proteasome-mediated ubiquitin-dependent protein- catabolic process ribose phosphate metabolic process	Dotplot for cluster1 GO	
ribonucleotide metabolic process  purine nucleotide metabolic process  small molecule catabolic process		
purine ribonucleotide _ metabolic process  nuclear division - nucleotide biosynthetic _ process		
nucleoside phosphate		
alcohol metabolic process - mitotic cell cycle phase transition organic acid catabolic process -		
fatty acid metabolic process -  protein folding -  carboxylic acid catabolic _  process _  regulation of protein _		
catabolic process cellular amino acid metabolic process response to nutrient levels - mitotic nuclear division -		
cellular response to chemical stress  DNA replication - establishment of organelle localization energy derivation by		
oxidation of organic compounds  response to metal ion-  chromosome segregation- ribose phosphate		
biosynthetic process response to endoplasmic reticulum stress nuclear chromosome segregation-		
steroid metabolic process -  vesicle organization -  ribonucleotide biosynthetic _  process  Golgi vesicle transport -		
carboxylic acid biosynthetic process organic acid biosynthetic process		
cellular respiration - purine nucleotide biosynthetic process purine-containing compound		
biosynthetic process cellular response to oxidative stress protein maturation - positive regulation of proteolysis		
nucleoside triphosphate nucleoside triphosphate metabolic process electron transport chain alpha–amino acid metabolic process		
meiotic cell cycle- double-strand break repair- RNA splicing, via transesterification reactions with bulged		
adenosine as nucleophile mRNA splicing, via spliceosome - RNA splicing, via transesterification reactions purine ribonucleotide biosynthetic process		
protein autophosphorylation - lipid modification - sister chromatid segregation -		
purine nucleoside triphosphate metabolic process ribonucleoside triphosphate metabolic process positive regulation of DNA metabolic process		
DNA-templated DNA replication -  aerobic respiration -  DNA biosynthetic process -  cellular lipid catabolic		
process purine ribonucleoside triphosphate metabolic process regulation of chromosome organization spindle organization		
response to reactive oxygen species microtubule cytoskeleton organization involved inmitosis mitotic sister chromatid		
segregation organic hydroxy compound biosynthetic process regulation of protein modification by small- protein conjugation or removal nucleic acid phosphodiester bond hydrolysis		
cellular response to extracellular stimulus establishment of protein localization to membrane cellular modified amino acid metabolic process		
endosomal transport - monosaccharide metabolic process meiotic cell cycle process -		
ATP metabolic process - cellular response to _ nutrient levels reactive oxygen species _ metabolic process DNA conformation change -		
DNA conformation change -  lipid oxidation -  carbohydrate catabolic process -  steroid biosynthetic process -		
positive regulation of protein catabolic process regulation of protein ubiquitination regulation of proteolysis involved in protein-		
involved in protein - catabolic process  DNA geometric change - cellular amino acid catabolic process monocarboxylic acid catabolic process		
catabolic process mitotic spindle organization - meiotic nuclear division - vesicle localization -		
DNA duplex unwinding - alpha-amino acid catabolic process fatty acid oxidation -		
ERAD pathway - endoplasmic reticulum to Golgi vesicle-mediated - transport regulation of proteasomal protein catabolic process tRNA metabolic process -		
establishment of vesicle localization pyridine-containing compound metabolic process nucleoside bisphosphate metabolic process		
ribonucleoside bisphosphate metabolic process purine nucleoside bisphosphate metabolic process double-strand break repair via homologous recombination		
recombinational repair - cellular response to _ starvation _ pyridine nucleotide _ metabolic process _ nicotinamide nucleotide _		
metabolic process regulation of nuclear division - sulfur compound biosynthetic process cellular response to reactive oxygen species		
fatty acid catabolic process - respiratory electron transport chain response to hydrogen peroxide -		
nucleoside diphosphate metabolic process regulation of DNA replication oxidative phosphorylation secondary alcohol metabolic		
sterol metabolic process - sterol metabolic process - cell cycle G2/M phase transition olefinic compound metabolic		
process chaperone-mediated protein folding dicarboxylic acid metabolic process regulation of DNA		
biosynthetic process positive regulation of proteolysis involved in- protein catabolic process nucleus organization- cholesterol metabolic process-		
alcohol biosynthetic process - ubiquitin-dependent ERAD pathway acyl-CoA metabolic process -		Count 20
thioester metabolic process - pyruvate metabolic process - ribonucleoside diphosphate _ metabolic process regulation of mitotic _		60 p.adjust
nuclear division nucleoside triphosphate biosynthetic process chromosome separation - peptidyl-proline modification -		- 0.04 - 0.03 - 0.02 - 0.01
positive regulation of DNA biosynthetic process fatty acid beta-oxidation primary alcohol metabolic process		
regulation of mRNA splicing, via spliceosome regulation of chromosome separation positive regulation of proteasomal protein catabolic process regulation of DNA-templated		
DNA replication nucleoside monophosphate metabolic process regulation of cellular response to oxidative stress negative regulation of		
chromosome organization ATP synthesis coupled electron transport mitochondrial ATP synthesis coupled electron transport meiotic chromosome segregation		
purine nucleoside diphosphate metabolic process purine ribonucleoside diphosphate metabolic process regulation of response to oxidative stress		
NADP metabolic process - chromosome localization - ADP metabolic process - nucleoside diphosphate		
phosphorylation cell death in response to oxidative stress mitotic sister chromatid separation ribonucleoside monophosphate metabolic process		
alpha-amino acid biosynthetic process chromosome organization involved in meiotic cell cycle fatty acid derivative metabolic process		
cellular amino acid biosynthetic process establishment of chromosome localization glycolytic process		
vesicle budding from membrane -  ATP generation from ADP -  response to osmotic stress -  nucleoside monophosphate		
biosynthetic process glutathione metabolic process  vesicle targeting- protein N-linked glycosylation-		
metaphase plate congression -  protein localization to endoplasmic reticulum  DNA unwinding involved in DNA replication ribonucleoside monophosphate		
biosynthetic process  COPII–coated vesicle budding- aspartate family amino acid metabolic process mitotic metaphase plate		
congression embryo implantation - nucleoside bisphosphate biosynthetic process ribonucleoside bisphosphate biosynthetic process purine nucleoside		
bisphosphate biosynthetic- process sterol biosynthetic process- glucose 6-phosphate metabolic process protein peptidyl-prolyl		
protein peptidyl-prolyl isomerization isomerization tricarboxylic acid cycle -  DNA strand elongation -  pyrimidine-containing compound biosynthetic process		
cell redox homeostasis -  base-excision repair -  modulation by host of viral process		
chromosome condensation -  negative regulation of _  mitotic nuclear division regulation of DNA-directed _  DNA polymerase activity positive regulation of		
DNA-directed DNA polymerase - activity DNA strand elongation involved in DNA replication dolichol-linked oligosaccharide biosynthetic- process pentose-phosphate shunt-		
oligosaccharide–lipid intermediate biosynthetic- process NADPH regeneration- peroxisome organization-		
nuclear DNA replication -  'de novo' protein folding -  serine family amino acid _  metabolic process  cell cycle DNA replication -		
thioester biosynthetic process - acyl-CoA biosynthetic process - cellular modified amino acid biosynthetic process		
double-strand break repair via break-induced replication aspartate family amino acid catabolic process  peroxisomal transport-		
protein hydroxylation - benzene-containing compound metabolic process vesicle targeting, rough ER to cis-Golgi COPII vesicle coating		
COPII vesicle coating- positive regulation of chromosome separation response to superoxide- response to oxygen radical-		
aromatic amino acid family metabolic process pyridine–containing compound biosynthetic process pyrimidine nucleotide biosynthetic process		
chaperone cofactor-dependent protein refolding vesicle tethering-acetyl-CoA metabolic process-female meiotic nuclear		
division division nucleobase metabolic process vesicle targeting, to, from or within Golgi positive regulation of ATP		
metabolic process peptidyl—proline hydroxylation to- 4-hydroxy-L-proline peptidyl-proline hydroxylation- aromatic amino acid family catabolic process tail-anchored membrane		
protein insertion into ER- membrane mitotic chromosome condensation peroxisomal membrane transport- protein insertion into ER		
protein insertion into ER membrane regulation of ncRNA transcription mitotic cytokinetic process cellular response to oxygen radical		
radical radical cellular response to superoxide NAD biosynthetic process protein refolding		
protein folding in endoplasmic reticulum kynurenine metabolic process pentose metabolic process fructose metabolic process		
fructose metabolic process - base-excision repair, gap-filling mitotic DNA replication - meiotic spindle organization -		
regulation of DNA-templated DNA replication initiation post-translational protein targeting to endoplasmic-reticulum membrane deoxyribonucleotide biosynthetic process		
2'-deoxyribonucleotide biosynthetic process deoxyribose phosphate biosynthetic process tRNA 5'-end processing-		
fatty acid homeostasis -  protein targeting to peroxisome response to potassium ion -  nucleotide salvage -		
nucleotide salvage - midbody abscission - protein localization to peroxisome establishment of protein localization to peroxisome		
localization to peroxisome protein insertion into ER membrane by stop-transfer-membrane-anchor sequence tryptophan metabolic process-MDA-5 signaling pathway-		
branching morphogenesis of a nerve regulation of chromosome condensation	0.02 0.04 0.06 GeneRatio	