.998489e-03	3.653407e-02
	C16	4.704094e-01	1.267127e-01	1.108499e-02	3.074576e-01
	C17	1.965891e-01	3.321790e+00	3.552924e-01	3.041169e+00

	C18	6.633540e-02	1.026086e+00	1.162949e-01	5.257188e-01
	C19	4.213688e-01	3.947599e+00	1.873466e-01	4.737097e+00
	C24	6.376311e-03	3.404587e-02	3.749766e-03	1.443140e-02
	C20-21	1.022852e-02	1.985263e+00	4.893453e-03	7.850538e-01
	C22	3.849490e-02	2.155485e-01	2.344212e-02	1.549479e-01
	C23	1.579610e-02	2.712279e-02	3.965268e-04	1.448529e-02
	C25_33	1.887736e-02	5.355512e-02	5.238929e-03	6.394187e-02
	C25	1.279576e-02	7.139289e-02	7.695705e-03	1.049013e-01
	C26	4.427849e-03	3.816167e-02	2.199184e-02	3.128494e-02
	C27	1.414781e-01	1.637215e+00	7.210655e-01	1.573138e+00
	C28_32	2.846653e-03	2.598285e-01	6.209824e-03	9.098759e-02
	C29	1.808384e-03	3.644234e-02	4.529922e-03	4.735540e-02
	C30	7.246438e-03	9.079363e-02	7.292098e-03	1.229177e+00
	C31	3.242979e-03	5.398400e-03	1.576336e-04	3.632801e-03
	E37-39	4.333943e-03	1.342937e-02	1.518593e-03	1.606282e-02
	D35	8.221304e-04	3.819496e-02	1.119856e-03	1.450741e-02
	E36	1.061644e-05	1.742964e-05	2.101868e-06	1.541227e-05
	F	1.238638e-02	7.143655e-02	4.798558e-03	5.804669e-02
	G45	1.135882e-03	8.117037e-04	8.330717e-04	2.754773e-04
	G47	2.695374e-03	1.787738e-02	2.941020e-03	1.280737e-02
	G46	5.237103e-02	6.238316e-01	2.257267e-01	6.450989e-01
	I	1.835186e-03	7.652190e-03	2.779194e-03	8.712985e-03
	H49	2.086077e-03	9.542266e-03	1.270929e-03	4.737952e-03
	H50	6.104026e-04	3.336261e-03	4.793411e-04	2.197391e-03
	H51	5.326194e-03	1.146808e-02	2.413753e-06	5.673343e-06
	H52	1.113813e-03	4.097850e-03	4.816699e-04	1.444725e-03
	H53	3.534059e-02	2.838005e-01	6.081266e-02	2.254572e-01
	K64	3.240028e-04	2.839671e-03	1.480382e-03	8.365841e-04
	K65	1.000419e-04	1.046350e-04	1.041722e-08	2.924132e-08
	K66	3.821763e-05	4.925760e-03	2.057921e-03	4.665355e-03
	L68	8.464948e-03	1.103225e-02	9.360205e-04	2.687517e-03
	M_N	6.390026e-03	4.761305e-02	2.915514e-02	9.290215e-03
	J62_63	1.890396e-02	2.540076e-02	1.424659e-03	3.269168e-03
	O84	6.095167e-04	2.558321e-03	2.715630e-04	1.102767e-03
	P85	1.646520e-04	6.488815e-04	1.928083e-04	2.136623e-04
	R_S	1.347713e-03	7.474408e-03	2.916727e-04	1.708238e-03
	T	3.335517e-03	1.797492e-03	3.163048e-04	1.528827e-04
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
ES	A01	1.645341e+01	4.415890e+01	1.965333e+00	1.191211e+00
	A02	8.437487e-01	1.951083e+00	3.459428e-02	4.361885e-02
	A03	9.337230e-03	1.631832e-01	3.718443e-03	8.777863e-02
	B_nongas	4.106189e+00	1.843783e+01	5.617050e-01	1.487852e+00
	B_gas	3.521766e-05	1.717196e-03	2.326701e-05	8.042821e-04
	C10-12	2.550571e+00	3.046886e+01	8.695806e-01	1.468177e+01
	C13-15	1.127431e+00	1.500125e+01	5.908639e-01	1.406748e+01
	C16	2.043455e+00	1.125902e+00	1.049963e-01	1.816271e+00
	C17	2.130698e+00	3.515847e+01	3.770265e+00	3.201428e+01
	C18	4.879546e-01	7.189826e+00	8.293789e-01	3.942227e+00

	C19	1.841264e+00	1.311778e+01	9.180309e-01	1.672781e+01
	C24	3.877697e+00	1.140194e+01	1.397570e+00	3.864525e+00
	C20-21	5.487153e-01	6.424791e+01	5.430457e-01	2.312938e+01
	C22	2.275145e+00	1.162190e+01	1.251628e+00	7.510691e+00
	C23	3.284415e+00	1.504784e+01	2.412873e-01	4.452599e+00
	C25_33	4.300513e+00	1.543093e+01	1.877914e+00	1.882593e+01
	C25	3.720282e+00	2.686771e+01	4.031196e+00	2.803395e+01
	C26	6.169611e-02	5.058161e-01	2.846158e-01	4.195107e-01
	C27	4.618992e+00	3.252044e+01	1.157830e+01	2.046582e+01
	C28_32	1.445469e-01	8.438347e+00	2.214620e-01	3.228067e+00
	C29	7.335711e-01	1.733747e+01	1.620820e+00	2.405390e+01
	C30	6.266636e-01	9.551038e+00	7.110020e-01	9.223522e+01
	C31	2.342181e-01	7.312160e-01	6.729843e-02	1.828764e+00
	E37-39	1.960198e-02	1.304471e-02	2.906820e-03	6.812725e-02
	D35	1.124145e-01	7.400193e-01	2.436978e-01	3.983282e-01
	E36	3.995382e-03	1.442111e-02	2.615681e-03	8.266468e-03
	F	2.342542e-01	4.084158e-01	3.753271e-02	2.197245e-01
	G45	7.166582e-02	4.619161e-02	5.925627e-02	1.268312e-02
	G47	3.155592e-01	2.327068e+00	1.142041e-01	1.080608e+00
	G46	1.323418e+00	5.734655e+00	9.540902e-01	2.071731e+00
	I	6.461343e-01	2.647919e+00	1.013974e+00	3.156621e+00
	H49	1.122556e+00	6.063747e+00	8.766452e-01	3.482601e+00
	H50	1.350763e-02	7.460448e-02	1.165027e-02	5.484762e-02
	H51	4.633519e-01	1.531292e+00	2.177161e-01	4.604966e-01
	H52	5.758768e-01	2.476183e+00	2.778606e-01	6.447839e-01
	H53	8.849190e-02	6.444934e-01	1.384186e-01	4.914944e-01
	K64	1.458072e-03	3.215153e-01	2.107244e-01	2.875828e-02
	K65	4.277270e-03	2.598596e-02	4.809246e-03	9.828176e-03
	K66	7.609791e-05	1.657306e-01	7.031762e-02	1.596621e-01
	L68	1.890016e-01	2.431327e-01	2.035367e-02	5.590513e-02
	M_N	9.365917e-01	5.726366e+00	1.185090e+00	1.919625e+00
	J62_63	1.312365e-01	5.240110e-01	1.713330e-01	2.677485e-01
	O84	4.751066e-01	1.254843e+00	1.288619e-01	8.182518e-02
	P85	3.741396e-03	2.139158e-02	5.282363e-03	1.590930e-02
	R_S	3.221200e-02	3.029018e-01	2.640266e-02	1.090178e-01
	T	6.313580e-01	3.402355e-01	5.987125e-02	2.893816e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
FI	A01	2.924640e-02	4.928010e-02	3.563315e-03	1.395427e-02
	A02	2.498426e-04	3.041965e-03	6.307722e-05	7.820721e-04
	A03	3.741857e-11	6.122552e-06	2.745704e-11	1.260269e-09
	B_nongas	2.853692e-01	1.392984e-01	1.897168e-02	2.248184e-01
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	9.638294e-02	2.115337e+00	4.877541e-02	1.258203e+00
	C13-15	2.287818e-02	2.091778e-01	1.056982e-02	1.364885e-01
	C16	1.476804e+01	4.011464e+00	3.522343e-01	9.684164e+00
	C17	2.885461e+00	3.683934e+01	4.241042e+00	3.145259e+01
	C18	3.840120e-01	5.798193e+00	6.702205e-01	2.901509e+00
	C19	1.638752e-02	1.313947e-01	8.235964e-03	1.237466e-01

	C24	2.661449e-01	1.176205e+00	1.181265e-01	3.204113e-01
	C20-21	4.324829e-02	5.694041e+00	5.016783e-02	2.032948e+00
	C22	1.293446e-01	8.567574e-01	8.490866e-02	5.499019e-01
	C23	5.952868e-02	1.422269e-01	2.337802e-03	5.874944e-02
	C25_33	2.142640e-01	6.423454e-01	9.705611e-02	6.631082e-01
	C25	9.442088e-01	5.983719e+00	1.125572e+00	6.306078e+00
	C26	1.101254e-02	9.486011e-02	5.206343e-02	7.583474e-02
	C27	7.797878e-01	6.181515e+00	2.473724e+00	4.732596e+00
	C28_32	3.208558e-02	3.015426e+00	7.325275e-02	1.064368e+00
	C29	3.462349e-02	2.920260e-01	4.062415e-02	4.997721e-01
	C30	4.192801e-02	3.541858e-01	6.622649e-02	2.604275e+00
	C31	7.431933e-02	4.795116e-02	4.530576e-03	8.963367e-02
	E37-39	4.394505e-02	9.239627e-03	1.364628e-03	1.359779e-01
	D35	1.394846e-02	1.132864e-01	3.377495e-02	7.593550e-02
	E36	2.223238e-03	7.029177e-03	1.119279e-03	2.558873e-03
	F	3.128980e-01	3.715029e-01	4.487998e-02	2.043358e-01
	G45	1.108902e-01	4.054871e-02	9.329147e-02	3.537527e-03
	G47	8.271009e-02	6.457983e-01	1.185270e-01	3.455073e-01
	G46	1.386123e-01	7.907119e-01	1.213421e-01	2.525064e-01
	I	1.890827e-02	7.700074e-02	2.909121e-02	8.943940e-02
	H49	8.460509e-02	4.172299e-01	6.104050e-02	1.961274e-01
	H50	4.031145e-03	2.179158e-02	4.589219e-03	1.657625e-02
	H51	2.708430e-02	5.835218e-02	2.932511e-05	2.985873e-05
	H52	4.867832e-02	2.037074e-01	2.525851e-02	5.476570e-02
	H53	4.565078e-02	3.702057e-01	8.287461e-02	2.892777e-01
	K64	8.974564e-04	2.156609e-01	1.486302e-01	4.976308e-05
	K65	1.388043e-03	1.567906e-03	5.200105e-05	1.449929e-04
	K66	2.233251e-05	6.325645e-02	2.689342e-02	6.104116e-02
	L68	1.856732e-01	2.390240e-01	1.993674e-02	5.533219e-02
	M_N	3.596441e-01	2.334709e+00	4.203953e-01	6.854097e-01
	J62_63	2.347231e-01	1.906563e+00	2.179882e-01	8.838828e-01
	O84	7.905795e-03	3.142096e-02	4.975422e-03	1.067569e-02
	P85	6.974072e-04	1.358409e-03	1.749787e-04	3.764937e-04
	R_S	6.445082e-02	2.952124e-01	1.962396e-02	8.218726e-02
	T	2.394406e-01	1.290333e-01	2.270599e-02	1.097471e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
FR	A01	9.807282e+00	3.288769e+01	2.677075e+00	4.398024e+00
	A02	2.061059e-06	5.782588e-05	1.418116e-05	3.719849e-05
	A03	5.859852e-08	9.588087e-03	4.299849e-08	1.973616e-06
	B_nongas	1.602376e+00	5.011305e+00	1.266648e-01	2.376055e-02
	B_gas	0.000000e+00	1.260727e+00	0.000000e+00	5.053068e-06
	C10-12	4.194001e+00	7.100717e+01	2.230687e+00	3.186781e+01
	C13-15	8.687772e-01	1.025215e+01	3.943337e-01	9.443873e+00
	C16	1.191243e+00	3.189868e-01	2.785042e-02	7.775621e-01
	C17	1.563327e+00	2.616676e+01	2.810226e+00	2.391977e+01
	C18	8.643125e-01	1.330890e+01	1.513197e+00	6.486681e+00
	C19	1.848732e+00	1.244439e+01	8.821813e-01	1.766043e+01
	C24	1.035829e+00	4.029085e+00	4.129190e-01	1.452331e+00

	C20-21	3.403004e-01	2.323166e+02	3.365002e-01	8.346975e+01
	C22	4.721322e+00	2.322005e+01	2.531968e+00	1.471335e+01
	C23	3.853558e+00	7.882622e+00	2.420360e-03	3.021151e+00
	C25_33	2.920159e+00	6.816907e+00	5.218909e-01	7.876712e+00
	C25	3.562250e+00	1.993360e+01	2.061189e+00	2.921268e+01
	C26	3.443427e-01	2.999647e+00	1.732269e+00	2.463423e+00
	C27	6.071474e+00	5.596393e+01	2.367720e+01	4.607179e+01
	C28_32	6.788129e-01	9.061877e+01	1.868021e+00	3.090895e+01
	C29	5.177640e-01	1.621187e+01	1.490089e+00	2.224846e+01
	C30	2.880935e+00	3.610430e+01	2.899722e+00	4.888054e+02
	C31	2.343499e-03	6.160237e-03	8.107386e-04	1.083838e-01
	E37-39	5.566795e-01	4.453949e-02	7.059388e-03	2.093578e+00
	D35	1.541852e-05	1.341447e-03	2.794666e-04	3.065260e-05
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	3.040145e+00	3.184135e+00	2.932353e-01	1.686655e+00
	G45	2.162588e+00	5.937988e-01	1.809649e+00	0.000000e+00
	G47	1.225426e+00	8.134182e+00	7.567065e-01	3.613734e+00
	G46	2.121607e+00	1.312817e+01	1.750550e+00	3.955851e+00
	I	2.659047e+00	1.084898e+01	4.190122e+00	1.304831e+01
	H49	3.480593e+00	1.726386e+01	2.437090e+00	8.315673e+00
	H50	4.001398e-01	2.266849e+00	3.562594e-01	1.674438e+00
	H51	2.785844e+00	5.996365e+00	0.000000e+00	0.000000e+00
	H52	9.189665e-01	3.832519e+00	4.379350e-01	9.779775e-01
	H53	2.625779e+00	2.124350e+01	4.553461e+00	1.688976e+01
	K64	0.000000e+00	1.243391e+01	8.607277e+00	0.000000e+00
	K65	1.455386e-04	1.935108e-04	1.491498e-05	4.291253e-05
	K66	0.000000e+00	5.516711e+00	2.346291e+00	5.325477e+00
	L68	6.556379e+00	8.405959e+00	6.927303e-01	1.931267e+00
	M_N	1.711478e+01	1.021274e+02	2.128694e+01	3.309174e+01
	J62_63	7.930534e+00	8.292663e+00	0.000000e+00	0.000000e+00
	O84	4.251937e-01	2.201066e+00	2.658862e-01	1.366204e+00
	P85	6.352340e-02	7.647988e-01	6.174909e-02	3.169616e-01
	R_S	3.309894e-01	4.220946e+00	6.701805e-02	1.070791e+00
	T	2.640243e+01	1.422813e+01	2.503725e+00	1.210150e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
GR	A01	1.153923e+00	3.868768e+00	6.895215e-01	6.225811e-01
	A02	2.890356e-06	8.109299e-05	1.988715e-05	5.216585e-05
	A03	2.613070e-08	4.275593e-03	1.917421e-08	8.800899e-07
	B_nongas	1.968758e+00	4.841006e+00	7.438958e-01	6.776005e-02
	B_gas	4.151828e-04	1.077925e-03	3.682377e-05	1.138907e-05
	C10-12	5.146464e-01	6.353857e+00	2.293027e-01	3.337808e+00
	C13-15	1.573160e-01	1.776554e+00	7.680648e-02	1.444446e+00
	C16	3.975778e-01	1.189493e-01	9.622447e-03	2.651822e-01
	C17	2.454275e-01	4.133837e+00	4.378247e-01	3.741463e+00
	C18	1.923207e-01	2.957347e+00	3.361205e-01	1.449690e+00
	C19	1.908477e+01	1.300045e+02	9.067515e+00	1.984798e+02
	C24	6.056133e-01	2.433331e+00	2.492156e-01	1.168671e+00
	C20-21	8.700166e-02	1.122276e+01	5.135266e-02	4.494066e+00

	C22	1.037894e+00	5.060480e+00	5.481482e-01	3.220989e+00
	C23	1.274908e+00	6.783986e-01	5.381312e-03	1.180784e+00
	C25_33	1.021497e+00	2.783468e+00	2.913462e-01	2.904203e+00
	C25	2.944527e-01	1.736272e+00	2.422628e-01	2.067400e+00
	C26	2.210962e-03	1.851305e-02	1.044152e-02	1.560787e-02
	C27	5.973795e-01	4.034094e+00	1.410589e+00	2.416388e+00
	C28_32	9.098046e-03	1.205906e+00	2.490651e-02	4.178231e-01
	C29	4.567775e-02	4.729720e-01	4.240847e-02	6.413228e-01
	C30	3.113036e-02	4.709113e-01	1.126629e-01	4.382453e+00
	C31	6.505790e-02	1.416325e-01	1.121831e-02	1.860508e-01
	E37-39	2.283431e-02	1.750291e-02	2.123372e-03	6.903533e-02
	D35	5.844813e-04	1.435844e-03	1.562113e-04	4.848831e-04
	E36	4.335327e-04	1.131348e-03	1.267639e-04	4.300953e-04
	F	1.239385e-01	1.298086e-01	1.195442e-02	6.876039e-02
	G45	2.658257e-02	1.241004e-02	1.821151e-02	2.087249e-03
	G47	3.832162e-02	1.026248e-01	9.245570e-03	3.779279e-02
	G46	5.413482e-02	6.188226e-01	3.060108e-02	2.323963e-01
	I	2.591165e-01	1.052799e+00	4.053402e-01	1.262289e+00
	H49	1.469192e-01	7.429124e-01	1.150128e-01	3.207257e-01
	H50	9.327108e-02	6.486203e-01	1.465526e-01	2.053192e+00
	H51	4.728976e-01	1.017351e+00	5.880001e-04	1.556182e-03
	H52	1.379492e-01	3.842111e-01	2.182471e-02	5.855465e-02
	H53	1.279141e-01	1.000911e+00	2.138226e-01	7.935869e-01
	K64	5.692494e-03	2.549859e-01	1.620339e-01	1.236297e-02
	K65	2.791374e-04	9.026704e-04	1.409203e-04	2.889303e-04
	K66	0.000000e+00	1.050498e-01	4.467830e-02	1.014083e-01
	L68	2.799539e-01	3.589283e-01	2.957914e-02	8.246590e-02
	M_N	5.313466e-01	3.115993e+00	7.157229e-01	9.939272e-01
	J62_63	4.149369e-01	4.344861e-01	1.343243e-04	2.763036e-04
	O84	1.242252e-01	1.619644e+00	1.906450e-01	7.714035e-01
	P85	5.064827e-03	2.866510e-02	5.071293e-03	9.931602e-03
	R_S	6.359899e-02	1.757450e-01	1.063444e-02	3.714833e-02
	T	1.128705e+00	6.082533e-01	1.070343e-01	5.173397e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
HR	A01	2.778667e+00	7.476543e+00	8.270195e-02	8.368649e-02
	A02	1.347601e-02	3.118119e-02	1.824167e-04	3.135349e-03
	A03	5.563066e-03	1.737463e-02	2.865890e-03	8.067429e-03
	B_nongas	4.156977e-02	3.764562e-01	3.775690e-01	1.193450e-02
	B_gas	1.105970e-04	1.119708e-03	8.941966e-04	1.498739e-04
	C10-12	5.027676e-01	1.581890e+00	8.178524e-02	9.428645e-01
	C13-15	7.420184e-03	8.659512e-02	3.837859e-03	6.547205e-02
	C16	1.221465e+00	3.595550e-01	3.022180e-02	8.102593e-01
	C17	2.770347e-02	1.091610e-01	1.162352e-02	8.297623e-02
	C18	1.312022e-01	1.127853e+00	9.278139e-01	1.071958e-01
	C19	2.760703e-03	3.074211e-02	5.855083e-03	1.065861e-02
	C24	3.390780e-02	1.456980e-01	1.556236e-02	1.152802e-01
	C20-21	2.908493e-03	8.882014e-01	9.171708e-04	3.247682e-01
	C22	1.144150e-01	8.308909e-01	6.514788e-02	4.488905e-01

	C23	3.287353e-01	2.247103e-01	8.618100e-03	3.649140e-01
	C25_33	1.771595e-01	7.898035e-01	4.266905e-02	6.737098e-01
	C25	1.016079e-01	5.548653e-01	6.135395e-02	7.988799e-01
	C26	2.640560e-04	2.519499e-03	6.107457e-04	1.478527e-03
	C27	7.112487e-02	4.950511e-01	1.753274e-01	3.089537e-01
	C28_32	2.662353e-03	1.712993e-01	3.907170e-03	5.969054e-02
	C29	3.553291e-03	2.741213e-02	2.523088e-03	7.915377e-02
	C30	4.544085e-03	5.621076e-02	3.821759e-03	5.587509e-01
	C31	2.473767e-01	8.117957e-02	6.046547e-03	1.674746e-01
	E37-39	3.296422e-03	2.622214e-03	2.542416e-04	1.093822e-02
	D35	1.600881e-01	1.082804e+00	7.031872e-01	3.023339e-01
	E36	3.720073e-03	7.183419e-03	3.654842e-04	3.472936e-03
	F	4.196023e-01	4.561269e-01	4.126000e-02	2.375851e-01
	G45	4.009746e-03	1.152817e-03	3.358033e-03	4.525106e-05
	G47	2.648353e-03	1.293044e-02	1.177172e-03	5.314482e-03
	G46	1.455160e-01	3.674135e-01	2.630648e-02	1.669958e-02
	I	7.188106e-02	2.781007e-01	9.725553e-02	3.021856e-01
	H49	7.694180e-03	3.789733e-02	5.464784e-03	1.836978e-02
	H50	1.599410e-02	9.055594e-02	1.424236e-02	6.696430e-02
	H51	1.450046e-01	3.032339e-01	1.057491e-04	5.155753e-04
	H52	3.165879e-03	9.655016e-03	8.559213e-04	2.001706e-03
	H53	3.721079e-01	4.673096e-01	1.946558e-02	7.263821e-02
	K64	3.743799e-03	8.891563e-02	5.687918e-02	1.834745e-02
	K65	7.384743e-07	9.551933e-07	7.746431e-08	2.175785e-07
	K66	2.620825e-03	1.604962e-02	3.385544e-03	5.427643e-03
	L68	2.474410e-02	3.685465e-02	4.818100e-03	1.259468e-02
	M_N	1.051229e-01	7.420248e-01	4.208568e-01	1.534754e-01
	J62_63	1.883518e-01	1.969762e-01	5.150682e-06	1.728287e-05
	O84	1.549394e-02	4.112431e-02	2.494497e-04	2.467517e-04
	P85	1.067397e-03	5.877854e-03	5.927126e-04	1.714916e-03
	R_S	3.399544e-01	8.680529e-01	1.619359e-02	1.194308e-02
	T	1.024355e-01	1.264490e-01	3.174247e-02	4.766120e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
HU	A01	3.608206e+00	9.971013e+00	4.141662e-01	2.682613e-01
	A02	1.398615e-03	3.357270e-03	5.668820e-04	2.573666e-03
	A03	6.980164e-04	2.633459e-03	3.873580e-04	3.588992e-04
	B_nongas	2.795556e-03	9.560006e-03	7.302518e-04	1.604636e-03
	B_gas	5.688302e-03	3.108072e-02	5.505700e-03	1.039309e-02
	C10-12	4.783521e-01	6.968542e+00	1.984883e-01	3.379730e+00
	C13-15	4.265823e-02	5.204529e-01	2.838052e-02	3.836535e-01
	C16	4.075712e-02	4.840616e-02	4.478037e-03	4.597526e-02
	C17	1.303936e-01	2.179285e+00	2.338331e-01	1.992845e+00
	C18	9.540380e-02	7.089333e-01	7.536678e-02	3.440325e-01
	C19	3.899366e-01	2.787799e+00	1.899871e-01	2.352434e+00
	C24	9.005714e-02	2.562158e-01	1.391275e-02	2.589001e-01
	C20-21	8.165264e-02	6.663073e+00	7.417991e-02	2.479299e+00
	C22	7.528354e-01	3.824010e+00	4.279917e-01	2.473336e+00
	C23	2.247874e-01	4.882972e-01	6.720506e-03	2.269918e-01

	C25_33	2.539198e-01	7.641220e-01	8.201545e-02	8.708466e-01
	C25	3.641828e-01	2.431938e+00	4.387497e-01	2.800283e+00
	C26	4.328338e-01	2.448540e+00	1.286063e+00	1.862975e+00
	C27	7.263997e-01	7.346887e+00	3.028783e+00	6.808421e+00
	C28_32	2.901953e-01	2.810085e+00	9.936669e-02	9.620588e-01
	C29	2.317084e-01	3.903268e+00	3.658078e-01	4.181532e+00
	C30	1.718920e-02	1.778577e-01	1.764882e-02	1.500799e+00
	C31	2.984470e-02	8.356829e-02	1.046980e-02	4.270624e-02
	E37-39	3.944961e-02	8.058003e-02	1.085311e-02	2.650968e-01
	D35	1.362575e-01	2.930315e-01	3.432706e-02	8.237803e-02
	E36	7.030524e-03	6.299311e-03	9.662564e-04	3.649768e-02
	F	9.930862e-02	2.472134e-01	4.736889e-02	1.193607e-01
	G45	7.662112e-02	9.798328e-02	6.499199e-02	2.824870e-02
	G47	1.772096e-01	1.396041e+00	1.318220e-01	6.656084e-01
	G46	1.303452e+00	4.536628e+00	6.204394e-01	1.414360e+00
	I	4.712507e-01	1.921162e+00	7.398363e-01	2.300788e+00
	H49	3.094794e-01	1.572465e+00	2.207636e-01	7.889934e-01
	H50	1.142818e-03	5.881345e-03	6.697135e-04	3.046381e-03
	H51	6.757281e-01	1.455546e+00	3.018909e-04	7.422048e-04
	H52	6.922688e-02	2.806459e-01	3.890210e-02	1.112098e-01
	H53	3.770826e-01	1.120360e+00	2.005767e-01	6.097006e-01
	K64	2.638456e-03	3.071602e-01	2.104524e-01	2.239147e-03
	K65	7.342788e-05	2.914618e-04	1.113547e-04	3.466939e-04
	K66	1.071119e-03	1.959389e-01	8.286727e-02	1.881322e-01
	L68	3.339901e-01	4.803267e-01	4.665213e-02	1.226904e-01
	M_N	1.511792e+00	7.740607e+00	1.502323e+00	2.640163e+00
	J62_63	5.430277e+00	5.802970e+00	2.625582e-02	5.545889e-02
	O84	6.082767e-03	1.512238e-02	3.372514e-03	1.087475e-02
	P85	3.010346e-03	8.975243e-03	2.113611e-03	5.902037e-03
	R_S	3.135044e-02	8.505504e-01	1.082791e-02	2.136930e-01
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
IE	A01	1.684388e-01	4.231159e-01	4.927231e-02	2.726334e-02
	A02	1.506586e-04	8.267889e-03	3.057314e-05	2.171054e-03
	A03	1.411348e-04	6.644241e-03	2.460564e-05	2.444124e-04
	B_nongas	9.463571e-03	3.220393e-02	2.603975e-03	4.849307e-03
	B_gas	1.604194e-05	9.926496e-05	1.323629e-05	2.991106e-05
	C10-12	2.086705e+00	5.294754e+01	1.338965e+00	3.101174e+01
	C13-15	5.993790e-02	7.282572e-01	3.424243e-02	3.793409e-01
	C16	2.347156e-01	1.247166e-01	1.124818e-02	1.876514e-01
	C17	2.886937e-02	4.316768e-01	4.365786e-02	3.655279e-01
	C18	4.701563e-01	5.609809e+00	6.592583e-01	2.539898e+00
	C19	2.504703e-02	1.668104e-01	1.141519e-02	1.145385e-01
	C24	5.703978e-02	1.826463e-01	1.571705e-02	5.066145e-02
	C20-21	3.976875e-02	1.083635e+02	4.169421e-02	3.914799e+01
	C22	4.548464e-01	2.730611e+00	2.997148e-01	1.614803e+00
	C23	2.774903e-01	8.384148e-01	2.897300e-02	2.892574e-01
	C25_33	4.738592e-01	1.308868e+00	1.675581e-01	1.428379e+00

	C25	4.593772e-01	2.823212e+00	2.682075e-01	3.745305e+00
	C26	2.754682e+00	2.394990e+01	1.359452e+01	1.948735e+01
	C27	9.965126e-01	7.849731e+00	2.977760e+00	5.311838e+00
	C28_32	1.991627e-01	2.355380e+01	5.557704e-01	8.516092e+00
	C29	2.230176e-02	1.018493e+00	5.234875e-02	7.527776e-01
	C30	1.954362e-02	2.408722e-01	2.538724e-02	2.850004e+00
	C31	1.561806e-02	9.761479e-02	6.561573e-03	7.324079e-02
	E37-39	1.511496e-01	7.462577e-02	1.439372e-02	9.188384e-01
	D35	9.294753e-06	5.751446e-05	7.669154e-06	1.733057e-05
	E36	1.697165e-05	1.442517e-05	1.916558e-06	5.316420e-05
	F	1.595066e+00	1.670617e+00	1.538519e-01	8.849345e-01
	G45	6.361926e-01	1.746968e-01	5.323663e-01	2.837109e-06
	G47	4.047801e-01	2.674280e+00	2.471293e-01	1.171020e+00
	G46	7.194869e-01	4.476950e+00	5.884879e-01	1.381432e+00
	I	1.594135e-01	6.532576e-01	2.501667e-01	7.769401e-01
	H49	6.623590e-01	3.271202e+00	4.781528e-01	1.548374e+00
	H50	1.933714e-02	1.063832e-01	1.545194e-02	7.244207e-02
	H51	8.455896e-01	2.420488e+00	9.695565e-02	3.889704e-01
	H52	3.266710e-01	1.362370e+00	1.556756e-01	3.476480e-01
	H53	2.101730e+00	1.700375e+01	3.644687e+00	1.351892e+01
	K64	4.482234e-01	1.242005e+01	7.290757e+00	8.763843e-01
	K65	1.765180e-01	9.979567e-01	1.765201e-01	3.448361e-01
	K66	0.000000e+00	1.171575e+01	4.982779e+00	1.130963e+01
	L68	6.439985e+00	8.256730e+00	6.804324e-01	1.896982e+00
	M_N	7.253846e+00	4.424392e+01	8.693976e+00	1.393361e+01
	J62_63	4.072176e+01	4.284832e+01	7.843520e-02	1.031999e-01
	O84	1.778331e-05	2.983588e-05	1.290058e-06	4.596444e-05
	P85	3.057496e-02	3.014912e-01	3.174984e-01	9.322089e-04
	R_S	6.382149e-01	3.046873e+00	8.650580e-02	6.789938e-01
	T	5.301149e-01	2.856761e-01	5.027043e-02	2.429770e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
IT	A01	4.231623e+00	1.201528e+01	1.339908e+00	1.279945e+00
	A02	9.969583e-07	2.797106e-05	6.859592e-06	1.799335e-05
	A03	2.948419e-09	4.824302e-04	2.163494e-09	9.930364e-08
	B_nongas	2.142852e+00	1.100129e+01	5.253826e-01	2.611347e-01
	B_gas	2.514336e-02	1.533676e-01	3.307686e-02	5.146250e-02
	C10-12	1.835544e+00	3.193442e+01	1.105108e+00	1.692389e+01
	C13-15	2.437531e+00	2.621444e+01	1.314671e+00	2.196905e+01
	C16	4.910355e+00	2.087582e+00	2.003636e-01	3.751550e+00
	C17	2.863550e+00	4.791735e+01	5.135223e+00	4.379248e+01
	C18	4.686556e-01	7.142275e+00	7.900580e-01	4.611783e+00
	C19	9.081557e+00	5.864385e+01	4.444485e+00	6.374514e+01
	C24	3.449505e+00	1.345879e+01	1.195665e+00	6.619048e+00
	C20-21	8.449077e-01	1.065086e+02	7.727506e-01	3.782566e+01
	C22	6.318871e+00	3.400658e+01	3.555799e+00	2.125928e+01
	C23	6.013600e+00	1.778356e+01	3.766976e-01	4.954726e+00
	C25_33	8.278858e+00	2.667903e+01	2.679367e+00	2.649854e+01
	C25	1.304239e+01	9.496321e+01	9.154862e+00	1.069815e+02

	C26	3.207385e-01	2.415619e+00	9.417244e-01	1.501984e+00
	C27	6.919131e+00	5.284904e+01	1.817330e+01	3.241217e+01
	C28_32	6.386552e-01	6.572305e+01	1.590555e+00	2.305103e+01
	C29	9.991071e-01	1.383663e+01	1.507459e+00	1.875997e+01
	C30	4.487767e-01	5.008832e+00	5.962901e-01	5.008787e+01
	C31	4.315803e-01	1.410406e+00	1.642380e-01	1.761322e+00
	E37-39	1.071787e-01	1.078060e-01	2.774235e-02	8.270090e-01
	D35	2.654059e-01	1.767073e+00	6.244178e-01	9.301096e-01
	E36	5.328052e-02	3.559668e-01	1.264613e-01	1.877645e-01
	F	5.325386e-01	1.313120e+00	2.007000e-01	5.266993e-01
	G45	6.853218e-01	1.153373e+00	5.699404e-01	7.790455e-01
	G47	2.365817e+00	1.648099e+01	1.177039e+00	8.501987e+00
	G46	1.053287e+00	8.998954e+00	8.449867e-01	4.491810e+00
	I	1.515124e+00	6.216035e+00	2.385122e+00	7.417237e+00
	H49	8.724045e-01	4.909716e+00	7.600172e-01	2.420877e+00
	H50	1.308444e-01	7.454163e-01	1.186691e-01	5.501229e-01
	H51	2.605599e+00	5.663994e+00	1.202374e-02	3.787550e-02
	H52	3.298915e-01	1.506999e+00	2.193019e-01	8.126148e-01
	H53	1.514248e+00	1.257151e+01	2.986550e+00	1.023248e+01
	K64	1.045420e-02	2.735670e+00	1.829151e+00	2.184939e-01
	K65	6.537126e-03	8.635303e-03	1.478601e-03	1.088461e-03
	K66	1.692256e-02	1.641269e+00	6.759460e-01	1.529242e+00
	L68	1.873934e+00	2.467156e+00	2.170022e-01	5.940704e-01
	M_N	7.194868e+00	4.264830e+01	8.200189e+00	1.435791e+01
	J62_63	1.195777e+00	2.749315e+00	6.855239e-01	1.116926e+00
	O84	1.864017e-02	7.704615e-02	1.732517e-02	3.893493e-02
	P85	1.326570e-02	7.250528e-02	2.375507e-02	3.888182e-02
	R_S	1.045288e-01	1.054776e+00	5.063173e-02	3.893651e-01
	T	8.154375e+00	4.394349e+00	7.732738e-01	3.737541e-01
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
LT	A01	2.563148e+00	8.272876e+00	5.869509e-01	1.904390e+00
	A02	5.227322e-03	1.982556e-03	1.818852e-04	3.517220e-03
	A03	1.144973e-04	4.982687e-04	9.575695e-05	9.870582e-04
	B_nongas	2.047050e-03	1.780520e-02	1.819669e-04	2.598025e-02
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	6.291467e-02	1.563122e+00	3.458549e-02	9.731353e-01
	C13-15	9.776165e-03	1.240291e-01	5.009977e-03	9.117894e-02
	C16	9.148665e-01	2.538754e-01	2.236954e-02	6.046486e-01
	C17	2.669128e-02	2.218618e-01	2.372588e-02	2.051764e-01
	C18	1.554167e-02	2.362991e-01	2.682187e-02	1.184798e-01
	C19	4.204303e-01	2.820401e+00	2.056121e-01	3.299461e+00
	C24	2.628397e-03	8.348634e-03	6.377252e-04	5.611264e-03
	C20-21	8.807498e-04	2.231039e-01	2.991642e-04	8.083450e-02
	C22	3.542443e-02	1.752491e-01	1.890944e-02	1.152606e-01
	C23	7.250316e-02	1.392553e-01	2.554878e-04	5.563850e-02
	C25_33	3.355364e-02	1.026822e-01	8.756382e-03	9.754557e-02
	C25	1.411610e-02	9.779386e-02	2.333977e-02	1.249323e-01
	C26	1.639020e-03	1.433163e-02	8.164884e-03	1.328742e-02

	C27	2.649799e-02	1.865838e-01	6.827070e-02	1.510674e-01
	C28_32	5.258911e-03	5.896530e-01	1.573814e-02	2.132330e-01
	C29	2.220651e-03	3.725216e-02	3.381856e-03	6.360779e-02
	C30	5.658595e-03	1.238017e-01	6.381105e-03	8.774400e-01
	C31	5.691574e-02	3.072134e-02	2.581047e-03	9.722448e-02
	E37-39	8.860644e-03	4.276030e-03	6.845243e-04	2.788066e-02
	D35	1.969780e-04	1.289577e-03	1.979520e-04	8.238702e-04
	E36	1.348209e-04	8.477618e-04	1.267662e-04	3.151234e-03
	F	1.081367e-02	1.590000e-02	1.251261e-03	9.706930e-03
	G45	7.128590e-03	9.693523e-03	6.193349e-03	3.128171e-03
	G47	1.027467e-02	4.587159e-02	6.302460e-03	2.459200e-02
	G46	1.944896e-01	7.642357e-01	7.638107e-02	2.480871e-01
	I	9.407045e-03	3.900415e-02	1.465732e-02	4.577539e-02
	H49	1.407785e-02	7.053818e-02	1.019801e-02	3.438901e-02
	H50	2.650021e-04	1.393641e-03	1.759198e-04	8.206129e-04
	H51	2.574067e-02	5.543598e-02	7.630850e-06	1.704088e-05
	H52	1.583871e-02	6.720492e-02	8.046711e-03	1.786855e-02
	H53	6.177273e-03	5.107968e-02	1.037834e-02	3.351755e-02
	K64	1.210072e-04	1.900675e-02	1.306968e-02	0.000000e+00
	K65	2.085729e-05	2.183952e-05	1.076436e-08	3.097060e-08
	K66	6.025024e-06	5.070464e-03	2.153820e-03	4.888617e-03
	L68	1.314598e-02	3.006487e-02	4.138791e-03	8.520709e-03
	M_N	4.512625e-02	3.284626e-01	1.452926e-01	8.038653e-02
	J62_63	8.354075e-03	4.964230e-02	2.327690e-02	3.529711e-02
	O84	6.965888e-05	9.324807e-04	5.939764e-04	5.647425e-06
	P85	3.488804e-04	3.172363e-03	4.191407e-04	1.683225e-03
	R_S	1.513356e-03	1.974992e-02	7.998357e-04	5.389842e-03
	T	1.110576e-02	5.984837e-03	1.053152e-03	5.090304e-04
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
LU	A01	1.328869e-01	3.548859e-01	3.304405e-02	2.516473e-02
	A02	2.309036e-07	6.478325e-06	1.588737e-06	4.167405e-06
	A03	3.038801e-11	4.972188e-06	2.229815e-11	1.023477e-09
	B_nongas	5.150879e-01	1.301062e+00	2.105687e-03	4.916452e-04
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	1.229483e-01	2.119325e+00	7.404987e-02	1.200441e+00
	C13-15	4.853251e-02	5.473180e-01	2.895830e-02	2.825105e-01
	C16	1.671895e-01	4.554085e-02	3.990635e-03	1.101814e-01
	C17	1.501377e-01	2.338704e+00	2.554425e-01	1.781863e+00
	C18	1.030625e-01	6.537391e-01	6.901676e-02	2.567169e-01
	C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C24	6.959588e-01	2.275458e+00	2.189074e-01	2.783916e+00
	C20-21	6.913901e-02	6.716749e+00	6.812360e-02	2.333819e+00
	C22	5.066448e-01	2.495509e+00	2.725234e-01	1.576433e+00
	C23	3.749671e-02	8.178820e-02	3.898773e-03	5.040628e-02
	C25_33	4.108897e-01	2.731881e+00	2.722133e-01	2.655867e+00
	C25	2.299089e-01	1.281648e+00	1.332020e-01	1.840233e+00
	C26	5.033512e-03	3.942387e-02	1.945379e-02	3.531820e-02
	C27	1.347909e-01	9.684808e-01	3.721968e-01	5.816280e-01

	C28_32	6.206005e-02	8.062758e+00	1.674222e-01	2.749825e+00
	C29	9.261419e-02	5.859891e-01	5.297112e-02	5.279212e-01
	C30	2.224899e-02	1.755705e-01	1.401217e-02	2.084290e+00
	C31	9.063711e-05	4.424347e-04	4.591002e-05	1.672369e-03
	E37-39	8.845945e-03	9.912074e-03	6.075828e-04	1.388956e-01
	D35	1.429289e-02	3.770738e-02	4.728457e-03	2.969406e-03
	E36	2.879976e-05	1.412244e-04	2.428966e-05	4.949730e-05
	F	3.071547e-01	3.281658e-01	3.063055e-02	1.720320e-01
	G45	1.494291e-01	5.440201e-02	1.247011e-01	6.029683e-03
	G47	1.731585e-01	9.694749e-01	1.117263e-01	3.466600e-01
	G46	3.630672e-01	2.129686e+00	2.934542e-01	6.504203e-01
	I	2.620729e-02	1.091148e-01	3.982740e-02	1.231892e-01
	H49	9.766099e-02	2.074154e-01	2.835037e-02	9.400489e-02
	H50	3.133516e-03	1.762724e-02	2.778886e-03	1.290198e-02
	H51	3.660491e-02	1.016946e-01	4.828671e-03	1.444870e-02
	H52	1.660864e-02	7.981950e-02	1.207704e-02	2.773240e-02
	H53	5.048181e-02	3.891102e-01	7.974356e-02	2.768675e-01
	K64	1.246387e-03	9.089776e+00	6.290904e+00	1.988391e-03
	K65	4.493427e-04	5.762900e-04	4.746397e-05	1.323609e-04
	K66	0.000000e+00	3.539953e+00	1.505563e+00	3.417242e+00
	L68	1.511032e-01	2.099270e-01	1.738867e-02	4.989338e-02
	M_N	3.812323e-01	2.574733e+00	4.164638e-01	8.230211e-01
	J62_63	1.477084e-01	1.715200e-01	3.427788e-03	7.115981e-03
	O84	2.255148e-03	4.397830e-03	4.197573e-04	1.450999e-03
	P85	1.768506e-04	9.042043e-04	2.158218e-04	7.616051e-04
	R_S	6.879284e-02	4.756853e-01	1.201364e-02	1.187407e-01
	T	7.790416e-01	4.198214e-01	7.387598e-02	3.570721e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
LV	A01	1.471578e+00	4.870377e+00	5.651006e-01	1.275734e+00
	A02	2.489923e-02	7.317145e-03	7.056972e-04	1.647170e-02
	A03	1.082693e-04	1.215621e-03	8.394605e-05	8.317684e-04
	B_nongas	1.491578e-04	2.815755e-02	8.502859e-05	1.723699e-01
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	4.010097e-02	5.450593e-01	1.735823e-02	2.753926e-01
	C13-15	7.821900e-03	8.138087e-02	5.925607e-03	5.381736e-02
	C16	1.940262e+00	5.238819e-01	4.567164e-02	1.271583e+00
	C17	6.344639e-03	1.072211e-01	1.147657e-02	9.830322e-02
	C18	3.787241e-03	5.785957e-02	6.904005e-03	2.901364e-02
	C19	1.863735e-02	1.330247e-01	8.858945e-03	1.068952e-01
	C24	1.155298e-02	6.029618e-02	6.789527e-03	2.359148e-02
	C20-21	6.669970e-04	6.243423e-02	6.335410e-04	2.291301e-02
	C22	2.332894e-02	1.285117e-01	1.225401e-02	8.554508e-02
	C23	2.058160e-02	3.645659e-02	4.266782e-04	1.932424e-02
	C25_33	1.532406e-02	3.593514e-02	3.020836e-03	3.983938e-02
	C25	5.923901e-03	4.036566e-02	6.648798e-03	5.176874e-02
	C26	3.197285e-03	2.690336e-02	1.510377e-02	2.183782e-02
	C27	3.419474e-02	5.036501e-01	2.479062e-01	5.687951e-01
	C28_32	1.897870e-03	2.430301e-01	5.026861e-03	8.295862e-02

	C29	1.156338e-03	3.303229e-02	3.045593e-03	4.514003e-02
	C30	9.972945e-04	1.333785e-02	1.944006e-03	1.373364e-01
	C31	7.636757e-04	8.867575e-04	8.736656e-05	1.895560e-03
	E37-39	7.266633e-03	2.215004e-02	1.679093e-03	4.634071e-02
	D35	4.037461e-03	2.884738e-03	4.894854e-04	3.749929e-03
	E36	1.408707e-03	2.586896e-04	4.971641e-05	5.457784e-03
	F	6.421850e-02	7.769712e-02	7.255114e-03	4.316524e-02
	G45	1.564553e-02	5.245081e-03	1.262078e-02	1.047528e-03
	G47	2.031028e-02	8.808424e-02	1.357884e-02	5.516455e-02
	G46	3.441393e-02	1.684175e-01	1.869824e-02	9.314516e-02
	I	5.927203e-02	2.460128e-01	9.121453e-02	2.858747e-01
	H49	1.910702e-02	9.508892e-02	1.386511e-02	4.634190e-02
	H50	3.233038e-03	1.827174e-02	2.884141e-03	1.353926e-02
	H51	5.964209e-02	1.284073e-01	3.151557e-05	9.591066e-05
	H52	1.206126e-02	4.539967e-02	5.161449e-03	1.237138e-02
	H53	1.036082e-02	8.535893e-02	1.865675e-02	6.811130e-02
	K64	0.000000e+00	5.139549e-02	3.557813e-02	0.000000e+00
	K65	2.276834e-07	3.027322e-07	2.333329e-08	6.713321e-08
	K66	0.000000e+00	1.053202e-02	4.479334e-03	1.016694e-02
	L68	7.023251e-02	8.960546e-02	7.460911e-03	2.193213e-02
	M_N	7.902343e-02	4.381605e-01	7.413829e-02	1.402329e-01
	J62_63	2.555658e-02	2.692007e-02	3.263744e-05	9.617921e-05
	O84	3.562574e-07	5.977097e-07	2.584405e-08	9.208172e-07
	P85	8.833832e-06	5.128945e-05	2.080714e-05	6.625183e-05
	R_S	5.274412e-03	1.219484e-01	1.915641e-03	3.228390e-02
	T	4.398406e-02	2.370278e-02	4.170978e-03	2.016000e-03
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
MT	A01	4.356816e-02	1.629955e-01	2.512355e-02	2.538921e-02
	A02	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A03	4.044915e-03	9.408674e-02	3.238062e-03	5.499725e-02
	B_nongas	1.510064e-03	1.219156e-03	1.707276e-05	1.737388e-03
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	6.311534e-02	1.235248e+00	4.332217e-02	7.096076e-01
	C13-15	1.969573e-03	2.456144e-02	9.178022e-04	1.998688e-02
	C16	6.242793e-05	3.514186e-04	3.640438e-05	2.632562e-04
	C17	3.932224e-03	6.480981e-02	6.982483e-03	5.831553e-02
	C18	1.350835e-02	2.056165e-01	2.332375e-02	1.003386e-01
	C19	8.643803e-04	6.187227e-03	4.163664e-04	4.956655e-03
	C24	1.796506e-04	6.332635e-04	7.992174e-05	1.651125e-04
	C20-21	2.983100e-02	1.495716e-01	1.662375e-02	8.874525e-02
	C22	5.894418e-02	2.898573e-01	3.172247e-02	1.834511e-01
	C23	2.643499e-02	2.134213e-02	2.980695e-04	3.167062e-02
	C25_33	1.197867e-02	2.879586e-02	2.166055e-03	3.245567e-02
	C25	1.700109e-02	9.476909e-02	9.791819e-03	1.386625e-01
	C26	5.544076e-04	4.464286e-03	2.549310e-03	3.625320e-03
	C27	3.154550e-02	2.247819e-01	7.634115e-02	1.403692e-01
	C28_32	2.071900e-03	4.348610e-02	2.322246e-03	2.334768e-02
	C29	4.782969e-04	5.592223e-03	5.109346e-04	7.089949e-03

	C30	7.027510e-04	5.679148e-03	4.550136e-04	6.966691e-02
	C31	5.254890e-04	3.485589e-03	5.188136e-04	1.863363e-03
	E37-39	1.706545e-02	8.018894e-03	1.513262e-03	9.479920e-02
	D35	1.111021e-03	5.768592e-03	5.867328e-04	8.308001e-03
	E36	9.795427e-05	1.024829e-04	3.164405e-06	1.820129e-05
	F	1.024223e-01	4.467241e-01	9.121126e-03	1.925648e-01
	G45	3.111596e-02	1.141328e-02	2.590352e-02	1.080453e-03
	G47	2.791845e-02	1.598247e-01	1.480994e-02	6.749331e-02
	G46	4.394827e-02	2.064415e-01	2.353845e-02	6.245129e-02
	I	2.171865e-02	8.387566e-02	2.158849e-02	6.573675e-02
	H49	5.420629e-02	2.587738e-01	3.762689e-02	1.188632e-01
	H50	2.118928e-03	1.067015e-02	1.365037e-03	5.888922e-03
	H51	5.887836e-02	1.328427e-01	1.009570e-03	5.462726e-02
	H52	3.498911e-02	1.430349e-01	1.610646e-02	3.714016e-02
	H53	8.133368e-02	6.786664e-01	1.372621e-01	5.142134e-01
	K64	1.775976e-03	3.715711e-01	2.525707e-01	9.180858e-03
	K65	1.052510e-03	1.101997e-03	6.745198e-07	2.401648e-06
	K66	6.356349e-03	2.092521e-01	8.124481e-02	1.824805e-01
	L68	1.760812e-01	2.220086e-01	1.884157e-02	5.966241e-02
	M_N	4.144721e-01	2.538968e+00	5.183839e-01	7.714386e-01
	J62_63	2.074130e-01	2.185805e-01	3.083179e-04	8.948773e-04
	O84	1.987669e-02	3.848661e-02	2.952845e-03	1.460187e-02
	P85	5.505179e-03	1.274160e-02	1.255485e-03	3.767239e-03
	R_S	2.973810e-02	3.220662e-01	5.350560e-03	8.408624e-02
	T	1.945125e-01	1.048218e-01	1.844549e-02	8.915442e-03
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
NL	A01	6.491209e+00	1.763332e+01	1.689975e+00	1.330730e+00
	A02	2.453163e-06	4.103656e-05	3.509956e-06	1.401689e-05
	A03	1.143181e-02	2.112528e-01	5.530433e-03	1.131915e-01
	B_nongas	4.821196e-02	1.290640e-01	6.804526e-03	3.549812e-03
	B_gas	2.337578e-03	8.580012e-01	1.928734e-03	3.199760e-03
	C10-12	3.648439e+00	7.647309e+01	2.103310e+00	4.408159e+01
	C13-15	1.402947e-01	1.683823e+00	9.148301e-02	9.875211e-01
	C16	6.252604e-01	2.776277e-01	3.429748e-02	4.797334e-01
	C17	5.657436e-01	9.028494e+00	9.852374e-01	8.129143e+00
	C18	1.112036e+00	1.681942e+01	1.917382e+00	8.288492e+00
	C19	7.648542e+00	5.301503e+01	3.628619e+00	7.208864e+01
	C24	4.824700e-01	1.810251e+00	1.831532e-01	7.913050e-01
	C20-21	1.278716e+00	1.099433e+02	7.358769e-01	4.603778e+01
	C22	2.100084e+00	1.110345e+01	1.138259e+00	6.850370e+00
	C23	4.573493e-01	1.073386e+00	4.157660e-02	4.792006e-01
	C25_33	2.028324e+00	5.356229e+00	4.395444e-01	6.035364e+00
	C25	1.971131e+00	2.513579e+01	1.571474e+00	1.998044e+01
	C26	1.228308e-01	1.197000e+00	5.462856e-01	2.981896e+00
	C27	1.274409e+00	1.089815e+01	3.454775e+00	7.997522e+00
	C28_32	3.258249e-01	3.404876e+01	8.746679e-01	1.282306e+01
	C29	2.341937e-01	5.945147e+00	5.757598e-01	9.372818e+00
	C30	5.741213e-01	6.399546e+00	6.552126e-01	7.618789e+01

	C31	7.816276e-01	2.294318e+00	4.085214e-01	4.348997e-01
	E37-39	2.228287e-01	9.509015e-01	5.095055e-02	8.388252e-01
	D35	1.613088e-02	3.987305e-02	5.158112e-03	1.001515e-02
	E36	1.050473e-03	1.678430e-03	4.210653e-04	1.158431e-04
	F	4.540024e-01	1.075767e+00	2.628762e-01	7.645974e-01
	G45	3.005188e-01	1.277531e+00	2.842471e-01	4.329682e-01
	G47	3.110516e-01	1.759143e+00	2.659940e-01	9.278370e-01
	G46	2.687239e+00	1.571308e+01	1.739612e+00	1.652991e+01
	I	8.024974e-01	3.291061e+00	1.237542e+00	3.838940e+00
	H49	3.848118e-01	1.647277e+00	2.453333e-01	7.246853e-01
	H50	6.398140e-02	4.000702e-01	7.291402e-02	2.514720e-01
	H51	1.133613e+00	3.790146e+00	2.591023e-01	7.921098e-01
	H52	2.097102e-01	1.208284e+00	1.630625e-01	4.348282e-01
	H53	1.011349e+00	6.938973e+00	1.719287e+00	5.589767e+00
	K64	9.574142e-02	5.548261e-01	2.263754e-01	9.258451e-02
	K65	2.771181e-01	1.263811e+00	2.158905e-01	4.135356e-01
	K66	7.030049e-02	7.063091e-01	2.402960e-01	5.321769e-01
	L68	4.331635e-01	5.697130e-01	5.056985e-02	1.409565e-01
	M_N	8.465693e+00	4.876939e+01	1.074689e+01	1.647421e+01
	J62_63	3.860080e+00	6.050343e+00	2.717320e-01	1.010298e+00
	O84	5.042374e-01	1.294308e+00	1.657027e-01	1.022735e+00
	P85	8.393187e-02	6.712623e-01	5.386577e-01	6.739882e-02
	R_S	5.636469e-01	2.648428e+00	3.057508e-01	9.817945e-01
	T	6.293444e-02	3.391503e-02	5.968029e-03	2.884587e-03
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
PL	A01	4.080336e+00	1.265405e+01	9.298863e-01	2.851734e+00
	A02	1.174118e-02	3.000669e-02	9.356827e-04	6.379840e-03
	A03	7.453071e-04	3.854139e-03	1.414931e-04	1.031742e-03
	B_nongas	3.724754e-02	1.739235e-01	1.057875e-02	5.575627e-02
	B_gas	4.062647e-05	2.180035e-04	1.715094e-05	1.188682e-04
	C10-12	1.501768e+00	2.747154e+01	8.255621e-01	1.328997e+01
	C13-15	8.816892e-02	1.004294e+00	4.839550e-02	7.145978e-01
	C16	5.404482e-01	5.330764e-01	4.805934e-02	6.656287e-01
	C17	9.882282e-01	1.646937e+01	1.760786e+00	1.500724e+01
	C18	1.648674e-01	2.159465e+00	2.388112e-01	1.447459e+00
	C19	6.802596e-02	1.545413e+00	2.702633e-02	1.644979e+00
	C24	2.444813e-01	1.066751e+00	8.613983e-02	1.212148e+00
	C20-21	9.466480e-02	1.493835e+01	5.254597e-02	5.483322e+00
	C22	1.253704e+00	6.396496e+00	6.872817e-01	4.453427e+00
	C23	1.055918e+00	2.421583e+00	2.154347e-02	9.827658e-01
	C25_33	1.422872e+00	4.065475e+00	4.388277e-01	6.095825e+00
	C25	8.318984e-01	4.881480e+00	6.719311e-01	7.261226e+00
	C26	2.855009e-02	2.381655e-01	1.327433e-01	1.914544e-01
	C27	1.307714e+00	1.024226e+01	3.810068e+00	7.879777e+00
	C28_32	6.234831e-02	4.255638e+00	1.290875e-01	2.990083e+00
	C29	3.206482e-01	4.127511e+00	5.604988e-01	6.657288e+00
	C30	3.324683e-01	3.873363e+00	3.260178e-01	5.031908e+01
	C31	2.405686e-02	1.252964e-01	1.013968e-02	8.854165e-01

PT	E37-39	1.562048e-01	9.742798e-02	8.813649e-03	5.803829e-01
	D35	1.620656e-02	8.505397e-02	1.172032e-02	3.967412e-02
	E36	2.731693e-02	4.368888e-03	7.278914e-04	1.042970e-01
	F	2.330926e-01	6.850601e-01	1.662874e-01	4.631511e-01
	G45	5.591323e-02	1.028497e-01	4.768795e-02	5.690013e-02
	G47	3.727855e-01	7.547120e+00	6.031422e-01	3.643508e+00
	G46	8.890594e-01	1.151032e+01	7.816355e-01	6.685393e+00
	I	2.857471e-01	1.201247e+00	4.431084e-01	1.391910e+00
	H49	1.398837e-01	6.851013e-01	9.801424e-02	3.631943e-01
	H50	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	H51	4.943663e-01	1.094430e+00	1.268147e-02	2.278995e-02
	H52	4.133042e-02	1.782358e-01	2.121692e-02	5.382103e-02
	H53	8.416398e-02	5.093895e-01	1.002716e-01	3.714753e-01
	K64	1.834236e-03	1.612309e-01	1.011498e-01	3.473050e-02
	K65	7.364502e-05	3.041575e-04	1.124493e-04	3.520558e-04
	K66	1.404562e-03	1.379283e-01	5.710190e-02	1.320375e-01
	L68	1.345514e-01	1.773193e-01	1.675298e-02	5.774187e-02
	M_N	7.440283e-01	4.400271e+00	9.276738e-01	1.734849e+00
	J62_63	4.147897e-01	4.754711e-01	1.010457e-02	2.260260e-02
	O84	6.475901e-04	4.756442e-03	5.259560e-04	2.196792e-03
	P85	3.826285e-03	2.092992e-02	9.872393e-03	5.048950e-03
	R_S	3.910274e-02	6.111901e-01	1.616703e-02	1.757400e-01
	T	3.690159e-01	1.988607e-01	3.499353e-02	1.691377e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	1.752346e+01	4.807816e+01	3.759056e+00	1.136597e-01
	A02	1.090934e-03	1.170957e-03	6.676635e-05	8.636715e-04
	A03	8.835774e-05	9.973421e-04	6.131682e-05	2.495003e-04
	B_nongas	1.764425e+00	5.190525e+00	5.716695e-02	2.400160e-02
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	1.940181e-01	3.608875e+00	1.032280e-01	1.374457e+00
	C13-15	2.182658e-01	2.457208e+00	1.011080e-01	2.083669e+00
	C16	1.212944e+00	3.297603e-01	2.892355e-02	7.944662e-01
	C17	1.527552e+00	2.509344e+01	2.705319e+00	2.273777e+01
	C18	1.277507e-01	2.091302e+00	2.278071e-01	1.791393e+00
	C19	6.647089e-02	6.002683e-01	3.341074e-02	7.615489e-01
	C24	1.780415e-02	7.594191e-02	7.831739e-03	3.398962e-02
	C20-21	2.686452e-02	4.330947e+00	2.545480e-02	1.537539e+00
	C22	5.355353e-01	2.695736e+00	2.900529e-01	1.711156e+00
	C23	6.100766e-01	1.133190e+00	3.271506e-03	5.477766e-01
	C25_33	4.166534e-01	1.025591e+00	9.728528e-02	1.155526e+00
	C25	1.381816e-01	1.198861e+00	8.665782e-02	1.196399e+00
	C26	5.354535e-03	4.663206e-02	2.684089e-02	3.825401e-02
	C27	3.061232e-01	2.342734e+00	9.036976e-01	1.562424e+00
	C28_32	1.046459e-02	1.113104e+00	2.549335e-02	4.157428e-01
	C29	2.353337e-02	4.908230e-01	4.941574e-02	6.464011e-01
	C30	6.010877e-03	7.014252e-02	1.151276e-02	5.159629e-01
	C31	1.667315e-02	3.786944e-02	2.395550e-03	4.245144e-02
	E37-39	2.513093e-03	4.218216e-03	4.967935e-04	1.175347e-02

	D35	8.884249e-04	7.640933e-03	2.002122e-03	4.098706e-03
	E36	4.178612e-04	5.047130e-04	1.154133e-04	2.643957e-03
	F	4.787548e-02	9.786101e-02	2.059888e-02	5.424348e-02
	G45	1.493275e-02	7.720290e-03	1.242536e-02	4.761152e-03
	G47	2.679350e-02	2.457778e-01	1.988381e-02	2.561623e-01
	G46	1.089672e-01	1.794951e+00	1.231567e-01	7.669633e-01
	I	1.851703e-02	8.047676e-02	2.796154e-02	8.804938e-02
	H49	1.029026e-02	4.914932e-02	6.918979e-03	2.211710e-02
	H50	3.010045e-04	1.576102e-03	1.986632e-04	8.846529e-04
	H51	1.310939e-02	8.488612e-02	2.446822e-02	4.513363e-02
	H52	3.688258e-03	1.430492e-02	1.780754e-03	4.013391e-03
	H53	1.261091e-02	1.004254e-01	2.250408e-02	7.363649e-02
	K64	1.515217e-03	7.482104e-02	5.065245e-02	2.265482e-04
	K65	8.672456e-05	1.112146e-04	9.161447e-06	2.554600e-05
	K66	3.068520e-07	1.175035e-02	4.996942e-03	1.134177e-02
	L68	2.338134e-02	2.979775e-02	2.465385e-03	7.167456e-03
	M_N	7.793417e-02	4.643192e-01	1.029895e-01	1.479732e-01
	J62_63	4.142899e-02	4.593747e-02	1.361378e-03	2.080637e-03
	O84	1.288045e-02	4.630840e-02	7.147464e-03	7.529100e-03
	P85	5.459613e-04	8.043559e-03	4.104596e-04	2.717773e-03
	R_S	1.607663e-02	5.606713e-02	8.038739e-03	8.585280e-03
	T	1.208453e-01	6.512289e-02	1.145968e-02	5.538919e-03
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
RO	A01	2.273630e+01	6.784685e+01	7.297047e+00	5.544443e+00
	A02	1.301383e-06	3.651212e-05	8.954191e-06	2.348768e-05
	A03	1.174718e-10	1.922114e-05	8.619862e-11	3.956487e-09
	B_nongas	1.273034e-01	3.827032e-01	4.322923e-02	1.332324e-02
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	9.496770e-01	6.377389e+00	1.552314e-01	2.243166e+00
	C13-15	6.528083e-02	8.268459e-01	3.093982e-02	7.023386e-01
	C16	1.002686e+01	2.684958e+00	2.344210e-01	6.544851e+00
	C17	1.830461e-01	3.093769e+00	3.312013e-01	2.836461e+00
	C18	1.518430e-02	2.338116e-01	2.658394e-02	1.139584e-01
	C19	4.066996e+00	2.317435e+01	2.074719e+00	3.398567e+01
	C24	1.431815e-01	7.018288e-01	6.982683e-02	2.543462e-01
	C20-21	1.179237e-02	7.556413e+00	1.173713e-02	2.712651e+00
	C22	1.280270e+00	6.296529e+00	6.865880e-01	3.989786e+00
	C23	3.052750e-01	7.332318e-01	4.798705e-04	2.488680e-01
	C25_33	7.782855e-01	1.816853e+00	1.390952e-01	2.099314e+00
	C25	4.386990e-01	2.454867e+00	2.538401e-01	3.597606e+00
	C26	5.555787e-02	4.839770e-01	2.794925e-01	3.974602e-01
	C27	6.090800e-01	4.371929e+00	1.620215e+00	2.596684e+00
	C28_32	4.721997e-02	6.303673e+00	1.299443e-01	2.150105e+00
	C29	1.196399e-01	3.746083e+00	3.443156e-01	5.140961e+00
	C30	6.564512e-02	8.226742e-01	6.607320e-02	1.113794e+01
	C31	3.459392e-04	9.093529e-04	1.196784e-04	1.599924e-02
	E37-39	7.133301e-02	2.133863e-02	4.301625e-03	3.600552e-01
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	1.537806e-01	1.610641e-01	1.483282e-02	8.531660e-02
	G45	5.123412e-02	1.406776e-02	4.287260e-02	0.000000e+00
	G47	3.932018e-02	2.614699e-01	2.435458e-02	1.163087e-01
	G46	6.519527e-02	4.034180e-01	5.379299e-02	1.215601e-01
	I	4.363755e-01	1.780424e+00	6.876398e-01	2.141355e+00
	H49	1.496819e-01	7.376833e-01	1.045214e-01	3.519793e-01
	H50	1.702513e-02	9.624774e-02	1.504545e-02	7.070271e-02
	H51	9.207911e-02	1.981948e-01	0.000000e+00	0.000000e+00
	H52	1.577829e-02	6.580283e-02	7.519171e-03	1.679148e-02
	H53	1.087336e-01	8.796943e-01	1.885590e-01	6.994057e-01
	K64	0.000000e+00	1.580793e-01	1.094292e-01	0.000000e+00
	K65	6.357176e-07	8.452622e-07	6.514916e-08	1.874435e-07
	K66	0.000000e+00	6.182209e-02	2.629331e-02	5.967906e-02
	L68	1.380888e-01	1.770441e-01	1.459010e-02	4.067585e-02
	M_N	1.328468e+00	7.681558e+00	1.445340e+00	2.573671e+00
	J62_63	4.193809e-01	4.385309e-01	0.000000e+00	0.000000e+00
	O84	6.511175e-07	1.092410e-06	4.723414e-08	1.682941e-06
	P85	1.688293e-06	2.424187e-05	4.778377e-06	5.221604e-05
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
SE	A01	1.896164e-02	7.118939e-02	9.484052e-03	1.516548e-02
	A02	2.207442e-01	5.962543e-02	5.165162e-03	1.437592e-01
	A03	1.223434e-10	4.290632e-06	5.116094e-10	1.530752e-09
	B_nongas	3.595459e+00	8.058640e+00	1.945558e+00	3.972000e-02
	B_gas	1.451274e-03	8.234529e-03	1.504763e-03	2.826701e-03
	C10-12	2.859746e-01	6.511371e+00	1.322154e-01	4.016286e+00
	C13-15	3.053179e-02	3.202690e-01	1.786441e-02	1.947593e-01
	C16	1.206720e+01	3.240642e+00	2.845960e-01	7.879977e+00
	C17	1.846998e+00	3.020958e+01	3.259987e+00	2.749352e+01
	C18	1.453566e-01	8.003872e-01	8.637032e-02	3.618163e-01
	C19	5.203684e-02	3.364709e-01	2.441336e-02	3.601635e-01
	C24	2.937305e-01	1.313437e+00	1.414104e-01	4.990558e-01
	C20-21	1.603682e-01	7.865901e-01	1.301124e-01	1.470874e-01
	C22	8.052008e-01	4.012166e+00	4.494859e-01	2.613940e+00
	C23	5.071660e-01	1.072953e+00	1.077715e-01	2.805148e-01
	C25_33	4.433443e-01	1.165385e+00	1.133178e-01	1.313759e+00
	C25	1.212204e+00	7.545838e+00	9.163264e-01	9.969200e+00
	C26	3.696615e-02	3.031979e-01	1.632352e-01	2.720930e-01
	C27	1.673899e+00	1.269983e+01	4.946226e+00	9.405105e+00
	C28_32	8.036685e-02	8.311842e+00	1.918647e-01	2.881992e+00
	C29	3.668135e-01	9.020037e+00	8.521058e-01	1.211235e+01
	C30	3.957216e-02	3.365590e-01	4.088216e-02	2.677090e+00
	C31	2.728578e-02	1.468751e-01	2.821755e-02	1.433460e-01
	E37-39	1.282038e-02	7.333712e-03	9.349649e-04	7.376235e-02
	D35	6.846627e-02	1.211880e-01	2.136295e-02	5.767464e-02
	E36	1.009946e-03	1.045894e-03	9.931345e-05	1.392095e-03

	F	1.302238e+00	2.456980e+00	5.094535e-01	5.380099e-01
	G45	5.909632e-01	3.345989e-01	4.910763e-01	9.459773e-02
	G47	5.563292e-01	2.789998e+00	2.436890e-01	1.170776e+00
	G46	1.261982e+00	8.204024e+00	8.380552e-01	2.966731e+00
	I	5.710772e-02	2.404209e-01	8.516905e-02	2.627945e-01
	H49	2.766108e-01	1.389623e+00	2.020520e-01	6.734438e-01
	H50	7.448697e-02	4.119880e-01	7.786250e-02	2.062673e-01
	H51	8.461108e-02	2.227811e-01	1.261946e-02	7.072718e-02
	H52	3.564106e-01	1.232937e+00	2.014056e-01	3.090608e-01
	H53	3.674712e-01	2.304062e+00	4.741067e-01	1.636047e+00
	K64	5.406295e-02	6.971784e-01	4.434827e-01	5.101521e-08
	K65	3.542602e-02	4.298214e-02	2.472006e-03	4.220621e-03
	K66	7.501810e-03	1.233853e-01	4.914022e-02	1.115356e-01
	L68	5.563188e-01	7.125543e-01	5.919661e-02	1.638499e-01
	M_N	3.219757e+00	1.879265e+01	3.707134e+00	6.083250e+00
	J62_63	3.889676e+00	4.420681e+00	1.306640e-01	2.396181e-01
	O84	1.393870e-01	2.790926e-01	3.918836e-02	8.845218e-02
	P85	3.294940e-02	1.015359e-01	1.426892e-02	3.152290e-02
	R_S	2.732317e-01	1.050215e+00	4.983959e-02	2.364661e-01
	T	4.683830e-01	2.524091e-01	4.441644e-02	2.146824e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
SI	A01	4.756476e-01	1.292887e+00	2.098381e-02	2.228639e-02
	A02	2.197284e-02	7.193840e-03	6.796711e-04	1.471093e-02
	A03	3.377275e-05	1.720534e-04	1.816738e-05	8.083259e-05
	B_nongas	3.301446e-03	1.450677e-02	3.754463e-04	2.733096e-03
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	1.771175e-02	2.884827e-01	1.003676e-02	1.480065e-01
	C13-15	2.699362e-02	3.066280e-01	1.222267e-02	1.884796e-01
	C16	1.225657e+00	3.973357e-01	3.535288e-02	8.746329e-01
	C17	1.784518e-01	2.988117e+00	3.190602e-01	2.733142e+00
	C18	1.342599e-02	1.411374e-01	1.640268e-02	6.718089e-02
	C19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C24	4.234979e-02	2.607549e-01	1.981397e-02	1.460004e-01
	C20-21	2.021145e-02	9.479070e+00	1.378499e-02	3.420194e+00
	C22	2.387341e-01	1.276366e+00	1.365080e-01	9.069572e-01
	C23	5.470604e-02	4.994546e-01	6.438379e-03	2.201825e-01
	C25_33	1.794997e-01	5.728446e-01	4.992399e-02	5.786995e-01
	C25	1.725287e-01	1.393866e+00	1.273365e-01	1.488116e+00
	C26	2.770388e-03	1.272573e-02	5.695273e-03	8.245142e-03
	C27	1.586182e-01	1.310418e+00	4.811114e-01	9.547364e-01
	C28_32	1.769925e-02	1.393884e+00	3.974975e-02	5.070103e-01
	C29	8.154649e-02	1.721087e+00	2.041401e-01	2.238049e+00
	C30	5.284020e-03	2.870342e-02	2.285331e-03	2.750655e-01
	C31	1.334163e-01	1.643247e-01	4.822984e-03	1.128103e-01
	E37-39	5.625343e-03	6.916250e-03	7.331316e-04	1.286774e-02
	D35	1.391258e-02	7.364152e-02	1.256568e-02	2.652961e-02
	E36	2.041915e-03	1.946223e-03	3.008441e-04	5.797432e-03
	F	1.930556e-01	1.269804e-01	1.014147e-02	1.407718e-01

	G45	2.371190e-02	2.066761e-02	1.979387e-02	6.881946e-03
	G47	4.480094e-02	2.858158e-01	3.824975e-02	1.334283e-01
	G46	7.004928e-02	4.539834e-01	4.150579e-02	1.622484e-01
	I	9.016309e-02	3.708753e-01	1.399874e-01	4.364375e-01
	H49	2.021535e-01	1.059895e+00	1.541498e-01	5.443143e-01
	H50	3.355727e-02	1.908018e-01	3.035666e-02	1.424699e-01
	H51	6.294484e-02	1.461495e-01	2.420122e-03	6.241837e-03
	H52	4.791674e-02	2.227990e-01	3.025694e-02	9.525227e-02
	H53	4.473616e-02	3.542126e-01	7.662002e-02	2.760477e-01
	K64	9.495166e-03	9.481971e-02	4.703992e-02	2.823266e-02
	K65	7.732031e-04	8.088483e-04	1.222528e-07	3.517389e-07
	K66	4.211382e-04	4.002247e-02	1.682184e-02	3.772669e-02
	L68	7.493845e-02	1.287539e-01	1.639135e-02	4.560910e-02
	M_N	1.867103e-01	1.013706e+00	1.728736e-01	3.652820e-01
	J62_63	1.136917e-01	1.245037e-01	3.064431e-03	2.716079e-03
	O84	4.258109e-03	9.656568e-03	2.151298e-03	6.425089e-03
	P85	3.814748e-03	1.367212e-02	3.738885e-03	6.832607e-03
	R_S	1.089481e-02	8.731703e-02	5.169787e-03	2.732327e-02
	T	6.515462e-02	3.511148e-02	6.178568e-03	2.986348e-03
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
SK	A01	6.192727e-02	1.845396e-01	1.591728e-02	1.018287e-02
	A02	4.565209e-04	1.171474e-03	1.595939e-04	1.463700e-03
	A03	2.012912e-06	1.330932e-05	1.386725e-06	5.592336e-06
	B_nongas	3.487611e-03	8.521151e-03	1.124614e-03	2.682391e-03
	B_gas	1.103330e-05	3.316747e-05	6.149131e-06	8.876284e-07
	C10-12	2.101995e-02	3.135561e-01	1.391838e-02	1.724608e-01
	C13-15	1.962464e-02	2.349535e-01	8.025395e-03	2.512988e-01
	C16	1.367788e-01	4.898037e-02	7.216988e-03	9.544498e-02
	C17	1.658432e-01	2.753384e+00	2.946521e-01	2.518194e+00
	C18	1.353652e-02	1.977019e-01	2.245860e-02	1.006907e-01
	C19	1.667880e-03	1.103441e-02	8.300765e-04	1.232620e-02
	C24	3.789817e-01	8.269627e-01	3.862388e-02	5.669014e-02
	C20-21	1.422349e-02	8.117955e-02	8.652099e-03	5.818235e-02
	C22	2.803916e-01	1.448605e+00	1.478467e-01	8.867726e-01
	C23	1.534891e-01	3.053825e-01	1.070421e-03	1.193439e-01
	C25_33	1.182054e-01	3.993765e-01	5.627350e-02	3.971597e-01
	C25	1.700151e-01	1.051707e+00	1.101721e-01	1.338412e+00
	C26	1.049289e-02	8.217966e-02	4.081275e-02	7.114343e-02
	C27	4.126188e-01	3.801968e+00	1.567410e+00	3.168799e+00
	C28_32	1.185960e-02	1.080497e+00	2.587927e-02	3.887173e-01
	C29	2.969352e-01	8.971401e+00	8.258924e-01	1.233516e+01
	C30	4.617365e-03	4.309670e-02	8.093822e-03	2.921663e-01
	C31	1.790473e-02	1.394843e-02	1.335321e-03	2.255535e-02
	E37-39	5.300836e-03	1.532896e-02	1.330719e-03	1.779429e-02
	D35	2.117805e-03	1.209658e-02	2.261884e-03	6.109106e-03
	E36	4.154908e-04	3.460673e-04	6.962248e-05	2.160724e-03
	F	3.788183e-02	1.516464e-01	3.396067e-02	7.961093e-02
	G45	5.996059e-03	4.627401e-02	8.240854e-03	6.086589e-02

	G47	1.307441e-02	7.237804e-02	1.817508e-02	5.279747e-02
	G46	7.109220e-02	1.370987e+00	1.447343e-01	6.139820e-01
	I	4.071148e-02	1.655414e-01	6.365303e-02	1.982053e-01
	H49	1.644590e-02	9.402289e-02	1.631047e-02	5.160958e-02
	H50	1.588633e-04	8.602006e-04	1.068388e-04	3.903441e-04
	H51	4.956146e-03	3.322658e-02	1.030425e-02	2.422235e-02
	H52	1.034575e-02	5.997566e-02	1.369420e-02	2.957357e-02
	H53	5.412276e-03	4.063337e-02	9.295798e-03	3.235763e-02
	K64	8.722330e-10	1.035362e-02	6.802623e-03	1.318490e-03
	K65	1.108211e-07	1.473498e-07	1.135709e-08	3.267596e-08
	K66	0.000000e+00	5.506574e-03	2.368289e-03	5.220546e-03
	L68	1.535973e-02	2.673879e-02	3.092231e-03	1.183472e-02
	M_N	4.331764e-02	5.419130e-01	4.909176e-02	2.673101e-01
	J62_63	3.343296e-02	5.128843e-02	2.052506e-03	8.728270e-03
	O84	2.105996e-03	7.144768e-03	2.135555e-03	5.986587e-03
	P85	1.180538e-03	4.911204e-03	1.522096e-03	4.714631e-03
	R_S	2.726169e-03	2.047400e-02	2.201179e-03	1.010086e-02
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
GB	A01	3.245679e+00	9.736077e+00	1.822478e+00	7.101360e-01
	A02	9.995617e-03	2.519122e-02	9.317232e-03	1.598438e-02
	A03	5.916003e-04	1.421450e-02	1.299378e-03	2.282118e-03
	B_nongas	1.519874e+00	1.132356e+01	6.959282e-01	3.341284e+00
	B_gas	2.767245e-01	1.380073e+00	2.458510e-01	5.386661e-01
	C10-12	1.237338e+01	7.327096e+01	1.724104e+00	2.431625e+01
	C13-15	8.773098e-01	1.080113e+01	6.097809e-01	1.159408e+01
	C16	1.043566e+00	1.254088e+00	9.249773e-02	1.061681e+00
	C17	1.684094e+00	2.728416e+01	2.920919e+00	2.474270e+01
	C18	5.021427e+00	7.000955e+01	8.395789e+00	3.537224e+01
	C19	2.834020e+00	1.791198e+01	1.387680e+00	2.428764e+01
	C24	5.564526e+00	1.653352e+01	1.195732e+00	8.152992e+00
	C20-21	9.170089e-01	1.504364e+02	7.153810e-01	5.800630e+01
	C22	7.452896e+00	3.916464e+01	4.219718e+00	3.015585e+01
	C23	2.068605e+00	5.252068e+00	1.084279e-01	3.368652e+00
	C25_33	4.873177e+00	4.743985e+01	8.115462e+00	1.346679e+02
	C25	5.854717e+00	6.633245e+01	1.046538e+01	1.552259e+02
	C26	6.283317e-01	8.718996e+00	2.371605e+00	2.101486e+01
	C27	4.722293e+00	3.841196e+01	1.043166e+01	9.933209e+01
	C28_32	1.452530e+00	4.763096e+01	1.898062e+00	7.868959e+01
	C29	4.553529e+00	7.217417e+01	7.871005e+00	1.768663e+02
	C30	3.272320e+00	3.759339e+01	5.153323e+00	9.696302e+01
	C31	1.685275e+00	1.061460e+01	8.642549e-01	6.849211e+01
	E37-39	1.309294e+00	1.064532e+00	1.766757e-01	4.893012e+00
	D35	2.042023e-01	1.130212e+00	5.030989e-01	2.987707e-01
	E36	2.378874e-02	4.789092e-02	6.692996e-03	1.826454e-02
	F	6.428495e+00	6.977092e+00	6.741230e-01	3.641024e+00
	G45	3.869016e+00	1.297511e+00	3.222862e+00	1.040702e-01
	G47	3.346688e+00	1.784894e+01	2.552308e+00	9.756540e+00

	G46	3.919386e+00	1.973042e+01	2.832411e+00	6.227664e+00
	I	3.682988e+00	1.471944e+01	5.633688e+00	1.751967e+01
	H49	3.657941e+00	1.747167e+01	2.570506e+00	8.168967e+00
	H50	3.539491e-01	1.849946e+00	2.907971e-01	1.354919e+00
	H51	1.014507e+01	2.171831e+01	8.232720e-03	2.769368e-02
	H52	1.820396e+00	6.318897e+00	7.098018e-01	1.646555e+00
	H53	3.646218e+00	2.526033e+01	5.332991e+00	1.901525e+01
	K64	6.597936e-01	2.607628e+01	1.748066e+01	2.123674e-01
	K65	4.807689e-01	5.945955e-01	4.104418e-02	1.144304e-01
	K66	4.746564e-01	8.204770e+00	3.151237e+00	7.085018e+00
	L68	1.024158e+01	1.329847e+01	1.115621e+00	3.077802e+00
	M_N	2.763049e+01	1.581524e+02	2.911433e+01	5.097564e+01
	J62_63	1.314454e+01	2.798721e+01	3.106777e+00	7.512881e+00
	O84	4.110962e-05	6.897153e-05	2.982223e-06	1.062559e-04
	P85	7.239639e-02	2.022749e-01	2.155306e-02	8.317503e-02
	R_S	1.825360e+00	1.262777e+01	4.817561e-01	3.456023e+00
	T	2.007271e+01	1.081725e+01	1.903484e+00	9.200866e-01
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
US	A01	6.076975e+01	1.956028e+02	3.501814e+01	1.419970e+01
	A02	5.750231e-03	2.075743e-02	4.734569e-03	4.594146e-03
	A03	3.625317e-08	5.931865e-03	2.660189e-08	1.221018e-06
	B_nongas	1.562172e+01	4.756035e+01	4.956448e+00	8.839116e+00
	B_gas	7.352706e-01	1.031717e+02	3.764843e-01	6.683409e+00
	C10-12	6.537849e+00	1.065405e+02	3.039467e+00	4.664593e+01
	C13-15	9.950452e-01	2.018937e+01	5.074910e-01	1.211583e+01
	C16	4.071427e+00	1.139438e+00	9.974881e-02	2.691697e+00
	C17	3.916347e+00	5.458363e+01	5.915120e+00	4.420518e+01
	C18	4.300065e+00	5.057577e+01	6.314345e+00	2.344137e+01
	C19	8.432860e+00	6.260170e+01	4.057294e+00	7.415902e+01
	C24	7.190930e+00	2.126767e+01	1.453715e+00	4.163431e+00
	C20-21	2.465717e+00	5.474600e+02	2.425400e+00	1.947666e+02
	C22	1.213678e+01	6.340374e+01	6.587153e+00	3.952378e+01
	C23	4.129549e+00	8.930618e+00	8.625386e-02	3.389138e+00
	C25_33	9.213105e+00	2.495704e+01	1.949135e+00	2.832236e+01
	C25	1.878385e+01	1.086124e+02	1.110158e+01	1.570557e+02
	C26	3.293380e+00	2.956989e+01	1.669353e+01	2.438176e+01
	C27	1.675030e+01	1.713722e+02	7.288978e+01	1.574148e+02
	C28_32	3.167647e+00	3.973746e+02	8.752047e+00	1.398629e+02
	C29	4.644751e+00	1.329551e+02	1.236958e+01	1.836320e+02
	C30	6.748678e+00	8.774069e+01	6.848642e+00	1.087871e+03
	C31	2.519279e-01	2.889829e+00	2.609040e-01	2.572194e+00
	E37-39	1.664543e-01	3.456017e+00	2.378838e-01	7.968665e+00
	D35	5.493487e-05	1.048161e-02	1.278957e-03	2.630678e-03
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	3.374241e-01	3.534054e-01	3.254603e-02	1.872009e-01
	G45	1.949739e+00	5.353553e-01	1.631537e+00	0.000000e+00
	G47	6.428886e-01	4.215808e+00	3.888253e-01	1.856794e+00
	G46	1.218225e+00	7.538185e+00	1.005165e+00	2.271447e+00

	I	5.312319e+00	2.163017e+01	8.347900e+00	2.599535e+01
	H49	6.081540e+00	3.094516e+01	4.196084e+00	1.557812e+01
	H50	6.619088e-02	3.637637e-01	5.275496e-02	2.471007e-01
	H51	5.497609e+00	1.183328e+01	0.000000e+00	0.000000e+00
	H52	1.382115e+00	5.886202e+00	6.843120e-01	1.758552e+00
	H53	4.999820e+00	1.876859e+01	3.246151e+00	1.090430e+01
	K64	3.632043e-06	7.186848e+01	4.974804e+01	8.367845e-03
	K65	2.554546e-04	3.396573e-04	2.617932e-05	7.532165e-05
	K66	0.000000e+00	2.982506e+00	1.268478e+00	2.879119e+00
	L68	2.259819e+00	2.897432e+00	2.388131e-01	6.657645e-01
	M_N	7.586096e+01	4.371991e+02	9.369689e+01	1.444999e+02
	J62_63	1.832316e+01	2.020520e+01	2.268545e-01	4.431438e-01
	O84	2.366551e-01	8.527403e-01	6.502844e-02	1.642073e-01
	P85	1.993901e-09	2.863003e-08	5.643339e-09	6.166798e-08
	R_S	1.889639e+00	1.338007e+01	1.892613e+00	4.327542e+00
	T	1.252506e-06	6.749803e-07	1.187743e-07	5.740839e-08
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
JP	A01	1.767727e-01	4.489952e-01	3.999695e-02	1.327649e-02
	A02	4.733709e-08	1.328108e-06	3.257038e-07	8.543513e-07
	A03	6.389496e-09	1.045471e-03	4.688491e-09	2.152002e-07
	B_nongas	2.988704e-01	9.635880e-01	2.050830e-01	6.500535e-02
	B_gas	0.000000e+00	1.862744e-03	0.000000e+00	7.465986e-09
	C10-12	3.542817e-01	3.925514e+00	1.512401e-01	1.427399e+00
	C13-15	7.833716e-01	9.033609e+00	4.493623e-01	4.757371e+00
	C16	1.848796e-01	4.950642e-02	4.322356e-03	1.206768e-01
	C17	4.729359e-01	7.997075e+00	8.559914e-01	7.332982e+00
	C18	1.450358e-01	2.233298e+00	2.539218e-01	1.088496e+00
	C19	3.096441e-01	2.163544e+00	1.386948e-01	3.181579e+00
	C24	1.930188e+00	9.741574e+00	1.028153e+00	3.688173e+00
	C20-21	4.362320e-01	6.943490e+01	4.390287e-01	2.432742e+01
	C22	9.780819e+00	4.810329e+01	5.245294e+00	3.048058e+01
	C23	1.913645e+00	3.874600e+00	1.389179e-03	1.526053e+00
	C25_33	1.076908e+00	2.513967e+00	1.924651e-01	2.904807e+00
	C25	4.531594e+00	2.535784e+01	2.622071e+00	3.716190e+01
	C26	1.838090e-01	1.601202e+00	9.246797e-01	1.314967e+00
	C27	3.795716e+00	2.946813e+01	1.144797e+01	1.980581e+01
	C28_32	7.716080e-01	1.030065e+02	2.123383e+00	3.513426e+01
	C29	6.040218e+00	1.891272e+02	1.738333e+01	2.595498e+02
	C30	2.696981e-01	3.379896e+00	2.714568e-01	4.575940e+01
	C31	4.239225e-04	1.114344e-03	1.466569e-04	1.960587e-02
	E37-39	6.953885e-04	4.524761e-04	8.536099e-05	5.548555e-03
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	1.724086e-01	1.805744e-01	1.662957e-02	9.565132e-02
	G45	1.967317e-04	5.401818e-05	1.646246e-04	0.000000e+00
	G47	9.464438e-05	4.251545e-04	2.631192e-05	1.253272e-04
	G46	5.126512e-05	3.172204e-04	4.229914e-05	9.558660e-05
	I	4.412790e-02	1.800430e-01	6.953667e-02	2.165417e-01

	H49	2.709445e-04	1.186345e-03	1.235347e-04	5.248145e-04
	H50	3.920098e-02	2.231881e-01	3.552055e-02	1.670125e-01
	H51	2.827496e-03	6.086018e-03	0.000000e+00	0.000000e+00
	H52	3.100421e-05	1.293020e-04	1.477511e-05	3.299513e-05
	H53	3.524897e+00	2.851769e+01	6.112655e+00	2.267314e+01
	K64	0.000000e+00	1.471807e-03	1.018847e-03	0.000000e+00
	K65	1.521612e-06	2.023164e-06	1.559368e-07	4.486523e-07
	K66	0.000000e+00	8.207238e-04	3.490588e-04	7.922739e-04
	L68	1.177393e-04	1.509540e-04	1.244004e-05	3.468165e-05
	M_N	8.216823e-04	1.546000e+01	1.232272e-03	4.024065e-02
	J62_63	2.022175e+01	2.114512e+01	0.000000e+00	0.000000e+00
	O84	4.810122e-05	8.070166e-05	3.489416e-06	1.243270e-04
	P85	1.670774e-04	2.399032e-03	4.728793e-04	5.167421e-03
	R_S	3.416864e-03	1.855999e+01	2.654605e-03	5.979368e+00
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CN	A01	1.476777e+01	4.436095e+01	7.809502e+00	2.796485e+00
	A02	1.954854e-06	5.484616e-05	1.345041e-05	3.528168e-05
	A03	1.474253e-08	2.412223e-03	1.081779e-08	4.965329e-07
	B_nongas	9.228118e+00	2.468119e+01	1.758817e+00	3.262959e-01
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	2.230826e+00	3.032064e+01	1.126481e+00	1.198283e+01
	C13-15	2.881965e+01	3.341778e+02	1.448295e+01	2.550081e+02
	C16	3.457423e+01	9.258167e+00	8.083213e-01	2.256770e+01
	C17	1.090812e+01	1.841387e+02	1.972075e+01	1.687615e+02
	C18	3.727959e+00	5.740405e+01	6.526733e+00	2.797840e+01
	C19	2.884355e+00	2.113777e+01	1.037182e+00	2.752959e+01
	C24	1.296433e+01	5.672088e+01	5.415405e+00	1.957156e+01
	C20-21	2.820353e+00	6.634512e+02	2.830326e+00	2.349987e+02
	C22	6.688821e+01	3.289646e+02	3.587106e+01	2.084479e+02
	C23	5.507547e+01	1.335618e+02	1.062130e-01	4.581681e+01
	C25_33	4.553242e+01	1.062923e+02	8.137556e+00	1.228172e+02
	C25	2.654342e+01	1.485314e+02	1.535855e+01	2.176726e+02
	C26	9.980425e+00	8.694172e+01	5.020807e+01	7.139983e+01
	C27	5.175031e+01	6.327468e+02	2.964683e+02	6.465764e+02
	C28_32	1.501407e+00	2.004317e+02	4.131711e+00	6.836477e+01
	C29	2.435748e+00	7.626647e+01	7.009916e+00	1.046648e+02
	C30	1.941475e+00	2.433085e+01	1.954136e+00	3.294082e+02
	C31	1.938433e-02	5.095461e-02	6.706052e-03	8.965003e-01
	E37-39	9.580407e-04	6.218043e-04	1.169053e-04	7.592980e-03
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	5.849802e-01	6.126865e-01	5.642390e-02	3.245436e-01
	G45	1.126091e-01	3.091998e-02	9.423107e-02	0.000000e+00
	G47	3.756673e-02	2.466238e-01	2.276441e-02	1.087095e-01
	G46	7.042332e-02	4.357684e-01	5.810668e-02	1.313081e-01
	I	3.342584e-05	1.363783e-04	5.267239e-05	1.640252e-04
	H49	3.681301e-04	1.611871e-03	1.677146e-04	7.132032e-04

	H50	9.477706e-05	4.839297e-04	5.483050e-05	2.546441e-04
	H51	1.485872e-04	3.198251e-04	0.000000e+00	0.000000e+00
	H52	4.234863e-05	1.766135e-04	2.018131e-05	4.506802e-05
	H53	1.247000e-02	1.008868e-01	2.162469e-02	8.021060e-02
	K64	0.000000e+00	3.870095e-04	2.679043e-04	0.000000e+00
	K65	1.055571e-08	1.403507e-08	1.081763e-09	3.112386e-09
	K66	0.000000e+00	1.885538e-01	8.019308e-02	1.820177e-01
	L68	1.433501e-01	1.837897e-01	1.514600e-02	4.222564e-02
	M_N	7.880031e-01	4.648969e+00	1.212219e+00	1.452548e+00
	J62_63	4.840122e-01	5.061135e-01	0.000000e+00	0.000000e+00
	O84	4.103337e-10	6.884360e-10	2.976691e-11	1.060588e-09
	P85	3.139694e-09	4.508225e-08	8.886278e-09	9.710542e-08
	R_S	1.431317e-04	3.513599e-02	2.380785e-05	8.256494e-03
	T	6.151288e-05	3.314896e-05	5.833224e-06	2.819430e-06
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CA	A01	6.029794e+00	2.059621e+01	4.268136e+00	2.512761e+00
	A02	2.947306e-02	1.909601e-02	2.920776e-03	2.305381e-02
	A03	1.701121e-03	6.786973e-03	7.848822e-04	2.294195e-04
	B_nongas	1.570309e+01	3.569483e+01	6.069799e+00	6.394441e-01
	B_gas	1.205669e-01	4.042783e-01	1.067313e-01	6.014926e-02
	C10-12	3.160173e-01	8.035538e+00	1.941498e-01	4.759899e+00
	C13-15	6.175265e-02	8.101367e-01	3.401619e-02	7.196285e-01
	C16	1.445190e+00	7.279129e-01	1.127404e-01	1.194316e+00
	C17	8.973666e-01	1.453582e+01	1.527454e+00	1.276147e+01
	C18	1.062909e-01	1.566867e+00	1.829306e-01	1.003493e+00
	C19	7.777050e-02	1.071344e+00	5.162709e-02	7.720552e-01
	C24	7.419371e-01	2.220359e+00	9.155159e-02	5.448202e-01
	C20-21	2.157728e-02	2.248008e+01	5.376725e-02	8.125399e+00
	C22	8.911347e-01	4.997449e+00	5.308017e-01	3.334774e+00
	C23	2.592381e-01	6.809170e-01	6.859787e-02	4.067080e-01
	C25_33	6.462011e-01	2.982295e+00	1.969759e-01	2.586304e+00
	C25	8.503484e-01	6.265375e+00	6.928106e-01	8.201933e+00
	C26	1.099179e-01	1.065634e+00	6.087807e-01	9.583246e-01
	C27	7.431432e-01	6.691451e+00	2.655321e+00	5.727314e+00
	C28_32	7.893561e-02	7.893202e+00	3.088479e-01	3.000660e+00
	C29	3.297540e-01	8.152384e+00	8.371027e-01	1.079824e+01
	C30	2.845589e-01	3.571983e+00	3.094991e-01	4.700796e+01
	C31	1.291568e-01	1.056999e+00	8.812590e-02	6.079258e-01
	E37-39	7.886323e-04	1.563898e-03	2.071127e-04	4.849661e-03
	D35	5.684155e-03	3.134271e-02	2.361219e-02	3.081481e-03
	E36	3.152382e-06	1.028890e-05	1.641171e-06	7.012691e-07
	F	1.087839e-01	2.871342e-01	3.135778e-02	1.453352e-02
	G45	5.949975e-02	6.387144e-02	4.910913e-02	2.104361e-02
	G47	4.558509e-02	1.871719e-01	3.315095e-02	7.855320e-02
	G46	2.919206e-01	2.450076e+00	2.198153e-01	1.262438e+00
	I	2.250462e-03	5.974903e-03	1.396852e-03	2.171759e-03
	H49	2.962711e-03	7.469531e-03	1.006709e-03	2.817079e-03
	H50	1.746677e-04	8.624058e-04	1.167931e-04	3.986007e-04

	H51	2.638456e-04	5.300643e-04	1.382764e-05	2.140041e-05
	H52	1.588291e-02	1.121670e-01	9.132207e-02	1.034263e-02
	H53	1.556693e-01	1.009010e+00	3.839700e-01	5.650262e-01
	K64	5.330064e-03	4.845403e-02	2.173809e-02	3.520189e-02
	K65	4.227359e-03	8.370097e-03	1.668885e-03	3.932493e-03
	K66	3.564384e-03	2.241260e-01	9.372435e-02	2.127501e-01
	L68	2.666334e-01	3.430667e-01	2.966866e-02	7.845996e-02
	M_N	2.916952e+00	1.802240e+01	6.451601e+00	5.000540e+00
	J62_63	7.332531e-01	7.830044e-01	5.739461e-03	8.076450e-03
	O84	2.184528e-02	4.074537e-01	2.559891e-02	1.400130e-01
	P85	5.047597e-03	2.839925e-02	1.941892e-02	3.458478e-03
	R_S	2.606200e-02	1.393333e-01	2.430015e-02	3.394831e-02
	T	1.912706e-05	1.030958e-05	1.813907e-06	9.577576e-07
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
KR	A01	1.077890e-01	2.707399e-01	2.172746e-02	8.495852e-03
	A02	5.674450e-09	1.592046e-07	3.904317e-08	1.024139e-07
	A03	2.279660e-09	3.730056e-04	1.672771e-09	7.677964e-08
	B_nongas	1.977686e-01	5.120959e-01	1.204007e-02	3.691402e-03
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	7.016759e-01	5.428933e+00	3.886896e-01	1.959723e+00
	C13-15	9.614623e-01	1.115188e+01	5.456572e-01	6.112887e+00
	C16	4.645166e-02	1.243866e-02	1.086007e-03	3.032047e-02
	C17	1.573410e+00	2.651922e+01	2.841585e+00	2.429321e+01
	C18	1.424068e-01	2.192815e+00	2.493190e-01	1.068765e+00
	C19	4.605748e+00	2.817126e+01	1.968610e+00	7.526001e+01
	C24	3.930391e+00	1.594819e+01	1.875541e+00	4.823866e+00
	C20-21	1.168354e+00	1.258591e+02	1.172666e+00	4.362175e+01
	C22	7.703523e+00	3.788689e+01	4.131274e+00	2.400697e+01
	C23	6.785324e-01	1.236564e+00	3.765913e-04	5.428473e-01
	C25_33	1.246710e+01	2.910357e+01	2.228120e+00	3.362822e+01
	C25	4.389651e+00	2.456356e+01	2.539940e+00	3.599788e+01
	C26	2.599584e-01	2.264556e+00	1.307761e+00	1.859739e+00
	C27	8.886828e+00	6.983862e+01	2.731677e+01	4.774926e+01
	C28_32	2.563905e-01	3.422709e+01	7.055594e-01	1.167444e+01
	C29	2.092390e+00	6.551549e+01	6.021756e+00	8.991058e+01
	C30	3.515534e-01	4.405719e+00	3.538459e-01	5.964772e+01
	C31	2.380904e-04	6.258561e-04	8.236788e-05	1.101137e-02
	E37-39	7.557385e-06	1.024641e-05	9.243160e-07	1.299584e-03
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	2.215570e-03	2.320506e-03	2.137014e-04	1.229185e-03
	G45	1.781540e-02	4.891715e-03	1.490789e-02	0.000000e+00
	G47	7.665593e-03	5.037542e-02	4.653234e-03	2.222121e-02
	G46	1.448488e-02	8.963017e-02	1.195156e-02	2.700786e-02
	I	2.250199e-05	9.180875e-05	3.545860e-05	1.104204e-04
	H49	2.461642e-04	1.079597e-03	1.136966e-04	4.773556e-04
	H50	5.951034e-05	3.037865e-04	3.438781e-05	1.596977e-04
	H51	9.141890e-05	1.967738e-04	0.000000e+00	0.000000e+00

	H52	2.853914e-05	1.190215e-04	1.360038e-05	3.037177e-05
	H53	9.308333e-04	7.530777e-03	1.614192e-03	5.987385e-03
	K64	0.000000e+00	2.578756e-04	1.785124e-04	0.000000e+00
	K65	7.107164e-09	9.449821e-09	7.283514e-10	2.095571e-09
	K66	0.000000e+00	1.943166e-02	8.264404e-03	1.875807e-02
	L68	1.475768e-02	1.892088e-02	1.559259e-03	4.347067e-03
	M_N	3.403093e-01	1.929779e+00	3.501366e-01	6.633985e-01
	J62_63	3.598124e-04	3.762424e-04	0.000000e+00	0.000000e+00
	O84	2.762993e-10	4.635603e-10	2.004363e-11	7.141498e-10
	P85	1.500782e-09	2.154943e-08	4.247664e-09	4.641664e-08
	R_S	9.372448e-05	6.706957e-04	1.273013e-05	1.675161e-04
	T	4.154867e-05	2.239036e-05	3.940032e-06	1.904375e-06
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
BR	A01	4.352188e+01	1.326871e+02	5.494313e+00	5.837219e+00
	A02	2.224185e-01	8.611161e-01	1.479286e-02	7.160400e-02
	A03	1.944556e-01	9.418248e-01	4.127671e-02	1.155336e-01
	B_nongas	1.193674e+02	2.676057e+02	6.534988e+01	7.355299e-01
	B_gas	1.519309e-06	1.947912e-06	1.605263e-07	4.475322e-07
	C10-12	1.334728e+01	1.836683e+02	5.097066e+00	4.753088e+01
	C13-15	8.471216e-02	7.262901e-01	3.851792e-02	7.206846e-01
	C16	3.663689e+00	9.827125e-01	8.581782e-02	2.393368e+00
	C17	9.571920e-01	1.131584e+01	1.367938e+00	9.138102e+00
	C18	8.674015e-03	1.412507e-01	1.617144e-02	7.195200e-02
	C19	2.610420e-01	2.814428e+00	1.149073e-01	4.082063e+00
	C24	1.194943e+00	4.364106e+00	3.937840e-01	1.332563e+00
	C20-21	3.125343e-01	1.674795e+01	2.098922e-01	5.427446e+00
	C22	4.038839e-01	2.033457e+00	2.208062e-01	1.298839e+00
	C23	1.680724e-01	4.910903e-01	7.141064e-03	1.764929e-01
	C25_33	2.312583e-01	5.935787e-01	4.312291e-02	6.674069e-01
	C25	5.020350e-01	2.819190e+00	2.926102e-01	4.101785e+00
	C26	2.417272e-03	4.512386e-02	1.134076e-02	2.633407e-02
	C27	1.920746e-01	1.393141e+00	4.905291e-01	8.273411e-01
	C28_32	1.896031e-02	2.380314e+00	5.060466e-02	8.197887e-01
	C29	1.014825e-01	2.795495e+00	2.684752e-01	3.774424e+00
	C30	1.483815e-01	1.857884e+00	1.492362e-01	2.514128e+01
	C31	2.041997e-03	5.009641e-03	4.793006e-04	6.324553e-03
	E37-39	1.004951e-03	8.236988e-04	1.334682e-04	5.456632e-03
	D35	4.005646e-06	5.181551e-06	6.213958e-07	1.227489e-06
	E36	2.926904e-06	3.824768e-06	4.656859e-07	9.109453e-07
	F	6.171933e-02	6.468802e-02	5.954883e-03	3.419111e-02
	G45	5.791307e-02	2.377235e-01	5.505673e-02	8.082566e-02
	G47	1.257597e-01	7.164583e-01	1.230857e-01	2.559777e-01
	G46	1.590490e-01	8.651383e-01	1.499657e-01	3.045130e-01
	I	1.484209e-04	1.294650e-03	9.332647e-05	8.084809e-04
	H49	4.859642e-04	2.090727e-03	2.364767e-04	1.436277e-03
	H50	1.088707e-04	4.903693e-04	6.216144e-05	2.560529e-04
	H51	1.481587e-04	3.121200e-04	6.227254e-06	6.505681e-06
	H52	1.788706e-04	6.593684e-04	9.639648e-05	6.726295e-04

	H53	5.949580e-03	4.807792e-02	1.030717e-02	3.821812e-02
	K64	2.842877e-05	4.037859e-04	2.572901e-04	8.374067e-06
	K65	1.304253e-05	1.672236e-05	1.378009e-06	3.841852e-06
	K66	6.321641e-06	1.384733e-02	5.886576e-03	1.336136e-02
	L68	7.774041e-03	1.006340e-02	8.367606e-04	2.467964e-03
	M_N	4.728316e-01	2.697062e+00	5.256318e-01	9.128527e-01
	J62_63	5.178800e-04	5.460630e-04	2.026639e-06	5.650080e-06
	O84	2.184794e-02	9.317246e-02	1.114072e-02	2.235718e-02
	P85	6.089367e-04	3.177045e-03	5.478261e-04	1.023058e-03
	R_S	1.772296e-04	7.700917e-04	2.195714e-05	1.897017e-04
	T	5.931108e-05	3.196243e-05	5.624429e-06	2.718511e-06
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
IN	A01	3.228522e+01	9.508374e+01	1.100031e+01	9.390094e+00
	A02	8.301098e-06	2.328989e-04	5.711588e-05	1.498202e-04
	A03	1.228735e-07	2.010497e-02	9.016225e-08	4.138416e-06
	B_nongas	3.498929e+00	1.384728e+01	1.617181e+00	5.651761e-01
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	1.195095e+01	2.502858e+02	4.657864e+00	4.629067e+01
	C13-15	6.398267e+00	7.775341e+01	3.315602e+00	5.481272e+01
	C16	1.504970e+00	7.285929e-01	5.351758e-02	1.375360e+00
	C17	4.150408e+00	6.749808e+01	7.208863e+00	6.085964e+01
	C18	1.713794e+00	2.595923e+01	2.882517e+00	1.643598e+01
	C19	7.096759e+01	4.772340e+02	3.466812e+01	5.638520e+02
	C24	2.210803e+01	5.953432e+01	5.412744e+00	1.872096e+01
	C20-21	3.262031e+00	4.667256e+02	1.882256e+00	1.742261e+02
	C22	8.584163e+00	5.552263e+01	4.751429e+00	3.521601e+01
	C23	1.037561e+01	3.752197e+01	3.175254e-01	2.748654e+01
	C25_33	8.482304e+00	2.247111e+01	2.368721e+00	2.815986e+01
	C25	4.190552e+00	2.315348e+01	3.167334e+00	2.911885e+01
	C26	1.188252e-01	1.031824e+00	5.949618e-01	8.476702e-01
	C27	1.221625e+01	9.632024e+01	3.785742e+01	8.081910e+01
	C28_32	3.014082e-01	2.634105e+01	5.950893e-01	9.167858e+00
	C29	2.058832e+00	3.089790e+01	3.023167e+00	5.572930e+01
	C30	1.102701e+00	1.121622e+01	1.009453e+00	1.343416e+02
	C31	5.747808e-01	9.377414e+00	8.364531e-01	6.934672e+00
	E37-39	3.238221e-04	6.215325e-03	5.823868e-04	4.173856e-03
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	9.338640e-01	9.780944e-01	9.007528e-02	5.181024e-01
	G45	1.224189e-01	3.361352e-02	1.024399e-01	0.000000e+00
	G47	4.039469e-02	2.642476e-01	2.432909e-02	1.161799e-01
	G46	8.045470e-02	4.978409e-01	6.638363e-02	1.500122e-01
	I	4.662745e-05	1.902413e-04	7.347547e-05	2.288073e-04
	H49	5.188966e-04	2.272214e-03	2.368178e-04	1.005078e-03
	H50	1.341483e-04	6.849610e-04	7.760908e-05	3.604327e-04
	H51	2.103459e-04	4.527571e-04	0.000000e+00	0.000000e+00
	H52	5.992432e-05	2.499124e-04	2.855704e-05	6.377233e-05
	H53	3.337152e-02	2.699877e-01	5.787079e-02	2.146552e-01

	K64	0.000000e+00	5.421932e-04	3.753291e-04	0.000000e+00
	K65	1.473204e-08	1.958800e-08	1.509758e-09	4.343790e-09
	K66	0.000000e+00	2.688777e-01	1.143553e-01	2.595572e-01
	L68	2.052714e-01	2.631793e-01	2.168845e-02	6.046538e-02
	M_N	3.956994e+00	2.830680e+01	1.718700e+01	4.982996e+00
	J62_63	5.968886e-01	6.241441e-01	0.000000e+00	0.000000e+00
	O84	5.754778e-10	9.655061e-10	4.174700e-11	1.487435e-09
	P85	5.207977e-08	7.478031e-07	1.474014e-07	1.610739e-06
	R_S	1.983540e-04	2.717907e-02	3.021140e-05	6.644045e-03
	T	8.247137e-05	4.444338e-05	7.820703e-06	3.780058e-06
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
MX	A01	7.566441e-01	2.177052e+00	2.962257e-01	2.632487e-01
	A02	3.692694e-08	1.036037e-06	2.540766e-07	6.664664e-07
	A03	2.165015e-06	2.857647e-04	1.137911e-06	5.316812e-06
	B_nongas	1.292531e-01	3.026476e-01	1.682450e-03	2.762493e-04
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	2.360992e-01	3.032156e+00	1.456697e-01	1.334965e+00
	C13-15	4.381090e-02	6.029945e-01	3.257923e-02	6.081126e-01
	C16	1.210392e-02	8.153243e-03	7.282005e-04	1.184935e-02
	C17	3.018347e-02	5.530139e-01	6.712699e-02	4.726344e-01
	C18	4.800492e-02	6.670450e-01	7.877856e-02	3.237203e-01
	C19	3.803045e-03	6.652209e-02	6.028925e-03	5.445257e-02
	C24	3.405992e-01	1.350019e+00	1.660242e-01	5.798408e-01
	C20-21	5.525715e-02	1.164417e+01	9.664455e-02	4.278800e+00
	C22	4.546328e-01	2.638277e+00	3.003649e-01	1.787549e+00
	C23	1.375231e-01	3.347714e-01	4.005548e-03	1.341005e-01
	C25_33	3.157599e-01	9.404378e-01	9.556257e-02	1.027374e+00
	C25	3.243684e-01	1.857896e+00	2.019806e-01	2.659354e+00
	C26	2.394997e-01	2.028158e+00	1.109062e+00	1.654493e+00
	C27	9.814337e-01	1.164575e+01	4.839880e+00	1.137123e+01
	C28_32	1.963106e-01	2.308452e+01	5.212671e-01	7.947151e+00
	C29	4.719346e-01	1.215346e+01	1.289147e+00	1.514579e+01
	C30	1.052060e-01	1.316598e+00	1.155727e-01	1.677502e+01
	C31	7.501729e-02	1.748156e+00	2.715796e-01	1.100902e+00
	E37-39	1.753387e-03	8.503690e-03	1.430878e-03	1.288461e-02
	D35	4.964346e-05	2.774396e-04	2.870202e-05	4.063463e-04
	E36	2.192823e-04	1.225999e-03	1.267807e-04	1.796315e-03
	F	5.302429e-02	1.652569e-01	3.571720e-03	1.647202e-03
	G45	1.150026e-02	7.480446e-03	9.729257e-03	1.614099e-03
	G47	5.760465e-03	3.746853e-02	4.109183e-03	1.586258e-02
	G46	1.553068e-02	9.805096e-02	1.377979e-02	3.358688e-02
	I	6.105930e-04	3.113594e-03	5.836064e-04	1.235177e-03
	H49	2.224991e-03	1.185943e-02	1.254739e-03	1.477782e-02
	H50	1.380504e-04	7.050972e-04	7.998225e-05	3.714656e-04
	H51	4.485400e-04	1.761591e-03	1.348458e-04	1.884865e-03
	H52	6.867660e-05	2.792520e-04	3.117090e-05	7.923295e-05
	H53	5.673009e-03	4.348303e-02	9.223978e-03	3.407464e-02
	K64	0.000000e+00	5.671913e-04	3.926338e-04	0.000000e+00

	K65	1.539946e-08	2.047542e-08	1.578157e-09	4.540584e-09
	K66	0.000000e+00	2.993313e-03	1.273074e-03	2.889552e-03
	L68	1.823599e-03	3.109012e-03	3.499920e-04	8.290228e-04
	M_N	4.955920e-01	2.804492e+00	4.966086e-01	9.714816e-01
	J62_63	1.678868e-02	1.856005e-02	2.191963e-04	4.253965e-04
	O84	6.014734e-10	1.009120e-09	4.363280e-11	1.554626e-09
	P85	1.603593e-04	9.008049e-04	1.600350e-04	3.113264e-04
	R_S	3.687663e-03	2.171370e-02	3.515894e-03	7.539215e-03
	T	9.161846e-05	4.937270e-05	8.688116e-06	4.199313e-06
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
RU	A01	5.136331e+01	1.743965e+02	1.154003e+01	4.827061e+01
	A02	5.689797e-01	3.370338e-01	3.655339e-02	4.386705e-01
	A03	1.469173e-03	1.142239e-02	1.046057e-03	3.479849e-02
	B_nongas	1.747300e+01	5.249409e+01	1.261762e+01	7.190194e+00
	B_gas	5.261670e-01	5.038176e+00	2.441511e-01	5.755612e+00
	C10-12	6.578219e+00	3.938570e+01	1.071778e+00	1.555241e+01
	C13-15	6.582047e-02	5.289462e-01	2.898455e-02	3.230000e-01
	C16	2.562635e+01	6.917693e+00	6.030669e-01	1.676339e+01
	C17	1.821354e+00	2.977317e+01	3.218386e+00	2.699921e+01
	C18	2.905270e+00	4.473449e+01	5.085738e+00	2.180588e+01
	C19	9.800419e+00	8.467157e+01	4.502836e+00	9.208013e+01
	C24	9.390537e+00	2.713874e+01	2.832473e+00	9.306121e+00
	C20-21	5.161915e-01	5.865661e+01	2.854914e-01	2.366762e+01
	C22	3.458790e-01	1.769280e+00	1.846423e-01	1.218426e+00
	C23	3.615970e-01	9.479036e-01	2.887472e-02	5.092891e-01
	C25_33	7.375859e-01	2.549408e+00	2.280125e-01	2.297773e+00
	C25	4.002972e-01	2.085899e+00	2.112805e-01	2.727906e+00
	C26	7.979597e-02	6.924123e-01	3.981662e-01	5.677344e-01
	C27	4.140647e-01	4.581600e+00	2.067542e+00	4.420527e+00
	C28_32	1.329674e-01	1.671079e+01	3.461524e-01	5.707911e+00
	C29	6.003557e-02	1.478791e+00	1.340571e-01	1.970576e+00
	C30	1.364580e-01	1.447833e+00	1.129265e-01	1.823289e+01
	C31	2.531178e-02	1.575436e-01	7.837873e-03	1.033317e-01
	E37-39	1.268794e-01	3.625329e-01	3.784178e-02	5.249015e-01
	D35	6.682903e-02	1.336297e+00	1.843758e-01	1.989544e+00
	E36	1.124699e-03	6.051697e-03	6.381435e-04	8.643730e-03
	F	1.640118e+00	1.795196e+00	1.867094e-01	9.926744e-01
	G45	1.002658e-01	2.098015e-01	6.830671e-02	8.636973e-02
	G47	1.767355e-01	1.591149e+00	1.409415e-01	8.000390e-01
	G46	1.892482e+00	1.153603e+01	1.255987e+00	6.489049e+00
	I	1.026519e+00	4.211083e+00	1.600294e+00	4.996393e+00
	H49	1.074991e+00	2.932830e+00	5.751586e-01	6.686075e-01
	H50	2.487209e-01	1.468855e+00	2.110969e-01	1.167888e+00
	H51	8.465604e+00	1.825227e+01	6.896632e-03	1.095249e-01
	H52	1.445086e+00	3.850269e+00	7.965405e-01	5.077447e-01
	H53	5.780473e-01	5.511501e+00	1.011077e+00	3.897314e+00
	K64	4.667600e-04	2.671590e-01	1.846033e-01	1.357124e-04
	K65	1.564225e-03	2.017812e-03	1.796272e-04	4.603726e-04

AU	K66	1.575938e-03	3.401910e+00	1.446306e+00	3.282308e+00
	L68	7.493361e-02	9.750660e-02	8.158757e-03	2.384443e-02
	M_N	4.290752e+00	2.476908e+01	4.335503e+00	8.664371e+00
	J62_63	9.558138e-01	9.994588e-01	0.000000e+00	0.000000e+00
	O84	2.327457e-01	1.903265e+00	1.993578e-01	9.668752e-01
	P85	2.852803e-02	3.559186e-01	4.298794e-02	1.855477e-01
	R_S	4.619919e-02	8.713095e-01	7.673069e-02	3.719108e-01
	T	1.060786e-05	5.716520e-06	1.005936e-06	4.862091e-07
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.816873e+01	8.325177e+01	8.559460e+00	7.375645e+00
	A02	5.423876e-04	8.845029e-04	1.106841e-04	3.676288e-04
	A03	1.990004e-04	4.212402e-03	9.932152e-05	3.101886e-04
	B_nongas	1.223383e+01	2.624535e+01	9.326172e-01	8.262930e-01
	B_gas	3.324995e-02	1.375687e-01	2.371207e-02	4.904323e-02
	C10-12	2.157101e+00	4.496470e+01	6.799995e-01	1.567934e+01
	C13-15	8.216403e-02	1.062799e+00	3.959070e-02	8.832759e-01
	C16	1.502610e-01	1.288307e-01	1.390252e-02	1.695798e-01
	C17	4.593451e-01	7.755079e+00	8.304305e-01	7.108153e+00
	C18	8.681568e-02	1.296507e+00	1.477021e-01	7.312803e-01
	C19	6.876367e-03	3.368897e-02	3.037654e-03	3.886969e-02
	C24	2.017027e+00	7.176029e+00	3.386695e-01	1.373257e+00
	C20-21	2.058729e-02	2.489433e+01	1.829643e-02	8.979716e+00
	C22	8.450304e-01	4.155746e+00	4.535607e-01	2.631377e+00
	C23	1.301133e-01	2.818573e-01	3.506396e-03	1.193248e-01
	C25_33	3.239342e-01	7.751713e-01	6.293605e-02	8.655840e-01
	C25	3.643440e-01	2.038220e+00	2.120002e-01	2.968825e+00
	C26	3.217943e-02	2.775821e-01	1.589524e-01	2.263271e-01
	C27	3.302646e-01	2.944719e+00	1.224699e+00	2.348250e+00
	C28_32	2.213874e-02	2.734996e+00	5.776937e-02	9.328379e-01
	C29	1.038979e-01	3.139260e+00	2.900724e-01	4.288302e+00
	C30	2.535287e-02	2.983109e-01	2.520199e-02	3.872733e+00
	C31	8.976531e-04	3.803072e-03	6.466089e-04	5.060434e-03
	E37-39	6.672328e-03	1.112005e-02	1.645323e-03	1.473973e-02
	D35	6.369692e-02	7.779317e-02	8.001851e-03	3.663257e-02
	E36	2.394360e-03	3.689312e-03	4.685957e-04	1.684395e-03
	F	1.822005e+00	2.195304e+00	2.329596e-01	1.098022e+00
	G45	2.971927e-01	3.246836e+00	1.298188e-01	8.171372e-01
	G47	3.483278e-01	5.103025e+00	1.046945e-01	1.325759e+00
	G46	1.093375e+00	1.902603e+01	1.622132e+00	8.502080e+00
	I	1.563939e-03	2.695945e-03	3.095912e-04	7.413305e-04
	H49	1.557863e-02	4.140445e-02	5.320947e-03	1.142926e-02
	H50	3.471519e-04	1.149068e-03	1.118061e-04	5.192083e-04
	H51	9.522596e-03	7.438317e-02	8.872068e-03	5.856208e-01
	H52	1.239473e-02	1.627312e-02	7.371059e-04	1.451685e-03
	H53	3.515809e-01	6.991023e-01	8.195028e-02	2.958357e-01
	K64	1.192202e-02	6.364939e-02	1.206752e-02	2.214196e-02
	K65	3.420235e-02	4.211057e-02	1.446455e-03	2.786623e-03
	K66	2.515956e-02	8.385114e-02	1.924543e-02	4.195069e-02

	L68	2.643188e-02	3.366909e-02	2.588739e-03	7.124261e-03
	M_N	1.885102e+00	1.049615e+01	1.865384e+00	3.606968e+00
	J62_63	2.622066e+00	2.773818e+00	7.022254e-03	1.398087e-02
	O84	8.721800e-02	1.265488e-01	7.816743e-03	1.492050e-02
	P85	2.570639e-02	6.207755e-02	7.783367e-03	1.485696e-02
	R_S	1.311524e-02	5.329303e-02	6.412478e-03	1.552917e-02
	T	2.375599e-05	1.045090e-04	1.890415e-05	3.512472e-05
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
CH	A01	6.771475e-02	1.865539e-01	2.136344e-02	1.768486e-02
	A02	9.709654e-08	2.724179e-06	6.680747e-07	1.752422e-06
	A03	3.717401e-09	6.082536e-04	2.727758e-09	1.252032e-07
	B_nongas	1.058146e+00	3.450667e+00	9.384018e-01	3.032945e-01
	B_gas	2.108600e-05	3.525435e-05	3.280361e-07	1.883789e-05
	C10-12	1.078317e+00	1.166645e+01	6.889573e-01	5.603427e+00
	C13-15	1.643376e-01	1.875998e+00	8.397860e-02	1.441295e+00
	C16	5.796764e-01	1.596982e-01	1.409629e-02	3.802361e-01
	C17	1.232270e-01	2.069035e+00	2.219707e-01	1.893212e+00
	C18	1.164506e+00	1.792111e+01	2.037795e+00	8.734427e+00
	C19	8.864213e-01	8.500595e+00	4.105616e-01	1.055421e+01
	C24	5.712174e+00	1.219620e+01	4.447123e-01	4.531208e-01
	C20-21	7.771870e-02	2.187274e+02	8.050485e-02	7.897222e+01
	C22	9.104009e-01	4.458281e+00	4.856961e-01	2.832459e+00
	C23	9.850621e-01	2.038100e+00	3.438722e-02	7.491500e-01
	C25_33	1.376835e+00	3.269743e+00	2.490603e-01	3.727123e+00
	C25	9.893571e-01	5.710044e+00	5.732757e-01	8.151383e+00
	C26	7.984086e-02	7.116447e-01	3.909116e-01	5.738765e-01
	C27	1.944606e+00	1.541220e+01	5.682514e+00	9.981605e+00
	C28_32	1.376584e+00	1.829820e+02	3.772375e+00	6.241256e+01
	C29	8.389263e-03	2.653789e-01	2.410796e-02	3.600566e-01
	C30	4.219329e-02	5.252094e-01	4.220399e-02	7.098460e+00
	C31	2.865611e-02	6.262619e-02	2.987142e-03	1.373897e-01
	E37-39	4.622363e-03	2.146307e-02	3.619353e-03	1.130625e-02
	D35	2.217881e-03	1.167989e-02	2.184154e-03	5.937401e-03
	E36	2.195236e-03	1.161319e-02	2.172585e-03	5.902890e-03
	F	1.006583e-01	2.892361e-01	6.091257e-02	1.079217e-01
	G45	2.823982e-02	2.534787e-02	2.301166e-02	8.565279e-03
	G47	2.597032e-01	3.509645e+00	1.611266e-01	1.405532e+00
	G46	2.913057e-01	3.704006e+00	1.798213e-01	1.488402e+00
	I	7.626468e-03	4.154856e-02	6.822591e-03	1.527190e-02
	H49	1.294324e-02	9.508139e-02	1.173497e-02	7.084047e-01
	H50	3.685794e-03	2.748153e-02	3.407568e-03	2.037049e-01
	H51	5.114886e-03	3.601222e-02	4.527389e-03	2.542490e-01
	H52	1.463901e-02	8.779567e-02	1.000924e-02	6.977057e-01
	H53	1.976705e-01	5.798345e-01	9.177503e-02	3.286392e-01
	K64	1.387938e-02	2.650643e-02	3.574012e-03	6.821588e-03
	K65	5.194270e-03	1.051268e-02	1.301727e-03	2.865804e-03
	K66	1.624571e-02	1.781446e-01	6.665777e-02	1.513560e-01
	L68	8.892560e-02	1.287689e-01	9.842132e-03	3.127465e-02

	M_N	3.392196e+00	2.221065e+01	3.499456e+00	7.945882e+00
	J62_63	5.514522e+00	5.791786e+00	6.744722e-03	1.666872e-02
	O84	7.964426e-03	1.950455e-02	1.134421e-02	3.593512e-03
	P85	8.615789e-03	4.881168e-02	1.206073e-02	1.569103e-02
	R_S	5.396245e-03	4.262426e-02	5.189537e-03	1.819680e-02
	T	2.327448e-04	2.063692e-03	1.876574e-04	9.092700e-04
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
TR	A01	1.191814e+01	6.192709e+01	7.369169e+00	1.748204e+01
	A02	7.239206e-05	4.287326e-04	1.429210e-04	4.265359e-04
	A03	5.086891e-06	7.604535e-02	4.978631e-06	7.939905e-04
	B_nongas	7.605640e+00	2.456049e+01	1.808234e+00	2.198437e-01
	B_gas	6.154167e-06	2.452930e-05	2.436991e-06	7.552218e-06
	C10-12	1.094384e+01	1.340626e+02	4.704344e+00	6.472370e+01
	C13-15	9.196481e+00	1.113714e+02	5.041717e+00	7.638110e+01
	C16	9.852250e+00	3.544781e+00	3.257774e-01	6.976966e+00
	C17	7.977836e+00	1.318141e+02	1.402256e+01	1.199273e+02
	C18	7.626716e-01	1.184000e+01	1.331274e+00	6.787327e+00
	C19	4.510868e+00	2.676271e+01	2.122288e+00	8.596754e+01
	C24	7.487813e+00	1.851910e+01	8.407429e-01	3.519391e+00
	C20-21	2.584181e+00	1.803735e+02	2.033192e+00	6.917424e+01
	C22	2.071228e+01	1.043664e+02	1.113057e+01	6.573186e+01
	C23	1.416193e+01	2.767610e+01	4.527222e-01	1.346047e+01
	C25_33	1.117090e+01	3.323058e+01	2.960791e+00	2.933642e+01
	C25	4.703287e+00	2.340983e+01	2.406087e+00	2.915007e+01
	C26	3.531797e-02	3.200225e-01	1.837122e-01	2.739667e-01
	C27	6.911607e+00	4.567646e+01	1.624219e+01	2.568095e+01
	C28_32	1.361175e-01	1.530857e+01	3.430695e-01	5.268043e+00
	C29	1.100569e+00	1.765698e+01	1.878964e+00	2.343702e+01
	C30	1.614603e-01	1.730996e+00	1.482347e-01	2.050195e+01
	C31	7.476006e-01	1.300951e+00	9.681182e-02	1.349924e+00
	E37-39	3.243030e-03	4.200902e-02	1.144504e-03	5.770071e-02
	D35	1.518514e+00	1.024102e+01	3.638021e+00	5.406751e+00
	E36	8.211106e-02	4.586091e-01	4.808137e-02	6.598124e-01
	F	9.161719e-03	4.432081e-02	5.089814e-03	7.936125e-02
	G45	3.110783e-01	1.440805e+00	3.144958e-01	1.679558e+00
	G47	1.599487e-01	8.527484e-01	1.084801e-01	9.630853e-01
	G46	6.166447e-02	3.447810e-01	5.176863e-02	1.060207e-01
	I	5.229216e-01	2.129072e+00	8.198014e-01	2.557260e+00
	H49	1.060259e-03	9.307366e-03	9.026057e-04	9.957196e-03
	H50	4.630575e-04	3.247413e-03	6.075169e-04	6.030823e-03
	H51	1.412756e+00	3.081640e+00	3.958281e-03	6.665262e-01
	H52	3.517508e-03	1.292958e-02	1.551825e-03	1.347915e-02
	H53	4.512998e-01	3.416201e+00	7.247761e-01	2.688317e+00
	K64	1.851283e-02	1.496359e-01	5.916656e-02	1.415025e-01
	K65	3.709791e-04	1.112584e-03	2.511505e-04	9.801845e-04
	K66	6.392246e-04	8.268572e-02	3.543938e-02	7.944398e-02
	L68	7.332936e-02	9.415555e-02	7.796795e-03	2.177202e-02
	M_N	4.434808e-01	2.607962e+00	4.695984e-01	9.669868e-01

TW	J62_63	2.992868e-01	3.138854e-01	5.216438e-04	8.037207e-04
	O84	2.811460e-04	2.644397e-03	9.412681e-04	7.570702e-04
	P85	2.391198e-03	2.829787e-02	9.379881e-03	3.886159e-02
	R_S	3.126686e-02	2.714670e-01	1.423463e-01	2.141732e-01
	T	9.198302e-05	4.956916e-05	8.722687e-06	4.216022e-06
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.036861e+00	6.035389e+00	1.009256e+00	4.064869e-01
	A02	2.899483e-07	8.134905e-06	1.994995e-06	5.233058e-06
	A03	1.882621e-09	3.080408e-04	1.381432e-09	6.340726e-08
	B_nongas	1.346909e+00	3.420361e+00	2.559673e-01	3.761453e-02
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	2.552264e-01	3.814937e+00	1.412331e-01	1.592440e+00
	C13-15	3.131907e+00	3.630107e+01	1.641052e+00	2.512508e+01
	C16	4.977094e+00	1.332749e+00	1.163610e-01	3.248708e+00
	C17	1.718071e+00	2.900473e+01	3.106251e+00	2.658319e+01
	C18	5.378641e-01	8.282167e+00	9.416668e-01	4.036680e+00
	C19	7.828448e-01	5.146796e+00	3.714553e-01	6.434834e+00
	C24	1.846644e+00	8.077878e+00	7.677392e-01	2.785679e+00
	C20-21	3.685212e-01	9.488774e+01	3.697624e-01	3.365735e+01
	C22	8.606306e+00	4.232689e+01	4.615422e+00	2.682037e+01
	C23	7.195001e+00	1.526149e+01	6.501298e-03	5.727451e+00
	C25_33	5.788206e+00	1.351216e+01	1.034468e+00	1.561286e+01
	C25	3.730805e+00	2.087680e+01	2.158718e+00	3.059493e+01
	C26	8.481456e-01	7.388386e+00	4.266728e+00	6.067622e+00
	C27	7.314756e+00	8.488385e+01	3.913763e+01	8.396929e+01
	C28_32	1.882526e-01	2.513095e+01	5.180510e-01	8.571858e+00
	C29	3.395511e-01	1.063179e+01	9.772047e-01	1.459060e+01
	C30	2.344375e-01	2.938005e+00	2.359663e-01	3.977678e+01
	C31	2.052718e-03	5.395876e-03	7.101422e-04	9.493555e-02
	E37-39	1.223449e-03	7.937383e-04	1.490225e-04	9.677575e-03
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	1.425072e-01	1.492568e-01	1.374545e-02	7.906220e-02
	G45	2.625193e-02	7.208201e-03	2.196756e-02	0.000000e+00
	G47	9.608373e-03	6.301360e-02	5.812139e-03	2.775526e-02
	G46	1.383710e-02	8.562180e-02	1.141707e-02	2.580003e-02
	I	4.246489e-05	1.732579e-04	6.691612e-05	2.083811e-04
	H49	4.643381e-04	2.035979e-03	2.143086e-04	9.000361e-04
	H50	1.196263e-04	6.094943e-04	6.847298e-05	3.178857e-04
	H51	1.867851e-04	4.020438e-04	0.000000e+00	0.000000e+00
	H52	5.389886e-05	2.247834e-04	2.568559e-05	5.735995e-05
	H53	3.328327e-03	2.692736e-02	5.771775e-03	2.140875e-02
	K64	0.000000e+00	4.927102e-04	3.410748e-04	0.000000e+00
	K65	1.339759e-08	1.781370e-08	1.373003e-09	3.950325e-09
	K66	0.000000e+00	4.977471e-02	2.116949e-02	4.804930e-02
	L68	3.746268e-02	4.803105e-02	3.958211e-03	1.103512e-02
	M_N	2.159823e-01	1.273208e+00	3.299600e-01	3.986042e-01
	J62_63	1.270202e-01	1.328202e-01	0.000000e+00	0.000000e+00

NO	O84	5.223264e-10	8.763315e-10	3.789123e-11	1.350055e-09
	P85	2.881857e-09	4.138002e-08	8.156521e-09	8.913094e-08
	R_S	1.783162e-04	9.765535e-03	2.530692e-05	2.307289e-03
	T	7.963087e-05	4.291265e-05	7.551341e-06	3.649864e-06
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	2.167922e-02	5.648960e-02	3.223769e-03	2.267155e-03
	A02	8.694343e-04	1.622972e-03	2.160957e-04	2.030858e-04
	A03	2.104006e-03	1.372562e-01	8.131988e-04	5.705900e-03
	B_nongas	1.331324e+00	4.099620e+00	2.242131e-01	5.277538e-01
	B_gas	1.782595e-01	8.146342e+01	5.468098e-01	1.801873e+00
	C10-12	4.581257e-01	4.639663e+00	2.168113e-01	1.414015e+00
	C13-15	1.354075e-02	1.529509e-01	7.237950e-03	1.020390e-01
	C16	5.592931e-01	1.544990e-01	1.354375e-02	3.711602e-01
	C17	1.388928e-01	2.549270e+00	2.390069e-01	2.152948e+00
	C18	1.563612e-02	2.554264e-01	2.945286e-02	1.260625e-01
	C19	9.792254e-01	8.476556e+00	4.968930e-01	7.010171e+00
	C24	2.421464e-01	7.270870e-01	3.987601e-02	1.543484e-01
	C20-21	5.464914e-02	5.028089e+00	5.853689e-02	1.798518e+00
	C22	4.684297e-01	2.442363e+00	2.520165e-01	1.523154e+00
	C23	9.202464e-02	3.118523e-01	1.781114e-02	1.323384e-01
	C25_33	2.612205e-01	7.501270e-01	8.880919e-02	7.502342e-01
	C25	1.040950e+00	7.833228e+00	1.340656e+00	6.859680e+00
	C26	9.511619e-03	8.288796e-02	4.781995e-02	6.805696e-02
	C27	3.001094e-01	2.283266e+00	8.668961e-01	1.494042e+00
	C28_32	4.306249e-02	5.353821e+00	1.140505e-01	1.924585e+00
	C29	1.309712e-02	2.391452e-01	2.463500e-02	4.472954e-01
	C30	1.420651e-01	1.248527e+00	2.353732e-01	9.688751e+00
	C31	5.847985e-03	2.299059e-02	1.771520e-03	4.781809e-02
	E37-39	2.197874e-03	1.434563e-03	2.698284e-04	1.749550e-02
	D35	3.789919e-03	9.149570e-02	1.297039e-02	4.099723e-02
	E36	1.652919e-07	2.392857e-07	2.396801e-08	9.055677e-08
	F	2.644482e-02	1.630884e-01	4.060510e-02	1.545034e-01
	G45	4.698962e-04	5.507479e-04	3.622456e-04	6.286191e-04
	G47	1.262159e-02	2.761249e-01	3.602617e-02	1.206189e-01
	G46	7.572001e-02	1.712743e+00	2.217135e-01	7.488005e-01
	I	9.890849e-05	4.356860e-04	1.306367e-04	5.535019e-04
	H49	4.061033e-03	7.192603e-02	8.967006e-03	3.057963e-02
	H50	5.153139e-03	2.866937e-02	5.060798e-03	1.000544e-02
	H51	9.606574e-03	2.050290e-01	2.563202e-02	8.758112e-02
	H52	8.513419e-04	3.362490e-03	7.212651e-04	1.529725e-03
	H53	9.090916e-03	6.985920e-02	1.404744e-02	6.007859e-02
	K64	1.272861e-10	8.847427e-04	6.124543e-04	8.581519e-10
	K65	2.433138e-08	5.352114e-04	2.294358e-04	5.100585e-04
	K66	0.000000e+00	3.834214e-02	1.630715e-02	3.701303e-02
	L68	2.841614e-02	3.660344e-02	3.022673e-03	8.639846e-03
	M_N	1.525855e-01	8.418082e-01	1.509223e-01	3.239427e-01
	J62_63	3.323964e-03	3.804210e-03	4.225479e-05	5.888094e-04
	O84	1.133233e-04	6.402697e-04	1.132495e-04	2.213024e-04

ID	P85	6.965936e-08	1.344701e-07	1.935181e-08	1.790014e-07
	R_S	5.384050e-04	2.924026e-03	1.996197e-04	1.588109e-03
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	4.694418e+00	1.248976e+01	1.199619e+00	1.169133e+00
	A02	2.094836e-06	5.877357e-05	1.441356e-05	3.780812e-05
	A03	2.806448e-08	4.592005e-03	2.059319e-08	9.452203e-07
	B_nongas	1.295409e-01	4.637319e-01	6.162414e-02	1.285369e-01
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	C10-12	8.812421e+00	4.830270e+01	1.103514e+00	1.803905e+01
	C13-15	1.192452e+00	1.366487e+01	6.258934e-01	9.406042e+00
	C16	5.550318e+00	1.486245e+00	1.297625e-01	3.622869e+00
	C17	4.051053e+00	6.202694e+01	6.865837e+00	5.508879e+01
	C18	4.293850e-01	6.611777e+00	7.517466e-01	3.222542e+00
	C19	1.102026e-02	1.302057e-01	3.719827e-03	1.988661e-01
	C24	2.559932e-01	1.252894e+00	1.236647e-01	4.494579e-01
	C20-21	2.834870e-02	3.813742e+01	2.424643e-02	1.376353e+01
	C22	2.473705e+00	1.216599e+01	1.326608e+00	7.708962e+00
	C23	4.094780e-01	1.023831e+00	9.124253e-04	3.467415e-01
	C25_33	2.988163e-01	6.975658e-01	5.340446e-02	8.060143e-01
	C25	2.571769e-01	1.439108e+00	1.488077e-01	2.109011e+00
	C26	1.221376e-01	1.063968e+00	6.144321e-01	8.737707e-01
	C27	5.668866e-01	4.878725e+00	2.000076e+00	3.736703e+00
	C28_32	1.088690e-02	1.453357e+00	2.995960e-02	4.957223e-01
	C29	5.001870e-01	1.566151e+01	1.439504e+00	2.149317e+01
	C30	1.393946e-01	1.746913e+00	1.403036e-01	2.365094e+01
	C31	6.117886e-04	1.608178e-03	2.116496e-04	2.829443e-02
	E37-39	7.033067e-07	2.217754e-06	2.567531e-07	5.274161e-06
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	F	9.043177e-05	9.471488e-05	8.722541e-06	5.017103e-05
	G45	3.295645e-03	9.049113e-04	2.757788e-03	0.000000e+00
	G47	1.125005e-03	7.227162e-03	6.566534e-04	3.135531e-03
	G46	2.038078e-03	1.261130e-02	1.681630e-03	3.800107e-03
	I	2.943363e-05	1.200900e-04	4.638146e-05	1.444349e-04
	H49	3.261798e-04	1.428795e-03	1.492751e-04	6.319235e-04
	H50	8.378307e-05	4.276145e-04	4.836978e-05	2.246232e-04
	H51	1.315026e-04	2.830515e-04	0.000000e+00	0.000000e+00
	H52	3.745527e-05	1.562060e-04	1.784937e-05	3.986044e-05
	H53	2.869566e-04	2.321583e-03	4.976221e-04	1.845787e-03
	K64	0.000000e+00	3.419683e-04	2.367249e-04	0.000000e+00
	K65	9.349842e-09	1.243173e-08	9.581840e-10	2.756832e-09
	K66	0.000000e+00	1.047638e-03	4.455668e-04	1.011322e-03
	L68	1.841922e-04	2.361536e-04	1.946128e-05	5.425622e-05
	M_N	5.637523e-02	3.192684e-01	5.690013e-02	1.101277e-01
	J62_63	4.733091e-04	4.949216e-04	0.000000e+00	0.000000e+00
	O84	3.623304e-10	6.078987e-10	2.628460e-11	9.365141e-10
	P85	1.827624e-09	2.624250e-08	5.172726e-09	5.652532e-08

ZA	R_S	1.232633e-04	6.550825e-04	1.671327e-05	1.662743e-04
	T	5.287302e-05	2.849299e-05	5.013912e-06	2.423424e-06
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
	A01	4.185864e+00	1.381586e+01	2.708071e+00	2.444474e+00
	A02	2.777509e-06	7.792691e-05	1.911071e-05	5.012916e-05
	A03	1.004312e-09	1.643289e-04	7.369450e-10	3.382552e-08
	B_nongas	2.277221e+01	6.217830e+01	8.689358e+00	9.803025e+00
	B_gas	1.205991e-02	3.046190e-02	6.780037e-03	2.343557e-03
	C10-12	6.694614e-01	9.298855e+00	3.767760e-01	4.024409e+00
	C13-15	4.631568e-02	4.942232e-01	2.277443e-02	3.092175e-01
	C16	6.640191e-02	8.742822e-02	2.865638e-03	7.328138e-02
	C17	9.369923e-02	9.710070e-01	1.211867e-01	6.929085e-01
	C18	5.739975e-02	8.601794e-01	1.275579e-01	4.754173e-01
	C19	1.077829e-01	7.411376e-01	4.539619e-02	7.040360e-01
	C24	2.688077e+00	5.962850e+00	3.045224e-01	6.205803e-01
	C20-21	4.528695e-02	3.230328e+01	3.363414e-02	1.175591e+01
	C22	2.616657e-01	1.320893e+00	1.395055e-01	8.325846e-01
	C23	1.069922e-01	3.276515e-01	3.013017e-03	1.214014e-01
	C25_33	3.302400e-01	9.414671e-01	1.157384e-01	1.272761e+00
	C25	1.884852e-01	1.460841e+00	1.778605e-01	1.666310e+00
	C26	3.517726e-02	3.050282e-01	1.738382e-01	2.488246e-01
	C27	1.756281e-01	2.495502e+00	9.679077e-01	2.249858e+00
	C28_32	1.878888e-02	2.423720e+00	5.304840e-02	8.348810e-01
	C29	1.149129e-01	2.269795e+00	2.331662e-01	3.278404e+00
	C30	6.478321e-03	1.184740e-01	6.525134e-03	6.321859e-01
	C31	1.547726e-02	2.827252e-01	5.620605e-03	2.666512e-01
	E37-39	2.645027e-02	7.189749e-02	5.230042e-03	2.016004e-02
	D35	2.363414e-06	3.030280e-06	2.497364e-07	6.962055e-07
	E36	3.588890e-08	4.660321e-08	3.895711e-09	1.070494e-08
	F	1.057893e-02	1.108001e-02	1.020389e-03	5.869136e-03
	G45	9.222155e-03	2.621503e-03	7.691540e-03	2.702190e-05
	G47	6.558875e-03	3.635766e-02	4.444285e-03	1.430671e-02
	G46	1.739470e-02	8.102326e-02	1.181294e-02	2.467953e-02
	I	5.430844e-05	1.906778e-04	6.903085e-05	2.147617e-04
	H49	6.115490e-03	1.784535e-01	1.643125e-02	2.435402e-01
	H50	5.490961e-05	2.848279e-04	3.427024e-05	1.595561e-04
	H51	4.689150e-04	3.961824e-03	2.864322e-04	4.827208e-02
	H52	1.761347e-04	6.722784e-04	6.902202e-05	2.454789e-04
	H53	1.512922e-02	1.223732e-01	2.622952e-02	9.729050e-02
	K64	1.980680e-04	7.442206e-04	3.603177e-04	5.834350e-05
	K65	2.043142e-04	2.619527e-04	2.158727e-05	6.018341e-05
	K66	0.000000e+00	8.746269e-03	3.719841e-03	8.443084e-03
	L68	1.191370e-02	3.093859e-02	4.322258e-03	8.950472e-03
	M_N	2.822403e-01	1.620633e+00	3.410858e-01	5.383110e-01
	J62_63	6.719874e-02	7.027198e-02	1.387596e-06	4.389324e-06
	O84	4.261804e-10	7.150228e-10	3.091648e-11	1.101547e-09
	P85	1.565104e-06	3.752800e-06	1.997048e-07	1.043507e-06
	R_S	1.119177e-04	6.766838e-04	1.506627e-05	1.647070e-04

	T	1.178667e-02	9.424192e-02	7.527812e-03	4.043855e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WA	A01	7.424982e+01	2.442371e+02	2.824439e+01	3.728411e+01
	A02	4.995754e-01	2.009774e+00	8.471801e-02	8.677830e-01
	A03	2.942903e-01	3.579225e+00	7.910840e-02	1.869803e+00
	B_nongas	1.239303e+01	3.568814e+01	1.110820e+00	6.581745e+00
	B_gas	1.286856e+00	7.678557e+00	7.169084e-01	9.963950e+00
	C10-12	1.007967e+01	1.319192e+02	4.247500e+00	5.102374e+01
	C13-15	2.685643e+00	3.135481e+01	1.556090e+00	1.740195e+01
	C16	1.090583e+01	3.147130e+00	2.866579e-01	7.215418e+00
	C17	1.814319e+00	2.632840e+01	2.875386e+00	2.331563e+01
	C18	2.682969e+00	3.904723e+01	4.510148e+00	1.894750e+01
	C19	6.302492e+00	6.954457e+01	3.017703e+00	6.563543e+01
	C24	1.469083e+01	4.409056e+01	3.575047e+00	1.159900e+01
	C20-21	4.883385e-02	4.079957e+02	2.456477e-02	1.475147e+02
	C22	2.450066e+01	1.207967e+02	1.318133e+01	7.699504e+01
	C23	4.785629e+00	1.296452e+01	2.969879e-01	4.967028e+00
	C25_33	1.129481e+01	2.754286e+01	2.208371e+00	3.155158e+01
	C25	8.558510e+00	4.799191e+01	5.064204e+00	6.946199e+01
	C26	3.074364e+00	2.726497e+01	1.551986e+01	2.253299e+01
	C27	9.382145e+00	1.190628e+02	5.576001e+01	1.276384e+02
	C28_32	2.207091e-01	1.914380e+01	5.550929e-01	7.048974e+00
	C29	3.100439e+00	9.029898e+01	8.407506e+00	1.238244e+02
	C30	1.370705e+00	1.590348e+01	1.319306e+00	2.039735e+02
	C31	8.201851e-01	1.429748e+00	1.511920e-01	1.525791e+00
	E37-39	8.173850e-01	2.169161e+00	2.104837e-01	2.866139e+00
	D35	6.386690e-01	2.979863e+00	4.342612e-01	2.073812e+00
	E36	6.411753e-02	2.502451e-01	4.140957e-02	2.195115e-01
	F	3.361282e+00	4.782297e+00	5.329896e-01	2.843506e+00
	G45	2.362683e+00	5.306931e+00	1.817724e+00	4.059217e+00
	G47	1.971846e+00	1.288380e+01	1.256607e+00	7.063167e+00
	G46	5.646949e+00	3.379932e+01	4.237823e+00	2.161449e+01
	I	1.406799e+00	6.983705e+00	1.528844e+00	5.457039e+00
	H49	5.647098e+00	2.816024e+01	4.031880e+00	1.531281e+01
	H50	2.215268e-01	1.233184e+00	1.784676e-01	1.271480e+00
	H51	1.525166e+00	3.600745e+00	5.760454e-02	3.503839e+00
	H52	2.158047e+00	9.124248e+00	1.091852e+00	3.825579e+00
	H53	2.063860e+00	1.536131e+01	3.251920e+00	1.182696e+01
	K64	8.990467e-02	1.235603e+01	8.264593e+00	5.445724e-01
	K65	5.226078e-02	1.576884e-01	2.745661e-02	6.049943e-02
	K66	2.246737e-02	5.911629e+00	2.512434e+00	5.461071e+00
	L68	5.493958e+00	7.245502e+00	6.079279e-01	1.753347e+00
	M_N	1.551845e+01	9.291297e+01	1.975189e+01	3.004675e+01
	J62_63	6.902606e+00	8.066381e+00	2.554519e-01	4.927686e-01
	O84	3.348825e-01	1.610641e+00	2.038413e-01	8.462492e-01
	P85	1.409468e-01	8.632171e-01	1.655249e-01	4.186366e-01
	R_S	1.182567e+00	8.862623e+00	5.809046e-01	3.026358e+00
	T	7.950951e+00	5.647979e+00	9.794358e-01	1.036335e+00

	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WL	A01	5.385946e+01	1.594305e+02	1.046840e+01	9.301275e+00
	A02	4.747758e-02	1.554541e-01	4.072179e-03	5.489769e-02
	A03	4.088504e-02	2.186221e-01	5.470825e-03	6.693161e-02
	B_nongas	5.945385e+00	2.080128e+01	3.523875e+00	6.579011e+00
	B_gas	8.658423e-02	1.059273e+01	2.246648e-02	4.234268e-01
	C10-12	1.272549e+01	9.230581e+01	1.597291e+00	3.439106e+01
	C13-15	2.712520e-01	1.704123e+00	6.214486e-02	1.092385e+00
	C16	4.790250e+00	1.461839e+00	1.181674e-01	3.117676e+00
	C17	3.248708e-01	2.328308e+00	2.445266e-01	1.562496e+00
	C18	9.330013e-02	4.625642e-01	4.942537e-02	1.562104e-01
	C19	8.351705e-01	5.941732e+00	3.420094e-01	1.074587e+01
	C24	1.495779e+01	3.307291e+01	1.438847e+00	2.279116e+00
	C20-21	1.037943e-01	1.264465e+01	1.516390e-02	4.521385e+00
	C22	3.965557e-01	1.742176e+00	1.719366e-01	1.004250e+00
	C23	4.154827e-01	9.938224e-01	2.788460e-02	2.015622e-01
	C25_33	4.727982e-01	1.136026e+00	6.581010e-02	4.045161e-01
	C25	3.511371e-01	1.802398e+00	1.707973e-01	2.105227e+00
	C26	7.881504e-02	2.467391e-01	2.559218e-02	6.989428e-02
	C27	5.085639e-01	2.987550e+00	9.017076e-01	1.585953e+00
	C28_32	1.629954e-01	1.123270e+01	2.438547e-01	3.824047e+00
	C29	1.206931e-01	6.156987e-01	4.919324e-02	5.214072e-01
	C30	2.877790e-01	2.616314e+00	1.979967e-01	3.065877e+01
	C31	1.402878e-01	2.981025e-01	1.371009e-02	1.040188e-01
	E37-39	1.784297e-01	5.186180e-01	1.866368e-02	1.010893e-01
	D35	8.623480e-02	3.185722e-01	1.384438e-02	8.523244e-02
	E36	3.919803e-03	9.726443e-03	4.464562e-04	1.430287e-03
	F	2.514038e-01	4.353319e-01	3.416218e-02	1.392854e-01
	G45	1.864790e-01	5.381779e-01	7.852377e-02	1.653220e-01
	G47	3.016304e-01	1.333571e+00	5.689353e-02	4.358550e-01
	G46	3.745871e-01	1.701072e+00	1.035806e-01	5.610144e-01
	I	3.282635e-02	1.806533e-01	5.879864e-03	5.973096e-02
	H49	8.020442e-02	1.852220e-01	1.098896e-02	1.819637e-02
	H50	5.754905e-04	2.367415e-03	3.563853e-04	1.298843e-03
	H51	8.039225e-02	1.753512e-01	7.492237e-03	5.412246e-02
	H52	2.400563e-02	1.153826e-01	5.202276e-03	3.691634e-02
	H53	5.669664e-02	3.236754e-01	6.539351e-02	2.266820e-01
	K64	1.190542e-03	6.084976e-03	1.684036e-03	2.256462e-03
	K65	4.320730e-04	1.480498e-03	2.343509e-04	4.659899e-04
	K66	6.849237e-03	6.474928e-02	1.463916e-02	4.209883e-02
	L68	3.969962e-02	1.066989e-01	4.390992e-03	3.203883e-02
	M_N	8.726679e-01	4.420271e+00	7.378007e-01	1.418532e+00
	J62_63	1.826395e-01	2.163246e-01	4.071726e-03	7.167985e-03
	O84	8.786608e-02	2.321207e-01	1.067061e-02	2.964961e-02
	P85	1.649444e-02	7.572084e-02	2.220971e-03	2.524627e-02
	R_S	6.612951e-02	2.979074e-01	2.402515e-02	8.958455e-02
	T	6.404388e-03	4.403878e-02	2.066622e-03	2.108752e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

WE	A01	3.154740e+01	1.008041e+02	9.399072e+00	1.035994e+01
	A02	1.045197e-02	6.715605e-02	3.591216e-03	3.686112e-02
	A03	2.214855e-03	1.908184e-02	4.179473e-04	6.570295e-03
	B_nongas	7.886206e+00	2.038240e+01	7.860369e-02	3.221450e-01
	B_gas	1.786543e-02	1.165327e-01	6.750417e-03	7.031539e-02
	C10-12	2.995195e+00	2.522638e+01	8.342439e-01	8.985736e+00
	C13-15	8.631449e-02	1.297138e+00	4.178854e-02	1.041500e+00
	C16	2.706625e+00	7.953211e-01	6.804917e-02	1.797357e+00
	C17	3.822552e-01	6.132030e+00	6.481180e-01	5.545662e+00
	C18	1.556796e-01	1.796089e+00	2.174499e-01	8.447315e-01
	C19	4.580691e-01	5.918189e+00	2.171236e-01	4.328954e+00
	C24	2.349218e+00	1.238123e+01	1.300631e+00	4.824961e+00
	C20-21	3.194157e-01	2.717999e+00	7.950255e-02	9.752419e-01
	C22	9.639183e-01	4.827094e+00	5.090625e-01	3.006186e+00
	C23	2.771072e-01	8.378856e-01	1.605865e-02	2.504516e-01
	C25_33	4.644152e-01	1.524127e+00	1.372173e-01	1.255041e+00
	C25	5.588310e-01	3.182038e+00	3.227019e-01	4.260293e+00
	C26	9.486829e-03	8.853212e-02	2.625127e-02	6.198499e-02
	C27	2.827724e-01	2.367148e+00	8.947710e-01	1.789605e+00
	C28_32	6.693699e-02	6.845925e+00	1.508760e-01	2.368032e+00
	C29	7.863074e-02	1.269373e+00	1.379717e-01	1.565118e+00
	C30	7.060357e-02	7.392245e-01	6.102873e-02	8.363951e+00
	C31	5.541630e-02	1.563084e-01	1.009622e-02	8.771090e-02
	E37-39	1.089998e-01	3.828121e-01	2.306411e-02	2.940163e-01
	D35	1.841113e-01	8.676043e-01	5.448170e-02	3.196720e-01
	E36	1.610085e-02	6.834887e-02	3.393701e-03	2.313683e-02
	F	4.179470e-01	7.336031e-01	7.705753e-02	3.165524e-01
	G45	1.588461e-01	1.538917e-01	1.181454e-01	4.699434e-02
	G47	4.222356e-01	1.462187e+00	8.285536e-02	4.417834e-01
	G46	1.979609e-01	1.174155e+00	1.195113e-01	4.151133e-01
	I	1.974594e-01	7.618306e-01	2.780369e-01	8.661694e-01
	H49	3.386255e-01	1.468386e+00	1.844903e-01	6.227417e-01
	H50	3.900231e-02	1.707973e-01	2.359374e-02	1.066805e-01
	H51	8.100854e-01	1.755506e+00	4.236092e-03	3.669511e-02
	H52	1.051805e-01	3.868813e-01	4.137758e-02	1.110314e-01
	H53	2.665655e-01	1.633196e+00	3.292704e-01	1.200539e+00
	K64	4.707233e-03	5.692060e-01	3.829235e-01	1.988240e-02
	K65	2.582198e-03	5.982871e-03	9.010533e-04	1.728592e-03
	K66	1.122015e-03	3.009063e-01	1.298827e-01	2.782547e-01
	L68	2.803830e-01	3.709596e-01	3.048349e-02	9.004487e-02
	M_N	1.171895e+00	6.966924e+00	1.729030e+00	2.165482e+00
	J62_63	6.988183e-01	7.538788e-01	6.078954e-03	1.176412e-02
	O84	2.081413e-02	6.545763e-02	9.789794e-03	2.723495e-02
	P85	1.190852e-02	4.702006e-02	1.404439e-02	1.759442e-02
	R_S	7.172082e-02	4.661039e-01	2.759225e-02	1.359097e-01
	T	5.397244e-01	3.169932e-01	5.115521e-02	3.146875e-02
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WF	A01	2.427455e+02	6.961189e+02	1.068199e+02	1.447153e+01

A02	2.752560e-01	5.168097e-01	1.870759e-02	3.060515e-01
A03	1.503319e-01	1.459235e+00	4.110766e-02	6.740198e-01
B_nongas	1.473460e+01	4.480860e+01	8.000859e+00	5.483167e+00
B_gas	4.533622e-01	8.792338e+01	3.537428e-01	1.921129e+00
C10-12	2.707585e+00	3.516555e+01	9.325902e-01	1.268865e+01
C13-15	4.218431e-01	4.634190e+00	1.763031e-01	3.469008e+00
C16	2.861816e+00	8.792288e-01	7.214722e-02	1.881355e+00
C17	5.687367e-01	8.087440e+00	8.514537e-01	7.135025e+00
C18	1.466579e-01	1.327117e+00	1.684969e-01	5.885840e-01
C19	9.180209e-01	8.023447e+00	5.330337e-01	1.421789e+01
C24	1.329476e+01	2.867950e+01	1.537358e+00	2.658798e+00
C20-21	1.056775e-01	3.735600e+01	4.381561e-02	1.344461e+01
C22	3.602909e-01	1.618902e+00	1.618167e-01	9.292959e-01
C23	7.802102e-01	2.053996e+00	2.666163e-02	6.259265e-01
C25_33	3.967034e+00	9.321219e+00	7.139983e-01	1.039000e+01
C25	3.379994e-01	1.691589e+00	1.812920e-01	2.156273e+00
C26	4.740908e-02	1.989052e-01	6.735981e-02	1.244944e-01
C27	9.337928e-01	8.202164e+00	3.395636e+00	6.923668e+00
C28_32	7.401581e-02	3.680914e+00	9.645649e-02	1.294340e+00
C29	2.316919e-01	5.218005e+00	4.943732e-01	7.034953e+00
C30	1.840442e-01	1.747638e+00	1.391689e-01	2.103972e+01
C31	8.736226e-02	1.987301e-01	1.325708e-02	1.852220e-01
E37-39	1.356692e-01	5.266274e-01	2.448280e-02	1.482215e-01
D35	6.873937e-02	4.800790e-01	2.670258e-02	1.648491e-01
E36	8.770069e-03	3.006078e-02	1.845117e-03	9.806889e-03
F	1.746559e+00	2.379678e+00	2.343198e-01	1.163239e+00
G45	2.836801e-01	5.759680e-01	1.816569e-01	1.825285e-01
G47	3.691793e-01	2.253412e+00	1.539973e-01	8.355412e-01
G46	8.942099e-01	4.128520e+00	4.088717e-01	1.722145e+00
I	1.653442e-02	8.487383e-02	8.500568e-03	4.083041e-02
H49	1.373617e-01	4.590508e-01	3.508647e-02	1.451849e-01
H50	3.058459e-03	2.294314e-02	2.733144e-03	4.473221e-02
H51	1.029862e-01	2.529929e-01	1.437657e-02	3.690810e-01
H52	3.305586e-02	1.718047e-01	2.750961e-02	1.783500e-01
H53	4.887188e-01	3.829398e+00	8.122453e-01	2.915849e+00
K64	3.456968e-03	2.706980e-02	7.620742e-03	1.458333e-02
K65	1.953281e-03	8.018331e-03	1.367575e-03	2.753786e-03
K66	1.151915e-03	2.037347e-01	8.508550e-02	1.930075e-01
L68	1.523746e-01	2.141692e-01	1.692845e-02	5.265179e-02
M_N	2.503738e+00	1.406778e+01	2.725652e+00	4.721100e+00
J62_63	6.516500e-02	1.176072e-01	1.092048e-02	2.110189e-02
O84	6.404599e-02	2.059031e-01	2.634592e-02	4.798350e-02
P85	1.961116e-03	1.100712e-02	2.168219e-03	3.931230e-03
R_S	5.495090e-02	3.051972e-01	4.913605e-02	1.070752e-01
T	5.669634e-03	6.461241e-02	1.177496e-03	2.310784e-02
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
WM A01	4.919555e+02	1.898304e+03	1.996929e+02	1.135419e+03
A02	9.749629e+00	2.068540e+01	1.064742e+00	9.664353e+01

A03	1.226130e+01	1.320703e+02	7.264923e+00	2.378770e+01
B_nongas	5.665887e+02	2.253006e+03	3.970807e+02	1.214279e+03
B_gas	1.214541e+02	6.172070e+02	7.660844e+01	8.024595e+02
C10-12	1.926827e+02	3.026808e+03	1.015012e+02	1.659053e+03
C13-15	5.584731e+01	4.915767e+02	4.163609e+01	2.338448e+02
C16	2.903659e+02	1.678245e+02	2.490533e+01	2.249858e+02
C17	9.700087e+01	1.372382e+03	1.682338e+02	1.227902e+03
C18	3.800836e+02	5.396869e+03	6.218082e+02	2.641287e+03
C19	2.561202e+02	1.545944e+03	1.034511e+02	2.327543e+03
C24	1.464403e+02	4.741881e+02	5.659228e+01	2.000122e+02
C20-21	1.909673e+02	9.929886e+02	1.381640e+02	6.785364e+02
C22	2.235854e+02	5.159896e+02	7.503778e+00	3.935345e+01
C23	3.388920e+02	5.808308e+02	2.118213e+01	3.642566e+02
C25_33	4.184374e+02	1.136736e+03	1.188180e+02	1.166896e+03
C25	3.308481e+02	1.826823e+03	2.311311e+02	2.559940e+03
C26	2.363695e+01	2.770918e+02	1.848728e+02	2.895495e+02
C27	1.884395e+02	1.460243e+03	7.071224e+02	1.528649e+03
C28_32	3.347529e+01	7.918339e+01	4.846728e+01	5.279927e+02
C29	7.844917e+01	7.188185e+02	8.966315e+01	8.779929e+02
C30	3.489548e+01	2.761179e+02	3.471777e+01	2.634880e+03
C31	1.006267e+02	1.805382e+02	1.546912e+01	3.859292e+01
E37-39	6.731552e+02	6.953803e+02	4.232846e+01	1.874101e+03
D35	3.589764e+03	6.483247e+03	8.320694e+02	6.624474e+03
E36	3.968322e+02	5.825697e+02	2.877556e+01	7.776082e+02
F	8.204506e+03	2.415129e+03	2.320710e+02	4.722604e+03
G45	4.451379e+02	3.632210e+03	5.185524e+02	1.382359e+03
G47	1.134478e+03	7.209620e+03	8.566670e+02	3.526138e+03
G46	1.712501e+03	1.058191e+04	1.621693e+03	3.744943e+03
I	6.361449e+02	5.442038e+03	9.418602e+02	2.985750e+03
H49	8.534829e+02	6.769987e+03	1.143625e+03	6.185583e+03
H50	9.481760e+01	4.907816e+02	7.056110e+01	4.519264e+02
H51	1.311579e+02	1.776409e+03	3.814292e+02	1.647774e+03
H52	4.920630e+02	3.984076e+03	5.845122e+02	2.620858e+03
H53	1.523902e+03	1.237241e+04	3.401700e+03	8.898045e+03
K64	1.262998e+04	5.963528e+03	6.801592e+02	2.805444e+03
K65	2.283254e+03	2.877234e+03	2.170797e+02	4.790135e+02
K66	1.936256e+03	2.165973e+03	4.353519e+02	1.096049e+03
L68	7.126569e+03	1.024686e+04	1.421036e+03	2.717924e+03
M_N	8.423908e+03	5.754236e+04	9.328136e+03	1.954011e+04
J62_63	3.631562e+02	3.471548e+03	2.692694e+03	3.075147e+03
O84	8.482011e+02	2.020051e+03	1.777002e+02	1.959260e+03
P85	3.600156e+01	3.925358e+02	6.904771e+01	4.017587e+02
R_S	8.063930e+02	4.435584e+03	4.435198e+02	1.510584e+03
T	6.478584e+01	7.355814e+01	1.114597e+01	2.051884e+01
U	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

region
sector

P85

R_S

T

U

region sector

AT	A01	4.516317e-01	4.955540e-01	2.710355e-03	0.0
	A02	1.938473e-03	3.762943e-03	3.813323e-07	0.0
	A03	1.162723e-05	1.592897e-09	2.060805e-10	0.0
	B_nongas	2.021577e-01	1.148163e-01	1.753220e-02	0.0
	B_gas	2.859078e-03	2.344066e-03	5.283786e-05	0.0
	C10-12	2.094038e+00	2.822640e+00	5.419386e-02	0.0
	C13-15	7.670625e-02	3.267173e-01	2.265347e-02	0.0
	C16	2.555219e-01	5.186212e-01	1.924782e-04	0.0
	C17	3.548677e+00	4.054910e+00	3.826379e-02	0.0
	C18	7.303723e+00	7.131416e+00	2.920351e-04	0.0
	C19	1.465125e-02	1.577548e-02	1.140680e-03	0.0
	C24	1.805791e-01	3.007559e-01	2.032873e-02	0.0
	C20-21	7.189473e-02	1.299949e-01	1.275579e-02	0.0
	C22	3.337269e-01	9.633330e-01	1.027789e-02	0.0
	C23	2.938694e-01	9.847716e-02	1.365674e-03	0.0
	C25_33	5.147899e-01	6.141568e-01	3.219996e-02	0.0
	C25	6.319142e-01	9.401127e-01	1.047476e-02	0.0
	C26	5.432187e-02	3.632384e-02	8.581982e-05	0.0
	C27	7.223615e-01	1.551970e+00	6.842418e-02	0.0
	C28_32	1.750255e-01	2.432264e-01	1.168032e-03	0.0
	C29	7.030066e-01	1.629517e+00	5.192969e-01	0.0
	C30	4.477493e-02	1.067237e-01	1.340083e-01	0.0
	C31	1.998127e-01	2.120168e-01	4.185107e-03	0.0
	E37-39	5.971235e-02	6.560102e-02	8.924918e-04	0.0
	D35	2.327230e-02	3.691169e-02	1.238144e-03	0.0
	E36	8.368435e-04	6.543613e-04	1.103905e-05	0.0
	F	1.591947e-01	1.775846e-01	2.573808e-03	0.0
	G45	1.283924e+00	1.076430e+00	9.407602e-04	0.0
	G47	5.323968e-01	8.500156e-01	9.244703e-02	0.0
	G46	1.015256e+00	1.660532e+00	1.331582e-01	0.0
	I	6.367652e-01	1.845422e+00	2.648204e-04	0.0
	H49	3.765265e-01	4.832094e-01	6.491858e-03	0.0
	H50	3.948015e-03	6.582000e-03	1.011156e-03	0.0
	H51	2.817826e-01	3.123906e-01	4.332645e-02	0.0
	H52	4.736348e-01	1.915434e-01	4.792030e-04	0.0
	H53	2.056981e-01	3.845383e-01	2.714228e-04	0.0
	K64	7.790875e-01	3.798225e+00	1.498034e-02	0.0
	K65	3.425611e-03	2.879233e-03	4.723777e-08	0.0
	K66	4.706062e-02	1.204806e-01	7.265367e-05	0.0
	L68	1.120269e-01	2.899280e-02	1.318378e-04	0.0
	M_N	8.529250e-01	8.596709e-01	2.172177e-03	0.0
	J62_63	1.310325e+00	1.205078e+00	2.299032e-04	0.0
	O84	4.848550e-02	5.116238e-02	4.938268e-05	0.0
	P85	5.059769e-02	3.842733e-02	1.091424e-05	0.0
	R_S	5.326334e-02	3.758530e-01	8.902120e-05	0.0
	T	3.518752e-01	1.465867e-01	6.124901e-02	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0

BE	A01	3.572982e+00	4.006156e+00	1.687467e-02	0.0
	A02	1.939874e-03	1.027497e-03	7.258436e-05	0.0
	A03	1.947734e-03	2.422039e-04	5.153693e-06	0.0
	B_nongas	1.409897e+00	9.339807e-01	1.582889e-01	0.0
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	C10-12	5.565806e+00	6.055785e+00	1.551334e-01	0.0
	C13-15	2.674893e-01	1.190531e+00	8.342736e-02	0.0
	C16	6.520578e-02	1.290949e-01	7.051732e-06	0.0
	C17	2.604558e+00	2.916271e+00	3.017641e-03	0.0
	C18	6.425745e-01	6.327375e-01	6.589385e-05	0.0
	C19	1.550389e+00	1.347681e+00	9.483695e-02	0.0
	C24	4.476515e+00	6.603435e+00	5.919965e-02	0.0
	C20-21	6.295592e-01	1.012225e+00	9.820834e-02	0.0
	C22	6.065559e-01	1.824508e+00	9.982920e-03	0.0
	C23	7.846287e-01	1.307586e-01	6.192517e-03	0.0
	C25_33	8.208393e-01	1.152014e+00	3.253371e-02	0.0
	C25	6.417915e-01	9.989433e-01	8.678369e-03	0.0
	C26	1.280930e-01	9.193720e-02	6.283061e-05	0.0
	C27	5.857639e-01	1.223663e+00	4.096028e-02	0.0
	C28_32	3.945267e-01	5.401357e-01	3.176216e-03	0.0
	C29	7.830013e-01	1.717976e+00	5.187857e-01	0.0
	C30	1.975554e-01	4.653670e-01	5.462300e-01	0.0
	C31	4.346539e-02	7.012495e-02	1.399073e-03	0.0
	E37-39	7.712359e-02	6.631019e-02	1.595532e-03	0.0
	D35	7.225541e-02	6.191492e-02	2.033722e-04	0.0
	E36	2.297265e-02	9.966934e-03	3.492464e-06	0.0
	F	7.730146e-01	9.965981e-01	1.463813e-02	0.0
	G45	5.419487e-01	4.737189e-01	1.604050e-03	0.0
	G47	1.731748e-02	1.516475e-02	1.152555e-03	0.0
	G46	3.348574e+00	4.414395e+00	2.213632e-01	0.0
	I	6.180581e-01	1.801475e+00	8.710906e-05	0.0
	H49	2.099061e+00	2.544812e+00	3.611879e-02	0.0
	H50	2.720951e-01	5.284131e-01	9.557043e-02	0.0
	H51	2.360472e+00	2.619132e+00	3.697536e-01	0.0
	H52	5.120569e+00	2.157519e+00	7.181114e-02	0.0
	H53	7.531545e-01	1.313031e+00	3.068576e-04	0.0
	K64	2.409336e+00	1.162952e+01	4.490796e-02	0.0
	K65	1.414363e-02	1.144428e-02	2.222481e-07	0.0
	K66	6.192725e-01	1.714069e+00	4.089209e-04	0.0
	L68	4.218956e-01	7.558822e-02	9.912960e-05	0.0
	M_N	2.976753e+00	2.836548e+00	4.213706e-03	0.0
	J62_63	2.967856e+00	2.704372e+00	1.536659e-04	0.0
	O84	1.533321e-01	2.416061e-01	1.271669e-04	0.0
	P85	2.363284e-01	9.411105e-02	2.410112e-06	0.0
	R_S	1.352839e-01	1.075918e+00	1.233463e-05	0.0
	T	2.029900e+00	8.456302e-01	3.533337e-01	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
BG	A01	1.130782e+00	1.621082e+00	4.879541e-02	0.0

	A02	2.169293e-03	2.806543e-03	2.583600e-05	0.0
	A03	5.225614e-04	3.587463e-04	4.878420e-06	0.0
	B_nongas	2.130734e+00	1.707480e-01	2.672312e-03	0.0
	B_gas	6.426495e-05	1.781208e-04	1.328394e-07	0.0
	C10-12	1.280709e+00	1.290557e+00	2.345607e-02	0.0
	C13-15	7.020060e-02	3.058296e-01	1.939532e-02	0.0
	C16	1.678944e-02	3.119114e-02	1.458727e-05	0.0
	C17	5.688612e-01	6.833803e-01	1.786001e-02	0.0
	C18	2.494601e-01	2.506386e-01	1.899909e-03	0.0
	C19	2.219285e+00	2.424702e+00	1.726516e-01	0.0
	C24	2.508466e-01	3.169577e-01	1.416899e-03	0.0
	C20-21	9.673137e-02	1.255698e-01	5.394727e-03	0.0
	C22	1.363523e-01	4.248268e-01	1.810594e-03	0.0
	C23	8.046995e-01	9.396149e-02	1.271506e-03	0.0
	C25_33	6.240226e-02	8.210804e-02	2.753158e-03	0.0
	C25	8.648454e-02	1.330328e-01	2.405969e-03	0.0
	C26	1.786328e-02	1.310244e-02	2.885010e-05	0.0
	C27	1.213204e-01	2.698124e-01	9.160070e-03	0.0
	C28_32	2.824545e-02	3.810628e-02	1.331872e-04	0.0
	C29	1.346607e-02	3.147853e-02	8.656814e-03	0.0
	C30	1.011363e-02	2.029622e-02	1.916306e-02	0.0
	C31	2.326875e-03	5.098995e-03	2.524937e-04	0.0
	E37-39	2.487213e-03	3.252486e-03	1.962127e-04	0.0
	D35	1.363877e-02	1.840271e-02	7.359113e-04	0.0
	E36	4.686185e-04	7.113513e-04	1.193491e-04	0.0
	F	2.258603e-01	5.512950e-02	1.010155e-03	0.0
	G45	2.824011e-02	4.173201e-02	2.860067e-03	0.0
	G47	1.921501e-01	3.693740e-01	3.085531e-03	0.0
	G46	3.174669e-01	5.691164e-01	6.021789e-03	0.0
	I	7.428982e-01	2.164365e+00	3.416784e-04	0.0
	H49	7.045456e-02	9.592913e-02	2.177396e-03	0.0
	H50	2.516739e-03	4.398762e-03	7.170994e-04	0.0
	H51	1.057807e-01	1.181099e-01	1.655023e-02	0.0
	H52	5.680439e-02	4.610942e-02	3.481353e-03	0.0
	H53	1.255422e-01	1.351510e-01	4.648608e-05	0.0
	K64	1.598572e-03	3.058505e-03	1.895403e-05	0.0
	K65	2.346994e-03	2.844075e-03	1.233508e-05	0.0
	K66	1.128843e-03	2.628906e-03	2.626798e-06	0.0
	L68	1.023775e-01	2.794788e-01	1.415724e-04	0.0
	M_N	3.499560e-01	1.685994e-01	2.638510e-04	0.0
	J62_63	3.902932e-01	3.566319e-01	3.139921e-05	0.0
	O84	2.018809e-10	4.426597e-10	0.000000e+00	0.0
	P85	5.405346e-04	5.705173e-04	8.662072e-06	0.0
	R_S	7.836435e-03	3.675771e-02	1.876463e-04	0.0
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
CY	A01	3.368221e-01	3.962731e-01	2.721782e-03	0.0
	A02	1.176626e-05	3.644135e-05	7.634449e-06	0.0

	A03	3.656860e-02	5.009791e-06	6.481400e-07	0.0
	B_nongas	1.417563e+00	8.624036e-02	1.308663e-03	0.0
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	C10-12	8.253998e-01	8.473912e-01	1.532073e-02	0.0
	C13-15	1.503106e-02	4.348182e-02	2.593949e-03	0.0
	C16	3.640049e-03	7.173669e-03	6.279951e-05	0.0
	C17	4.886541e-02	6.033023e-02	2.086674e-03	0.0
	C18	6.894422e-02	6.816658e-02	7.692531e-05	0.0
	C19	1.259080e-03	1.718896e-03	1.410476e-04	0.0
	C24	2.666701e-02	3.600973e-02	4.573030e-04	0.0
	C20-21	5.612141e-03	9.029025e-03	1.370678e-03	0.0
	C22	6.302119e-02	2.007011e-01	8.364795e-04	0.0
	C23	1.271273e-01	1.849168e-03	2.448506e-04	0.0
	C25_33	4.260003e-02	5.621314e-02	2.461230e-03	0.0
	C25	2.523018e-02	3.941810e-02	6.827459e-04	0.0
	C26	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	C27	2.143516e-02	5.019437e-02	4.522298e-03	0.0
	C28_32	4.235708e-03	5.740582e-03	5.519762e-05	0.0
	C29	8.109369e-03	1.876688e-02	6.133147e-03	0.0
	C30	1.146298e-03	2.566868e-03	2.737244e-03	0.0
	C31	1.851009e-03	4.418997e-03	9.106889e-04	0.0
	E37-39	8.649622e-04	7.738235e-04	3.000112e-05	0.0
	D35	1.049866e-05	1.882487e-05	2.722537e-06	0.0
	E36	4.794909e-07	7.871460e-08	1.343629e-11	0.0
	F	2.047851e-02	2.026711e-02	1.134237e-04	0.0
	G45	5.395203e-01	4.501889e-01	7.658456e-05	0.0
	G47	1.829114e-01	2.614478e-01	3.955247e-02	0.0
	G46	1.076674e-01	2.263495e-01	2.729641e-02	0.0
	I	3.156759e-01	9.206846e-01	4.402331e-04	0.0
	H49	4.355169e-02	5.572202e-02	6.239965e-04	0.0
	H50	1.253099e-02	2.647757e-02	5.071601e-03	0.0
	H51	5.614232e-02	6.232187e-02	8.812130e-03	0.0
	H52	3.448064e-02	9.742507e-03	1.907668e-07	0.0
	H53	5.834768e-02	9.968541e-02	1.620555e-05	0.0
	K64	5.044259e-01	2.527551e+00	1.004412e-02	0.0
	K65	1.032001e-07	2.143686e-07	0.000000e+00	0.0
	K66	7.246672e-04	2.009531e-03	4.837644e-07	0.0
	L68	3.674661e-02	6.032430e-03	1.029713e-06	0.0
	M_N	1.187170e-01	1.172615e-01	1.768002e-04	0.0
	J62_63	2.282941e-01	2.085806e-01	1.840711e-04	0.0
	O84	1.499629e-07	3.288203e-07	0.000000e+00	0.0
	P85	2.725020e-05	8.841681e-06	9.255169e-07	0.0
	R_S	5.803885e-03	8.691251e-02	2.404463e-04	0.0
	T	2.388644e-01	9.950780e-02	4.157782e-02	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
CZ	A01	5.328657e-01	5.646135e-01	3.635767e-03	0.0
	A02	1.015891e-01	9.764723e-03	1.931790e-04	0.0
	A03	7.733654e-04	8.884122e-04	9.421281e-06	0.0

	B_nongas	9.836299e-01	6.710667e-02	1.583030e-03	0.0
	B_gas	1.491828e-04	2.295730e-04	7.886159e-06	0.0
	C10-12	9.564313e-01	9.494242e-01	1.878592e-02	0.0
	C13-15	8.406659e-02	3.555101e-01	2.298924e-02	0.0
	C16	2.438856e-02	3.891905e-02	1.154838e-04	0.0
	C17	1.061266e+00	1.184159e+00	7.620095e-04	0.0
	C18	7.833332e-01	7.688145e-01	7.508669e-05	0.0
	C19	2.802889e-01	2.706698e-01	2.167830e-02	0.0
	C24	2.388271e-01	4.902658e-01	3.777525e-02	0.0
	C20-21	2.565469e-02	4.466824e-02	6.030569e-03	0.0
	C22	3.596883e-01	1.123838e+00	6.843654e-03	0.0
	C23	1.146683e+00	1.588897e-01	2.693935e-03	0.0
	C25_33	2.370600e-01	3.134323e-01	2.295899e-02	0.0
	C25	3.461500e-01	5.540807e-01	1.236766e-02	0.0
	C26	2.861715e+00	1.807795e+00	2.308515e-04	0.0
	C27	1.144519e+00	2.505316e+00	7.706197e-02	0.0
	C28_32	1.944221e-01	2.636877e-01	9.123954e-04	0.0
	C29	1.668661e+00	4.038470e+00	1.302230e+00	0.0
	C30	4.097882e-02	9.464448e-02	8.980078e-02	0.0
	C31	1.197198e-02	1.966037e-02	1.425491e-03	0.0
	E37-39	1.365598e-02	1.040671e-02	2.384513e-04	0.0
	D35	1.417116e-02	1.629021e-02	6.796918e-04	0.0
	E36	4.500887e-04	4.008368e-04	2.551335e-06	0.0
	F	3.239951e-01	6.739095e-02	7.381799e-04	0.0
	G45	3.547501e-02	4.506319e-02	1.209120e-03	0.0
	G47	1.110754e-01	1.355494e-01	2.146750e-03	0.0
	G46	2.606493e-01	3.347086e-01	5.511039e-03	0.0
	I	2.567822e-01	7.455026e-01	8.296357e-05	0.0
	H49	8.036486e-01	1.049273e+00	1.493987e-02	0.0
	H50	6.513630e-04	1.493437e-03	2.251213e-04	0.0
	H51	7.920686e-01	8.757612e-01	1.229612e-01	0.0
	H52	7.747971e-01	5.139568e-01	3.914641e-02	0.0
	H53	2.496453e-02	4.952880e-02	3.020712e-04	0.0
	K64	5.785727e-02	2.846710e-01	1.126895e-03	0.0
	K65	2.493108e-06	4.705557e-06	6.157226e-07	0.0
	K66	6.213286e-03	1.718283e-02	1.817132e-05	0.0
	L68	3.905035e-02	3.085706e-02	7.401657e-05	0.0
	M_N	4.678441e-01	4.427272e-01	2.073972e-03	0.0
	J62_63	2.663230e-01	2.162906e-01	1.144183e-05	0.0
	O84	1.108869e-02	1.622887e-02	4.573475e-05	0.0
	P85	2.545471e-02	5.304524e-02	3.530290e-06	0.0
	R_S	1.342409e-02	7.235412e-02	4.029661e-05	0.0
	T	7.942783e-02	3.308860e-02	1.382557e-02	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
DE	A01	1.260850e+01	1.572691e+01	3.530247e-01	0.0
	A02	1.656201e-02	3.295325e-02	1.758505e-06	0.0
	A03	1.030621e-04	1.411921e-08	1.826668e-09	0.0
	B_nongas	2.822396e+00	4.165226e-01	3.196471e-02	0.0

	B_gas	1.529565e-02	1.774651e-02	1.285308e-03	0.0
	C10-12	1.350746e+01	1.525612e+01	3.611077e-01	0.0
	C13-15	9.165123e-01	3.774529e+00	2.326478e-01	0.0
	C16	7.088857e-01	1.411052e+00	7.178884e-04	0.0
	C17	1.253815e+01	1.402817e+01	1.758848e-02	0.0
	C18	4.077550e+00	3.979676e+00	9.433094e-05	0.0
	C19	1.688040e+00	1.793049e+00	1.338025e-01	0.0
	C24	2.582028e+00	3.540492e+00	1.033950e-01	0.0
	C20-21	2.010748e+00	3.544710e+00	4.932110e-01	0.0
	C22	5.022163e+00	1.569353e+01	7.140583e-02	0.0
	C23	2.624726e+00	6.035262e-01	5.897920e-03	0.0
	C25_33	3.134165e+00	3.795089e+00	2.269438e-01	0.0
	C25	8.167700e+00	1.265536e+01	2.161208e-01	0.0
	C26	2.217308e+00	1.436652e+00	1.270303e-03	0.0
	C27	1.007331e+01	2.222939e+01	9.192332e-01	0.0
	C28_32	4.514403e+00	6.257636e+00	5.093123e-02	0.0
	C29	1.152870e+01	2.614640e+01	8.866289e+00	0.0
	C30	3.198386e+00	7.942894e+00	9.974051e+00	0.0
	C31	6.271469e-02	9.779685e-02	6.493019e-03	0.0
	E37-39	1.503809e-01	1.566600e-01	1.551590e-03	0.0
	D35	3.422748e-01	4.657835e-01	6.684620e-03	0.0
	E36	4.189863e-02	7.215311e-02	2.098150e-03	0.0
	F	2.880610e+00	2.729243e+00	4.917443e-03	0.0
	G45	3.906006e+00	3.267555e+00	1.268093e-03	0.0
	G47	1.313772e+00	1.809995e+00	1.878646e-01	0.0
	G46	2.270708e+00	3.254873e+00	2.555695e-01	0.0
	I	7.683150e-01	2.206165e+00	3.621272e-04	0.0
	H49	1.356486e+00	1.698403e+00	2.712349e-02	0.0
	H50	6.251964e-01	1.220144e+00	2.255250e-01	0.0
	H51	1.630945e+01	1.808222e+01	2.538559e+00	0.0
	H52	2.737115e+00	9.419136e-01	9.021254e-03	0.0
	H53	9.066354e-01	1.923945e+00	5.143032e-03	0.0
	K64	4.420242e+00	2.198624e+01	8.723952e-02	0.0
	K65	3.034661e-02	2.600064e-02	4.436459e-07	0.0
	K66	3.355626e-01	8.875240e-01	2.089128e-04	0.0
	L68	7.351626e-01	1.229437e-01	2.055704e-05	0.0
	M_N	1.069132e+01	8.592913e+00	6.700341e-05	0.0
	J62_63	8.811901e+00	8.018893e+00	1.172677e-04	0.0
	O84	3.728689e-02	3.408637e-02	5.018659e-07	0.0
	P85	3.081537e-02	2.746402e-02	1.305204e-06	0.0
	R_S	2.521968e-01	2.857344e+00	1.684462e-05	0.0
	T	1.376716e+01	5.735222e+00	2.396375e+00	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
DK	A01	1.550981e+00	2.037695e+00	3.556280e-02	0.0
	A02	1.497532e-01	1.777775e-01	2.402568e-04	0.0
	A03	9.517896e-04	3.573066e-06	1.745068e-08	0.0
	B_nongas	1.123955e-01	9.596818e-03	4.617925e-04	0.0
	B_gas	7.528025e-05	7.189795e-05	1.388389e-09	0.0

	C10-12	7.713899e+00	8.458146e+00	2.340670e-01	0.0
	C13-15	6.715514e-02	2.694366e-01	1.860822e-02	0.0
	C16	2.269961e-02	3.841444e-02	2.427322e-04	0.0
	C17	3.247091e-01	3.617514e-01	9.927232e-05	0.0
	C18	2.240273e-01	2.132707e-01	5.010497e-05	0.0
	C19	5.447200e-01	5.418611e-01	3.564164e-02	0.0
	C24	3.858485e-01	5.700005e-01	4.845109e-03	0.0
	C20-21	3.466780e-01	2.822258e-01	3.670115e-03	0.0
	C22	1.831420e-01	5.509863e-01	2.495511e-03	0.0
	C23	1.590320e-01	5.061418e-02	9.169451e-04	0.0
	C25_33	3.368699e-01	4.093305e-01	1.408061e-02	0.0
	C25	4.458340e-01	6.295237e-01	2.216584e-03	0.0
	C26	3.156859e-02	2.396601e-02	5.685498e-05	0.0
	C27	2.645752e-01	5.834495e-01	1.736597e-02	0.0
	C28_32	2.149845e-01	2.644200e-01	1.459736e-03	0.0
	C29	5.059236e-02	1.159271e-01	3.931115e-02	0.0
	C30	3.915038e-02	8.669792e-02	9.821661e-02	0.0
	C31	1.011768e-02	2.472771e-02	1.789319e-03	0.0
	E37-39	1.325557e-01	1.207111e-01	6.812864e-05	0.0
	D35	1.306912e-03	1.189694e-03	2.042816e-08	0.0
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	F	5.364321e-01	6.742581e-01	2.467403e-02	0.0
	G45	8.485591e-01	7.097862e-01	1.179940e-04	0.0
	G47	1.613538e-01	2.732380e-01	3.636944e-02	0.0
	G46	3.819972e-01	6.627267e-01	6.426081e-02	0.0
	I	1.503680e-01	4.237694e-01	2.016330e-05	0.0
	H49	5.741241e-01	7.951253e-01	2.200125e-02	0.0
	H50	2.219402e-01	3.367866e-01	4.190690e-02	0.0
	H51	2.480286e-01	2.750339e-01	3.869291e-02	0.0
	H52	8.356454e-01	2.446847e-01	3.396266e-05	0.0
	H53	3.730859e-01	6.061817e-01	1.267911e-05	0.0
	K64	1.893727e+00	9.303366e+00	3.680130e-02	0.0
	K65	1.126850e-02	1.025961e-02	1.530503e-07	0.0
	K66	7.593001e-02	1.708218e-01	3.673823e-05	0.0
	L68	4.793624e-01	1.397832e-01	4.111638e-02	0.0
	M_N	1.652460e+00	1.543057e+00	3.210158e-02	0.0
	J62_63	1.526432e+00	1.390338e+00	5.700115e-05	0.0
	O84	2.409473e-01	1.024710e-01	4.120541e-02	0.0
	P85	2.831130e-04	3.998335e-05	3.343648e-07	0.0
	R_S	1.292851e-01	1.844986e+00	1.471891e-03	0.0
	T	3.829493e-01	1.595317e-01	6.665790e-02	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
EE	A01	6.893749e-01	1.052407e+00	3.532251e-02	0.0
	A02	3.653431e-04	7.676617e-04	3.482244e-06	0.0
	A03	7.111390e-05	1.561240e-04	3.233117e-06	0.0
	B_nongas	2.429733e-04	1.688865e-02	1.941064e-04	0.0
	B_gas	2.169868e-03	1.566316e-03	1.158044e-04	0.0
	C10-12	6.415651e-02	4.719083e-02	5.111199e-04	0.0

	C13-15	6.062399e-03	2.805329e-02	2.167143e-03	0.0
	C16	3.373359e-02	6.741154e-02	6.083293e-06	0.0
	C17	6.307955e-01	7.024847e-01	3.549226e-04	0.0
	C18	2.542253e-01	2.497844e-01	1.339214e-05	0.0
	C19	8.882883e-01	5.115641e-01	2.196868e-02	0.0
	C24	4.377748e-03	9.300859e-03	8.347333e-04	0.0
	C20-21	1.900923e-02	1.323797e-02	8.295629e-04	0.0
	C22	2.137678e-02	5.019182e-02	2.914878e-04	0.0
	C23	6.633498e-03	1.586329e-03	1.185735e-05	0.0
	C25_33	7.657910e-03	9.418050e-03	4.915156e-04	0.0
	C25	6.840522e-03	1.055344e-02	2.980368e-04	0.0
	C26	1.212008e-02	7.664736e-03	1.297932e-06	0.0
	C27	1.581002e-01	3.699108e-01	9.345579e-03	0.0
	C28_32	7.298570e-03	1.023476e-02	2.076112e-05	0.0
	C29	4.598474e-03	1.078485e-02	3.322035e-03	0.0
	C30	1.090378e-02	2.803566e-02	3.646526e-02	0.0
	C31	6.662261e-04	1.056347e-03	3.192416e-05	0.0
	E37-39	1.401334e-03	3.360528e-03	1.052505e-05	0.0
	D35	7.274903e-04	1.097615e-03	2.968707e-05	0.0
	E36	6.446820e-06	5.451779e-06	2.201376e-08	0.0
	F	1.342635e-02	1.022336e-02	7.634809e-04	0.0
	G45	2.222983e-03	1.929163e-03	1.899425e-06	0.0
	G47	3.624293e-03	4.089055e-03	1.544333e-04	0.0
	G46	6.352794e-02	1.122481e-01	1.467210e-03	0.0
	I	2.716783e-03	8.047077e-03	2.875295e-06	0.0
	H49	3.291529e-03	3.827104e-03	1.257951e-04	0.0
	H50	8.027734e-04	1.397837e-03	2.153163e-04	0.0
	H51	9.334422e-03	1.035008e-02	1.462171e-03	0.0
	H52	5.218077e-03	1.608414e-03	2.695562e-06	0.0
	H53	3.204181e-02	6.254337e-02	2.993630e-06	0.0
	K64	1.701567e-03	6.250265e-03	2.202119e-05	0.0
	K65	1.594623e-04	1.451444e-04	2.166918e-09	0.0
	K66	6.277835e-04	1.678186e-03	1.078178e-06	0.0
	L68	1.680897e-03	3.235815e-04	8.594038e-07	0.0
	M_N	2.457922e-02	1.077188e-02	1.308162e-05	0.0
	J62_63	3.021359e-02	2.796044e-02	2.627371e-05	0.0
	O84	1.100440e-03	1.049293e-03	3.912022e-08	0.0
	P85	3.664755e-04	3.075239e-04	4.399704e-06	0.0
	R_S	5.605966e-04	7.416112e-03	1.362217e-06	0.0
	T	2.525368e-03	1.052036e-03	4.395771e-04	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
ES	A01	2.661993e+01	2.486684e+01	4.663114e-02	0.0
	A02	8.951216e-01	1.051840e+00	1.539952e-03	0.0
	A03	5.497082e-02	3.957714e-02	3.773874e-04	0.0
	B_nongas	1.244928e+01	2.589362e+00	1.649119e-01	0.0
	B_gas	6.776755e-05	5.612619e-05	3.238060e-06	0.0
	C10-12	9.715423e+00	8.035277e+00	2.774572e-01	0.0
	C13-15	1.532131e+00	5.224185e+00	2.078783e-01	0.0

	C16	2.397384e-01	4.061950e-01	1.280605e-03	0.0
	C17	6.662156e+00	7.480987e+00	1.411413e-02	0.0
	C18	1.725474e+00	1.728434e+00	8.510067e-04	0.0
	C19	2.751862e+00	3.252876e+00	2.362958e-01	0.0
	C24	2.907359e+00	4.392146e+00	1.115812e-01	0.0
	C20-21	6.646900e-01	1.533418e+00	2.666710e-01	0.0
	C22	8.992323e-01	2.770335e+00	2.635501e-02	0.0
	C23	2.277228e+00	1.223311e+00	1.393382e-02	0.0
	C25_33	1.957489e+00	2.731018e+00	2.209988e-01	0.0
	C25	2.232880e+00	3.827827e+00	1.229803e-01	0.0
	C26	1.576620e-01	1.006366e-01	9.298315e-05	0.0
	C27	3.205654e+00	7.183773e+00	3.234176e-01	0.0
	C28_32	2.576602e-01	3.627360e-01	9.997715e-04	0.0
	C29	2.127254e+00	5.105205e+00	1.672049e+00	0.0
	C30	9.156758e-01	2.251351e+00	2.707220e+00	0.0
	C31	9.105813e-02	1.750109e-01	3.798742e-02	0.0
	E37-39	3.763344e-03	2.911364e-03	6.962080e-05	0.0
	D35	8.233547e-02	1.608541e-01	6.794291e-03	0.0
	E36	1.715067e-03	1.700765e-03	1.377209e-06	0.0
	F	1.404980e-01	1.292449e-01	1.020262e-03	0.0
	G45	1.543238e-01	1.221919e-01	2.853891e-04	0.0
	G47	6.634902e-01	7.865193e-01	2.693621e-02	0.0
	G46	1.667855e+00	1.866012e+00	1.890865e-02	0.0
	I	9.858465e-01	2.862340e+00	1.449327e-04	0.0
	H49	1.789462e+00	2.505251e+00	6.838710e-02	0.0
	H50	1.723685e-02	3.384154e-02	6.218341e-03	0.0
	H51	7.542308e-01	8.713765e-01	1.099884e-01	0.0
	H52	3.511945e+00	1.008353e+00	1.213068e-04	0.0
	H53	8.174589e-02	1.370318e-01	3.987781e-04	0.0
	K64	1.994540e-01	9.882603e-01	3.889668e-03	0.0
	K65	2.318620e-03	2.720153e-03	9.885733e-08	0.0
	K66	2.038828e-02	5.635299e-02	1.354208e-05	0.0
	L68	3.736010e-02	6.282039e-03	1.039498e-06	0.0
	M_N	7.100162e-01	5.912257e-01	2.657496e-04	0.0
	J62_63	2.771725e-01	2.246992e-01	1.307432e-05	0.0
	O84	6.732852e-01	6.283882e-01	1.414186e-03	0.0
	P85	8.015582e-03	1.287783e-02	3.416298e-05	0.0
	R_S	2.534514e-02	2.028540e-01	9.496907e-05	0.0
	T	4.780103e-01	1.991329e-01	8.320466e-02	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
FI	A01	2.052431e-02	2.973705e-02	7.246852e-04	0.0
	A02	2.971341e-04	3.853266e-03	1.070754e-06	0.0
	A03	1.124599e-05	1.540668e-09	1.993234e-10	0.0
	B_nongas	3.624043e-02	7.670297e-02	3.926427e-03	0.0
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	C10-12	6.543917e-01	5.737550e-01	5.228681e-03	0.0
	C13-15	2.118850e-02	9.079095e-02	6.308347e-03	0.0
	C16	1.066567e+00	2.121538e+00	1.288507e-04	0.0

	C17	7.160484e+00	9.120213e+00	4.010371e-01	0.0
	C18	1.437962e+00	1.416320e+00	1.763030e-03	0.0
	C19	2.223539e-02	2.476241e-02	1.913515e-03	0.0
	C24	2.415830e-01	3.720496e-01	7.587277e-03	0.0
	C20-21	5.909320e-02	1.336274e-01	2.309094e-02	0.0
	C22	8.020956e-02	1.809284e-01	2.295138e-03	0.0
	C23	4.309674e-02	1.065026e-02	5.199605e-04	0.0
	C25_33	9.275326e-02	1.279605e-01	5.316233e-03	0.0
	C25	5.519579e-01	9.790223e-01	2.343834e-02	0.0
	C26	3.016067e-02	1.968415e-02	1.265778e-06	0.0
	C27	7.143028e-01	1.456617e+00	4.711890e-02	0.0
	C28_32	8.698608e-02	1.192271e-01	3.346333e-04	0.0
	C29	3.155532e-02	6.461857e-02	1.589013e-02	0.0
	C30	3.926793e-02	9.436737e-02	7.603255e-02	0.0
	C31	8.804363e-03	1.826296e-02	9.616456e-04	0.0
	E37-39	3.717109e-03	3.465110e-03	1.957563e-05	0.0
	D35	1.096476e-02	1.900197e-02	3.396890e-04	0.0
	E36	1.137781e-03	1.154249e-03	9.234914e-09	0.0
	F	1.258287e-01	1.319778e-01	2.340030e-04	0.0
	G45	2.376725e-01	1.984021e-01	3.904285e-05	0.0
	G47	8.038303e-02	1.412845e-01	1.398156e-02	0.0
	G46	9.143465e-02	1.614453e-01	1.660310e-02	0.0
	I	2.770492e-02	7.995979e-02	8.316007e-06	0.0
	H49	1.363354e-01	1.798114e-01	2.889528e-03	0.0
	H50	5.275476e-03	1.140106e-02	1.055403e-03	0.0
	H51	4.742335e-02	5.264119e-02	7.442106e-03	0.0
	H52	2.717406e-01	7.944132e-02	3.037131e-05	0.0
	H53	4.086030e-02	7.922849e-02	1.245870e-04	0.0
	K64	1.477225e-01	7.352738e-01	2.917661e-03	0.0
	K65	1.525421e-03	1.317039e-03	2.210715e-08	0.0
	K66	7.803038e-03	2.157176e-02	5.185755e-06	0.0
	L68	3.650071e-02	6.168688e-03	6.061905e-06	0.0
	M_N	2.831365e-01	2.525044e-01	2.066605e-04	0.0
	J62_63	6.204956e-01	5.990666e-01	2.501222e-04	0.0
	O84	4.830032e-03	4.984898e-03	1.167524e-07	0.0
	P85	9.028715e-04	7.469753e-04	9.315334e-08	0.0
	R_S	2.118012e-02	2.185627e-01	9.585055e-05	0.0
	T	1.812840e-01	7.552054e-02	3.155511e-02	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
FR	A01	1.481435e+01	1.927785e+01	4.088310e-01	0.0
	A02	4.573199e-06	4.530899e-05	3.078119e-07	0.0
	A03	1.761154e-02	2.412729e-06	3.121460e-07	0.0
	B_nongas	4.091546e+00	6.544923e-01	3.795343e-02	0.0
	B_gas	1.457756e+00	6.050608e-01	1.127411e-08	0.0
	C10-12	1.849852e+01	1.976489e+01	3.695151e-01	0.0
	C13-15	1.078783e+00	3.911011e+00	1.694770e-01	0.0
	C16	8.523635e-02	1.702712e-01	8.058120e-06	0.0
	C17	4.979885e+00	5.574510e+00	1.292234e-02	0.0

	C18	3.344554e+00	3.265279e+00	1.160016e-05	0.0
	C19	3.098460e+00	3.105952e+00	2.151174e-01	0.0
	C24	7.123879e-01	1.231603e+00	7.944251e-02	0.0
	C20-21	3.566348e-01	1.076091e+00	2.296741e-01	0.0
	C22	1.740939e+00	5.606999e+00	1.629277e-02	0.0
	C23	2.244681e+00	3.330852e-01	1.718035e-03	0.0
	C25_33	1.113831e+00	1.255013e+00	5.109162e-02	0.0
	C25	1.859901e+00	2.789219e+00	3.492231e-05	0.0
	C26	9.477700e-01	5.970355e-01	2.597152e-05	0.0
	C27	5.526901e+00	1.281702e+01	3.714122e-01	0.0
	C28_32	2.427573e+00	3.278576e+00	2.053226e-04	0.0
	C29	2.038256e+00	5.008450e+00	1.682413e+00	0.0
	C30	4.335075e+00	1.114786e+01	1.450107e+01	0.0
	C31	2.741621e-03	4.358811e-03	2.028110e-03	0.0
	E37-39	5.988704e-02	4.049256e-02	1.954877e-04	0.0
	D35	1.668450e-05	1.448263e-03	1.532972e-07	0.0
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	F	1.192175e+00	1.208146e+00	1.216267e-05	0.0
	G45	4.695978e+00	3.918845e+00	6.666602e-04	0.0
	G47	1.328379e+00	2.219839e+00	3.290250e-01	0.0
	G46	1.497913e+00	3.197502e+00	3.862803e-01	0.0
	I	4.037716e+00	1.179888e+01	5.723644e-04	0.0
	H49	5.750391e+00	7.459818e+00	1.511067e-01	0.0
	H50	4.839134e-01	1.035464e+00	2.005362e-01	0.0
	H51	4.880478e+00	5.417860e+00	7.660743e-01	0.0
	H52	5.647830e+00	1.610741e+00	2.840774e-05	0.0
	H53	2.364620e+00	4.652034e+00	1.036796e-04	0.0
	K64	8.486508e+00	4.252374e+01	1.689831e-01	0.0
	K65	1.213270e-05	2.520222e-05	0.000000e+00	0.0
	K66	6.776602e-01	1.879178e+00	4.523840e-04	0.0
	L68	1.285324e+00	2.110025e-01	3.601733e-05	0.0
	M_N	1.174509e+01	9.846122e+00	2.731589e-03	0.0
	J62_63	1.265214e+01	1.151677e+01	1.718736e-04	0.0
	O84	2.708419e-01	2.636673e-01	2.415801e-04	0.0
	P85	6.400049e-02	9.642894e-02	4.692144e-05	0.0
	R_S	1.926779e-01	4.682444e+00	1.869527e-05	0.0
	T	1.998967e+01	8.327435e+00	3.479492e+00	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
GR	A01	1.644567e+00	2.165560e+00	2.069195e-02	0.0
	A02	6.413294e-06	6.353974e-05	4.316646e-07	0.0
	A03	7.853471e-03	1.075903e-06	1.391945e-07	0.0
	B_nongas	3.239106e+00	2.441319e+00	1.073749e-01	0.0
	B_gas	8.110576e-04	1.524160e-04	2.002079e-05	0.0
	C10-12	1.747736e+00	1.962289e+00	6.768960e-02	0.0
	C13-15	1.652972e-01	6.716580e-01	3.472180e-02	0.0
	C16	2.907780e-02	5.756588e-02	2.488956e-05	0.0
	C17	7.760301e-01	8.675840e-01	8.847326e-04	0.0
	C18	7.419469e-01	7.249190e-01	3.202117e-05	0.0

	C19	2.862673e+01	2.803105e+01	1.905194e+00	0.0
	C24	3.756988e-01	6.604847e-01	4.751909e-02	0.0
	C20-21	1.127549e-01	1.584280e-01	1.793093e-02	0.0
	C22	3.828852e-01	1.220132e+00	4.360776e-03	0.0
	C23	3.890351e-01	2.217653e-02	3.734642e-04	0.0
	C25_33	4.230066e-01	5.403417e-01	2.338053e-02	0.0
	C25	1.591659e-01	2.557861e-01	3.358038e-03	0.0
	C26	5.748888e-03	3.697811e-03	1.689320e-05	0.0
	C27	4.071116e-01	8.924122e-01	3.968402e-02	0.0
	C28_32	3.236961e-02	4.379920e-02	2.055118e-04	0.0
	C29	6.210292e-02	1.356687e-01	4.139129e-02	0.0
	C30	5.340733e-02	1.343928e-01	1.239258e-01	0.0
	C31	2.062235e-02	3.288569e-02	2.297454e-03	0.0
	E37-39	4.071832e-03	5.365533e-03	3.466740e-04	0.0
	D35	8.271449e-04	4.190257e-04	9.157909e-06	0.0
	E36	6.531366e-04	3.638983e-04	8.779569e-06	0.0
	F	4.860175e-02	4.925288e-02	4.958395e-07	0.0
	G45	4.722571e-02	3.905195e-02	6.528766e-06	0.0
	G47	1.814709e-02	2.025682e-02	2.675885e-03	0.0
	G46	4.117267e-02	7.438524e-02	4.812012e-03	0.0
	I	3.931433e-01	1.141686e+00	5.534126e-05	0.0
	H49	1.997654e-01	2.633885e-01	2.970695e-03	0.0
	H50	1.304409e-01	1.773171e-01	5.900137e-02	0.0
	H51	8.262730e-01	9.170604e-01	1.295625e-01	0.0
	H52	3.504063e-01	2.650908e-01	2.738589e-02	0.0
	H53	1.128064e-01	2.200411e-01	2.429552e-05	0.0
	K64	1.573575e-01	7.778709e-01	3.071330e-03	0.0
	K65	8.666605e-05	6.675340e-05	1.001281e-09	0.0
	K66	1.290407e-02	3.578350e-02	8.614341e-06	0.0
	L68	5.488403e-02	9.012271e-03	1.537910e-06	0.0
	M_N	4.179428e-01	3.181413e-01	2.220275e-06	0.0
	J62_63	6.617835e-01	6.024085e-01	8.989344e-06	0.0
	O84	3.888351e-01	3.789782e-01	1.390301e-06	0.0
	P85	2.322581e-03	2.501720e-03	2.916418e-08	0.0
	R_S	1.491579e-02	1.091263e-01	8.669989e-07	0.0
	T	8.545591e-01	3.559982e-01	1.487485e-01	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
HR	A01	4.884015e+00	4.244711e+00	1.026105e-02	0.0
	A02	2.038281e-02	1.741509e-02	4.677956e-05	0.0
	A03	7.181626e-03	1.350746e-02	1.372484e-04	0.0
	B_nongas	3.409654e-01	1.276495e-01	1.788614e-04	0.0
	B_gas	7.513713e-04	3.416440e-04	5.599560e-06	0.0
	C10-12	2.812311e-01	4.655113e-01	1.377053e-02	0.0
	C13-15	8.818267e-03	3.384725e-02	1.945069e-03	0.0
	C16	9.215242e-02	1.861030e-01	6.768780e-04	0.0
	C17	2.397411e-02	2.607645e-02	5.114670e-06	0.0
	C18	9.107998e-01	4.000798e-01	8.157006e-03	0.0
	C19	8.327148e-04	5.788566e-03	4.039125e-04	0.0

	C24	2.502972e-02	3.091269e-02	1.793963e-03	0.0
	C20-21	2.625560e-03	3.866755e-03	2.994738e-04	0.0
	C22	6.787753e-02	1.416361e-01	3.767155e-04	0.0
	C23	6.209764e-02	1.938115e-02	1.889503e-04	0.0
	C25_33	7.274132e-02	8.740248e-02	2.678142e-03	0.0
	C25	5.290938e-02	8.056730e-02	5.751014e-04	0.0
	C26	8.514810e-04	3.502672e-04	1.616167e-05	0.0
	C27	5.283482e-02	1.098527e-01	3.806280e-03	0.0
	C28_32	5.669210e-03	7.016315e-03	2.872732e-05	0.0
	C29	3.262137e-03	6.535758e-03	2.592601e-03	0.0
	C30	5.716243e-03	1.363317e-02	1.635837e-02	0.0
	C31	2.188041e-02	3.832880e-02	6.541149e-05	0.0
	E37-39	1.235351e-03	8.692205e-04	3.066051e-06	0.0
	D35	5.365106e-01	3.044561e-01	4.599958e-03	0.0
	E36	1.561742e-03	5.967362e-03	1.006812e-06	0.0
	F	1.678304e-01	1.726158e-01	1.215096e-04	0.0
	G45	8.688951e-03	7.275015e-03	1.463111e-06	0.0
	G47	2.526239e-03	3.210241e-03	4.781035e-04	0.0
	G46	1.786823e-01	1.984777e-01	1.212134e-03	0.0
	I	1.102092e-01	2.879067e-01	2.068925e-05	0.0
	H49	1.249079e-02	1.657558e-02	2.948534e-04	0.0
	H50	1.930536e-02	4.138208e-02	8.026951e-03	0.0
	H51	2.527442e-01	2.778673e-01	3.731070e-02	0.0
	H52	1.256219e-02	5.348555e-03	1.829117e-04	0.0
	H53	5.832514e-01	5.415680e-01	8.308723e-06	0.0
	K64	5.594996e-02	2.684893e-01	1.001818e-03	0.0
	K65	1.248697e-07	4.866766e-08	3.086489e-12	0.0
	K66	1.864094e-03	4.511544e-03	1.237936e-05	0.0
	L68	5.494679e-03	2.568316e-03	5.756996e-07	0.0
	M_N	3.552322e-01	1.580582e-01	8.254720e-05	0.0
	J62_63	3.004691e-01	2.735099e-01	4.815542e-06	0.0
	O84	2.769469e-02	2.336184e-02	4.179314e-06	0.0
	P85	2.221075e-03	1.957654e-03	3.345308e-07	0.0
	R_S	5.624988e-01	4.996465e-01	3.590721e-03	0.0
	T	7.914199e-02	4.302524e-02	1.291530e-02	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
HU	A01	6.190688e+00	5.776178e+00	3.570979e-02	0.0
	A02	6.551567e-04	1.767009e-03	1.172059e-05	0.0
	A03	1.189826e-03	1.659500e-03	5.582473e-06	0.0
	B_nongas	4.847677e-03	9.231281e-04	7.993118e-06	0.0
	B_gas	3.018277e-03	3.284229e-03	3.674498e-06	0.0
	C10-12	1.960491e+00	1.681076e+00	2.288452e-02	0.0
	C13-15	5.565094e-02	2.163114e-01	2.048614e-02	0.0
	C16	7.328508e-03	1.166225e-02	1.697702e-04	0.0
	C17	4.137361e-01	4.611964e-01	4.559018e-05	0.0
	C18	2.274449e-01	2.270140e-01	5.851065e-05	0.0
	C19	5.104165e-01	4.452616e-01	3.540412e-02	0.0
	C24	1.252689e-01	1.417305e-01	1.005042e-02	0.0

	C20-21	1.055351e-01	1.699483e-01	2.691423e-02	0.0
	C22	2.917150e-01	9.176140e-01	7.465341e-03	0.0
	C23	1.422618e-01	3.069815e-02	3.727957e-04	0.0
	C25_33	1.111363e-01	1.457066e-01	1.031695e-02	0.0
	C25	2.514564e-01	3.860502e-01	5.743523e-03	0.0
	C26	9.693317e-01	7.039325e-01	6.836402e-04	0.0
	C27	9.849198e-01	1.720918e+00	3.466349e-02	0.0
	C28_32	4.491339e-01	4.671402e-01	1.148314e-03	0.0
	C29	3.987896e-01	8.648306e-01	2.321081e-01	0.0
	C30	1.791651e-02	4.087297e-02	4.369313e-02	0.0
	C31	3.724402e-02	4.180716e-02	2.679362e-04	0.0
	E37-39	2.438707e-02	1.429192e-02	1.783990e-04	0.0
	D35	1.877003e-01	1.779253e-01	2.638170e-04	0.0
	E36	3.582056e-03	2.929530e-03	9.708818e-06	0.0
	F	4.991183e-02	6.067470e-02	6.386590e-04	0.0
	G45	1.463354e-01	1.277054e-01	3.507042e-04	0.0
	G47	2.839427e-01	2.520014e-01	9.490728e-03	0.0
	G46	2.119365e+00	2.108195e+00	1.752302e-02	0.0
	I	7.149957e-01	2.083656e+00	1.773209e-04	0.0
	H49	5.096329e-01	6.579220e-01	1.652940e-02	0.0
	H50	1.880685e-03	2.546764e-03	8.107529e-05	0.0
	H51	1.184333e+00	1.313944e+00	1.857185e-01	0.0
	H52	3.106525e-01	1.204002e-01	7.933032e-04	0.0
	H53	5.693006e-01	7.344188e-01	5.746730e-03	0.0
	K64	2.095011e-01	1.039647e+00	4.117498e-03	0.0
	K65	1.072590e-04	3.132205e-04	1.516953e-08	0.0
	K66	2.562478e-02	6.798314e-02	1.599698e-05	0.0
	L68	1.958620e-01	1.654378e-01	1.266894e-04	0.0
	M_N	1.146759e+00	1.118730e+00	1.819227e-03	0.0
	J62_63	8.637117e+00	7.865061e+00	1.854464e-04	0.0
	O84	1.390978e-02	1.449909e-02	1.994952e-05	0.0
	P85	4.275185e-03	6.858505e-03	9.125410e-06	0.0
	R_S	4.701743e-02	1.074612e+00	3.404535e-05	0.0
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
IE	A01	2.345415e-01	2.392545e-01	7.943643e-04	0.0
	A02	3.791385e-04	1.066217e-02	8.460524e-06	0.0
	A03	1.145942e-02	1.773673e-04	2.697285e-06	0.0
	B_nongas	1.383968e-02	2.562878e-02	1.606005e-03	0.0
	B_gas	1.132605e-05	2.417702e-05	2.920750e-06	0.0
	C10-12	1.327414e+01	1.568024e+01	4.700262e-01	0.0
	C13-15	6.526002e-02	3.091441e-01	2.434415e-02	0.0
	C16	2.159233e-02	4.499812e-02	2.177192e-04	0.0
	C17	7.458223e-02	8.833854e-02	9.876724e-04	0.0
	C18	1.257887e+00	1.373922e+00	3.231475e-02	0.0
	C19	1.309510e-02	1.604354e-02	8.525265e-04	0.0
	C24	5.523331e-02	7.979320e-02	2.089518e-03	0.0
	C20-21	6.812321e-02	1.391312e-01	1.554956e-02	0.0

	C22	1.903870e-01	5.473943e-01	3.107206e-03	0.0
	C23	2.238693e-01	7.128524e-02	7.647443e-03	0.0
	C25_33	2.112809e-01	2.453263e-01	8.771268e-03	0.0
	C25	2.455658e-01	3.705530e-01	7.231431e-04	0.0
	C26	7.374943e+00	4.759254e+00	6.104081e-03	0.0
	C27	7.855753e-01	1.736243e+00	6.247076e-02	0.0
	C28_32	6.307208e-01	7.796924e-01	8.011122e-03	0.0
	C29	7.373507e-02	1.476310e-01	3.922311e-02	0.0
	C30	2.982493e-02	6.884791e-02	8.407551e-02	0.0
	C31	8.140878e-03	1.397875e-02	9.967822e-04	0.0
	E37-39	6.104643e-02	2.588052e-02	4.643058e-04	0.0
	D35	6.562352e-06	1.400825e-05	1.692293e-06	0.0
	E36	2.792787e-06	3.859740e-06	4.231953e-07	0.0
	F	6.254957e-01	6.338760e-01	6.396801e-06	0.0
	G45	1.381468e+00	1.152851e+00	1.961597e-04	0.0
	G47	4.475881e-01	7.244764e-01	1.068956e-01	0.0
	G46	5.189302e-01	1.097670e+00	1.337083e-01	0.0
	I	2.401484e-01	7.002464e-01	3.392820e-05	0.0
	H49	1.091045e+00	1.480860e+00	1.953371e-02	0.0
	H50	2.562243e-02	4.609300e-02	7.440027e-03	0.0
	H51	1.367546e+00	1.601776e+00	2.253412e-01	0.0
	H52	2.007671e+00	5.725805e-01	1.009828e-05	0.0
	H53	1.892692e+00	3.723587e+00	8.298735e-05	0.0
	K64	6.950014e+00	3.402427e+01	1.343292e-01	0.0
	K65	8.023304e-02	8.705580e-02	2.340215e-07	0.0
	K66	1.439136e+00	3.990780e+00	9.607206e-04	0.0
	L68	1.262506e+00	2.072566e-01	3.537792e-05	0.0
	M_N	4.660845e+00	4.980658e+00	4.107179e-03	0.0
	J62_63	6.492578e+01	5.909275e+01	1.296631e-03	0.0
	O84	5.461980e-06	1.197636e-05	0.000000e+00	0.0
	P85	2.850241e-01	1.029122e-01	2.643202e-06	0.0
	R_S	1.890798e-01	2.833754e+00	1.095713e-05	0.0
	T	4.013577e-01	1.672004e-01	6.986214e-02	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
IT	A01	5.685089e+00	6.707377e+00	3.892752e-02	0.0
	A02	2.212110e-06	2.191649e-05	1.488923e-07	0.0
	A03	8.861349e-04	1.213979e-07	1.570581e-08	0.0
	B_nongas	9.127574e+00	2.301910e+00	8.727902e-02	0.0
	B_gas	2.081735e-02	1.694180e-02	7.370241e-05	0.0
	C10-12	8.377997e+00	1.050534e+01	3.617270e-01	0.0
	C13-15	2.822364e+00	9.505949e+00	4.244984e-01	0.0
	C16	4.431559e-01	8.633095e-01	2.351826e-03	0.0
	C17	9.088863e+00	1.014490e+01	6.758602e-03	0.0
	C18	1.579612e+00	1.626888e+00	1.706607e-03	0.0
	C19	1.884760e+01	1.365815e+01	1.076606e+00	0.0
	C24	3.362081e+00	4.782682e+00	2.189376e-01	0.0
	C20-21	1.182569e+00	2.062529e+00	3.802094e-01	0.0
	C22	2.516551e+00	7.631234e+00	3.714709e-02	0.0

	C23	7.563254e+00	1.855458e+00	4.454327e-02	0.0
	C25_33	3.801163e+00	5.050505e+00	2.054922e-01	0.0
	C25	7.536585e+00	1.146820e+01	1.200965e-01	0.0
	C26	4.629572e-01	5.042747e-01	1.054645e-02	0.0
	C27	5.025251e+00	1.111450e+01	3.979806e-01	0.0
	C28_32	1.851210e+00	2.545301e+00	7.333791e-03	0.0
	C29	1.705873e+00	3.796578e+00	1.081939e+00	0.0
	C30	5.873111e-01	1.339338e+00	1.467422e+00	0.0
	C31	1.548545e-01	3.143621e-01	2.677543e-02	0.0
	E37-39	5.500865e-02	5.104739e-02	1.183683e-03	0.0
	D35	1.789461e-01	3.934934e-01	1.583188e-02	0.0
	E36	3.543628e-02	7.909825e-02	3.122523e-03	0.0
	F	2.207615e-01	2.272051e-01	3.625187e-05	0.0
	G45	1.236636e+00	1.187280e+00	2.468487e-02	0.0
	G47	2.777165e+00	3.546462e+00	1.431083e-01	0.0
	G46	1.225411e+00	1.523335e+00	9.189829e-02	0.0
	I	2.292959e+00	6.714568e+00	1.427518e-03	0.0
	H49	1.376906e+00	1.702307e+00	4.357947e-02	0.0
	H50	1.655246e-01	3.399634e-01	6.617981e-02	0.0
	H51	4.562410e+00	5.066589e+00	7.156155e-01	0.0
	H52	1.093808e+00	4.986335e-01	2.242315e-02	0.0
	H53	1.488102e+00	2.799286e+00	3.098887e-03	0.0
	K64	1.745420e+00	8.609905e+00	3.388500e-02	0.0
	K65	6.059148e-03	4.456117e-03	8.598509e-08	0.0
	K66	2.003860e-01	5.389796e-01	1.289272e-04	0.0
	L68	3.733719e-01	7.416200e-02	1.040726e-04	0.0
	M_N	4.398293e+00	4.073852e+00	3.828369e-03	0.0
	J62_63	2.056381e+00	1.801168e+00	1.106640e-03	0.0
	O84	2.242265e-02	2.605101e-02	4.876024e-05	0.0
	P85	1.279525e-02	2.329501e-02	5.545090e-04	0.0
	R_S	8.276287e-02	8.247621e-01	5.001603e-04	0.0
	T	6.173796e+00	2.571923e+00	1.074639e+00	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
LT	A01	3.639034e+00	5.273187e+00	1.955809e-01	0.0
	A02	5.460758e-04	1.022659e-03	4.022853e-06	0.0
	A03	1.839086e-04	2.695452e-04	4.012792e-06	0.0
	B_nongas	4.000392e-03	2.350858e-02	3.027429e-04	0.0
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	C10-12	4.512602e-01	4.444639e-01	9.980032e-03	0.0
	C13-15	1.174452e-02	5.221292e-02	3.353060e-03	0.0
	C16	6.695113e-02	1.328051e-01	1.438140e-05	0.0
	C17	4.297845e-02	4.841327e-02	9.076118e-06	0.0
	C18	5.894598e-02	5.777137e-02	6.677088e-06	0.0
	C19	6.138126e-01	6.511913e-01	4.893372e-02	0.0
	C24	1.601667e-03	1.879572e-03	7.888486e-05	0.0
	C20-21	6.109500e-04	1.199508e-03	1.491145e-04	0.0
	C22	1.427442e-02	4.254299e-02	3.046355e-04	0.0
	C23	4.250592e-02	5.910059e-03	6.195816e-05	0.0

	C25_33	1.340823e-02	1.740607e-02	6.558136e-04	0.0
	C25	9.948739e-03	1.764414e-02	3.430603e-04	0.0
	C26	4.496009e-03	2.885332e-03	5.706567e-05	0.0
	C27	1.901821e-02	4.198319e-02	2.379559e-03	0.0
	C28_32	1.651497e-02	2.325640e-02	3.137428e-04	0.0
	C29	4.787479e-03	1.121858e-02	3.920832e-03	0.0
	C30	9.286017e-03	2.180736e-02	2.539566e-02	0.0
	C31	6.194688e-03	1.202620e-02	1.940349e-03	0.0
	E37-39	1.035159e-03	8.441395e-04	7.990443e-06	0.0
	D35	4.058851e-04	5.401903e-04	1.714076e-08	0.0
	E36	4.269338e-04	2.402945e-04	2.049533e-07	0.0
	F	4.931029e-03	4.461422e-03	2.255261e-05	0.0
	G45	1.313558e-02	1.120197e-02	3.946073e-05	0.0
	G47	1.570592e-02	1.619556e-02	9.592221e-04	0.0
	G46	2.914822e-01	4.142818e-01	1.541789e-02	0.0
	I	1.421816e-02	4.111895e-02	4.347098e-06	0.0
	H49	2.791914e-02	3.124680e-02	5.631374e-04	0.0
	H50	3.965664e-04	5.515163e-04	5.624278e-05	0.0
	H51	4.516482e-02	5.005621e-02	7.073579e-03	0.0
	H52	9.157142e-02	2.677683e-02	3.130393e-06	0.0
	H53	5.508610e-03	1.032803e-02	5.402869e-05	0.0
	K64	1.307935e-02	6.474573e-02	2.565943e-04	0.0
	K65	3.311630e-05	3.015473e-05	4.497508e-10	0.0
	K66	6.316824e-04	1.733775e-03	4.154046e-07	0.0
	L68	4.118139e-03	2.743249e-03	5.339936e-06	0.0
	M_N	1.160698e-01	5.719544e-02	9.009221e-05	0.0
	J62_63	1.915644e-02	1.427894e-02	4.131439e-07	0.0
	O84	6.686770e-04	2.999411e-03	1.162376e-05	0.0
	P85	9.603359e-04	1.112493e-03	5.776266e-07	0.0
	R_S	1.189794e-03	1.815599e-02	4.999547e-06	0.0
	T	8.408335e-03	3.502803e-03	1.463593e-03	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
LU	A01	1.669929e-01	1.969684e-01	1.081443e-03	0.0
	A02	5.123427e-07	5.076038e-06	3.448465e-08	0.0
	A03	9.132988e-06	1.251193e-09	1.618726e-10	0.0
	B_nongas	1.055209e+00	6.024860e-02	2.073238e-05	0.0
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	C10-12	5.542598e-01	6.395676e-01	1.935800e-02	0.0
	C13-15	5.336493e-02	2.554165e-01	2.066550e-02	0.0
	C16	1.202930e-02	2.399130e-02	1.659026e-06	0.0
	C17	4.976173e-01	5.301542e-01	4.684822e-04	0.0
	C18	1.818939e-01	2.200146e-01	2.380136e-03	0.0
	C19	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	C24	7.286009e-01	1.149862e+00	1.025273e-01	0.0
	C20-21	7.085702e-02	2.089379e-01	4.555146e-02	0.0
	C22	1.878928e-01	6.025822e-01	2.202716e-03	0.0
	C23	2.358730e-02	1.005863e-02	3.251847e-04	0.0
	C25_33	5.030814e-01	5.634498e-01	5.467634e-03	0.0

	C25	1.194293e-01	1.833917e-01	2.286718e-04	0.0
	C26	1.092944e-02	7.427797e-03	2.907200e-07	0.0
	C27	1.121538e-01	2.143468e-01	7.497191e-03	0.0
	C28_32	2.169391e-01	2.938678e-01	3.238558e-04	0.0
	C29	1.232414e-01	2.318517e-01	3.889658e-02	0.0
	C30	2.210491e-02	5.126386e-02	6.120021e-02	0.0
	C31	9.096912e-05	1.572250e-04	4.212766e-05	0.0
	E37-39	9.918508e-03	7.228231e-03	2.900508e-05	0.0
	D35	1.818205e-02	1.805044e-02	9.834632e-05	0.0
	E36	1.321793e-05	1.465590e-05	1.423669e-07	0.0
	F	1.206242e-01	1.227184e-01	1.568845e-04	0.0
	G45	3.215498e-01	2.701066e-01	4.999659e-04	0.0
	G47	1.915847e-01	1.931440e-01	2.734762e-02	0.0
	G46	2.567031e-01	4.935479e-01	5.389207e-02	0.0
	I	3.826273e-02	1.101237e-01	1.349852e-04	0.0
	H49	7.040863e-02	7.114314e-02	7.437144e-04	0.0
	H50	4.418075e-03	8.096779e-03	1.560099e-03	0.0
	H51	7.269573e-02	6.910280e-02	8.556107e-03	0.0
	H52	3.648659e-02	1.704746e-02	8.131189e-04	0.0
	H53	4.572283e-02	8.544146e-02	3.382343e-04	0.0
	K64	6.202253e+00	3.107628e+01	1.234903e-01	0.0
	K65	8.764883e-05	1.501299e-05	2.446950e-09	0.0
	K66	4.348397e-01	1.205828e+00	2.902849e-04	0.0
	L68	3.308003e-02	1.071985e-02	8.741849e-05	0.0
	M_N	2.195371e-01	2.135013e-01	2.429379e-04	0.0
	J62_63	2.318094e-01	2.119953e-01	1.816302e-04	0.0
	O84	8.603632e-04	1.009679e-03	8.871141e-07	0.0
	P85	2.803165e-04	5.341900e-04	4.776845e-06	0.0
	R_S	3.115727e-02	4.490010e-01	3.170477e-04	0.0
	T	5.898237e-01	2.457129e-01	1.026674e-01	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
LV	A01	2.035631e+00	3.034676e+00	1.025217e-01	0.0
	A02	1.922749e-03	3.781501e-03	1.022499e-05	0.0
	A03	2.970209e-04	4.002872e-04	2.317092e-05	0.0
	B_nongas	1.625433e-04	2.728565e-02	4.008567e-05	0.0
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	C10-12	1.519354e-01	1.593928e-01	3.427712e-03	0.0
	C13-15	9.477105e-03	3.287837e-02	2.086778e-03	0.0
	C16	1.398248e-01	2.786826e-01	1.122511e-04	0.0
	C17	2.038134e-02	2.266977e-02	1.102828e-06	0.0
	C18	1.422313e-02	1.404100e-02	6.980673e-06	0.0
	C19	2.414797e-02	1.803301e-02	1.473512e-03	0.0
	C24	8.225447e-03	1.724418e-02	1.468244e-03	0.0
	C20-21	6.230204e-04	1.542991e-03	2.942275e-04	0.0
	C22	1.267610e-02	2.677512e-02	4.142686e-04	0.0
	C23	9.768778e-03	4.140971e-03	2.603697e-04	0.0
	C25_33	5.762025e-03	6.769193e-03	2.775253e-04	0.0
	C25	3.807729e-03	6.079890e-03	5.965789e-05	0.0

	C26	8.504188e-03	5.551260e-03	1.608309e-05	0.0
	C27	5.048086e-02	1.195061e-01	2.219550e-03	0.0
	C28_32	6.606039e-03	8.934515e-03	7.954878e-06	0.0
	C29	4.195706e-03	1.020569e-02	3.397479e-03	0.0
	C30	1.491582e-03	3.673684e-03	4.000219e-03	0.0
	C31	1.488932e-04	3.174270e-04	2.980493e-05	0.0
	E37-39	5.212200e-03	3.823423e-03	1.549684e-04	0.0
	D35	8.397764e-04	1.021041e-03	1.933933e-05	0.0
	E36	2.249947e-04	9.229680e-05	2.507176e-06	0.0
	F	2.507736e-02	2.684051e-02	1.016052e-04	0.0
	G45	3.270538e-02	2.751229e-02	2.881954e-05	0.0
	G47	2.273494e-02	4.225513e-02	2.196755e-03	0.0
	G46	2.624136e-02	3.581754e-02	3.136272e-03	0.0
	I	9.068369e-02	2.597139e-01	1.351300e-04	0.0
	H49	3.108622e-02	4.214968e-02	6.719416e-04	0.0
	H50	3.899081e-03	8.371968e-03	1.629016e-03	0.0
	H51	1.044757e-01	1.159483e-01	1.638299e-02	0.0
	H52	6.500661e-02	1.922117e-02	8.074638e-05	0.0
	H53	9.432311e-03	1.857996e-02	8.362197e-06	0.0
	K64	3.507893e-02	1.757717e-01	6.984908e-04	0.0
	K65	1.898064e-08	3.942685e-08	0.000000e+00	0.0
	K66	1.293730e-03	3.587564e-03	8.636522e-07	0.0
	L68	1.456662e-02	3.820355e-03	4.322035e-06	0.0
	M_N	4.435512e-02	3.648778e-02	3.613108e-05	0.0
	J62_63	4.074341e-02	3.711910e-02	6.765895e-06	0.0
	O84	1.094212e-07	2.399255e-07	0.000000e+00	0.0
	P85	3.623904e-05	3.612456e-05	1.374401e-07	0.0
	R_S	5.686735e-03	1.398033e-01	7.185700e-06	0.0
	T	3.330097e-02	1.387275e-02	5.796519e-03	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
MT	A01	7.284464e-02	8.872928e-02	1.091578e-03	0.0
	A02	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	A03	2.120475e-02	3.490201e-02	1.501805e-03	0.0
	B_nongas	2.299473e-03	1.038043e-04	4.940594e-07	0.0
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	C10-12	2.889609e-01	4.459974e-01	1.905908e-02	0.0
	C13-15	1.822571e-03	5.286319e-03	1.225359e-04	0.0
	C16	4.949967e-05	8.103320e-05	1.754151e-06	0.0
	C17	1.246205e-02	1.393622e-02	4.842111e-05	0.0
	C18	5.172992e-02	5.085522e-02	1.918597e-05	0.0
	C19	1.117341e-03	8.400370e-04	6.858662e-05	0.0
	C24	1.539710e-04	2.523533e-04	8.153304e-06	0.0
	C20-21	1.238066e-02	3.850289e-02	1.183730e-03	0.0
	C22	2.179712e-02	7.000821e-02	2.204470e-04	0.0
	C23	4.132721e-02	1.508623e-03	3.337302e-05	0.0
	C25_33	4.595779e-03	5.209763e-03	2.156455e-04	0.0
	C25	8.954715e-03	1.337326e-02	2.553076e-07	0.0
	C26	1.470818e-03	9.478340e-04	3.925397e-08	0.0

	C27	2.219795e-02	4.822942e-02	1.675330e-03	0.0
	C28_32	2.040469e-03	3.049969e-03	1.589012e-05	0.0
	C29	7.172077e-04	1.616091e-03	5.306784e-04	0.0
	C30	7.842979e-04	1.734640e-03	2.053202e-03	0.0
	C31	3.284637e-04	5.803549e-04	4.593857e-05	0.0
	E37-39	6.182881e-03	3.195061e-03	3.035910e-05	0.0
	D35	6.745961e-04	9.260055e-04	1.189620e-08	0.0
	E36	1.167988e-04	1.076444e-04	1.543142e-09	0.0
	F	6.259443e-02	3.377770e-02	7.932947e-05	0.0
	G45	6.679347e-02	5.605380e-02	7.362147e-05	0.0
	G47	2.789110e-02	4.274647e-02	5.433185e-03	0.0
	G46	5.815277e-02	6.635365e-02	4.340134e-03	0.0
	I	2.074984e-02	5.185377e-02	1.011712e-04	0.0
	H49	9.166451e-02	1.182946e-01	1.540465e-03	0.0
	H50	3.075437e-03	4.045808e-03	3.338649e-04	0.0
	H51	1.093266e-01	1.147834e-01	1.726564e-02	0.0
	H52	1.981514e-01	6.141105e-02	4.451641e-04	0.0
	H53	8.924122e-02	1.530524e-01	3.035671e-06	0.0
	K64	2.482801e-01	1.232482e+00	4.878567e-03	0.0
	K65	1.669556e-03	1.520290e-03	2.267227e-08	0.0
	K66	2.614668e-02	6.556181e-02	1.718312e-05	0.0
	L68	4.065448e-02	1.623146e-02	1.223870e-06	0.0
	M_N	3.132675e-01	3.665017e-01	6.332835e-04	0.0
	J62_63	3.306079e-01	3.009770e-01	4.488918e-06	0.0
	O84	7.409415e-03	7.483438e-03	2.179801e-05	0.0
	P85	1.015275e-02	7.283124e-03	6.308240e-05	0.0
	R_S	2.033748e-02	3.178477e-01	6.185364e-05	0.0
	T	1.472683e-01	6.135005e-02	2.563419e-02	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
NL	A01	8.670012e+00	9.957424e+00	5.491414e-02	0.0
	A02	1.418587e-05	4.195236e-05	5.472449e-08	0.0
	A03	6.593008e-02	5.824469e-02	5.480127e-04	0.0
	B_nongas	9.177671e-02	2.399315e-02	3.503168e-03	0.0
	B_gas	9.823956e-01	4.087578e-01	5.778739e-07	0.0
	C10-12	2.118322e+01	2.190709e+01	4.919377e-01	0.0
	C13-15	1.644937e-01	6.886483e-01	5.140982e-02	0.0
	C16	5.574809e-02	1.101307e-01	4.757623e-04	0.0
	C17	1.722868e+00	1.955429e+00	1.356588e-02	0.0
	C18	4.208817e+00	4.134074e+00	4.313241e-05	0.0
	C19	1.488618e+01	1.120598e+01	8.062670e-01	0.0
	C24	3.913005e-01	6.009434e-01	2.175054e-02	0.0
	C20-21	1.936301e+00	2.035500e+00	1.915414e-01	0.0
	C22	8.027683e-01	2.500342e+00	9.783413e-03	0.0
	C23	2.624249e-01	7.898752e-02	1.860323e-03	0.0
	C25_33	8.167645e-01	9.624175e-01	4.227920e-02	0.0
	C25	1.456654e+00	2.055686e+00	1.844585e-02	0.0
	C26	3.116684e-01	2.367223e-01	6.512145e-02	0.0
	C27	1.007306e+00	2.092674e+00	1.083331e-01	0.0

	C28_32	1.003662e+00	1.327213e+00	3.654264e-02	0.0
	C29	7.487995e-01	1.749326e+00	6.027365e-01	0.0
	C30	7.785706e-01	1.876235e+00	2.226979e+00	0.0
	C31	1.169019e+00	1.296397e+00	1.374187e-02	0.0
	E37-39	1.821481e-01	2.097882e-01	6.896140e-03	0.0
	D35	2.031608e-02	1.887723e-02	2.570581e-07	0.0
	E36	1.876974e-03	1.535345e-03	2.304774e-08	0.0
	F	2.764140e-01	2.743381e-01	3.961526e-03	0.0
	G45	2.690888e-01	2.500975e-01	2.345972e-05	0.0
	G47	2.884524e-01	4.236821e-01	3.558810e-02	0.0
	G46	4.355317e+00	3.894119e+00	2.499953e-01	0.0
	I	1.189900e+00	3.477483e+00	1.667361e-04	0.0
	H49	5.206258e-01	6.391945e-01	9.511652e-03	0.0
	H50	9.414025e-02	1.568533e-01	2.638498e-02	0.0
	H51	1.933220e+00	2.164639e+00	2.639569e-01	0.0
	H52	3.461552e-01	2.811115e-01	1.311863e-03	0.0
	H53	1.093405e+00	1.762491e+00	2.598863e-03	0.0
	K64	2.823744e-01	9.804853e-01	3.491733e-03	0.0
	K65	1.929851e-01	1.887733e-01	1.666043e-06	0.0
	K66	1.377134e-01	2.388192e-01	4.094817e-05	0.0
	L68	8.975538e-02	2.277158e-02	2.895769e-06	0.0
	M_N	6.233152e+00	5.057270e+00	2.786372e-03	0.0
	J62_63	6.356750e+00	5.825309e+00	4.890879e-04	0.0
	O84	6.368005e-01	5.928568e-01	2.406059e-02	0.0
	P85	4.797384e-01	2.209207e-01	3.734538e-06	0.0
	R_S	5.196343e-01	1.044538e+00	4.579397e-02	0.0
	T	4.764857e-02	1.984978e-02	8.293928e-03	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
PL	A01	5.862126e+00	7.824681e+00	2.452869e-01	0.0
	A02	1.161747e-02	1.395447e-02	2.883897e-05	0.0
	A03	1.591803e-03	1.941965e-03	1.501430e-04	0.0
	B_nongas	4.199075e-02	2.819821e-02	1.875030e-03	0.0
	B_gas	3.069741e-05	4.573584e-05	2.908471e-06	0.0
	C10-12	6.152024e+00	7.213725e+00	1.817572e-01	0.0
	C13-15	9.731171e-02	3.856368e-01	2.524693e-02	0.0
	C16	9.867716e-02	1.456506e-01	4.386567e-04	0.0
	C17	3.116008e+00	3.491395e+00	6.185020e-03	0.0
	C18	5.010511e-01	5.210587e-01	5.065758e-04	0.0
	C19	1.301372e-01	1.209366e-01	4.670348e-03	0.0
	C24	1.555082e-01	2.322003e-01	2.289576e-02	0.0
	C20-21	9.409617e-02	1.433595e-01	8.429495e-03	0.0
	C22	4.992643e-01	1.508696e+00	1.954076e-02	0.0
	C23	6.161538e-01	1.150389e-01	1.030625e-03	0.0
	C25_33	5.944987e-01	7.793493e-01	8.677699e-02	0.0
	C25	4.794074e-01	7.887690e-01	5.465849e-02	0.0
	C26	7.384620e-02	4.873409e-02	8.291767e-05	0.0
	C27	1.003103e+00	2.255884e+00	1.111938e-01	0.0
	C28_32	1.348966e-01	2.068253e-01	4.626547e-02	0.0

	C29	4.866011e-01	1.145829e+00	3.482053e-01	0.0
	C30	4.644346e-01	1.175244e+00	1.490440e+00	0.0
	C31	1.503276e-02	3.486740e-02	2.581643e-02	0.0
	E37-39	2.670588e-02	2.306432e-02	7.452635e-04	0.0
	D35	1.890795e-02	1.331654e-02	3.457400e-04	0.0
	E36	3.492246e-03	2.585035e-03	1.697825e-05	0.0
	F	1.095897e-01	1.628987e-01	4.561368e-03	0.0
	G45	9.769640e-02	9.580759e-02	2.077099e-03	0.0
	G47	8.805677e-01	1.057114e+00	1.406990e-02	0.0
	G46	1.936540e+00	1.924447e+00	3.899175e-02	0.0
	I	4.400378e-01	1.259549e+00	3.496127e-04	0.0
	H49	2.355078e-01	2.898573e-01	6.148963e-03	0.0
	H50	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	H51	8.622050e-01	9.602467e-01	1.348443e-01	0.0
	H52	2.308085e-01	7.964908e-02	7.568666e-05	0.0
	H53	8.860969e-02	1.573852e-01	1.466020e-04	0.0
	K64	9.213712e-02	4.467677e-01	1.716319e-03	0.0
	K65	1.103860e-04	3.152583e-04	1.511094e-08	0.0
	K66	1.861233e-02	4.984592e-02	1.525865e-05	0.0
	L68	2.821428e-02	1.267898e-02	3.783130e-05	0.0
	M_N	5.989870e-01	5.202906e-01	8.448122e-03	0.0
	J62_63	6.601893e-01	6.035105e-01	9.821615e-05	0.0
	O84	1.148698e-03	1.062793e-03	5.760933e-09	0.0
	P85	1.193873e-02	7.824966e-03	7.915222e-06	0.0
	R_S	4.300913e-02	6.391944e-01	9.524987e-05	0.0
	T	2.793873e-01	1.163891e-01	4.863143e-02	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
PT	A01	2.992060e+01	2.783651e+01	4.841952e-02	0.0
	A02	2.931210e-04	2.581752e-04	5.947301e-06	0.0
	A03	3.892116e-04	2.317285e-04	3.711078e-06	0.0
	B_nongas	4.267990e+00	4.377376e-01	5.571114e-03	0.0
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	C10-12	1.062329e+00	9.199601e-01	2.456548e-02	0.0
	C13-15	2.606695e-01	9.530894e-01	4.631561e-02	0.0
	C16	8.714274e-02	1.743906e-01	1.506629e-05	0.0
	C17	4.770149e+00	5.413429e+00	3.839689e-02	0.0
	C18	4.137399e-01	4.564520e-01	1.697176e-03	0.0
	C19	1.262724e-01	1.469267e-01	1.004549e-02	0.0
	C24	1.209972e-02	2.092515e-02	1.448601e-03	0.0
	C20-21	2.842292e-02	7.522709e-02	1.496839e-02	0.0
	C22	2.041943e-01	6.416049e-01	2.219643e-03	0.0
	C23	3.814846e-01	6.124411e-02	3.442425e-04	0.0
	C25_33	1.624120e-01	1.930735e-01	8.096972e-03	0.0
	C25	8.198975e-02	1.200206e-01	3.412172e-04	0.0
	C26	1.470286e-02	9.287779e-03	3.581504e-06	0.0
	C27	2.342193e-01	5.262299e-01	1.808292e-02	0.0
	C28_32	3.088473e-02	4.259333e-02	8.774587e-04	0.0
	C29	5.794035e-02	1.391167e-01	4.260237e-02	0.0

	C30	7.249511e-03	1.779382e-02	1.497650e-02	0.0
	C31	4.468815e-03	7.930102e-03	4.737005e-04	0.0
	E37-39	1.267811e-03	1.449912e-03	5.951344e-05	0.0
	D35	6.543185e-04	1.220115e-03	3.740696e-05	0.0
	E36	1.930860e-04	1.642274e-04	1.636018e-06	0.0
	F	2.139675e-02	2.391102e-02	4.686162e-04	0.0
	G45	3.104788e-02	2.610723e-02	1.067029e-04	0.0
	G47	5.171675e-02	6.087401e-02	6.751205e-03	0.0
	G46	1.546228e-01	1.682559e-01	4.774482e-03	0.0
	I	2.909486e-02	7.976364e-02	3.622807e-05	0.0
	H49	1.715838e-02	2.094090e-02	3.144709e-04	0.0
	H50	4.411759e-04	5.883963e-04	5.314950e-05	0.0
	H51	1.486253e-02	2.348049e-02	1.692023e-03	0.0
	H52	1.664281e-02	5.059117e-03	3.217072e-06	0.0
	H53	1.116097e-02	2.102527e-02	8.299728e-05	0.0
	K64	5.120523e-02	2.509552e-01	9.929043e-04	0.0
	K65	1.694314e-05	2.864229e-06	4.735676e-10	0.0
	K66	1.443370e-03	4.002383e-03	1.019271e-06	0.0
	L68	4.757524e-03	1.084479e-03	8.099756e-07	0.0
	M_N	6.028361e-02	4.720875e-02	1.286590e-05	0.0
	J62_63	6.615035e-02	6.004781e-02	9.068530e-07	0.0
	O84	1.792899e-02	1.751777e-02	6.540487e-05	0.0
	P85	7.497920e-04	6.369786e-04	3.114216e-07	0.0
	R_S	1.790743e-02	3.374953e-02	9.788437e-05	0.0
	T	9.149372e-02	3.811510e-02	1.592581e-02	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
RO	A01	3.448023e+01	4.183097e+01	8.136542e-01	0.0
	A02	2.887586e-06	2.860877e-05	1.943570e-07	0.0
	A03	3.530567e-05	4.836773e-09	6.257559e-10	0.0
	B_nongas	2.402763e-01	1.448988e-01	2.334650e-02	0.0
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	C10-12	3.008422e+00	1.038640e+00	2.200050e-02	0.0
	C13-15	8.051480e-02	3.269757e-01	1.727941e-02	0.0
	C16	7.174466e-01	1.433197e+00	6.782635e-05	0.0
	C17	5.881960e-01	6.544291e-01	1.103269e-04	0.0
	C18	5.875734e-02	5.736463e-02	2.037923e-07	0.0
	C19	5.652589e+00	8.217623e+00	6.440038e-01	0.0
	C24	1.146910e-01	1.976113e-01	1.577572e-02	0.0
	C20-21	1.237142e-02	3.810291e-02	8.018736e-03	0.0
	C22	4.720865e-01	1.520437e+00	4.418074e-03	0.0
	C23	1.855240e-01	3.665913e-02	1.449305e-04	0.0
	C25_33	2.968602e-01	3.344882e-01	1.361702e-02	0.0
	C25	2.290509e-01	3.434985e-01	4.300760e-06	0.0
	C26	1.529176e-01	9.632850e-02	4.190366e-06	0.0
	C27	4.305311e-01	9.764154e-01	3.633650e-02	0.0
	C28_32	1.688682e-01	2.280661e-01	1.428276e-05	0.0
	C29	4.709806e-01	1.157305e+00	3.887558e-01	0.0
	C30	9.877920e-02	2.540157e-01	3.304221e-01	0.0

	C31	4.047085e-04	6.434326e-04	2.993826e-04	0.0
	E37-39	2.007528e-02	7.450174e-03	1.278006e-04	0.0
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	F	6.030414e-02	6.111205e-02	6.152283e-07	0.0
	G45	1.112530e-01	9.284183e-02	1.579393e-05	0.0
	G47	4.245264e-02	7.144577e-02	1.057539e-02	0.0
	G46	4.602966e-02	9.825666e-02	1.187008e-02	0.0
	I	6.626286e-01	1.936312e+00	9.393058e-05	0.0
	H49	2.481166e-01	3.219427e-01	6.089425e-03	0.0
	H50	2.073233e-02	4.380491e-02	8.388692e-03	0.0
	H51	1.613120e-01	1.790738e-01	2.532067e-02	0.0
	H52	9.697099e-02	2.765578e-02	4.877496e-07	0.0
	H53	9.791902e-02	1.926409e-01	4.293376e-06	0.0
	K64	1.078938e-01	5.406285e-01	2.148378e-03	0.0
	K65	5.299608e-08	1.100842e-07	0.000000e+00	0.0
	K66	7.594084e-03	2.105869e-02	5.069565e-06	0.0
	L68	2.707116e-02	4.444080e-03	7.585877e-07	0.0
	M_N	7.134097e-01	6.910057e-01	3.462238e-06	0.0
	J62_63	6.690680e-01	6.090274e-01	9.088983e-06	0.0
	O84	1.999848e-07	4.385023e-07	0.000000e+00	0.0
	P85	3.234387e-05	4.563468e-06	3.807527e-08	0.0
	R_S	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
SE	A01	2.079663e-02	2.407029e-02	6.026756e-05	0.0
	A02	1.666960e-02	3.235533e-02	1.886199e-06	0.0
	A03	7.875981e-06	1.424804e-09	1.489601e-10	0.0
	B_nongas	5.310530e+00	6.219079e+00	1.020626e-03	0.0
	B_gas	7.093889e-04	7.321705e-04	2.275639e-09	0.0
	C10-12	2.051779e+00	1.693687e+00	1.764250e-02	0.0
	C13-15	3.333815e-02	1.418639e-01	1.035436e-02	0.0
	C16	8.693837e-01	1.729888e+00	1.316007e-04	0.0
	C17	5.770390e+00	6.503930e+00	3.184050e-02	0.0
	C18	3.102462e-01	2.970770e-01	2.662772e-04	0.0
	C19	7.329243e-02	6.826197e-02	4.791745e-03	0.0
	C24	2.556607e-01	4.186531e-01	2.753373e-02	0.0
	C20-21	1.823652e-01	3.074383e-01	3.848493e-02	0.0
	C22	3.157121e-01	9.648688e-01	3.858195e-03	0.0
	C23	4.613003e-01	3.618962e-01	8.904572e-04	0.0
	C25_33	1.878389e-01	2.238774e-01	7.988888e-03	0.0
	C25	7.033377e-01	1.045575e+00	7.568136e-03	0.0
	C26	9.041308e-02	6.272805e-02	1.160157e-03	0.0
	C27	1.632111e+00	3.142541e+00	8.486093e-02	0.0
	C28_32	2.401877e-01	3.226193e-01	5.816828e-04	0.0
	C29	1.126869e+00	2.714667e+00	8.876482e-01	0.0
	C30	4.641208e-02	8.721978e-02	7.985915e-02	0.0
	C31	2.175035e-02	3.360540e-02	1.703076e-03	0.0

	E37-39	4.172952e-03	4.377804e-03	1.442167e-04	0.0
	D35	4.175208e-02	3.950078e-02	9.274854e-07	0.0
	E36	8.822301e-04	8.068676e-04	1.242252e-07	0.0
	F	1.226884e+00	1.409014e+00	1.607611e-03	0.0
	G45	1.244295e+00	1.052424e+00	2.727879e-04	0.0
	G47	7.742229e-01	9.291604e-01	8.220142e-02	0.0
	G46	1.246302e+00	1.757861e+00	1.178100e-01	0.0
	I	8.332562e-02	2.445951e-01	2.556276e-04	0.0
	H49	4.572381e-01	5.655374e-01	1.222131e-02	0.0
	H50	7.216735e-02	1.090417e-01	1.467727e-02	0.0
	H51	1.313114e-01	1.444807e-01	1.982796e-02	0.0
	H52	1.138880e+00	5.296151e-01	6.401152e-04	0.0
	H53	3.734087e-01	5.676890e-01	3.701224e-04	0.0
	K64	5.235106e-01	2.269510e+00	8.707885e-03	0.0
	K65	4.210998e-02	3.651852e-02	5.934084e-07	0.0
	K66	2.616093e-02	5.025127e-02	9.637671e-06	0.0
	L68	1.103499e-01	1.915070e-02	4.630135e-06	0.0
	M_N	2.158693e+00	1.916328e+00	5.445773e-03	0.0
	J62_63	6.230470e+00	5.658888e+00	1.049544e-04	0.0
	O84	8.807109e-02	7.231318e-02	2.184896e-05	0.0
	P85	3.668138e-02	3.912539e-02	1.024117e-04	0.0
	R_S	9.557432e-02	8.863002e-01	5.694653e-04	0.0
	T	3.546196e-01	1.477299e-01	6.172670e-02	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
SI	A01	8.472906e-01	7.257564e-01	6.535338e-04	0.0
	A02	1.769041e-03	3.420691e-03	3.517782e-05	0.0
	A03	2.768112e-05	1.058661e-04	5.856683e-06	0.0
	B_nongas	8.442559e-03	1.696579e-03	4.011742e-05	0.0
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	C10-12	7.278744e-02	9.582390e-02	3.686054e-03	0.0
	C13-15	2.538499e-02	1.031732e-01	6.742015e-03	0.0
	C16	9.576225e-02	1.930901e-01	4.418214e-03	0.0
	C17	5.655527e-01	6.304874e-01	2.124538e-05	0.0
	C18	3.623865e-02	3.553049e-02	7.254848e-05	0.0
	C19	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	C24	2.706790e-02	4.655163e-02	4.252413e-03	0.0
	C20-21	1.877938e-02	4.172628e-02	6.727084e-03	0.0
	C22	1.047252e-01	3.137884e-01	1.342136e-02	0.0
	C23	6.155648e-02	1.400841e-02	5.346797e-04	0.0
	C25_33	7.538005e-02	1.010582e-01	5.529703e-03	0.0
	C25	1.071404e-01	1.644257e-01	4.575934e-03	0.0
	C26	5.019341e-03	4.209827e-03	3.056438e-05	0.0
	C27	1.259999e-01	2.830180e-01	9.024789e-03	0.0
	C28_32	4.140253e-02	5.874364e-02	4.480929e-04	0.0
	C29	2.117615e-01	5.135466e-01	1.603497e-01	0.0
	C30	3.870195e-03	7.827750e-03	7.956356e-03	0.0
	C31	4.110960e-02	2.131771e-02	1.684513e-04	0.0
	E37-39	3.889589e-03	3.667355e-03	1.966948e-05	0.0

	D35	7.042373e-03	8.356663e-03	1.920836e-04	0.0
	E36	3.872348e-04	3.611494e-04	6.845082e-06	0.0
	F	5.133064e-02	4.427558e-02	2.914139e-04	0.0
	G45	4.746928e-02	4.124900e-02	6.935165e-05	0.0
	G47	5.624129e-02	8.251275e-02	2.787401e-03	0.0
	G46	7.270199e-02	9.747769e-02	3.163383e-03	0.0
	I	1.363284e-01	3.980758e-01	2.448696e-05	0.0
	H49	3.195621e-01	4.478418e-01	9.119927e-03	0.0
	H50	4.069282e-02	8.795879e-02	1.740057e-02	0.0
	H51	1.092915e-01	1.218932e-01	1.705076e-02	0.0
	H52	1.727590e-01	9.416980e-02	2.263945e-03	0.0
	H53	4.374237e-02	8.731131e-02	1.215275e-05	0.0
	K64	5.096520e-02	2.093623e-01	1.144133e-03	0.0
	K65	1.231742e-03	1.121324e-03	1.673130e-08	0.0
	K66	5.521959e-03	1.473385e-02	1.071249e-05	0.0
	L68	2.074926e-02	1.684482e-02	1.245846e-04	0.0
	M_N	1.128186e-01	1.146083e-01	2.641044e-04	0.0
	J62_63	1.822088e-01	1.656466e-01	5.378666e-05	0.0
	O84	4.912053e-03	8.030304e-03	2.602289e-06	0.0
	P85	5.648982e-03	7.525398e-03	5.319344e-06	0.0
	R_S	7.084524e-03	8.275253e-02	1.023126e-04	0.0
	T	4.932951e-02	2.055003e-02	8.586519e-03	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
SK	A01	1.023137e-01	1.077151e-01	1.083088e-03	0.0
	A02	1.930967e-04	3.953025e-04	2.665155e-05	0.0
	A03	1.944482e-06	3.654839e-06	4.959583e-07	0.0
	B_nongas	2.549557e-03	3.573654e-03	5.583981e-04	0.0
	B_gas	1.697589e-05	1.898098e-05	1.506310e-07	0.0
	C10-12	8.319472e-02	1.152103e-01	3.989657e-03	0.0
	C13-15	2.481002e-02	8.035801e-02	1.961157e-03	0.0
	C16	1.107939e-02	2.212283e-02	1.002964e-04	0.0
	C17	5.228016e-01	5.841501e-01	1.037329e-04	0.0
	C18	4.890130e-02	4.857880e-02	2.054167e-05	0.0
	C19	2.220218e-03	2.303928e-03	1.912671e-04	0.0
	C24	4.198511e-01	6.207988e-01	2.513453e-03	0.0
	C20-21	7.453380e-03	2.115930e-02	1.621782e-03	0.0
	C22	1.100878e-01	3.249281e-01	1.529031e-03	0.0
	C23	8.945381e-02	1.328836e-02	2.211705e-04	0.0
	C25_33	5.979450e-02	9.170487e-02	7.946822e-03	0.0
	C25	9.305806e-02	1.425074e-01	1.329428e-03	0.0
	C26	1.982225e-02	1.730748e-02	1.527304e-04	0.0
	C27	3.857524e-01	8.690642e-01	3.187813e-02	0.0
	C28_32	3.076049e-02	4.229151e-02	6.863751e-05	0.0
	C29	1.126087e+00	2.768492e+00	9.268439e-01	0.0
	C30	4.928725e-03	1.177915e-02	8.837992e-03	0.0
	C31	2.430641e-03	5.184223e-03	1.748282e-04	0.0
	E37-39	4.163954e-03	5.067780e-03	7.758467e-05	0.0
	D35	1.423446e-03	2.194286e-03	1.164742e-04	0.0

	E36	1.813572e-04	1.945842e-04	1.237808e-05	0.0
	F	2.107606e-02	2.801258e-02	8.797835e-04	0.0
	G45	1.513947e-02	2.178659e-02	4.496888e-03	0.0
	G47	1.878150e-02	2.888511e-02	1.386686e-03	0.0
	G46	8.238349e-02	1.347870e-01	2.872991e-03	0.0
	I	6.143972e-02	1.791395e-01	1.748913e-05	0.0
	H49	3.251512e-02	3.609714e-02	7.762655e-04	0.0
	H50	5.535566e-04	3.086061e-04	1.354303e-05	0.0
	H51	8.492592e-03	1.145951e-02	9.707436e-04	0.0
	H52	4.010394e-02	1.888783e-02	2.096464e-04	0.0
	H53	5.425491e-03	1.013022e-02	4.013893e-05	0.0
	K64	6.302203e-03	3.120331e-02	1.222606e-04	0.0
	K65	9.238508e-09	1.919036e-08	0.000000e+00	0.0
	K66	7.315793e-04	2.179232e-03	1.782978e-06	0.0
	L68	4.290408e-03	3.970683e-03	2.833279e-04	0.0
	M_N	4.741455e-02	7.463956e-02	4.919971e-03	0.0
	J62_63	5.276201e-02	4.900515e-02	9.043653e-06	0.0
	O84	2.626770e-03	5.826037e-03	5.143047e-06	0.0
	P85	1.691139e-03	4.248798e-03	1.053933e-05	0.0
	R_S	3.454563e-03	1.712536e-02	1.722864e-04	0.0
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
GB	A01	4.857842e+00	5.699523e+00	3.590143e-02	0.0
	A02	1.218936e-02	2.417795e-02	1.708139e-06	0.0
	A03	2.235861e-02	2.310440e-03	2.520375e-05	0.0
	B_nongas	3.631423e+00	4.473794e+00	7.755780e-02	0.0
	B_gas	1.993065e-01	2.608089e-01	8.606069e-04	0.0
	C10-12	3.270683e+01	1.701238e+01	4.363021e-01	0.0
	C13-15	1.037069e+00	4.127015e+00	3.682345e-01	0.0
	C16	3.120402e-01	5.258831e-01	8.948277e-03	0.0
	C17	5.180856e+00	5.819325e+00	1.758214e-02	0.0
	C18	1.691096e+01	1.671779e+01	6.334220e-03	0.0
	C19	4.965485e+00	4.670142e+00	3.507392e-01	0.0
	C24	5.743440e+00	8.664987e+00	2.758738e-01	0.0
	C20-21	1.081454e+00	1.805153e+00	2.514428e-01	0.0
	C22	3.018734e+00	9.160973e+00	2.456749e-01	0.0
	C23	1.325758e+00	3.847511e-01	4.581369e-02	0.0
	C25_33	4.578718e+00	9.495220e+00	3.887319e+00	0.0
	C25	6.221708e+00	1.177075e+01	4.321752e+00	0.0
	C26	1.222622e+00	2.163515e+00	6.423637e-01	0.0
	C27	4.499466e+00	8.911333e+00	2.751422e+00	0.0
	C28_32	2.050914e+00	3.505194e+00	1.788536e+00	0.0
	C29	6.191672e+00	1.153331e+01	5.111945e+00	0.0
	C30	3.379972e+00	6.547079e+00	2.766933e+00	0.0
	C31	1.232647e+00	2.315134e+00	1.855675e+00	0.0
	E37-39	3.568162e-01	3.500330e-01	8.063576e-04	0.0
	D35	4.505040e-01	2.707991e-01	3.931229e-04	0.0
	E36	2.690058e-02	2.965566e-02	1.787347e-05	0.0

	F	2.557794e+00	2.606484e+00	4.484166e-05	0.0
	G45	8.314544e+00	6.968909e+00	1.210380e-03	0.0
	G47	3.997446e+00	8.142525e+00	5.303258e-01	0.0
	G46	3.190822e+00	5.084764e+00	4.035679e-01	0.0
	I	5.537789e+00	1.591948e+01	7.797638e-04	0.0
	H49	6.022703e+00	8.140522e+00	9.175360e-02	0.0
	H50	4.389982e-01	8.816611e-01	1.604313e-01	0.0
	H51	1.773718e+01	1.966848e+01	2.756793e+00	0.0
	H52	9.073480e+00	3.001523e+00	5.517235e-05	0.0
	H53	3.400028e+00	5.849353e+00	1.098199e-03	0.0
	K64	1.807302e+01	8.681145e+01	3.416177e-01	0.0
	K65	2.233568e-01	1.465941e-01	4.140942e-06	0.0
	K66	1.446346e+00	2.941999e+00	5.837247e-04	0.0
	L68	2.038147e+00	3.683419e-01	5.633681e-05	0.0
	M_N	1.645285e+01	1.555501e+01	1.550784e-04	0.0
	J62_63	2.018810e+01	1.897359e+01	2.685987e-02	0.0
	O84	1.262645e-05	2.768572e-05	0.000000e+00	0.0
	P85	1.255022e-01	1.250706e-01	3.402748e-05	0.0
	R_S	1.563098e+00	1.137536e+01	1.727403e-03	0.0
	T	1.519721e+01	6.330949e+00	2.645288e+00	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
US	A01	9.084531e+01	1.191700e+02	1.814084e+00	0.0
	A02	8.665476e-03	1.176055e-02	1.304669e-04	0.0
	A03	1.089574e-02	1.492684e-06	1.931155e-07	0.0
	B_nongas	2.655157e+01	1.659867e+01	1.640826e+00	0.0
	B_gas	1.147493e+02	4.788450e+01	9.916180e-02	0.0
	C10-12	2.873348e+01	2.762013e+01	7.418389e-01	0.0
	C13-15	1.189399e+00	4.910009e+00	2.962090e-01	0.0
	C16	2.955318e-01	5.911599e-01	1.812015e-04	0.0
	C17	9.880041e+00	1.279873e+01	5.907508e-01	0.0
	C18	1.119484e+01	1.102985e+01	5.879960e-04	0.0
	C19	1.306934e+01	1.151736e+01	8.286602e-01	0.0
	C24	7.174885e+00	1.037369e+01	1.956046e-01	0.0
	C20-21	2.777159e+00	7.509713e+00	1.573826e+00	0.0
	C22	4.587211e+00	1.448572e+01	6.568631e-02	0.0
	C23	2.920641e+00	5.961579e-01	3.561974e-02	0.0
	C25_33	3.672391e+00	4.357368e+00	2.207117e-01	0.0
	C25	9.906390e+00	1.494510e+01	1.198068e-01	0.0
	C26	8.987614e+00	5.839436e+00	3.974669e-03	0.0
	C27	1.704822e+01	3.877767e+01	1.226758e+00	0.0
	C28_32	1.078343e+01	1.471327e+01	1.067208e-01	0.0
	C29	1.660364e+01	4.056519e+01	1.352916e+01	0.0
	C30	9.906237e+00	2.518879e+01	3.215823e+01	0.0
	C31	1.656785e-01	2.842956e-01	3.444602e-02	0.0
	E37-39	2.181700e-01	3.591121e-01	1.924265e-01	0.0
	D35	5.096686e-03	8.712592e-03	7.021008e-07	0.0
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	F	1.323188e-01	1.340915e-01	1.349929e-06	0.0

	G45	4.233785e+00	3.533140e+00	6.010454e-04	0.0
	G47	7.157126e-01	1.140604e+00	1.706363e-01	0.0
	G46	8.601007e-01	1.836004e+00	2.218019e-01	0.0
	I	8.045756e+00	2.350249e+01	1.140169e-03	0.0
	H49	9.977961e+00	1.243330e+01	3.882591e-01	0.0
	H50	8.869792e-02	1.574866e-01	2.529747e-02	0.0
	H51	9.631178e+00	1.069165e+01	1.511778e+00	0.0
	H52	7.630883e+00	2.504469e+00	3.773741e-02	0.0
	H53	6.197768e+00	7.119926e+00	1.219178e-04	0.0
	K64	4.904745e+01	2.457620e+02	9.766113e-01	0.0
	K65	2.129577e-05	4.423586e-05	0.000000e+00	0.0
	K66	3.663642e-01	1.015942e+00	2.445729e-04	0.0
	L68	4.430322e-01	7.276446e-02	1.242322e-05	0.0
	M_N	5.139940e+01	4.296328e+01	2.627187e-04	0.0
	J62_63	2.897375e+01	2.639172e+01	3.924957e-04	0.0
	O84	2.406536e-01	4.715666e-01	2.795012e-04	0.0
	P85	3.819863e-08	5.389528e-09	4.496750e-11	0.0
	R_S	9.349228e-01	4.615585e+00	1.309076e-05	0.0
	T	9.482906e-07	3.950456e-07	1.650638e-07	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
JP	A01	2.168615e-01	2.527369e-01	7.935190e-04	0.0
	A02	1.050344e-07	1.040628e-06	7.069630e-09	0.0
	A03	1.920336e-03	2.630804e-07	3.403594e-08	0.0
	B_nongas	4.230290e-01	6.450328e-01	1.142889e-01	0.0
	B_gas	2.153857e-03	8.939867e-04	1.665767e-11	0.0
	C10-12	1.074629e+00	1.060776e+00	1.681981e-02	0.0
	C13-15	8.720505e-01	4.265419e+00	3.414940e-01	0.0
	C16	1.322859e-02	2.642591e-02	1.250612e-06	0.0
	C17	1.520354e+00	1.691061e+00	1.115789e-04	0.0
	C18	5.612323e-01	5.479296e-01	1.946562e-06	0.0
	C19	9.114434e-01	3.632539e-01	2.334172e-02	0.0
	C24	1.458623e+00	2.773651e+00	2.295435e-01	0.0
	C20-21	4.595131e-01	1.372223e+00	3.028557e-01	0.0
	C22	3.606577e+00	1.161561e+01	3.375255e-02	0.0
	C23	1.236013e+00	1.630037e-01	8.599080e-04	0.0
	C25_33	4.107633e-01	4.628290e-01	1.884178e-02	0.0
	C25	2.366009e+00	3.548209e+00	4.442521e-05	0.0
	C26	5.059165e-01	3.186956e-01	1.386351e-05	0.0
	C27	2.904744e+00	6.638451e+00	2.280963e-01	0.0
	C28_32	2.759427e+00	3.726763e+00	2.333905e-04	0.0
	C29	2.377823e+01	5.842842e+01	1.962697e+01	0.0
	C30	4.058270e-01	1.043605e+00	1.357515e+00	0.0
	C31	4.959399e-04	7.884784e-04	3.668709e-04	0.0
	E37-39	3.747224e-04	2.512958e-04	3.076166e-07	0.0
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	F	6.760901e-02	6.851478e-02	6.897532e-07	0.0
	G45	4.271955e-04	3.564993e-04	6.064641e-08	0.0

	G47	1.766599e-04	7.704733e-05	1.762337e-05	0.0
	G46	3.619459e-05	7.726235e-05	9.333825e-06	0.0
	I	6.700745e-02	1.958070e-01	9.498606e-06	0.0
	H49	4.962253e-04	4.027771e-04	2.801089e-05	0.0
	H50	4.662417e-02	1.028258e-01	2.043511e-02	0.0
	H51	4.953447e-03	5.498863e-03	7.775280e-04	0.0
	H52	1.905472e-04	5.434339e-05	9.584240e-10	0.0
	H53	3.174312e+00	6.244981e+00	1.391815e-04	0.0
	K64	1.004552e-03	5.033554e-03	2.000261e-05	0.0
	K65	1.268479e-07	2.634903e-07	0.000000e+00	0.0
	K66	1.008158e-04	2.795663e-04	6.730140e-08	0.0
	L68	2.308182e-05	3.789178e-06	6.467985e-10	0.0
	M_N	1.554579e-03	1.723628e-03	8.121245e-05	0.0
	J62_63	3.226118e+01	2.936614e+01	4.382534e-04	0.0
	O84	1.477385e-05	3.239429e-05	0.000000e+00	0.0
	P85	3.200825e-03	4.516114e-04	3.768017e-06	0.0
	R_S	1.022335e+00	1.480942e+01	6.076764e-05	0.0
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
CN	A01	2.028912e+01	2.602620e+01	2.253956e-01	0.0
	A02	4.337546e-06	4.297426e-05	2.919506e-07	0.0
	A03	4.430806e-03	6.070074e-07	7.853138e-08	0.0
	B_nongas	1.829756e+01	6.377151e+00	4.105240e-01	0.0
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	C10-12	8.046157e+00	8.643791e+00	2.578685e-01	0.0
	C13-15	3.424133e+01	1.397223e+02	8.353109e+00	0.0
	C16	2.473871e+00	4.941895e+00	2.338762e-04	0.0
	C17	3.501337e+01	3.898589e+01	1.714456e-02	0.0
	C18	1.442576e+01	1.408383e+01	5.003389e-05	0.0
	C19	4.939461e+01	4.132718e+00	2.165070e-01	0.0
	C24	1.042379e+01	1.737793e+01	1.153280e+00	0.0
	C20-21	2.967437e+00	8.929567e+00	1.948676e+00	0.0
	C22	2.466434e+01	7.943584e+01	2.308240e-01	0.0
	C23	3.334331e+01	6.948631e+00	2.599138e-02	0.0
	C25_33	1.736736e+01	1.956873e+01	7.966433e-01	0.0
	C25	1.385869e+01	2.078333e+01	2.602168e-04	0.0
	C26	2.747015e+01	1.730447e+01	7.527582e-04	0.0
	C27	6.264356e+01	1.480297e+02	3.281442e+00	0.0
	C28_32	5.369336e+00	7.251592e+00	4.541349e-04	0.0
	C29	9.588689e+00	2.356155e+01	7.914675e+00	0.0
	C30	2.921427e+00	7.512597e+00	9.772340e+00	0.0
	C31	2.267741e-02	3.605406e-02	1.677558e-02	0.0
	E37-39	5.122190e-04	3.449461e-04	4.263419e-07	0.0
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	F	2.293965e-01	2.324697e-01	2.340323e-06	0.0
	G45	2.445265e-01	2.040600e-01	3.471398e-05	0.0
	G47	4.172145e-02	6.677873e-02	9.981597e-03	0.0

	G46	4.972081e-02	1.061359e-01	1.282195e-02	0.0
	I	5.075656e-05	1.483191e-04	7.194970e-09	0.0
	H49	6.742672e-04	5.467546e-04	3.812639e-05	0.0
	H50	1.520811e-04	1.791614e-04	9.799307e-06	0.0
	H51	2.603076e-04	2.889697e-04	4.085971e-05	0.0
	H52	2.602683e-04	7.422759e-05	1.309110e-09	0.0
	H53	1.122974e-02	2.209282e-02	4.923813e-07	0.0
	K64	2.641454e-04	1.323566e-03	5.259655e-06	0.0
	K65	8.799680e-10	1.827882e-09	0.000000e+00	0.0
	K66	2.316152e-02	6.422780e-02	1.546188e-05	0.0
	L68	2.810260e-02	4.613404e-03	7.874906e-07	0.0
	M_N	7.579121e-01	5.184495e-01	3.891603e-06	0.0
	J62_63	7.721788e-01	7.028853e-01	1.048970e-05	0.0
	O84	1.260303e-10	2.763437e-10	0.000000e+00	0.0
	P85	6.014944e-08	8.486615e-09	7.080803e-11	0.0
	R_S	1.013317e-03	4.763955e-02	3.942745e-08	0.0
	T	4.657229e-05	1.940141e-05	8.106586e-06	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
CA	A01	9.194790e+00	1.254603e+01	2.145902e-01	0.0
	A02	3.272842e-03	5.201931e-03	7.173100e-07	0.0
	A03	5.555808e-03	3.126515e-03	4.332891e-05	0.0
	B_nongas	2.788497e+01	1.946213e+01	8.385227e-01	0.0
	B_gas	1.225964e-01	3.216580e-01	5.819308e-02	0.0
	C10-12	2.172508e+00	1.981753e+00	3.969722e-02	0.0
	C13-15	7.769894e-02	2.833824e-01	1.372065e-02	0.0
	C16	1.857598e-01	2.797276e-01	2.625710e-03	0.0
	C17	2.643897e+00	3.046111e+00	2.960122e-02	0.0
	C18	3.566177e-01	3.629403e-01	2.742962e-05	0.0
	C19	1.256331e-01	1.209517e-01	8.767278e-03	0.0
	C24	1.255537e+00	5.678502e-01	1.219442e-02	0.0
	C20-21	5.854311e-02	6.067025e-02	2.338410e-03	0.0
	C22	3.744665e-01	1.118743e+00	2.119510e-02	0.0
	C23	1.693953e-01	6.669427e-02	5.383733e-03	0.0
	C25_33	3.102904e-01	3.832968e-01	2.110451e-02	0.0
	C25	5.295305e-01	7.907070e-01	3.970556e-02	0.0
	C26	3.017396e-01	2.187676e-01	4.551851e-04	0.0
	C27	7.391801e-01	1.463049e+00	4.862291e-02	0.0
	C28_32	2.513766e-01	3.578602e-01	2.048517e-03	0.0
	C29	1.025141e+00	2.425752e+00	7.834825e-01	0.0
	C30	4.442506e-01	1.100320e+00	1.397992e+00	0.0
	C31	6.348725e-02	9.865588e-02	3.786050e-03	0.0
	E37-39	4.488814e-04	4.267049e-04	3.387882e-07	0.0
	D35	2.323892e-02	1.037467e-02	5.834473e-05	0.0
	E36	5.447370e-06	5.437384e-06	8.555798e-07	0.0
	F	2.187669e-01	2.973714e-02	3.057093e-07	0.0
	G45	1.126419e-01	9.572972e-02	1.143953e-04	0.0
	G47	6.229293e-02	7.071356e-02	5.529110e-03	0.0
	G46	2.171240e-01	3.332823e-01	9.958602e-03	0.0

	I	1.394870e-03	1.327167e-03	2.477185e-05	0.0
	H49	2.029319e-03	1.575377e-03	6.722039e-05	0.0
	H50	2.119159e-04	2.465765e-04	1.180999e-05	0.0
	H51	4.554685e-04	4.873670e-04	5.698157e-05	0.0
	H52	8.129944e-02	3.173300e-02	1.835570e-05	0.0
	H53	3.453633e-01	2.956588e-01	6.168542e-06	0.0
	K64	1.632581e-02	2.185223e-02	1.181563e-05	0.0
	K65	3.197064e-03	3.229014e-03	3.057611e-07	0.0
	K66	3.206534e-02	7.951013e-02	1.827548e-05	0.0
	L68	5.421647e-02	9.693189e-03	1.490261e-06	0.0
	M_N	4.695988e+00	2.577733e+00	3.535184e-04	0.0
	J62_63	1.169078e+00	1.064212e+00	4.706910e-05	0.0
	O84	3.682338e-02	2.120396e-02	2.549561e-05	0.0
	P85	1.914193e-02	8.885741e-03	1.459582e-07	0.0
	R_S	4.676493e-02	1.132524e-01	3.764046e-05	0.0
	T	1.448436e-05	6.036678e-06	2.520392e-06	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
KR	A01	1.292416e-01	1.515570e-01	4.458002e-04	0.0
	A02	1.259081e-08	1.247435e-07	8.474594e-10	0.0
	A03	6.851422e-04	9.386248e-08	1.214343e-08	0.0
	B_nongas	3.977157e-01	5.650934e-02	6.346266e-03	0.0
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	C10-12	1.566146e+00	2.172026e+00	4.513829e-02	0.0
	C13-15	1.077338e+00	5.208641e+00	4.089888e-01	0.0
	C16	3.323730e-03	6.639604e-03	3.142206e-07	0.0
	C17	5.043349e+00	5.621029e+00	4.407513e-03	0.0
	C18	5.510590e-01	5.379974e-01	1.911278e-06	0.0
	C19	1.411106e+01	6.144199e+00	3.330616e-01	0.0
	C24	3.305107e+00	5.649172e+00	2.673281e-01	0.0
	C20-21	1.233345e+00	3.659336e+00	8.058908e-01	0.0
	C22	2.840595e+00	9.148635e+00	2.658403e-02	0.0
	C23	4.089343e-01	4.918173e-02	2.819566e-04	0.0
	C25_33	4.755305e+00	5.358056e+00	2.181266e-01	0.0
	C25	2.291898e+00	3.437069e+00	4.303368e-05	0.0
	C26	7.155103e-01	4.507265e-01	1.960696e-05	0.0
	C27	6.885155e+00	1.575302e+01	5.346651e-01	0.0
	C28_32	9.169048e-01	1.238332e+00	7.755120e-05	0.0
	C29	8.237010e+00	2.024017e+01	6.798975e+00	0.0
	C30	5.289985e-01	1.360346e+00	1.769530e+00	0.0
	C31	2.785380e-04	4.428382e-04	2.060481e-04	0.0
	E37-39	7.359887e-05	6.471393e-05	2.776957e-07	0.0
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	F	8.688224e-04	8.804622e-04	8.863805e-09	0.0
	G45	3.868547e-02	3.228345e-02	5.491947e-06	0.0
	G47	8.494716e-03	1.365016e-02	2.038734e-03	0.0
	G46	1.022673e-02	2.183036e-02	2.637259e-03	0.0
	I	3.416889e-05	9.984719e-05	4.843593e-09	0.0

	H49	4.500288e-04	3.706713e-04	2.488765e-05	0.0
	H50	9.554235e-05	1.124053e-04	6.101742e-06	0.0
	H51	1.601554e-04	1.777898e-04	2.513912e-05	0.0
	H52	1.753973e-04	5.002268e-05	8.822220e-10	0.0
	H53	8.382530e-04	1.649137e-03	3.675420e-08	0.0
	K64	1.760077e-04	8.819301e-04	3.504661e-06	0.0
	K65	5.924829e-10	1.230714e-09	0.000000e+00	0.0
	K66	2.386941e-03	6.619081e-03	1.593445e-06	0.0
	L68	2.893121e-03	4.749431e-04	8.107099e-08	0.0
	M_N	1.637836e-01	1.708559e-01	5.161071e-07	0.0
	J62_63	5.740341e-04	5.225216e-04	7.797991e-09	0.0
	O84	8.486282e-11	1.860768e-10	0.000000e+00	0.0
	P85	2.875159e-08	4.056624e-09	3.384642e-11	0.0
	R_S	3.877602e-05	6.212073e-04	2.235283e-09	0.0
	T	3.145710e-05	1.310462e-05	5.475567e-06	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
BR	A01	6.634198e+01	7.390153e+01	1.083882e+00	0.0
	A02	3.972371e-01	3.555778e-01	1.540486e-03	0.0
	A03	2.747092e-01	3.933696e-01	1.087715e-02	0.0
	B_nongas	1.759074e+02	2.088193e+02	1.882877e-01	0.0
	B_gas	2.978479e-07	4.889557e-08	8.346290e-12	0.0
	C10-12	2.510693e+01	2.397103e+01	1.259986e-01	0.0
	C13-15	1.009993e-01	2.591109e-01	5.590102e-03	0.0
	C16	2.623183e-01	5.239470e-01	3.225886e-05	0.0
	C17	2.237414e+00	3.086407e+00	2.111077e-01	0.0
	C18	3.317598e-02	3.370322e-02	8.023265e-07	0.0
	C19	7.013179e-01	4.057197e-01	1.055072e-02	0.0
	C24	1.039259e+00	1.739981e+00	7.672116e-02	0.0
	C20-21	4.355997e-01	7.426617e-01	6.563870e-02	0.0
	C22	1.586950e-01	4.880353e-01	1.886389e-03	0.0
	C23	1.702714e-01	4.964636e-02	2.995728e-03	0.0
	C25_33	8.937524e-02	1.023702e-01	4.870426e-03	0.0
	C25	2.629346e-01	3.966520e-01	1.046739e-03	0.0
	C26	6.198287e-03	4.054390e-03	1.536161e-06	0.0
	C27	1.351137e-01	3.034656e-01	1.230717e-02	0.0
	C28_32	6.496562e-02	8.808492e-02	2.022775e-04	0.0
	C29	3.536404e-01	8.609896e-01	2.837085e-01	0.0
	C30	2.230608e-01	5.734939e-01	7.458090e-01	0.0
	C31	1.113436e-03	1.392929e-03	1.346405e-04	0.0
	E37-39	4.336230e-04	2.943057e-04	3.906322e-06	0.0
	D35	1.273716e-06	6.202244e-07	1.235092e-08	0.0
	E36	9.446067e-07	4.787687e-07	1.061760e-08	0.0
	F	2.416487e-02	2.445635e-02	2.472091e-07	0.0
	G45	5.506145e-02	5.097574e-02	9.757927e-05	0.0
	G47	6.112562e-02	7.049905e-02	1.772204e-03	0.0
	G46	7.210210e-02	9.086672e-02	2.362849e-03	0.0
	I	3.072816e-04	5.370251e-04	1.784636e-05	0.0
	H49	7.403968e-04	6.363781e-04	3.727267e-05	0.0

	H50	1.671825e-04	1.901251e-04	9.728918e-06	0.0
	H51	2.535156e-04	2.782617e-04	3.790678e-05	0.0
	H52	3.633915e-04	1.955624e-04	1.011876e-06	0.0
	H53	5.360753e-03	1.053497e-02	4.938739e-07	0.0
	K64	2.562917e-04	1.257202e-03	4.992456e-06	0.0
	K65	2.555752e-06	4.211583e-07	7.159381e-11	0.0
	K66	1.701218e-03	4.714313e-03	1.134886e-06	0.0
	L68	1.547958e-03	2.869171e-04	4.991871e-07	0.0
	M_N	2.648612e-01	2.493176e-01	5.434510e-06	0.0
	J62_63	7.993697e-04	7.248306e-04	1.091336e-08	0.0
	O84	2.560451e-02	2.524306e-02	7.927799e-05	0.0
	P85	4.889284e-04	3.718582e-04	1.490283e-07	0.0
	R_S	7.207313e-05	5.494196e-04	8.093455e-07	0.0
	T	4.490528e-05	1.870696e-05	7.816418e-06	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
IN	A01	4.184099e+01	5.043258e+01	3.409288e-01	0.0
	A02	1.841897e-05	1.824860e-04	1.239740e-06	0.0
	A03	3.692911e-02	5.059180e-06	6.545296e-07	0.0
	B_nongas	1.000253e+01	5.690531e+00	7.450582e-01	0.0
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	C10-12	7.736134e+01	2.668101e+01	4.043976e-01	0.0
	C13-15	7.141965e+00	3.131967e+01	1.997019e+00	0.0
	C16	1.232469e-01	2.558115e-01	6.719384e-03	0.0
	C17	1.282250e+01	1.431230e+01	9.522878e-03	0.0
	C18	5.888127e+00	6.057974e+00	1.787625e-03	0.0
	C19	1.031055e+02	1.084331e+02	8.247454e+00	0.0
	C24	2.017545e+01	2.973859e+01	4.768449e-01	0.0
	C20-21	4.057185e+00	6.585330e+00	5.877385e-01	0.0
	C22	3.591336e+00	1.098918e+01	1.938927e-01	0.0
	C23	6.966821e+00	2.691494e+00	4.984272e-01	0.0
	C25_33	3.893289e+00	4.832289e+00	3.032779e-01	0.0
	C25	2.477666e+00	3.874346e+00	7.696521e-02	0.0
	C26	3.256535e-01	2.055180e-01	1.769263e-05	0.0
	C27	1.096848e+01	2.319297e+01	6.986577e-01	0.0
	C28_32	7.373755e-01	1.063775e+00	1.279125e-02	0.0
	C29	4.066252e+00	9.430109e+00	3.164282e+00	0.0
	C30	1.337349e+00	3.340031e+00	3.961520e+00	0.0
	C31	6.134899e-01	1.103452e+00	1.264888e-01	0.0
	E37-39	3.289939e-04	6.325749e-04	7.452732e-05	0.0
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	F	3.662091e-01	3.711153e-01	3.736099e-06	0.0
	G45	2.658280e-01	2.218364e-01	3.773803e-05	0.0
	G47	4.520560e-02	7.136799e-02	1.069688e-02	0.0
	G46	5.680324e-02	1.212544e-01	1.464836e-02	0.0
	I	7.080299e-05	2.068982e-04	1.003664e-08	0.0
	H49	9.502241e-04	7.721623e-04	5.354629e-05	0.0
	H50	2.152550e-04	2.535899e-04	1.387195e-05	0.0

	H51	3.685018e-04	4.090769e-04	5.784264e-05	0.0
	H52	3.682858e-04	1.050338e-04	1.852423e-09	0.0
	H53	3.005240e-02	5.912358e-02	1.317683e-06	0.0
	K64	3.700628e-04	1.854291e-03	7.368681e-06	0.0
	K65	1.228124e-09	2.551077e-09	0.000000e+00	0.0
	K66	3.302832e-02	9.158883e-02	2.204864e-05	0.0
	L68	4.024177e-02	6.606204e-03	1.127654e-06	0.0
	M_N	1.427536e+01	5.999316e+00	9.394799e-05	0.0
	J62_63	9.522585e-01	8.668051e-01	1.293600e-05	0.0
	O84	1.767528e-10	3.875619e-10	0.000000e+00	0.0
	P85	9.977304e-07	1.407720e-07	1.174530e-09	0.0
	R_S	8.791330e-04	3.496059e-02	3.819270e-08	0.0
	T	6.244027e-05	2.601181e-05	1.086864e-05	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
MX	A01	9.906924e-01	1.188835e+00	8.441477e-03	0.0
	A02	8.193569e-08	8.117782e-07	5.514910e-09	0.0
	A03	5.086151e-04	3.898876e-06	8.789942e-08	0.0
	B_nongas	2.989333e-01	1.576916e-02	4.763918e-04	0.0
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	C10-12	7.794761e-01	1.232352e+00	3.263550e-02	0.0
	C13-15	5.940250e-02	2.251646e-01	2.284584e-02	0.0
	C16	1.529672e-03	2.452340e-03	4.135385e-05	0.0
	C17	8.725020e-02	1.077174e-01	1.119428e-03	0.0
	C18	1.580148e-01	1.554877e-01	1.362441e-05	0.0
	C19	6.609493e-03	7.982846e-03	4.040439e-04	0.0
	C24	2.988270e-01	5.023297e-01	2.709330e-02	0.0
	C20-21	8.229228e-02	1.325566e-01	1.976558e-02	0.0
	C22	1.948543e-01	5.699700e-01	9.356447e-03	0.0
	C23	8.902192e-02	1.887837e-02	5.890545e-04	0.0
	C25_33	1.354864e-01	1.699008e-01	9.085877e-03	0.0
	C25	1.748534e-01	2.678190e-01	5.347713e-03	0.0
	C26	5.936628e-01	4.069928e-01	3.333078e-03	0.0
	C27	1.107203e+00	2.521396e+00	6.344526e-02	0.0
	C28_32	6.304735e-01	8.651388e-01	2.609191e-03	0.0
	C29	1.407430e+00	3.349710e+00	1.044086e+00	0.0
	C30	1.543382e-01	3.924911e-01	4.961856e-01	0.0
	C31	1.146693e-01	1.840014e-01	8.174304e-03	0.0
	E37-39	1.110339e-03	1.213857e-03	1.959657e-05	0.0
	D35	2.590560e-05	3.883375e-05	4.864896e-10	0.0
	E36	1.144597e-04	1.716030e-04	2.148271e-09	0.0
	F	1.356369e-01	1.969448e-02	8.538500e-04	0.0
	G45	2.364298e-02	1.984968e-02	6.549668e-06	0.0
	G47	5.670334e-03	8.602954e-03	1.086689e-03	0.0
	G46	1.099750e-02	1.892252e-02	1.629716e-03	0.0
	I	3.251616e-04	4.668311e-04	5.773172e-07	0.0
	H49	1.882926e-03	2.151847e-03	5.608780e-05	0.0
	H50	2.213716e-04	2.612193e-04	1.441968e-05	0.0
	H51	5.032685e-04	6.063462e-04	6.003720e-05	0.0

	H52	3.844458e-04	1.124556e-04	5.988624e-09	0.0
	H53	5.265451e-03	9.803823e-03	2.143404e-07	0.0
	K64	3.871247e-04	1.939784e-03	7.708418e-06	0.0
	K65	1.283764e-09	2.666652e-09	0.000000e+00	0.0
	K66	3.676918e-04	1.019624e-03	2.454591e-07	0.0
	L68	4.056567e-04	1.399870e-04	1.395937e-07	0.0
	M_N	2.261768e-01	2.449569e-01	1.323449e-06	0.0
	J62_63	2.653713e-02	2.417237e-02	3.717346e-07	0.0
	O84	1.847371e-10	4.050688e-10	0.000000e+00	0.0
	P85	7.541928e-05	8.095341e-05	9.209438e-08	0.0
	R_S	1.678100e-03	2.575664e-03	1.111079e-06	0.0
	T	6.936567e-05	2.889684e-05	1.207410e-05	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
RU	A01	7.036779e+01	1.090247e+02	4.684573e+00	0.0
	A02	1.120314e-01	1.865036e-01	1.303608e-02	0.0
	A03	2.708483e-03	2.770330e-03	8.843327e-04	0.0
	B_nongas	2.137098e+01	3.951393e+01	4.598765e+00	0.0
	B_gas	1.067787e+00	6.648512e-01	3.091761e-02	0.0
	C10-12	1.622685e+01	5.666790e+00	1.585904e-01	0.0
	C13-15	7.257023e-02	1.891518e-01	1.331587e-02	0.0
	C16	1.839753e+00	3.670577e+00	1.396425e-03	0.0
	C17	5.670828e+00	6.444184e+00	4.980443e-02	0.0
	C18	1.124005e+01	1.097469e+01	2.893338e-04	0.0
	C19	1.782131e+01	1.167494e+01	6.580226e-01	0.0
	C24	5.882369e+00	9.184050e+00	3.945534e-01	0.0
	C20-21	8.571949e-01	8.226882e-01	8.777902e-02	0.0
	C22	1.648500e-01	4.167442e-01	4.305137e-03	0.0
	C23	2.182490e-01	8.990268e-02	1.914320e-03	0.0
	C25_33	4.037438e-01	5.158336e-01	3.413471e-02	0.0
	C25	2.142845e-01	3.217280e-01	8.801639e-03	0.0
	C26	2.183851e-01	1.377252e-01	2.387379e-05	0.0
	C27	4.598794e-01	1.062321e+00	2.545008e-02	0.0
	C28_32	4.543164e-01	6.098835e-01	2.423470e-04	0.0
	C29	1.912972e-01	4.474933e-01	1.463773e-01	0.0
	C30	1.999121e-01	4.544819e-01	5.437386e-01	0.0
	C31	2.494533e-02	2.265614e-02	1.115869e-03	0.0
	E37-39	9.700758e-02	1.096868e-01	4.701321e-03	0.0
	D35	1.065728e-01	2.218524e-01	5.255371e-02	0.0
	E36	6.058632e-04	9.223298e-04	2.499576e-06	0.0
	F	6.685786e-01	7.272116e-01	3.447268e-04	0.0
	G45	2.171741e-01	1.615645e-01	9.311185e-04	0.0
	G47	5.634332e-01	3.685281e-01	7.897750e-03	0.0
	G46	2.574014e+00	2.678957e+00	6.803909e-02	0.0
	I	1.549633e+00	4.565570e+00	3.859125e-04	0.0
	H49	1.517734e+00	1.858098e+00	1.026691e-02	0.0
	H50	3.067011e-01	5.960332e-01	1.053573e-01	0.0
	H51	1.482037e+01	1.646116e+01	2.327878e+00	0.0
	H52	2.529989e+00	2.502937e+00	3.204290e-03	0.0

	H53	7.741488e-01	1.209537e+00	2.330696e-04	0.0
	K64	1.820489e-01	9.114642e-01	3.621870e-03	0.0
	K65	3.188037e-04	5.585240e-05	8.646527e-09	0.0
	K66	4.181212e-01	1.158178e+00	2.787938e-04	0.0
	L68	1.517959e-02	3.655957e-03	3.225604e-05	0.0
	M_N	2.108877e+00	2.257458e+00	2.893985e-03	0.0
	J62_63	1.524877e+00	1.388038e+00	2.071476e-05	0.0
	O84	4.077273e-01	5.012509e-01	3.799748e-02	0.0
	P85	8.960141e-02	9.531623e-02	8.717801e-04	0.0
	R_S	1.701273e-01	4.777203e-01	2.385497e-04	0.0
	T	8.031366e-06	3.345763e-06	1.397976e-06	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
AU	A01	4.503369e+01	4.892666e+01	5.847399e-01	0.0
	A02	2.785758e-04	2.781029e-04	3.909588e-08	0.0
	A03	5.986614e-03	2.365067e-04	1.041641e-07	0.0
	B_nongas	2.805810e+01	3.251826e+00	4.530091e-01	0.0
	B_gas	1.585358e-02	1.635066e-02	9.106028e-08	0.0
	C10-12	2.104270e+01	6.973837e+00	8.198886e-02	0.0
	C13-15	1.008605e-01	4.216501e-01	2.319279e-02	0.0
	C16	2.644330e-02	3.835631e-02	4.138440e-06	0.0
	C17	1.474072e+00	1.639563e+00	1.273340e-04	0.0
	C18	3.069355e-01	3.060320e-01	1.069673e-06	0.0
	C19	6.789705e-03	7.685196e-03	4.493304e-04	0.0
	C24	2.121470e+00	2.249678e+00	3.874448e-02	0.0
	C20-21	2.035099e-02	5.500583e-02	9.571205e-03	0.0
	C22	3.120106e-01	1.002868e+00	2.911552e-03	0.0
	C23	9.093533e-02	1.587890e-02	5.336867e-05	0.0
	C25_33	1.256147e-01	1.408849e-01	5.537462e-03	0.0
	C25	1.902546e-01	2.845581e-01	3.549775e-06	0.0
	C26	8.712629e-02	5.505593e-02	2.378152e-06	0.0
	C27	2.911904e-01	6.697161e-01	1.981407e-02	0.0
	C28_32	7.405067e-02	9.965716e-02	6.183036e-06	0.0
	C29	3.952887e-01	9.668777e-01	3.238037e-01	0.0
	C30	3.550469e-02	8.945630e-02	1.147595e-01	0.0
	C31	5.957226e-04	6.514856e-04	7.192225e-05	0.0
	E37-39	3.157312e-03	2.905987e-03	2.471955e-06	0.0
	D35	2.961806e-02	2.945230e-02	3.141068e-07	0.0
	E36	9.607327e-04	9.773670e-04	8.942314e-09	0.0
	F	7.207686e-01	7.317413e-01	1.396037e-04	0.0
	G45	2.142308e+00	5.533229e-01	7.764632e-03	0.0
	G47	2.999777e+00	6.524965e-01	1.951224e-02	0.0
	G46	3.046700e+00	1.832772e+00	3.948751e-02	0.0
	I	1.992932e-03	2.005614e-03	4.033155e-08	0.0
	H49	1.857713e-02	1.718447e-02	8.078460e-05	0.0
	H50	5.559574e-04	5.884267e-04	1.969985e-05	0.0
	H51	8.753952e-03	1.699811e-02	1.715282e-02	0.0
	H52	1.891313e-02	1.685841e-02	2.501947e-07	0.0
	H53	5.120650e-01	5.082420e-01	8.098176e-06	0.0

	K64	7.988329e-03	1.061472e-02	1.121789e-05	0.0
	K65	5.284215e-02	4.819273e-02	7.227702e-07	0.0
	K66	3.776243e-02	4.220025e-02	3.089162e-06	0.0
	L68	9.155007e-03	4.901221e-03	1.904007e-07	0.0
	M_N	9.174629e-01	9.723399e-01	3.400710e-06	0.0
	J62_63	4.175959e+00	3.801766e+00	5.669584e-05	0.0
	O84	1.305747e-01	1.193755e-01	1.735697e-06	0.0
	P85	3.247754e-02	3.007904e-02	4.033730e-07	0.0
	R_S	1.492575e-02	2.552603e-02	1.737809e-07	0.0
	T	1.301305e-05	1.081552e-05	7.750419e-07	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
CH	A01	9.938033e-02	9.302676e-02	6.202810e-04	0.0
	A02	2.154436e-07	2.134508e-06	1.450103e-08	0.0
	A03	1.117249e-03	1.530599e-07	1.980207e-08	0.0
	B_nongas	1.103296e+00	2.896281e+00	5.297952e-01	0.0
	B_gas	1.753608e-05	1.534804e-06	1.207223e-08	0.0
	C10-12	2.944655e+00	4.448301e+00	1.320646e-01	0.0
	C13-15	2.014098e-01	7.468270e-01	4.161623e-02	0.0
	C16	4.188494e-02	8.349481e-02	1.153105e-05	0.0
	C17	3.935980e-01	4.396383e-01	6.835371e-04	0.0
	C18	4.502951e+00	4.396245e+00	1.878605e-05	0.0
	C19	1.940542e+00	1.168173e+00	4.899604e-02	0.0
	C24	6.432588e+00	9.318755e+00	2.458535e-02	0.0
	C20-21	8.922118e-02	2.463937e-01	4.275800e-02	0.0
	C22	3.355130e-01	1.075839e+00	3.221464e-03	0.0
	C23	6.098262e-01	1.785369e-01	1.881765e-02	0.0
	C25_33	5.263083e-01	5.968265e-01	2.398966e-02	0.0
	C25	5.186881e-01	7.770157e-01	1.111596e-04	0.0
	C26	2.138618e-01	1.381741e-01	2.586821e-05	0.0
	C27	1.480881e+00	3.345099e+00	1.141884e-01	0.0
	C28_32	4.908047e+00	6.629092e+00	4.443323e-04	0.0
	C29	3.297313e-02	8.089391e-02	2.712391e-02	0.0
	C30	6.308988e-02	1.620246e-01	2.105643e-01	0.0
	C31	3.209070e-02	4.623122e-02	2.631740e-03	0.0
	E37-39	2.690424e-03	3.064976e-03	1.604593e-05	0.0
	D35	1.116247e-03	1.349743e-03	1.256962e-05	0.0
	E36	1.106294e-03	1.338344e-03	1.249077e-05	0.0
	F	7.313759e-02	1.535063e-01	2.405769e-02	0.0
	G45	5.391035e-02	4.602483e-02	1.217721e-05	0.0
	G47	3.625416e-01	4.668851e-01	1.166380e-02	0.0
	G46	3.971725e-01	5.134215e-01	1.325065e-02	0.0
	I	4.476188e-03	5.157653e-03	4.102793e-05	0.0
	H49	1.142379e-02	2.090320e-02	2.063492e-02	0.0
	H50	3.211186e-03	6.064456e-03	5.927979e-03	0.0
	H51	4.370271e-03	7.924857e-03	7.456755e-03	0.0
	H52	1.067767e-02	1.932101e-02	2.034724e-02	0.0
	H53	2.753559e-01	2.984889e-01	1.180572e-05	0.0
	K64	5.557636e-03	5.927508e-03	1.120720e-05	0.0

	K65	2.119007e-03	1.465798e-03	3.784694e-08	0.0
	K66	2.393460e-02	5.411381e-02	1.230990e-05	0.0
	L68	1.784631e-02	3.468205e-03	1.602190e-06	0.0
	M_N	1.790439e+00	1.808066e+00	9.057405e-03	0.0
	J62_63	8.797688e+00	8.009943e+00	1.926031e-04	0.0
	O84	1.445551e-02	7.642919e-03	6.261311e-06	0.0
	P85	1.291810e-02	1.185054e-02	5.364521e-04	0.0
	R_S	7.311644e-03	1.125032e-02	2.055480e-04	0.0
	T	1.663233e-04	5.444484e-04	3.797418e-05	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
TR	A01	1.996273e+01	2.390028e+01	3.856077e-01	0.0
	A02	1.196247e-04	4.164570e-04	8.252725e-07	0.0
	A03	1.395822e-01	3.693887e-05	2.556600e-05	0.0
	B_nongas	1.991941e+01	6.831740e+00	2.334056e-01	0.0
	B_gas	5.266799e-06	9.220610e-06	4.990807e-07	0.0
	C10-12	3.681221e+01	3.997560e+01	1.245891e+00	0.0
	C13-15	1.068119e+01	4.578036e+01	3.028763e+00	0.0
	C16	8.244947e-01	1.629908e+00	1.674078e-02	0.0
	C17	2.486003e+01	2.781511e+01	4.492327e-02	0.0
	C18	2.818365e+00	2.816378e+00	5.788751e-04	0.0
	C19	7.805471e+00	1.060953e+01	6.335563e-01	0.0
	C24	7.563647e+00	1.099692e+01	3.033636e-02	0.0
	C20-21	2.479902e+00	4.936444e+00	5.654378e-01	0.0
	C22	7.879246e+00	2.467361e+01	1.037728e-01	0.0
	C23	7.740885e+00	2.059113e+00	8.135338e-02	0.0
	C25_33	4.926796e+00	7.247451e+00	4.335937e-01	0.0
	C25	2.424519e+00	3.867719e+00	1.050969e-01	0.0
	C26	9.652563e-02	6.458956e-02	8.234350e-05	0.0
	C27	4.534819e+00	1.012880e+01	3.880559e-01	0.0
	C28_32	4.221156e-01	5.723715e-01	7.754290e-04	0.0
	C29	2.150329e+00	5.181396e+00	1.567887e+00	0.0
	C30	2.093479e-01	5.276662e-01	6.105018e-01	0.0
	C31	1.891428e-01	3.743485e-01	1.836162e-02	0.0
	E37-39	1.989703e-03	3.538535e-03	1.145599e-03	0.0
	D35	1.008541e+00	2.271253e+00	9.008475e-02	0.0
	E36	4.291861e-02	6.413559e-02	3.364917e-05	0.0
	F	9.562304e-03	1.486439e-02	1.914614e-03	0.0
	G45	2.919347e-01	4.083119e-01	3.417581e-03	0.0
	G47	1.400945e-01	1.983219e-01	1.291809e-02	0.0
	G46	4.817017e-02	8.251771e-02	7.292929e-03	0.0
	I	7.905135e-01	2.305099e+00	5.371867e-04	0.0
	H49	1.930142e-03	2.822559e-03	7.155112e-04	0.0
	H50	6.680208e-04	8.108832e-04	1.737738e-04	0.0
	H51	2.473983e+00	2.755024e+00	4.071780e-01	0.0
	H52	2.182956e-03	2.460600e-03	4.098121e-04	0.0
	H53	4.294432e-01	7.887431e-01	1.722574e-05	0.0
	K64	4.355502e-02	4.134105e-02	4.486464e-03	0.0
	K65	2.852370e-04	2.656931e-04	2.864865e-05	0.0

	K66	1.083167e-02	2.757989e-02	2.825391e-05	0.0
	L68	1.440796e-02	2.398183e-03	6.543751e-06	0.0
	M_N	2.426911e-01	2.556686e-01	2.875980e-03	0.0
	J62_63	4.775143e-01	4.345916e-01	7.550298e-06	0.0
	O84	9.574549e-04	1.010952e-03	6.656011e-09	0.0
	P85	6.544962e-03	7.322046e-03	1.486880e-03	0.0
	R_S	7.916021e-02	5.825958e-02	6.168830e-04	0.0
	T	6.964168e-05	2.901182e-05	1.212215e-05	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
TW	A01	2.750287e+00	3.514985e+00	2.914364e-02	0.0
	A02	6.433545e-07	6.374038e-06	4.330277e-08	0.0
	A03	5.658139e-04	7.751485e-08	1.002846e-08	0.0
	B_nongas	2.487827e+00	9.047166e-01	6.379306e-02	0.0
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	C10-12	1.002737e+00	1.150122e+00	3.793141e-02	0.0
	C13-15	3.650977e+00	1.576512e+01	1.047211e+00	0.0
	C16	3.561233e-01	7.114049e-01	3.366738e-05	0.0
	C17	5.515111e+00	6.140554e+00	2.598796e-03	0.0
	C18	2.081326e+00	2.031992e+00	7.218811e-06	0.0
	C19	1.044024e+00	1.024620e+00	7.651488e-02	0.0
	C24	1.488022e+00	2.473499e+00	1.643472e-01	0.0
	C20-21	3.876685e-01	1.162753e+00	2.545861e-01	0.0
	C22	3.173487e+00	1.022077e+01	2.969943e-02	0.0
	C23	4.278823e+00	6.805675e-01	3.239786e-03	0.0
	C25_33	2.207786e+00	2.487631e+00	1.012715e-01	0.0
	C25	1.947905e+00	2.921196e+00	3.657472e-05	0.0
	C26	2.334439e+00	1.470550e+00	6.397007e-05	0.0
	C27	8.400313e+00	1.978970e+01	4.604396e-01	0.0
	C28_32	6.732296e-01	9.092347e-01	5.694131e-05	0.0
	C29	1.336694e+00	3.284555e+00	1.103331e+00	0.0
	C30	3.527688e-01	9.071629e-01	1.180032e+00	0.0
	C31	2.401441e-03	3.817970e-03	1.776463e-03	0.0
	E37-39	6.525278e-04	4.398544e-04	5.429884e-07	0.0
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	F	5.588335e-02	5.663204e-02	5.701271e-07	0.0
	G45	5.700508e-02	4.757136e-02	8.092674e-06	0.0
	G47	1.069470e-02	1.704969e-02	2.550485e-03	0.0
	G46	9.769377e-03	2.085408e-02	2.519317e-03	0.0
	I	6.448221e-05	1.884278e-04	9.140643e-09	0.0
	H49	8.490145e-04	6.988134e-04	4.697389e-05	0.0
	H50	1.928842e-04	2.244948e-04	1.143309e-05	0.0
	H51	3.272259e-04	3.632563e-04	5.136369e-05	0.0
	H52	3.312543e-04	9.447255e-05	1.666160e-09	0.0
	H53	2.997292e-03	5.896722e-03	1.314199e-07	0.0
	K64	3.362892e-04	1.685060e-03	6.696182e-06	0.0
	K65	1.116879e-09	2.319998e-09	0.000000e+00	0.0
	K66	6.114212e-03	1.695495e-02	4.081650e-06	0.0

	L68	7.344249e-03	1.205653e-03	2.058005e-07	0.0
	M_N	2.055700e-01	1.413987e-01	1.051695e-06	0.0
	J62_63	2.026442e-01	1.844594e-01	2.752830e-06	0.0
	O84	1.604278e-10	3.517665e-10	0.000000e+00	0.0
	P85	5.520985e-08	7.789678e-09	6.499315e-11	0.0
	R_S	3.104284e-04	1.281874e-02	1.315057e-08	0.0
	T	6.028969e-05	2.511590e-05	1.049430e-05	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
NO	A01	2.528443e-02	2.930760e-02	6.469355e-05	0.0
	A02	8.199498e-04	9.420549e-04	2.919068e-06	0.0
	A03	2.214190e-01	4.845621e-03	3.844454e-05	0.0
	B_nongas	3.452606e+00	4.341424e-01	6.182092e-03	0.0
	B_gas	8.969785e+01	3.751761e+01	8.889337e-03	0.0
	C10-12	1.212775e+00	9.987913e-01	7.140044e-03	0.0
	C13-15	1.409541e-02	6.067004e-02	4.112951e-03	0.0
	C16	4.049781e-02	8.052858e-02	1.509432e-05	0.0
	C17	4.194893e-01	4.750608e-01	2.320431e-03	0.0
	C18	5.461562e-02	5.544076e-02	1.152166e-04	0.0
	C19	4.310818e+00	2.399916e+00	1.099726e-01	0.0
	C24	2.299512e-01	2.289227e-01	4.880699e-03	0.0
	C20-21	6.616040e-02	1.367858e-01	2.112587e-02	0.0
	C22	1.753548e-01	5.581435e-01	2.090367e-03	0.0
	C23	9.170303e-02	2.800350e-02	3.667246e-04	0.0
	C25_33	1.066247e-01	1.369492e-01	5.512477e-03	0.0
	C25	6.342726e-01	1.138932e+00	2.509531e-02	0.0
	C26	2.621453e-02	1.650787e-02	8.123694e-07	0.0
	C27	2.259469e-01	5.095819e-01	1.798372e-02	0.0
	C28_32	1.464957e-01	1.983412e-01	2.634215e-03	0.0
	C29	3.001254e-02	7.142457e-02	2.535515e-02	0.0
	C30	1.380303e-01	3.312039e-01	2.810308e-01	0.0
	C31	2.680129e-03	3.622573e-03	7.860987e-04	0.0
	E37-39	1.182795e-03	7.936809e-04	1.025792e-06	0.0
	D35	5.964653e-03	8.092855e-03	1.467008e-04	0.0
	E36	5.701980e-08	5.657288e-08	1.876206e-09	0.0
	F	1.655008e-02	3.025093e-02	7.685601e-04	0.0
	G45	8.665752e-04	7.482852e-04	2.072112e-07	0.0
	G47	1.405707e-02	2.577526e-02	6.952193e-04	0.0
	G46	8.331477e-02	1.581967e-01	3.992834e-03	0.0
	I	1.269806e-04	3.495010e-04	2.261689e-08	0.0
	H49	6.235053e-03	7.899308e-03	2.296003e-04	0.0
	H50	2.441248e-03	2.666169e-03	2.108904e-05	0.0
	H51	1.079469e-02	1.872967e-02	5.127638e-04	0.0
	H52	1.378964e-03	8.732963e-04	1.284017e-06	0.0
	H53	7.941840e-03	1.488716e-02	3.284251e-07	0.0
	K64	6.038605e-04	3.025792e-03	1.202406e-05	0.0
	K65	6.955490e-05	2.032813e-04	1.359079e-07	0.0
	K66	4.709861e-03	1.306063e-02	3.144151e-06	0.0
	L68	5.601285e-03	9.650763e-04	2.603384e-07	0.0

ID	M_N	7.160360e-02	8.067549e-02	4.247284e-04	0.0
	J62_63	5.216620e-03	4.769790e-03	1.569912e-07	0.0
	O84	5.154181e-05	5.590745e-05	1.542583e-10	0.0
	P85	1.140307e-07	3.833667e-08	1.044735e-10	0.0
	R_S	2.292917e-04	1.558831e-03	8.203505e-08	0.0
	T	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	A01	5.541094e+00	6.876804e+00	3.486525e-02	0.0
	A02	4.648148e-06	4.605154e-05	3.128565e-07	0.0
	A03	8.434662e-03	1.155524e-06	1.494955e-07	0.0
	B_nongas	2.065798e-01	2.175793e-01	2.488247e-02	0.0
	B_gas	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	C10-12	1.922464e+01	6.090543e+00	1.129203e-01	0.0
	C13-15	1.386704e+00	5.951838e+00	3.959230e-01	0.0
	C16	3.971389e-01	7.933390e-01	3.754493e-05	0.0
	C17	1.191831e+01	1.411283e+01	3.039680e-01	0.0
	C18	1.661553e+00	1.622170e+00	5.762884e-06	0.0
	C19	1.501136e-01	1.568090e-02	4.712016e-05	0.0
	C24	2.020104e-01	3.545917e-01	2.623661e-02	0.0
	C20-21	3.079755e-02	9.403251e-02	1.393122e-02	0.0
	C22	9.121534e-01	2.937750e+00	8.536489e-03	0.0
	C23	2.468400e-01	5.554600e-02	1.918187e-04	0.0
	C25_33	1.139770e-01	1.284240e-01	5.228143e-03	0.0
	C25	1.342757e-01	2.013679e-01	2.521218e-06	0.0
	C26	3.361719e-01	2.117672e-01	9.212039e-06	0.0
	C27	4.814704e-01	1.110406e+00	3.442086e-02	0.0
	C28_32	3.893379e-02	5.258229e-02	3.292994e-06	0.0
	C29	1.969061e+00	4.838423e+00	1.625298e+00	0.0
	C30	2.097534e-01	5.393914e-01	7.016371e-01	0.0
	C31	7.157214e-04	1.137902e-03	5.294539e-04	0.0
	E37-39	8.126305e-07	5.813947e-07	3.406641e-07	0.0
	D35	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	E36	0.000000e+00	0.000000e+00	0.000000e+00	0.0
	F	3.546228e-05	3.593737e-05	3.617894e-10	0.0
	G45	7.156369e-03	5.972068e-03	1.015947e-06	0.0
	G47	1.307209e-03	1.926162e-03	2.928407e-04	0.0
	G46	1.438939e-03	3.071615e-03	3.710722e-04	0.0
	I	4.469446e-05	1.306047e-04	6.335639e-09	0.0
	H49	5.970877e-04	4.867231e-04	3.349924e-05	0.0
	H50	1.345673e-04	1.581542e-04	8.534439e-06	0.0
	H51	2.303774e-04	2.557439e-04	3.616165e-05	0.0
	H52	2.301944e-04	6.565064e-05	1.157844e-09	0.0
	H53	2.584160e-04	5.083946e-04	1.133056e-08	0.0
	K64	2.334034e-04	1.169526e-03	4.647523e-06	0.0
	K65	7.794420e-10	1.619068e-09	0.000000e+00	0.0
	K66	1.286895e-04	3.568609e-04	8.590892e-08	0.0
	L68	3.610937e-05	5.927817e-06	1.011856e-09	0.0
	M_N	2.609174e-02	2.796632e-02	7.882952e-08	0.0

	J62_63	7.551035e-04	6.873422e-04	1.025774e-08	0.0
	O84	1.112865e-10	2.440154e-10	0.000000e+00	0.0
	P85	3.501314e-08	4.940081e-09	4.121754e-11	0.0
	R_S	4.440154e-05	5.114799e-04	2.679956e-09	0.0
	T	4.003093e-05	1.667637e-05	6.967966e-06	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
ZA	A01	5.982234e+00	7.815505e+00	7.788714e-02	0.0
	A02	6.162903e-06	6.105899e-05	4.148113e-07	0.0
	A03	3.018416e-04	4.135142e-08	5.349826e-09	0.0
	B_nongas	3.985869e+01	2.792524e+01	3.620767e+00	0.0
	B_gas	1.686278e-02	1.906150e-02	1.782040e-08	0.0
	C10-12	2.081456e+00	2.510615e+00	5.583226e-02	0.0
	C13-15	5.663537e-02	1.742168e-01	9.994094e-03	0.0
	C16	6.610420e-03	1.214372e-02	2.901547e-04	0.0
	C17	2.016611e-01	2.873659e-01	2.272849e-02	0.0
	C18	2.044714e-01	2.132600e-01	1.003417e-03	0.0
	C19	1.192861e-01	1.232411e-01	6.725424e-03	0.0
	C24	2.834311e+00	4.175823e+00	2.242858e-02	0.0
	C20-21	5.905545e-02	1.054132e-01	1.240178e-02	0.0
	C22	9.821554e-02	3.108456e-01	2.030106e-03	0.0
	C23	6.626425e-02	3.122468e-02	2.475718e-04	0.0
	C25_33	1.447027e-01	1.874477e-01	1.328622e-02	0.0
	C25	1.179439e-01	1.927853e-01	5.541559e-03	0.0
	C26	9.557640e-02	6.091862e-02	2.692156e-05	0.0
	C27	2.301274e-01	4.937974e-01	1.114263e-02	0.0
	C28_32	6.498964e-02	8.850910e-02	2.685746e-05	0.0
	C29	2.812051e-01	6.730064e-01	2.131475e-01	0.0
	C30	9.180848e-03	1.882213e-02	1.816721e-02	0.0
	C31	3.337277e-02	4.521723e-02	4.088281e-03	0.0
	E37-39	2.442472e-02	3.919512e-02	8.049726e-05	0.0
	D35	4.633343e-07	7.607836e-08	1.345012e-11	0.0
	E36	7.063185e-09	1.228768e-09	2.213426e-12	0.0
	F	4.148465e-03	4.204045e-03	4.242128e-08	0.0
	G45	1.995754e-02	1.668970e-02	2.943536e-06	0.0
	G47	6.032355e-03	8.126798e-03	8.760257e-04	0.0
	G46	1.448783e-02	1.914311e-02	1.137374e-03	0.0
	I	6.761119e-05	1.917847e-04	1.050304e-08	0.0
	H49	2.304762e-02	5.520742e-02	1.836318e-02	0.0
	H50	8.491520e-05	1.093904e-04	8.876349e-06	0.0
	H51	7.501352e-04	1.458265e-03	1.482578e-03	0.0
	H52	5.079129e-04	2.519377e-04	5.986888e-06	0.0
	H53	1.362161e-02	2.679703e-02	5.972432e-07	0.0
	K64	3.734580e-04	1.683113e-03	6.664200e-06	0.0
	K65	4.005249e-05	6.577420e-06	1.122317e-09	0.0
	K66	1.074372e-03	2.979275e-03	7.172158e-07	0.0
	L68	6.735273e-03	5.586966e-03	9.477666e-08	0.0
	M_N	1.848471e-01	1.579039e-01	8.165412e-07	0.0
	J62_63	1.071888e-01	9.756913e-02	1.459303e-06	0.0

	084	1.308974e-10	2.870159e-10	0.000000e+00	0.0
	P85	4.429384e-07	1.538496e-06	3.935146e-09	0.0
	R_S	4.084182e-05	6.149452e-04	2.343975e-09	0.0
	T	3.615556e-02	3.475327e-02	2.753636e-03	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
WA	A01	1.043563e+02	1.292128e+02	1.940157e+00	0.0
	A02	3.409987e-01	3.634802e-01	2.734208e-02	0.0
	A03	1.327815e+00	7.504999e-01	1.010368e-02	0.0
	B_nongas	2.904255e+01	4.290610e+00	3.474575e-01	0.0
	B_gas	2.315102e+00	1.931718e+00	1.833574e-01	0.0
	C10-12	4.367775e+01	2.988196e+01	5.490805e-01	0.0
	C13-15	3.035739e+00	1.396112e+01	1.079986e+00	0.0
	C16	8.587287e-01	1.635938e+00	9.132869e-03	0.0
	C17	5.035461e+00	5.851247e+00	6.885894e-02	0.0
	C18	9.627078e+00	9.435107e+00	5.470430e-03	0.0
	C19	1.597899e+01	9.217820e+00	6.639024e-01	0.0
	C24	1.439454e+01	2.060977e+01	5.475014e-01	0.0
	C20-21	7.953284e-02	1.264427e-01	7.219588e-03	0.0
	C22	9.121938e+00	2.921985e+01	1.279798e-01	0.0
	C23	3.274603e+00	1.355668e+00	9.525498e-02	0.0
	C25_33	4.537721e+00	5.324840e+00	2.591644e-01	0.0
	C25	4.686898e+00	7.053203e+00	1.325150e-01	0.0
	C26	8.469847e+00	5.462578e+00	2.891681e-03	0.0
	C27	1.222334e+01	2.793015e+01	6.722715e-01	0.0
	C28_32	5.945095e-01	7.955867e-01	1.186743e-02	0.0
	C29	1.139539e+01	2.782434e+01	9.265841e+00	0.0
	C30	1.968514e+00	4.874338e+00	6.050016e+00	0.0
	C31	2.391770e-01	4.037042e-01	3.459474e-02	0.0
	E37-39	6.238083e-01	7.428725e-01	6.095462e-02	0.0
	D35	9.669534e-01	8.563657e-01	1.043554e-01	0.0
	E36	4.580549e-02	8.630205e-02	1.070888e-02	0.0
	F	1.476832e+00	1.539285e+00	2.872848e-02	0.0
	G45	4.792605e+00	4.039073e+00	1.306761e-01	0.0
	G47	4.223407e+00	3.424247e+00	2.633149e-01	0.0
	G46	7.472499e+00	8.745888e+00	5.767802e-01	0.0
	I	2.222129e+00	4.708405e+00	4.164466e-02	0.0
	H49	9.081357e+00	1.194544e+01	3.775831e-01	0.0
	H50	4.836508e-01	5.040603e-01	8.620049e-02	0.0
	H51	2.648775e+00	2.950640e+00	4.893586e-01	0.0
	H52	1.148643e+01	3.642554e+00	6.814782e-02	0.0
	H53	1.960762e+00	3.548722e+00	1.096647e-03	0.0
	K64	8.037830e+00	3.985466e+01	1.581915e-01	0.0
	K65	3.210609e-02	3.600685e-02	3.153347e-04	0.0
	K66	8.501784e-01	2.504706e+00	3.263460e-03	0.0
	L68	1.143360e+00	2.406421e-01	4.733662e-03	0.0
	M_N	1.174650e+01	9.536059e+00	3.937042e-02	0.0
	J62_63	1.092413e+01	9.947673e+00	1.301985e-03	0.0
	084	4.277601e-01	4.411178e-01	1.573610e-02	0.0

	P85	2.506259e-01	2.465315e-01	1.769084e-02	0.0
	R_S	8.566841e-01	5.127003e+00	8.476263e-03	0.0
	T	6.248610e+00	3.614178e+00	1.041523e+00	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
WL	A01	7.642965e+01	9.365527e+01	1.665879e+00	0.0
	A02	5.993543e-02	2.405530e-02	3.444137e-04	0.0
	A03	8.615129e-02	3.983631e-02	6.164548e-04	0.0
	B_nongas	6.953145e+00	1.223719e+01	1.154333e+00	0.0
	B_gas	1.186684e+01	4.996677e+00	3.243056e-03	0.0
	C10-12	3.142175e+01	9.103973e+00	8.355022e-02	0.0
	C13-15	3.586086e-01	7.102588e-01	2.656713e-02	0.0
	C16	4.297759e-01	7.702945e-01	8.516962e-04	0.0
	C17	5.831342e-01	7.412019e-01	3.993005e-02	0.0
	C18	1.261138e-01	1.328567e-01	1.150284e-03	0.0
	C19	1.504895e+00	1.284142e+00	6.035196e-02	0.0
	C24	1.648949e+01	2.427083e+01	1.212016e-01	0.0
	C20-21	1.395918e-01	1.510860e-01	3.348847e-03	0.0
	C22	2.298666e-01	4.855175e-01	2.592177e-03	0.0
	C23	4.337760e-01	4.127725e-01	1.474341e-03	0.0
	C25_33	4.431605e-01	6.104313e-01	5.544907e-03	0.0
	C25	2.637458e-01	3.478144e-01	1.851862e-03	0.0
	C26	1.077096e-01	1.100115e-01	6.997603e-04	0.0
	C27	4.745380e-01	7.922388e-01	2.094209e-02	0.0
	C28_32	3.985759e-01	5.091710e-01	1.334234e-03	0.0
	C29	1.677530e-01	2.299909e-01	2.691251e-02	0.0
	C30	4.105486e-01	8.512948e-01	9.084841e-01	0.0
	C31	1.187555e-01	1.323022e-01	9.385542e-04	0.0
	E37-39	2.390305e-01	2.411890e-01	1.628764e-03	0.0
	D35	1.279873e-01	9.442619e-02	1.125534e-03	0.0
	E36	4.342993e-03	6.167137e-03	2.488009e-05	0.0
	F	1.718608e-01	2.006359e-01	7.962482e-04	0.0
	G45	3.181323e-01	2.886962e-01	6.243697e-04	0.0
	G47	4.573963e-01	4.370397e-01	1.050906e-02	0.0
	G46	4.590004e-01	5.257324e-01	1.298628e-02	0.0
	I	6.996424e-02	2.576840e-02	2.979716e-04	0.0
	H49	9.249864e-02	1.284508e-01	8.914428e-04	0.0
	H50	6.620362e-04	7.179275e-04	2.561602e-05	0.0
	H51	9.101344e-02	1.329523e-01	1.794726e-03	0.0
	H52	4.703684e-02	1.440417e-02	3.057711e-05	0.0
	H53	5.923004e-02	8.575980e-02	3.896934e-05	0.0
	K64	1.800092e-03	4.288099e-03	1.210040e-05	0.0
	K65	3.477528e-04	3.296624e-04	1.004504e-08	0.0
	K66	1.753848e-02	1.400463e-02	6.291201e-06	0.0
	L68	3.667350e-02	9.138000e-03	3.865757e-05	0.0
	M_N	6.095846e-01	6.066214e-01	9.510233e-04	0.0
	J62_63	2.840500e-01	2.644634e-01	1.719146e-04	0.0
	O84	1.072596e-01	1.254306e-01	5.948584e-04	0.0
	P85	3.286966e-02	7.996469e-03	5.628460e-05	0.0

	R_S	8.988575e-02	5.572612e-02	3.518611e-04	0.0
	T	8.513668e-03	8.667781e-03	6.149154e-05	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
WE	A01	4.806548e+01	6.211108e+01	1.603327e+00	0.0
	A02	1.697756e-02	8.223775e-03	1.706517e-06	0.0
	A03	4.337331e-03	1.583933e-03	8.257357e-06	0.0
	B_nongas	1.638524e+01	1.003512e+00	4.951326e-03	0.0
	B_gas	3.473739e-02	1.372348e-02	7.336491e-04	0.0
	C10-12	7.323332e+00	5.083979e+00	7.706011e-02	0.0
	C13-15	1.120526e-01	4.268019e-01	2.158245e-02	0.0
	C16	2.145116e-01	3.960232e-01	2.259573e-04	0.0
	C17	1.185237e+00	1.284706e+00	4.033518e-04	0.0
	C18	4.195915e-01	4.049520e-01	1.403868e-03	0.0
	C19	1.013775e+00	6.163927e-01	4.295479e-02	0.0
	C24	1.816265e+00	3.330344e+00	2.739285e-01	0.0
	C20-21	5.938858e-01	1.698689e-01	1.046961e-02	0.0
	C22	3.876905e-01	1.128402e+00	4.104295e-03	0.0
	C23	3.842360e-01	6.424969e-02	7.470052e-04	0.0
	C25_33	2.413639e-01	3.185688e-01	1.989358e-02	0.0
	C25	3.444023e-01	4.393973e-01	4.608858e-03	0.0
	C26	2.064210e-02	1.575361e-02	1.854700e-04	0.0
	C27	2.716313e-01	5.170771e-01	1.742889e-02	0.0
	C28_32	2.070416e-01	2.579660e-01	6.601579e-04	0.0
	C29	1.974886e-01	3.611820e-01	1.069675e-01	0.0
	C30	1.109959e-01	2.070193e-01	2.469210e-01	0.0
	C31	5.184725e-02	2.384867e-02	2.385120e-03	0.0
	E37-39	1.487618e-01	5.758165e-02	1.382561e-03	0.0
	D35	3.361948e-01	1.055398e-01	1.611340e-03	0.0
	E36	2.644979e-02	7.194116e-03	2.254576e-04	0.0
	F	2.630924e-01	1.774644e-01	6.501455e-04	0.0
	G45	3.364396e-01	2.552673e-01	4.854813e-04	0.0
	G47	8.374513e-01	2.306405e-01	1.961985e-02	0.0
	G46	2.081787e-01	2.398518e-01	2.187586e-02	0.0
	I	2.939307e-01	7.856800e-01	1.480197e-03	0.0
	H49	6.037250e-01	5.700931e-01	8.817659e-03	0.0
	H50	6.713091e-02	6.363041e-02	8.928519e-03	0.0
	H51	1.417346e+00	1.571682e+00	2.219140e-01	0.0
	H52	4.245373e-01	1.546821e-01	4.094318e-03	0.0
	H53	2.954496e-01	4.466512e-01	6.249235e-05	0.0
	K64	3.758397e-01	1.858170e+00	7.344154e-03	0.0
	K65	2.237801e-03	2.413545e-03	1.908159e-06	0.0
	K66	4.364231e-02	1.348727e-01	1.661584e-04	0.0
	L68	5.624513e-02	1.075277e-02	1.262612e-05	0.0
	M_N	1.115495e+00	7.731140e-01	1.956636e-03	0.0
	J62_63	1.112258e+00	1.012495e+00	5.095723e-05	0.0
	O84	2.274137e-02	1.827241e-02	1.511113e-03	0.0
	P85	2.626300e-02	1.267114e-02	4.548724e-04	0.0
	R_S	3.997782e-02	3.135579e-01	8.092327e-04	0.0

	T	4.158466e-01	1.708646e-01	7.032705e-02	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
WF	A01	3.718367e+02	4.057581e+02	2.090936e+00	0.0
	A02	6.446229e-02	9.353580e-02	7.469011e-04	0.0
	A03	5.642971e-01	2.457178e-01	6.726509e-03	0.0
	B_nongas	2.390937e+01	2.652919e+01	4.333187e+00	0.0
	B_gas	9.967500e+01	4.200442e+01	1.438514e-01	0.0
	C10-12	1.511153e+01	7.018198e+00	1.204052e-01	0.0
	C13-15	5.060799e-01	1.835673e+00	9.929130e-02	0.0
	C16	2.416918e-01	4.594822e-01	5.986294e-04	0.0
	C17	1.606014e+00	1.822604e+00	1.006228e-02	0.0
	C18	2.769507e-01	2.868895e-01	1.859912e-04	0.0
	C19	4.356137e+00	1.595472e+00	7.937013e-02	0.0
	C24	1.365837e+01	1.972185e+01	7.011582e-02	0.0
	C20-21	1.582696e-01	2.203541e-01	2.018141e-02	0.0
	C22	2.850644e-01	4.907870e-01	8.273047e-03	0.0
	C23	5.852483e-01	3.571340e-01	2.709653e-03	0.0
	C25_33	1.617442e+00	1.884208e+00	7.100706e-02	0.0
	C25	2.142819e-01	3.096199e-01	8.575926e-03	0.0
	C26	6.904655e-02	7.778289e-02	5.220078e-04	0.0
	C27	9.158755e-01	1.978691e+00	5.330355e-02	0.0
	C28_32	1.442080e-01	1.987819e-01	1.598089e-03	0.0
	C29	7.007296e-01	1.637442e+00	5.202897e-01	0.0
	C30	2.532127e-01	5.651825e-01	6.235858e-01	0.0
	C31	5.164198e-02	7.479122e-02	2.848695e-03	0.0
	E37-39	2.273518e-01	2.158390e-01	2.773820e-03	0.0
	D35	1.532052e-01	1.179012e-01	2.453718e-03	0.0
	E36	7.892841e-03	1.112985e-02	3.691552e-05	0.0
	F	7.946863e-01	8.537669e-01	3.863388e-03	0.0
	G45	5.495593e-01	4.702059e-01	2.861666e-03	0.0
	G47	9.009284e-01	5.787338e-01	2.249494e-02	0.0
	G46	1.031837e+00	1.244226e+00	3.605381e-02	0.0
	I	1.625165e-02	1.562579e-02	1.747174e-04	0.0
	H49	2.024521e-01	2.201746e-01	6.231124e-03	0.0
	H50	2.117474e-02	4.228308e-03	6.734542e-04	0.0
	H51	1.170682e-01	1.626158e-01	1.085760e-02	0.0
	H52	3.058279e-02	2.371452e-02	3.312301e-03	0.0
	H53	4.340343e-01	8.101590e-01	2.147117e-04	0.0
	K64	3.605416e-03	8.905797e-03	1.709209e-05	0.0
	K65	7.749965e-04	7.404113e-04	2.273857e-08	0.0
	K66	2.488704e-02	6.805166e-02	1.661661e-05	0.0
	L68	3.032735e-02	5.768540e-03	9.308462e-07	0.0
	M_N	1.474180e+00	1.415390e+00	3.692450e-04	0.0
	J62_63	8.843763e-02	8.462961e-02	2.489996e-05	0.0
	O84	6.355615e-02	8.013639e-02	7.650011e-04	0.0
	P85	2.481681e-03	2.424224e-03	2.410183e-06	0.0
	R_S	2.941192e-02	3.982500e-02	2.031288e-05	0.0
	T	3.952544e-02	1.725959e-02	1.134059e-04	0.0

	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0
WM	A01	4.535335e+02	8.792695e+02	1.072348e+02	0.0
	A02	1.317955e+01	6.936204e+00	3.405460e-02	0.0
	A03	1.862874e+01	4.183037e+01	2.693178e+00	0.0
	B_nongas	4.142236e+02	8.028176e+02	8.982652e+01	0.0
	B_gas	1.228640e+02	1.616661e+02	5.110951e+00	0.0
	C10-12	8.157690e+02	8.433788e+02	1.642894e+01	0.0
	C13-15	8.020614e+01	2.678876e+02	1.683532e+01	0.0
	C16	4.676886e+01	1.157429e+02	2.575159e+00	0.0
	C17	2.294508e+02	3.755900e+02	2.005905e+01	0.0
	C18	1.158511e+03	1.164438e+03	2.458690e+00	0.0
	C19	3.523670e+02	3.770769e+02	2.755658e+00	0.0
	C24	1.190892e+02	1.719173e+02	6.162269e+00	0.0
	C20-21	1.267773e+02	1.708721e+02	5.804086e+00	0.0
	C22	7.713649e+01	1.299711e+02	1.716760e+01	0.0
	C23	1.370598e+02	1.227361e+02	6.177130e+00	0.0
	C25_33	1.657153e+02	2.774299e+02	1.805049e+01	0.0
	C25	2.086982e+02	2.811237e+02	3.297013e+00	0.0
	C26	9.584805e+01	4.899082e+01	2.046315e-01	0.0
	C27	1.797887e+02	4.072105e+02	1.773068e+01	0.0
	C28_32	5.928936e+01	7.822313e+01	4.061064e-01	0.0
	C29	1.030474e+02	2.125100e+02	6.959450e+01	0.0
	C30	4.521235e+01	9.476792e+01	8.740299e+01	0.0
	C31	1.704806e+02	8.807313e+01	5.031982e-01	0.0
	E37-39	2.338191e+02	1.915640e+02	8.179022e+00	0.0
	D35	2.854502e+03	1.897046e+03	4.205191e+01	0.0
	E36	3.633045e+02	2.803988e+02	1.391008e+00	0.0
	F	7.566822e+02	5.714707e+02	2.415298e+01	0.0
	G45	5.555717e+02	1.137386e+03	1.277355e+02	0.0
	G47	1.229883e+03	2.227590e+03	1.877588e+02	0.0
	G46	1.445160e+03	2.843464e+03	2.795233e+02	0.0
	I	8.940621e+02	2.403406e+03	1.411446e+01	0.0
	H49	2.339643e+03	2.299869e+03	1.267092e+02	0.0
	H50	1.117550e+02	2.006171e+02	3.847092e+01	0.0
	H51	2.144177e+02	7.618934e+02	9.229756e+00	0.0
	H52	6.209476e+02	1.237138e+03	3.424343e+01	0.0
	H53	1.221889e+03	2.692967e+03	7.069151e+01	0.0
	K64	6.147162e+02	2.995795e+03	3.040306e+01	0.0
	K65	2.657735e+02	3.704433e+02	1.604257e-01	0.0
	K66	1.482851e+02	5.511560e+02	2.655458e+01	0.0
	L68	1.837986e+03	2.074528e+03	1.412025e+01	0.0
	M_N	3.802613e+03	7.945299e+03	5.550459e+01	0.0
	J62_63	5.444578e+02	5.507856e+02	6.338929e+00	0.0
	O84	4.800568e+02	8.461211e+02	3.915777e+00	0.0
	P85	8.469950e+02	9.333965e+01	3.850378e-02	0.0
	R_S	6.382755e+02	4.773686e+03	4.720666e+00	0.0
	T	1.947535e+01	3.689545e+01	2.962805e+01	0.0
	U	0.000000e+00	0.000000e+00	0.000000e+00	0.0

[2303 rows x 2303 columns]

```
[ ]: exio3.Z.to_csv('exio3_aggr.csv')
      print("Exio3 Z matrix saved")
```

```
[ ]: # Define gas and non-gas sectors
      gas_sector = "B_gas"
      nongas_sector = "B_nongas"

      # Extract inputs from gas and non-gas sectors to all industries (row-wise)
      B_gas_inputs = exio3.Z.xs(gas_sector, level='sector', drop_level=False)
      B_nongas_inputs = exio3.Z.xs(nongas_sector, level='sector', drop_level=False)

      # Extract outputs from gas and non-gas sectors to all industries (column-wise)
      B_gas_outputs = exio3.Z.xs(gas_sector, level='sector', axis=1, drop_level=False)
      B_nongas_outputs = exio3.Z.xs(nongas_sector, level='sector', axis=1,
      ↪drop_level=False)

      # Compute total inputs and outputs
      total_inputs = B_gas_inputs.add(B_nongas_inputs, fill_value=0)
      total_outputs = B_gas_outputs.add(B_nongas_outputs, fill_value=0)

      # Compute shares
      def compute_shares(gas_values, non_gas_values, total_values):
          shares_gas = gas_values / total_values
          shares_nongas = non_gas_values / total_values

          # Handle cases where total is zero
          shares_gas[total_values == 0] = 0
          shares_nongas[total_values == 0] = 0

          return shares_gas, shares_nongas

      # Compute row and column weights
      B_weights_row_gas, B_weights_row_nongas = compute_shares(B_gas_inputs,
      ↪B_nongas_inputs, total_inputs)
      B_weights_col_gas, B_weights_col_nongas = compute_shares(B_gas_outputs,
      ↪B_nongas_outputs, total_outputs)

      # Combine weights into DataFrames
      B_weights_row = pd.concat([B_weights_row_gas, B_weights_row_nongas],
      ↪keys=[gas_sector, nongas_sector], names=["energy_type"])
      B_weights_col = pd.concat([B_weights_col_gas, B_weights_col_nongas], axis=1,
      ↪keys=[gas_sector, nongas_sector])

      # Validate results
```

```

print("Gas & Non-Gas Weighting Vectors Computed Successfully!")
print("B_weights_row shape:", B_weights_row.shape)
print("B_weights_col shape:", B_weights_col.shape)

# Confirm that shares sum to ~1 where gas & non-gas are present
print("Row Shares Sum Check (should be ~1):")
print(B_weights_row.groupby(level=1).sum().head())

print("Column Shares Sum Check (should be ~1):")
print(B_weights_col.sum(axis=1).head())
# Create a matrix with ones for non-energy sectors and weights for energy
↳sectors
B_weights_matrix = pd.DataFrame(1, index=exio3.Z.index, columns=exio3.Z.columns)

# Apply weights to the energy sectors
for sector in [gas_sector, nongas_sector]:
    B_weights_matrix.loc[sector] = B_weights_row.loc[sector]
    B_weights_matrix[sector] = B_weights_col[sector]

print("B_weights_matrix shape:", B_weights_matrix.shape)
print(B_weights_matrix.head())

```

```

[ ]: # Define gas and non-gas sectors
gas_sector = "B_gas"
nongas_sector = "B_nongas"

# Step 1: Extract Gas & Non-Gas Sectors for Each Country
try:
    # Extract inputs from gas and non-gas sectors to all industries (row-wise)
    B_gas_inputs = exio3.Z.xs(gas_sector, level='sector', drop_level=False)
    B_nongas_inputs = exio3.Z.xs(nongas_sector, level='sector',
    ↳drop_level=False)

    # Extract outputs from gas and non-gas sectors to all industries
    ↳(column-wise)
    B_gas_outputs = exio3.Z.xs(gas_sector, level='sector', axis=1,
    ↳drop_level=False)
    B_nongas_outputs = exio3.Z.xs(nongas_sector, level='sector', axis=1,
    ↳drop_level=False)

except KeyError as e:
    print(f" KeyError: The sector '{e.args[0]}' is missing in exio3.Z. Check
    ↳renaming.")
    print("Available sectors:", exio3.Z.index.get_level_values('sector').
    ↳unique())
    raise # Stop execution if sectors are missing

```

```

# Step 2: Compute Correct Total Deliveries (Gas + Non-Gas) Per Industry and
↳Country
total_inputs = B_gas_inputs.add(B_nongas_inputs, fill_value=0) # Total energy
↳deliveries per sector
total_outputs = B_gas_outputs.add(B_nongas_outputs, fill_value=0) # Total
↳energy demand per sector

# Step 3: Compute Gas & Non-Gas Shares Correctly
def compute_shares(gas_values, non_gas_values, total_values):
    """Compute shares correctly, ensuring they sum to 1 where applicable."""

    shares_gas = gas_values / total_values
    shares_nongas = non_gas_values / total_values

    # Handle cases where total is zero
    shares_gas[total_values == 0] = 0
    shares_nongas[total_values == 0] = 0

    return shares_gas, shares_nongas

# Compute row and column weights using the corrected logic
B_weights_row_gas, B_weights_row_nongas = compute_shares(B_gas_inputs,
↳B_nongas_inputs, total_inputs)
B_weights_col_gas, B_weights_col_nongas = compute_shares(B_gas_outputs,
↳B_nongas_outputs, total_outputs)

# Step 4: Ensure DataFrames Have Correct 2-Row / 2-Column Structure
B_weights_row = pd.concat([B_weights_row_gas, B_weights_row_nongas],
↳keys=[gas_sector, nongas_sector], names=["energy_type"])
B_weights_col = pd.concat([B_weights_col_gas, B_weights_col_nongas], axis=1,
↳keys=[gas_sector, nongas_sector])

# Step 5: Validate Results
print(" Gas & Non-Gas Weighting Vectors Computed Successfully!")
print("B_weights_row shape:", B_weights_row.shape) # Should be (2*N_countries,
↳N_sectors)
print("B_weights_col shape:", B_weights_col.shape) # Should be (N_sectors,
↳2*N_countries)

# Confirm that shares sum to ~1 where gas & non-gas are present
print("Row Shares Sum Check (should be ~1):")
print(B_weights_row.groupby(level=1).sum().head())

print("Column Shares Sum Check (should be ~1):")
print(B_weights_col.sum(axis=1).head()) # Sum across gas & non-gas columns

```

```
[ ]: display(B_weights_row)
display(B_weights_col)
```

```
[8]: ### Conversion of FIGARO tables to new table with gas and other energy
      ↳seperated ###

import pandas as pd

# 1 Load the FIGARO dataset first
figaro_file_path = r"C:
      ↳\Users\danie\Nextcloud\Coding\Masterthesis\data\raw\figaro_tables\2021_figaro_64.
      ↳csv"
figaro_2021 = pd.read_csv(figaro_file_path, index_col=0) # Set row labels as
      ↳index

# 2 Extract the Country Code and Sector Name Separately
def split_country_sector(label):
    """Splits country-sector into (country, sector) tuple."""
    parts = label.split("_", 1) # Splitting at the first underscore
    return parts[0], parts[1] if len(parts) > 1 else parts[0] # If no sector,
    ↳return as-is

# Split row and column labels into country & sector
row_info = figaro_2021.index.map(split_country_sector)
col_info = figaro_2021.columns.map(split_country_sector)

# Convert to DataFrame for easy mapping
row_df = pd.DataFrame(row_info.tolist(), index=figaro_2021.index,
      ↳columns=["Country", "Sector"])
col_df = pd.DataFrame(col_info.tolist(), index=figaro_2021.columns,
      ↳columns=["Country", "Sector"])

# 3 Define the sector mapping AFTER loading and extracting the country-sector
figaro_mapping = {
    "A01": "A01",
    "A02": "A02",
    "A03": "A03",
    "B": ["B_gas", "B_nongas"], # Split into Gas and Non-Gas
    "C10T12": "C10-12",
    "C13T15": "C13-15",
    "C16": "C16",
    "C17": "C17",
    "C18": "C18",
    "C19": "C19",
    "C20": "C20-21",
    "C21": "C20-21",
    "C22": "C22",
```



```

"C23": "C23",
"C24": "C24",
"C25": "C25_33", # Grouped
"C26": "C26",
"C27": "C27",
"C28": "C28_32", # Grouped with C32
"C29": "C29",
"C30": "C30",
"C31_32": "C31", # C32 is included in C28_32
"C33": "C25_33", # Grouped with C25
"D35": "D35",
"E36": "E36",
"E37T39": "E37-39",
"F": "F",
"G45": "G45",
"G46": "G46",
"G47": "G47",
"H49": "H49",
"H50": "H50",
"H51": "H51",
"H52": "H52",
"H53": "H53",
"I": "I",
"J58": "J62_63",
"J59_60": "J62_63",
"J61": "J62_63",
"J62_63": "J62_63",
"K64": "K64",
"K65": "K65",
"K66": "K66",
"L": "L68", # Real Estate
"M69_70": "M_N",
"M71": "M_N",
"M72": "M_N",
"M73": "M_N",
"M74_75": "M_N",
"N77": "M_N",
"N78": "M_N",
"N79": "M_N",
"N80T82": "M_N",
"O84": "O84",
"P85": "P85",
"Q86": "M_N",
"Q87_88": "M_N",
"R90T92": "R_S",
"R93": "R_S",
"S94": "R_S",

```

```

        "S95": "R_S",
        "S96": "R_S",
        "T": "T",
        "U": "U"
    }

# 4 Apply Mapping to Modify Only the Sector Part
row_df["Sector"] = row_df["Sector"].replace(figaro_mapping)
col_df["Sector"] = col_df["Sector"].replace(figaro_mapping)

# Reconstruct new country-sector labels
row_df["New_Label"] = row_df["Country"] + "_" + row_df["Sector"]
col_df["New_Label"] = col_df["Country"] + "_" + col_df["Sector"]

# Apply new labels to the dataset
figaro_2021.index = row_df["New_Label"]
figaro_2021.columns = col_df["New_Label"]

# 5 Aggregate Data by Summing Over Mapped Sectors
figaro_aggregated = figaro_2021.groupby(figaro_2021.index).sum()
figaro_aggregated = figaro_aggregated.T.groupby(figaro_aggregated.T.columns,
    ↪axis=1).sum()

# **Ensure Symmetry**
assert figaro_aggregated.shape[0] == figaro_aggregated.shape[1], "Row-column_
    ↪mismatch after aggregation!"

# **Check Energy Sector Per Country**
print("Aggregated Energy Sectors Per Country:")
energy_countries = [label for label in figaro_aggregated.index if "B_" in label]
print(figaro_aggregated.loc[energy_countries, energy_countries])

# **Save the processed file**
figaro_aggregated.to_csv("figaro_aggregated_2021.csv")

```

```

-----
ValueError                                Traceback (most recent call last)
Cell In[8], line 92
     24 figaro_mapping = {
     25     "A01": "A01",
     26     "A02": "A02",
    (...)
     88     "U": "U"
     89 }
     91 # 4 Apply Mapping to Modify Only the Sector Part
----> 92 row_df["Sector"] = row_df["Sector"].replace(figaro_mapping)
     93 col_df["Sector"] = col_df["Sector"].replace(figaro_mapping)

```

```

95 # Reconstruct new country-sector labels

File c:\Users\danie\Nextcloud\Coding\Masterthesis\
↳env\Lib\site-packages\pandas\core\generic.py:8051, in NDFrame.replace(self,
↳to_replace, value, inplace, limit, regex, method)
8048     else:
8049         to_replace, value = keys, values
-> 8051     return self.replace(
8052         to_replace, value, inplace=inplace, limit=limit, regex=regex
8053     )
8054 else:
8055     # need a non-zero len on all axes
8056     if not self.size:

File c:\Users\danie\Nextcloud\Coding\Masterthesis\
↳env\Lib\site-packages\pandas\core\generic.py:8099, in NDFrame.replace(self,
↳to_replace, value, inplace, limit, regex, method)
8094     if len(to_replace) != len(value):
8095         raise ValueError(
8096             f"Replacement lists must match in length. "
8097             f"Expecting {len(to_replace)} got {len(value)} "
8098         )
-> 8099     new_data = self._mgr.replace_list(
8100         src_list=to_replace,
8101         dest_list=value,
8102         inplace=inplace,
8103         regex=regex,
8104     )
8106 elif to_replace is None:
8107     if not (
8108         is_re_compilable(regex)
8109         or is_list_like(regex)
8110         or is_dict_like(regex)
8111     ):

File c:\Users\danie\Nextcloud\Coding\Masterthesis\
↳env\Lib\site-packages\pandas\core\internals\base.py:278, in DataManager.
↳replace_list(self, src_list, dest_list, inplace, regex)
275 """do a list replace"""
276 inplace = validate_bool_kwarg(inplace, "inplace")
--> 278 bm = self.apply_with_block(
279     "replace_list",
280     src_list=src_list,
281     dest_list=dest_list,
282     inplace=inplace,
283     regex=regex,
284     using_cow=using_copy_on_write(),
285     already_warned=_AlreadyWarned(),

```

```

286 )
287 bm._consolidate_inplace()
288 return bm

```

File c:\Users\danie\Nextcloud\Coding\Masterthesis\.

```

→env\Lib\site-packages\pandas\core\internals\managers.py:363, in
→BaseBlockManager.apply(self, f, align_keys, **kwargs)
    361         applied = b.apply(f, **kwargs)
    362     else:
--> 363         applied = getattr(b, f)(**kwargs)
    364     result_blocks = extend_blocks(applied, result_blocks)
    366 out = type(self).from_blocks(result_blocks, self.axes)

```

File c:\Users\danie\Nextcloud\Coding\Masterthesis\.

```

→env\Lib\site-packages\pandas\core\internals\blocks.py:1119, in Block.
→replace_list(self, src_list, dest_list, inplace, regex, using_cow,
→already_warned)
    1114     m = mib[blk_num : blk_num + 1]
    1116 # error: Argument "mask" to "_replace_coerce" of "Block" has
    1117 # incompatible type "Union[ExtensionArray, ndarray[Any, Any], bool]";
    1118 # expected "ndarray[Any, dtype[bool_]]"
-> 1119 result = blk._replace_coerce(
    1120     to_replace=src,
    1121     value=dest,
    1122     mask=m,
    1123     inplace=inplace,
    1124     regex=regex,
    1125     using_cow=using_cow,
    1126 )
    1128 if using_cow and i != src_len:
    1129     # This is ugly, but we have to get rid of intermediate refs
    1130     # that did not go out of scope yet, otherwise we will trigger
    1131     # many unnecessary copies
    1132     for b in result:

```

File c:\Users\danie\Nextcloud\Coding\Masterthesis\.

```

→env\Lib\site-packages\pandas\core\internals\blocks.py:1223, in Block.
→_replace_coerce(self, to_replace, value, mask, inplace, regex, using_cow)
    1221     return [self]
    1222     return [self] if inplace else [self.copy()]
-> 1223 return self.replace(
    1224     to_replace=to_replace,
    1225     value=value,
    1226     inplace=inplace,
    1227     mask=mask,
    1228     using_cow=using_cow,
    1229 )

```

```

File c:\Users\danie\Nextcloud\Coding\Masterthesis\
↳env\Lib\site-packages\pandas\core\internals\blocks.py:881, in Block.
↳replace(self, to_replace, value, inplace, mask, using_cow, already_warned)
    877 elif self._can_hold_element(value):
    878     # TODO(CoW): Maybe split here as well into columns where mask has
↳True
    879     # and rest?
    880     blk = self._maybe_copy(using_cow, inplace)
--> 881     putmask_inplace(blk.values, mask, value)
    882     if (
    883         inplace
    884         and warn_copy_on_write()
    885         and already_warned is not None
    886         and not already_warned.warned_already
    887     ):
    888         if self.refs.has_reference():

```

```

File c:\Users\danie\Nextcloud\Coding\Masterthesis\
↳env\Lib\site-packages\pandas\core\array_algos\putmask.py:56, in
↳putmask_inplace(values, mask, value)
    54     values[mask] = value[mask]
    55     else:
---> 56     values[mask] = value
    57 else:
    58     # GH#37833 np.putmask is more performant than __setitem__
    59     np.putmask(values, mask, value)

```

ValueError: NumPy boolean array indexing assignment cannot assign 2 input value
↳to the 46 output values where the mask is true