

Introduction into machine learning and analyzes of Breast Cancer Proteomes

true

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Dataset

About Dataset

information about the data set and the three give files :

Context: This data set contains published iTRAQ proteome profiling of 77 breast cancer samples generated by the Clinical Proteomic Tumor Analysis Consortium (NCI/NIH). It contains expression values for ~12.000 proteins for each sample, with missing values present when a given protein could not be quantified in a given sample.

Content:

- **File:** 77cancerproteomesCPTACitraq.csv
 - **RefSeqaccessionnumber:** RefSeq protein ID (each protein has a unique ID in a RefSeq database)
 - **gene_symbol:** a symbol unique to each gene (every protein is encoded by some gene)
 - **gene_name:** a full name of that gene
 - **Remaining columns:** log2 iTRAQ ratios for each sample (protein expression data, most important), three last columns are from healthy individuals
- **File:** clinicaldatabreast_cancer.csv
 - **First column** “Complete TCGA ID” is used to match the sample IDs in the main cancer proteomes file (see example script).
 - **All other columns** have self-explanatory names, contain data about the cancer classification of a given sample using different methods. ‘PAM50 mRNA’ classification is being used in the example script.

- **File:** PAM50_proteins.csv
 - **Contains** the list of genes and proteins used by the PAM50 classification system. The column RefSeqProteinID contains the protein IDs that can be matched with the IDs in the main protein expression data set.

Past Research: Original research paper: https://www.researchgate.net/publication/303509927_Proteogenomics_connects_somatic_mutations_to_signaling_in_breast_cancer

Summary: the data were used to assess how the mutations in the DNA are affecting the protein expression landscape in breast cancer. Genes in our DNA are first transcribed into RNA molecules which then are translated into proteins. Changing the information content of DNA has impact on the behavior of the proteome, which is the main functional unit of cells, taking care of cell division, DNA repair, enzymatic reactions and signaling etc. They performed K-means clustering on the protein data to divide the breast cancer patients into sub-types, each having unique protein expression signature. They found that the best clustering was achieved using 3 clusters (original PAM50 gene set yields four different subtypes using RNA data). my question is are there different ways to categorize subtypes of breast cancer other than the PAM50 method, and define them as benign or malignant?

```
# packages
library(pander)
library(tidyr)
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##   filter, lag

## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union
```

```
library(ggplot2)
library(gridExtra)
```

```
##
## Attaching package: 'gridExtra'

## The following object is masked from 'package:dplyr':
##
##   combine

library(stringr)
```

Exploratory Data Analysis

loading of the dataframes and showing the successful loading and its dimensions. note only the first 5 columns of “77_cancer_proteomes_CPTAC_itraq.csv” are shown since after column 4 they are the same type.

```

proteomes_data <- read.csv(file = "Data/77_cancer_proteomes_CPTAC_itraq.csv")
clinical_data <- read.csv(file = "Data/clinical_data_breast_cancer.csv")
pam50_protein_data <- read.csv(file = "Data/PAM50_proteins.csv")

```

```

# showing succeseful loading of data

```

```

# only showing first 5 columns of proteomes
head(proteomes_data[1:5], n = 5)

```

```

##   RefSeq_accession_number gene_symbol      gene_name A0.A12D.01TCGA
## 1      NP_958782      PLEC   plectin isoform 1      1.096131
## 2      NP_958785      <NA> plectin isoform 1g      1.111370
## 3      NP_958786      PLEC   plectin isoform 1a      1.111370
## 4      NP_000436      <NA> plectin isoform 1c      1.107561
## 5      NP_958781      <NA> plectin isoform 1e      1.115180
##   C8.A131.01TCGA
## 1      2.609943
## 2      2.650422
## 3      2.650422
## 4      2.646374
## 5      2.646374

```

```

head(clinical_data, n=5)

```

```

##   Complete.TCGA.ID Gender Age.at.Initial.Pathologic.Diagnosis ER.Status
## 1   TCGA-A2-AOT2 FEMALE                                66 Negative
## 2   TCGA-A2-AOCM FEMALE                                40 Negative
## 3   TCGA-BH-A18V FEMALE                                48 Negative
## 4   TCGA-BH-A18Q FEMALE                                56 Negative
## 5   TCGA-BH-AOEO FEMALE                                38 Negative
##   PR.Status HER2.Final.Status Tumor Tumor..T1.Coded Node Node.Coded Metastasis
## 1 Negative      Negative    T3      T_Other    N3   Positive    M1
## 2 Negative      Negative    T2      T_Other    N0   Negative    M0
## 3 Negative      Negative    T2      T_Other    N1   Positive    M0
## 4 Negative      Negative    T2      T_Other    N1   Positive    M0
## 5 Negative      Negative    T3      T_Other    N3   Positive    M0
##   Metastasis.Coded AJCC.Stage Converted.Stage Survival.Data.Form Vital.Status
## 1      Positive   Stage IV   No_Conversion      followup    DECEASED
## 2      Negative   Stage IIA      Stage IIA      followup    DECEASED
## 3      Negative   Stage IIB   No_Conversion      enrollment  DECEASED
## 4      Negative   Stage IIB   No_Conversion      enrollment  DECEASED
## 5      Negative   Stage IIIC  No_Conversion      followup      LIVING
##   Days.to.Date.of.Last.Contact Days.to.date.of.Death OS.event OS.Time
## 1              240              240          1      240
## 2              754              754          1      754
## 3             1555             1555          1     1555
## 4             1692             1692          1     1692
## 5              133              NA           0      133
##   PAM50.mRNA SigClust.Unsupervised.mRNA SigClust.Intrinsic.mRNA miRNA.Clusters
## 1 Basal-like              0             -13              3
## 2 Basal-like             -12             -13              4
## 3 Basal-like             -12             -13              5

```

```
## 4 Basal-like -12 -13 5
## 5 Basal-like 0 -13 5
## methylation.Clusters RPPA.Clusters CN.Clusters
## 1 5 Basal 3
## 2 4 Basal 4
## 3 5 Basal 1
## 4 5 Basal 1
## 5 5 Basal 1
## Integrated.Clusters..with.PAM50. Integrated.Clusters..no.exp.
## 1 2 2
## 2 2 1
## 3 2 2
## 4 2 2
## 5 2 2
## Integrated.Clusters..unsup.exp.
## 1 2
## 2 1
## 3 2
## 4 2
## 5 2
```

```
head(pam50_protein_data, n=5)
```

```
## GeneSymbol RefSeqProteinID Species Gene.Name
## 1 MIA NP_006524 Homo sapiens melanoma inhibitory activity
## 2 FGFR4 NP_002002 Homo sapiens fibroblast growth factor receptor 4
## 3 FGFR4 NP_998812 Homo sapiens fibroblast growth factor receptor 4
## 4 FGFR4 NP_075252 Homo sapiens fibroblast growth factor receptor 4
## 5 GPR160 NP_055188 Homo sapiens G protein-coupled receptor 160
```

```
# showing the structure/dimensions of dataframe
```

```
cat("77_cancer_proteomes_CPTAC_itraq [ number of rows:", nrow(proteomes_data), "number of columns:", ncol(proteomes_data), "\n")
```

```
## 77_cancer_proteomes_CPTAC_itraq [ number of rows: 12553 number of columns: 86
```

```
cat("clinical_data [ number of rows:", nrow(clinical_data), "number of columns:", ncol(clinical_data), "\n")
```

```
## clinical_data [ number of rows: 105 number of columns: 30
```

```
cat("pam50_protein_data [ number of rows:", nrow(pam50_protein_data), "number of columns:", ncol(pam50_protein_data), "\n")
```

```
## pam50_protein_data [ number of rows: 100 number of columns: 4
```

Checking if the Proteomes data has been correctly read.

```
str(proteomes_data)
```

```
## 'data.frame': 12553 obs. of 86 variables:
## $ RefSeq_accession_number: chr "NP_958782" "NP_958785" "NP_958786" "NP_000436" ...
## $ gene_symbol : chr "PLEC" NA "PLEC" NA ...
```

| | | |
|----------------------|-------|---|
| ## \$ gene_name | : chr | "plectin isoform 1" "plectin isoform 1g" "plectin isoform 1a" "plec |
| ## \$ A0.A12D.01TCGA | : num | 1.1 1.11 1.11 1.11 1.12 ... |
| ## \$ C8.A131.01TCGA | : num | 2.61 2.65 2.65 2.65 2.65 ... |
| ## \$ A0.A12B.01TCGA | : num | -0.66 -0.649 -0.654 -0.632 -0.64 ... |
| ## \$ BH.A18Q.02TCGA | : num | 0.195 0.215 0.215 0.205 0.215 ... |
| ## \$ C8.A130.02TCGA | : num | -0.494 -0.504 -0.501 -0.51 -0.504 ... |
| ## \$ C8.A138.03TCGA | : num | 2.77 2.78 2.78 2.8 2.79 ... |
| ## \$ E2.A154.03TCGA | : num | 0.863 0.87 0.87 0.866 0.87 ... |
| ## \$ C8.A12L.04TCGA | : num | 1.41 1.41 1.41 1.41 1.41 ... |
| ## \$ A2.AOEX.04TCGA | : num | 1.19 1.19 1.19 1.19 1.2 ... |
| ## \$ A0.A12D.05TCGA | : num | 1.1 1.1 1.1 1.1 1.09 ... |
| ## \$ AN.A04A.05TCGA | : num | 0.385 0.371 0.371 0.378 0.375 ... |
| ## \$ BH.A0AV.05TCGA | : num | 0.351 0.367 0.367 0.361 0.371 ... |
| ## \$ C8.A12T.06TCGA | : num | -0.205 -0.162 -0.167 -0.184 -0.167 ... |
| ## \$ A8.A06Z.07TCGA | : num | -0.496 -0.499 -0.496 -0.492 -0.488 ... |
| ## \$ A2.AOCM.07TCGA | : num | 0.683 0.694 0.698 0.687 0.687 ... |
| ## \$ BH.A18U.08TCGA | : num | -0.265 -0.252 -0.252 -0.252 -0.252 ... |
| ## \$ A2.AOEQ.08TCGA | : num | -0.913 -0.928 -0.928 -0.932 -0.928 ... |
| ## \$ AR.AOU4.09TCGA | : num | -0.0332 -0.0302 -0.0272 -0.0302 -0.0302 ... |
| ## \$ A0.AOJ9.10TCGA | : num | 0.02 0.012 0.012 0.0039 0.012 ... |
| ## \$ AR.A1AP.11TCGA | : num | 0.461 0.461 0.461 0.461 0.461 ... |
| ## \$ AN.AOFK.11TCGA | : num | 0.974 0.977 0.977 0.97 0.985 ... |
| ## \$ A0.AOJ6.11TCGA | : num | 0.831 0.857 0.857 0.837 0.865 ... |
| ## \$ A7.A13F.12TCGA | : num | 1.28 1.28 1.28 1.28 1.28 ... |
| ## \$ BH.AOE1.12TCGA | : num | 0.762 0.762 0.766 0.758 0.766 ... |
| ## \$ A7.AOCE.13TCGA | : num | -1.12 -1.12 -1.12 -1.13 -1.13 ... |
| ## \$ A2.AOYC.13TCGA | : num | 0.819 0.815 0.815 0.799 0.819 ... |
| ## \$ A0.AOJC.14TCGA | : num | -0.307 -0.307 -0.307 -0.307 -0.301 ... |
| ## \$ A8.A08Z.14TCGA | : num | 0.569 0.569 0.569 0.569 0.569 ... |
| ## \$ AR.AOTX.14TCGA | : num | -0.583 -0.573 -0.567 -0.583 -0.573 ... |
| ## \$ A8.A076.15TCGA | : num | 1.87 1.87 1.87 1.86 1.87 ... |
| ## \$ A0.A126.15TCGA | : num | 0.196 0.196 0.196 0.219 0.2 ... |
| ## \$ BH.AOC1.16TCGA | : num | -0.518 -0.51 -0.507 -0.518 -0.513 ... |
| ## \$ A2.AOEY.16TCGA | : num | 1.17 1.18 1.18 1.17 1.18 ... |
| ## \$ AR.A1AW.17TCGA | : num | 0.578 0.582 0.578 0.59 0.586 ... |
| ## \$ AR.A1AV.17TCGA | : num | -0.76 -0.76 -0.749 -0.736 -0.749 ... |
| ## \$ C8.A135.17TCGA | : num | 1.12 1.14 1.14 1.14 1.12 ... |
| ## \$ A2.AOEV.18TCGA | : num | 0.453 0.473 0.473 0.459 0.473 ... |
| ## \$ AN.AOAM.18TCGA | : num | 1.5 1.51 1.5 1.5 1.5 ... |
| ## \$ D8.A142.18TCGA | : num | 0.539 0.542 0.542 0.535 0.542 ... |
| ## \$ AN.AOFL.19TCGA | : num | 2.46 2.48 2.48 2.46 2.48 ... |
| ## \$ BH.AODG.19TCGA | : num | -0.206 -0.206 -0.206 -0.215 -0.206 ... |
| ## \$ AR.AOTV.20TCGA | : num | -1.51 -1.53 -1.53 -1.53 -1.51 ... |
| ## \$ C8.A12Z.20TCGA | : num | -0.787 -0.756 -0.756 -0.775 -0.772 ... |
| ## \$ A0.AOJJ.20TCGA | : num | 0.757 0.781 0.774 0.764 0.771 ... |
| ## \$ A0.AOJE.21TCGA | : num | 0.56 0.563 0.56 0.542 0.56 ... |
| ## \$ AN.AOAJ.21TCGA | : num | -0.428 -0.406 -0.406 -0.406 -0.406 ... |
| ## \$ A7.AOCJ.22TCGA | : num | -1.001 -1.005 -1.005 -0.998 -1.001 ... |
| ## \$ A0.A12F.22TCGA | : num | -1.95 -1.95 -1.96 -1.95 -1.96 ... |
| ## \$ A8.A079.23TCGA | : num | 1.05 1.05 1.05 1.06 1.05 ... |
| ## \$ A2.AOT3.24TCGA | : num | 0.584 0.581 0.581 0.587 0.587 ... |
| ## \$ A2.AOYD.24TCGA | : num | 0.0638 0.0933 0.0845 0.0667 0.0845 ... |
| ## \$ AR.AOTR.25TCGA | : num | -1.1 -1.11 -1.11 -1.1 -1.11 ... |
| ## \$ A0.A030.25TCGA | : num | 1.05 1.06 1.06 1.06 1.06 ... |

```
## $ A0.A12E.26TCGA      : num  0.265 0.276 0.276 0.278 0.278 ...
## $ A8.A06N.26TCGA      : num  0.239 0.25 0.244 0.25 0.25 ...
## $ A2.AOYG.27TCGA      : num  -0.0782 -0.0681 -0.0714 -0.0579 -0.0647 ...
## $ BH.A18N.27TCGA      : num  1.1 1.1 1.1 1.09 1.11 ...
## $ AN.A0AL.28TCGA      : num  0.324 0.327 0.327 0.33 0.327 ...
## $ A2.AOT6.29TCGA      : num  0.794 0.818 0.815 0.801 0.818 ...
## $ E2.A158.29TCGA      : num  -1.09 -1.1 -1.1 -1.1 -1.1 ...
## $ E2.A15A.29TCGA      : num  2.18 2.18 2.18 2.18 2.18 ...
## $ A0.AOJM.30TCGA      : num  1.4 1.41 1.41 1.41 1.41 ...
## $ C8.A12V.30TCGA      : num  0.674 0.689 0.689 0.678 0.689 ...
## $ A2.AOD2.31TCGA      : num  0.1075 0.1042 0.1075 0.0975 0.1042 ...
## $ C8.A12U.31TCGA      : num  -0.482 -0.478 -0.482 -0.471 -0.482 ...
## $ AR.A1AS.31TCGA      : num  1.22 1.22 1.22 1.2 1.22 ...
## $ A8.A09G.32TCGA      : num  -1.52 -1.51 -1.51 -1.52 -1.51 ...
## $ C8.A131.32TCGA      : num  2.71 2.73 2.74 2.73 2.75 ...
## $ C8.A134.32TCGA      : num  0.14 0.126 0.133 0.112 0.126 ...
## $ A2.AOYF.33TCGA      : num  0.311 0.296 0.296 0.296 0.296 ...
## $ BH.AODD.33TCGA      : num  -0.692 -0.659 -0.664 -0.657 -0.662 ...
## $ BH.AOE9.33TCGA      : num  1.47 1.48 1.47 1.46 1.47 ...
## $ AR.AOTT.34TCGA      : num  -0.511 -0.526 -0.526 -0.533 -0.53 ...
## $ A0.A12B.34TCGA      : num  -0.964 -0.938 -0.944 -0.935 -0.935 ...
## $ A2.AOSW.35TCGA      : num  -0.488 -0.488 -0.488 -0.488 -0.504 ...
## $ A0.AOJL.35TCGA      : num  -0.107 -0.107 -0.107 -0.107 -0.107 ...
## $ BH.AOBV.35TCGA      : num  -0.0658 -0.0559 -0.0658 -0.0559 -0.0625 ...
## $ A2.AOYM.36TCGA      : num  0.656 0.658 0.656 0.656 0.651 ...
## $ BH.AOC7.36TCGA      : num  -0.552 -0.548 -0.552 -0.552 -0.557 ...
## $ A2.AOSX.36TCGA      : num  -0.399 -0.393 -0.393 -0.393 -0.396 ...
## $ X263d3f.I.CPTAC     : num  0.599 0.607 0.604 0.604 0.604 ...
## $ blcdb9.I.CPTAC      : num  -0.191 -0.184 -0.186 -0.186 -0.167 ...
## $ c4155b.C.CPTAC      : num  0.567 0.579 0.577 0.577 0.577 ...
```

Nothing strange about the Proteomes dat everything seems to be read correct.

Checking if the clinical data has been correctly read.

```
str(clinical_data)
```

```
## 'data.frame':   105 obs. of  30 variables:
## $ Complete.TCGA.ID      : chr  "TCGA-A2-AOT2" "TCGA-A2-AOCM" "TCGA-BH-A18V" "TCGA-BH-A18V" ...
## $ Gender                : chr  "FEMALE" "FEMALE" "FEMALE" "FEMALE" ...
## $ Age.at.Initial.Pathologic.Diagnosis: int  66 40 48 56 38 57 74 60 61 67 ...
## $ ER.Status             : chr  "Negative" "Negative" "Negative" "Negative" ...
## $ PR.Status             : chr  "Negative" "Negative" "Negative" "Negative" ...
## $ HER2.Final.Status      : chr  "Negative" "Negative" "Negative" "Negative" ...
## $ Tumor                 : chr  "T3" "T2" "T2" "T2" ...
## $ Tumor..T1.Coded        : chr  "T_Other" "T_Other" "T_Other" "T_Other" ...
## $ Node                  : chr  "N3" "N0" "N1" "N1" ...
## $ Node.Coded            : chr  "Positive" "Negative" "Positive" "Positive" ...
## $ Metastasis            : chr  "M1" "M0" "M0" "M0" ...
## $ Metastasis.Coded      : chr  "Positive" "Negative" "Negative" "Negative" ...
## $ AJCC.Stage            : chr  "Stage IV" "Stage IIA" "Stage IIB" "Stage IIB" ...
## $ Converted.Stage       : chr  "No_Conversion" "Stage IIA" "No_Conversion" "No_Conversion" ...
## $ Survival.Data.Form    : chr  "followup" "followup" "enrollment" "enrollment" ...
## $ Vital.Status          : chr  "DECEASED" "DECEASED" "DECEASED" "DECEASED" ...
```

```
## $ Days.to.Date.of.Last.Contact      : int  240 754 1555 1692 133 309 425 643 775 964 ...
## $ Days.to.date.of.Death             : int  240 754 1555 1692 NA NA NA NA NA NA ...
## $ OS.event                         : int   1 1 1 1 0 0 0 0 0 0 ...
## $ OS.Time                         : int  240 754 1555 1692 133 309 425 643 775 964 ...
## $ PAM50.mRNA                      : chr  "Basal-like" "Basal-like" "Basal-like" "Basal-like" ...
## $ SigClust.Unsupervised.mRNA       : int   0 -12 -12 -12 0 0 0 -12 -12 -12 ...
## $ SigClust.Intrinsic.mRNA         : int  -13 -13 -13 -13 -13 -13 -13 -13 -13 -13 ...
## $ miRNA.Clusters                  : int   3 4 5 5 5 5 3 5 2 5 ...
## $ methylation.Clusters             : int   5 4 5 5 5 5 5 5 5 5 ...
## $ RPPA.Clusters                   : chr  "Basal" "Basal" "Basal" "Basal" ...
## $ CN.Clusters                     : int   3 4 1 1 1 1 1 1 1 3 ...
## $ Integrated.Clusters..with.PAM50. : int   2 2 2 2 2 2 2 2 2 2 ...
## $ Integrated.Clusters..no.exp.     : int   2 1 2 2 2 2 2 2 2 2 ...
## $ Integrated.Clusters..unsup.exp.  : int   2 1 2 2 2 2 2 2 2 2 ...
```

Nothing strange about the clinical data everything seems to be read correct.

Checking if the pam50 protein data has been correctly read.

```
str(pam50_protein_data)
```

```
## 'data.frame':   100 obs. of  4 variables:
## $ GeneSymbol      : chr  "MIA" "FGFR4" "FGFR4" "FGFR4" ...
## $ RefSeqProteinID : chr  "NP_006524" "NP_002002" "NP_998812" "NP_075252" ...
## $ Species         : chr  "Homo sapiens" "Homo sapiens" "Homo sapiens" "Homo sapiens" ...
## $ Gene.Name       : chr  "melanoma inhibitory activity" "fibroblast growth factor receptor 4" "fibroblast growth factor receptor 4" ...
```

Nothing strange about the pam50 protein data everything seems to be read correct.

codebook

loading of the created codebooks for the three dataframes. showing also its contents and successful loading

```
cancer_proteomes_CPTAC_codebook <- read.csv2("Data/77_cancer_proteomes_CPTAC_codebook.txt")
clinical_data_codebook <- read.csv2("Data/clinical_data_breast_cancer_codebook.txt")
PAM50_protein_codebook <- read.csv2("Data/PAM50_protein_codebook.txt", sep = ";")
```

```
cancer_proteomes_CPTAC_codebook
```

```
##           Column           Description data.type unit
## 1 RefSeq_accession_number RefSeq protein ID   string  NA
## 2           gene_symbol Gene abbreviation code string  NA
## 3           gene_name     Name of the gene     string  NA
## 4      Remaining columns      log2 iTRAQ ratios float  NA
```

```
clinical_data_codebook
```

```
##           Column           Description
## 1 Complete_TCGA_ID         TCGA ID
## 2           Gender         Gender
```

| | | |
|-------|-------------------------------------|--|
| ## 3 | Age_at_Initial_Pathologic_Diagnosis | Age at Initial Pathologic Diagnosis |
| ## 4 | ER Status | Estrogen receptor Status |
| ## 5 | PR Status | Progesterone receptor Status |
| ## 6 | HER2 Final Status | Human Epidermal growth factor Receptor 2 |
| ## 7 | Tumor | Tumor |
| ## 8 | Tumor--T1 Coded | Tumor--T1 Coded |
| ## 9 | Node | Node |
| ## 10 | Node-Coded | Node-Coded |
| ## 11 | Metastasis | Metastasis |
| ## 12 | Metastasis-Coded | Metastasis-Coded |
| ## 13 | AJCC Stage | American Joint Committee on Cancer Stage |
| ## 14 | Converted Stage | Converted Stage |
| ## 15 | Survival Data Form | Survival Data Form |
| ## 16 | Vital Status | Vital Status |
| ## 17 | Days to Date of Last Contact | Days to Date of Last Contact |
| ## 18 | Days to date of Death | Days to date of Death |
| ## 19 | OS event | OS event 0= NO, 1= YES |
| ## 20 | OS Time | OS Time |
| ## 21 | PAM50 mRNA | PAM50 mRNA |
| ## 22 | SigClust Unsupervised mRNA | SigClust Unsupervised mRNA |
| ## 23 | SigClust Intrinsic mRNA | SigClust Intrinsic mRNA |
| ## 24 | miRNA Clusters | miRNA Clusters |
| ## 25 | methylation Clusters | methylation Clusters |
| ## 26 | RPPA Clusters | RPPA Clusters |
| ## 27 | CN Clusters | CN Clusters |
| ## 28 | Integrated Clusters (with PAM50) | Integrated Clusters (with PAM50) |
| ## 29 | Integrated Clusters (no exp) | Integrated Clusters (no exp) |
| ## 30 | Integrated Clusters (unsup exp) | Integrated Clusters (unsup exp) |
| ## | type data.type unit | |
| ## 1 | name chr <NA> | |
| ## 2 | name chr <NA> | |
| ## 3 | Descriptive chr <NA> | |
| ## 4 | Descriptive chr <NA> | |
| ## 5 | Descriptive chr <NA> | |
| ## 6 | Descriptive chr <NA> | |
| ## 7 | Descriptive chr <NA> | |
| ## 8 | Descriptive chr <NA> | |
| ## 9 | Descriptive chr <NA> | |
| ## 10 | Descriptive chr <NA> | |
| ## 11 | Descriptive chr <NA> | |
| ## 12 | Descriptive chr <NA> | |
| ## 13 | Descriptive chr <NA> | |
| ## 14 | Descriptive chr <NA> | |
| ## 15 | Descriptive chr <NA> | |
| ## 16 | Descriptive chr <NA> | |
| ## 17 | Time int Days | |
| ## 18 | Time int Days | |
| ## 19 | Descriptive int <NA> | |
| ## 20 | Time int Hours | |
| ## 21 | Descriptive chr <NA> | |
| ## 22 | Count int <NA> | |
| ## 23 | Count int <NA> | |
| ## 24 | Count int <NA> | |
| ## 25 | Count int <NA> | |


```
## 26 Descriptive      chr <NA>
## 27      Count      int <NA>
## 28      count      int <NA>
## 29      count      int <NA>
## 30      count      int <NA>
```

```
PAM50_protein_codebook
```

```
##      Column      Description type      unit
## 1      GeneSymbol      Gene abbreviation chr      <NA>
## 2 RefSeqProteinID Unique reference identifier chr      <NA>
## 3      Species      Species chr latin name
## 4      Gene.Name      Name of the gene chr      <NA>
```

Data observation

there are 12553 rows in the data, these are proteins identifiable with a RefSeq ID number and have 86 columns of which the last 83 are samples (with named with their identifiers and the last three from healthy individuals). to further use the data i shall reshape it to make the rows samples and each column a protein

```
# first making a data frame with only the numerical data, samples start at column number 4 til the end
proteomes_data_numerical <- proteomes_data[4:86]
```

```
# checking data
head(proteomes_data_numerical,n=5)
```

```
##      AO.A12D.01TCGA C8.A131.01TCGA AO.A12B.01TCGA BH.A18Q.02TCGA C8.A130.02TCGA
## 1      1.096131      2.609943      -0.6598280      0.1953407      -0.4940596
## 2      1.111370      2.650422      -0.6487422      0.2154129      -0.5038992
## 3      1.111370      2.650422      -0.6542851      0.2154129      -0.5006193
## 4      1.107561      2.646374      -0.6321133      0.2053768      -0.5104589
## 5      1.115180      2.646374      -0.6404277      0.2154129      -0.5038992
##      C8.A138.03TCGA E2.A154.03TCGA C8.A12L.04TCGA A2.A0EX.04TCGA AO.A12D.05TCGA
## 1      2.765081      0.8626593      1.407570      1.185108      1.100688
## 2      2.779709      0.8701860      1.407570      1.192612      1.100688
## 3      2.779709      0.8701860      1.410312      1.188860      1.100688
## 4      2.797995      0.8664226      1.407570      1.185108      1.100688
## 5      2.787023      0.8701860      1.413053      1.200116      1.093358
##      AN.A04A.05TCGA BH.A0AV.05TCGA C8.A12T.06TCGA A8.A06Z.07TCGA A2.A0CM.07TCGA
## 1      0.3845877      0.3505357      -0.2049179      -0.4964091      0.6834035
## 2      0.3713928      0.3674053      -0.1624185      -0.4985089      0.6944241
## 3      0.3713928      0.3674053      -0.1666684      -0.4964091      0.6980976
## 4      0.3779903      0.3606575      -0.1836682      -0.4922095      0.6870771
## 5      0.3746916      0.3707793      -0.1666684      -0.4880099      0.6870771
##      BH.A18U.08TCGA A2.A0EQ.08TCGA AR.A0U4.09TCGA AO.A0J9.10TCGA AR.A1AP.11TCGA
## 1      -0.2650304      -0.9126703      -0.03322133      0.020007050      0.4610875
## 2      -0.2516423      -0.9279787      -0.03021642      0.011955318      0.4610875
## 3      -0.2516423      -0.9279787      -0.02721152      0.011955318      0.4610875
## 4      -0.2516423      -0.9318057      -0.03021642      0.003903587      0.4610875
## 5      -0.2516423      -0.9279787      -0.03021642      0.011955318      0.4610875
##      AN.A0FK.11TCGA AO.A0J6.11TCGA A7.A13F.12TCGA BH.A0E1.12TCGA A7.A0CE.13TCGA
## 1      0.9735642      0.8311317      1.279185      0.7620444      -1.123173
```

| | | | | | |
|------|----------------|----------------|----------------|----------------|----------------|
| ## 2 | 0.9774761 | 0.8565398 | 1.275167 | 0.7620444 | -1.123173 |
| ## 3 | 0.9774761 | 0.8565398 | 1.275167 | 0.7663844 | -1.116861 |
| ## 4 | 0.9696523 | 0.8367780 | 1.279185 | 0.7577045 | -1.129486 |
| ## 5 | 0.9852998 | 0.8650092 | 1.279185 | 0.7663844 | -1.129486 |
| ## | A2.A0YC.13TCGA | A0.A0JC.14TCGA | A8.A08Z.14TCGA | AR.A0TX.14TCGA | A8.A076.15TCGA |
| ## 1 | 0.8188241 | -0.3072668 | 0.5688946 | -0.5834286 | 1.873982 |
| ## 2 | 0.8148772 | -0.3072668 | 0.5688946 | -0.5725489 | 1.870383 |
| ## 3 | 0.8148772 | -0.3072668 | 0.5688946 | -0.5671090 | 1.870383 |
| ## 4 | 0.7990900 | -0.3072668 | 0.5688946 | -0.5834286 | 1.859587 |
| ## 5 | 0.8188241 | -0.3010327 | 0.5688946 | -0.5725489 | 1.870383 |
| ## | A0.A126.15TCGA | BH.A0C1.16TCGA | A2.A0EY.16TCGA | AR.A1AW.17TCGA | AR.A1AV.17TCGA |
| ## 1 | 0.1958767 | -0.5183665 | 1.174881 | 0.5783087 | -0.7598231 |
| ## 2 | 0.1958767 | -0.5100020 | 1.183209 | 0.5822129 | -0.7598231 |
| ## 3 | 0.1958767 | -0.5072138 | 1.183209 | 0.5783087 | -0.7491137 |
| ## 4 | 0.2189346 | -0.5183665 | 1.174881 | 0.5900212 | -0.7357270 |
| ## 5 | 0.1997197 | -0.5127902 | 1.179045 | 0.5861170 | -0.7491137 |
| ## | C8.A135.17TCGA | A2.A0EV.18TCGA | AN.A0AM.18TCGA | D8.A142.18TCGA | AN.A0FL.19TCGA |
| ## 1 | 1.120502 | 0.4529859 | 1.501967 | 0.5385958 | 2.455138 |
| ## 2 | 1.137618 | 0.4725901 | 1.510348 | 0.5422105 | 2.480137 |
| ## 3 | 1.137618 | 0.4725901 | 1.501967 | 0.5422105 | 2.480137 |
| ## 4 | 1.137618 | 0.4585871 | 1.501967 | 0.5349810 | 2.461956 |
| ## 5 | 1.120502 | 0.4725901 | 1.501967 | 0.5422105 | 2.477864 |
| ## | BH.A0DG.19TCGA | AR.A0TV.20TCGA | C8.A12Z.20TCGA | A0.A0JJ.20TCGA | A0.A0JE.21TCGA |
| ## 1 | -0.2056375 | -1.514278 | -0.7871950 | 0.7571881 | 0.5597770 |
| ## 2 | -0.2056375 | -1.528285 | -0.7559406 | 0.7808707 | 0.5634069 |
| ## 3 | -0.2056375 | -1.528285 | -0.7559406 | 0.7741042 | 0.5597770 |
| ## 4 | -0.2150062 | -1.531087 | -0.7746932 | 0.7639546 | 0.5416274 |
| ## 5 | -0.2056375 | -1.514278 | -0.7715678 | 0.7707210 | 0.5597770 |
| ## | AN.A0AJ.21TCGA | A7.A0CJ.22TCGA | A0.A12F.22TCGA | A8.A079.23TCGA | A2.A0T3.24TCGA |
| ## 1 | -0.4281815 | -1.0012398 | -1.947792 | 1.048959 | 0.5837133 |
| ## 2 | -0.4063780 | -1.0046198 | -1.952718 | 1.052257 | 0.5806231 |
| ## 3 | -0.4063780 | -1.0046198 | -1.955180 | 1.052257 | 0.5806231 |
| ## 4 | -0.4063780 | -0.9978599 | -1.947792 | 1.058852 | 0.5868034 |
| ## 5 | -0.4063780 | -1.0012398 | -1.957643 | 1.052257 | 0.5868034 |
| ## | A2.A0YD.24TCGA | AR.A0TR.25TCGA | A0.A030.25TCGA | A0.A12E.26TCGA | A8.A06N.26TCGA |
| ## 1 | 0.06377853 | -1.101675 | 1.053225 | 0.2648591 | 0.2385471 |
| ## 2 | 0.09333637 | -1.108783 | 1.055948 | 0.2757113 | 0.2498182 |
| ## 3 | 0.08446902 | -1.108783 | 1.055948 | 0.2757113 | 0.2441826 |
| ## 4 | 0.06673431 | -1.096937 | 1.058671 | 0.2784244 | 0.2498182 |
| ## 5 | 0.08446902 | -1.111152 | 1.058671 | 0.2784244 | 0.2498182 |
| ## | A2.A0YG.27TCGA | BH.A18N.27TCGA | AN.A0AL.28TCGA | A2.A0T6.29TCGA | E2.A158.29TCGA |
| ## 1 | -0.07820182 | 1.101261 | 0.3236627 | 0.7939756 | -1.086529 |
| ## 2 | -0.06805814 | 1.101261 | 0.3269726 | 0.8181815 | -1.095492 |
| ## 3 | -0.07143937 | 1.097767 | 0.3269726 | 0.8147235 | -1.095492 |
| ## 4 | -0.05791445 | 1.090779 | 0.3302826 | 0.8008915 | -1.095492 |
| ## 5 | -0.06467691 | 1.108248 | 0.3269726 | 0.8181815 | -1.095492 |
| ## | E2.A15A.29TCGA | A0.A0JM.30TCGA | C8.A12V.30TCGA | A2.A0D2.31TCGA | C8.A12U.31TCGA |
| ## 1 | 2.180123 | 1.395247 | 0.6739047 | 0.10749090 | -0.4815502 |
| ## 2 | 2.180123 | 1.408922 | 0.6887176 | 0.10416449 | -0.4778898 |
| ## 3 | 2.180123 | 1.412341 | 0.6887176 | 0.10749090 | -0.4815502 |
| ## 4 | 2.180123 | 1.408922 | 0.6776079 | 0.09751166 | -0.4705692 |
| ## 5 | 2.180123 | 1.408922 | 0.6887176 | 0.10416449 | -0.4815502 |
| ## | AR.A1AS.31TCGA | A8.A09G.32TCGA | C8.A131.32TCGA | C8.A134.32TCGA | A2.A0YF.33TCGA |
| ## 1 | 1.222507 | -1.523343 | 2.707250 | 0.1401818 | 0.3113192 |

```
## 2      1.218974      -1.512646      2.733832      0.1260538      0.2961771
## 3      1.222507      -1.509972      2.737629      0.1331178      0.2961771
## 4      1.204839      -1.517995      2.733832      0.1119257      0.2961771
## 5      1.222507      -1.509972      2.752819      0.1260538      0.2961771
## BH.A0DD.33TCGA BH.A0E9.33TCGA AR.A0TT.34TCGA AO.A12B.34TCGA A2.A0SW.35TCGA
## 1      -0.6923158      1.466665      -0.5114212      -0.9639039      -0.4877725
## 2      -0.6594687      1.482283      -0.5260667      -0.9382095      -0.4877725
## 3      -0.6641611      1.474474      -0.5260667      -0.9439194      -0.4877725
## 4      -0.6571224      1.458856      -0.5333894      -0.9353546      -0.4877725
## 5      -0.6618149      1.474474      -0.5297281      -0.9353546      -0.5038532
## AO.A0JL.35TCGA BH.A0BV.35TCGA A2.A0YM.36TCGA BH.A0C7.36TCGA A2.A0SX.36TCGA
## 1      -0.10668      -0.06583842      0.6558497      -0.5522120      -0.3985598
## 2      -0.10668      -0.05589267      0.6581426      -0.5477494      -0.3926014
## 3      -0.10668      -0.06583842      0.6558497      -0.5522120      -0.3926014
## 4      -0.10668      -0.05589267      0.6558497      -0.5522120      -0.3926014
## 5      -0.10668      -0.06252317      0.6512639      -0.5566746      -0.3955806
## X263d3f.I.CPTAC blcdb9.I.CPTAC c4155b.C.CPTAC
## 1      0.5985845      -0.1912845      0.5669753
## 2      0.6066975      -0.1839177      0.5787017
## 3      0.6039931      -0.1860225      0.5767473
## 4      0.6039931      -0.1860225      0.5767473
## 5      0.6039931      -0.1670792      0.5767473
```

transposing the created data frame “proteomes_data_numerical”, and adding the refseq ID as column name

```
proteomes_data_numerical_transposed <- t(proteomes_data_numerical)
colnames(proteomes_data_numerical_transposed) <- proteomes_data$RefSeq_accession_number

# checking is succesfull
head(proteomes_data_numerical_transposed)
```

```
##      NP_958782 NP_958785 NP_958786 NP_000436 NP_958781
## AO.A12D.01TCGA 1.0961312 1.1113704 1.1113704 1.1075606 1.1151802
## C8.A131.01TCGA 2.6099430 2.6504218 2.6504218 2.6463739 2.6463739
## AO.A12B.01TCGA -0.6598280 -0.6487422 -0.6542851 -0.6321133 -0.6404277
## BH.A18Q.02TCGA 0.1953407 0.2154129 0.2154129 0.2053768 0.2154129
## C8.A130.02TCGA -0.4940596 -0.5038992 -0.5006193 -0.5104589 -0.5038992
## C8.A138.03TCGA 2.7650807 2.7797092 2.7797092 2.7979949 2.7870235
##      NP_958780 NP_958783 NP_958784 NP_112598 NP_001611
## AO.A12D.01TCGA 1.1075606 1.1113704 1.1113704 -1.5173904 0.4827537
## C8.A131.01TCGA 2.6463739 2.6504218 2.6504218 3.9093128 -1.0452935
## AO.A12B.01TCGA -0.6542851 -0.6487422 -0.6487422 -0.6182559 1.2220027
## BH.A18Q.02TCGA 0.2154129 0.2154129 0.2154129 -1.0357599 -0.5172257
## C8.A130.02TCGA -0.5038992 -0.5006193 -0.5006193 -1.8453656 -0.4055031
## C8.A138.03TCGA 2.7797092 2.7833664 2.7833664 2.2055384 0.7499970
##      NP_076965 NP_001367 NP_036222 NP_001138241 NP_001714
## AO.A12D.01TCGA 0.26178538 0.92469026 -0.5801800 -0.01252008 -0.1877708
## C8.A131.01TCGA -0.03737115 1.39962658 -0.1345203 0.75601351 0.1731187
## AO.A12B.01TCGA 1.01968512 -1.23075167 0.7813384 -1.09217797 -1.7850464
## BH.A18Q.02TCGA -0.72463936 -0.08567142 -0.3064666 0.73729252 2.0419914
## C8.A130.02TCGA -0.70397119 -0.78596791 -0.9171627 -1.13363401 -0.5202985
## C8.A138.03TCGA -0.15697353 1.50702479 -1.3053152 -0.50440175 -0.1825735
##      NP_002464 NP_001073936 NP_061198 NP_001074248 NP_001074419
```

| | | | | | | |
|----|----------------|--------------|-------------|--------------|-------------|--------------|
| ## | A0.A12D.01TCGA | 2.0447709 | -0.06585726 | -0.35159212 | 0.3189324 | 0.3189324 |
| ## | C8.A131.01TCGA | 1.5939249 | -0.87528250 | -1.02100622 | -0.4381114 | -0.4381114 |
| ## | A0.A12B.01TCGA | -1.2667808 | -2.28114026 | 0.01641158 | 0.0884699 | 0.0884699 |
| ## | BH.A18Q.02TCGA | 1.0283407 | 1.86803158 | -0.88187231 | 0.7807825 | 0.7874732 |
| ## | C8.A130.02TCGA | 0.1094363 | -0.97620030 | -1.51737867 | -0.6088550 | -0.6219745 |
| ## | C8.A138.03TCGA | 1.2546822 | 0.46474012 | 2.07388136 | -0.3873733 | -0.3873733 |
| ## | | NP_056009 | NP_036355 | NP_001155291 | NP_002462 | NP_000248 |
| ## | A0.A12D.01TCGA | 0.97040784 | 1.52663838 | 1.52663838 | 1.1113704 | -0.5077938 |
| ## | C8.A131.01TCGA | 1.64249943 | 2.92567769 | 2.92567769 | -0.6162181 | 1.3915308 |
| ## | A0.A12B.01TCGA | -0.90648922 | -2.38368480 | -2.38368480 | -3.4673311 | -2.7994059 |
| ## | BH.A18Q.02TCGA | 0.01803541 | -0.75809318 | -0.75809318 | -3.8659529 | -3.8659529 |
| ## | C8.A130.02TCGA | 0.84740679 | 0.55549846 | 0.55549846 | -0.4481414 | -0.5104589 |
| ## | C8.A138.03TCGA | 1.10839662 | -0.05457364 | -0.08383075 | 0.8011969 | 0.5122829 |
| ## | | NP_036467 | NP_004989 | NP_001243024 | NP_149043 | NP_067047 |
| ## | A0.A12D.01TCGA | 0.08272487 | 0.5399006 | 2.1019179 | 0.8027767 | 1.1837565 |
| ## | C8.A131.01TCGA | 2.52493748 | 2.1849155 | 0.5131407 | 1.2943817 | -0.8388516 |
| ## | A0.A12B.01TCGA | -2.46682901 | -2.6414319 | -0.6736854 | -1.9430205 | -7.7631156 |
| ## | BH.A18Q.02TCGA | 1.92490308 | 1.9650477 | -0.8216554 | 2.0988629 | 1.1019391 |
| ## | C8.A130.02TCGA | -0.46454076 | -0.2251103 | 0.2307914 | -0.5924556 | -0.1496734 |
| ## | C8.A138.03TCGA | -0.08017361 | 0.7390256 | 1.3278250 | -0.4202876 | 1.5326248 |
| ## | | NP_002461 | NP_060003 | NP_003793 | NP_060004 | NP_005954 |
| ## | A0.A12D.01TCGA | -0.4506469 | 1.0351744 | 0.9627882 | 1.0351744 | 0.9627882 |
| ## | C8.A131.01TCGA | 0.7681572 | 1.3915308 | 1.6991698 | 1.2336635 | 2.0189524 |
| ## | A0.A12B.01TCGA | -2.4806864 | -2.7994059 | -2.4806864 | -2.7994059 | -2.4806864 |
| ## | BH.A18Q.02TCGA | -2.3973303 | -1.5676756 | -0.5975148 | -1.5676756 | -1.5676756 |
| ## | C8.A130.02TCGA | -0.3989434 | -0.1267143 | -1.3993034 | -0.4481414 | -0.3989434 |
| ## | C8.A138.03TCGA | 0.8085112 | 1.0169681 | 1.2217679 | 1.0901109 | 0.9511396 |
| ## | | NP_002463 | NP_689914 | NP_001242941 | NP_060227 | NP_055796 |
| ## | A0.A12D.01TCGA | 1.1113704 | 0.66181419 | 2.0981081 | 1.3856758 | -0.9116325 |
| ## | C8.A131.01TCGA | 2.0189524 | 0.16907078 | 0.5131407 | 0.6143377 | -0.7255109 |
| ## | A0.A12B.01TCGA | -2.4030851 | -1.72130254 | -0.6625995 | -0.2607358 | 0.1161846 |
| ## | BH.A18Q.02TCGA | -1.3401896 | 0.18530451 | -0.8216554 | -1.4104426 | -7.5692906 |
| ## | C8.A130.02TCGA | -0.3989434 | -0.07751624 | 0.2340713 | -0.3497454 | 0.3455868 |
| ## | C8.A138.03TCGA | 1.3607392 | 0.82679690 | 1.2912536 | -0.6031445 | -0.2228020 |
| ## | | NP_065935 | NP_008974 | NP_001156806 | NP_000251 | NP_001242970 |
| ## | A0.A12D.01TCGA | 1.1113704 | 0.5703790 | -2.0317131 | 0.8637335 | 1.00469603 |
| ## | C8.A131.01TCGA | 2.0189524 | -0.7943249 | -1.2760227 | 0.3431297 | 1.93394686 |
| ## | A0.A12B.01TCGA | -3.4673311 | -1.0977209 | 0.5596205 | -5.2881894 | -2.96846579 |
| ## | BH.A18Q.02TCGA | 0.8276178 | -1.3836796 | -2.4910010 | -1.6245471 | -1.21306511 |
| ## | C8.A130.02TCGA | -0.4481414 | 1.3689059 | -2.5833360 | -0.3792642 | 0.07335773 |
| ## | C8.A138.03TCGA | 1.2217679 | -2.4097713 | -0.1789164 | 3.3465658 | -0.45320181 |
| ## | | NP_001094891 | NP_057323 | NP_002465 | NP_005955 | NP_001035202 |
| ## | A0.A12D.01TCGA | 1.2104251 | NA | -0.2334884 | 2.1019179 | -0.2296786 |
| ## | C8.A131.01TCGA | 2.5856557 | NA | -2.1787002 | 0.5131407 | -2.1382214 |
| ## | A0.A12B.01TCGA | -2.1619669 | NA | -3.1236683 | -0.6875428 | -3.1236683 |
| ## | BH.A18Q.02TCGA | -0.8952538 | NA | 0.6938026 | -0.8216554 | 0.6737303 |
| ## | C8.A130.02TCGA | 0.4997407 | NA | -1.9339220 | 0.2340713 | -1.9437616 |
| ## | C8.A138.03TCGA | 0.2782260 | NA | -1.6673720 | 1.3461107 | -1.6673720 |
| ## | | NP_001070654 | NP_079005 | NP_000250 | NP_878918 | NP_892006 |
| ## | A0.A12D.01TCGA | -0.88115407 | -0.88496386 | -0.15729241 | 1.55711676 | 0.3608401 |
| ## | C8.A131.01TCGA | -2.87898356 | -2.90327085 | 0.92197663 | 1.39153082 | 2.6342303 |
| ## | A0.A12B.01TCGA | -1.96519224 | -1.96519224 | -2.73289051 | -1.53284232 | -1.3083529 |
| ## | BH.A18Q.02TCGA | 0.25890291 | 0.26893905 | 0.03141694 | 0.07156152 | 0.6101680 |
| ## | C8.A130.02TCGA | -0.04799742 | -0.04143768 | 0.44726278 | 0.12255577 | -0.1529532 |

| | | | | | | |
|----|----------------|--------------|--------------|-------------|--------------|--------------|
| ## | C8.A138.03TCGA | 3.78176535 | 3.80370818 | -0.28863055 | 2.21650978 | 0.8926254 |
| ## | | NP_149062 | NP_001138722 | NP_003118 | NP_001123910 | NP_001182461 |
| ## | A0.A12D.01TCGA | 0.3608401 | NA | -0.43159788 | -0.44683707 | -0.3858803 |
| ## | C8.A131.01TCGA | 2.6342303 | NA | 0.08811316 | 0.08406528 | 0.1043047 |
| ## | A0.A12B.01TCGA | -1.3083529 | NA | -0.30507939 | -0.28845055 | -0.3050794 |
| ## | BH.A18Q.02TCGA | 0.6068226 | NA | -0.73467550 | -0.74471165 | -0.7815108 |
| ## | C8.A130.02TCGA | -0.1562331 | NA | -0.54653748 | -0.54653748 | -0.5465375 |
| ## | C8.A138.03TCGA | 0.7463398 | NA | 0.24896891 | 0.24165463 | 0.2416546 |
| ## | | NP_001243000 | NP_004406 | NP_689916 | NP_060124 | NP_443141 |
| ## | A0.A12D.01TCGA | -0.5344624 | 0.4789439 | 2.2543098 | 0.7875375 | -1.3269005 |
| ## | C8.A131.01TCGA | -1.7820078 | -1.6119968 | -0.3652495 | -0.8469473 | 3.1483111 |
| ## | A0.A12B.01TCGA | -1.1891796 | -0.9480613 | 0.7231374 | 0.9337694 | -1.5272994 |
| ## | BH.A18Q.02TCGA | 0.9580877 | -1.1863021 | 1.7576340 | 0.7372925 | 0.7372925 |
| ## | C8.A130.02TCGA | -0.8810841 | -1.5173787 | -0.5662167 | -1.2484294 | -0.2283902 |
| ## | C8.A138.03TCGA | 1.0462253 | -0.2228020 | 0.8560540 | -1.0566298 | NA |
| ## | | NP_008835 | NP_000375 | NP_001447 | NP_001157789 | NP_001448 |
| ## | A0.A12D.01TCGA | 0.64657500 | 1.90761819 | 1.1075606 | -0.4544567 | -0.4430273 |
| ## | C8.A131.01TCGA | -0.02117963 | 0.68315165 | 1.1567537 | -1.0452935 | -1.0412456 |
| ## | A0.A12B.01TCGA | -1.37486831 | -2.45020017 | -3.5089032 | 2.2557625 | 2.2585339 |
| ## | BH.A18Q.02TCGA | 0.58340495 | 0.01803541 | 0.6636941 | -2.5344909 | -2.5177640 |
| ## | C8.A130.02TCGA | 1.40498449 | 1.87728561 | -0.1562331 | -1.2877878 | -1.3041872 |
| ## | C8.A138.03TCGA | -0.61045879 | 0.30748314 | 1.3022250 | -0.5044018 | -0.5117160 |
| ## | | NP_001449 | NP_001120959 | NP_003119 | NP_842565 | NP_001020029 |
| ## | A0.A12D.01TCGA | 1.3551975 | 1.3551975 | -0.9802088 | -0.9916382 | -2.4965085 |
| ## | C8.A131.01TCGA | 0.9260245 | 0.9260245 | 0.3795606 | 0.4038479 | 4.6824580 |
| ## | A0.A12B.01TCGA | -1.8598762 | -1.8598762 | -0.6348848 | -0.6875428 | -0.8704601 |
| ## | BH.A18Q.02TCGA | -1.4673141 | -1.4673141 | -0.3466112 | -0.2997759 | -4.1938003 |
| ## | C8.A130.02TCGA | 0.1848733 | 0.1848733 | -0.6186946 | -0.6088550 | -3.1245144 |
| ## | C8.A138.03TCGA | 0.8450826 | 0.8341112 | -1.8758289 | -1.8977718 | -3.3021132 |
| ## | | NP_008877 | NP_000338 | NP_066022 | NP_001243415 | NP_004478 |
| ## | A0.A12D.01TCGA | 1.85047122 | -2.4965085 | -0.08109645 | 2.23907063 | 2.2162118 |
| ## | C8.A131.01TCGA | -0.62431388 | 4.6824580 | -0.30857917 | 0.34717754 | 0.3350339 |
| ## | A0.A12B.01TCGA | -0.08336148 | -0.8704601 | -0.66814247 | 0.09124137 | 0.0995558 |
| ## | BH.A18Q.02TCGA | -0.74136627 | -4.1938003 | 0.73394713 | -1.45727799 | -1.4438965 |
| ## | C8.A130.02TCGA | 0.21767196 | -3.1245144 | -0.51373879 | -0.36286483 | -0.3628648 |
| ## | C8.A138.03TCGA | 4.47296465 | -3.3021132 | 0.81582548 | 0.89628255 | 0.8999397 |
| ## | | NP_001243417 | NP_005742 | NP_671714 | NP_005520 | NP_004360 |
| ## | A0.A12D.01TCGA | 2.2047824 | 0.1703502 | 0.1970188 | 0.44465570 | -0.61827799 |
| ## | C8.A131.01TCGA | 0.3269381 | -1.0331499 | -1.0331499 | 1.20937618 | 1.90965958 |
| ## | A0.A12B.01TCGA | 0.0995558 | 0.5457631 | 0.5457631 | -1.54392821 | -2.98232316 |
| ## | BH.A18Q.02TCGA | -1.4338603 | -0.9655069 | -0.9554707 | -1.06921369 | 0.07490691 |
| ## | C8.A130.02TCGA | -0.3661447 | -0.7630088 | -0.7597290 | 0.36198619 | 0.72933151 |
| ## | C8.A138.03TCGA | 0.9035968 | 0.3513688 | 0.3623402 | -0.02897366 | 0.32576883 |
| ## | | NP_476507 | NP_065816 | NP_006280 | NP_055874 | NP_113584 |
| ## | A0.A12D.01TCGA | -0.7287621 | 1.1189900 | 0.94373925 | -0.30587454 | 0.4713243 |
| ## | C8.A131.01TCGA | 1.6060685 | 0.8248275 | 1.35105201 | 0.28645932 | 0.2338369 |
| ## | A0.A12B.01TCGA | -3.2650135 | -1.2168943 | -0.99517639 | -1.18363661 | -1.9347060 |
| ## | BH.A18Q.02TCGA | 0.1652322 | 0.3659551 | 0.57336880 | -0.09905295 | -0.7179486 |
| ## | C8.A130.02TCGA | 0.7293315 | 0.1815934 | -0.15951296 | -0.29398758 | 0.7555705 |
| ## | C8.A138.03TCGA | 0.2855403 | 0.4135402 | 0.09171193 | 0.52325435 | 1.0754824 |
| ## | | NP_612482 | NP_006176 | NP_006258 | NP_055185 | NP_001137485 |
| ## | A0.A12D.01TCGA | 0.901831476 | -0.8087679 | 0.25416579 | 0.8027767 | -0.06966706 |
| ## | C8.A131.01TCGA | 0.302650848 | -1.1262511 | 0.40384787 | 1.1648495 | 0.31074661 |
| ## | A0.A12B.01TCGA | 1.022456596 | 0.9476268 | 0.03581190 | -0.1471054 | 0.03581190 |

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## BH.A18Q.02TCGA 0.078252288 -1.1963382 0.23213985 0.9313247 0.26893905
## C8.A130.02TCGA 0.004480487 2.2052725 0.34558685 2.1855933 0.38166541
## C8.A138.03TCGA 0.592739994 0.1282833 0.01125487 -0.4568589 0.10268335
## NP_005045 NP_872394 NP_001019628 NP_872634 NP_005029
## AO.A12D.01TCGA 0.33417155 -0.01252008 0.1246326 0.08653467 1.0199352
## C8.A131.01TCGA 0.27026780 0.29455509 0.4321830 0.04763435 0.6669601
## AO.A12B.01TCGA -0.06396116 0.03026895 0.0884699 1.20814534 -0.6709139
## BH.A18Q.02TCGA 0.02807156 0.20203142 0.1117061 -0.54733412 -0.4168642
## C8.A130.02TCGA 0.37182580 0.37182580 0.3816654 0.69981269 -0.7433296
## C8.A138.03TCGA 0.17582613 0.08439765 0.1282833 0.64028280 -0.3581162
## NP_003128 NP_005720 NP_004095 NP_002017 NP_997647
## AO.A12D.01TCGA 1.1113704 -1.42214540 1.0504136 1.5685462 1.5571168
## C8.A131.01TCGA 1.0150779 -2.06535950 -1.5391350 3.0875929 3.0592578
## AO.A12B.01TCGA -0.2357925 -0.06673264 -3.3259859 -2.5832309 -2.5666021
## BH.A18Q.02TCGA -0.1893783 -1.10601289 -3.9395513 -2.0995913 -2.0962459
## C8.A130.02TCGA 1.7788895 0.83428731 -0.1529532 0.6014166 0.5981368
## C8.A138.03TCGA -0.5812017 -0.39468758 -0.0509165 0.4830258 0.4830258
## NP_997639 NP_009055 NP_003997 NP_004005 NP_004007
## AO.A12D.01TCGA 1.4961600 1.7628459 1.0656528 -0.7820993 -1.8983702
## C8.A131.01TCGA 3.0430662 0.2297890 1.3105732 -0.3207228 -0.3207228
## AO.A12B.01TCGA -2.5915453 1.1083723 -2.7245761 -1.0367485 -0.9563758
## BH.A18Q.02TCGA -2.1230090 1.0551038 2.9519353 2.0286099 2.0687545
## C8.A130.02TCGA 0.5686179 -0.1431136 -0.8974835 -1.1073951 -0.7367699
## C8.A138.03TCGA 0.4976544 1.2327393 -1.1334297 -1.4223437 -1.4223437
## NP_001164655 NP_000055 NP_002323 NP_061027 NP_065872
## AO.A12D.01TCGA 3.0924654 0.44084590 1.1570880 2.3724136 0.1170131
## C8.A131.01TCGA 1.1567537 -0.07380208 1.0636525 0.7195826 0.1164483
## AO.A12B.01TCGA 0.6843368 -2.24788258 -2.6164886 0.0995558 0.2021003
## BH.A18Q.02TCGA 1.4866581 0.52987884 -0.5540249 -0.5540249 0.5098065
## C8.A130.02TCGA -0.1759123 0.62437570 0.3685459 1.1425950 -0.8778042
## C8.A138.03TCGA 1.3607392 -2.61457105 1.0279396 0.1721690 -0.1606307
## NP_006827 NP_003117 NP_612429 NP_003283 NP_054733
## AO.A12D.01TCGA 1.35519746 -2.530797 -0.75543073 0.26559518 0.1093935
## C8.A131.01TCGA 0.05977799 4.633883 1.14056220 -0.23571732 -0.1952385
## AO.A12B.01TCGA -1.44415515 -0.770687 -0.03347495 -0.29676497 -0.4963111
## BH.A18Q.02TCGA -0.06559913 -5.073636 -1.01903296 -0.12247062 0.6636941
## C8.A130.02TCGA -0.03159807 -4.187192 -1.04179768 0.31278816 0.8277276
## C8.A138.03TCGA 0.99868244 -3.686113 3.02473754 0.06611196 0.2635975
## NP_000468 NP_004361 NP_004850 NP_009029 NP_003861
## AO.A12D.01TCGA -1.58215693 2.4028920 -0.06966706 0.002719109 0.7608689
## C8.A131.01TCGA -0.15071182 2.3670701 -0.25595672 -0.490733814 0.8491148
## AO.A12B.01TCGA -2.18413868 -2.9019504 -0.02516053 -0.055646742 -1.1254357
## BH.A18Q.02TCGA 0.16188683 -2.0828644 -0.19941441 -0.403482700 0.5967865
## C8.A130.02TCGA 0.01759996 -0.2021513 -0.57933617 -0.772848434 -0.1103149
## C8.A138.03TCGA -1.47354363 1.7849674 0.91091110 1.112053756 0.1648547
## NP_006624 NP_839943 NP_002696 NP_002069 NP_001166184
## AO.A12D.01TCGA 2.7381542 0.1398718 1.3323387 3.70203313 3.70965272
## C8.A131.01TCGA 1.1203228 1.9622820 1.8084626 0.73577411 0.73577411
## AO.A12B.01TCGA -2.5000867 -1.5051276 -0.7512867 0.72868036 0.73145184
## BH.A18Q.02TCGA 0.7740917 1.2457906 2.1557344 0.06487076 0.07156152
## C8.A130.02TCGA -0.0184786 0.2209518 0.8802055 -0.78268804 -0.75972896
## C8.A138.03TCGA -0.4970875 0.2014261 4.8240500 1.57651043 1.52896762
## NP_114141 NP_001254479 NP_001091738 NP_596870 NP_663304
## AO.A12D.01TCGA 1.5228286 0.55133004 1.2180447 3.6677449 1.2675721

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A131.01TCGA | 0.4645661 | 1.38343506 | 0.4038479 | -0.7578940 | 1.3105732 |
| ## | A0.A12B.01TCGA | -1.1448360 | -1.54392821 | -0.3050794 | 0.8229105 | -0.2163922 |
| ## | BH.A18Q.02TCGA | -1.6847640 | -6.07055957 | 1.4230958 | -6.2144110 | 0.5867503 |
| ## | C8.A130.02TCGA | 0.3849453 | 0.08319734 | -0.2382298 | -0.3628648 | 0.3980648 |
| ## | C8.A138.03TCGA | 2.2494240 | 0.62199711 | -0.0326308 | 0.7353684 | 0.7097684 |
| ## | | NP_003179 | NP_001229542 | NP_001138668 | NP_001014364 | NP_003741 |
| ## | A0.A12D.01TCGA | 1.2637623 | NA | NA | NA | 0.2122580 |
| ## | C8.A131.01TCGA | 1.3105732 | NA | NA | NA | 0.5131407 |
| ## | A0.A12B.01TCGA | -0.3244797 | NA | NA | NA | -0.7291149 |
| ## | BH.A18Q.02TCGA | 0.5967865 | -0.8751815 | -0.8751815 | -9.047949 | -0.7012217 |
| ## | C8.A130.02TCGA | 0.4210238 | -0.3464655 | -0.3464655 | -7.027558 | 1.0769976 |
| ## | C8.A138.03TCGA | 0.6987970 | NA | NA | NA | 0.6256542 |
| ## | | NP_003080 | NP_002895 | NP_067051 | NP_078873 | NP_001166987 |
| ## | A0.A12D.01TCGA | 0.04462689 | -0.29825495 | 0.3913185 | 3.2677161 | 3.2677161 |
| ## | C8.A131.01TCGA | 0.14883137 | -0.64050541 | -0.7093194 | 0.8531627 | 0.8531627 |
| ## | A0.A12B.01TCGA | -0.16373422 | -0.09999032 | 0.6011926 | -0.8898604 | -0.8898604 |
| ## | BH.A18Q.02TCGA | -0.67780401 | -0.50718954 | 0.5466057 | 0.1919953 | 0.1919953 |
| ## | C8.A130.02TCGA | 0.82444770 | 0.54237898 | 0.7719698 | -0.4153427 | -0.4153427 |
| ## | C8.A138.03TCGA | 0.50862579 | 0.22702608 | 0.1319405 | -0.2008592 | -0.2008592 |
| ## | | NP_065700 | NP_055107 | NP_002151 | NP_061978 | NP_006436 |
| ## | A0.A12D.01TCGA | -1.018307 | -1.0144970 | 1.6523617 | -2.1269581 | 0.2274972 |
| ## | C8.A131.01TCGA | -1.122203 | -0.2640525 | 2.8163849 | -2.1948917 | -0.2640525 |
| ## | A0.A12B.01TCGA | -1.022891 | -1.2944956 | -3.1153539 | -2.3476556 | -1.2556949 |
| ## | BH.A18Q.02TCGA | 1.045068 | 11.0711771 | 5.0896343 | 0.5599873 | 0.6737303 |
| ## | C8.A130.02TCGA | 1.158994 | 2.6972528 | 0.5390991 | -0.1660727 | 1.0245197 |
| ## | C8.A138.03TCGA | 1.689882 | -0.7457729 | -0.5702303 | -1.4442865 | 0.4939972 |
| ## | | NP_001186211 | NP_056493 | NP_004230 | NP_510880 | NP_004516 |
| ## | A0.A12D.01TCGA | 0.3532205 | -0.8582953 | 1.0504136 | 4.34969881 | -2.366975 |
| ## | C8.A131.01TCGA | -2.0653595 | -2.1625086 | 0.2905072 | 0.71553470 | -1.421746 |
| ## | A0.A12B.01TCGA | -0.4381101 | 0.7009656 | 0.7175945 | -0.52679730 | 5.362585 |
| ## | BH.A18Q.02TCGA | -2.4709287 | -2.3070050 | -1.3636073 | 0.03476232 | -3.641812 |
| ## | C8.A130.02TCGA | -1.0549172 | -0.7859679 | 1.1786735 | -0.01847860 | -3.377064 |
| ## | C8.A138.03TCGA | 0.7536541 | 4.1657650 | 0.8487397 | -0.76771577 | -3.470342 |
| ## | | NP_579899 | NP_038479 | NP_001124459 | NP_001124453 | NP_001229752 |
| ## | A0.A12D.01TCGA | -0.2411080 | -0.2068198 | 0.14749144 | 0.1474914 | -0.06204746 |
| ## | C8.A131.01TCGA | 0.8814978 | 0.8895936 | 4.01050978 | 4.0105098 | -0.53526050 |
| ## | A0.A12B.01TCGA | -2.8492924 | -2.8714642 | -1.02566260 | -1.0256626 | -0.28290760 |
| ## | BH.A18Q.02TCGA | -1.6044748 | -1.6044748 | -0.10239833 | -0.1023983 | 0.08159767 |
| ## | C8.A130.02TCGA | -1.1205145 | -1.1205145 | -0.42846220 | -0.4973395 | 1.71001230 |
| ## | C8.A138.03TCGA | 1.2839393 | 1.2766250 | -0.05823078 | -0.1423450 | -0.14965926 |
| ## | | NP_001002029 | NP_009224 | NP_000543 | NP_057336 | NP_005551 |
| ## | A0.A12D.01TCGA | -0.07728665 | -0.1191944 | -0.7630503 | 1.3247191 | -0.8240071 |
| ## | C8.A131.01TCGA | -0.53526050 | -0.6081224 | 1.6020206 | 0.4807576 | -0.5271647 |
| ## | A0.A12B.01TCGA | -0.29676497 | -0.2912220 | -2.1647384 | -0.5572835 | -0.4436531 |
| ## | BH.A18Q.02TCGA | 0.10501534 | 0.1317784 | -0.1325068 | -0.8484185 | -0.1023983 |
| ## | C8.A130.02TCGA | 1.71001230 | 1.7592103 | -0.2218305 | 0.4931809 | 0.1684739 |
| ## | C8.A138.03TCGA | -0.18257351 | -0.1386878 | -0.9066871 | 1.1669108 | -0.9542299 |
| ## | | NP_937762 | NP_004437 | NP_005900 | NP_002364 | NP_055987 |
| ## | A0.A12D.01TCGA | -1.3688082 | 1.33995826 | -3.1251252 | 0.1779698 | 1.4771110 |
| ## | C8.A131.01TCGA | -1.5715180 | -0.03332327 | 0.6750559 | 1.7032176 | 0.6386250 |
| ## | A0.A12B.01TCGA | -0.6847713 | 0.32681665 | -2.3033121 | -2.1314807 | -0.3106223 |
| ## | BH.A18Q.02TCGA | 0.9045616 | -0.20945055 | -1.1327759 | -1.0825952 | -0.2562859 |
| ## | C8.A130.02TCGA | -0.6711725 | 0.39478488 | 2.5660581 | 0.7555705 | 0.5030206 |
| ## | C8.A138.03TCGA | 2.2238241 | -0.24474488 | 5.7310205 | 2.7943378 | 0.7755970 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_542417 | NP_037450 | NP_001264 | NP_001005271 | NP_056372 |
| ## | AO.A12D.01TCGA | 0.65800439 | 0.6008574 | -0.1458630 | -0.2982549 | -0.206819790 |
| ## | C8.A131.01TCGA | 0.29050720 | 0.5414758 | -0.2802440 | -0.2600046 | -0.563595671 |
| ## | AO.A12B.01TCGA | 0.02749747 | 0.4515330 | -1.2224372 | -0.2607358 | -0.864917114 |
| ## | BH.A18Q.02TCGA | -0.57744256 | -1.0056514 | 0.2488668 | -0.7012217 | 0.456280438 |
| ## | C8.A130.02TCGA | 1.14259498 | -0.4383018 | 0.9654821 | 0.8113282 | 1.080277475 |
| ## | C8.A138.03TCGA | 0.81582548 | 0.4574258 | 0.2233689 | 0.4647401 | 0.003940589 |
| ## | | NP_001034679 | NP_004645 | NP_001008938 | NP_005091 | NP_942133 |
| ## | AO.A12D.01TCGA | 0.2427364 | 0.07510527 | 0.15130124 | 0.6770534 | -0.6068486 |
| ## | C8.A131.01TCGA | 0.7762529 | 0.82887537 | 0.15287925 | -2.0936947 | -0.4502550 |
| ## | AO.A12B.01TCGA | -0.6487422 | -0.65428510 | -0.01961758 | -2.1065374 | 0.0358119 |
| ## | BH.A18Q.02TCGA | -0.3834104 | -0.29977586 | -0.44362728 | -0.2663220 | -2.1363905 |
| ## | C8.A130.02TCGA | 0.9064444 | 0.80476849 | 0.65717439 | -0.2447895 | 2.0347193 |
| ## | C8.A138.03TCGA | 0.8085112 | 0.93285394 | 0.57079716 | 1.1339966 | -0.2959448 |
| ## | | NP_001084 | NP_004332 | NP_002449 | XP_003960896 | XP_003960532 |
| ## | AO.A12D.01TCGA | -0.7973385 | 0.03319749 | -5.411004 | -6.161534 | NA |
| ## | C8.A131.01TCGA | -0.9805274 | 0.42408728 | -3.465926 | -3.660225 | NA |
| ## | AO.A12B.01TCGA | -0.1360195 | -0.62379889 | -3.758336 | -4.041026 | NA |
| ## | BH.A18Q.02TCGA | -1.9222861 | -0.57744256 | -5.515226 | -6.468660 | NA |
| ## | C8.A130.02TCGA | 1.2901891 | -0.48421997 | -6.174792 | -6.256789 | NA |
| ## | C8.A138.03TCGA | -0.1057736 | -0.25571629 | 5.657878 | 6.049192 | 4.611936 |
| ## | | NP_203754 | NP_001979 | NP_001138599 | NP_001072989 | NP_001072990 |
| ## | AO.A12D.01TCGA | 1.2485231 | -1.09069296 | -0.6068486 | 0.8103963 | 0.8180159 |
| ## | C8.A131.01TCGA | 0.7883966 | 0.09216104 | -0.3531059 | 0.8612584 | 0.8491148 |
| ## | AO.A12B.01TCGA | 0.2519869 | 0.30464486 | 0.2907875 | -0.1803631 | -0.1997634 |
| ## | BH.A18Q.02TCGA | -1.6212017 | -1.36695268 | -1.1127037 | -2.1631536 | -2.1865712 |
| ## | C8.A130.02TCGA | 0.8014886 | 0.89004508 | 0.5292595 | 0.6768536 | 0.6768536 |
| ## | C8.A138.03TCGA | 0.1026833 | 3.85856527 | 4.1291936 | 1.4558248 | 1.4741105 |
| ## | | NP_000005 | NP_002855 | NP_573566 | NP_057427 | NP_003364 |
| ## | AO.A12D.01TCGA | -2.1002895 | -1.62406471 | 0.9170707 | 0.4903733 | 1.5533070 |
| ## | C8.A131.01TCGA | 1.1000834 | 0.50909278 | 0.5779068 | 0.7641093 | 0.9300724 |
| ## | AO.A12B.01TCGA | -1.5245279 | -1.81553265 | 0.4820192 | -1.1088068 | -1.4386122 |
| ## | BH.A18Q.02TCGA | -0.1759967 | -0.09570757 | -0.6042056 | -0.1793421 | 0.4663166 |
| ## | C8.A130.02TCGA | -1.6485734 | -1.65513316 | 1.3065884 | 0.1061564 | 0.2603103 |
| ## | C8.A138.03TCGA | -1.9453146 | -2.16108580 | -1.1151440 | -0.4093161 | 0.8121683 |
| ## | | NP_056083 | NP_001123476 | NP_001093 | NP_004915 | NP_001265272 |
| ## | AO.A12D.01TCGA | 1.5380678 | 0.80658652 | 0.7799179 | 1.0389842 | 1.1227998 |
| ## | C8.A131.01TCGA | 1.1972325 | 1.50891936 | 1.5129672 | 0.2459805 | 1.1122270 |
| ## | AO.A12B.01TCGA | -0.3327941 | -1.66587306 | -1.6353869 | -0.5489691 | -1.4413837 |
| ## | BH.A18Q.02TCGA | 0.2421760 | 1.11197528 | 1.1655014 | 1.2056460 | 1.1487745 |
| ## | C8.A130.02TCGA | -0.1660727 | -0.09391558 | -0.0709565 | -0.6875718 | -0.3595850 |
| ## | C8.A138.03TCGA | 0.1538833 | 1.03159669 | 1.0498824 | 0.6366257 | 0.8414255 |
| ## | | NP_001095 | NP_055426 | NP_062536 | NP_009131 | NP_001257475 |
| ## | AO.A12D.01TCGA | 0.6351456 | 0.5132321 | 1.30567008 | -0.01252008 | 0.06367588 |
| ## | C8.A131.01TCGA | 1.0919876 | -0.3490580 | 1.10008339 | 0.62648132 | 0.36741694 |
| ## | AO.A12B.01TCGA | -1.5494712 | -1.5245279 | -1.01180523 | -0.95083280 | -0.95914723 |
| ## | BH.A18Q.02TCGA | 2.0018469 | 1.2190275 | 0.13177840 | 0.24886676 | 0.25555753 |
| ## | C8.A130.02TCGA | -0.1824720 | -0.7925276 | -0.04799742 | 0.46366213 | 0.43086344 |
| ## | C8.A138.03TCGA | 0.7609684 | -0.1167450 | 1.23639649 | -0.16063067 | -0.13503070 |
| ## | | NP_001231509 | NP_003557 | NP_055710 | NP_115645 | NP_055872 |
| ## | AO.A12D.01TCGA | -0.2944451 | 0.162730632 | 4.0296758 | -0.3630215 | 1.2523329 |
| ## | C8.A131.01TCGA | -0.2721482 | -0.009035984 | 0.2095496 | -0.9319528 | 1.2336635 |
| ## | AO.A12B.01TCGA | -1.0727777 | -0.618255939 | -0.4297957 | -2.6636037 | -1.7268455 |
| ## | BH.A18Q.02TCGA | 0.4562804 | -0.206105170 | -1.5476033 | -2.0929005 | 1.6706541 |


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## C8.A130.02TCGA    0.1422350  1.549298723  0.2373512  1.4443429 -0.4874998
## C8.A138.03TCGA    0.5927400  0.918225380  1.0352538      NA  1.1595966
##      NP_004362 NP_001091868  NP_006297  NP_004990  NP_056234
## A0.A12D.01TCGA    1.4809208    1.4656816 -0.5839898 -0.3706411  2.5171859
## C8.A131.01TCGA    0.9665033    0.9624554 -0.3935847 -1.6119968  3.2171251
## A0.A12B.01TCGA    0.1882430    0.1882430  0.1799285 -0.6321133 -2.2395682
## BH.A18Q.02TCGA   -0.2462498   -0.2462498  0.7239110 -1.2966997 -1.2130651
## C8.A130.02TCGA    0.4407030    0.4341433  0.6932529  1.8576064  0.7555705
## C8.A138.03TCGA    1.2912536    1.2839393  0.5415400  1.6130818  1.6313675
##      NP_056110 NP_001243194 NP_001243193  NP_006022  NP_000129
## A0.A12D.01TCGA   -0.13824342  0.67705338  0.61609661  0.1170131  0.1779698
## C8.A131.01TCGA    0.07596952  0.63052920  0.53338006  0.2095496  0.6467207
## A0.A12B.01TCGA   -0.32447971  0.70096563  0.68710826  0.8450823 -2.6275745
## BH.A18Q.02TCGA    0.93132466 -0.02545455 -0.09570757 -0.3834104 -2.0995913
## C8.A130.02TCGA    0.42758357 -0.74004975 -0.73349001  0.4374232 -0.1463935
## C8.A138.03TCGA    0.83411118 -1.06394405 -1.11880114  0.8267969  1.0023396
##      NP_001990  NP_000928  NP_940980  NP_068506  NP_003165
## A0.A12D.01TCGA    1.7399871  0.208448210  0.35322054  0.1017739  0.03319749
## C8.A131.01TCGA    0.7438699 -0.004988103  1.02722153  0.8329233  0.83292325
## A0.A12B.01TCGA   -1.9679637  0.030268948  0.01086863 -1.0644632 -0.95083280
## BH.A18Q.02TCGA   -1.3167719  0.402754328  1.94832075  0.9480516  0.98150539
## C8.A130.02TCGA   -0.1562331  1.024519704 -1.21563073 -0.2611889 -0.26446876
## C8.A138.03TCGA   -1.1956011 -0.072859334 -1.26874384  1.5399390  1.54725332
##      NP_001059  NP_001058  NP_066933  NP_005436  NP_066267
## A0.A12D.01TCGA    0.9780274 -1.34213964 -1.9898053 -0.5420820 -1.4945316
## C8.A131.01TCGA    0.4686140 -0.03737115 -6.2387247 -0.3531059 -0.2721482
## A0.A12B.01TCGA   -1.8903624 -2.64697482 -5.0664715  0.1078702  1.4991501
## BH.A18Q.02TCGA    0.5800596 -0.59751485  0.8175817  0.2856660 -0.2663220
## C8.A130.02TCGA    0.3291875  1.04091905  2.2052725  0.5030206 -0.1529532
## C8.A138.03TCGA    2.7760521  4.10725073 -3.4301131  0.3477117 -0.7640586
##      NP_001191333 NP_001191332  NP_000028  NP_065210  NP_001139
## A0.A12D.01TCGA   -1.5250100  -1.5250100 -2.6679494 -2.6869984 -1.6164451
## C8.A131.01TCGA   -0.2478610  -0.2478610  4.1926644  4.1926644 -0.4785902
## A0.A12B.01TCGA    1.4991501  1.4991501 -0.7457437 -0.7457437  0.2686157
## BH.A18Q.02TCGA   -0.2429044  -0.2429044 -3.7823184 -3.7555553  0.8711078
## C8.A130.02TCGA   -0.1759123  -0.1759123 -3.6853720 -3.6886519 -0.2579090
## C8.A138.03TCGA   -0.7677158  -0.7677158 -3.1777705 -3.2655418 -0.7823443
##      NP_066187  NP_001140  NP_055458  NP_733821  NP_733822
## A0.A12D.01TCGA   -1.5516785 -1.45262379  0.20082861  0.341791145  0.322742155
## C8.A131.01TCGA   -0.3854889  0.01120342  1.11627491 -0.365249505 -0.328818577
## A0.A12B.01TCGA    0.4681618  1.34394756 -0.01961758  0.046897791  0.038583370
## BH.A18Q.02TCGA    0.9380154  0.20537680 -1.06252293  1.128702192  1.175537538
## C8.A130.02TCGA   -0.2939876 -0.24478955 -0.18575191 -0.261188891 -0.244789547
## C8.A138.03TCGA   -0.8042872 -0.81525858  0.05879768 -0.007030829  0.007597728
##      NP_005563  NP_116126  NP_005564  NP_001185486  NP_009049
## A0.A12D.01TCGA    0.20463841 -1.0564048 -0.89639326  -0.8544855 -0.6144682
## C8.A131.01TCGA   -0.38548891 -0.3207228 -0.40572832  -0.4300156 -0.2842919
## A0.A12B.01TCGA    0.03858337 -0.2357925  0.37670318  0.4210468 -0.4852252
## BH.A18Q.02TCGA    1.03503150  0.4295174  0.57336880  0.2421760 -0.7815108
## C8.A130.02TCGA   -0.26446876  0.1717538 -0.03159807  -0.1135948  0.1750337
## C8.A138.03TCGA    0.02954056 -0.8372014  0.64028280  0.5854257  1.0791395
##      NP_001019831 NP_008995  NP_001135452  NP_444253  NP_444254
## A0.A12D.01TCGA    0.20844821  0.7608689  0.002719109  2.03334153  2.01048274
## C8.A131.01TCGA   -0.62836177 -1.3205494  0.379560586  0.08811316  0.08811316

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## A0.A12B.01TCGA -0.74020079 0.4459900 -0.130476537 -2.04833646 -2.04833646
## BH.A18Q.02TCGA 0.05148923 -0.2362136 -1.571020969 1.11197528 1.13204757
## C8.A130.02TCGA -0.01847860 -0.9073231 -0.211990858 -0.79580752 -0.78268804
## C8.A138.03TCGA 1.75571025 0.5086258 0.600054273 1.21079651 1.21079651
## NP_444259 NP_004949 NP_005723 NP_000867 NP_001054
## A0.A12D.01TCGA 1.6523617 0.12082285 0.32274215 1.99143375 -1.6354941
## C8.A131.01TCGA -1.3084058 0.01929918 -0.93600072 1.16484949 -1.5998532
## A0.A12B.01TCGA -1.8238471 0.45430445 0.95316975 -1.15869335 -2.3781419
## BH.A18Q.02TCGA 3.2128751 -0.44028190 -0.01876379 -0.04887222 -0.3733743
## C8.A130.02TCGA -1.8814441 -0.56293683 1.49354095 -0.72037053 0.4669420
## C8.A138.03TCGA -0.3215448 -0.10943073 0.85605401 0.40988304 -1.9745717
## NP_002283 NP_031382 NP_000019 NP_060024 NP_001193937
## A0.A12D.01TCGA -1.2888025 -0.3477823 -1.1097420 1.75141647 0.0255779
## C8.A131.01TCGA -1.7739121 -2.5592010 -2.1422692 -0.17095122 -0.3045313
## A0.A12B.01TCGA -0.5184829 -2.6442033 -2.3781419 -0.89540333 1.5906087
## BH.A18Q.02TCGA 0.7640556 1.7710155 -1.4004065 2.17580671 -0.1224706
## C8.A130.02TCGA -0.3497454 -1.0647568 -0.6646128 0.06351813 -1.9503214
## C8.A138.03TCGA -1.3382295 0.3733116 6.2795914 0.96576819 -1.6161721
## NP_001035089 NP_002284 NP_006050 NP_996744 NP_006274
## A0.A12D.01TCGA 0.04081709 -0.98020882 0.3989381 -0.6220878 1.5456874
## C8.A131.01TCGA -0.31667493 1.29438167 -0.4138241 0.2135975 1.3267647
## A0.A12B.01TCGA 1.62663790 -1.26955230 -1.2307517 2.9236877 -1.8266185
## BH.A18Q.02TCGA -0.10574371 -0.09905295 1.4532042 -2.6816877 0.2555575
## C8.A130.02TCGA -1.96672070 -0.11359479 1.0507587 0.6145361 -0.9237224
## C8.A138.03TCGA -1.59057209 -1.28702954 -0.1935449 0.5598257 1.4302249
## NP_852118 NP_055490 NP_001098677 NP_009057 NP_000457
## A0.A12D.01TCGA 0.4065577 -0.8201973 -0.9306814 0.8904021 1.0580332
## C8.A131.01TCGA -0.5838351 -0.3045313 1.4805842 -0.5797872 -0.6243139
## A0.A12B.01TCGA 0.9199121 0.5041910 -1.4469266 0.6122785 0.2187292
## BH.A18Q.02TCGA -0.9253623 -0.7948924 -0.1525791 0.1886499 -1.4070973
## C8.A130.02TCGA -1.2681086 0.1750337 -0.1693526 -0.6383738 0.4210238
## C8.A138.03TCGA 0.3550259 -0.2813163 -0.7604015 0.9803967 1.7483960
## NP_006787 NP_002524 NP_000278 NP_112593 NP_065871
## A0.A12D.01TCGA 1.3475779 -0.7630503 0.72658076 1.3894856 -1.9250388
## C8.A131.01TCGA -0.1345203 -0.4988296 -0.6243138 -1.2193524 -1.0938681
## A0.A12B.01TCGA -2.0926800 -0.1859060 0.66216499 1.8178696 3.3892953
## BH.A18Q.02TCGA -0.3165028 -2.1631536 -1.52753100 0.4897343 -0.3332297
## C8.A130.02TCGA -1.5698566 -0.5170187 0.06351813 -0.6482134 2.7070924
## C8.A138.03TCGA 2.9735376 -1.2102296 1.19982510 0.9365111 -1.6746863
## NP_006819 NP_071374 NP_683692 NP_612378 NP_005327
## A0.A12D.01TCGA 1.6561715 1.5647364 -0.004900488 -0.4658861 1.8085634
## C8.A131.01TCGA 0.7722050 1.7639359 0.407895752 -0.7012236 1.5493982
## A0.A12B.01TCGA -0.4935396 -2.0732797 -0.216392227 0.2298151 -0.0390179
## BH.A18Q.02TCGA 0.9714692 1.2290636 -0.490462628 -0.4202096 -0.5774426
## C8.A130.02TCGA -0.1037552 0.1061564 0.762130195 0.4603823 0.2373512
## C8.A138.03TCGA 0.4501116 0.6256542 0.409883036 0.7975398 0.2928546
## NP_001230829 NP_056197 NP_115927 NP_001258898 NP_001017963
## A0.A12D.01TCGA 1.85809081 -0.1839610 5.1535662 0.85230410 0.9704078
## C8.A131.01TCGA 1.55344605 0.9422160 -0.5554999 0.05168223 -0.3733453
## A0.A12B.01TCGA -0.04733232 -0.5766838 -2.6386604 0.40164645 0.2852445
## BH.A18Q.02TCGA -0.56740641 -0.7346755 2.9720076 -0.51053492 -0.3599927
## C8.A130.02TCGA 0.18815314 1.7985688 1.6444149 0.57189780 0.7424510
## C8.A138.03TCGA 0.32576883 1.1339966 4.4583361 0.15388329 1.3497678
## NP_003290 NP_057376 NP_001615 NP_001092693 NP_002408

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## A0.A12D.01TCGA 1.69426949 0.09796406 -3.540393 -0.5611310 -0.6258976
## C8.A131.01TCGA 0.38360847 -0.74170243 -3.700703 -1.1788736 1.7436965
## A0.A12B.01TCGA 0.80351016 1.81232665 -4.246115 1.4021485 -1.5078991
## BH.A18Q.02TCGA 1.67734482 0.79750939 -1.671382 -0.8015831 -1.4639688
## C8.A130.02TCGA -0.72693027 0.87036587 6.925004 -1.1795522 1.8838453
## C8.A138.03TCGA 0.01125487 0.23799750 -2.040400 1.6386818 0.7390256
## NP_055873 NP_001009814 NP_002263 NP_003371 NP_872313
## A0.A12D.01TCGA 1.389485641 1.73998707 -2.0774307 -0.09252584 -1.1783183
## C8.A131.01TCGA -0.000940222 0.03144283 -1.1748257 1.41986598 -0.5109732
## A0.A12B.01TCGA 2.552310175 2.57171049 0.5651634 -2.35597006 0.5928781
## BH.A18Q.02TCGA -1.912249919 -2.05610134 -0.7447116 0.07490691 -0.4804265
## C8.A130.02TCGA -1.291067715 -1.52393840 -1.8716045 -0.02175846 -2.2356699
## C8.A138.03TCGA 0.815825483 0.74999698 1.6130818 -0.24474488 0.3147974
## NP_778253 NP_006112 NP_005373 NP_000414 NP_006253 NP_006149
## A0.A12D.01TCGA -2.519367 -2.2374422 -1.4602434 -2.4736497 -1.4411944 0.4560851
## C8.A131.01TCGA -1.567470 -0.9400486 -0.6405054 1.7113134 1.3955787 2.2132506
## A0.A12B.01TCGA -2.040022 -0.7429723 -3.6862775 -3.9911396 -2.1065374 -3.2650135
## BH.A18Q.02TCGA -2.795431 -0.9889245 3.4102526 1.8245416 0.2756298 -0.3332297
## C8.A130.02TCGA -3.783768 -2.5505374 -0.1726324 -3.4689006 -0.4907797 -0.2546292
## C8.A138.03TCGA -4.000627 -0.5812017 -0.2447449 0.1429119 -0.3690876 -0.4678304
## NP_002275 NP_066554 NP_002272 NP_001243211 NP_476429
## A0.A12D.01TCGA -1.437385 0.5170419 -1.585967 -2.3441166 -4.1842491
## C8.A131.01TCGA 3.545003 2.1120536 4.063132 -1.1991130 -1.5634223
## A0.A12B.01TCGA -2.901950 -3.3564721 -2.965694 0.7979672 -4.0881412
## BH.A18Q.02TCGA 2.593979 -0.5406434 2.654196 -2.3471496 0.2823206
## C8.A130.02TCGA -2.278308 -0.3366259 -2.429182 -1.7830480 -0.5924556
## C8.A138.03TCGA -2.332971 -0.4495447 -2.468285 0.9657682 2.2384526
## NP_002046 NP_116116 NP_542785 NP_001099011 NP_057613
## A0.A12D.01TCGA -2.3479264 -1.4602434 2.2657392 -1.46024339 1.7628459
## C8.A131.01TCGA -1.6443799 0.3593212 0.7479178 -0.64050541 0.9624554
## A0.A12B.01TCGA 0.7065086 -3.6862775 -3.2677850 -3.68627752 -1.9956785
## BH.A18Q.02TCGA -0.5573703 3.5875579 3.1727305 3.42028877 -2.3571857
## C8.A130.02TCGA -1.3304261 -0.2546292 -0.8974835 -0.06767663 0.1356752
## C8.A138.03TCGA 2.4176524 -0.3508019 1.2546822 -0.25205915 1.0974252
## NP_778223 NP_005547 NP_149034 NP_258259 NP_778238 NP_775487
## A0.A12D.01TCGA -0.2753962 1.5990245 -4.1842491 -0.2753962 -2.397454 -2.3479264
## C8.A131.01TCGA 1.2943817 0.7479178 -1.4865125 -0.6931279 2.945917 -1.5634223
## A0.A12B.01TCGA -2.7107187 -3.7638788 -4.1546566 -2.7107187 -2.741205 -3.5172176
## BH.A18Q.02TCGA -1.2665912 0.6235495 0.2354852 -0.4804265 -1.607820 -1.2933543
## C8.A130.02TCGA -2.0651168 -0.5104589 -0.6678926 -1.1369139 -2.209431 -0.4612609
## C8.A138.03TCGA 0.4098830 2.1909098 2.6151380 0.9657682 0.409883 3.5147942
## NP_149022 NP_001918 NP_000415 NP_005546 NP_005545 NP_004684
## A0.A12D.01TCGA -1.646923 -3.9175632 -3.0565488 -2.2717304 -1.7916958 -1.665972
## C8.A131.01TCGA 4.370771 -0.6202660 0.6588644 1.5777333 1.8529892 1.306525
## A0.A12B.01TCGA -4.329259 -4.1380278 -4.1213989 -3.5144461 -2.8492924 -3.123668
## BH.A18Q.02TCGA 2.968662 -1.2364828 2.1824975 0.5800596 0.5800596 1.439823
## C8.A130.02TCGA -4.311827 -0.8417257 -2.6390938 -2.2586290 -2.2586290 -1.927362
## C8.A138.03TCGA -2.987599 -1.3711437 0.9438254 0.9511396 1.0352538 2.483481
## NP_787028 NP_001609 NP_001073867 NP_055816 NP_056069
## A0.A12D.01TCGA -2.755575 0.9361197 0.8599237 0.39893812 -1.0754538
## C8.A131.01TCGA 1.221520 -1.7779599 -0.4462071 -0.09808936 -0.9602880
## A0.A12B.01TCGA -4.121399 -0.7485152 -0.4214813 -0.18590601 3.0456325
## BH.A18Q.02TCGA 1.045068 0.3325013 -0.8015831 -0.63431405 -0.9822338
## C8.A130.02TCGA -1.835526 0.8211678 -0.4153427 0.44070305 -1.6420137

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## C8.A138.03TCGA 1.554568 -0.8847442 0.2818832 0.18314041 -0.7677158
## NP_006603 NP_008985 NP_004789 NP_065810 NP_002245
## A0.A12D.01TCGA -0.05061807 -0.5420820 -0.07728665 0.4751341 -0.03537887
## C8.A131.01TCGA 0.11644833 -0.2600046 -0.19928639 -0.4219198 -0.16690334
## A0.A12B.01TCGA -0.36605182 0.6649365 0.81736753 0.0358119 -0.67645689
## BH.A18Q.02TCGA -0.86514540 -1.4137880 -1.35022577 -1.7717439 -1.75501697
## C8.A130.02TCGA -0.10375519 -0.1988714 -0.60885499 -0.9598010 0.35870632
## C8.A138.03TCGA 0.94382535 1.9093101 2.13970986 1.3790249 1.96782432
## NP_001092763 NP_878905 NP_005541 NP_065867 NP_659464
## A0.A12D.01TCGA -1.1859379 -1.9517073 -1.5478687 -1.5478687 2.8181600
## C8.A131.01TCGA -1.5512786 0.1812144 -1.2517354 -1.2517354 0.2338369
## A0.A12B.01TCGA -1.5771859 -0.9452899 0.2159577 0.2159577 -0.8316594
## BH.A18Q.02TCGA -0.9086354 -0.1358522 -2.1731897 -0.9420892 -0.4369365
## C8.A130.02TCGA 0.5390991 -0.5629368 -0.5924556 -0.1693526 -1.3632248
## C8.A138.03TCGA -0.0509165 1.8544530 3.0064518 1.9166244 1.5911390
## NP_078980 NP_055889 NP_071396 NP_001099038 NP_001186795
## A0.A12D.01TCGA -0.2449178 0.41036751 -0.2639668 -0.2639668 -0.1953904
## C8.A131.01TCGA -1.0088626 0.44432668 -0.6566969 -0.6566969 -1.0979160
## A0.A12B.01TCGA 2.7379989 0.19101443 1.1804306 1.1804306 2.6936553
## BH.A18Q.02TCGA -2.1698443 -0.04552684 -0.9487799 -0.9755430 -2.1932620
## C8.A130.02TCGA -1.8125669 0.63421531 -1.2746684 -1.2910677 -1.8289662
## C8.A138.03TCGA 1.9531958 0.15022616 0.2526261 0.2599403 1.9385672
## NP_004312 NP_036442 NP_904325 NP_036565 NP_005886
## A0.A12D.01TCGA 0.41036751 -0.8621051 1.1570880 -0.16872181 0.87897269
## C8.A131.01TCGA 0.44432668 -0.1466639 1.1972325 0.09620892 0.01929918
## A0.A12B.01TCGA -0.36605182 -1.5827288 -0.3050794 -0.69585721 -0.21639223
## BH.A18Q.02TCGA -1.64127399 -1.1963382 -0.2362136 -0.25628590 -0.56406103
## C8.A130.02TCGA 2.86452614 0.5390991 0.9523626 0.88348534 0.11271616
## C8.A138.03TCGA -0.06188792 -0.0509165 0.2197118 0.81216834 1.53262476
## NP_003161 NP_003237 NP_003238 NP_002102 NP_006608
## A0.A12D.01TCGA 1.1304194 3.4315375 3.7972781 0.1665404 -2.9727333
## C8.A131.01TCGA -0.7214630 -1.7901036 -0.8428995 0.1690708 -1.2193524
## A0.A12B.01TCGA 0.3434455 -2.6386604 -3.9052240 0.2547583 -2.1536525
## BH.A18Q.02TCGA -0.2362136 -1.2933543 -1.3535711 -0.4202096 -1.4539326
## C8.A130.02TCGA 0.6014166 -0.5662167 0.1783135 0.2307914 -0.9138828
## C8.A138.03TCGA -1.2614296 2.7175378 3.2002802 0.3440545 -2.6291996
## NP_056986 NP_062535 NP_003248 NP_783297 NP_004136
## A0.A12D.01TCGA 0.5703790 -0.2601570 -0.2106296 -0.1953904 0.7494395
## C8.A131.01TCGA 0.3350339 0.7195826 0.4807576 0.5819546 1.7436965
## A0.A12B.01TCGA -0.6016271 -0.1969919 0.1605282 0.1355850 -2.0705083
## BH.A18Q.02TCGA -0.1626152 -1.1996836 -0.3332297 -0.3432658 0.8878347
## C8.A130.02TCGA 1.1557145 1.5492987 -0.7859679 -0.7630088 1.4017046
## C8.A138.03TCGA 0.7317113 0.8048541 1.0462253 1.1193680 0.2014261
## NP_008832 NP_001952 NP_001716 NP_004841 NP_005397
## A0.A12D.01TCGA 0.07129548 0.2351168 -2.626042 1.1266096 -0.2601570
## C8.A131.01TCGA 1.17294525 0.9988864 5.900870 0.5333801 1.3389084
## A0.A12B.01TCGA -1.48295579 -0.7180290 -1.308353 -0.4408816 -1.0173482
## BH.A18Q.02TCGA 0.17861374 -0.2696674 -3.066407 0.5767142 0.3258105
## C8.A130.02TCGA 0.07663760 1.4213838 -1.874884 0.2045525 -0.4055031
## C8.A138.03TCGA 0.07708337 -0.3654305 -1.250458 1.0498824 1.4960534
## NP_001181875 NP_886553 NP_937887 NP_937885 NP_001185730
## A0.A12D.01TCGA 1.7323675 1.7285577 1.7742753 1.7818949 0.4484655
## C8.A131.01TCGA 0.4443267 0.4564703 0.4726618 0.4564703 0.2540763
## A0.A12B.01TCGA -1.0395200 -1.0450629 -1.0395200 -1.0450629 0.1799285

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | BH.A18Q.02TCGA | -0.4302458 | -0.4402819 | -0.4235550 | -0.4235550 | -0.9989607 |
| ## | C8.A130.02TCGA | 0.8736457 | 0.8736457 | 0.8736457 | 0.8736457 | 1.0048405 |
| ## | C8.A138.03TCGA | 0.2160547 | 0.1977690 | 0.1977690 | 0.1977690 | -0.2703448 |
| ## | | NP_001263347 | NP_055681 | NP_056193 | NP_001511 | NP_072174 |
| ## | AO.A12D.01TCGA | 0.8142061 | 0.8256355 | 0.9742176 | -0.11157484 | 0.89040208 |
| ## | C8.A131.01TCGA | 0.1731187 | 0.1731187 | -0.3166749 | -0.29238765 | -0.27619613 |
| ## | AO.A12B.01TCGA | 0.9337694 | 0.9559412 | -0.3660518 | -0.58499825 | -1.31389588 |
| ## | BH.A18Q.02TCGA | -2.3638765 | -2.3839488 | -0.9052900 | -0.09905295 | 0.06487076 |
| ## | C8.A130.02TCGA | -1.5337780 | -1.5108189 | 0.2176720 | 0.65717439 | 0.06351813 |
| ## | C8.A138.03TCGA | 1.6496532 | 1.6789103 | 0.4427973 | 1.15228229 | 0.54885432 |
| ## | | NP_073585 | NP_056134 | NP_065821 | NP_002282 | NP_001193583 |
| ## | AO.A12D.01TCGA | 1.15708795 | -0.25253737 | -3.1746526 | -0.9878284 | 0.08272487 |
| ## | C8.A131.01TCGA | 1.53725453 | -0.02522751 | -1.4298422 | 2.3589744 | 0.27026780 |
| ## | AO.A12B.01TCGA | -1.58272885 | 0.75639510 | 0.1078702 | -1.9042198 | 0.37947466 |
| ## | BH.A18Q.02TCGA | -0.05556299 | 0.28232058 | -2.4240933 | -0.4770811 | 0.04145309 |
| ## | C8.A130.02TCGA | -0.72693027 | -0.19559151 | 0.7030926 | 0.3226278 | 0.19799275 |
| ## | C8.A138.03TCGA | 0.36965451 | 1.10108234 | 1.7922816 | -0.4751446 | 0.75731126 |
| ## | | NP_006303 | NP_006302 | NP_569707 | NP_570924 | NP_002841 |
| ## | AO.A12D.01TCGA | 0.12463265 | 0.09796406 | -1.1326007 | -0.20681979 | -0.20681979 |
| ## | C8.A131.01TCGA | 0.25812416 | -0.01308386 | -1.0412456 | -0.26810036 | -0.26810036 |
| ## | AO.A12B.01TCGA | 0.36838876 | 1.18874503 | 0.4764762 | -0.24133549 | -0.24133549 |
| ## | BH.A18Q.02TCGA | 0.05148923 | -0.06225375 | -0.7447116 | -0.78485623 | -0.75809318 |
| ## | C8.A130.02TCGA | 0.20127262 | 1.18523328 | 0.2537505 | 1.80512849 | 1.80184863 |
| ## | C8.A138.03TCGA | 0.79753979 | -0.27400199 | -1.1553725 | 0.01491201 | 0.01491201 |
| ## | | NP_002830 | NP_663780 | NP_056101 | NP_000417 | NP_001073291 |
| ## | AO.A12D.01TCGA | -0.02394948 | -3.273707 | -3.273707 | 0.2351168 | 0.2351168 |
| ## | C8.A131.01TCGA | -0.48668593 | -4.141922 | -4.044773 | -0.1709512 | -0.1709512 |
| ## | AO.A12B.01TCGA | -0.51293993 | -2.796634 | -2.796634 | -1.5078991 | -1.5078991 |
| ## | BH.A18Q.02TCGA | -0.66107710 | 3.400216 | 3.667847 | 1.6004010 | 1.6572725 |
| ## | C8.A130.02TCGA | 0.05367852 | -2.048717 | -2.137274 | 0.2176720 | 0.2012726 |
| ## | C8.A138.03TCGA | -0.47514464 | -3.002228 | -3.221656 | -0.8847442 | -0.8847442 |
| ## | | NP_005550 | NP_064505 | NP_064506 | NP_149072 | NP_055968 |
| ## | AO.A12D.01TCGA | -1.26975348 | 1.579975549 | 1.36662685 | 0.1665404 | -0.14586302 |
| ## | C8.A131.01TCGA | -0.03332327 | 1.124370676 | 1.19723253 | -0.5838351 | -0.04951479 |
| ## | AO.A12B.01TCGA | 0.22981507 | 0.005325683 | -0.66259952 | 0.2686157 | 0.71482300 |
| ## | BH.A18Q.02TCGA | 1.32273434 | -0.095707569 | -0.89190845 | -0.9922699 | 0.16523222 |
| ## | C8.A130.02TCGA | 0.36854593 | -0.894203583 | -0.49405958 | 1.8904051 | 0.57845754 |
| ## | C8.A138.03TCGA | -0.62508735 | 0.197768964 | 0.06245481 | 1.1559394 | 1.46313912 |
| ## | | NP_056121 | NP_006026 | NP_003598 | NP_055641 | NP_059995 |
| ## | AO.A12D.01TCGA | 0.28464417 | 0.4027479 | 1.1304194 | 1.1304194 | 2.0447709 |
| ## | C8.A131.01TCGA | 0.05977799 | 1.0798440 | 1.8732286 | 1.8732286 | 0.9705512 |
| ## | AO.A12B.01TCGA | 0.17715706 | 0.3351311 | -0.1055333 | -0.1055333 | 0.3933320 |
| ## | BH.A18Q.02TCGA | 0.28901134 | -0.9119807 | 0.1284330 | 0.1284330 | -0.2629767 |
| ## | C8.A130.02TCGA | 0.08319734 | 0.1914330 | -0.3694246 | -0.3694246 | -0.1267143 |
| ## | C8.A138.03TCGA | 0.28919744 | 1.1303395 | -0.2008592 | -0.1935449 | 0.3001689 |
| ## | | NP_001075031 | NP_055907 | XP_003960679 | XP_003960702 | XP_003960698 |
| ## | AO.A12D.01TCGA | -0.3401627 | 1.1685173 | 1.01993522 | 1.484730595 | 1.7399871 |
| ## | C8.A131.01TCGA | 1.0636525 | 0.2095496 | 0.61028980 | -0.000940222 | 1.1041313 |
| ## | AO.A12B.01TCGA | 0.1993289 | -0.8843174 | -0.83165943 | 4.118192915 | -1.3693254 |
| ## | BH.A18Q.02TCGA | -0.1391975 | 0.1853045 | -0.06225375 | -2.447511017 | -0.7982378 |
| ## | C8.A130.02TCGA | 0.8966048 | 0.9523626 | 0.89660482 | 1.418103968 | 1.0507587 |
| ## | C8.A138.03TCGA | 0.2014261 | 0.4866830 | 0.09536907 | NA | 1.3424535 |
| ## | | NP_056993 | NP_001157968 | NP_078789 | NP_006188 | NP_003461 |
| ## | AO.A12D.01TCGA | 1.7209381 | 0.15511104 | 1.4199640 | -1.9212290 | -0.8201973 |

```

## C8.A131.01TCGA 0.9503118 -0.02927539 -0.4462071 -1.8467739 -1.1464905
## A0.A12B.01TCGA 0.2325865 -3.48395993 0.7591666 1.8843850 0.1189561
## BH.A18Q.02TCGA -0.7112578 -8.48927066 -1.4606234 -2.7151416 0.3124290
## C8.A130.02TCGA -0.2644688 -0.48749984 -0.9827600 -1.7600890 1.7985688
## C8.A138.03TCGA 0.8304540 2.24576690 1.8288530 0.5963971 -0.1386878
## NP_000042 NP_705833 NP_055791 NP_000480 NP_612114
## A0.A12D.01TCGA 0.2884540 0.5589496 -0.09252584 -0.1534826 -0.1534826
## C8.A131.01TCGA 0.9584076 1.2498550 -0.21547791 -0.1385682 -0.1385682
## A0.A12B.01TCGA 0.4182753 -0.8178021 -1.23075167 -0.3411086 -0.3411086
## BH.A18Q.02TCGA 1.5167665 -0.3767196 0.05818000 -1.1026675 -1.1227398
## C8.A130.02TCGA -1.0844360 -0.4186226 1.68377335 0.8572464 0.8802055
## C8.A138.03TCGA 0.6037114 -0.6031445 -0.33617335 1.7410817 1.8032531
## NP_060473 NP_055928 NP_006466 NP_001129406 NP_001129407
## A0.A12D.01TCGA 0.1817796 0.6046672 -2.8012923 -2.88129810 -2.8927275
## C8.A131.01TCGA 0.8531627 0.5333801 -2.0167849 -2.11798195 -2.0086892
## A0.A12B.01TCGA 1.0224566 0.2353580 -3.3093571 -3.38141539 -3.4091301
## BH.A18Q.02TCGA 1.3060074 -0.2228321 1.0249954 1.02834074 1.0183046
## C8.A130.02TCGA -0.3103869 -0.4547012 1.2901891 1.22459170 1.2705099
## C8.A138.03TCGA 0.7829112 1.7374246 0.1355976 0.06976909 0.1538833
## NP_597677 NP_002366 NP_001102 NP_056655 NP_001234926
## A0.A12D.01TCGA -0.08490625 1.7476067 -0.2868256 -0.2982549 -0.77828951
## C8.A131.01TCGA 1.07984399 0.4929013 -0.9886232 -0.9724316 -0.85099522
## A0.A12B.01TCGA -0.26905023 -0.6847713 0.3462170 0.3240452 0.12172759
## BH.A18Q.02TCGA 0.40944509 -0.5774426 0.2522121 0.3425375 0.05483462
## C8.A130.02TCGA 0.54565885 -0.1693526 1.1622742 1.1393151 -1.15659309
## C8.A138.03TCGA 0.36599737 0.9657682 -0.4312590 -0.4020019 -0.34714477
## NP_937883 NP_115797 NP_001103132 NP_006411 NP_006412
## A0.A12D.01TCGA -0.77447972 1.2675721 0.7799179 0.177969824 0.6122868
## C8.A131.01TCGA -0.85099522 1.0231737 -0.1426161 -0.470494409 0.1690708
## A0.A12B.01TCGA 0.16607117 -1.1670078 -0.4408816 -0.166505697 -0.5046255
## BH.A18Q.02TCGA 0.04479847 0.6402764 -1.3100812 0.004653887 -1.4305149
## C8.A130.02TCGA -1.16643270 0.4177440 -0.1234344 -0.077516235 1.6214558
## C8.A138.03TCGA -0.32885908 0.3001689 1.6240532 2.413995299 1.1961680
## NP_004753 NP_059431 NP_004218 NP_037517 NP_002215
## A0.A12D.01TCGA -0.60684860 0.83706491 -0.08871605 -0.4735057 4.0182464
## C8.A131.01TCGA -0.09808936 0.29860297 0.29860297 -0.8428995 0.5333801
## A0.A12B.01TCGA -0.64042773 -0.29953644 -1.79058939 -2.1536525 -2.0261647
## BH.A18Q.02TCGA 0.54326037 -0.25963128 0.52318807 1.8178509 -0.7313301
## C8.A130.02TCGA 0.28654921 0.23407131 0.48662121 -0.1693526 -1.6256143
## C8.A138.03TCGA -0.28863055 0.02222628 -0.22280204 0.2782260 2.3115954
## NP_002214 NP_001161744 NP_002213 NP_149129 NP_149130
## A0.A12D.01TCGA -0.5763702 1.008506 1.008506 1.732367 1.7514165
## C8.A131.01TCGA 0.1164483 1.193185 1.193185 1.986569 2.0472875
## A0.A12B.01TCGA -2.5250300 -1.668645 -1.668645 -3.245613 -3.2428417
## BH.A18Q.02TCGA 0.6837664 -1.872105 -1.872105 -1.741635 -1.6881093
## C8.A130.02TCGA -1.8552052 -1.894564 -1.894564 0.342307 0.4243037
## C8.A138.03TCGA 1.4119392 0.120969 0.120969 2.487138 2.5858808
## NP_004333 NP_001124295 NP_001370 NP_056988 NP_002853
## A0.A12D.01TCGA 1.8276124 -0.05442786 -0.05442786 0.85992370 -2.0088543
## C8.A131.01TCGA 2.1241973 -0.79837276 -0.79837276 -0.02117963 -0.1588076
## A0.A12B.01TCGA -3.3481577 -1.40535452 -1.40535452 0.63999320 1.5933802
## BH.A18Q.02TCGA -1.6111656 0.72725637 0.67373026 -0.81496467 2.0051922
## C8.A130.02TCGA 0.4702219 2.11015630 2.12327578 0.27014986 -1.2484294
## C8.A138.03TCGA 2.4725095 0.15022616 0.12462618 -0.79331575 -0.5080589

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_002854 | NP_005600 | NP_001726 | NP_060918 | NP_001155971 |
| ## | AO.A12D.01TCGA | -1.5935863 | -1.54024915 | 0.7722983 | -0.20681979 | 0.006528907 |
| ## | C8.A131.01TCGA | 1.0272215 | 0.03953859 | 0.6224334 | -1.10196383 | 0.084065278 |
| ## | AO.A12B.01TCGA | 0.6205929 | 1.04462839 | -2.5776880 | -1.21689430 | -1.330524725 |
| ## | BH.A18Q.02TCGA | -1.9457037 | 1.64054562 | 0.1050153 | -0.32988430 | 0.054834615 |
| ## | C8.A130.02TCGA | -0.9270023 | -0.95980096 | 0.7916490 | -0.00535912 | 1.257390394 |
| ## | C8.A138.03TCGA | -1.0054298 | -0.07651647 | -1.7807433 | 0.27091175 | 0.625654247 |
| ## | | NP_055847 | NP_001093869 | NP_003881 | NP_001422 | NP_001186318 |
| ## | AO.A12D.01TCGA | 0.8256355 | 0.08653467 | -1.64692350 | -0.11538463 | -0.10014544 |
| ## | C8.A131.01TCGA | 0.6467207 | 0.27026780 | 1.56154182 | -0.30048341 | -0.29238765 |
| ## | AO.A12B.01TCGA | -0.9258895 | -1.54669969 | 0.03304042 | -0.34110855 | -0.25242139 |
| ## | BH.A18Q.02TCGA | 0.8042002 | 0.35926436 | 0.20872218 | 1.51007572 | 1.51007572 |
| ## | C8.A130.02TCGA | 0.5390991 | 0.67029387 | -3.01299887 | 0.47350173 | 0.49646082 |
| ## | C8.A138.03TCGA | 2.3371954 | 0.32211170 | -3.14119909 | 0.06611196 | 0.06611196 |
| ## | | NP_036439 | NP_001245258 | NP_001159477 | NP_818932 | NP_004428 |
| ## | AO.A12D.01TCGA | 1.48092080 | -0.48493506 | -2.0469523 | -0.4354077 | -2.0355229 |
| ## | C8.A131.01TCGA | 1.89346805 | -0.68098422 | 2.3265913 | -0.6647927 | 2.3670701 |
| ## | AO.A12B.01TCGA | 1.47143536 | -0.08059001 | -0.3078509 | -0.2524214 | -0.2967650 |
| ## | BH.A18Q.02TCGA | -0.00872764 | 1.54018416 | -0.1492337 | 1.6639633 | -0.1525791 |
| ## | C8.A130.02TCGA | -0.22511033 | -1.09427558 | -1.2779482 | -1.1500334 | -1.2156307 |
| ## | C8.A138.03TCGA | -0.41663041 | 0.67319706 | -0.9542299 | 0.6512542 | -0.9542299 |
| ## | | NP_001245259 | NP_001258928 | NP_212132 | NP_982272 | NP_065863 |
| ## | AO.A12D.01TCGA | -0.5268428 | -0.22967858 | -0.22967858 | 0.5132321 | 1.2790015 |
| ## | C8.A131.01TCGA | -0.7012236 | 0.21359747 | 0.21359747 | 1.0474609 | 0.9503118 |
| ## | AO.A12B.01TCGA | -0.1748201 | 0.02472600 | 0.02472600 | -1.7711891 | -0.8870889 |
| ## | BH.A18Q.02TCGA | 1.5468749 | 0.65365797 | 0.65365797 | 1.6004010 | -0.6744586 |
| ## | C8.A130.02TCGA | -1.1565931 | -0.08079610 | -0.08079610 | -0.6022953 | 0.5850173 |
| ## | C8.A138.03TCGA | 0.6256542 | -0.00337369 | -0.00337369 | -0.8701157 | 2.3225668 |
| ## | | NP_005517 | NP_004497 | NP_001035757 | NP_004512 | NP_004513 |
| ## | AO.A12D.01TCGA | 0.2770246 | -0.2182492 | -2.19934423 | 0.1093935 | -0.004900488 |
| ## | C8.A131.01TCGA | 0.8936415 | 0.8005402 | -0.21143003 | 0.2621720 | 0.181214420 |
| ## | AO.A12B.01TCGA | -0.6043986 | -1.6492442 | -3.23175580 | 0.5125054 | 0.498648033 |
| ## | BH.A18Q.02TCGA | 0.6135134 | -0.1291614 | 2.67761399 | -0.1291614 | -0.222832080 |
| ## | C8.A130.02TCGA | -1.0417977 | 0.1225558 | 0.05039865 | -0.1627928 | -0.375984302 |
| ## | C8.A138.03TCGA | -0.8481728 | -0.2447449 | -0.31423052 | 1.3058821 | 0.867025432 |
| ## | | NP_004975 | NP_002145 | NP_006635 | NP_055093 | NP_005349 |
| ## | AO.A12D.01TCGA | 0.04081709 | 0.4560851 | 2.0981081 | -2.5765142 | 1.8695202 |
| ## | C8.A131.01TCGA | 0.11240044 | -1.0533893 | 0.8207796 | -1.3165015 | 3.1361675 |
| ## | AO.A12B.01TCGA | 0.47924772 | 1.9564433 | -0.8150306 | 0.1383564 | 0.4764762 |
| ## | BH.A18Q.02TCGA | -0.11577986 | -1.2264466 | -1.5743664 | -0.1325068 | 1.0684853 |
| ## | C8.A130.02TCGA | -0.28742784 | -0.7138108 | -0.5727764 | -2.0027993 | -0.6219745 |
| ## | C8.A138.03TCGA | 1.23639649 | 0.5232543 | 3.3502229 | -2.0842859 | 2.9698805 |
| ## | | NP_056667 | NP_065741 | NP_115593 | NP_060217 | NP_078944 |
| ## | AO.A12D.01TCGA | 1.8619006 | -0.03918867 | 2.2962176 | -0.062047460 | 0.3456009 |
| ## | C8.A131.01TCGA | 3.0835450 | -0.65264905 | 0.2095496 | -0.717415146 | -0.5433563 |
| ## | AO.A12B.01TCGA | 0.5762493 | 1.48252126 | -0.2745932 | 1.499150102 | 1.1748877 |
| ## | BH.A18Q.02TCGA | 1.0249954 | -0.02545455 | -0.8517639 | 0.001308505 | -0.1224706 |
| ## | C8.A130.02TCGA | -0.8154867 | -0.25462915 | 0.4964608 | -0.254629154 | -0.1234344 |
| ## | C8.A138.03TCGA | 3.6464512 | 0.58176858 | -0.8408586 | 0.541540046 | 0.4610830 |
| ## | | NP_005119 | NP_001186871 | NP_001073883 | NP_057688 | NP_060903 |
| ## | AO.A12D.01TCGA | 1.2294741 | 0.20844821 | -0.3096843 | 0.1208229 | 0.9818372 |
| ## | C8.A131.01TCGA | 0.5252843 | -0.32881858 | -0.5595478 | -0.8105164 | 1.8367977 |
| ## | AO.A12B.01TCGA | -0.2829076 | 0.03026895 | 0.6760224 | 0.9836560 | -0.4547390 |
| ## | BH.A18Q.02TCGA | -2.3839488 | -0.21614132 | -2.1932620 | 0.7540194 | 0.5231881 |

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## C8.A130.02TCGA -1.4288222 -1.30418719 0.6735737 0.1848733 0.4210238
## C8.A138.03TCGA 0.7938826 1.56919615 4.1145650 0.7865684 -0.2228020
## NP_940953 NP_001509 NP_001003795 NP_775808 NP_938149
## A0.A12D.01TCGA 2.330506 0.1284424 -3.99756896 -3.99756896 0.5437104
## C8.A131.01TCGA 1.047461 -0.5716914 -0.08189784 -0.08189784 0.4929013
## A0.A12B.01TCGA 0.293559 0.1411279 -2.94352252 -2.94352252 1.4326347
## BH.A18Q.02TCGA -3.006190 0.6737303 -0.35999274 -0.35999274 0.2421760
## C8.A130.02TCGA -1.992960 0.8506867 0.05039865 0.05039865 0.5292595
## C8.A138.03TCGA 3.789080 0.5232543 -0.02165938 -0.02165938 0.1538833
## NP_938148 NP_009041 NP_001258152 NP_443075 NP_695012
## A0.A12D.01TCGA 0.5703790 0.09796406 -1.22022610 -3.73850269 0.4751341
## C8.A131.01TCGA 0.4929013 -1.13839476 0.08406528 0.04763435 -0.2600046
## A0.A12B.01TCGA 1.4520350 -0.83997385 -1.45246958 -3.49227435 0.2270436
## BH.A18Q.02TCGA 0.2421760 0.42951738 -3.55483241 -8.01422643 0.2522121
## C8.A130.02TCGA 0.5390991 -0.78596791 0.13567524 -0.08407597 0.1094363
## C8.A138.03TCGA 0.1977690 2.92599478 -0.44588753 0.36234023 0.6329685
## NP_002152 NP_940978 NP_000292 NP_005568 NP_829884
## A0.A12D.01TCGA 1.11518017 0.55133004 -0.9725892 2.5324251 -0.74781113
## C8.A131.01TCGA -0.51097322 1.42796175 2.3954053 0.4969491 0.14478349
## A0.A12B.01TCGA -0.83720238 0.08292695 -2.3060835 -1.2113513 -1.49681316
## BH.A18Q.02TCGA -0.03549070 0.57671419 -1.0491414 -1.6881093 0.16857760
## C8.A130.02TCGA 0.06679799 -0.11687466 0.8310074 3.0678780 1.95600246
## C8.A138.03TCGA -0.65068732 -1.39308657 -2.4390284 -2.5011997 0.01856914
## NP_056391 NP_055454 NP_064502 NP_005210 NP_036533
## A0.A12D.01TCGA -1.20498691 0.6808632 1.5723560 -0.1534826 1.2790015
## C8.A131.01TCGA 0.05168223 -0.4826381 -0.8833783 -0.3854889 1.0757961
## A0.A12B.01TCGA -1.88481950 0.1383564 0.1189561 0.3268167 0.1328135
## BH.A18Q.02TCGA 1.24913594 0.2488668 0.5733688 1.1487745 -0.1659606
## C8.A130.02TCGA 2.30694843 -0.3497454 -0.1332740 -1.1467535 -0.3956635
## C8.A138.03TCGA -0.22280204 1.0206253 -0.2374306 0.9694253 0.5049687
## NP_000177 NP_002104 NP_066303 NP_005657 NP_001188479
## A0.A12D.01TCGA 1.0199352 1.6180735 0.63895540 1.7704655 0.70372197
## C8.A131.01TCGA 1.2579507 2.0027608 -0.06165844 0.8410190 -1.57961378
## A0.A12B.01TCGA -2.5527447 -1.9707352 -1.66864454 -2.1037659 -2.11208036
## BH.A18Q.02TCGA -0.3834104 0.2388306 -1.23313740 0.9513970 0.08159767
## C8.A130.02TCGA 0.4439829 1.2803495 0.50302055 0.6998127 0.70309256
## C8.A138.03TCGA -2.3439428 -1.7917147 -1.71491482 -2.2305714 -1.63445776
## NP_003226 NP_055951 NP_001014972 NP_009123 NP_005106
## A0.A12D.01TCGA -2.675569 -0.7516209 0.6694338 -1.87932119 -1.1478399
## C8.A131.01TCGA -3.000420 2.1282451 -0.1952385 -0.59597872 -0.2316694
## A0.A12B.01TCGA -1.832161 -0.7568296 -0.1138477 -1.56332853 0.9531697
## BH.A18Q.02TCGA -7.294969 0.8376540 -0.1726514 -0.28304895 0.2455214
## C8.A130.02TCGA -5.771369 -0.2447895 0.5292595 0.61125623 -0.5268583
## C8.A138.03TCGA -5.287940 -0.6653159 0.4062259 -0.06188792 2.6773093
## NP_055950 NP_055205 NP_060542 NP_006286 NP_065073
## A0.A12D.01TCGA 0.50180267 0.64657500 0.52847126 1.59140494 0.9437393
## C8.A131.01TCGA -0.16285546 0.76410927 -0.15071182 0.82887537 0.1933581
## A0.A12B.01TCGA -0.94528986 0.63167878 -1.63815833 -0.74574374 2.4885663
## BH.A18Q.02TCGA 0.25221214 0.05483462 -0.03549070 1.23575441 -1.8654146
## C8.A130.02TCGA 0.07335773 0.85396652 1.26395013 0.04383891 -0.2841480
## C8.A138.03TCGA 0.58176858 -0.48611606 -0.06188792 -0.36543047 0.1941118
## NP_056281 NP_057535 NP_000087 NP_004578 NP_065972
## A0.A12D.01TCGA 0.7418200 1.3170995 -0.8240071 2.8448285 0.95897845
## C8.A131.01TCGA 0.4362309 0.7276783 0.5212364 2.6625654 1.65059520

```



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## A0.A12B.01TCGA 0.5346772 1.1194582 -2.1203948 -0.2163922 -0.83720238
## BH.A18Q.02TCGA -0.6778040 -0.5038442 -0.2629767 -0.6276233 -0.04218146
## C8.A130.02TCGA -0.8286062 -0.2775882 -0.3759843 1.5656981 1.28690921
## C8.A138.03TCGA 0.9365111 1.1193680 -2.3256571 0.9365111 0.57811144
## NP_002435 NP_003370 NP_002897 NP_001247425 NP_060783
## A0.A12D.01TCGA 0.1855894 -0.6258976 0.1284424 0.05224649 -0.1534826
## C8.A131.01TCGA 1.5534461 0.1488314 0.9665033 0.65886437 -0.6931279
## A0.A12B.01TCGA -1.5023561 0.4931051 0.4792477 1.39660557 0.2436724
## BH.A18Q.02TCGA 0.6402764 -0.7246394 0.3693005 0.26224829 0.0581800
## C8.A130.02TCGA 1.0901171 1.4115442 0.5226998 0.23407131 1.2409911
## C8.A138.03TCGA -0.3800590 0.6110257 -0.1825735 -0.05823078 1.4448534
## NP_002999 NP_001146 NP_056090 NP_073616 NP_003852
## A0.A12D.01TCGA -2.088860 -1.26213388 0.26940498 0.8180159 0.29607357
## C8.A131.01TCGA -11.294528 -0.02522751 0.22574111 0.7236305 0.36336906
## A0.A12B.01TCGA -9.154395 -0.43256719 -0.30785086 -1.7933609 0.08015548
## BH.A18Q.02TCGA -11.433207 -0.46369957 -0.25294052 -0.8149647 -2.41740258
## C8.A130.02TCGA 2.398785 -0.85812502 -0.03815781 -0.6908517 1.79856876
## C8.A138.03TCGA NA 0.98771102 0.42451159 -1.4004009 0.63662566
## NP_001193814 NP_001193813 NP_001322 NP_001078935 NP_005378
## A0.A12D.01TCGA 0.34560094 0.349410742 0.33417155 0.349410742 -0.225868781
## C8.A131.01TCGA -0.05356267 -0.102137245 -0.05356267 -0.118328769 -0.134520292
## A0.A12B.01TCGA 0.55684899 0.615049936 0.52636277 0.626135831 -0.099990324
## BH.A18Q.02TCGA -0.11577986 0.004653887 -0.06894451 -0.002036877 0.004653887
## C8.A130.02TCGA 0.78836915 0.801488621 0.83428731 0.814608097 0.040559044
## C8.A138.03TCGA 0.10634048 0.095369068 0.05148340 0.088054790 0.281883165
## NP_001186308 NP_004184 NP_001155901 NP_037506 NP_002334
## A0.A12D.01TCGA 0.6237162 0.6313358 0.3989381 0.4637047 -2.153627
## C8.A131.01TCGA 0.4240873 0.4038479 -0.3692974 -0.3652495 5.127725
## A0.A12B.01TCGA 0.4099609 0.4071894 0.9143691 0.9836560 -2.702404
## BH.A18Q.02TCGA -0.5573703 -0.5674064 -0.4469727 -0.4101735 -4.076712
## C8.A130.02TCGA 0.1750337 0.1947129 -0.4087830 -0.4251823 -5.564737
## C8.A138.03TCGA 1.4667963 1.4667963 0.9877110 0.9950253 -6.385082
## NP_001032412 NP_003282 NP_004482 NP_003592 NP_003060
## A0.A12D.01TCGA -0.2372982 1.0351744 2.1019179 2.3724136 -0.23348838
## C8.A131.01TCGA -1.1707778 0.8167317 -0.1790470 -0.4097762 -0.34501010
## A0.A12B.01TCGA 0.2021003 1.2718892 0.6815653 -1.4025830 -0.01684611
## BH.A18Q.02TCGA -0.2997759 0.6369311 -0.8517639 -0.1927236 0.75067404
## C8.A130.02TCGA 2.0707979 -0.5826160 1.2541105 0.1389551 0.45710239
## C8.A138.03TCGA -0.3946876 1.0571967 1.4192534 -0.9981155 2.50908092
## NP_620604 NP_055644 NP_009117 NP_001123892 NP_003066
## A0.A12D.01TCGA -0.1687218 -0.24110797 -0.58398981 0.17416003 0.17416003
## C8.A131.01TCGA -0.3247707 -0.57573931 -0.06570632 -0.99671893 -0.97243165
## A0.A12B.01TCGA -0.2274781 0.22704359 -0.05841822 0.13835643 0.09124137
## BH.A18Q.02TCGA 0.7506740 -0.00872764 -0.59751485 0.06487076 0.05148923
## C8.A130.02TCGA 0.4472628 0.86708600 0.02743957 0.28326934 0.27342973
## C8.A138.03TCGA 2.4249667 0.09171193 0.70245417 0.76828267 0.85971115
## NP_003065 NP_003473 NP_733751 NP_061322 NP_001181885
## A0.A12D.01TCGA 1.5037796 -0.1191944 0.13987184 0.05986608 -0.2106296
## C8.A131.01TCGA 0.4726618 -0.4583508 0.46456609 -1.00886257 -1.4905604
## A0.A12B.01TCGA -0.2191637 -0.6293418 -0.02516053 0.13558496 0.4459900
## BH.A18Q.02TCGA -0.8082739 -0.3666835 -1.57102097 -0.09905295 -0.3666835
## C8.A130.02TCGA 1.6575344 0.2996687 0.44726278 1.08355734 1.3590663
## C8.A138.03TCGA -0.8298871 1.4777677 0.20508324 0.05879768 0.3074831
## NP_055535 NP_005981 NP_002532 NP_001158508 NP_060715

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|-------------|
| ## | A0.A12D.01TCGA | 0.3798891 | 0.7151514 | -0.4125489 | -0.3858803 | -0.1191944 |
| ## | C8.A131.01TCGA | 0.1933581 | 1.5898770 | -0.6202660 | -0.6202660 | -0.5757393 |
| ## | A0.A12B.01TCGA | 0.1771571 | -1.3831827 | 2.5883393 | 2.6215970 | 2.6631691 |
| ## | BH.A18Q.02TCGA | -0.8183101 | 0.8811439 | -0.1659606 | -0.1826875 | 0.1250876 |
| ## | C8.A130.02TCGA | 0.3062284 | -0.4514213 | 0.3882251 | 0.4046245 | 0.5226998 |
| ## | C8.A138.03TCGA | 0.5451972 | 0.1099976 | 0.4098830 | 0.5086258 | 1.1449680 |
| ## | NP_005500 | NP_001167587 | NP_001005619 | NP_001005731 | NP_079330 | |
| ## | A0.A12D.01TCGA | 0.4941831 | -0.2487276 | 0.2160678 | 0.2160678 | 0.5703790 |
| ## | C8.A131.01TCGA | -0.2923876 | 0.8369711 | 0.6750559 | 0.6750559 | 0.3714648 |
| ## | A0.A12B.01TCGA | 0.5817922 | -1.1171212 | -1.9790496 | -1.9790496 | -0.3882236 |
| ## | BH.A18Q.02TCGA | 0.5733688 | 0.5900957 | 1.1855737 | 1.1855737 | -0.9153261 |
| ## | C8.A130.02TCGA | -0.7302101 | -0.2119909 | -1.6026553 | -1.6026553 | 2.1167160 |
| ## | C8.A138.03TCGA | 0.6329685 | 0.6805113 | -0.3325162 | -0.3105734 | 1.1705680 |
| ## | NP_056240 | NP_008986 | NP_056111 | NP_001123520 | NP_653259 | |
| ## | A0.A12D.01TCGA | -0.3630215 | -0.2030100 | 0.7532493 | 0.7761081 | 0.4979929 |
| ## | C8.A131.01TCGA | 0.3309860 | -0.8631389 | 1.7679837 | 1.7801274 | 1.3712914 |
| ## | A0.A12B.01TCGA | -1.1836366 | 0.5901067 | 0.5180484 | 0.5817922 | -1.4441552 |
| ## | BH.A18Q.02TCGA | -1.0391053 | 0.2053768 | 0.1418145 | 0.1418145 | 0.7540194 |
| ## | C8.A130.02TCGA | 0.4964608 | 0.5489387 | -0.3530252 | -0.3530252 | -0.7203705 |
| ## | C8.A138.03TCGA | -0.6945730 | 0.6110257 | 1.0352538 | 1.0645109 | 0.1794833 |
| ## | NP_055504 | NP_872579 | NP_004450 | NP_061897 | NP_056288 | |
| ## | A0.A12D.01TCGA | 0.74562975 | -1.7650272 | -1.76502724 | 0.1741600 | 1.0808920 |
| ## | C8.A131.01TCGA | 0.15692713 | -0.1952385 | -0.19523851 | 0.5131407 | 0.1690708 |
| ## | A0.A12B.01TCGA | -0.37436624 | -1.1947225 | -1.19472251 | -0.3244797 | -1.6797304 |
| ## | BH.A18Q.02TCGA | 1.81450547 | 0.3191198 | 0.31911978 | -0.6811494 | -0.5406434 |
| ## | C8.A130.02TCGA | -0.47766024 | 0.4111842 | 0.41118423 | 0.2045525 | -0.6219745 |
| ## | C8.A138.03TCGA | -0.02165938 | 0.1392547 | 0.08439765 | 0.4903401 | 1.3387964 |
| ## | NP_060101 | NP_001012985 | NP_001371 | NP_004937 | NP_079216 | |
| ## | A0.A12D.01TCGA | -0.06585726 | 0.08653467 | -0.8621051 | 0.5360909 | 0.9475491 |
| ## | C8.A131.01TCGA | -2.32442387 | -0.53121262 | -0.2721482 | 1.0191258 | 0.4078958 |
| ## | A0.A12B.01TCGA | 1.92041413 | 1.11668671 | 0.2713872 | -1.8349330 | -0.3826807 |
| ## | BH.A18Q.02TCGA | 1.54687493 | 0.33250131 | 0.3224652 | 2.3932565 | 1.0751761 |
| ## | C8.A130.02TCGA | -1.05163729 | -0.45470115 | 0.8998847 | -0.4219025 | -0.9237224 |
| ## | C8.A138.03TCGA | -0.13137356 | 0.22702608 | 1.9056530 | -0.1350307 | -0.2703448 |
| ## | NP_874365 | NP_056171 | NP_060684 | NP_940890 | NP_001087 | |
| ## | A0.A12D.01TCGA | 1.1723271 | 1.1875663 | 2.0942983 | 1.55330696 | 1.6066441 |
| ## | C8.A131.01TCGA | 0.8369711 | 0.8531627 | -0.5959787 | 0.80458808 | 0.2014538 |
| ## | A0.A12B.01TCGA | 1.7291824 | 1.7458113 | -0.5877697 | -0.02238906 | -0.9785475 |
| ## | BH.A18Q.02TCGA | -0.3499566 | -0.3499566 | -0.4168642 | -1.23982817 | -2.2835873 |
| ## | C8.A130.02TCGA | -1.2746684 | -1.2746684 | -0.9893198 | 0.06023826 | 1.4607423 |
| ## | C8.A138.03TCGA | 0.8487397 | 0.8487397 | -0.3325162 | 2.43593813 | -0.2520592 |
| ## | NP_942127 | NP_001368 | NP_055627 | NP_001035864 | NP_001106197 | |
| ## | A0.A12D.01TCGA | 1.5799755 | -2.2031540 | -0.02394948 | -0.02394948 | 1.2599525 |
| ## | C8.A131.01TCGA | 0.2176453 | -0.7295588 | 0.90173722 | 0.90173722 | 2.4601714 |
| ## | A0.A12B.01TCGA | -0.9813190 | -0.1304765 | -0.57945530 | -0.60717004 | 0.4931051 |
| ## | BH.A18Q.02TCGA | -2.2869327 | -1.4606234 | -0.18937826 | -0.18937826 | -0.8149647 |
| ## | C8.A130.02TCGA | 1.4345033 | -1.8847240 | -0.12015453 | -0.19559151 | 0.9589223 |
| ## | C8.A138.03TCGA | -0.2593734 | 3.9646223 | 0.01491201 | 0.01491201 | 1.9605100 |
| ## | NP_055820 | NP_061903 | NP_057417 | NP_001894 | NP_004380 | |
| ## | A0.A12D.01TCGA | 1.1418488 | 0.1932090 | -0.3096843 | 0.29988337 | 0.38369893 |
| ## | C8.A131.01TCGA | 2.4642193 | -0.9238571 | 0.0800174 | -0.31262705 | -0.04546691 |
| ## | A0.A12B.01TCGA | 0.4709333 | 0.6399932 | 0.6760224 | -0.07504706 | 0.30464486 |
| ## | BH.A18Q.02TCGA | -0.6744586 | -0.8985992 | -0.6209325 | 0.43955353 | 0.43620815 |
| ## | C8.A130.02TCGA | 0.9589223 | -0.3071071 | 0.6899731 | 0.51614003 | 0.92940351 |

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## C8.A138.03TCGA 1.9605100 0.1538833 -0.2045163 1.40828203 1.13033945
## NP_037398 NP_000079 NP_001835 NP_002902 NP_001158287
## A0.A12D.01TCGA -0.9344912 1.168517 0.1398718 0.9627882 0.257975586
## C8.A131.01TCGA -2.4499082 2.091814 -1.0655329 -0.1021372 -0.009035984
## A0.A12B.01TCGA -0.5683694 -2.530573 -2.6192601 0.1189561 0.412732343
## BH.A18Q.02TCGA -0.4503180 -1.708182 -3.7923545 0.4362081 -0.865145397
## C8.A130.02TCGA 0.1061564 1.464022 -0.6154147 1.2836293 0.749010720
## C8.A138.03TCGA 1.1522823 2.322567 0.1538833 -1.4662294 1.269310740
## NP_001158286 NP_055524 NP_114032 NP_004492 NP_570849
## A0.A12D.01TCGA 0.280834375 0.3684597 -0.4506469 -0.4582665 1.4618718
## C8.A131.01TCGA -0.009035984 -0.5959787 -0.6526491 -0.6081224 -0.3692974
## A0.A12B.01TCGA 0.412732343 -0.6071700 0.1716141 0.1854715 1.1194582
## BH.A18Q.02TCGA -0.845073106 0.1183969 0.9580877 0.9848508 0.6837664
## C8.A130.02TCGA 0.745730851 0.2799895 0.8638061 0.8736457 0.8080484
## C8.A138.03TCGA 1.287596436 0.4464544 0.1941118 0.1941118 0.3074831
## NP_060395 NP_001138295 NP_004808 NP_001163886 NP_001163885
## A0.A12D.01TCGA 0.6618142 -0.4544567 0.45608509 0.45608509 0.35703034
## C8.A131.01TCGA -0.1142809 1.0717482 0.32289025 0.30265085 0.24193263
## A0.A12B.01TCGA 0.3822461 -0.3909951 -1.57441443 -1.59104327 -1.54392821
## BH.A18Q.02TCGA -0.4335911 0.3726459 -0.40013732 -0.40013732 -0.39344655
## C8.A130.02TCGA -0.8318861 -1.2385898 -0.83844581 -0.90076332 -0.86796463
## C8.A138.03TCGA 0.8926254 -0.7750301 0.09536907 0.09536907 0.04416912
## NP_001164100 NP_001262 NP_001261 NP_060250 NP_115597
## A0.A12D.01TCGA -0.57256041 0.2846442 -0.1649120 -0.8011483 -0.5839898
## C8.A131.01TCGA -0.04141903 -1.8224866 -1.3326930 0.2500284 0.2419326
## A0.A12B.01TCGA -0.87046006 -0.9951764 -0.8510597 -0.8399738 -1.1531504
## BH.A18Q.02TCGA -0.63765943 1.0116138 0.3291559 -0.7781655 -0.5975148
## C8.A130.02TCGA 0.88676521 0.5620582 -0.3202265 1.8674460 1.2081924
## C8.A138.03TCGA 0.95845391 0.8085112 0.7573113 0.5415400 1.8069102
## NP_079410 NP_001257903 NP_004694 NP_001077054 NP_000170
## A0.A12D.01TCGA 0.1093935 -0.3782607 -1.6735921 -1.6164451 -1.0449754
## C8.A131.01TCGA 0.2662199 1.1972325 -0.9805274 -0.9886232 -0.5190690
## A0.A12B.01TCGA -0.8510597 -3.2123555 3.3089225 3.0955191 -1.5078991
## BH.A18Q.02TCGA -0.7714747 -1.4137880 -2.0728282 -1.9925391 1.1788829
## C8.A130.02TCGA 1.1721138 -0.1037552 -0.9729204 -0.9204425 2.7628502
## C8.A138.03TCGA 0.6512542 1.4814248 -1.7368577 -1.5832578 -0.9615442
## NP_005947 NP_001229696 NP_056255 NP_002289 NP_005023
## A0.A12D.01TCGA -1.07545377 -0.2601570 -0.2601570 -0.9497304 1.0923214
## C8.A131.01TCGA 0.28241144 0.9543597 0.9543597 0.9988864 -0.3895368
## A0.A12B.01TCGA -0.08613295 -2.4058566 -2.4058566 -2.1952246 -3.3509292
## BH.A18Q.02TCGA -0.70122169 2.5404533 2.5404533 4.0927105 0.1485053
## C8.A130.02TCGA 1.05075866 1.0802775 1.0802775 -1.5403377 -0.6416537
## C8.A138.03TCGA -0.02897366 -2.6877138 -2.6877138 -1.1846296 0.5159401
## NP_002661 NP_001193980 NP_056097 NP_055912 NP_001193973
## A0.A12D.01TCGA 0.4294165 0.2351168 0.1817796 0.55133004 0.48656348
## C8.A131.01TCGA -1.7820078 0.5455237 0.6305292 -0.31667493 -0.36524950
## A0.A12B.01TCGA -0.1193906 -1.0977209 -1.1226642 0.46539035 0.36284581
## BH.A18Q.02TCGA 0.5633327 -0.4001373 -0.3633381 -0.11577986 -0.06894451
## C8.A130.02TCGA -1.4550612 0.3062284 0.2865492 -0.67445237 -0.61213486
## C8.A138.03TCGA 0.3769688 -0.2740020 -0.2740020 0.09171193 0.09171193
## NP_036601 NP_055845 NP_075463 NP_001073869 NP_542194
## A0.A12D.01TCGA -0.20300999 0.06748568 0.5703790 -6.0129522 -0.298254946
## C8.A131.01TCGA -0.28429189 -0.08189784 0.4078958 -5.6274947 -0.000940222
## A0.A12B.01TCGA 0.02195453 -0.62102741 1.0002848 -0.4602819 0.457075925

```

```

## BH.A18Q.02TCGA 0.18864989 -0.18268750 -1.1595390 -0.4335911 -0.764783941
## C8.A130.02TCGA 1.60177663 -0.36942456 -1.2549892 -1.3238664 2.100316693
## C8.A138.03TCGA -0.24108773 -0.54463029 -0.2593734 -2.1318287 1.664281770
## NP_954650 NP_056025 NP_001012279 NP_003962 NP_001124000
## AO.A12D.01TCGA -0.43921748 0.27702458 NA -0.5649408 -0.5801800
## C8.A131.01TCGA -0.01308386 0.21764535 NA -0.2114300 -0.1709512
## AO.A12B.01TCGA 0.46539035 0.35175992 NA 0.7342233 0.7175945
## BH.A18Q.02TCGA -0.68784016 -1.02906911 -0.1659606 -0.5306072 -0.5239164
## C8.A130.02TCGA 2.08063748 0.04383891 0.6506147 1.0507587 1.0507587
## C8.A138.03TCGA 1.46679625 -4.07742672 -0.5812017 0.2123975 0.2123975
## NP_001123999 NP_001238900 NP_055948 NP_006380 NP_001035957
## AO.A12D.01TCGA -0.5649408 -0.7097131 0.4141773 1.4504424 0.15511104
## C8.A131.01TCGA -0.2114300 -0.2681004 0.3674169 0.8531627 -0.04951479
## AO.A12B.01TCGA 0.7314518 0.7342233 -1.0755491 1.9287286 0.02749747
## BH.A18Q.02TCGA -0.5306072 -0.8584546 1.2926259 0.9212885 -0.15257906
## C8.A130.02TCGA 1.0507587 1.0310794 1.8543265 -0.9794802 0.72933151
## C8.A138.03TCGA 0.2123975 0.2087404 -0.4166304 -0.5629160 0.84142546
## NP_872270 NP_001193725 NP_001193727 NP_000289 NP_060110
## AO.A12D.01TCGA 0.5894280 0.5894280 0.5284713 0.1513012 0.8713531
## C8.A131.01TCGA 0.5414758 0.4726618 0.5495716 1.3429562 -0.1426161
## AO.A12B.01TCGA 0.5069625 0.5429916 0.5707064 0.5319057 0.1882430
## BH.A18Q.02TCGA -0.5674064 -0.5406434 -0.5473341 -0.2830490 2.0921722
## C8.A130.02TCGA -0.2710285 -0.2546292 -0.3005473 -0.2251103 -0.2087110
## C8.A138.03TCGA 1.0169681 1.0571967 1.0462253 0.7865684 0.4171973
## NP_001167448 NP_004902 NP_005304 NP_004376 NP_941372
## AO.A12D.01TCGA 0.8713531 0.4027479 1.07327239 0.6618142 0.7456298
## C8.A131.01TCGA -0.1426161 1.3227168 1.98252143 -3.4902136 0.3026508
## AO.A12B.01TCGA 0.1882430 1.5074645 1.53517926 -4.9916417 -0.2607358
## BH.A18Q.02TCGA 1.8947946 -1.4305149 0.95808772 -0.7480570 0.5231881
## C8.A130.02TCGA -0.2316701 0.1520746 -0.61213486 2.8317274 -0.6580530
## C8.A138.03TCGA 0.4171973 -0.6031445 0.07708337 1.2473679 0.1758261
## NP_066964 NP_001138231 NP_001127910 NP_942147 NP_060554
## AO.A12D.01TCGA 0.3836989 -0.08490625 1.4847306 0.09415427 0.03700729
## C8.A131.01TCGA -0.4057283 -0.04546691 2.0108566 0.49694913 1.52511089
## AO.A12B.01TCGA 0.3351311 -0.99794786 -1.4275263 -0.14710538 -1.16977924
## BH.A18Q.02TCGA 1.4164050 -0.41351885 0.2187583 -3.88937060 0.22879447
## C8.A130.02TCGA 1.0081204 0.72605164 -0.3431856 -0.56949657 -0.94012175
## C8.A138.03TCGA -0.8701157 -0.06188792 1.7483960 1.59479613 -0.15697353
## NP_001129069 NP_001073922 NP_071504 NP_006830 NP_001093639
## AO.A12D.01TCGA 0.07129548 -0.06966706 -0.6639956 -0.69828375 -0.70971315
## C8.A131.01TCGA 1.56963758 0.18121442 -1.6362841 0.01120342 -0.01308386
## AO.A12B.01TCGA -1.17809366 -0.33002266 4.5699432 0.40996087 0.36007434
## BH.A18Q.02TCGA 0.22879447 -0.24959513 1.2658628 -0.45366343 -0.45366343
## C8.A130.02TCGA -0.94012175 0.79492888 -0.9893198 0.35542646 0.33246737
## C8.A138.03TCGA -0.16063067 0.57079716 -2.4390284 0.05514054 0.05879768
## NP_001093640 NP_006588 NP_005338 NP_005337 NP_001035924
## AO.A12D.01TCGA -0.70971315 0.1436816 0.1741600 -0.70209355 1.7933242
## C8.A131.01TCGA 0.01525130 -0.5231169 0.0152513 -0.79837276 3.7150145
## AO.A12B.01TCGA 0.40996087 0.9642556 3.4724395 1.36334788 -1.2667808
## BH.A18Q.02TCGA -0.49715339 -0.9019446 -0.4938080 -0.07898066 -0.8049285
## C8.A130.02TCGA 0.31278816 -0.4350219 0.8900451 0.37182580 0.8966048
## C8.A138.03TCGA 0.05514054 -0.1679450 -0.9652013 1.38268205 1.0389110
## NP_068814 NP_694881 NP_005518 NP_002146 NP_060898
## AO.A12D.01TCGA -0.8201973 0.2274972 -0.4696959 0.04462689 0.6770534

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## C8.A131.01TCGA -0.1466639 -0.5393084 -0.7619418 -1.13434688 0.7114868
## A0.A12B.01TCGA 1.2275457 0.9725701 1.4548065 1.17765913 -1.4774128
## BH.A18Q.02TCGA -2.2400973 -0.6978763 -0.4034827 -0.53729797 -0.2194867
## C8.A130.02TCGA 0.3455868 -0.4645408 0.2176720 0.36198619 1.2442709
## C8.A138.03TCGA 2.5383380 -0.2337735 1.4229106 1.05353953 -0.4239447
## NP_005959 NP_001596 NP_002799 NP_115784 NP_031387
## A0.A12D.01TCGA 0.0217681 0.7380102 0.006528907 3.7172723 -0.11157484
## C8.A131.01TCGA -0.3531059 -0.3733453 0.120496206 1.6667867 2.16062819
## A0.A12B.01TCGA 0.4349041 -0.7512867 0.421046765 -1.7628747 -1.26400935
## BH.A18Q.02TCGA 0.1351238 1.4465135 -0.574097175 -0.9487799 0.03810771
## C8.A130.02TCGA 1.0245197 0.2307914 0.447262784 0.7030926 0.04383891
## C8.A138.03TCGA -0.1862306 -1.1188011 -0.584858817 -1.0383441 -0.58851596
## NP_002499 NP_060414 NP_066997 NP_203752 NP_001139381
## A0.A12D.01TCGA -1.0183068 -0.06966706 -0.652566176 1.3742464 1.09994098
## C8.A131.01TCGA 1.0596046 0.13263985 -0.964335883 0.5617152 0.56171523
## A0.A12B.01TCGA -0.5739124 0.26584423 0.853396689 -0.3411086 -0.16650570
## BH.A18Q.02TCGA 0.7506740 -0.42020961 -0.480426483 -0.3064666 -0.08567142
## C8.A130.02TCGA -0.2546292 -1.22219047 -0.002079251 -0.3202265 -0.38254404
## C8.A138.03TCGA -1.4406294 0.26725461 -0.164287813 1.3022250 1.47776767
## NP_004658 XP_003403905 NP_054831 NP_003472 NP_003931
## A0.A12D.01TCGA 0.1474914 0.3684597 -1.9288486 -1.7154999 -1.62787451
## C8.A131.01TCGA 0.4645661 -0.3490580 -2.4620518 -1.2517354 -1.52699133
## A0.A12B.01TCGA -1.4496981 0.3545314 0.3240452 0.2492154 1.34671904
## BH.A18Q.02TCGA -0.4804265 -0.1391975 1.1721922 0.5934411 0.62354953
## C8.A130.02TCGA -0.8154867 -1.4288222 2.0511187 1.0343593 0.01759996
## C8.A138.03TCGA 1.2437108 2.0848528 -0.8884014 -0.8408586 1.48142481
## NP_057662 NP_036425 NP_055949 NP_958431 NP_001034230
## A0.A12D.01TCGA -0.7097131 0.8827825 2.14001588 2.12477669 -0.16491201
## C8.A131.01TCGA -0.6728885 1.0717482 0.86935418 0.82482749 1.35509989
## A0.A12B.01TCGA -0.5184829 -2.2173964 0.78965279 0.77025247 0.41827529
## BH.A18Q.02TCGA -0.3566474 -0.5607156 -0.15926982 -0.10239833 1.63385485
## C8.A130.02TCGA -0.3267863 0.3882251 -0.04799742 -0.03159807 0.28326934
## C8.A138.03TCGA -0.4202876 -1.5466864 1.15228229 1.15228229 0.09902621
## NP_619538 NP_476516 NP_078837 NP_036387 NP_057212
## A0.A12D.01TCGA 0.5246615 0.4027479 0.93230986 -0.6220878 1.755226265
## C8.A131.01TCGA 1.5493982 0.1650229 0.64672073 -0.2964355 1.302477437
## A0.A12B.01TCGA 0.1549853 -0.6376563 -0.15819127 -0.2995364 1.446492099
## BH.A18Q.02TCGA 1.6338549 -0.1291614 0.06487076 -0.4001373 -0.058908368
## C8.A130.02TCGA 0.4800615 0.5456589 0.31278816 0.1291155 -0.002079251
## C8.A138.03TCGA 0.3733116 -1.1517154 0.96576819 -0.1862306 1.645996074
## NP_036265 NP_060090 NP_036350 NP_060857 NP_060697
## A0.A12D.01TCGA -0.85067568 0.45227529 0.40655771 -0.4887449 1.0161254
## C8.A131.01TCGA -0.73765455 -0.28429189 -0.35310586 -1.9034443 0.9786470
## A0.A12B.01TCGA 1.23586008 0.50973393 0.52636277 -0.5378832 -0.3161653
## BH.A18Q.02TCGA -1.57436635 -0.05221761 -0.05221761 -0.6410048 0.2522121
## C8.A130.02TCGA 0.03399931 1.23771118 1.21147223 3.1728338 -0.4678206
## C8.A138.03TCGA 0.06245481 -0.88840137 -0.89571565 0.4245116 -1.1078297
## NP_620305 NP_115571 NP_004229 NP_001025177 NP_663782
## A0.A12D.01TCGA 0.78753753 0.7608689 -0.6373270 0.25797559 0.528471256
## C8.A131.01TCGA 0.14478349 0.2540763 1.0353173 0.39575211 0.699343179
## A0.A12B.01TCGA 0.47370477 0.3850176 -1.0090338 -0.06950411 -0.002988738
## BH.A18Q.02TCGA -0.19272364 -0.2663220 -0.5774426 -0.04887222 0.549951130
## C8.A130.02TCGA 0.85396652 0.7883691 0.8244477 0.33246737 0.325907636
## C8.A138.03TCGA 0.07708337 0.1099976 -0.1057736 0.95845391 0.504968654

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_477352 | NP_001005360 | NP_001005361 | NP_004936 | NP_001005336 |
| ## | AO.A12D.01TCGA | 1.0275548 | 1.4847306 | 1.4352032 | 1.5342580 | 0.2579756 |
| ## | C8.A131.01TCGA | -0.4300156 | 0.7600614 | 0.7600614 | 0.7641093 | 0.9543597 |
| ## | AO.A12B.01TCGA | -0.7374293 | -0.3660518 | -0.3660518 | -0.3521944 | -1.4302978 |
| ## | BH.A18Q.02TCGA | 1.0484130 | 0.5934411 | 0.5834049 | 0.5934411 | 0.3759913 |
| ## | C8.A130.02TCGA | -0.2939876 | -0.2316701 | -0.2251103 | -0.2415097 | 0.1947129 |
| ## | C8.A138.03TCGA | 0.5817686 | -0.4349161 | -0.4020019 | -0.4239447 | 1.2912536 |
| ## | | NP_056384 | NP_037423 | NP_004125 | NP_803187 | NP_006428 |
| ## | AO.A12D.01TCGA | 1.4847306 | 0.2122580 | -0.1687218 | 0.8332551 | -0.4201685 |
| ## | C8.A131.01TCGA | 0.8734021 | 0.1002568 | -1.2881664 | 0.5252843 | 0.3957521 |
| ## | AO.A12B.01TCGA | -0.3854521 | -0.1609627 | 2.4525371 | -0.1692772 | 0.9642556 |
| ## | BH.A18Q.02TCGA | 0.9246339 | 0.4428989 | -1.0290691 | -0.6610771 | 0.4562804 |
| ## | C8.A130.02TCGA | -0.0807961 | 0.4505427 | -0.7334900 | 1.3328274 | -0.1135948 |
| ## | C8.A138.03TCGA | -0.4605161 | 0.4976544 | 0.1977690 | 1.2437108 | -0.3983447 |
| ## | | NP_060404 | NP_061836 | NP_694984 | NP_006833 | NP_055888 |
| ## | AO.A12D.01TCGA | -0.3858803 | 0.4827537 | 5.0773703 | -0.2487276 | 0.7761081 |
| ## | C8.A131.01TCGA | -0.5878830 | 0.5050449 | -0.8267079 | -0.4785902 | 0.5171885 |
| ## | AO.A12B.01TCGA | -0.2607358 | -1.0589203 | 4.5339140 | 0.2381295 | 0.8977403 |
| ## | BH.A18Q.02TCGA | 0.9580877 | 0.4261720 | 0.1618868 | -0.3064666 | -1.1762659 |
| ## | C8.A130.02TCGA | -0.9270023 | 1.2836293 | 0.5161400 | 1.3361072 | 1.0179600 |
| ## | C8.A138.03TCGA | 0.6110257 | -0.9505727 | -0.6104588 | 0.1721690 | 0.4135402 |
| ## | | NP_056371 | NP_065859 | NP_001106189 | NP_001106190 | NP_005076 |
| ## | AO.A12D.01TCGA | 0.6961024 | 0.7075318 | 1.9647652 | 1.7590361 | -0.03918867 |
| ## | C8.A131.01TCGA | 0.7074389 | 1.0110300 | 1.0555567 | 1.1284186 | 0.16907078 |
| ## | AO.A12B.01TCGA | -0.8593742 | 0.7563951 | 1.7707545 | 1.7291824 | 0.07461253 |
| ## | BH.A18Q.02TCGA | -0.5506795 | -1.7483262 | -3.0095352 | -2.5880171 | -0.10908910 |
| ## | C8.A130.02TCGA | 0.3062284 | -0.1070351 | -0.1529532 | -0.1299941 | -0.39238365 |
| ## | C8.A138.03TCGA | 1.6935389 | 0.4025688 | -0.5921731 | -0.5263446 | 0.26359747 |
| ## | | NP_001026884 | NP_071934 | NP_055506 | NP_056992 | NP_001138678 |
| ## | AO.A12D.01TCGA | 2.1819237 | 2.1323963 | -0.19158060 | -0.3287333 | -0.25253737 |
| ## | C8.A131.01TCGA | 2.0108566 | 1.9906172 | -0.53526050 | -0.6931279 | 0.13668773 |
| ## | AO.A12B.01TCGA | -1.5855003 | -1.5855003 | -0.09999032 | 0.1466709 | 1.39106262 |
| ## | BH.A18Q.02TCGA | -1.6312378 | -1.6446194 | -0.08232604 | -0.9119807 | -0.13585215 |
| ## | C8.A130.02TCGA | 0.3554265 | 0.3455868 | 0.83428731 | 1.0638781 | 0.09303695 |
| ## | C8.A138.03TCGA | 1.6167390 | 1.6679389 | 0.15754043 | 0.3623402 | -0.52268745 |
| ## | | NP_056154 | NP_001035207 | NP_001128662 | NP_003617 | NP_003651 |
| ## | AO.A12D.01TCGA | -0.9954480 | -0.4125489 | -0.4315979 | -0.05061807 | -0.18396100 |
| ## | C8.A131.01TCGA | -1.5148477 | 0.2783636 | 0.2824114 | 0.35527330 | 0.07192163 |
| ## | AO.A12B.01TCGA | -0.3577374 | -0.8011732 | -0.8094876 | 0.51527688 | 0.77025247 |
| ## | BH.A18Q.02TCGA | -0.1458883 | 0.6670395 | 0.6804210 | -0.98223376 | -1.48738642 |
| ## | C8.A130.02TCGA | 0.3455868 | 0.2143921 | 0.2963888 | 0.13239537 | 0.29310895 |
| ## | C8.A138.03TCGA | 1.0206253 | -0.6836016 | -0.5044018 | 0.98771102 | 0.94748249 |
| ## | | NP_003616 | XP_003960947 | NP_055868 | NP_001073953 | NP_055423 |
| ## | AO.A12D.01TCGA | -0.2563472 | -1.01830680 | 0.4408459 | NA | 1.2713819 |
| ## | C8.A131.01TCGA | 0.2176453 | 0.05168223 | 0.2338369 | NA | 0.7317262 |
| ## | AO.A12B.01TCGA | 0.4543045 | 0.57902078 | 0.7175945 | NA | -0.6625995 |
| ## | BH.A18Q.02TCGA | -1.7115270 | -2.50772789 | -3.1199328 | NA | 0.1618868 |
| ## | C8.A130.02TCGA | 0.5981368 | 0.41118423 | 0.5981368 | NA | -0.6154147 |
| ## | C8.A138.03TCGA | 1.1010823 | 0.70611131 | 0.7024542 | NA | 0.2709117 |
| ## | | NP_055191 | NP_001028200 | NP_006268 | NP_003015 | NP_001001132 |
| ## | AO.A12D.01TCGA | 0.7189612 | 1.3170995 | -0.1306238 | 0.3913185 | 0.41036751 |
| ## | C8.A131.01TCGA | 0.0152513 | 0.4240873 | 0.3188424 | 0.2824114 | 0.28241144 |
| ## | AO.A12B.01TCGA | -0.2635073 | -0.5489691 | 0.2686157 | 0.1466709 | 0.01086863 |
| ## | BH.A18Q.02TCGA | 0.2923567 | 0.1384692 | 0.2689391 | -0.1057437 | -0.47039034 |

```

## C8.A130.02TCGA -0.2021513 -0.5235784 -0.4940596 -0.3497454 -0.34318561
## C8.A138.03TCGA 0.7317113 0.4757115 0.1502262 0.1429119 0.09536907
## NP_671494 NP_005115 NP_001036015 NP_036546 NP_003613
## A0.A12D.01TCGA -0.12300423 0.15892083 0.24273639 1.73998707 0.1208229
## C8.A131.01TCGA 0.19335806 0.11644833 -0.31262705 0.75196563 0.6062419
## A0.A12B.01TCGA 0.04689779 0.02195453 -1.46355547 0.50419098 -0.6431992
## BH.A18Q.02TCGA 0.22210371 0.71387484 -0.07898066 -0.68784016 -0.1291614
## C8.A130.02TCGA -0.46454076 0.95564246 -0.15951296 -0.03815781 0.4177440
## C8.A138.03TCGA 0.02954056 0.54154005 0.28188316 0.49399724 0.5817686
## NP_001185844 NP_003612 NP_001243497 NP_056280 NP_000179
## A0.A12D.01TCGA 0.07129548 1.8466614 1.9342868 0.1779698 0.49037327
## C8.A131.01TCGA 0.55361947 0.7681572 0.8693542 -1.0412456 0.26217204
## A0.A12B.01TCGA -0.70417163 -1.2917241 -1.3665539 0.4764762 1.98970098
## BH.A18Q.02TCGA -0.20275979 0.6335857 0.7941640 -0.8283462 0.08494305
## C8.A130.02TCGA 0.38822514 -0.8417257 -0.9270023 -0.3038272 1.31970790
## C8.A138.03TCGA 0.85239688 -0.9103442 -0.9030299 0.8194826 1.03891097
## NP_000180 NP_002106 NP_079406 NP_006006 NP_065783
## A0.A12D.01TCGA 2.1933531 0.4484655 0.3227422 0.75705915 0.3951283
## C8.A131.01TCGA 1.0191258 4.3505318 1.3510520 0.34717754 0.3836085
## A0.A12B.01TCGA -0.5711409 -1.5023561 1.6820674 -0.04178937 -0.1471054
## BH.A18Q.02TCGA -1.7985069 0.4328628 -1.7583624 -0.53395259 -0.2328682
## C8.A130.02TCGA -1.0253983 -1.5239384 2.0379992 0.63749518 0.7227718
## C8.A138.03TCGA -0.4056590 -2.6182282 -0.1423450 0.22336894 -0.1972021
## NP_619520 NP_150648 NP_001155855 NP_001035905 NP_001177371
## A0.A12D.01TCGA 1.96857496 0.87135309 0.1741600 1.88475940 1.77046546
## C8.A131.01TCGA 0.07192163 0.56171523 0.4807576 0.05573011 0.01929918
## A0.A12B.01TCGA -0.44088161 -0.09167590 -0.3743662 0.64830762 0.69542268
## BH.A18Q.02TCGA 0.01803541 0.05818000 1.2390998 -1.85203305 -1.43720570
## C8.A130.02TCGA 0.11599603 -1.84536555 0.2996687 -2.11431480 -2.06511677
## C8.A138.03TCGA 1.43022486 0.04051198 -0.2849734 0.25628319 0.07342623
## NP_001075019 NP_055318 NP_000499 NP_001408 NP_004477
## A0.A12D.01TCGA -0.2487276 0.12463265 0.6084770 0.05605628 1.86190061
## C8.A131.01TCGA -0.4381114 -0.55549991 3.3628488 -0.20333427 -0.05761056
## A0.A12B.01TCGA -0.9730046 -2.05665088 -2.3227124 -0.38545213 0.39610350
## BH.A18Q.02TCGA 0.8978708 -0.07563528 -0.7313301 -2.57463553 -1.71152701
## C8.A130.02TCGA 0.6079764 0.06351813 1.0245197 -0.06439676 -0.36614470
## C8.A138.03TCGA 0.8487397 -0.37274474 -2.6401710 1.64599607 0.34405453
## NP_001099008 NP_000120 NP_001120683 NP_001245227 NP_001070675
## A0.A12D.01TCGA -0.2220590 1.7704655 -0.561131020 -0.53827223 0.4941831
## C8.A131.01TCGA -0.1142809 1.9460905 0.003107659 -0.05761056 0.5495716
## A0.A12B.01TCGA -2.3365697 -2.5887739 -0.285679074 -0.27182170 0.1937859
## BH.A18Q.02TCGA 0.3224652 0.4763527 -2.126354358 -1.92897683 -1.2766274
## C8.A130.02TCGA 1.6640941 -1.5501774 -0.172632432 -0.19231165 -0.1463935
## C8.A138.03TCGA 0.2306832 1.3241678 0.289197444 0.35502595 0.8706826
## NP_060621 NP_055990 NP_001460 NP_057441 NP_001107018
## A0.A12D.01TCGA 0.17796982 2.2276412 0.5094223 -0.161102212 -0.16110221
## C8.A131.01TCGA 0.51718854 1.3712914 -0.6931279 -0.268100363 -0.24786096
## A0.A12B.01TCGA -1.16423629 -0.5739124 0.3517599 0.002554209 0.04135484
## BH.A18Q.02TCGA 0.18530451 -0.7915470 0.7540194 -2.236751960 -2.22671581
## C8.A130.02TCGA 0.05695839 -1.0319581 0.7949289 -0.011918857 -0.04471755
## C8.A138.03TCGA 0.69879703 1.5033676 -0.6762873 1.108396617 1.18885368
## NP_001107019 NP_056392 NP_001138997 NP_001138994 NP_036525
## A0.A12D.01TCGA -0.1725316 0.21987760 0.21225801 0.26559518 -0.8887737
## C8.A131.01TCGA -0.1507118 1.97037779 1.96632991 1.97037779 -0.3288186

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## A0.A12B.01TCGA -0.1997634 0.60950699 0.61504994 0.58733520 1.1665732
## BH.A18Q.02TCGA -1.6747278 -0.05890837 -0.05890837 -0.05890837 -1.0892860
## C8.A130.02TCGA 0.1586343 0.58501728 0.56205819 0.59157701 0.6768536
## C8.A138.03TCGA 1.0096539 0.39891162 0.38794020 0.40622590 0.1319405
## NP_006178 NP_005487 NP_065910 NP_001640 NP_065768
## A0.A12D.01TCGA 0.2655952 0.53990065 0.28464417 -0.9040129 -0.7744797
## C8.A131.01TCGA -2.0410722 -0.14666393 -0.16690334 -0.3773931 2.2456337
## A0.A12B.01TCGA 1.0335425 -1.31389588 -0.14710538 0.5568490 -0.2801361
## BH.A18Q.02TCGA 1.1755375 -0.20275979 -0.51388030 -0.7413663 -0.1157799
## C8.A130.02TCGA -0.5399777 -0.09063571 -0.06439676 0.7490107 1.3525066
## C8.A138.03TCGA 0.2233689 0.47205440 -1.10782972 0.1867975 3.6501083
## NP_055464 NP_002958 NP_002473 NP_001182122 NP_689511
## A0.A12D.01TCGA -0.83162669 -0.4925547 -0.07347685 0.04081709 -0.75543073
## C8.A131.01TCGA -0.91576131 -0.4300156 0.32289025 0.38765635 0.23383687
## A0.A12B.01TCGA 0.39610350 -0.1859060 -1.48849874 -1.83493297 -0.94251838
## BH.A18Q.02TCGA -0.92201689 -1.0290691 -0.87518154 -1.58774788 0.01469003
## C8.A130.02TCGA 1.21475210 1.3065884 0.92940351 0.89988469 0.95564246
## C8.A138.03TCGA -0.03628794 0.1904547 -1.88314322 -1.75880049 -2.00382881
## NP_006169 NP_002471 NP_001231921 NP_002472 NP_001184060
## A0.A12D.01TCGA -1.4564336 0.89040208 0.85230410 0.9513589 1.9419064
## C8.A131.01TCGA -1.1181554 0.74791775 0.73172623 -0.3045313 -1.2112566
## A0.A12B.01TCGA 0.5928781 -1.23906609 -1.23352314 -0.2551929 -1.4469266
## BH.A18Q.02TCGA -1.0859406 0.01803541 0.04145309 -1.2665912 1.3729151
## C8.A130.02TCGA 0.3390271 0.03071944 0.10943629 -0.4448615 -0.1693526
## C8.A138.03TCGA 1.5179962 0.54519719 0.53056863 -0.1167450 -0.1167450
## NP_002652 NP_003061 NP_001122321 NP_001122317 NP_004757
## A0.A12D.01TCGA 0.1322522 0.3951283 0.4675145 0.4408459 1.4199640
## C8.A131.01TCGA 0.7195826 -0.9481444 -0.5635957 -0.5757393 1.3024774
## A0.A12B.01TCGA 0.8035102 -0.5711409 -1.3970401 -1.4358407 1.3051469
## BH.A18Q.02TCGA 3.2998550 0.9346700 -0.2362136 -0.2362136 -0.4335911
## C8.A130.02TCGA -0.3661447 -0.2710285 1.6345753 1.6804935 0.2242317
## C8.A138.03TCGA -1.1992582 0.7719398 0.2928546 0.2928546 1.1705680
## NP_055456 NP_002365 NP_001034627 NP_061889 NP_000215 NP_061883
## A0.A12D.01TCGA 0.6999122 -1.974566 -1.875511 -7.974998 -2.469840 0.7875375
## C8.A131.01TCGA -0.4340635 -3.271628 -3.235197 -1.697002 -1.486513 2.6099430
## A0.A12B.01TCGA 0.7979672 -1.843247 -1.782275 -8.342354 1.343948 -1.2834097
## BH.A18Q.02TCGA -0.3934466 1.346152 1.265863 2.717759 -2.464238 0.3090836
## C8.A130.02TCGA 0.5882971 -1.412423 -1.189392 -1.619055 -4.095356 -0.6482134
## C8.A138.03TCGA -0.5117160 -3.656856 -3.656856 -4.143255 2.648052 -0.1423450
## NP_000214 NP_002271 NP_002268 NP_853515 NP_003762 NP_689562
## A0.A12D.01TCGA -1.1668889 -1.997425 -7.2549464 -4.275684 0.4217969 1.6371225
## C8.A131.01TCGA -0.1709512 -1.369124 -1.6970023 1.172945 0.4362309 2.2820646
## A0.A12B.01TCGA -1.5245279 1.172116 -4.9195834 -5.884056 -3.3564721 0.5014195
## BH.A18Q.02TCGA 1.9182123 -4.722371 -1.0324145 3.617666 -3.3775272 -3.0095352
## C8.A130.02TCGA 0.1159960 -3.580416 0.1717538 -3.078596 -1.6846520 -0.8745244
## C8.A138.03TCGA 2.3262240 5.061764 4.1328507 2.205538 -0.5738874 -0.4714875
## NP_002267 NP_002269 NP_066293 NP_000413 NP_002266 NP_000517
## A0.A12D.01TCGA 0.03319749 -5.8796093 2.4409899 -3.113696 -1.3878572 -2.629851
## C8.A131.01TCGA 0.06787375 -1.6970023 3.2576039 2.496602 0.4848055 1.172945
## A0.A12B.01TCGA -0.42425277 0.7342233 0.3600743 -3.916310 -3.4534737 -4.528806
## BH.A18Q.02TCGA -1.85537843 0.1618868 -2.8656838 2.319658 6.9162128 2.399947
## C8.A130.02TCGA -0.47438037 0.1717538 -3.5869759 -1.976560 -0.3235064 -1.579696
## C8.A138.03TCGA 0.13925474 -1.3748009 5.4896493 1.415596 -2.5121712 1.806910
## NP_005548 NP_056330 NP_000412 NP_705694 NP_001073027

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## A0.A12D.01TCGA -1.9364682 -0.7059034 -3.3346641 -0.5573212 -0.08109645
## C8.A131.01TCGA 2.4723150 4.3060051 -0.4057283 -0.4988296 -0.58383507
## A0.A12B.01TCGA -2.6164886 -2.0760512 -2.9102648 -0.3272512 1.23863156
## BH.A18Q.02TCGA 0.8610716 4.0525659 2.9920799 -0.6309687 -0.09905295
## C8.A130.02TCGA -1.8683246 -1.8322461 -1.4288222 -0.9630808 1.76577007
## C8.A138.03TCGA -0.4020019 -1.8721718 2.2201669 0.3367403 -0.12040214
## NP_003950 NP_005329 NP_001073341 NP_001008895 NP_001265443
## A0.A12D.01TCGA 1.7095087 0.2960736 0.7684885 0.74943955 0.76848854
## C8.A131.01TCGA -0.8307558 0.6426728 -0.5797872 -0.34905798 -0.29643553
## A0.A12B.01TCGA -1.3249818 -1.2861811 -1.2196658 0.26584423 0.28247307
## BH.A18Q.02TCGA 0.3124290 -1.5108041 -0.5272618 0.12174225 0.15185069
## C8.A130.02TCGA -1.5272183 0.4472628 0.1159960 0.01104023 -0.03815781
## C8.A138.03TCGA 1.4448534 0.4574258 0.8889683 0.97308247 0.94382535
## NP_000168 NP_001121134 NP_001121138 NP_001121135 NP_003913
## A0.A12D.01TCGA -0.1877708 -0.17634141 -0.187770800 -0.18396100 0.4256067
## C8.A131.01TCGA 0.3066987 0.37956059 0.432183038 0.38360847 0.4443267
## A0.A12B.01TCGA -1.0616918 -1.06169176 -1.081092076 -1.04229144 -0.3799092
## BH.A18Q.02TCGA -0.0154184 -0.00872764 0.004653887 -0.01541840 -0.4402819
## C8.A130.02TCGA 1.3656261 1.40826436 1.490261083 1.44106305 -0.2775882
## C8.A138.03TCGA -0.2008592 -0.07285933 -0.050916499 -0.07285933 0.5744543
## NP_001185594 NP_056128 NP_008841 NP_009045 NP_006697
## A0.A12D.01TCGA 0.4637047 0.4637047 0.53609085 0.4903733 0.2008286
## C8.A131.01TCGA 0.7074389 0.7074389 -0.02522751 -0.2357173 -0.1749991
## A0.A12B.01TCGA 1.1166867 1.1166867 -0.63211331 0.9143691 -0.1914490
## BH.A18Q.02TCGA -0.3031212 -0.2797036 -0.03549070 -1.4673141 0.2020314
## C8.A130.02TCGA 0.8342873 0.8375672 0.48334134 -1.1500334 0.6145361
## C8.A138.03TCGA 0.5305686 0.5305686 0.61102569 0.2928546 0.2891974
## NP_777597 NP_056130 NP_060548 NP_005246 NP_005325
## A0.A12D.01TCGA 0.3036932 0.94373925 1.0999410 0.0179583 -0.41635869
## C8.A131.01TCGA -0.7012236 -1.29221424 -0.6526491 -0.1709512 -0.22762155
## A0.A12B.01TCGA 0.1106417 0.95316975 0.9171406 0.9919704 -0.08059001
## BH.A18Q.02TCGA 1.7208348 -0.47708110 -0.7380209 -1.2565551 0.52987884
## C8.A130.02TCGA 1.0737177 0.07335773 -0.3628648 1.0277996 0.61453610
## C8.A138.03TCGA 0.2343404 -0.12771642 -0.9066871 0.5269115 0.50496865
## NP_037452 NP_056261 NP_008860 NP_056390 NP_000909
## A0.A12D.01TCGA 0.64657500 0.2427364 0.4217969 0.9665980 -0.2830158
## C8.A131.01TCGA 0.95840756 1.4886800 -0.2235737 0.8045881 0.6831517
## A0.A12B.01TCGA -0.29676497 -1.0034908 1.0529428 0.2492154 1.0972864
## BH.A18Q.02TCGA 0.21875833 -0.1358522 0.1083607 -0.7681293 0.8276178
## C8.A130.02TCGA 0.03399931 0.1881531 -0.2644688 0.5554985 -0.6711725
## C8.A138.03TCGA 0.45376871 0.1977690 0.3184546 -0.5226875 -1.3455438
## NP_056224 NP_006810 NP_002453 NP_002454 NP_001701
## A0.A12D.01TCGA -0.32111374 -0.46969586 -0.9573500 0.3989381 0.9056413
## C8.A131.01TCGA 0.03144283 0.03549071 -4.0528690 -1.3165015 -0.1790470
## A0.A12B.01TCGA -0.39653803 0.57624930 -0.2551929 -1.0727777 -2.0012214
## BH.A18Q.02TCGA 0.42617200 -1.28666351 1.1487745 1.0517584 -0.7748201
## C8.A130.02TCGA -0.06111689 1.04419892 4.1994328 1.0343593 0.6998127
## C8.A138.03TCGA 0.76828267 0.70976845 -3.5983415 0.1721690 0.4318259
## NP_071349 NP_001106963 NP_001106967 NP_997249 NP_001106965
## A0.A12D.01TCGA -0.9078227 -0.6754250 -0.8697247 0.91326087 -0.515413442
## C8.A131.01TCGA -1.0331499 -0.2721482 -0.6283618 -2.20298745 -0.247860958
## A0.A12B.01TCGA -0.4713678 0.0995558 0.1466709 -0.64597068 0.002554209
## BH.A18Q.02TCGA -0.6945309 0.1117061 0.7004933 1.20564597 0.195340653
## C8.A130.02TCGA 0.9654821 -0.6580530 -0.6744524 -0.01519873 -0.589175778

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## C8.A138.03TCGA -1.3492009 -0.5300017 -0.9176585 0.05148340 -0.595830234
## NP_001779 NP_001011553 NP_060713 NP_004395 NP_055944
## A0.A12D.01TCGA -0.02394948 -0.02775928 -0.09633564 0.03319749 -0.05823766
## C8.A131.01TCGA -0.21952579 -0.21143003 0.46051820 0.18526230 0.22574111
## A0.A12B.01TCGA -0.36605182 -0.36605182 -0.32447971 -1.15869335 -0.75682963
## BH.A18Q.02TCGA -0.08901681 -0.06225375 0.01134465 -0.16930597 0.52987884
## C8.A130.02TCGA -0.38254404 -0.41534273 -0.05783702 -0.46126089 -0.15295322
## C8.A138.03TCGA 0.38794020 0.37696878 0.10999762 0.30016886 -0.10577359
## NP_653311 NP_001092281 NP_775873 NP_055966 NP_055789
## A0.A12D.01TCGA 0.2046384 0.01795830 1.6599813 1.492350191 0.9132609
## C8.A131.01TCGA 0.3269381 -0.06165844 0.3957521 0.407895752 0.8653063
## A0.A12B.01TCGA 0.9282265 -0.93697544 -1.1836366 -0.191448962 -0.6764569
## BH.A18Q.02TCGA 0.4897343 0.33919207 0.3525736 0.007999269 -0.3599927
## C8.A130.02TCGA -1.0089990 -0.26446876 -0.4022233 0.332467374 0.8047685
## C8.A138.03TCGA -1.0822297 0.99868244 0.4208545 0.779254092 0.8377683
## NP_597734 NP_001122405 NP_055144 NP_060040 NP_066363
## A0.A12D.01TCGA 0.03700729 0.03700729 -0.4277881 1.4161542 0.87897269
## C8.A131.01TCGA -1.57556590 -1.57556590 0.5738589 1.3672435 0.05573011
## A0.A12B.01TCGA -2.71903314 -2.71903314 -0.3494230 0.2797016 -0.61825594
## BH.A18Q.02TCGA 0.85438088 0.78412786 0.3291559 -0.3165028 0.37933666
## C8.A130.02TCGA -1.75352923 -1.60593513 0.1783135 -0.2775882 -0.03487794
## C8.A138.03TCGA -0.65434446 -0.62508735 -0.4495447 3.1381089 1.31685355
## NP_065176 NP_660093 NP_001104488 NP_055718 NP_361013
## A0.A12D.01TCGA 1.97238476 1.0580332 0.4027479 -0.9383010 1.4733012
## C8.A131.01TCGA 1.40367446 0.5171885 0.2297890 0.2135975 1.4320096
## A0.A12B.01TCGA -0.05010379 -1.0866350 -0.6043986 -1.0866350 -1.5550141
## BH.A18Q.02TCGA -1.35357115 0.6001319 0.6001319 -0.7681293 -0.6175871
## C8.A130.02TCGA -0.86140489 -0.5104589 -0.5104589 -1.1664327 0.4439829
## C8.A138.03TCGA 1.24371077 1.4448534 1.4448534 -0.8445157 1.0096539
## NP_001004060 NP_055102 NP_079031 NP_001013865 NP_055831
## A0.A12D.01TCGA 0.6465750 0.6961024 0.4675145 0.4675145 -0.05061807
## C8.A131.01TCGA 0.3957521 0.3633691 -0.6526491 -0.6526491 0.82887537
## A0.A12B.01TCGA 0.7259089 0.7203659 -0.2191637 -0.2191637 -0.61825594
## BH.A18Q.02TCGA 0.5767142 0.5767142 -1.8051977 -1.8051977 1.65727253
## C8.A130.02TCGA -0.2218305 -0.2316701 0.3685459 0.3685459 0.80804836
## C8.A138.03TCGA -0.2081735 -0.2081735 1.2912536 1.2875964 0.28188316
## NP_005177 NP_001307 NP_996810 NP_996811 NP_001156423
## A0.A12D.01TCGA -1.16307913 0.37607933 0.9475491 0.9475491 0.8561139
## C8.A131.01TCGA 0.19335806 -0.71741515 -1.9924976 -1.9074921 -2.0532159
## A0.A12B.01TCGA 0.75362363 -0.05841822 0.8727970 0.9254550 1.4797498
## BH.A18Q.02TCGA -0.09905295 -0.09570757 -3.6083585 -3.5648686 -3.6786115
## C8.A130.02TCGA -0.27758824 0.81132823 -3.6460136 -3.5968155 -3.5213785
## C8.A138.03TCGA 0.68416847 2.15799556 0.8304540 0.8304540 1.1778823
## NP_001092 XP_003960357 NP_001264012 XP_003846703 NP_001264232
## A0.A12D.01TCGA 0.6541946 1.1113704 0.9285001 1.1075606 2.8791167
## C8.A131.01TCGA 1.1405622 1.8206062 1.9744257 1.7315528 0.1569271
## A0.A12B.01TCGA -1.2196658 -1.4552410 -1.5078991 -1.3610109 -1.7822750
## BH.A18Q.02TCGA 0.1117061 0.7540194 0.2890113 0.8476901 -3.3608003
## C8.A130.02TCGA -0.1037552 0.1684739 0.3226278 0.1455148 1.5919370
## C8.A138.03TCGA 0.3659974 0.6475971 0.8085112 0.2745689 1.5362819
## NP_001605 NP_001135417 NP_001606 NP_001091 NP_001077007
## A0.A12D.01TCGA 0.58561823 1.02374502 0.95516865 1.0694626 0.0179583
## C8.A131.01TCGA 1.10817915 1.35509989 1.36724353 1.3915308 1.1162749
## A0.A12B.01TCGA -1.23075167 -1.88204803 -1.84601887 -1.9125342 -1.6464727

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| | | | | | | |
|----|----------------|--------------|--------------|--------------|-------------|--------------|
| ## | BH.A18Q.02TCGA | 0.08159767 | 0.01134465 | 0.01803541 | 0.0949792 | 0.9413608 |
| ## | C8.A130.02TCGA | -0.11031492 | -0.17263243 | -0.17263243 | -0.1201545 | -0.2283902 |
| ## | C8.A138.03TCGA | 0.43182587 | 0.51228293 | 0.48302582 | 0.4793687 | 0.6110257 |
| ## | NP_001017992 | NP_001093241 | NP_001264335 | NP_003706 | NP_064522 | |
| ## | A0.A12D.01TCGA | 1.30947988 | 0.92850006 | 1.1227998 | 4.9287881 | 0.3494107 |
| ## | C8.A131.01TCGA | 1.75584010 | 1.37129141 | 1.9056117 | 0.1124004 | 0.1124004 |
| ## | A0.A12B.01TCGA | -1.97904961 | -1.43306926 | -1.4192119 | 0.9337694 | 0.3683888 |
| ## | BH.A18Q.02TCGA | -0.88856307 | 0.63693106 | 0.7172202 | -1.6145109 | -0.6945309 |
| ## | C8.A130.02TCGA | 0.07007786 | 0.03071944 | 0.1750337 | -0.8286062 | -0.5301381 |
| ## | C8.A138.03TCGA | 0.81948262 | 0.39159734 | 0.6402828 | -0.7384587 | 0.3001689 |
| ## | NP_997555 | NP_005372 | NP_001005751 | NP_060702 | NP_056077 | |
| ## | A0.A12D.01TCGA | 0.6351456 | -0.05442786 | -0.54589183 | -0.54589183 | -0.435407680 |
| ## | C8.A131.01TCGA | -0.0899936 | -1.36102821 | 0.05573011 | 0.04358647 | 0.055730111 |
| ## | A0.A12B.01TCGA | 0.2603013 | -1.42198336 | 0.44876150 | 0.40164645 | 0.518048350 |
| ## | BH.A18Q.02TCGA | -0.8952538 | -1.09932213 | -0.03549070 | -0.05221761 | -0.012073022 |
| ## | C8.A130.02TCGA | -0.4350219 | 0.89004508 | -0.15295322 | -0.15951296 | -0.136553874 |
| ## | C8.A138.03TCGA | 0.4683973 | -0.87011567 | 0.08805479 | 0.15754043 | 0.003940589 |
| ## | NP_001129477 | NP_061874 | NP_004387 | NP_001091974 | NP_001347 | |
| ## | A0.A12D.01TCGA | 0.36464993 | 1.66379111 | -0.6525662 | 0.3798891 | 0.029387696 |
| ## | C8.A131.01TCGA | -0.08189784 | 0.18526230 | -0.4988296 | -0.4462071 | 0.165022896 |
| ## | A0.A12B.01TCGA | 0.72313742 | -0.91757512 | -0.3854521 | 0.1438994 | 0.002554209 |
| ## | BH.A18Q.02TCGA | 0.47300735 | 0.89452546 | -0.1525791 | 0.3994089 | 0.044798469 |
| ## | C8.A130.02TCGA | 0.97204180 | 0.07007786 | 0.9950009 | 1.3229878 | 0.968761934 |
| ## | C8.A138.03TCGA | -2.00748595 | 0.36965451 | -0.8042872 | -0.2630306 | 0.066111955 |
| ## | NP_004651 | NP_077726 | NP_001839 | NP_004960 | NP_002147 | |
| ## | A0.A12D.01TCGA | 0.08653467 | -0.4658861 | -0.75543073 | 0.2313070 | -1.2202261 |
| ## | C8.A131.01TCGA | 0.18526230 | 1.1446101 | -0.56764355 | 0.2743157 | -0.4057283 |
| ## | A0.A12B.01TCGA | -0.03347495 | -0.1083047 | -4.12139892 | 0.9697986 | 1.0862005 |
| ## | BH.A18Q.02TCGA | -0.08901681 | -0.6008602 | 0.08159767 | -0.8517639 | -1.1495029 |
| ## | C8.A130.02TCGA | 0.96548207 | 1.5427390 | 0.54565885 | 2.1593543 | -0.6285342 |
| ## | C8.A138.03TCGA | 0.01491201 | 0.5159401 | 0.23068322 | 1.2181108 | -0.5409731 |
| ## | NP_006301 | NP_000080 | NP_009330 | NP_644671 | NP_003142 | |
| ## | A0.A12D.01TCGA | -1.6393039 | 1.077082 | 2.2505000 | 2.2619294 | 2.20859225 |
| ## | C8.A131.01TCGA | -1.7536727 | 1.670835 | -2.1746523 | -2.1989396 | -2.00868916 |
| ## | A0.A12B.01TCGA | 2.4220509 | -2.533344 | -0.4879967 | -0.4963111 | -0.01961758 |
| ## | BH.A18Q.02TCGA | -2.1230090 | -1.116049 | 2.8549192 | 2.9485899 | 2.22933282 |
| ## | C8.A130.02TCGA | 0.3095083 | 1.437783 | -0.6186946 | -0.6055751 | -0.53997774 |
| ## | C8.A138.03TCGA | -1.5869149 | 1.656967 | 1.1595966 | 1.2656536 | 2.73582355 |
| ## | NP_003631 | NP_001092879 | NP_001136086 | NP_060360 | NP_062538 | |
| ## | A0.A12D.01TCGA | -0.43540768 | -0.30206474 | 0.73039056 | 1.1113704 | -0.04299847 |
| ## | C8.A131.01TCGA | -0.37739315 | 1.46439267 | 1.57773334 | -0.2559567 | 0.31479449 |
| ## | A0.A12B.01TCGA | 0.37116024 | -0.80948764 | -0.88154596 | 0.7702525 | -0.28567907 |
| ## | BH.A18Q.02TCGA | -0.52726183 | 0.75736481 | 0.19199527 | -1.4037519 | -0.29643048 |
| ## | C8.A130.02TCGA | -0.42190247 | 0.18159341 | 0.47350173 | -0.5694966 | 0.69325295 |
| ## | C8.A138.03TCGA | 0.01856914 | -0.02165938 | -0.06554506 | 1.7739959 | 0.01491201 |
| ## | NP_055586 | NP_002636 | NP_004784 | NP_001076581 | NP_056289 | |
| ## | A0.A12D.01TCGA | 0.242736393 | 0.4294165 | -1.15926933 | 0.1170131 | 0.4294165 |
| ## | C8.A131.01TCGA | 0.415991514 | 0.1447835 | -0.04951479 | -0.7133673 | 0.0152513 |
| ## | A0.A12B.01TCGA | 0.002554209 | 0.2492154 | 2.13936057 | 3.7856160 | -0.2939935 |
| ## | BH.A18Q.02TCGA | -0.453663428 | -0.5406434 | -0.96216147 | -1.0658683 | 2.2560959 |
| ## | C8.A130.02TCGA | 0.673573736 | -0.7990874 | -1.35010535 | -1.8683246 | -0.3497454 |
| ## | C8.A138.03TCGA | 0.267254609 | 0.8121683 | -1.31628665 | 1.6021104 | -0.4166304 |
| ## | NP_001265387 | NP_001265389 | NP_004738 | NP_064627 | NP_055129 | |
| ## | A0.A12D.01TCGA | -0.6106584 | -0.4620763 | 1.07327239 | 0.7608689 | 0.3646499 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A131.01TCGA | -0.4502550 | -0.4219198 | 0.89768934 | 0.8572105 | -2.2070353 |
| ## | A0.A12B.01TCGA | -1.4302978 | -1.3776398 | 0.17438559 | -0.5794553 | 2.3444496 |
| ## | BH.A18Q.02TCGA | -0.5841333 | -0.5841333 | -1.80854308 | -1.4706595 | 1.1989552 |
| ## | C8.A130.02TCGA | -0.8843640 | -0.8843640 | 1.78216941 | -0.6088550 | 0.2045525 |
| ## | C8.A138.03TCGA | -1.2943438 | -1.2797153 | 0.02954056 | 0.6329685 | 1.6789103 |
| ## | | NP_001244957 | NP_055699 | NP_004810 | NP_060225 | NP_001180384 |
| ## | A0.A12D.01TCGA | 0.8408747 | -0.3592117 | 0.5056125 | -0.05442786 | -0.06966706 |
| ## | C8.A131.01TCGA | 0.4969491 | -1.4905604 | 0.2419326 | -1.05338926 | -1.05338926 |
| ## | A0.A12B.01TCGA | -0.6210274 | -0.2801361 | -0.7152575 | 0.33790255 | 0.22427212 |
| ## | BH.A18Q.02TCGA | -0.3901012 | -1.0324145 | 0.3559190 | 0.10501534 | 0.10501534 |
| ## | C8.A130.02TCGA | 0.9818814 | 2.0412791 | 0.6670140 | 1.08683721 | 1.10979629 |
| ## | C8.A138.03TCGA | -0.5738874 | -1.5832578 | 1.0571967 | -1.29068668 | -1.35285804 |
| ## | | NP_002262 | NP_036548 | NP_001230131 | NP_001030128 | NP_001030126 |
| ## | A0.A12D.01TCGA | 0.8294453 | -0.02013968 | -0.04299847 | -0.1725316 | -0.2715864 |
| ## | C8.A131.01TCGA | 0.7722050 | -0.09808936 | 0.04763435 | -1.8629654 | -1.8913006 |
| ## | A0.A12B.01TCGA | -0.1775916 | 0.40164645 | 0.43213266 | -2.0455650 | -2.0982230 |
| ## | BH.A18Q.02TCGA | 0.6670395 | 1.38629660 | 1.42644118 | 0.4395535 | 0.4428989 |
| ## | C8.A130.02TCGA | 0.5063004 | -0.70069132 | -0.55309722 | -0.7761283 | -0.7761283 |
| ## | C8.A138.03TCGA | -0.5409731 | 0.72439700 | 0.41354018 | -0.6982301 | -0.7348015 |
| ## | | NP_001030129 | NP_001257700 | NP_001139145 | NP_001139144 | NP_003594 |
| ## | A0.A12D.01TCGA | -0.07728665 | 1.1685173 | 1.038984 | 1.1075606 | 1.1075606 |
| ## | C8.A131.01TCGA | -1.85891757 | 1.1891368 | 1.160802 | 1.1446101 | 1.1446101 |
| ## | A0.A12B.01TCGA | -1.99290698 | 0.2464439 | 0.130042 | 0.1522138 | 0.1522138 |
| ## | BH.A18Q.02TCGA | 0.44289891 | 4.1897266 | 4.270016 | 4.2700158 | 4.2599796 |
| ## | C8.A130.02TCGA | -0.81876660 | -1.5567371 | -1.369785 | -1.5698566 | -1.5993754 |
| ## | C8.A138.03TCGA | -0.46783036 | -2.8083994 | -2.877885 | -2.8815422 | -2.8815422 |
| ## | | NP_001139146 | NP_003604 | NP_001243778 | NP_001399 | NP_055061 |
| ## | A0.A12D.01TCGA | 1.1075606 | -0.2944451 | -0.1611022 | -0.4239783 | -0.9421108 |
| ## | C8.A131.01TCGA | 1.1081792 | -1.8184388 | 0.2621720 | -1.2395918 | -0.6688406 |
| ## | A0.A12B.01TCGA | 0.1522138 | -4.0687409 | -0.3300227 | 4.3842544 | 2.6853409 |
| ## | BH.A18Q.02TCGA | 4.1897266 | -3.0429890 | 1.4431681 | -1.6245471 | -2.0862098 |
| ## | C8.A130.02TCGA | -1.5698566 | 3.6188960 | 0.6571744 | -1.7371299 | -0.4547012 |
| ## | C8.A138.03TCGA | -2.8778851 | 2.5749094 | -0.9578870 | -1.2504581 | 0.8597112 |
| ## | | NP_001420 | NP_004371 | NP_056989 | NP_115921 | NP_001419 |
| ## | A0.A12D.01TCGA | 1.2942407 | 0.09796406 | -0.58398981 | 3.3286729 | -1.928849 |
| ## | C8.A131.01TCGA | 0.1771665 | 0.43623092 | -0.02117963 | 0.7074389 | 1.083892 |
| ## | A0.A12B.01TCGA | 0.0773840 | 0.10232727 | -0.49353961 | -2.6802325 | -2.048336 |
| ## | BH.A18Q.02TCGA | 1.0617946 | 0.97481463 | -1.04579602 | -1.9022138 | 2.252750 |
| ## | C8.A130.02TCGA | 0.8277276 | 1.21475210 | 0.42758357 | 1.8641661 | 0.466942 |
| ## | C8.A138.03TCGA | 0.3915973 | 1.02428242 | 0.67319706 | 3.3758229 | -0.299602 |
| ## | | NP_001188412 | NP_001966 | NP_001967 | NP_003096 | NP_003655 |
| ## | A0.A12D.01TCGA | -1.7497880 | -2.27173040 | -1.39166702 | 0.09034447 | 0.4179871 |
| ## | C8.A131.01TCGA | 1.0353173 | 0.11644833 | 0.73577411 | -0.29643553 | -0.2235737 |
| ## | A0.A12B.01TCGA | -1.7711891 | -0.59608415 | -1.50789905 | 1.57397990 | 1.6737530 |
| ## | BH.A18Q.02TCGA | 2.3564573 | 0.42282662 | 1.91486693 | -0.28639433 | -0.3265389 |
| ## | C8.A130.02TCGA | 0.4079044 | 0.24391091 | 0.09959668 | -0.37926417 | -0.1037552 |
| ## | C8.A138.03TCGA | -0.4239447 | -0.02531652 | -0.03263080 | 2.31890968 | 0.3330831 |
| ## | | NP_004635 | NP_001265440 | NP_001106207 | NP_055521 | NP_055799 |
| ## | A0.A12D.01TCGA | -0.08109645 | -0.3706411 | 0.56275944 | -0.53446243 | -1.2964221 |
| ## | C8.A131.01TCGA | -0.22357367 | -0.1911906 | -0.08594572 | -0.60002660 | -1.2598312 |
| ## | A0.A12B.01TCGA | 1.96475771 | 2.0229587 | -0.11939064 | 0.07184106 | 0.6483076 |
| ## | BH.A18Q.02TCGA | 0.17526836 | 0.1083607 | 0.11839687 | 0.13512378 | -0.7112578 |
| ## | C8.A130.02TCGA | -0.16279283 | -0.1431136 | -0.11687466 | 0.17175380 | -0.2152707 |
| ## | C8.A138.03TCGA | 0.02954056 | 0.3696545 | 1.42291058 | 0.01856914 | -0.2118306 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_001138829 | NP_055704 | NP_001240628 | NP_065845 | NP_056044 |
| ## | AO.A12D.01TCGA | -0.3211137 | -0.5535114 | 0.03700729 | 1.92666718 | 1.63331272 |
| ## | C8.A131.01TCGA | -0.3126271 | -0.4219198 | -0.32072281 | 1.20937618 | 0.25812416 |
| ## | AO.A12B.01TCGA | -0.4187098 | 1.9564433 | 0.04689779 | -3.36201508 | -0.39930950 |
| ## | BH.A18Q.02TCGA | 0.4495897 | -0.1124345 | 0.47969811 | 0.94136081 | -0.06225375 |
| ## | C8.A130.02TCGA | 0.8211678 | 2.1003167 | -0.21855060 | -0.09719545 | 1.61489610 |
| ## | C8.A138.03TCGA | 1.0023396 | -0.2337735 | 0.78656837 | -0.03263080 | 0.19045469 |
| ## | | NP_039269 | NP_056018 | NP_054722 | NP_004932 | NP_054828 |
| ## | AO.A12D.01TCGA | -0.73257194 | -0.67542497 | -0.01252008 | -0.4201685 | -1.7955056 |
| ## | C8.A131.01TCGA | -0.88337826 | -0.52716474 | 1.18913677 | 0.4929013 | -0.4583508 |
| ## | AO.A12B.01TCGA | 0.96702712 | 0.87833995 | -0.69585721 | 0.3683888 | -1.2141228 |
| ## | BH.A18Q.02TCGA | -0.02210917 | -0.22617746 | 0.57336880 | -0.0154184 | 0.2388306 |
| ## | C8.A130.02TCGA | 1.27378974 | -0.32350640 | 0.30950829 | 0.8211678 | 1.3557865 |
| ## | C8.A138.03TCGA | 1.06085381 | 0.08074051 | 0.10634048 | -0.1094307 | 0.2050832 |
| ## | | NP_060022 | NP_877423 | NP_001245303 | NP_067058 | NP_001265119 |
| ## | AO.A12D.01TCGA | -0.3554019 | -0.6487564 | -0.7820993 | -0.7363817 | 0.1665404 |
| ## | C8.A131.01TCGA | -0.4340635 | 0.4119436 | -0.9440965 | -1.0048147 | 0.8167317 |
| ## | AO.A12B.01TCGA | -0.8870889 | -2.0317076 | 1.8788420 | 1.8926994 | -1.9596493 |
| ## | BH.A18Q.02TCGA | -1.7282539 | -0.2797036 | -0.6108964 | -0.5975148 | -0.4670450 |
| ## | C8.A130.02TCGA | 0.1455148 | 0.8998847 | 0.9556425 | 0.9589223 | -0.6121349 |
| ## | C8.A138.03TCGA | 0.5707972 | -1.8575432 | -1.1663439 | -1.1480582 | 0.6329685 |
| ## | | NP_001138632 | NP_001018008 | NP_112600 | NP_000357 | NP_001018005 |
| ## | AO.A12D.01TCGA | 1.15327815 | 0.3227422 | 0.3875087 | 0.68086318 | 0.6922926 |
| ## | C8.A131.01TCGA | 1.31866896 | 0.9381682 | -0.1223767 | 1.33486049 | 1.2377113 |
| ## | AO.A12B.01TCGA | -2.69408987 | -2.3587415 | -1.7684176 | -2.45574312 | -2.5416588 |
| ## | BH.A18Q.02TCGA | -0.42020961 | -1.6713824 | 0.2321399 | -1.08259522 | -1.4438965 |
| ## | C8.A130.02TCGA | 0.08319734 | -0.5071791 | 0.1455148 | -0.06767663 | -0.2743084 |
| ## | C8.A138.03TCGA | 1.02793955 | 0.1685119 | 0.3147974 | 0.73171128 | 0.6037114 |
| ## | | NP_001018020 | NP_998839 | NP_003281 | NP_003280 | NP_001036817 |
| ## | AO.A12D.01TCGA | 0.1741600 | 1.3666269 | 1.168517347 | 1.30186028 | 0.4065577 |
| ## | C8.A131.01TCGA | 0.9462639 | 1.6344037 | 1.448201151 | 1.63440367 | 0.8976893 |
| ## | AO.A12B.01TCGA | -2.8215777 | -3.2954997 | -2.743976402 | -2.80494883 | -2.1397951 |
| ## | BH.A18Q.02TCGA | -1.0692137 | -0.5372980 | -0.888563070 | -0.54733412 | -0.5707518 |
| ## | C8.A130.02TCGA | -0.4284622 | -0.2513493 | -0.002079251 | -0.06439676 | -0.5432576 |
| ## | C8.A138.03TCGA | 0.3330831 | 0.8121683 | 1.038910973 | 0.96211105 | 0.7426827 |
| ## | | NP_689476 | NP_005110 | NP_055554 | NP_001070908 | NP_002005 |
| ## | AO.A12D.01TCGA | 0.8180159 | -0.10014544 | -0.5877996 | -0.5611310 | -1.3535690 |
| ## | C8.A131.01TCGA | 1.1527058 | -0.26405248 | -1.0250541 | -0.8590910 | -2.8668399 |
| ## | AO.A12B.01TCGA | -2.3448842 | 0.03026895 | 0.7009656 | 0.6538506 | 2.2280477 |
| ## | BH.A18Q.02TCGA | -1.4740049 | -1.06921369 | 0.3860274 | 0.3023929 | -0.9688522 |
| ## | C8.A130.02TCGA | -0.4383018 | 0.93924311 | 0.7358912 | 0.7391711 | 0.9097243 |
| ## | C8.A138.03TCGA | 0.8779968 | -0.12771642 | 0.2891974 | 0.3477117 | -2.4207427 |
| ## | | NP_005984 | NP_001171914 | NP_006639 | NP_115763 | NP_065973 |
| ## | AO.A12D.01TCGA | -1.12117135 | 0.04462689 | 0.16273063 | 0.18177962 | -0.06204746 |
| ## | C8.A131.01TCGA | -0.95219224 | 0.46051820 | 0.31074661 | 0.61433768 | 0.19740594 |
| ## | AO.A12B.01TCGA | 0.29633044 | 0.25752981 | -0.02238906 | -0.64042773 | -0.11661917 |
| ## | BH.A18Q.02TCGA | 0.80420015 | -0.52726183 | -0.11243448 | 0.29904749 | 0.14850531 |
| ## | C8.A130.02TCGA | 0.01432009 | 1.91664404 | 1.16883393 | 2.24463092 | 1.99208102 |
| ## | C8.A138.03TCGA | -0.31788766 | 0.13194046 | -0.22280204 | 0.04051198 | -0.06554506 |
| ## | | XP_003960567 | NP_067062 | NP_001017915 | NP_001558 | NP_005769 |
| ## | AO.A12D.01TCGA | NA | 0.6922926 | 0.58561823 | -0.2182492 | 0.3913185 |
| ## | C8.A131.01TCGA | NA | -0.1061851 | 1.36724353 | 0.6467207 | 0.6548165 |
| ## | AO.A12B.01TCGA | NA | 0.1993289 | -1.60212917 | -0.2441070 | 0.2492154 |
| ## | BH.A18Q.02TCGA | -7.7900858 | -0.1693060 | 1.83792315 | -0.4670450 | -0.3231935 |

```

## C8.A130.02TCGA -0.3497454 0.6178160 0.05039865 1.6280156 0.1815934
## C8.A138.03TCGA -0.5738874 0.6841685 -0.01068797 0.6219971 0.8011969
## NP_001485 NP_001484 NP_055625 NP_036329 NP_055672
## A0.A12D.01TCGA -0.4201685 -1.2202261 0.3113128 0.14368164 1.33614847
## C8.A131.01TCGA 0.6021940 -0.8105164 1.2984296 -0.41382408 0.98269484
## A0.A12B.01TCGA 0.1799285 -0.3106223 -0.4547390 0.06352663 -0.29676497
## BH.A18Q.02TCGA 0.3224652 0.2120676 0.1485053 -0.81831005 0.04479847
## C8.A130.02TCGA -0.1759123 -0.6154147 0.5390991 2.25119066 0.62437570
## C8.A138.03TCGA -0.6104588 -0.2630306 1.7630245 -0.02897366 0.44279729
## NP_001230694 NP_795352 NP_001248335 NP_005753 NP_003160
## A0.A12D.01TCGA 1.8923790 0.6351456 -0.1420532 0.21225801 -0.3134941
## C8.A131.01TCGA 0.6750559 -0.2276216 0.1326398 -0.89147403 -0.2478610
## A0.A12B.01TCGA 0.2104148 1.0141422 -0.7402008 -0.84551680 0.0136401
## BH.A18Q.02TCGA -0.7815108 -1.6780732 0.5231881 -0.01207302 0.3224652
## C8.A130.02TCGA 0.7555705 -0.3431856 -0.8417257 0.63093544 0.6998127
## C8.A138.03TCGA 1.3022250 0.3586831 -0.9103442 -0.27034485 -0.1533164
## NP_001124297 NP_055903 NP_001020014 NP_055315 NP_055842
## A0.A12D.01TCGA -0.31349414 1.6980793 1.57235595 -0.1268140 1.3475779
## C8.A131.01TCGA -0.24786096 0.9745991 0.80054020 -1.3893634 -0.8469473
## A0.A12B.01TCGA 0.01364010 0.9032832 1.15271587 -2.1314807 -0.2274781
## BH.A18Q.02TCGA 0.31242902 -0.3533020 -0.14588830 -0.6644225 -1.9590853
## C8.A130.02TCGA 0.70637242 0.1717538 -0.00535912 1.1294755 -0.5694966
## C8.A138.03TCGA -0.09845931 -0.3288591 -0.38737330 0.7829112 0.9109111
## NP_055427 NP_060318 NP_003866 NP_001129487 NP_056073
## A0.A12D.01TCGA 0.2389266 -0.2753962 2.4028920 -0.7059034 0.05605628
## C8.A131.01TCGA -0.5312126 -0.7052715 -0.1183288 0.6467207 0.71958258
## A0.A12B.01TCGA 0.6566220 -0.1304765 0.2270436 -0.9425184 -0.18313454
## BH.A18Q.02TCGA -1.0023061 -0.4235550 1.0952484 -0.1693060 -0.24290437
## C8.A130.02TCGA 0.1127162 0.7227718 0.9425230 -0.4219025 -0.64165368
## C8.A138.03TCGA 0.3367403 -0.1789164 -1.2687438 1.2400536 -0.20817348
## NP_001073884 NP_937879 NP_055599 NP_002717 NP_005057
## A0.A12D.01TCGA -0.08109645 0.1170131 0.1170131 -0.6716152 0.23511680
## C8.A131.01TCGA -0.45025500 0.2014538 0.1974059 -2.0775031 -0.03737115
## A0.A12B.01TCGA 0.06629811 0.7009656 0.7563951 -2.4696005 0.22427212
## BH.A18Q.02TCGA 0.64027644 -0.2495951 -0.2495951 0.1250876 -1.64461937
## C8.A130.02TCGA 1.66409413 -0.3103869 -0.3530252 5.8295276 1.40170462
## C8.A138.03TCGA -0.29594482 0.9803967 0.7499970 -0.8591443 0.23799750
## NP_031389 NP_002038 NP_056175 NP_001123917 NP_003857
## A0.A12D.01TCGA -0.5687506 1.3704367 -0.84686588 -1.4602434 4.3458890
## C8.A131.01TCGA -0.2316694 1.2700944 -1.26792695 -1.0129105 -0.1223767
## A0.A12B.01TCGA -0.3189368 -1.1088068 0.44044708 -0.7596011 0.1106417
## BH.A18Q.02TCGA -0.1826875 -0.1893783 0.75401942 -1.6111656 -4.4647763
## C8.A130.02TCGA 1.4148241 1.1622742 0.02743957 -2.6095750 -0.5465375
## C8.A138.03TCGA -0.4641732 -0.5592588 0.30382600 -2.3146856 -0.9396013
## NP_001681 NP_001025226 NP_003391 NP_001007554 NP_009089
## A0.A12D.01TCGA 0.26940498 0.0179583 0.7494395 1.33614847 1.3780562
## C8.A131.01TCGA 0.16907078 0.5171885 -0.2964355 0.09620892 0.1366877
## A0.A12B.01TCGA 0.01918305 -0.2025349 -0.4575105 -0.61548446 -0.6321133
## BH.A18Q.02TCGA 0.98819615 -0.2462498 0.6235495 -0.30646663 -0.3131574
## C8.A130.02TCGA -0.33990574 -0.3891038 -0.2841480 1.37874554 1.3951449
## C8.A138.03TCGA -0.68360157 1.1303395 1.2034822 -0.15697353 -0.1642878
## NP_060530 NP_079461 NP_002379 NP_001257401 NP_064504
## A0.A12D.01TCGA -0.4354077 0.95135885 -1.13260074 -1.04878519 0.45989489
## C8.A131.01TCGA -0.5878830 -0.04141903 0.67100801 0.61433768 0.16907078

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## A0.A12B.01TCGA 2.0451305 -0.04733232 -2.27005437 -2.32271237 0.07738400
## BH.A18Q.02TCGA -0.9220169 -1.23313740 -0.03214531 -0.06894451 -0.02210917
## C8.A130.02TCGA 0.5095803 0.62437570 0.94908272 0.97532167 0.15863432
## C8.A138.03TCGA 0.5378829 2.63708079 -1.85388611 -1.74782907 -0.32520194
## NP_060707 NP_150241 NP_150243 NP_150242 NP_150247
## A0.A12D.01TCGA -0.366831313 1.4199640 1.1227998 1.1304194 1.1418488
## C8.A131.01TCGA -0.118328769 0.2864593 0.3188424 0.3390818 0.3633691
## A0.A12B.01TCGA 0.396103500 -0.2053063 -0.1997634 -0.2025349 -0.1997634
## BH.A18Q.02TCGA -0.005382259 3.1258952 3.0221883 2.8616100 2.9218269
## C8.A130.02TCGA 1.063878131 0.4833413 0.4833413 0.4275836 0.4505427
## C8.A138.03TCGA 0.077083372 -0.4458875 -0.6214302 -0.6068017 -0.6214302
## NP_150252 NP_150249 NP_002188 NP_000405 NP_001186221
## A0.A12D.01TCGA 1.3323387 1.3780562 -0.3934999 1.4085346 1.4466326
## C8.A131.01TCGA 0.3390818 0.3714648 0.5576673 -2.6158713 -2.7818344
## A0.A12B.01TCGA -0.2330211 -0.2690502 -1.0090338 0.6787938 0.6510791
## BH.A18Q.02TCGA 3.0957867 3.0890960 0.4663166 -1.3201173 -1.3201173
## C8.A130.02TCGA 0.4505427 0.4997407 -1.1992314 -1.4976995 -1.5009793
## C8.A138.03TCGA -0.7311444 -0.8079443 -1.9453146 2.0994813 2.1653098
## NP_005426 XP_003960466 NP_001003702 NP_073739 NP_055754
## A0.A12D.01TCGA -0.6068486 -0.6068486 -0.6106584 0.31512256 0.3036932
## C8.A131.01TCGA -0.0899936 -0.2195258 -0.5190690 -1.05743714 0.4524224
## A0.A12B.01TCGA -0.1138477 -0.1221621 0.1161846 0.62890731 0.2381295
## BH.A18Q.02TCGA -1.6145109 -1.4505872 -2.4608925 0.54660575 0.2254491
## C8.A130.02TCGA 0.7030926 0.7326114 1.3787455 -0.09063571 -0.6744524
## C8.A138.03TCGA 0.1392547 0.1392547 0.4391401 0.16851185 -0.1642878
## NP_001120 NP_937791 NP_036333 NP_001139138 NP_056981
## A0.A12D.01TCGA 1.572356 1.2142349 2.8219698 2.7991110 0.006528907
## C8.A131.01TCGA -0.450255 -2.2353705 2.0553833 2.0149045 0.581954632
## A0.A12B.01TCGA -2.588774 -2.0150788 -1.3637824 -1.3443821 -0.712486051
## BH.A18Q.02TCGA -1.256555 -2.1464266 2.0654091 2.0453368 0.553296512
## C8.A130.02TCGA 0.316068 2.4512627 -0.8712445 -0.8548452 0.949082720
## C8.A138.03TCGA 2.029996 0.6768542 1.4119392 1.4302249 -1.093201161
## NP_000923 NP_055160 NP_001737 NP_004353 NP_001136157
## A0.A12D.01TCGA 1.09994098 -0.91544225 2.2847882 8.6928687 0.1093935
## C8.A131.01TCGA 1.01507789 -0.28429189 -0.5959787 0.3431297 0.1447835
## A0.A12B.01TCGA -0.01961758 0.23535802 -0.6986287 -0.7235719 1.1444014
## BH.A18Q.02TCGA -0.74136627 -0.21614132 -0.1358522 -5.9501258 -1.3669527
## C8.A130.02TCGA 0.65389452 0.46694200 -2.9080431 -4.0199186 -1.4550612
## C8.A138.03TCGA 0.30382600 0.06245481 2.0775385 1.0681681 1.1376537
## NP_001020769 NP_065805 NP_443180 NP_056138 NP_055768
## A0.A12D.01TCGA 0.5627594 0.1474914 0.1474914 -0.05442786 0.7646787
## C8.A131.01TCGA 0.9665033 0.9381682 0.1933581 -0.39763255 0.4767097
## A0.A12B.01TCGA -1.3554680 -0.6625995 -0.6625995 1.41323441 0.1632997
## BH.A18Q.02TCGA 1.8847585 0.8577263 2.3631481 0.59678648 1.7409071
## C8.A130.02TCGA -0.8745244 -0.3202265 -1.5632968 -1.36978457 0.3324674
## C8.A138.03TCGA -0.4788018 -0.5812017 -0.8591443 1.07913950 -0.3544590
## NP_036192 NP_001265393 NP_001265392 NP_671492 NP_001004065
## A0.A12D.01TCGA -0.8735345 -0.7592405 -0.8849639 1.1227998 0.8027767
## C8.A131.01TCGA -0.6243139 -0.6243139 -0.6405054 2.5977993 2.2496816
## A0.A12B.01TCGA -0.3161653 -0.3161653 -0.2939935 -1.3970401 -1.3914971
## BH.A18Q.02TCGA 1.1287022 1.1353930 1.1353930 0.5064612 0.7105295
## C8.A130.02TCGA 0.6243757 0.6309354 0.6342153 -0.3103869 -0.2907077
## C8.A138.03TCGA -0.1789164 -0.2740020 -0.1533164 -0.3252019 -0.2081735
## NP_001130034 NP_443749 NP_001409 NP_001036024 NP_001089

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| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | A0.A12D.01TCGA | 0.8180159 | 2.4790879 | 0.34560094 | 0.33036175 | 2.0828689 |
| ## | C8.A131.01TCGA | 2.2496816 | 4.6824580 | 0.68719954 | 0.72363046 | -0.9683838 |
| ## | A0.A12B.01TCGA | -1.3970401 | -0.7069431 | 0.05244074 | 0.01641158 | 2.8156002 |
| ## | BH.A18Q.02TCGA | 0.7038387 | 0.6335857 | -0.26966743 | -0.26966743 | 0.8711078 |
| ## | C8.A130.02TCGA | -0.2841480 | -0.5990154 | 0.26031026 | 0.26031026 | -0.8089270 |
| ## | C8.A138.03TCGA | -0.2081735 | -0.5153732 | -0.22645918 | -0.22645918 | -1.9745717 |
| ## | | NP_057191 | NP_055596 | NP_000173 | NP_115826 | NP_001092750 |
| ## | A0.A12D.01TCGA | -0.008710286 | 1.339958265 | -0.06966706 | 1.2942407 | 2.1476355 |
| ## | C8.A131.01TCGA | 0.529332180 | -0.009035984 | -0.56359567 | 0.5940983 | 0.9584076 |
| ## | A0.A12B.01TCGA | 0.457075925 | 0.021954526 | 1.62109495 | -0.8566027 | -0.6265704 |
| ## | BH.A18Q.02TCGA | 0.235485235 | -0.467044955 | 0.59678648 | -0.9487799 | -0.5707518 |
| ## | C8.A130.02TCGA | 1.342666984 | 0.657174391 | -0.36286483 | -2.2094310 | -2.6882919 |
| ## | C8.A138.03TCGA | -0.504401755 | -0.643373044 | -0.23743060 | 2.5749094 | 2.0446242 |
| ## | | NP_002209 | NP_001159921 | NP_001035810 | NP_006251 | NP_004719 |
| ## | A0.A12D.01TCGA | 0.5094223 | 0.5132321 | -0.6182780 | 3.2181888 | -0.10776504 |
| ## | C8.A131.01TCGA | -0.1669033 | -0.1304724 | 1.1486580 | 1.2458071 | -0.05761056 |
| ## | A0.A12B.01TCGA | -1.8432474 | -1.8543333 | -0.9286610 | 2.7795710 | -2.56383060 |
| ## | BH.A18Q.02TCGA | 0.4060997 | 0.4060997 | -0.5640610 | 1.2257183 | -0.50718954 |
| ## | C8.A130.02TCGA | 0.5522186 | 0.5522186 | 0.3619862 | -1.0417977 | 1.99536089 |
| ## | C8.A138.03TCGA | -2.0184574 | -2.0148002 | 1.9641672 | -0.4422304 | -0.06554506 |
| ## | | NP_076950 | NP_898868 | NP_036540 | NP_898869 | NP_005042 |
| ## | A0.A12D.01TCGA | -0.24110797 | -0.2106296 | -0.23348838 | -0.2334884 | 0.90945107 |
| ## | C8.A131.01TCGA | -0.28429189 | 0.3957521 | 0.37551271 | 0.3755127 | 0.58600251 |
| ## | A0.A12B.01TCGA | -0.61548446 | 0.2104148 | 0.14944232 | 0.1494423 | -0.63211331 |
| ## | BH.A18Q.02TCGA | 0.29235673 | 0.0581800 | 0.07825229 | 0.1016700 | -0.06559913 |
| ## | C8.A130.02TCGA | 1.95600246 | 0.8342873 | 0.83100744 | 0.8178880 | 0.24719078 |
| ## | C8.A138.03TCGA | -0.08017361 | 0.7646255 | 0.65491136 | 0.6549114 | 1.73742455 |
| ## | | NP_057460 | NP_001244928 | NP_002963 | NP_112224 | NP_036365 |
| ## | A0.A12D.01TCGA | 0.0179583 | 0.07891507 | 0.8980217 | 1.103750778 | 1.68664990 |
| ## | C8.A131.01TCGA | 0.2338369 | 0.22978899 | 1.1850889 | 0.990790606 | 0.67910377 |
| ## | A0.A12B.01TCGA | 1.5324078 | 1.54072221 | -0.4491960 | -0.280136126 | 0.59564962 |
| ## | BH.A18Q.02TCGA | 0.4362081 | 0.42617200 | 0.4362081 | 0.362609746 | -0.83503696 |
| ## | C8.A130.02TCGA | -0.3071071 | -0.31038692 | 0.2996687 | -0.002079251 | 0.07991747 |
| ## | C8.A138.03TCGA | 0.1465690 | 0.14656902 | 0.1904547 | 0.406225897 | 0.79753979 |
| ## | | NP_055592 | NP_001029345 | NP_001257293 | NP_002878 | NP_001128715 |
| ## | A0.A12D.01TCGA | 0.17035023 | 0.8980217 | -1.0868832 | 0.06367588 | 1.0808920 |
| ## | C8.A131.01TCGA | 0.66291225 | 1.1891368 | 1.0515088 | -0.59597872 | -1.1383948 |
| ## | A0.A12B.01TCGA | -0.90926070 | -2.4862293 | -1.8598762 | -0.48522519 | -1.7684176 |
| ## | BH.A18Q.02TCGA | -0.43359114 | 0.2689391 | 0.5332242 | -0.81161929 | -1.4940772 |
| ## | C8.A130.02TCGA | 0.08975708 | -0.3989434 | -1.0942756 | -0.38582391 | 0.4243037 |
| ## | C8.A138.03TCGA | -1.02371552 | 1.0754824 | -1.2687438 | 0.88896827 | 1.0718252 |
| ## | | NP_001128717 | NP_001128716 | NP_060587 | NP_065801 | NP_061141 |
| ## | A0.A12D.01TCGA | 1.0580332 | 1.0656528 | -0.3134941 | -0.16872181 | 0.66181419 |
| ## | C8.A131.01TCGA | -1.1707778 | -1.2031609 | 0.1731187 | -0.07784996 | -0.19928639 |
| ## | A0.A12B.01TCGA | -1.6908163 | -1.6049006 | 0.9420839 | -0.92034659 | 0.24367244 |
| ## | BH.A18Q.02TCGA | -2.8556476 | -2.5478725 | -0.1224706 | -0.40682808 | -0.02210917 |
| ## | C8.A130.02TCGA | 0.4243037 | 0.4079044 | -0.2283902 | -0.21199086 | 0.19799275 |
| ## | C8.A138.03TCGA | 1.2144537 | 1.0754824 | 1.1925108 | -0.11308786 | 0.24165463 |
| ## | | NP_001034764 | NP_055647 | NP_001240841 | NP_001240844 | NP_003350 |
| ## | A0.A12D.01TCGA | 0.65419459 | 0.04843669 | -0.4773155 | -0.08109645 | -2.6298514 |
| ## | C8.A131.01TCGA | -0.22357367 | 0.96650332 | 1.5008236 | 1.61821215 | -1.1343469 |
| ## | A0.A12B.01TCGA | 0.22981507 | 3.34218023 | -0.3521944 | -0.49631109 | -0.3023079 |
| ## | BH.A18Q.02TCGA | 0.01803541 | 2.93520840 | 1.0283407 | 1.31604358 | -5.0401820 |
| ## | C8.A130.02TCGA | 0.22751157 | -1.56329683 | -0.4481414 | -0.94668148 | 0.2111122 |


```

## C8.A138.03TCGA 0.23068322 -1.03102980 -0.8628014 -0.41297328 -1.3199438
## NP_005145 NP_612144 NP_002635 NP_003619 NP_001005476
## A0.A12D.01TCGA -0.50017425 0.09796406 -7.1177937 -0.66399557 -0.66399557
## C8.A131.01TCGA 0.05977799 -1.45008159 -8.2262343 0.18121442 0.18121442
## A0.A12B.01TCGA -0.42148129 -0.28013613 -5.7925977 0.73145184 0.73145184
## BH.A18Q.02TCGA -0.67780401 0.80754553 -0.7346755 -0.00872764 -0.00872764
## C8.A130.02TCGA 1.56569807 0.82772757 -0.8712445 -1.05819703 -1.05819703
## C8.A138.03TCGA 1.19251082 1.71548172 -0.1898878 0.11365476 0.11365476
## NP_001323 NP_001131024 NP_001131025 NP_001131022 NP_006300
## A0.A12D.01TCGA -1.178318 0.8294453 0.8523041 0.5208517 0.33036175
## C8.A131.01TCGA -1.603901 0.7560135 0.7519656 0.9017372 0.26217204
## A0.A12B.01TCGA 2.042359 1.2524889 1.2386316 1.2552604 -0.37159476
## BH.A18Q.02TCGA -1.865415 -1.6345832 -1.6345832 -0.9588161 -0.06894451
## C8.A130.02TCGA -1.081156 -1.1205145 -1.0975555 -0.8515653 -0.68101211
## C8.A138.03TCGA 1.609425 -0.6836016 -0.6836016 -0.9908013 -0.89205851
## NP_055018 NP_036437 NP_001229766 NP_001001937 NP_001229489
## A0.A12D.01TCGA 0.7913473 0.50180267 0.50180267 -0.5458918 1.32090927
## C8.A131.01TCGA 0.7033911 0.83697113 0.83697113 -0.7336067 1.31462108
## A0.A12B.01TCGA -2.2728258 0.07184106 0.04412632 1.9259571 -0.95914723
## BH.A18Q.02TCGA -0.1391975 0.33250131 0.32915593 0.1351238 -0.02210917
## C8.A130.02TCGA 0.7752497 -1.01555873 -1.01883860 -0.3202265 0.60797636
## C8.A138.03TCGA 1.1851965 0.37696878 0.40256876 -0.5556017 -0.15331639
## NP_001229488 NP_663719 NP_001155033 NP_001155032 NP_001155035
## A0.A12D.01TCGA 1.31709948 1.324719072 2.4752781 2.6543386 2.4752781
## C8.A131.01TCGA 1.31057320 1.314621080 1.3065253 1.3105732 1.3024774
## A0.A12B.01TCGA -0.88708891 -1.028434073 0.6261358 0.0995558 0.2630728
## BH.A18Q.02TCGA 0.05483462 0.004653887 0.1183969 0.1183969 0.1786137
## C8.A130.02TCGA 0.55877833 0.585017276 0.3095083 0.3095083 0.3160680
## C8.A138.03TCGA -0.31057338 -0.310573380 -0.7274872 -0.7128587 -0.7128587
## NP_722549 NP_733763 NP_002651 NP_877963 NP_001248755
## A0.A12D.01TCGA 1.21423492 1.2866211 0.1932090 0.1132033 0.4598949
## C8.A131.01TCGA 0.77220504 0.9462639 0.9907906 1.0474609 -0.5352605
## A0.A12B.01TCGA -0.06396116 -0.3743662 -1.4330693 -1.4330693 0.8367678
## BH.A18Q.02TCGA 0.08159767 -0.0154184 0.2187583 0.2187583 -0.2830490
## C8.A130.02TCGA 0.50630042 0.5358192 1.1360352 1.1557145 -0.2119909
## C8.A138.03TCGA -0.31057338 -0.3105734 0.5854257 0.6000543 0.5890829
## NP_005641 NP_071376 NP_112533 NP_112420 NP_002127
## A0.A12D.01TCGA 2.46765852 -0.2944451 -0.2068198 -0.4087391 -0.4011195
## C8.A131.01TCGA 0.45242244 -4.0164381 -0.8712346 -0.9481444 -0.9481444
## A0.A12B.01TCGA 0.05798369 -2.5721450 0.5901067 -0.9175751 -0.8981748
## BH.A18Q.02TCGA 1.24913594 -2.2969688 0.2923567 -0.5071895 -0.5205711
## C8.A130.02TCGA 0.57517767 3.3696259 0.4046245 0.6932529 0.6932529
## C8.A138.03TCGA -0.27400199 -0.4239447 -0.1167450 0.1392547 0.1099976
## NP_001011724 NP_036441 NP_573573 NP_277052 NP_065996
## A0.A12D.01TCGA -0.4620763 -0.28301575 -0.3173039 -0.1839610 0.4446557
## C8.A131.01TCGA -0.9279050 -0.43001560 -0.5716914 1.5251109 1.7922710
## A0.A12B.01TCGA -0.6154845 -0.08890443 -0.1554198 0.2076433 -1.1337501
## BH.A18Q.02TCGA 0.2756298 -1.17626591 -1.2766274 -0.7848562 1.1989552
## C8.A130.02TCGA 0.5850173 1.36562607 1.3098683 -0.2677486 -0.3300661
## C8.A138.03TCGA -0.2228020 -0.97617271 -1.0017727 -1.0822297 -0.1350307
## NP_001972 NP_001166935 NP_940927 NP_001239029 NP_060046
## A0.A12D.01TCGA -0.01252008 0.21606781 1.2675721 0.1132033 1.2142349
## C8.A131.01TCGA 0.46861397 -0.96433588 -0.1992864 -0.5271647 0.1002568
## A0.A12B.01TCGA -0.38822361 -0.05841822 -1.8321615 -1.7684176 -1.7933609

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## BH.A18Q.02TCGA 0.84434473 -0.52391645 -2.7485954 -0.4369365 -1.4070973
## C8.A130.02TCGA -0.22839020 0.61781597 -0.7630088 1.4279436 1.5952169
## C8.A138.03TCGA -0.82257286 2.25308118 1.7959388 2.5310238 1.9275958
## NP_060644 NP_001189472 NP_001904 NP_056082 NP_001020262
## AO.A12D.01TCGA 0.3189324 -0.2334884 0.5132321 0.6313358 0.75324935
## C8.A131.01TCGA 0.3026508 0.5900504 0.4402788 0.2297890 0.02739495
## AO.A12B.01TCGA 0.3794747 -0.9951764 -0.8787745 -0.6293418 -0.84828827
## BH.A18Q.02TCGA 0.1150515 -1.3334989 -1.7249085 -3.4879248 0.50311578
## C8.A130.02TCGA 1.1163560 0.1487947 -0.1431136 0.4472628 0.68997308
## C8.A138.03TCGA -0.6653159 1.6679389 2.1835955 1.4777677 0.29651172
## NP_001081 NP_005644 NP_001166923 NP_055368 NP_005906
## AO.A12D.01TCGA 0.74943955 -0.7401915 -0.7744797 -0.10395524 -0.9383010
## C8.A131.01TCGA 0.03144283 -0.3085792 -0.3166749 -0.96028800 0.9179287
## AO.A12B.01TCGA -0.83443090 0.3600743 0.2575298 -1.12543566 -2.3365697
## BH.A18Q.02TCGA 0.51315193 -0.2495951 -0.1726514 1.97508380 -0.2395590
## C8.A130.02TCGA 0.68997308 -0.2972674 -0.2972674 -0.40222325 1.0277996
## C8.A138.03TCGA 0.29285458 0.5890829 0.4574258 0.01856914 -1.6893148
## NP_056450 NP_008971 NP_653333 NP_055484 NP_061918
## AO.A12D.01TCGA -0.43540768 0.2998834 0.3113128 0.2503560 -0.5344624
## C8.A131.01TCGA -0.17904698 -0.3085792 -0.3409622 0.3593212 -0.2316694
## AO.A12B.01TCGA 0.09401285 0.9975133 1.0058278 -0.5905412 -0.6598280
## BH.A18Q.02TCGA -0.73467550 0.8577263 0.8376540 0.6436218 -0.6242779
## C8.A130.02TCGA 3.12035591 1.4017046 1.3918650 0.1783135 -0.1004753
## C8.A138.03TCGA 0.44279729 0.4391401 0.4245116 0.4537687 0.7390256
## NP_001239007 NP_003354 NP_004642 NP_055601 NP_075384
## AO.A12D.01TCGA -0.51541344 1.21804472 -0.2753962 0.570379035 -0.2487276
## C8.A131.01TCGA -0.06975420 0.01120342 -1.5674701 1.253902866 -1.3893634
## AO.A12B.01TCGA -0.51016846 0.19932885 -0.3854521 0.523591298 -0.1609627
## BH.A18Q.02TCGA 0.36930051 0.05148923 -0.2127959 -0.042181459 -0.7413663
## C8.A130.02TCGA -1.25498916 -0.73676988 -0.5268583 0.007760356 2.1823134
## C8.A138.03TCGA -0.02165938 1.49971051 0.7975398 0.281883165 -1.1590297
## NP_004334 NP_001231639 NP_005101 NP_031398 NP_001119527
## AO.A12D.01TCGA 2.5476643 1.9990533 0.2846442 -0.8659149 -0.03537887
## C8.A131.01TCGA 0.9381682 -0.1952385 2.5613684 -1.0088626 0.51718854
## AO.A12B.01TCGA 1.3938341 0.3101878 -1.1864081 1.0529428 -0.48522519
## BH.A18Q.02TCGA 0.7506740 -1.4405511 -0.9521253 -0.3098120 -0.48711725
## C8.A130.02TCGA 0.2898291 -0.7662887 -0.4284622 0.6407750 -0.55309722
## C8.A138.03TCGA -0.8518300 0.2672546 0.5049687 -0.6506873 1.82885303
## NP_001119526 NP_055045 NP_055750 NP_002037 NP_001243728
## AO.A12D.01TCGA -0.04680827 -0.1915806 3.58773918 -1.2507045 -1.2888025
## C8.A131.01TCGA 0.52528430 -0.2478610 1.52106301 -0.3247707 -0.3328665
## AO.A12B.01TCGA -0.56005499 0.4626189 -0.07781853 -0.3882236 -0.3882236
## BH.A18Q.02TCGA -0.48711725 -0.3231935 1.25248132 0.2154129 0.1652322
## C8.A130.02TCGA -0.55309722 0.0766376 -0.33334601 -0.3103869 -0.3235064
## C8.A138.03TCGA 1.82519589 -0.7128587 1.94953862 0.1575404 0.1319405
## NP_001159581 NP_001159582 NP_115967 NP_777576 NP_689508
## AO.A12D.01TCGA 1.31328968 1.5761658 2.6810072 0.61228682 -0.1344336
## C8.A131.01TCGA 0.85316265 0.7236305 1.5210630 0.49290125 0.9300724
## AO.A12B.01TCGA -2.18691015 -2.2478826 -2.4612861 -0.41316687 1.4520350
## BH.A18Q.02TCGA -1.27328198 -1.2398282 -0.9989607 -0.07898066 -0.2730128
## C8.A130.02TCGA 0.06023826 0.1651941 0.9589223 -0.31038692 0.5456589
## C8.A138.03TCGA 1.66062463 1.8690816 1.6606246 2.04828138 -0.7823443
## NP_689547 NP_056070 NP_001171730 NP_002448 NP_056107
## AO.A12D.01TCGA -0.6754250 1.23709371 0.543710448 -2.416503 0.0255779

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## C8.A131.01TCGA -0.4057283 0.37551271 0.711486822 -2.097743 0.9422160
## A0.A12B.01TCGA 1.1028293 -0.08890443 0.005325683 3.846588 -1.6520157
## BH.A18Q.02TCGA 0.6469672 -0.11243448 -0.383410409 -6.334845 0.3191198
## C8.A130.02TCGA 0.5194199 0.86052626 0.424303702 -5.459781 -1.2746684
## C8.A138.03TCGA -0.8554871 2.46885239 2.373766768 -5.024626 1.0206253
## NP_001171725 NP_055860 NP_004517 NP_001036216 NP_005853
## A0.A12D.01TCGA -0.01252008 -0.8697247 -0.9192520 -0.03918867 -0.3477823
## C8.A131.01TCGA 0.91792875 -0.1264245 0.3471775 -0.54335627 -0.4502550
## A0.A12B.01TCGA -1.64924422 0.2215006 -1.8792766 -0.67368542 0.2880160
## BH.A18Q.02TCGA 0.34922822 0.2020314 -0.7212940 0.86776241 0.7105295
## C8.A130.02TCGA -1.21563073 1.1360352 0.8703659 0.27014986 0.5653381
## C8.A138.03TCGA 1.00965386 1.9129672 -1.8758289 0.45742584 0.7536541
## NP_036579 NP_005757 NP_001001715 NP_001157745 NP_001349
## A0.A12D.01TCGA NA -0.8849639 -1.1402203 0.0255779 -0.52303304
## C8.A131.01TCGA NA 1.4198660 1.2498550 0.8774499 0.46456609
## A0.A12B.01TCGA NA 0.6399932 0.7951957 -1.0700062 0.04689779
## BH.A18Q.02TCGA -4.0599851 1.3628789 -6.8533789 0.4863889 0.29570211
## C8.A130.02TCGA 0.5063004 -0.2775882 -0.1660727 0.8310074 0.95892233
## C8.A138.03TCGA 1.2254251 0.9035968 2.8821091 0.6878256 -1.12611541
## NP_003578 NP_055578 NP_002516 NP_061160 NP_003989
## A0.A12D.01TCGA 0.19320902 -0.1877708 1.2409035 -0.2868256 -0.7135229
## C8.A131.01TCGA -0.26810036 -1.4176985 0.3431297 2.2618252 -0.2195258
## A0.A12B.01TCGA 0.01641158 2.1975615 -1.0201197 -2.0899086 -0.1886775
## BH.A18Q.02TCGA 0.02472618 1.3361159 -0.5272618 -0.3867558 -0.1960690
## C8.A130.02TCGA 0.97204180 -0.1201545 1.1196359 -1.3894638 -0.9270023
## C8.A138.03TCGA 0.26725461 -1.1151440 -0.6726302 3.8512510 -1.3418866
## NP_078938 XP_003960289 XP_003960292 XP_003846537 XP_003846569
## A0.A12D.01TCGA -0.82019730 -0.27539616 -0.2334884 -0.2753962 -0.05823766
## C8.A131.01TCGA -0.08594572 -0.72551091 -0.5271647 -0.5271647 7.45930433
## A0.A12B.01TCGA -2.61648860 0.68710826 0.4931051 0.3157308 -3.34538623
## BH.A18Q.02TCGA -0.53395259 -0.72129398 -1.0056514 -0.6711132 -9.69695351
## C8.A130.02TCGA 1.24427092 -1.12051453 -1.1073951 -0.8220465 1.31314817
## C8.A138.03TCGA -0.23743060 0.09171193 0.1904547 0.1282833 NA
## NP_005522 NP_001193496 NP_689714 NP_056056 NP_073602
## A0.A12D.01TCGA 0.9361197 0.9208805 0.7570591 0.3570303 -0.2144394
## C8.A131.01TCGA 0.8491148 0.8572105 0.7762529 0.1488314 1.3429562
## A0.A12B.01TCGA -1.0755491 -1.0755491 -0.6570566 -0.6071700 -0.1720486
## BH.A18Q.02TCGA 3.0054614 3.0757144 3.6377386 0.8510355 1.1721922
## C8.A130.02TCGA -0.3300661 -0.3464655 -0.6842920 0.7293315 -1.3501054
## C8.A138.03TCGA -0.4641732 -0.4678304 -0.7896586 -0.9359442 -0.4422304
## NP_001129476 NP_055447 NP_036252 NP_003671 NP_620636
## A0.A12D.01TCGA 0.4675145 0.3151226 1.5494972 0.5246615 0.05986608
## C8.A131.01TCGA 0.5617152 2.1687240 -0.8590910 0.4159915 -1.21125662
## A0.A12B.01TCGA -0.6265704 -1.2113513 1.2524889 0.4071894 -0.32447971
## BH.A18Q.02TCGA 0.6737303 -0.9387438 0.1418145 1.2324090 0.31577440
## C8.A130.02TCGA 0.6571744 0.5784575 -0.9040432 0.1684739 0.99500088
## C8.A138.03TCGA -0.9359442 1.1888537 0.4647401 -1.2029153 -2.09525729
## NP_995314 NP_005328 NP_001177893 NP_006420 NP_733765
## A0.A12D.01TCGA 0.9894568 0.85992370 0.7037220 -0.23348838 4.8411628
## C8.A131.01TCGA 0.9422160 1.04746094 -0.3814410 -0.46239865 0.6710080
## A0.A12B.01TCGA 0.4487615 -1.69081633 0.3933320 0.54022014 -2.3143980
## BH.A18Q.02TCGA -0.3432658 1.41640503 -0.3867558 -0.72463936 -0.4871172
## C8.A130.02TCGA -0.3563051 -0.36286483 -0.4055031 -0.02175846 -0.8548452
## C8.A138.03TCGA 0.8706826 -0.04360222 1.3424535 -0.35080191 2.9589090

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_005164 | NP_777615 | NP_775293 | NP_061936 | NP_000101 |
| ## | AO.A12D.01TCGA | 2.8486383 | 2.8486383 | 4.7802060 | 1.667600907 | 0.9132609 |
| ## | C8.A131.01TCGA | 0.5333801 | 0.5333801 | 0.6183856 | 3.261651807 | 0.6467207 |
| ## | AO.A12B.01TCGA | -2.0594224 | -2.0594224 | -2.2977691 | -0.025160529 | -2.7855485 |
| ## | BH.A18Q.02TCGA | -1.5442579 | -1.5643302 | -0.6376594 | -0.005382259 | 1.5401842 |
| ## | C8.A130.02TCGA | -2.3504654 | -2.2914277 | -1.2910677 | 0.230791439 | -0.5530972 |
| ## | C8.A138.03TCGA | 5.1714782 | 5.0105641 | 3.6647369 | -0.687258714 | 0.3367403 |
| ## | | NP_005086 | NP_963893 | NP_001164633 | NP_001014437 | NP_001181926 |
| ## | AO.A12D.01TCGA | -0.1534826 | -0.40492930 | -0.404929295 | 1.28281129 | 1.28281129 |
| ## | C8.A131.01TCGA | 0.5212364 | -0.18309486 | -0.183094863 | 0.58600251 | 0.51314066 |
| ## | AO.A12B.01TCGA | -0.3688233 | -0.64874215 | -0.648742151 | 0.45707592 | 0.40164645 |
| ## | BH.A18Q.02TCGA | -0.4871172 | -0.05556299 | 0.001308505 | 0.20203142 | 0.34922822 |
| ## | C8.A130.02TCGA | 0.3095083 | 0.64405492 | 0.644054916 | -1.02211847 | -1.01227886 |
| ## | C8.A138.03TCGA | -1.2029153 | 0.76462553 | 0.764625535 | 0.06976909 | -0.01068797 |
| ## | | NP_002547 | NP_110385 | NP_006358 | NP_071362 | NP_001265114 |
| ## | AO.A12D.01TCGA | 0.2884540 | 0.6199064 | 0.82563551 | 1.81618303 | 1.8009438 |
| ## | C8.A131.01TCGA | 0.2338369 | 0.9665033 | 1.62630791 | 1.05960458 | 1.0029342 |
| ## | AO.A12B.01TCGA | 1.6903818 | 2.4719374 | -1.28063820 | -0.07781853 | -0.1055333 |
| ## | BH.A18Q.02TCGA | -0.8852177 | 0.1719230 | 0.11505149 | 0.44624429 | 0.5298788 |
| ## | C8.A130.02TCGA | 1.0015606 | 0.6276556 | -0.05455715 | 0.16847393 | 0.1651941 |
| ## | C8.A138.03TCGA | 0.4830258 | 0.0331977 | 0.20142610 | 1.26565360 | 1.3095393 |
| ## | | NP_001265115 | NP_001002814 | NP_055719 | NP_998827 | NP_003141 |
| ## | AO.A12D.01TCGA | 1.79713404 | -1.01068720 | -0.3211137 | -0.07347685 | -0.07728665 |
| ## | C8.A131.01TCGA | 0.91792875 | -0.43811136 | -1.1019638 | -0.98862317 | -0.98862317 |
| ## | AO.A12B.01TCGA | -0.07504706 | 0.05244074 | 1.3079184 | 1.23863156 | 1.21923124 |
| ## | BH.A18Q.02TCGA | 0.55664189 | -2.01930214 | -0.9655069 | 0.45628044 | 0.43286276 |
| ## | C8.A130.02TCGA | 0.16519406 | -1.43866181 | -1.3107469 | 1.23115144 | 1.17539367 |
| ## | C8.A138.03TCGA | 1.07182522 | -0.28131627 | -2.4573141 | -0.99080126 | -0.93594418 |
| ## | | NP_945353 | NP_004981 | NP_001188474 | NP_037418 | NP_000242 |
| ## | AO.A12D.01TCGA | 0.12844245 | 0.6580044 | -0.06585726 | 0.94373925 | -1.1249811 |
| ## | C8.A131.01TCGA | 1.20532829 | 0.2986030 | -0.01713175 | 0.54147582 | -0.3207228 |
| ## | AO.A12B.01TCGA | -0.09167590 | 0.5873352 | -0.19144896 | -0.40762392 | -0.6542851 |
| ## | BH.A18Q.02TCGA | 0.52653346 | -0.0722899 | 0.06152538 | -0.04887222 | 0.9079070 |
| ## | C8.A130.02TCGA | -0.39566352 | -0.1037552 | 0.72605164 | 0.37510567 | 2.1167160 |
| ## | C8.A138.03TCGA | 0.06611196 | 0.2160547 | 0.08074051 | 0.66953992 | -1.2065725 |
| ## | | NP_001157281 | NP_003963 | NP_110379 | NP_689739 | NP_476518 |
| ## | AO.A12D.01TCGA | 0.22368740 | 0.09415427 | -0.2906354 | 1.03517441 | 0.60085742 |
| ## | C8.A131.01TCGA | 1.51701513 | 0.01120342 | -0.4664465 | 0.10835256 | 0.08001740 |
| ## | AO.A12B.01TCGA | 0.43213266 | -0.77900142 | 0.6510791 | -0.33833708 | -0.35773740 |
| ## | BH.A18Q.02TCGA | 0.35926436 | 0.29235673 | -0.4770811 | -0.82500081 | -0.54064336 |
| ## | C8.A130.02TCGA | -0.54653748 | 1.67065387 | -0.2644688 | 0.09959668 | 0.08319734 |
| ## | C8.A138.03TCGA | -0.01434511 | 0.84873974 | -0.1935449 | -0.53731601 | -0.58120168 |
| ## | | NP_006382 | NP_006381 | NP_065069 | NP_060719 | NP_001258968 |
| ## | AO.A12D.01TCGA | 0.7151514 | -0.14205322 | 0.9437393 | 0.62371621 | 0.72658076 |
| ## | C8.A131.01TCGA | 0.4078958 | -0.38953679 | 0.1893102 | -0.01713175 | 0.07192163 |
| ## | AO.A12B.01TCGA | -0.6487422 | -0.72357195 | 0.3573029 | -0.23579254 | -0.17204865 |
| ## | BH.A18Q.02TCGA | -0.5038442 | 0.01469003 | -1.1929928 | -0.87852692 | -0.87183616 |
| ## | C8.A130.02TCGA | -0.5104589 | 0.50302055 | -0.2611889 | 0.46366213 | 0.51286016 |
| ## | C8.A138.03TCGA | -0.6762873 | 0.32211170 | 2.1762813 | 0.36965451 | 0.37696878 |
| ## | | NP_055242 | NP_699197 | NP_001188408 | NP_078811 | NP_056991 |
| ## | AO.A12D.01TCGA | 2.7229150 | 0.7303906 | -0.70209355 | -0.4887449 | -4.2261569 |
| ## | C8.A131.01TCGA | -0.6971757 | -0.5190690 | 0.03144283 | 0.4726618 | -2.7777865 |
| ## | AO.A12B.01TCGA | 2.6603977 | -1.7296170 | -0.77345848 | -0.8399738 | -0.5434261 |
| ## | BH.A18Q.02TCGA | -2.9994990 | -0.5105349 | 0.47635273 | 0.6335857 | 1.9182123 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A130.02TCGA | 0.3062284 | 0.8408470 | 0.91628403 | 0.4210238 | 0.7982088 |
| ## | C8.A138.03TCGA | -1.1590297 | 0.5305686 | 0.34039739 | 0.6475971 | -1.7405148 |
| ## | NP_003581 | NP_056145 | XP_001713902 | NP_005989 | NP_001008800 | |
| ## | A0.A12D.01TCGA | -0.01252008 | 1.06565280 | -0.03156908 | -0.1268140 | -0.1611022 |
| ## | C8.A131.01TCGA | -0.02522751 | 0.28645932 | -0.69717574 | -0.3612016 | -0.4219198 |
| ## | A0.A12B.01TCGA | 0.10509874 | 0.87556848 | 0.36007434 | 0.6538506 | 0.6871083 |
| ## | BH.A18Q.02TCGA | -0.76143856 | -1.37364344 | -0.84507311 | -0.8183101 | -0.8618000 |
| ## | C8.A130.02TCGA | -0.44486155 | -0.21527073 | 0.20783236 | -0.1463935 | -0.1004753 |
| ## | C8.A138.03TCGA | -0.75308722 | -0.04725936 | 0.45011157 | -0.3142305 | -0.2666877 |
| ## | NP_002559 | NP_001129126 | NP_003810 | NP_112241 | NP_001118228 | |
| ## | A0.A12D.01TCGA | 0.4713243 | -0.004900488 | -0.004900488 | 0.4484655 | 1.2104251 |
| ## | C8.A131.01TCGA | 0.8045881 | 0.464566085 | 0.464566085 | 0.9624554 | 1.1527058 |
| ## | A0.A12B.01TCGA | -0.5572835 | -0.756829633 | -0.745743737 | -0.8815460 | -0.9674616 |
| ## | BH.A18Q.02TCGA | 0.2354852 | 0.054834615 | 0.074906906 | 0.4027543 | 0.7674010 |
| ## | C8.A130.02TCGA | 1.3262676 | 1.395144886 | 1.391865017 | 1.5328994 | 1.9166440 |
| ## | C8.A138.03TCGA | -0.3325162 | -1.700286262 | -1.696629123 | -0.1898878 | -1.0273727 |
| ## | NP_543022 | NP_001108206 | NP_001012995 | NP_001017995 | NP_055446 | |
| ## | A0.A12D.01TCGA | 0.9589784 | -2.08886008 | 0.2617854 | -0.9763990 | -0.9954480 |
| ## | C8.A131.01TCGA | 1.0231737 | 1.12841856 | 0.7357741 | 1.4643927 | 1.1162749 |
| ## | A0.A12B.01TCGA | 0.6566220 | -1.85156181 | -1.1503789 | -0.9480613 | -1.0145767 |
| ## | BH.A18Q.02TCGA | 0.5198427 | 0.01469003 | 1.7910878 | 0.3258105 | 0.4663166 |
| ## | C8.A130.02TCGA | 1.7887291 | 1.79528889 | 2.0478388 | 1.1950729 | 1.2344313 |
| ## | C8.A138.03TCGA | -1.5978864 | -2.55971397 | -1.9928574 | 0.2965117 | 0.5269115 |
| ## | NP_055520 | NP_004938 | NP_002256 | NP_005111 | NP_443728 | |
| ## | A0.A12D.01TCGA | 0.5170419 | -0.1839610 | -0.08490625 | 0.21987760 | 1.263762301 |
| ## | C8.A131.01TCGA | 0.9381682 | 0.7560135 | -0.01308386 | -0.83075581 | -0.069754197 |
| ## | A0.A12B.01TCGA | -1.2944956 | -0.7900873 | 0.12727053 | -0.72634342 | -0.047332320 |
| ## | BH.A18Q.02TCGA | 0.4462443 | -0.3365751 | -0.58413332 | -0.09905295 | -0.038836077 |
| ## | C8.A130.02TCGA | 1.1065164 | 1.4968208 | 1.13275538 | -0.19559151 | 0.161914192 |
| ## | C8.A138.03TCGA | -0.2813163 | -2.2634857 | -0.03263080 | 0.99868244 | 0.007597728 |
| ## | NP_036205 | NP_006421 | NP_919223 | NP_068579 | NP_005137 | |
| ## | A0.A12D.01TCGA | -0.3439725 | 0.20463841 | -0.8163875 | 0.4408459 | 0.06748568 |
| ## | C8.A131.01TCGA | -0.3085792 | -0.09808936 | -0.9602880 | 0.8855457 | -0.03332327 |
| ## | A0.A12B.01TCGA | 0.5319057 | 0.30187339 | -0.6431992 | -0.1332480 | 0.50419098 |
| ## | BH.A18Q.02TCGA | -0.7012217 | -0.38006503 | -0.7012217 | -0.5439887 | 0.05148923 |
| ## | C8.A130.02TCGA | 0.2078324 | 0.45710239 | 2.6414951 | 0.2176720 | 0.93924311 |
| ## | C8.A138.03TCGA | -0.5117160 | -0.23011632 | 0.5013115 | 1.5509105 | 0.32942597 |
| ## | NP_000349 | NP_079390 | NP_003676 | NP_003893 | NP_003925 | |
| ## | A0.A12D.01TCGA | -0.9802088 | 0.2808344 | -0.43921748 | 0.01795830 | 0.08653467 |
| ## | C8.A131.01TCGA | -0.7619418 | 0.5212364 | 0.27431568 | -0.34905798 | 0.48480549 |
| ## | A0.A12B.01TCGA | -3.2400702 | -0.3854521 | 0.04966926 | 0.08015548 | 0.38501760 |
| ## | BH.A18Q.02TCGA | 1.0718307 | -1.4004065 | 0.13177840 | 0.38602742 | -0.39010117 |
| ## | C8.A130.02TCGA | -0.3563051 | 2.6316554 | 1.51977990 | 0.38822514 | -0.52685827 |
| ## | C8.A138.03TCGA | 1.8105673 | 0.3440545 | -1.00542982 | -0.10943073 | -0.66165874 |
| ## | NP_056169 | NP_006576 | NP_055661 | NP_000419 | NP_003469 | |
| ## | A0.A12D.01TCGA | 0.58942803 | 0.19320902 | 0.01795830 | 2.2124020 | 0.0293877 |
| ## | C8.A131.01TCGA | -0.05356267 | -0.07784996 | -0.03737115 | -2.1220298 | 0.1083526 |
| ## | A0.A12B.01TCGA | -0.88154596 | 0.35453139 | -0.70417163 | -2.5887739 | 1.4049200 |
| ## | BH.A18Q.02TCGA | 0.23213985 | -0.77816547 | 0.40609971 | -1.1963382 | 1.1956098 |
| ## | C8.A130.02TCGA | -0.09719545 | -0.02503833 | 0.17175380 | 1.1425950 | -1.1500334 |
| ## | C8.A138.03TCGA | -0.07285933 | 0.24896891 | 0.66222564 | -0.9652013 | -0.4129733 |
| ## | NP_055429 | NP_055417 | NP_005236 | NP_001008781 | NP_005073 | |
| ## | A0.A12D.01TCGA | 1.70569889 | 0.3113128 | 0.9665980 | NA | -0.05442786 |
| ## | C8.A131.01TCGA | -0.07380208 | 0.2743157 | 1.8610850 | NA | -0.79432488 |

| | | | | | | |
|----|----------------|--------------|--------------|------------|--------------|--------------|
| ## | A0.A12B.01TCGA | -1.16700777 | -0.2080778 | -0.5822268 | NA | 0.36838876 |
| ## | BH.A18Q.02TCGA | 0.72725637 | 0.3057383 | 0.8610716 | 0.6101680 | 0.03476232 |
| ## | C8.A130.02TCGA | 1.02123984 | 0.2012726 | -1.2484294 | -0.5858959 | 0.29966868 |
| ## | C8.A138.03TCGA | -0.33617335 | 0.5854257 | -0.1350307 | -1.7514862 | 0.67319706 |
| ## | NP_004765 | NP_009114 | NP_858058 | NP_858059 | NP_005598 | |
| ## | A0.A12D.01TCGA | 1.56092656 | 0.6237162 | 0.3227422 | 0.3151226 | 1.38186604 |
| ## | C8.A131.01TCGA | -0.22762155 | 0.7600614 | 0.6629123 | 0.6548165 | 1.30652532 |
| ## | A0.A12B.01TCGA | -0.03347495 | 1.1970595 | -0.4436531 | -0.4297957 | -0.08890443 |
| ## | BH.A18Q.02TCGA | -0.11243448 | 0.1719230 | 0.7640556 | 0.7172202 | 0.26559367 |
| ## | C8.A130.02TCGA | 1.56241820 | -2.2127109 | 0.8014886 | 0.8014886 | -1.29434758 |
| ## | C8.A138.03TCGA | 0.24896891 | -0.5848588 | 0.8341112 | 0.8341112 | 0.44645443 |
| ## | NP_722560 | NP_002617 | NP_000280 | NP_002618 | NP_036347 | |
| ## | A0.A12D.01TCGA | 1.3475779 | 1.37805625 | -2.2450618 | 1.0999410 | 0.68086318 |
| ## | C8.A131.01TCGA | 1.2741423 | 0.36336906 | 0.1569271 | 1.8772765 | 0.03953859 |
| ## | A0.A12B.01TCGA | -0.1360195 | -0.92588954 | -2.7827770 | -1.8349330 | -1.79058939 |
| ## | BH.A18Q.02TCGA | 0.3258105 | -0.00872764 | -0.5406434 | 0.1919953 | -0.52057107 |
| ## | C8.A130.02TCGA | -1.2943476 | -0.82860621 | 0.3488667 | -1.7666487 | 0.27342973 |
| ## | C8.A138.03TCGA | 0.3952545 | 0.19411182 | -1.4918293 | -2.3805141 | 0.83045404 |
| ## | NP_006247 | NP_998725 | NP_002732 | NP_001739 | NP_056380 | |
| ## | A0.A12D.01TCGA | -0.06204746 | -0.5420820 | -0.5420820 | 3.4162983 | 2.258119622 |
| ## | C8.A131.01TCGA | -0.17904698 | 1.0717482 | 1.0717482 | 0.6507686 | 0.375512705 |
| ## | A0.A12B.01TCGA | 0.36007434 | -0.8926319 | -0.8926319 | 1.6543526 | -1.164236292 |
| ## | BH.A18Q.02TCGA | 0.23213985 | 0.4562804 | 0.4562804 | 1.0651399 | 0.556641894 |
| ## | C8.A130.02TCGA | -0.36286483 | 0.9195639 | 0.9195639 | -1.2713885 | -0.267748629 |
| ## | C8.A138.03TCGA | 0.60371141 | -0.2776591 | -0.2776591 | 0.6000543 | 0.003940589 |
| ## | NP_004809 | NP_005434 | NP_004661 | NP_056262 | NP_055870 | |
| ## | A0.A12D.01TCGA | -0.35159212 | -0.9154422 | 1.2523329 | 0.79515713 | 0.9018315 |
| ## | C8.A131.01TCGA | -0.85504310 | -1.1302990 | 2.7435230 | 0.85316265 | 1.1567537 |
| ## | A0.A12B.01TCGA | -0.05287527 | -0.4658249 | -2.7716911 | -0.35773740 | -0.4630534 |
| ## | BH.A18Q.02TCGA | 0.11505149 | 2.0687545 | -0.1291614 | -0.19941441 | 0.7406379 |
| ## | C8.A130.02TCGA | 1.07371774 | -0.2743084 | 2.0937570 | -0.02503833 | -0.3661447 |
| ## | C8.A138.03TCGA | 0.16851185 | -0.7823443 | -1.9672574 | 0.72439700 | 0.5890829 |
| ## | NP_060760 | NP_002829 | NP_006422 | NP_056046 | NP_000056 | |
| ## | A0.A12D.01TCGA | -0.9154422 | 0.8713531 | -0.4658861 | 0.1093935 | 0.6580044 |
| ## | C8.A131.01TCGA | 0.4200394 | 1.5979727 | -0.3895368 | -0.3409622 | 1.3915308 |
| ## | A0.A12B.01TCGA | 2.6714836 | -2.3836848 | 0.6483076 | -0.5018540 | -1.9042198 |
| ## | BH.A18Q.02TCGA | 0.2020314 | 2.0720999 | -0.8383823 | 0.1050153 | -0.3666835 |
| ## | C8.A130.02TCGA | -0.3923836 | -1.6223345 | 0.2898291 | -0.1135948 | 0.2865492 |
| ## | C8.A138.03TCGA | -0.9140013 | -0.2374306 | -0.5007446 | 0.2050832 | -1.3784580 |
| ## | NP_000225 | NP_001243806 | NP_660208 | NP_002793 | NP_001186913 | |
| ## | A0.A12D.01TCGA | -0.08871605 | -0.90020306 | -1.1021224 | 0.10939346 | -1.25451429 |
| ## | C8.A131.01TCGA | 1.32271684 | -1.16268205 | -0.2559567 | 0.08406528 | -0.16690334 |
| ## | A0.A12B.01TCGA | -1.06446323 | 0.06352663 | 1.2580319 | 0.19655738 | 0.71205152 |
| ## | BH.A18Q.02TCGA | 0.66369411 | 3.61097553 | -0.5138803 | -0.86180002 | 0.03810771 |
| ## | C8.A130.02TCGA | 0.68669321 | -1.02539834 | -0.5858959 | 0.49646082 | -0.65477315 |
| ## | C8.A138.03TCGA | 0.82313976 | -1.92337175 | -1.1078297 | -0.38371616 | -1.08954402 |
| ## | NP_002851 | NP_001017423 | NP_001393 | NP_001949 | NP_005132 | |
| ## | A0.A12D.01TCGA | 3.081036026 | 3.081036026 | 0.2655952 | 0.26940498 | -0.1534826 |
| ## | C8.A131.01TCGA | -0.280244006 | -0.272148244 | 0.2743157 | 0.59409828 | 2.4763629 |
| ## | A0.A12B.01TCGA | 0.008097157 | -0.000217265 | 0.1688426 | -0.08613295 | -2.2312537 |
| ## | BH.A18Q.02TCGA | -1.079249836 | -1.099322127 | -0.2529405 | -0.22617746 | -1.1060129 |
| ## | C8.A130.02TCGA | 0.932683376 | 0.903164556 | 0.1717538 | -0.43174207 | 0.3127882 |
| ## | C8.A138.03TCGA | 0.402568758 | 0.446454428 | -0.2520592 | -0.36908761 | -3.1192563 |
| ## | NP_055518 | NP_000497 | NP_060853 | NP_006816 | NP_005907 | |

```

## A0.A12D.01TCGA 0.01414850 -0.11538463 0.09034447 3.835376 -1.34594944
## C8.A131.01TCGA -0.46644653 -0.02927539 -0.09404148 2.609943 0.59409828
## A0.A12B.01TCGA -0.13879096 -1.73793138 0.42658971 -1.721303 -2.29222616
## BH.A18Q.02TCGA -0.31650277 -0.30312124 0.13177840 -1.259900 -0.05556299
## C8.A130.02TCGA -0.39894338 0.72277177 0.31278816 -1.130354 0.79820875
## C8.A138.03TCGA 0.08805479 -1.79171474 0.58176858 2.805309 -1.93800031
## NP_009121 NP_001239264 NP_005691 NP_006730 NP_002201
## A0.A12D.01TCGA -0.6563760 0.4979929 -0.1306238 -1.29642207 1.686650
## C8.A131.01TCGA -0.2923876 0.9381682 -0.2964355 0.76006139 3.512620
## A0.A12B.01TCGA 0.9919704 -0.4020810 0.1272705 -2.43357133 -2.283912
## BH.A18Q.02TCGA -1.0324145 1.1454291 -1.2130651 0.04479847 -1.149503
## C8.A130.02TCGA 0.9917210 -1.6420137 1.2245917 0.86380613 -0.884364
## C8.A138.03TCGA 1.1449680 -1.5101150 2.2786812 -2.06600018 1.997081
## NP_003079 NP_004730 NP_004680 NP_065795 NP_004554
## A0.A12D.01TCGA -0.29063535 0.9742176 -0.3477823 -0.05823766 -0.95354023
## C8.A131.01TCGA 0.96245544 0.6548165 -0.3531059 -0.49478170 -0.99671893
## A0.A12B.01TCGA -1.53561379 -0.3715948 -0.6210274 -1.44415515 2.91260178
## BH.A18Q.02TCGA 1.84461391 0.9279793 0.7941640 -0.39010117 -1.37698882
## C8.A130.02TCGA 0.04055904 1.3197079 1.5984968 1.31642803 -0.46454076
## C8.A138.03TCGA -0.50805889 -0.2886305 0.2635975 0.56714002 -0.03628794
## NP_002582 NP_001184223 NP_001184222 NP_001378 NP_001304
## A0.A12D.01TCGA -1.9974249 2.7152954 -0.9611598 2.7572032 0.09415427
## C8.A131.01TCGA -2.2556099 0.1731187 -0.5797872 -0.1628555 -1.28007059
## A0.A12B.01TCGA 3.6664427 -2.8188062 -0.8898604 -2.6248030 -1.00349081
## BH.A18Q.02TCGA -0.5439887 -0.4135188 1.3461520 -0.4101735 0.30239287
## C8.A130.02TCGA -0.5170187 0.3324674 -0.6646128 0.3095083 0.26359013
## C8.A138.03TCGA 0.1648547 1.4009677 -0.3325162 1.3314821 -0.13137356
## NP_001014809 NP_003277 NP_443195 NP_009176 NP_002964
## A0.A12D.01TCGA 0.09415427 0.8332551 1.2180447 -0.004900488 0.94373925
## C8.A131.01TCGA -1.28007059 1.3631957 1.7801274 0.108352563 -0.01713175
## A0.A12B.01TCGA -1.00349081 -1.3776398 -1.9707352 0.188242959 0.16607117
## BH.A18Q.02TCGA 0.30239287 0.1451599 0.1451599 -0.356647354 -0.57409718
## C8.A130.02TCGA 0.26359013 1.5984968 1.9363232 0.781809408 -0.12343440
## C8.A138.03TCGA -0.13137356 1.6386818 1.7922816 -0.365430467 -0.10577359
## NP_003743 NP_001093131 NP_060676 NP_055915 NP_001181866
## A0.A12D.01TCGA 0.5818084 0.5589496 0.4865635 -0.36302152 -0.34397252
## C8.A131.01TCGA 0.6062419 0.6062419 0.4281352 -0.02522751 -0.02117963
## A0.A12B.01TCGA -0.0916759 -0.0916759 0.2603013 0.08569843 0.02472600
## BH.A18Q.02TCGA -0.1860329 -0.1693060 0.2722844 0.22879447 0.22879447
## C8.A130.02TCGA 0.9294035 0.9261236 0.2176720 0.25703039 0.22751157
## C8.A138.03TCGA 0.5342258 0.3915973 0.6549114 0.53056863 0.52691149
## NP_001002843 NP_060136 NP_006073 NP_116093 NP_005991
## A0.A12D.01TCGA 0.6046672 0.4979929 0.17796982 0.21987760 0.3417911
## C8.A131.01TCGA 1.0191258 -1.5755659 0.22978899 0.33908178 0.4969491
## A0.A12B.01TCGA -0.4076239 -2.0178502 -0.58776973 -0.63211331 -0.4408816
## BH.A18Q.02TCGA 0.4830435 1.0584492 0.19534065 0.03141694 0.1719230
## C8.A130.02TCGA 0.3455868 1.4935410 0.81788797 0.88020547 0.7850893
## C8.A138.03TCGA 0.3915973 -1.0200584 0.09171193 0.30382600 -0.2959448
## NP_997195 NP_061816 NP_079079 XP_003846706 NP_001099032
## A0.A12D.01TCGA 0.36845973 0.4637047 -0.5382722 0.5894280 1.2866211
## C8.A131.01TCGA 0.17311866 0.4767097 0.4483746 -0.6283618 0.5576673
## A0.A12B.01TCGA -0.49076814 -0.4214813 -1.8044468 -0.5212544 -0.3133938
## BH.A18Q.02TCGA -0.15926982 0.2053768 1.3160436 0.4629712 -0.2562859
## C8.A130.02TCGA 0.65389452 0.9359632 1.6968928 0.8966048 1.6968928

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## C8.A138.03TCGA 0.05879768 -0.6360588 -0.5885160 -1.0932012 -0.7384587
## NP_002068 NP_001263206 NP_001124330 NP_003899 NP_056173
## A0.A12D.01TCGA -0.1534826 0.501802668 0.81801592 0.31512256 0.33036175
## C8.A131.01TCGA -0.7619418 0.003107659 0.33503390 0.11240044 -0.09404148
## A0.A12B.01TCGA 0.3074163 0.473704768 1.29406104 0.48756214 0.69542268
## BH.A18Q.02TCGA -2.0828644 0.031416942 0.69045717 -0.73467550 1.15881063
## C8.A130.02TCGA 4.4224638 -0.503899187 -0.43502194 -0.74988935 -0.05127728
## C8.A138.03TCGA 0.0331977 0.161197573 0.02954056 0.02222628 0.69513989
## NP_003583 NP_003897 NP_004604 NP_003232 NP_001810
## A0.A12D.01TCGA -0.08871605 0.1132033 -1.6812117 5.8583789 -2.085050
## C8.A131.01TCGA 0.26217204 -0.1507118 3.6826314 3.0592578 -1.397459
## A0.A12B.01TCGA -0.70694310 -0.0390179 -2.1841387 -0.4963111 7.272130
## BH.A18Q.02TCGA -0.65773172 0.2087222 -0.4837719 -2.6649608 -9.148311
## C8.A130.02TCGA 0.58829714 0.3226278 -1.7338500 -1.9306421 -6.237110
## C8.A138.03TCGA 0.01125487 -0.3727447 2.9735376 2.6224522 -8.045423
## NP_060705 NP_689969 NP_066014 NP_919269 NP_000539
## A0.A12D.01TCGA 0.07129548 0.01033871 2.2200216 6.22411951 -0.2411080
## C8.A131.01TCGA 0.22978899 1.12437068 -0.3490580 -0.64455329 0.4929013
## A0.A12B.01TCGA 1.07511460 0.42381824 -1.2113513 -1.10326387 0.7175945
## BH.A18Q.02TCGA -0.88521769 -0.05221761 -1.0892860 -0.17265135 -0.2763582
## C8.A130.02TCGA -1.54689749 -0.03487794 -0.8778042 -0.57277643 -0.1627928
## C8.A138.03TCGA -1.36017232 0.00028345 0.2599403 -0.05457364 0.9474825
## NP_000201 NP_149100 NP_078856 NP_064716 NP_073744
## A0.A12D.01TCGA 0.5627594 -0.4430273 -0.854485478 0.4751341 1.9876240
## C8.A131.01TCGA -0.2761961 -0.4988296 -0.284291887 -0.9562401 0.6588644
## A0.A12B.01TCGA -1.8072182 2.9153733 0.030268948 2.5218240 -1.3748683
## BH.A18Q.02TCGA 3.2730920 -0.7313301 0.094979197 0.0213808 -0.4436273
## C8.A130.02TCGA -1.3533852 1.6772136 -0.333346006 -1.6551332 1.8248077
## C8.A138.03TCGA -2.9949135 -1.3492009 -0.007030829 0.9218825 0.6000543
## NP_002476 NP_001073898 NP_065953 NP_001295 NP_942568
## A0.A12D.01TCGA 0.4256067 1.10375078 1.11898997 2.2466902 -0.1839610
## C8.A131.01TCGA -0.4178720 -0.72146303 -0.57978719 0.4362309 -0.3247707
## A0.A12B.01TCGA 1.5490366 0.54853456 0.54853456 -0.5323402 1.9564433
## BH.A18Q.02TCGA 0.6402764 -0.69118554 -0.71460321 -1.9825029 -0.8852177
## C8.A130.02TCGA 1.1294755 -0.04143768 -0.04143768 -1.6256143 -0.5990154
## C8.A138.03TCGA 0.6987970 -1.19194392 -1.11148686 0.1282833 0.4171973
## NP_055945 NP_071496 NP_114381 NP_002130 NP_062556
## A0.A12D.01TCGA -1.1516497 3.9801484 3.9877680 0.6008574 0.85992370
## C8.A131.01TCGA -2.2070353 -0.5393084 -0.4502550 -1.2395918 -0.98052741
## A0.A12B.01TCGA 1.9093282 -0.2080778 -0.2247066 -0.3688233 -0.35773740
## BH.A18Q.02TCGA -2.1363905 -1.8051977 -1.6747278 -0.4871172 0.07825229
## C8.A130.02TCGA -1.3009073 0.4899011 0.4997407 1.1983528 1.13931512
## C8.A138.03TCGA -0.9871441 -0.2081735 -0.2081735 0.7865684 0.93651108
## NP_055284 NP_001138818 NP_001158275 NP_055548 NP_001186090
## A0.A12D.01TCGA -0.01252008 -0.23729818 -0.4468371 -0.8621051 1.1723271
## C8.A131.01TCGA -1.93177942 -4.22288003 -1.7334333 0.4240873 0.5455237
## A0.A12B.01TCGA -0.05010379 -0.69308573 -0.3383371 0.6455361 0.5429916
## BH.A18Q.02TCGA 1.21568212 1.46658576 1.1052845 0.2221037 -0.2797036
## C8.A130.02TCGA 0.93596325 -0.05127728 0.9589223 -1.1795522 -0.2251103
## C8.A138.03TCGA -0.59948737 0.02588342 -0.5153732 -0.2301163 1.4777677
## NP_078893 NP_001009881 NP_055805 NP_919277 NP_065076
## A0.A12D.01TCGA 2.1133473 0.7837277 0.09415427 0.09415427 1.374246
## C8.A131.01TCGA 0.5171885 0.1164483 -0.54740415 -0.54740415 1.225568
## A0.A12B.01TCGA -0.7540582 -0.4547390 -0.88154596 -0.88154596 1.698696

```



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## BH.A18Q.02TCGA -0.3231935    0.4428989 -0.89190845 -0.89190845 -2.280242
## C8.A130.02TCGA -0.3956635    0.8834853  0.07991747  0.07991747 -0.858125
## C8.A138.03TCGA  1.2363965   -0.6836016  2.92233764  3.00279470  1.477768
##                NP_054878    NP_000245    NP_060773    NP_000286    NP_001137293
## AO.A12D.01TCGA  0.93992946 -1.24689469  0.31512256 -1.0221166   -0.5649408
## C8.A131.01TCGA  0.44027880 -1.39341126  0.32289025  0.4402788   0.8572105
## AO.A12B.01TCGA -0.40208098 -1.59104327 -0.01684611 -0.8954033   1.2746607
## BH.A18Q.02TCGA -0.08901681 -0.10908910 -0.78820161  0.5666780   -0.5004988
## C8.A130.02TCGA  0.45710239 -0.24150968 -0.06767663  0.1947129   -0.5924556
## C8.A138.03TCGA  0.93285394  0.03685484  1.53628190 -1.3272581   1.7301103
##                NP_001243399    NP_055839    NP_075048    NP_115786    NP_056972
## AO.A12D.01TCGA  -0.5649408  0.0293877      NA  0.56275944  0.04081709
## C8.A131.01TCGA  0.8572105 -0.2721482      NA  1.37129141 -0.39763255
## AO.A12B.01TCGA  1.2746607  0.4016464      NA -1.11157829  0.75916658
## BH.A18Q.02TCGA  -0.5004988 -0.3499566      NA -0.41686423 -1.59109326
## C8.A130.02TCGA  -0.5924556 -0.1988714      NA -0.12343440  0.36854593
## C8.A138.03TCGA  1.7301103 -0.3544590      NA  0.01491201 -0.50805889
##                NP_056311    NP_004439    NP_005219    NP_005226    NP_443198
## AO.A12D.01TCGA  0.2198776  9.6681771  0.4027479 10.4453759 -1.5669177
## C8.A131.01TCGA -0.8226600  0.1974059  1.2458071 -0.1830949 -1.0655329
## AO.A12B.01TCGA -0.1110762 -1.4912702 -2.3864563 -1.3416106 -0.3715948
## BH.A18Q.02TCGA  0.3759913 -5.1873788 -1.9222861 -5.1639611 -0.4302458
## C8.A130.02TCGA  0.1225558 -2.9605210 -2.4226225 -1.4157027 -2.4423017
## C8.A138.03TCGA  0.5561686 -0.5044018 -2.6255425 -0.3105734  2.8126235
##                NP_055048    NP_055994    NP_055637    NP_004913    NP_003133
## AO.A12D.01TCGA -0.2906354 -1.9059898  0.7037220  0.6351456 -0.64494658
## C8.A131.01TCGA -1.2031609 -1.0129105  1.0919876  0.1083526 -1.28007059
## AO.A12B.01TCGA -0.5628265 -1.8155327  1.3217758  1.2081453  0.70096563
## BH.A18Q.02TCGA -0.4770811 -0.9521253 -0.5105349 -0.1325068  0.02807156
## C8.A130.02TCGA  1.8707259  1.5591383 -0.5498174 -0.3071071  2.75629047
## C8.A138.03TCGA  0.3403974  0.4574258  1.8288530  0.8779968 -0.12771642
##                NP_001116105    NP_056060    NP_690001    NP_001191008    NP_068375
## AO.A12D.01TCGA  -2.412693  0.9170707 -0.5382722 -1.0830734  0.02176810
## C8.A131.01TCGA  -1.684859  0.5698110 -2.8344569 -2.3244239  0.90983299
## AO.A12B.01TCGA  -2.148110  0.1605282 -2.6303460 -3.3731010  0.25475833
## BH.A18Q.02TCGA  -1.480696  0.1351238 -3.5046517 -9.4728129  0.64362182
## C8.A130.02TCGA  -1.622334  0.4767816  0.7686899  0.7686899 -0.19231165
## C8.A138.03TCGA  -2.036743  0.9035968  1.1742251  1.1742251  0.07708337
##                NP_002207    NP_055640    NP_006030    NP_004035    NP_000282
## AO.A12D.01TCGA -0.13443363  0.608477017  1.5685462 -0.5039840  1.1380390
## C8.A131.01TCGA  0.06382587 -0.725510908  1.0029342  0.1650229  0.3431297
## AO.A12B.01TCGA -2.77446261 -0.997947860 -3.1818693  0.4459900 -0.7318864
## BH.A18Q.02TCGA  2.13900751  0.007999269 -0.2596313 -1.0625229 -0.9153261
## C8.A130.02TCGA  2.08063748  0.191433012  1.3295475 -0.9270023  0.5161400
## C8.A138.03TCGA -1.03834407  0.109997624  1.8763958  0.5707972  1.5801676
##                NP_620061    NP_005582    NP_001743    NP_005817    NP_001095868
## AO.A12D.01TCGA  0.5894280  0.7151514 -1.8640820  0.002719109 -0.03156908
## C8.A131.01TCGA  0.5009970 -0.7983728  2.9135340 -1.146490524 -1.17482569
## AO.A12B.01TCGA -0.6736854  1.1527159  0.7813384  0.182700011  0.17161412
## BH.A18Q.02TCGA -1.2900089  0.5231881 -1.4572780  0.703838696  0.68376640
## C8.A130.02TCGA  0.6342153  1.2705099 -2.4619809  0.611256227  0.61781597
## C8.A138.03TCGA  1.3973106  0.3477117 -1.5832578 -0.442230390 -0.41297328
##                NP_006363    NP_001153149    NP_065905    NP_055416    NP_006786
## AO.A12D.01TCGA  0.779917934  0.75324935  0.33417155 -2.0698111  0.4560851

```

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## C8.A131.01TCGA 0.003107659 0.03144283 0.03144283 -2.1787002 1.3631957
## A0.A12B.01TCGA 0.457075925 0.46816182 0.30187339 -2.3531986 -1.0395200
## BH.A18Q.02TCGA 1.024995355 1.13204757 -0.01541840 0.2890113 0.2923567
## C8.A130.02TCGA 0.607976358 0.51941990 -0.14311361 -1.0319581 -0.4251823
## C8.A138.03TCGA -0.511716034 -0.65800160 -0.74577294 -1.2906867 -0.7238301
## NP_644670 NP_055415 NP_005768 NP_891553 NP_001123579
## A0.A12D.01TCGA -0.3744509 -0.09252584 1.4009150 -0.1268140 -0.1534826
## C8.A131.01TCGA 0.7195826 0.89364146 -0.1385682 0.5981462 0.5981462
## A0.A12B.01TCGA -1.6409298 -1.18363661 -0.3300227 -0.7873158 -0.7873158
## BH.A18Q.02TCGA 0.8242724 0.91125237 -0.7012217 -0.6343140 -0.5941695
## C8.A130.02TCGA -0.2480694 -0.38910378 0.9556425 0.2045525 0.1881531
## C8.A138.03TCGA -0.2191449 -0.36177333 0.2197118 0.5671400 0.5598257
## NP_005543 NP_073733 NP_958929 NP_803136 NP_001888
## A0.A12D.01TCGA -0.1420532 -0.39349990 -0.16110221 -0.6563760 -0.1191944
## C8.A131.01TCGA 0.5940983 -0.21547791 -0.54335627 -0.7012236 0.1447835
## A0.A12B.01TCGA -0.7762299 0.61504994 0.42381824 2.3777073 -0.7402008
## BH.A18Q.02TCGA -0.5941695 -1.15953900 0.08159767 1.2390998 -0.5540249
## C8.A130.02TCGA 0.1881531 0.07991747 -0.86796463 0.2209518 -0.5399777
## C8.A138.03TCGA 0.5598257 0.69148275 0.73171128 -1.6490863 0.3440545
## NP_062565 NP_001171721 NP_008878 NP_005142 NP_113619
## A0.A12D.01TCGA 1.0046960 0.6199064 -0.2106296 -0.9040129 1.3437681
## C8.A131.01TCGA 1.5655897 1.5655897 -0.6283618 -1.4824646 0.4645661
## A0.A12B.01TCGA -0.7263434 -0.7263434 1.0806575 -0.5628265 1.7707545
## BH.A18Q.02TCGA -0.8919085 -0.8919085 -0.5306072 -1.3602619 -0.5941695
## C8.A130.02TCGA 0.2504707 0.2340713 0.1586343 -1.1664327 -0.5793362
## C8.A138.03TCGA 0.7938826 0.6585685 -0.9834870 -0.2630306 0.6475971
## NP_001034558 NP_004945 NP_001156769 NP_001122390 NP_001122392
## A0.A12D.01TCGA 1.8238026 1.7818949 1.6371225 0.5665692 0.5665692
## C8.A131.01TCGA 1.0150779 1.1931847 1.1486580 1.4603448 1.4603448
## A0.A12B.01TCGA 0.3988750 0.4016464 0.4044179 -1.0201197 -1.0201197
## BH.A18Q.02TCGA -0.5306072 -0.3332297 -0.2696674 -0.6510410 -0.6510410
## C8.A130.02TCGA 1.0114002 1.0212398 0.9818814 0.7326114 0.7326114
## C8.A138.03TCGA 0.7390256 0.7280541 0.6622256 1.6789103 1.6789103
## NP_061120 NP_001186796 NP_113605 NP_079413 NP_065916
## A0.A12D.01TCGA 0.3684597 -0.06585726 -0.5801800 -0.43159788 0.2389266
## C8.A131.01TCGA 1.4603448 0.93007239 1.3874829 -0.06570632 -0.8186122
## A0.A12B.01TCGA -0.6404277 -2.39477069 -2.3864563 0.19101443 -0.7124861
## BH.A18Q.02TCGA 1.4933488 0.65700335 0.6570033 0.02138080 0.4161359
## C8.A130.02TCGA 0.9753217 0.82444770 0.8244477 -0.66461276 0.8572464
## C8.A138.03TCGA 1.6094247 1.36805350 1.5253105 0.92188252 -0.3727447
## NP_945314 NP_055105 NP_001265399 NP_055841 NP_003137
## A0.A12D.01TCGA 0.6351456 -0.1420532 1.75903606 1.83142223 -1.95551715
## C8.A131.01TCGA 0.8288754 -0.5676436 -0.02522751 -0.03737115 -1.15053841
## A0.A12B.01TCGA -0.7180290 0.5457631 -1.08109208 -1.08940650 -1.23629461
## BH.A18Q.02TCGA -0.4369365 -0.1090891 -0.59751485 -0.59751485 -0.44362728
## C8.A130.02TCGA 0.6079764 -0.6547732 -1.18611191 -1.17627230 0.93924311
## C8.A138.03TCGA 0.2928546 -0.3873733 1.36805350 1.37536778 -0.08748789
## NP_653174 NP_001165780 NP_116178 NP_009293 NP_060549
## A0.A12D.01TCGA 2.4524193 2.4524193 -0.97258922 -0.8582953 0.4332263
## C8.A131.01TCGA 1.5493982 1.5493982 -1.24768755 0.1407356 0.2014538
## A0.A12B.01TCGA -2.8548354 -2.8548354 1.67652443 -1.1143498 0.6898797
## BH.A18Q.02TCGA -1.2866635 -1.2866635 0.63693106 -0.1659606 0.1284330
## C8.A130.02TCGA 0.4964608 0.4964608 -1.07787624 1.1196359 -0.9565211
## C8.A138.03TCGA 1.6386818 1.6386818 -0.02165938 -1.0822297 -1.2248582

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_036286 | NP_079128 | NP_036331 | NP_060099 | NP_598000 |
| ## | AO.A12D.01TCGA | 0.90183148 | 0.4827537 | 0.3722695 | 0.61990641 | -2.1269581 |
| ## | C8.A131.01TCGA | 1.01103001 | -0.3085792 | -0.3773931 | 0.05977799 | -0.8712346 |
| ## | AO.A12B.01TCGA | -0.84551680 | 0.2492154 | 0.1161846 | 0.05798369 | -0.8815460 |
| ## | BH.A18Q.02TCGA | 0.42617200 | 0.4629712 | 0.5666780 | 0.42617200 | -0.2228321 |
| ## | C8.A130.02TCGA | 0.05367852 | 0.2996687 | 0.5292595 | 0.54893872 | -1.8224065 |
| ## | C8.A138.03TCGA | 1.02428242 | 0.2160547 | -0.2776591 | 0.44645443 | -2.6182282 |
| ## | | NP_055806 | NP_005883 | NP_443137 | NP_783863 | NP_065842 |
| ## | AO.A12D.01TCGA | 1.09232138 | 0.7342004 | 1.8885692 | 1.0275548 | 3.42391786 |
| ## | C8.A131.01TCGA | 1.15270584 | 1.5332066 | 2.2051549 | 1.7801274 | 0.05977799 |
| ## | AO.A12B.01TCGA | 0.02749747 | -2.3781419 | -1.8875910 | -1.9069913 | -0.48245372 |
| ## | BH.A18Q.02TCGA | -0.37002888 | 1.6639633 | 0.7138748 | 0.8242724 | -1.00899682 |
| ## | C8.A130.02TCGA | -0.27102850 | -0.4612609 | -0.3923836 | 0.4374232 | 0.27342973 |
| ## | C8.A138.03TCGA | 0.47571154 | 0.1026833 | 0.4281687 | 0.8011969 | -0.09845931 |
| ## | | NP_057365 | NP_004774 | NP_057235 | NP_001129663 | NP_056308 |
| ## | AO.A12D.01TCGA | 1.00469603 | -0.28301575 | -0.1001454 | 0.82944531 | 0.79896692 |
| ## | C8.A131.01TCGA | 0.13263985 | 0.62243344 | 0.8288754 | 0.16907078 | 0.05168223 |
| ## | AO.A12B.01TCGA | -1.07277766 | -0.49353961 | -0.8621456 | -1.13652155 | -1.13097861 |
| ## | BH.A18Q.02TCGA | -0.53060721 | -0.64769558 | -0.5774426 | -0.08232604 | -0.08232604 |
| ## | C8.A130.02TCGA | -0.05783702 | -0.01191886 | 0.1159960 | 0.68669321 | 0.68669321 |
| ## | C8.A138.03TCGA | 0.66222564 | 1.65331035 | 1.6203961 | 0.50496865 | 0.50496865 |
| ## | | NP_694856 | NP_001182073 | NP_056014 | NP_775866 | NP_001153705 |
| ## | AO.A12D.01TCGA | -1.083073368 | 0.04081709 | -0.6144682 | 0.5437104 | 4.1782579 |
| ## | C8.A131.01TCGA | -1.737481140 | 1.50082360 | -0.4907338 | -0.1952385 | 0.7681572 |
| ## | AO.A12B.01TCGA | -0.008531686 | -0.54896909 | -1.3083529 | -0.6819998 | -2.3033121 |
| ## | BH.A18Q.02TCGA | 3.610975533 | 1.23909979 | -0.5239164 | -1.0457960 | 1.9683930 |
| ## | C8.A130.02TCGA | -1.025398337 | -0.95652109 | 3.3729058 | 0.3652661 | -2.0880759 |
| ## | C8.A138.03TCGA | -1.820971855 | -0.83354428 | 0.1611976 | -0.2520592 | 2.1799384 |
| ## | | NP_000693 | NP_001243142 | NP_653300 | NP_000695 | NP_001172014 |
| ## | AO.A12D.01TCGA | 4.2620735 | 4.2620735 | 4.2620735 | 4.6582925 | 4.864022 |
| ## | C8.A131.01TCGA | 0.8936415 | 0.9138809 | 0.8814978 | 0.9584076 | 1.055557 |
| ## | AO.A12B.01TCGA | -2.2949976 | -2.2949976 | -2.2423396 | -2.9518369 | -3.015581 |
| ## | BH.A18Q.02TCGA | 2.1323168 | 2.1523890 | 2.6876501 | 1.9483207 | 2.664232 |
| ## | C8.A130.02TCGA | -2.0454376 | -2.0454376 | -1.9240824 | -2.2881479 | -2.147113 |
| ## | C8.A138.03TCGA | 1.8507959 | 1.8727387 | 2.0738814 | 1.9239387 | 2.073881 |
| ## | | NP_006368 | NP_001074003 | NP_001073890 | NP_996826 | NP_001123616 |
| ## | AO.A12D.01TCGA | 0.1360620 | -0.4849351 | 0.2046384 | -0.5877996 | 0.44846549 |
| ## | C8.A131.01TCGA | -0.3369143 | -0.8428995 | -0.4219198 | 1.6748825 | 1.42796175 |
| ## | AO.A12B.01TCGA | 3.1398626 | 3.2534931 | 2.8156002 | -2.7218046 | 0.02749747 |
| ## | BH.A18Q.02TCGA | 0.2555575 | 0.5131519 | -0.6677679 | -1.7115270 | -2.25013349 |
| ## | C8.A130.02TCGA | -1.0385178 | -0.6711725 | -0.4809401 | 1.1917930 | 0.81132823 |
| ## | C8.A138.03TCGA | 1.5947961 | -1.3016581 | 2.2384526 | -0.2374306 | 0.88531113 |
| ## | | NP_066548 | NP_061184 | NP_065134 | NP_542166 | NP_863651 |
| ## | AO.A12D.01TCGA | 0.44846549 | 0.5475202 | 0.25416579 | 0.8675433 | -0.5192232 |
| ## | C8.A131.01TCGA | 1.42796175 | -0.5716914 | -0.02522751 | 0.7519656 | 1.5291588 |
| ## | AO.A12B.01TCGA | 0.02749747 | 0.7647095 | -0.45751045 | -0.3383371 | -0.8067162 |
| ## | BH.A18Q.02TCGA | -2.14642665 | -0.6844948 | 0.28901134 | 0.2622483 | 0.1451599 |
| ## | C8.A130.02TCGA | 0.78508928 | -0.6022953 | 0.48006147 | 0.8441269 | -0.7826880 |
| ## | C8.A138.03TCGA | 0.88531113 | 0.8523969 | 0.27822603 | -0.8554871 | 1.1339966 |
| ## | | NP_055828 | NP_060506 | NP_003740 | NP_976324 | NP_079524 |
| ## | AO.A12D.01TCGA | 0.74943955 | -0.38207051 | -0.6182780 | 0.99707643 | -0.04299847 |
| ## | C8.A131.01TCGA | -0.14666393 | 0.01120342 | -0.1749991 | 0.05168223 | 1.44820115 |
| ## | AO.A12B.01TCGA | 0.30741634 | 0.87002553 | 3.8687603 | -0.61825594 | 1.63772380 |
| ## | BH.A18Q.02TCGA | -0.27301281 | -0.82500081 | 0.7807825 | -1.04579602 | -1.11270366 |

```

## C8.A130.02TCGA 0.45710239 0.16191419 -1.1172347 0.59813675 -0.53997774
## C8.A138.03TCGA 0.04416912 1.04988239 -1.1334297 0.43914015 1.43753914
## NP_059830 NP_003541 NP_055448 NP_002936 NP_112553
## A0.A12D.01TCGA 0.3875087 0.2922638 -0.62970739 -0.9954480 -0.08109645
## C8.A131.01TCGA 1.2377113 0.5738589 0.27836356 -0.6081224 -0.49882958
## A0.A12B.01TCGA -1.2889526 -0.5101685 0.38501760 1.4298633 0.73145184
## BH.A18Q.02TCGA 0.1886499 0.2221037 0.09832458 0.6971479 -0.21279593
## C8.A130.02TCGA 0.6112562 0.1848733 0.68341334 0.8211678 0.50630042
## C8.A138.03TCGA -0.8225729 -0.3946876 -0.51903031 0.1721690 0.22702608
## NP_004564 NP_006504 NP_060191 NP_653271 NP_149107
## A0.A12D.01TCGA -0.70209355 -1.593586322 0.1665404 -1.235465 -0.28301575
## C8.A131.01TCGA 1.24175922 -1.203160857 -0.1507118 4.415298 -0.46644653
## A0.A12B.01TCGA -1.46909842 0.357302865 0.9891989 -1.782275 0.81182458
## BH.A18Q.02TCGA 1.58367412 0.004653887 0.5666780 1.593710 -1.08928598
## C8.A130.02TCGA -0.48094011 -0.297267449 1.6706539 -2.061837 -0.02175846
## C8.A138.03TCGA 0.04051198 0.124626181 -1.3601723 -1.561315 1.06085381
## NP_001166216 NP_006355 NP_079272 NP_079033 NP_079532
## A0.A12D.01TCGA 0.9551686 0.9323099 -0.1382434 0.1208229 0.2427364
## C8.A131.01TCGA -0.3409622 1.1203228 -1.2719748 0.5333801 0.1366877
## A0.A12B.01TCGA 1.9813866 0.3961035 0.9891989 -0.1110762 -0.4020810
## BH.A18Q.02TCGA -0.1559244 -0.5272618 -0.3967919 -0.9755430 -0.5807879
## C8.A130.02TCGA -1.0417977 0.3652661 0.3751057 1.1491547 0.7522906
## C8.A138.03TCGA 0.9145682 0.8523969 -0.4970875 -0.4276018 -0.2008592
## NP_009178 NP_942583 NP_982284 NP_002218 NP_003322
## A0.A12D.01TCGA -0.8049581 -0.8049581 1.94190638 -0.01632988 0.75324935
## C8.A131.01TCGA 0.4240873 0.4564703 0.70339106 0.35527330 0.39575211
## A0.A12B.01TCGA 0.6566220 0.5097339 -1.26123788 -0.29676497 0.05521221
## BH.A18Q.02TCGA -0.4302458 -0.4436273 -0.39010117 -0.59082408 0.60013186
## C8.A130.02TCGA 0.5194199 0.5915770 -0.04143768 0.12583564 -0.35630509
## C8.A138.03TCGA -0.2520592 -0.2264592 -0.10943073 -0.23377346 -0.85182998
## NP_001004019 NP_001989 NP_064581 NP_001934 NP_001138439
## A0.A12D.01TCGA 2.6733876 2.7648228 -0.34397252 -0.4201685 -1.5669177
## C8.A131.01TCGA 2.8487680 2.9094862 -0.06165844 -0.3854889 -0.8267079
## A0.A12B.01TCGA -1.8293900 -1.8626477 -1.24460904 -1.5688715 2.3056490
## BH.A18Q.02TCGA 0.7540194 0.7239110 -0.26966743 0.6436218 -2.4441656
## C8.A130.02TCGA 0.8244477 0.8113282 0.69325295 -1.5009793 -1.3632248
## C8.A138.03TCGA 2.0226814 2.0336528 -0.08383075 -1.3053152 -0.8481728
## NP_006145 NP_940682 NP_000143 NP_002678 NP_001009921
## A0.A12D.01TCGA 0.6770534 0.67705338 -1.8717016 0.665623989 0.87897269
## C8.A131.01TCGA 0.9219766 0.79649232 0.8248275 0.003107659 0.48075761
## A0.A12B.01TCGA -1.0145767 -1.10880681 2.6215970 -0.099990324 0.28524455
## BH.A18Q.02TCGA -1.1160490 -1.12943056 -0.1793421 -0.309812008 -0.08232604
## C8.A130.02TCGA -0.5366979 -0.55965696 -0.6318141 1.208192361 -0.66133289
## C8.A138.03TCGA -0.1350307 -0.06188792 -2.3585713 -0.010687968 0.80851120
## NP_001001998 NP_060167 NP_001116298 NP_001116297 NP_079215
## A0.A12D.01TCGA -0.7059034 1.80856344 1.7476067 1.7437969 1.89237900
## C8.A131.01TCGA -0.1385682 0.09216104 -0.1790470 -0.1466639 0.57790675
## A0.A12B.01TCGA -0.1581913 -0.16927717 -0.1692772 -0.2247066 -1.15037892
## BH.A18Q.02TCGA 0.5432604 0.94470619 0.9915415 0.7674010 0.05148923
## C8.A130.02TCGA -0.1759123 1.75265059 1.7887291 1.7559305 0.56533806
## C8.A138.03TCGA -0.3398305 -1.17365822 -1.1444011 -1.1151440 2.56393800
## NP_000886 NP_001243573 NP_115812 NP_001145 NP_001150
## A0.A12D.01TCGA -0.90401285 -0.88115407 -0.1306238 -0.18396100 0.0217681
## C8.A131.01TCGA -0.33691434 -0.32477070 0.1083526 0.09620892 -0.7376546

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## A0.A12B.01TCGA 0.93654091 1.05571428 0.5319057 -0.77345848 -2.2423396
## BH.A18Q.02TCGA -0.65438634 -0.48711725 0.9447062 0.91459775 1.5903649
## C8.A130.02TCGA 4.21255224 4.21911198 0.3423070 -0.72037053 -1.0614769
## C8.A138.03TCGA 0.01491201 0.01491201 1.0937681 0.04416912 0.1392547
## NP_000370 NP_065875 NP_001186346 NP_002430 NP_077719
## A0.A12D.01TCGA 3.1800908 0.3113128 0.3532205 -0.05061807 0.53990065
## C8.A131.01TCGA 0.3633691 -0.2114300 -0.8509952 -0.23976520 1.50082360
## A0.A12B.01TCGA -0.5877697 -0.2302496 -0.9924049 0.89219732 -1.36655389
## BH.A18Q.02TCGA -1.5643302 0.7439833 0.3090836 0.31242902 -0.18937826
## C8.A130.02TCGA -5.5417778 -0.1791922 0.9818814 -0.21199086 -0.08735584
## C8.A138.03TCGA -5.8438249 -1.7332005 1.4558248 -0.34714477 0.30748314
## NP_000426 NP_060087 XP_003960240 NP_000030 NP_001003698
## A0.A12D.01TCGA 2.3419352 1.07708219 NA -1.5288198 1.9990533
## C8.A131.01TCGA 2.0634791 1.22556770 NA 0.1124004 0.8612584
## A0.A12B.01TCGA -1.1392930 -2.03170762 NA -2.8936360 -0.2053063
## BH.A18Q.02TCGA -0.6443502 -0.09905295 -0.9186715 -0.1559244 -0.1224706
## C8.A130.02TCGA 1.0540385 -0.23167007 -1.4157027 1.0245197 0.9392431
## C8.A138.03TCGA 0.6000543 0.51594007 -0.4970875 -2.4317141 1.0279396
## NP_005398 NP_612808 NP_002826 NP_005104 NP_001127853
## A0.A12D.01TCGA -0.2411080 1.1837565 2.08286891 2.1247767 0.7265808
## C8.A131.01TCGA 0.7114868 0.7236305 1.19723253 1.0231737 -0.2033343
## A0.A12B.01TCGA 2.0950170 -1.0506059 -0.62102741 -0.4658249 0.5817922
## BH.A18Q.02TCGA -2.5947078 NA -0.56406103 -1.6446194 0.2120676
## C8.A130.02TCGA 2.4709419 NA 0.01104023 -0.1496734 0.9589223
## C8.A138.03TCGA 1.8983387 NA 0.68782561 2.9259948 -0.1240593
## NP_001121113 NP_031383 NP_079434 NP_002085 NP_060564
## A0.A12D.01TCGA -1.5402491 1.3323387 -0.7630503 -0.30968434 -0.587799607
## C8.A131.01TCGA 4.0793238 0.5050449 0.0152513 0.26621992 0.189310182
## A0.A12B.01TCGA -1.8820480 1.4936072 0.9642556 0.07184106 -0.000217265
## BH.A18Q.02TCGA 0.6737303 -0.8116193 -0.5774426 -0.98557914 -0.219486698
## C8.A130.02TCGA -1.3107469 -0.5432576 -0.6252543 0.26031026 0.181593406
## C8.A138.03TCGA 1.9751386 0.3733116 0.5598257 -0.11674500 -0.325201936
## NP_001003800 NP_001705 NP_001138593 NP_001124 NP_005553
## A0.A12D.01TCGA 0.37607933 1.53806777 NA -1.8717016 -1.2468947
## C8.A131.01TCGA 1.43605751 0.16502290 NA 0.9988864 3.8931212
## A0.A12B.01TCGA 0.23535802 0.67879384 NA -2.6802325 -0.6348848
## BH.A18Q.02TCGA 0.06152538 -0.01541840 -0.79823776 -2.1899166 1.5636018
## C8.A130.02TCGA 0.35542646 0.07007786 0.03727918 0.5161400 -2.0060791
## C8.A138.03TCGA -0.67263016 -1.53205786 NA -1.7076005 2.3371954
## NP_061486 NP_002898 NP_001230106 NP_005156 NP_001026973
## A0.A12D.01TCGA -1.2964221 0.0255779 0.05605628 0.07891507 -2.66413961
## C8.A131.01TCGA 3.9336000 0.8855457 -0.53526050 -0.41382408 -1.22744814
## A0.A12B.01TCGA -0.5323402 -1.4663269 1.38829115 0.45984740 0.09401285
## BH.A18Q.02TCGA 1.5535657 1.7843970 -3.14000506 -1.45058722 -1.65800090
## C8.A130.02TCGA -2.0847960 0.6571744 0.31278816 -0.23167007 0.15535446
## C8.A138.03TCGA 2.2677097 0.6549114 2.42496672 2.20188123 1.26199646
## NP_004178 NP_001036068 NP_006609 NP_067083 NP_001140177
## A0.A12D.01TCGA -0.1382434 -0.06204746 0.83706491 0.6122868 -0.05823766
## C8.A131.01TCGA 0.4362309 -0.28024401 0.01120342 0.8329233 0.35122542
## A0.A12B.01TCGA -0.3521944 -0.15541980 -0.80117322 -1.6159865 -0.40208098
## BH.A18Q.02TCGA -0.5138803 0.25555753 -1.06252293 -0.9253623 -0.53729797
## C8.A130.02TCGA 0.7588503 0.82772757 0.11271616 0.6604543 0.85068665
## C8.A138.03TCGA 0.6987970 -0.01800225 0.36234023 0.5890829 0.19776896
## NP_689854 NP_055955 NP_003326 NP_005222 NP_444507

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## A0.A12D.01TCGA -0.5611310 0.9170707 0.6694338 0.82563551 -3.395621
## C8.A131.01TCGA -0.4259677 0.4767097 -0.7821812 0.06787375 -2.777787
## A0.A12B.01TCGA 0.1272705 0.4903336 0.9836560 -0.14433391 4.076621
## BH.A18Q.02TCGA -0.7681293 -0.6510410 0.9748146 -1.36695268 -2.139736
## C8.A130.02TCGA 1.0376392 2.2708699 -0.5694966 1.94616286 -3.747689
## C8.A138.03TCGA 2.0117100 -2.6291996 0.9584539 1.40096775 1.704510
## NP_001107558 NP_058625 NP_005262 NP_036216 NP_055692
## A0.A12D.01TCGA -2.5803240 -2.58032405 -0.96496963 -0.99925781 -0.01252008
## C8.A131.01TCGA -0.9036177 -0.90361767 -0.80646853 -0.79837276 -0.18714274
## A0.A12B.01TCGA -0.5572835 -0.55728351 3.16480590 3.25626454 0.12727053
## BH.A18Q.02TCGA 2.0787906 1.50003958 -0.23286823 -0.22283208 0.30239287
## C8.A130.02TCGA -1.0188386 -0.78268804 0.03071944 0.10287655 0.54565885
## C8.A138.03TCGA 0.1758261 0.06611196 0.33308311 0.04416912 0.57811144
## NP_055680 NP_078799 NP_001257327 NP_068831 NP_001895
## A0.A12D.01TCGA 0.73801016 0.3113128 2.1362061 -0.2830158 0.66943379
## C8.A131.01TCGA 0.01929918 0.4726618 1.4724884 -0.9360007 0.36336906
## A0.A12B.01TCGA -2.80217735 0.4127323 -1.6215295 -0.1498769 -0.63211331
## BH.A18Q.02TCGA 0.47300735 -0.5640610 0.3592644 1.0651399 0.48973426
## C8.A130.02TCGA 0.25047065 1.3131482 1.8379272 0.2307914 0.07991747
## C8.A138.03TCGA -0.06188792 0.4939972 1.6496532 -0.2264592 0.62565425
## NP_036419 NP_085152 NP_009090 NP_002624 NP_570854
## A0.A12D.01TCGA 0.8103963 0.1093935 2.2771686 0.4484655 -0.84305608
## C8.A131.01TCGA 0.2864593 0.3066987 0.5050449 0.6750559 -0.06165844
## A0.A12B.01TCGA -0.5267973 -1.3720968 -0.6598280 0.9614842 1.19151650
## BH.A18Q.02TCGA 0.7406379 -0.8149647 -0.9554707 -0.6577317 -0.78151085
## C8.A130.02TCGA -0.3628648 -1.7600890 -1.1041152 -0.4743804 -1.20579112
## C8.A138.03TCGA 1.0242824 -0.1094307 2.4725095 -0.9432585 0.56348288
## NP_060252 NP_038476 NP_001119 NP_003908 NP_001987
## A0.A12D.01TCGA 0.01033871 0.8218257 0.77991793 0.07510527 1.5494972
## C8.A131.01TCGA 0.33503390 0.7560135 0.47670973 -0.56764355 2.2739689
## A0.A12B.01TCGA 0.60119257 -1.3859542 0.44321856 0.83122490 -2.0261647
## BH.A18Q.02TCGA 0.19199527 -0.1057437 0.33919207 -1.95908526 -2.0962459
## C8.A130.02TCGA 0.24063104 -0.1103149 0.09959668 1.07371774 1.2836293
## C8.A138.03TCGA -0.45320181 0.4062259 0.41719731 1.70085316 0.9218825
## NP_006477 NP_006476 NP_542164 NP_659412 NP_001098057
## A0.A12D.01TCGA 2.1552551 1.8580908 -0.74400133 1.4542522 1.0199352
## C8.A131.01TCGA 3.3749925 3.1483111 -0.28429189 1.0029342 1.7963189
## A0.A12B.01TCGA -1.9291631 -2.1397951 1.88161350 -1.4884987 -1.1365216
## BH.A18Q.02TCGA -2.4475110 -2.4006757 1.02499535 2.7311401 0.8476901
## C8.A130.02TCGA 0.6276556 1.0868372 0.01104023 -1.1369139 -0.4842200
## C8.A138.03TCGA 1.0389110 0.9365111 2.55296659 -0.8628014 -0.4312590
## NP_653283 NP_002261 NP_038461 NP_005539 NP_064710
## A0.A12D.01TCGA 1.2980505 -0.4963645 0.12844245 0.4141773 -0.84305608
## C8.A131.01TCGA 1.5251109 -1.3812676 -0.44620712 0.5455237 0.36741694
## A0.A12B.01TCGA -1.4884987 0.3933320 -0.08613295 -0.8427453 0.03858337
## BH.A18Q.02TCGA 1.5535657 -0.5406434 -0.27970357 1.5870195 0.22210371
## C8.A130.02TCGA -0.5530972 -0.3431856 0.52269977 -0.3759843 -0.32678627
## C8.A138.03TCGA 0.4208545 0.1831404 -0.31788766 -0.7530872 0.27091175
## NP_000086 NP_003239 NP_009043 NP_055885 NP_057508
## A0.A12D.01TCGA 0.1970188 -3.8527966 0.2236874 0.49799287 -1.041165588
## C8.A131.01TCGA -1.4176985 -2.7170683 -0.4057283 0.04358647 -0.992671049
## A0.A12B.01TCGA -3.6613343 -3.8193083 -3.8165368 0.03026895 -0.260735809
## BH.A18Q.02TCGA -3.9295152 -3.3039288 1.4398227 -0.78820161 -2.069482867
## C8.A130.02TCGA -0.9696406 0.9490827 2.4479828 0.71293216 0.742450982

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## C8.A138.03TCGA 0.2489689 -3.1558276 0.8011969 1.58016757 -0.007030829
## NP_653173 NP_061915 NP_057424 NP_055062 NP_002931
## A0.A12D.01TCGA -0.1344336 -0.8240071 0.17796982 0.2236874 1.86952021
## C8.A131.01TCGA 0.8045881 -0.5312126 -0.47454229 0.4159915 0.30669873
## A0.A12B.01TCGA -1.4441552 0.4404471 0.58733520 0.2630728 0.09678432
## BH.A18Q.02TCGA 0.1585415 -0.7313301 -0.63096867 0.4763527 -1.20637435
## C8.A130.02TCGA 0.2471908 0.5981368 -0.03487794 -0.0709565 -0.18247204
## C8.A138.03TCGA 1.0315967 -1.5722864 0.68416847 1.4997105 -0.83720142
## NP_002941 NP_036228 NP_001185462 NP_851999 NP_001185463
## A0.A12D.01TCGA 3.3134337 1.30567008 -0.83924629 -0.80114830 -1.9288486
## C8.A131.01TCGA 1.6667867 0.50099701 0.07596952 0.04763435 -0.2559567
## A0.A12B.01TCGA -1.3665539 0.09955580 1.56566548 1.55180811 1.3106899
## BH.A18Q.02TCGA 0.2388306 -0.07563528 -0.96216147 -0.96216147 -0.1592698
## C8.A130.02TCGA -1.8650448 -1.07787624 -1.73057014 -1.73057014 -1.6879318
## C8.A138.03TCGA 2.1214242 0.09171193 -0.07651647 -0.03994508 -0.3142305
## NP_002493 NP_001070962 NP_002899 NP_055756 NP_060487
## A0.A12D.01TCGA -0.2563472 -0.2563472 -0.8887737 -0.2334884 1.54568737
## C8.A131.01TCGA 0.8450669 0.8450669 -0.2033343 -0.1628555 1.29033380
## A0.A12B.01TCGA -1.8654192 -1.8654192 -1.0090338 -0.4824537 -0.04733232
## BH.A18Q.02TCGA -0.6410048 -0.7815108 -0.4971534 -0.4068281 -1.12273980
## C8.A130.02TCGA -1.1565931 -1.1992314 0.4669420 2.0675180 0.64077505
## C8.A138.03TCGA 0.7755970 0.7755970 -0.5994874 -1.3236009 1.44485342
## NP_000089 NP_001005373 NP_000866 NP_000199 NP_055030
## A0.A12D.01TCGA -1.5516785 -0.7287621 -0.5725604 0.7951571 0.58942803
## C8.A131.01TCGA -0.5797872 0.4362309 -3.0570903 -0.8631389 -0.68907998
## A0.A12B.01TCGA 2.5412243 0.2381295 -1.6409298 -0.3826807 -0.53511172
## BH.A18Q.02TCGA -1.2498643 -0.9253623 -1.0357599 1.0785215 -0.32988430
## C8.A130.02TCGA -0.2447895 1.3098683 -1.0483574 -1.0352379 -0.08735584
## C8.A138.03TCGA -2.1866858 -0.5336589 -3.8067984 0.4683973 -2.43171410
## NP_036424 NP_001245257 NP_055861 NP_006175 NP_036440
## A0.A12D.01TCGA 0.1551110 0.1360620 0.7532493 1.41615423 -0.4011195
## C8.A131.01TCGA 1.7315528 1.8125104 0.6102898 1.63440367 -0.4057283
## A0.A12B.01TCGA -2.1702813 -2.1896816 -0.6210274 -0.08336148 -0.6958572
## BH.A18Q.02TCGA 2.0486822 2.2527505 0.4529351 1.02499535 -0.2495951
## C8.A130.02TCGA -0.5366979 -0.6154147 -0.3891038 1.23443131 0.8178880
## C8.A138.03TCGA -0.4202876 -0.6543445 0.9035968 0.98405389 3.5989084
## NP_001005366 NP_002206 NP_001159907 NP_056141 NP_065813
## A0.A12D.01TCGA -0.4544567 0.8294453 0.757059145 0.3608401 -0.3249235
## C8.A131.01TCGA 1.2619986 -1.0695808 -1.328645166 1.8691808 1.1000834
## A0.A12B.01TCGA -1.4690984 -2.1203948 -2.106537410 -1.7850464 -0.5794553
## BH.A18Q.02TCGA 0.1183969 -0.1425429 0.004653887 0.5298788 -1.0692137
## C8.A130.02TCGA 0.5423790 1.4968208 1.509940297 -0.1857519 -0.4645408
## C8.A138.03TCGA 1.5947961 -0.8884014 -0.972515569 0.1758261 -0.8957156
## NP_055665 NP_001258816 XP_003960178 NP_056976 NP_057225
## A0.A12D.01TCGA 0.0141485 0.1360620 0.9208805 NA -1.0830734
## C8.A131.01TCGA 2.3023040 1.8772765 2.5816078 NA 0.3998000
## A0.A12B.01TCGA 1.6737530 -1.8404759 -1.5217564 NA 0.5513060
## BH.A18Q.02TCGA 0.1819591 0.2823206 1.6539271 -1.9457037 -0.1224706
## C8.A130.02TCGA -1.2746684 -0.1857519 0.2996687 -0.5662167 -1.0909957
## C8.A138.03TCGA 1.0352538 0.3221117 -0.3983447 2.4688524 1.2363965
## NP_006132 NP_001138887 NP_055040 NP_002707 NP_742067
## A0.A12D.01TCGA 0.9246903 0.0217681 -0.1649120 -0.74781113 0.43322630
## C8.A131.01TCGA 1.4927278 -0.3450101 -0.5393084 -1.13839476 -0.02927539
## A0.A12B.01TCGA -0.2718217 -0.4103954 0.9614842 1.42709178 0.54299162

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## BH.A18Q.02TCGA -0.1994144    0.5934411    0.4094451    0.63693106 -0.61758714
## C8.A130.02TCGA -0.7006913    0.1192759    0.6112562 -0.28086810  1.65425453
## C8.A138.03TCGA -0.0326308    0.9730825    0.4062259 -0.01068797  2.10313847
##      NP_835461 NP_001185707    NP_002800    NP_054908    NP_789771
## AO.A12D.01TCGA -0.53446243 -0.001090689    0.81039632 -0.2525374 -0.2525374
## C8.A131.01TCGA  1.46439267    0.792444440    0.00715554    0.9907906    0.9907906
## AO.A12B.01TCGA -0.35773740 -0.399309503    0.06352663 -0.4907681 -0.4907681
## BH.A18Q.02TCGA  0.16857760 -0.202759788 -0.61424176    0.2254491    0.2154129
## C8.A130.02TCGA  0.73589124 -0.539977745    0.52925951    0.5030206    0.4899011
## C8.A138.03TCGA -0.08017361 -0.361773328 -0.06554506    1.1339966    1.1339966
##      NP_057190    NP_000875    NP_000874 NP_001073312    NP_003904
## AO.A12D.01TCGA  0.8256355 -0.97639902 -1.4107160    1.1570880 0.78753753
## C8.A131.01TCGA  0.2824114 -0.07784996    0.1650229   -1.6200926 0.02334706
## AO.A12B.01TCGA  0.4543045    0.72590889 -1.4081260    0.9725701 0.32681665
## BH.A18Q.02TCGA -0.7647839 -1.88883225 -1.7717439   -1.7416354 0.38937280
## C8.A130.02TCGA  0.1487947 -0.42190247    2.1855933    0.4505427 1.46730200
## C8.A138.03TCGA  0.5342258 -0.03994508    0.7280541    0.8194826 1.09742520
##      NP_005490    NP_057526    NP_002044    NP_004111    NP_060754
## AO.A12D.01TCGA -0.09633564    0.1665404    3.4924942    3.8963328    3.01245966
## C8.A131.01TCGA -0.38953679 -0.8631389    0.4929013    1.9906172    0.09620892
## AO.A12B.01TCGA  0.29910191 -1.4053545 -3.9273957 -2.2894547 -4.53712000
## BH.A18Q.02TCGA  1.31938896    2.5805979    4.6681162    2.8315016    3.93882296
## C8.A130.02TCGA  1.20491249 -0.5366979 -0.4579810 -0.9729204 -0.56293683
## C8.A138.03TCGA -0.90668706    0.5086258    0.6512542    0.3221117    1.62039610
##      NP_001139575    NP_000578    NP_852664    NP_005018    NP_852556
## AO.A12D.01TCGA  0.002719109 -0.3706411    1.1075606 -0.19539040    1.36662685
## C8.A131.01TCGA -1.717241735    2.3306392    0.6507686    0.12454409    0.65076861
## AO.A12B.01TCGA -0.066732638 -2.1869102 -1.4829558    0.02749747 -1.81553265
## BH.A18Q.02TCGA  1.881413111 -2.0159568 -0.1157799 -0.95547071 -0.08567142
## C8.A130.02TCGA  0.634215309    0.1258356 -0.5530972    1.09011708 -0.47766024
## C8.A138.03TCGA  1.426567724 -1.6344578 -0.8628014    0.09171193 -0.26303057
##      NP_003620    NP_694985    NP_001191236    NP_060653    NP_001161328
## AO.A12D.01TCGA  0.38750872    0.3113128   -0.9725892 -0.54208203 -0.54208203
## C8.A131.01TCGA  0.10430468    1.4846321   -0.5514520 -0.16690334 -0.16690334
## AO.A12B.01TCGA  0.02749747 -1.1226642   -2.2173964 -0.60439857 -0.60439857
## BH.A18Q.02TCGA  0.10836073    0.2622483   -0.4536634    0.04479847    0.07825229
## C8.A130.02TCGA -0.60557512    0.2996687    0.6178160    0.94580285    0.92940351
## C8.A138.03TCGA  0.33308311 -0.1825735   -1.2724010    0.62931139    0.62931139
##      NP_001093592    NP_001230368    NP_690868    NP_891554    NP_203744
## AO.A12D.01TCGA  -0.46207627    2.1095375    2.0219121    0.7913473    0.6541946
## C8.A131.01TCGA  -0.06570632    1.4239139    1.4239139    1.1041313    2.1363409
## AO.A12B.01TCGA  -1.38318273   -0.9092607 -1.0755491 -0.4602819    0.6344503
## BH.A18Q.02TCGA  0.03810771   -1.2732820 -1.4171334 -1.5275310    2.2828589
## C8.A130.02TCGA  0.41446409    0.2832693    0.3226278 -0.1988714 -0.3661447
## C8.A138.03TCGA  0.62931139    0.9584539    0.9584539    1.6021104    0.1721690
##      NP_000519    NP_001073860    NP_001124160    NP_002119    NP_004500
## AO.A12D.01TCGA  0.4446557    0.9132609   -1.6354941    0.3836989    0.665623989
## C8.A131.01TCGA  1.6222600    0.3593212   -0.6000266    0.2621720 -0.535260504
## AO.A12B.01TCGA  0.3157308    0.3268167    0.9448553    0.4820192 -0.113847693
## BH.A18Q.02TCGA  0.1551961    0.9279793    0.3358467 -0.6610771    0.429517383
## C8.A130.02TCGA  2.1199959   -0.2907077   -0.0184786    2.8842054 -0.480940105
## C8.A138.03TCGA  0.2855403   -0.6799444    0.1867975    1.8105673    0.007597728
##      NP_001171944    NP_612411    NP_009168    NP_787048    NP_060830
## AO.A12D.01TCGA  0.24273639    0.10177386    2.07524931    0.25035599 -0.2753962

```



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## C8.A131.01TCGA -0.60002660 -0.31262705 0.01120342 0.01120342 -0.5514520
## A0.A12B.01TCGA -0.06673264 -0.01407463 -1.06169176 -0.70694310 -0.2413355
## BH.A18Q.02TCGA 0.42951738 2.12562599 1.33611587 -0.87183616 -1.0123422
## C8.A130.02TCGA -0.24150968 -0.51373879 -1.05819703 0.87036587 2.3036686
## C8.A138.03TCGA 0.10999762 -1.14440111 -0.30325910 -0.38737330 -0.7457729
## NP_005569 NP_003312 NP_005078 NP_001013456 NP_000166
## A0.A12D.01TCGA 0.9132609 -0.6830446 0.34179115 0.2808344 0.6732436
## C8.A131.01TCGA 0.2540763 -0.8064685 -0.44215924 -0.6283618 -0.1061851
## A0.A12B.01TCGA 1.0584858 2.6797980 0.08292695 0.0247260 0.2021003
## BH.A18Q.02TCGA 0.7941640 0.3893728 -0.50384416 -0.4804265 -1.9691214
## C8.A130.02TCGA 0.1717538 0.6079764 0.94908272 0.9490827 0.5554985
## C8.A138.03TCGA -0.4568589 0.8633683 -0.64703018 -0.5446303 0.7938826
## NP_000473 NP_064601 NP_008880 NP_001139280 NP_000878
## A0.A12D.01TCGA -3.970900 1.4237738 0.8827825 -1.410716 -0.3744509
## C8.A131.01TCGA -1.235544 -0.9440965 0.5090928 5.504178 1.8084626
## A0.A12B.01TCGA -2.699633 -0.9868620 1.1083723 -1.660330 -2.0427935
## BH.A18Q.02TCGA 1.493349 -0.7346755 -0.5908241 -1.477350 0.6268949
## C8.A130.02TCGA 1.372186 -1.2681086 -0.1037552 -1.756809 -1.2057911
## C8.A138.03TCGA -2.164743 0.8267969 -0.9542299 -2.095257 -0.6580016
## NP_005344 NP_061176 NP_073609 NP_036580 NP_003143
## A0.A12D.01TCGA -2.3364970 -0.93830104 -0.43540768 -0.6868544 -0.5839898
## C8.A131.01TCGA 2.4561235 2.06752693 0.08001740 -0.3369143 -0.6283618
## A0.A12B.01TCGA -3.2566991 0.02749747 1.92318561 0.1522138 -0.3411086
## BH.A18Q.02TCGA -1.6345832 -1.19968358 0.75736481 0.6636941 0.7841279
## C8.A130.02TCGA -2.1471135 -1.54033775 -2.95068136 0.8867652 0.9458029
## C8.A138.03TCGA 0.2672546 1.59113899 -0.03628794 -0.7896586 -0.8152586
## NP_078900 NP_055865 NP_000054 NP_001171534 NP_001041666
## A0.A12D.01TCGA -0.1230042 -0.5725604 0.4179871 0.4713243 -3.14417418
## C8.A131.01TCGA 0.4281352 -1.0452935 -0.2195258 -0.2195258 0.71148682
## A0.A12B.01TCGA -0.7402008 0.2852445 1.7485828 1.8594417 -2.69686135
## BH.A18Q.02TCGA -0.2897397 0.2522121 0.2321399 0.1351238 -0.08232604
## C8.A130.02TCGA -0.5760563 0.8113282 0.9556425 1.0868372 3.09411696
## C8.A138.03TCGA 0.4537687 0.2306832 -0.4202876 -0.4056590 -2.02211451
## NP_690856 NP_001037 NP_000329 NP_001008493 NP_001753
## A0.A12D.01TCGA 0.2998834 -1.0906930 -0.1382434 2.37622337 -0.1420532
## C8.A131.01TCGA -0.9886232 -1.6200926 -2.4782434 1.37129141 -0.6728885
## A0.A12B.01TCGA -0.1415624 -2.9740087 -1.9901355 -2.29499763 0.9143691
## BH.A18Q.02TCGA 2.7144132 2.3430758 -11.3060822 -1.28666351 -0.6276233
## C8.A130.02TCGA -0.7302101 -1.4616209 -2.7342100 0.09303695 -0.2447895
## C8.A138.03TCGA 0.9255397 0.9182254 0.7061113 0.21605466 -0.4093161
## NP_001009186 NP_006575 NP_001180458 NP_001157632 NP_001229827
## A0.A12D.01TCGA -0.1039552 -0.48874485 -0.2372982 0.32655195 0.0217681
## C8.A131.01TCGA -0.6162181 -0.55954779 -0.5312126 -0.40572832 0.5333801
## A0.A12B.01TCGA 0.9559412 -0.99517639 -1.1143498 0.02472600 1.3578049
## BH.A18Q.02TCGA -0.6209325 -0.45700881 -0.4770811 -1.22310126 -0.5138803
## C8.A130.02TCGA -0.2119909 0.08647721 0.1127162 1.87400574 -0.5465375
## C8.A138.03TCGA -0.3764019 -0.54097315 -0.4276018 0.04782626 -0.2154878
## NP_061878 NP_002100 NP_036340 NP_006653 NP_001986
## A0.A12D.01TCGA 0.37226953 -0.72114254 -0.5877996 0.6427652 2.3686038
## C8.A131.01TCGA 0.58600251 -0.87123462 -1.6241405 0.5455237 0.8814978
## A0.A12B.01TCGA 1.26911777 0.96979859 1.8511273 -0.4879967 -2.3642845
## BH.A18Q.02TCGA -0.18603288 -0.08232604 -0.6610771 0.1652322 0.6101680
## C8.A130.02TCGA -0.06111689 -0.52029853 -0.1923116 0.4013446 -0.7203705
## C8.A138.03TCGA 0.29285458 0.31845456 1.3680535 0.9255397 -0.3983447

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_057318 | NP_001009185 | NP_054749 | NP_476510 | NP_001128686 |
| ## | AO.A12D.01TCGA | 4.4258948 | 2.5286153 | 1.82761243 | 0.14368164 | 0.117013054 |
| ## | C8.A131.01TCGA | 2.1606282 | 1.5089194 | -0.26405248 | 0.22978899 | 0.221693229 |
| ## | AO.A12B.01TCGA | -1.9180772 | -1.9541063 | 0.09401285 | -0.01961758 | 0.008097157 |
| ## | BH.A18Q.02TCGA | 0.7071841 | -0.3399204 | -0.12247062 | 1.35284278 | 1.382951214 |
| ## | C8.A130.02TCGA | -0.8548452 | -0.2644688 | 0.49974069 | -0.20215125 | -0.290707711 |
| ## | C8.A138.03TCGA | 1.8069102 | -0.2484020 | -0.57754454 | 0.39159734 | 0.519597211 |
| ## | | NP_659496 | NP_001395 | NP_821133 | NP_006079 | NP_001060 |
| ## | AO.A12D.01TCGA | -0.32873333 | 0.8103963 | 0.24273639 | 0.1055837 | 0.01033871 |
| ## | C8.A131.01TCGA | -0.17499910 | 1.1365143 | 0.62648132 | 0.6871995 | 0.67910377 |
| ## | AO.A12B.01TCGA | -0.05010379 | 0.1328135 | -0.28290760 | -0.1360195 | -0.39099508 |
| ## | BH.A18Q.02TCGA | 1.73087093 | -0.9788884 | -0.08232604 | -0.2295228 | -0.17265135 |
| ## | C8.A130.02TCGA | -0.94012175 | 1.4968208 | 0.92940351 | 0.7752497 | 0.89004508 |
| ## | C8.A138.03TCGA | -1.60154350 | 0.2087404 | -0.11308786 | 0.1538833 | -0.03628794 |
| ## | | NP_821080 | NP_006078 | NP_006077 | NP_115914 | NP_110400 |
| ## | AO.A12D.01TCGA | 0.06748568 | 0.16654043 | 0.04843669 | -0.05442786 | 0.08272487 |
| ## | C8.A131.01TCGA | 0.67505589 | 0.71553470 | 1.03126941 | 0.67100801 | 1.47653632 |
| ## | AO.A12B.01TCGA | -0.36605182 | -0.14987685 | -0.53234025 | -0.24687844 | -0.61825594 |
| ## | BH.A18Q.02TCGA | -0.16596059 | -0.23621361 | -0.40682808 | 0.14850531 | -0.54733412 |
| ## | C8.A130.02TCGA | 0.86052626 | 0.87692561 | 1.04419892 | 0.67685361 | 1.13275538 |
| ## | C8.A138.03TCGA | -0.07285933 | 0.04782626 | 0.08439765 | -0.13137356 | -0.14234498 |
| ## | | NP_817124 | NP_000009 | NP_001029031 | NP_055935 | NP_060322 |
| ## | AO.A12D.01TCGA | 0.3417911 | -0.6601858 | -0.686854359 | -0.1382434 | 1.096131 |
| ## | C8.A131.01TCGA | 0.9665033 | -0.2883398 | -0.328818577 | 0.1285920 | -1.745577 |
| ## | AO.A12B.01TCGA | -0.1831345 | 2.2086474 | 2.186475624 | 0.1771571 | -2.885322 |
| ## | BH.A18Q.02TCGA | -0.5406434 | -0.0154184 | 0.007999269 | 0.2756298 | -0.423555 |
| ## | C8.A130.02TCGA | 1.0146801 | -0.2808681 | -0.303827187 | -0.0709565 | 5.084997 |
| ## | C8.A138.03TCGA | 0.5854257 | 1.3826821 | 1.382682054 | 0.6951399 | -3.247256 |
| ## | | NP_001120727 | NP_065812 | NP_055486 | NP_002825 | NP_001840 |
| ## | AO.A12D.01TCGA | 1.3323387 | -0.1153846 | -0.7668601 | 0.6122868 | -0.46969586 |
| ## | C8.A131.01TCGA | -1.5512786 | -0.7983728 | 0.2014538 | 0.3714648 | -0.01713175 |
| ## | AO.A12B.01TCGA | -2.4169425 | 0.7508522 | -0.1665057 | -0.9785475 | -3.01558084 |
| ## | BH.A18Q.02TCGA | -0.7079124 | 0.2957021 | -0.7447116 | 0.6871118 | 0.12508763 |
| ## | C8.A130.02TCGA | 5.0685980 | -0.2677486 | 0.2799895 | 0.3947849 | 0.80148862 |
| ## | C8.A138.03TCGA | -3.6824557 | -0.9688584 | -0.6104588 | -0.3544590 | -0.01068797 |
| ## | | NP_478054 | NP_001631 | NP_000273 | NP_001171475 | NP_003362 |
| ## | AO.A12D.01TCGA | -0.671615166 | -1.56691774 | -1.8526526 | -1.9174192 | -0.5116036 |
| ## | C8.A131.01TCGA | -0.146663935 | -0.40977620 | -1.8508218 | -1.8913006 | 0.9665033 |
| ## | AO.A12B.01TCGA | -2.996180524 | 0.74808068 | 2.9181447 | 2.9181447 | 0.1466709 |
| ## | BH.A18Q.02TCGA | 0.215412944 | -0.00872764 | 1.1086299 | 1.1253568 | -1.2498643 |
| ## | C8.A130.02TCGA | 0.794928884 | -0.35630509 | -0.6678926 | -0.6547732 | -0.5202985 |
| ## | C8.A138.03TCGA | 0.003940589 | 1.21445365 | 1.6459961 | 1.6752532 | 1.4887391 |
| ## | | NP_001127870 | NP_001001521 | NP_006750 | NP_060077 | NP_001258547 |
| ## | AO.A12D.01TCGA | -0.5916094 | 0.8713531 | 0.8904021 | 0.5932378 | 0.65800439 |
| ## | C8.A131.01TCGA | 0.9300724 | 0.7155347 | 0.7195826 | 0.6912474 | 0.71958258 |
| ## | AO.A12B.01TCGA | 0.1466709 | -0.8898604 | -0.9148036 | 0.3933320 | 0.38778908 |
| ## | BH.A18Q.02TCGA | -1.2297920 | 0.6804210 | 0.5967865 | -0.3934466 | -0.39344655 |
| ## | C8.A130.02TCGA | -0.5301381 | 0.3226278 | 0.2701499 | 1.0310794 | 1.03107944 |
| ## | C8.A138.03TCGA | 1.4887391 | -0.5812017 | -0.6762873 | 0.1173119 | 0.09902621 |
| ## | | NP_056969 | NP_060686 | NP_006245 | NP_006248 | NP_001229342 |
| ## | AO.A12D.01TCGA | -0.03537887 | 0.5818084 | 0.8180159 | 0.7570591 | 0.9894568 |
| ## | C8.A131.01TCGA | -0.38144103 | -0.3207228 | 1.3510520 | 0.3836085 | 0.8936415 |
| ## | AO.A12B.01TCGA | 0.04135484 | 0.2298151 | -1.4663269 | -1.9513349 | -2.3116265 |
| ## | BH.A18Q.02TCGA | -0.02879993 | -0.6644225 | -1.0591775 | -1.2966997 | -1.0156876 |

```

## C8.A130.02TCGA 0.29310895 -0.4087830 0.6571744 0.3980648 0.4636621
## C8.A138.03TCGA 0.47205440 -0.6616587 1.8032531 1.7191389 1.7739959
## NP_001013725 NP_060731 NP_839955 NP_001024 NP_001005242
## A0.A12D.01TCGA -0.1687218 0.002719109 -0.008710286 -0.9992578 0.15511104
## C8.A131.01TCGA 0.7924444 0.177166539 0.241932634 0.3593212 -0.95624012
## A0.A12B.01TCGA -0.8011732 0.681565309 0.681565309 -0.2801361 -0.29676497
## BH.A18Q.02TCGA -0.6911855 -0.045526841 -0.045526841 -0.3332297 1.11866605
## C8.A130.02TCGA -0.5137388 0.158634324 0.158634324 -1.6321741 0.03071944
## C8.A138.03TCGA 0.3659974 0.991368163 0.969425328 1.0498824 0.45376871
## NP_004563 NP_001026859 NP_003971 NP_001185537 NP_065143
## A0.A12D.01TCGA 0.15511104 1.57235595 0.6808632 0.5818084 4.43351437
## C8.A131.01TCGA -0.95624012 0.03549071 -0.1426161 -0.2033343 1.56963758
## A0.A12B.01TCGA -0.29676497 -0.48799667 0.6067355 0.6677079 -1.32498178
## BH.A18Q.02TCGA 1.10862990 0.15854145 -1.6513101 -1.5844025 -0.02210917
## C8.A130.02TCGA 0.02087983 -0.80236725 -0.7269303 -0.6842920 0.23735118
## C8.A138.03TCGA 0.58908286 1.15959656 0.7061113 0.7061113 0.82679690
## NP_079100 NP_001153576 NP_997543 NP_997545 NP_071451
## A0.A12D.01TCGA 0.349410742 0.5932378 0.61609661 -0.1572924 0.6961024
## C8.A131.01TCGA -0.004988103 -0.1061851 -0.19523851 -1.1424426 -2.4458603
## A0.A12B.01TCGA 0.157756746 0.1522138 0.09678432 0.1522138 -0.1637342
## BH.A18Q.02TCGA -0.965506853 -0.9855791 -1.18964744 -0.8584546 0.6503126
## C8.A130.02TCGA 1.083557344 1.0835573 1.36562607 1.2442709 -0.3727044
## C8.A138.03TCGA 0.936511076 0.9145682 0.96942533 0.9291968 -1.2248582
## NP_060469 NP_004078 NP_001191317 NP_065781 NP_066943
## A0.A12D.01TCGA 0.1474914 0.4294165 0.5132321 -0.79733851 -0.82400709
## C8.A131.01TCGA 0.2014538 0.3917042 0.3998000 -0.91576131 -0.83885157
## A0.A12B.01TCGA 0.9088262 0.9448553 0.8949688 1.29683251 1.19151650
## BH.A18Q.02TCGA 0.1618868 0.2187583 0.1284330 -1.03575987 -1.03575987
## C8.A130.02TCGA -0.6514933 -0.1726324 -0.2054311 0.76213020 0.76213020
## C8.A138.03TCGA 0.5817686 -0.4129733 -0.4605161 0.08805479 0.08074051
## NP_001159750 NP_001136171 NP_001356 NP_003267 NP_001027454
## A0.A12D.01TCGA -0.79733851 0.23892659 0.73039056 -0.3020647 0.7951571
## C8.A131.01TCGA -0.91576131 -0.02522751 -0.60407448 -0.5433563 0.7641093
## A0.A12B.01TCGA 1.29683251 1.18043061 -0.31616529 -1.1198927 -1.7240740
## BH.A18Q.02TCGA -1.03575987 -0.13250677 -10.13854392 0.2856660 -1.1361213
## C8.A130.02TCGA 0.76213020 -0.14967335 -0.08407597 -0.5563771 -0.6810121
## C8.A138.03TCGA 0.04051198 -0.15331639 -0.51903031 0.3477117 1.0864538
## NP_001027455 NP_079285 NP_002495 NP_060552 NP_003240
## A0.A12D.01TCGA 0.5894280 0.27702458 0.78372773 -0.5306526 -2.1421973
## C8.A131.01TCGA 0.6305292 0.96650332 -0.08189784 -0.6000266 0.3107466
## A0.A12B.01TCGA -1.4496981 -0.16927717 -0.54065467 0.0247260 -0.7374293
## BH.A18Q.02TCGA -0.6577317 -0.21948670 -0.64100481 0.5265335 -1.1394667
## C8.A130.02TCGA -0.6186946 0.02743957 0.18487328 0.1815934 -0.9762003
## C8.A138.03TCGA 0.8853111 0.73536842 2.20188123 0.4245116 -0.3142305
## NP_001340 NP_001646 NP_919254 NP_055869 NP_004108
## A0.A12D.01TCGA 0.075105274 1.1189900 0.6313358 0.6008574 1.9076182
## C8.A131.01TCGA -0.017131745 0.8653063 0.2824114 0.2986030 -0.5069253
## A0.A12B.01TCGA -0.002988738 1.7236395 0.7037371 0.6593935 -1.7933609
## BH.A18Q.02TCGA -0.313157390 -0.6844948 -0.5306072 0.1284330 -0.1826875
## C8.A130.02TCGA 0.568617932 0.2537505 0.2373512 -0.5990154 2.9104443
## C8.A138.03TCGA -0.460516085 0.8304540 0.9365111 1.4192534 -3.2326276
## NP_004318 NP_068781 NP_001083 NP_001243776 NP_060391
## A0.A12D.01TCGA 1.31709948 -0.56113102 -0.5611310 -0.5611310 0.34941074
## C8.A131.01TCGA -0.47454229 0.79649232 0.7964923 0.4888534 -0.90361767

```

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## A0.A12B.01TCGA 0.64830762 1.37720525 1.3772053 1.4963786 -0.05287527
## BH.A18Q.02TCGA -0.04552684 -0.09570757 -0.1191252 -0.3633381 0.66034873
## C8.A130.02TCGA 0.26359013 -0.28414797 -0.3103869 -0.5137388 0.05367852
## C8.A138.03TCGA -0.19720207 0.30016886 0.3038260 0.5122829 -0.91400134
## NP_001136254 NP_001254703 NP_777547 NP_036475 NP_055925
## A0.A12D.01TCGA 2.78768157 1.2599525 1.50377959 -2.7441454 -0.6182780
## C8.A131.01TCGA 1.12841856 0.2743157 -0.04141903 -1.8953485 0.1245441
## A0.A12B.01TCGA -0.05564674 1.1915165 1.68206738 0.3240452 -0.1471054
## BH.A18Q.02TCGA -1.58105711 -0.8952538 -0.84172772 -0.5506795 1.0350315
## C8.A130.02TCGA 0.44070305 -0.2349499 -0.06439676 -0.2939876 -0.8286062
## C8.A138.03TCGA 0.26725461 -0.1167450 -0.03628794 0.4720544 0.1355976
## NP_055642 NP_001258604 NP_006201 NP_056178 NP_078934
## A0.A12D.01TCGA 0.31893236 0.54371045 -0.6373270 -0.1649120 0.33036175
## C8.A131.01TCGA 0.61028980 0.15692713 -1.1302990 -3.5468839 -0.51906898
## A0.A12B.01TCGA -0.42425277 -0.98686196 -0.2385640 1.8538988 -0.06396116
## BH.A18Q.02TCGA 0.27228444 -3.27047496 3.6277024 2.9285176 -1.57102097
## C8.A130.02TCGA 0.07335773 0.48334134 0.1323954 0.2471908 0.56861793
## C8.A138.03TCGA -0.29594482 -0.05457364 -0.2228020 NA 0.68051133
## NP_005678 NP_001171579 NP_001171577 NP_001171580 NP_001171586
## A0.A12D.01TCGA 0.03319749 -1.0183068 -1.0602146 -0.9763990 -1.1554595
## C8.A131.01TCGA -1.17077781 -1.9074921 -1.8872527 -1.8872527 -1.9763061
## A0.A12B.01TCGA 0.81736753 -0.7402008 -0.5822268 -0.6903143 -0.1083047
## BH.A18Q.02TCGA -0.33322968 -0.8216554 -0.6042056 -0.9253623 -0.5774426
## C8.A130.02TCGA 0.92940351 0.4931809 0.5063004 0.4767816 -0.0283182
## C8.A138.03TCGA -1.62348634 2.3445097 2.2567383 2.3737668 1.7776531
## NP_056013 NP_005004 NP_001191397 NP_001191395 NP_009005
## A0.A12D.01TCGA 1.4847306 0.5703790 0.2732148 0.2732148 -0.3020647
## C8.A131.01TCGA -1.6727150 -0.5433563 -0.3207228 -0.5514520 1.6384516
## A0.A12B.01TCGA -0.5517406 4.6364585 -0.2191637 -0.1720486 -2.8354350
## BH.A18Q.02TCGA 4.9892729 -1.6580009 -0.2629767 -0.1693060 1.4966942
## C8.A130.02TCGA -1.1861119 -2.1766323 0.6866932 0.7063724 -0.9401217
## C8.A138.03TCGA 0.4501116 0.6073686 0.1977690 0.2343404 0.5378829
## NP_065857 NP_001161842 NP_055595 NP_055904 NP_001724
## A0.A12D.01TCGA -0.5154134 1.07708219 1.01231562 1.1723271 0.2960736
## C8.A131.01TCGA -0.3085792 0.39170423 0.46861397 0.4321830 1.3308126
## A0.A12B.01TCGA 0.9420839 0.56793488 0.49033361 0.3794747 -2.6996328
## BH.A18Q.02TCGA -0.6711132 0.08159767 0.08159767 -0.3098120 1.3896420
## C8.A130.02TCGA -0.1660727 -0.17919217 -0.17919217 0.2865492 0.5161400
## C8.A138.03TCGA 1.0242824 0.88531113 0.88531113 0.9182254 0.2233689
## NP_057630 NP_057591 NP_003709 NP_112557 NP_001252
## A0.A12D.01TCGA -0.2868256 3.3248631 1.0694626 1.0923214 -0.4277881
## C8.A131.01TCGA 0.1245441 -0.5474041 0.4929013 0.4767097 0.1893102
## A0.A12B.01TCGA -2.0455650 -1.1088068 -0.2884505 -0.3438800 -0.6459707
## BH.A18Q.02TCGA 0.8644170 -0.6476956 -0.7079124 -0.7079124 -1.4740049
## C8.A130.02TCGA 0.3095083 1.1393151 1.0835573 1.1360352 0.1192759
## C8.A138.03TCGA 0.1977690 1.9531958 0.6549114 0.7499970 0.4830258
## NP_060418 NP_037446 NP_065116 NP_001161076 NP_036336
## A0.A12D.01TCGA 0.09415427 1.4885404 0.1855894 0.1513012 -0.37826071
## C8.A131.01TCGA -0.06165844 0.2905072 0.1731187 0.1893102 -0.53121262
## A0.A12B.01TCGA -1.87096213 -0.8482883 -0.4242528 -0.4020810 -0.29399349
## BH.A18Q.02TCGA -0.91867151 -1.5476033 0.8811439 0.9079070 -0.01207302
## C8.A130.02TCGA 0.52597964 1.1524346 0.6309354 0.6637341 0.23407131
## C8.A138.03TCGA -0.14234498 1.7154817 1.6606246 1.6313675 0.50131152
## NP_001245218 NP_001164006 NP_114127 NP_006657 NP_631898

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## A0.A12D.01TCGA    0.1246326    0.5094223    0.42560670 -0.47350566 -0.62208779
## C8.A131.01TCGA    -0.9926710    0.4038479    0.50909278 -0.68098422  0.46861397
## A0.A12B.01TCGA     3.1758918    -1.1780937   -1.73515991  0.06906958  0.02749747
## BH.A18Q.02TCGA     1.0551038    -0.7915470   -1.08594060  0.18864989 -0.08567142
## C8.A130.02TCGA    -2.5669367    -0.9565211   -0.80564712  0.21439209 -0.25790902
## C8.A138.03TCGA     1.7557102     0.2855403    0.02222628  0.58542572 -0.10577359
## NP_932064 NP_109590 NP_068656 NP_001112 NP_058432
## A0.A12D.01TCGA    0.50180267 -0.3096843 -0.1344336  0.04843669 -0.1001454
## C8.A131.01TCGA   -0.07784996 -0.2842919  2.3873095  0.75196563  0.6750559
## A0.A12B.01TCGA    0.54853456  0.6732509 -2.7384335 -0.34388002 -0.2967650
## BH.A18Q.02TCGA   -0.89190845 -0.5071895 -0.9387438  0.66369411  0.6636941
## C8.A130.02TCGA   -0.92372240  0.2898291  0.7391711  0.81788797  0.9294035
## C8.A138.03TCGA    1.07913950  1.1559394 -3.2984561  1.40096775  1.5545676
## NP_005751 NP_037373 NP_000174 NP_000479 NP_001129101
## A0.A12D.01TCGA   -0.33254313  2.78006197 -0.30968434 -1.5707275  0.10177386
## C8.A131.01TCGA   -0.49882958  3.69882295 -0.74170243 -1.1262511  1.28223803
## A0.A12B.01TCGA   -1.83770444 -1.29449557  1.98692950 -1.9153057  -0.58776973
## BH.A18Q.02TCGA   -0.02210917 -0.33992045  0.43620815  0.1953407  0.28901134
## C8.A130.02TCGA    1.08355734 -0.36942456 -0.06767663  0.2209518  0.40790436
## C8.A138.03TCGA   -1.26874384 -0.09114503 -0.06920219 -2.0221145  0.08439765
## NP_115518 NP_848537 NP_060141 NP_002970 NP_060952
## A0.A12D.01TCGA   -0.1001454  0.4560851  0.4675145 -0.2601570  0.98564703
## C8.A131.01TCGA    0.2014538  2.3873095  1.0677003  2.5694642  2.06752693
## A0.A12B.01TCGA   -0.2856791 -1.9125342 -2.6552892 -0.2856791 -0.95914723
## BH.A18Q.02TCGA   -0.8684908  1.8211962  0.8142363 -1.3000450 -0.05890837
## C8.A130.02TCGA   -0.3202265 -0.9171627  0.1422350 -0.3825440  0.23735118
## C8.A138.03TCGA    0.4610830 -0.2776591  1.1083966  0.5122829  0.59639713
## NP_003878 NP_004175 NP_002881 NP_002944 NP_004577
## A0.A12D.01TCGA   -0.7440013  2.2162118 -0.95354023  1.1266096  0.7494395
## C8.A131.01TCGA   -0.5474041 -1.7253375 -0.10213725  0.6548165  0.6305292
## A0.A12B.01TCGA   -1.0506059 -0.9064892 -0.02516053  0.3850176 -0.2856791
## BH.A18Q.02TCGA   -0.2830490  2.5337626  0.03141694 -0.1592698  1.2089914
## C8.A130.02TCGA    0.2537505 -1.2615489 -1.45834103 -0.1299941  0.2209518
## C8.A138.03TCGA    1.6423389  0.3038260  4.53147888 -0.2630306 -0.5117160
## NP_001006933 NP_055311 NP_031391 NP_006612 NP_001124192
## A0.A12D.01TCGA    1.42377382  0.3265520 -1.4145258  0.37226953 -0.3782607
## C8.A131.01TCGA    0.69934318  0.3228903  1.1648495 -0.72551091 -0.7943249
## A0.A12B.01TCGA   -0.43256719 -0.7817729 -3.7472499  1.17211618  1.5989232
## BH.A18Q.02TCGA    0.61016800  1.7810517  5.1230881 -0.23621361 -0.5004988
## C8.A130.02TCGA    0.01432009  0.3062284 -0.9991594 -0.20215125 -0.4514213
## C8.A138.03TCGA    0.12828332 -0.8701157 -1.0164012  0.03685484  0.1502262
## NP_000678 NP_001124195 NP_001124194 NP_001684 NP_001683
## A0.A12D.01TCGA   -0.28301575 -0.3630215 -0.3477823  0.4979929 -0.6220878
## C8.A131.01TCGA   -0.02522751 -0.7902770 -0.7943249  0.4969491 -1.2395918
## A0.A12B.01TCGA    1.09728639  1.6488097  1.6072376  0.1383564 -0.4824537
## BH.A18Q.02TCGA   -0.37337426 -0.5941695 -0.5707518  0.5967865  1.5134211
## C8.A130.02TCGA   -0.83844581 -0.4547012 -0.4514213 -0.4022233 -0.8778042
## C8.A138.03TCGA   -1.49548647  0.1209690  0.1319405 -0.5848588 -1.4150294
## NP_060137 NP_005348 NP_001547 NP_004386 NP_061862
## A0.A12D.01TCGA    0.56275944 -2.850820 -1.1059322  1.6637911 -0.08490625
## C8.A131.01TCGA   -0.22762155 -3.166383 -0.7417024  1.1000834 -1.23959179
## A0.A12B.01TCGA    0.04966926 -2.749519  1.1056008 -1.6243010  0.01641158
## BH.A18Q.02TCGA   -0.62427790 -0.169306  0.3023929 -2.1731897 -0.18937826
## C8.A130.02TCGA   -0.02831820 -1.468181 -1.2090710 -1.1205145  0.31934790

```

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## C8.A138.03TCGA 0.62199711 -1.722229 -0.6726302 0.8341112 0.72805414
## NP_071401 NP_000293 NP_000604 NP_079199 NP_065147 NP_004514
## A0.A12D.01TCGA 1.0085058 0.4560851 -1.2811829 0.1551110 -0.4582665 -1.1783183
## C8.A131.01TCGA 1.1769931 2.3589744 0.2500284 0.1407356 0.3309860 1.4158181
## A0.A12B.01TCGA 0.4321327 -1.7545602 -1.3111244 -1.3360677 -1.8792766 -1.4524696
## BH.A18Q.02TCGA 0.5332242 -0.1057437 0.4428989 0.1150515 -0.5473341 0.4094451
## C8.A130.02TCGA 0.5882971 0.6309354 1.0671580 1.1721138 2.5463789 1.3033086
## C8.A138.03TCGA 0.1538833 0.2635975 -1.4333151 0.1136548 0.5122829 0.8158255
## NP_998754 NP_976241 NP_061916 NP_056016 NP_001006635
## A0.A12D.01TCGA -0.01252008 -0.1992002 0.4675145 -0.3706411 -0.1611022
## C8.A131.01TCGA 1.05555670 0.9867427 0.8572105 -0.1264245 0.6548165
## A0.A12B.01TCGA -0.85105974 -2.4280284 -1.9984499 -0.7041716 -0.4464246
## BH.A18Q.02TCGA -0.63765943 -0.2161413 0.7306018 -0.2328682 0.2254491
## C8.A130.02TCGA -0.70069132 -0.1595130 -0.4087830 0.4767816 -0.3563051
## C8.A138.03TCGA -0.25571629 -0.4934303 -0.7823443 -1.0602869 -0.1423450
## NP_055674 NP_004388 NP_001258717 NP_001258719 NP_001369
## A0.A12D.01TCGA 2.7914914 0.14749144 0.1246326 0.1474914 0.08272487
## C8.A131.01TCGA 0.6871995 -0.06165844 0.8369711 0.8329233 0.84911477
## A0.A12B.01TCGA -2.6331174 0.21595770 0.2381295 0.2436724 0.21041475
## BH.A18Q.02TCGA -2.0594467 0.48638887 -1.0658683 -1.1260852 -1.24651893
## C8.A130.02TCGA 1.1360352 1.18523328 -0.5826160 -0.5301381 -0.61869460
## C8.A138.03TCGA -0.9761727 -0.32154480 0.6951399 0.6951399 0.69513989
## NP_004402 NP_056104 NP_005766 NP_001018003 NP_065731
## A0.A12D.01TCGA 1.2751917 -0.1763414 0.18939922 0.74562975 -0.1496728
## C8.A131.01TCGA 0.4605182 0.5050449 0.32693813 0.55361947 -0.1304724
## A0.A12B.01TCGA 0.0995558 0.4515330 0.04966926 0.04966926 1.1277726
## BH.A18Q.02TCGA -0.3198482 0.3458828 -0.89525383 -1.29000889 -1.1963382
## C8.A130.02TCGA -0.5793362 -0.4186226 -0.09391558 0.07663760 0.5915770
## C8.A138.03TCGA 1.1193680 1.0279396 0.62931139 0.99868244 -0.1350307
## NP_001075 NP_001141 NP_001226 NP_004710 NP_008977
## A0.A12D.01TCGA -0.87353447 -2.35935575 0.9437393 0.6465750 0.5703790
## C8.A131.01TCGA 1.96632991 2.55732053 3.3749925 -0.4785902 3.3588009
## A0.A12B.01TCGA -0.46305340 -2.90195041 -2.0538794 -0.9785475 -2.3753704
## BH.A18Q.02TCGA -0.18937826 2.34976657 -0.7146032 -1.5542941 -1.3636073
## C8.A130.02TCGA -0.08407597 -1.99295965 0.7588503 1.6837733 0.5226998
## C8.A138.03TCGA -1.36748660 0.01125487 0.5086258 1.5253105 0.9840539
## NP_004630 NP_055111 NP_778228 NP_001193723 NP_002883
## A0.A12D.01TCGA 0.10939346 0.9094511 -0.8163875 -0.62208779 -0.18777080
## C8.A131.01TCGA 0.53742794 -0.8267079 -0.7336067 0.03144283 -1.48246464
## A0.A12B.01TCGA 0.08292695 1.2358601 -0.5766838 0.01086863 -0.68477131
## BH.A18Q.02TCGA -0.10908910 -0.4001373 1.2156821 0.16857760 -0.01207302
## C8.A130.02TCGA 0.58173741 2.0248797 -0.3825440 0.27342973 0.81460810
## C8.A138.03TCGA 1.32782497 0.4939972 1.6240532 0.21239752 1.19251082
## NP_006383 NP_054872 NP_060060 NP_942595 NP_055726
## A0.A12D.01TCGA -0.3744509 0.2389266 2.0219121 -0.27158636 0.3303618
## C8.A131.01TCGA -0.1669033 0.1771665 0.3714648 0.92602451 0.8976893
## A0.A12B.01TCGA -0.7845444 0.6316788 -0.4131669 -0.90648922 0.5762493
## BH.A18Q.02TCGA 0.6068226 -0.1960690 0.3860274 0.14515992 0.1719230
## C8.A130.02TCGA 0.8178880 -0.3563051 0.8047685 -0.34318561 0.5030206
## C8.A138.03TCGA 0.1173119 1.2327393 -0.2228020 0.07708337 -0.2520592
## NP_065908 NP_065761 NP_057332 NP_001124427 NP_001035879
## A0.A12D.01TCGA 0.2122580 -0.2182492 1.54187757 1.0504136 -0.6297074
## C8.A131.01TCGA 0.9138809 -0.4340635 1.73155282 1.3996266 -0.2559567
## A0.A12B.01TCGA -0.2413355 0.9448553 -0.55174057 -0.5655979 0.5346772

```

```

## BH.A18Q.02TCGA -0.1090891 -0.5205711 -0.34326583 -0.2462498 -0.5473341
## C8.A130.02TCGA -0.3333460 0.6801335 0.17503367 0.6243757 0.7063724
## C8.A138.03TCGA 0.8962825 -0.7713729 -0.01068797 -0.1898878 0.2709117
## NP_055844 NP_058519 NP_058518 NP_001116539 NP_001190181
## AO.A12D.01TCGA 0.8865923 -3.026070 -2.938445 -3.094647 -2.725096
## C8.A131.01TCGA 0.4929013 -5.372478 -5.522250 -5.461532 -5.461532
## AO.A12B.01TCGA -1.0755491 2.025730 2.017416 2.050673 2.150446
## BH.A18Q.02TCGA 0.7038387 -7.703106 -8.218295 -8.188186 -7.355186
## C8.A130.02TCGA 0.7490107 1.152435 1.149155 1.158994 1.149155
## C8.A138.03TCGA -0.7933157 -5.284283 -4.907597 -5.309883 -4.636969
## NP_059347 NP_001157852 NP_001032405 NP_001157854 NP_006775
## AO.A12D.01TCGA 0.7418200 1.8390418 0.7189612 1.99143375 0.5132321
## C8.A131.01TCGA -0.2681004 0.1852623 -0.3490580 0.07192163 -0.5554999
## AO.A12B.01TCGA -0.1859060 -0.4464246 -0.2635073 -0.41316687 -1.3610109
## BH.A18Q.02TCGA -0.3165028 -1.6446194 -0.2964305 -1.71821777 0.7172202
## C8.A130.02TCGA 1.1983528 2.7333314 1.2245917 2.51358017 1.1721138
## C8.A138.03TCGA 0.9328539 0.7463398 0.9694253 0.79753979 -0.2447449
## NP_079408 NP_000149 NP_079010 NP_001001924 NP_001001925
## AO.A12D.01TCGA -1.4259552 0.8865923 2.2238314 1.8009438 1.8009438
## C8.A131.01TCGA -1.1707778 0.7883966 0.1569271 -0.5959787 -0.5959787
## AO.A12B.01TCGA 1.0862005 1.3716623 -0.5849983 2.1864756 2.1864756
## BH.A18Q.02TCGA -1.0357599 -0.1492337 -2.0427198 -2.4575472 -2.4575472
## C8.A130.02TCGA -1.3074671 0.3619862 0.1455148 -1.2221905 -1.2221905
## C8.A138.03TCGA -0.1130879 0.1429119 3.1527374 -1.3053152 -1.4040580
## NP_065800 NP_001001931 NP_002874 NP_004448 NP_075266
## AO.A12D.01TCGA 1.1151802 1.3094799 1.0770822 2.7305346 -0.2601570
## C8.A131.01TCGA -0.2316694 -0.8024206 0.3755127 2.8325764 0.4321830
## AO.A12B.01TCGA 2.1365891 2.0146442 0.2824731 -1.4302978 -1.7961323
## BH.A18Q.02TCGA -3.0396436 -2.7720131 0.8276178 -0.7848562 2.3497666
## C8.A130.02TCGA -1.2221905 -1.2254703 0.1684739 -1.4747404 -0.6154147
## C8.A138.03TCGA -1.4040580 -1.4223437 -0.4605161 -0.9469156 -0.6104588
## NP_078880 NP_004715 NP_536858 NP_036450 NP_004127
## AO.A12D.01TCGA 0.2008286 1.4390130 -0.8201973 1.9533358 0.722770962
## C8.A131.01TCGA -0.2964355 0.1609750 0.6710080 0.5576673 -0.519068981
## AO.A12B.01TCGA 0.1716141 -0.9480613 -0.3383371 -0.4769108 0.005325683
## BH.A18Q.02TCGA -0.5640610 -0.2562859 1.5134211 -1.8319608 -0.978888380
## C8.A130.02TCGA 0.4899011 -0.8482854 -0.7466095 -0.2283902 0.607976358
## C8.A138.03TCGA 0.6000543 1.1632537 -0.6543445 -0.1862306 -0.504401755
## NP_000680 NP_000681 NP_000683 NP_000684 NP_003879
## AO.A12D.01TCGA 0.04843669 3.77441929 1.9609554 -1.311661 1.94190638
## C8.A131.01TCGA -1.06553291 -2.83040899 -1.5553265 2.334687 -1.43389007
## AO.A12B.01TCGA -2.63311745 -3.45624519 0.1660712 -2.877007 -2.48068638
## BH.A18Q.02TCGA 0.49642502 0.74063790 -0.2897397 1.583674 1.63720023
## C8.A130.02TCGA -0.37598430 0.35542646 0.6407750 -1.789608 0.37182580
## C8.A138.03TCGA -1.68931484 -0.07285933 0.7243970 -3.163142 -0.02165938
## NP_001193826 NP_001610 NP_005151 NP_056477 NP_005410
## AO.A12D.01TCGA 1.2713819 -0.4392175 -1.4030964 0.05605628 1.5685462
## C8.A131.01TCGA -1.4379380 0.3714648 -0.2761961 0.22978899 -0.8105164
## AO.A12B.01TCGA -1.8099897 -0.9674616 -0.6792284 0.95039827 -0.3743662
## BH.A18Q.02TCGA 1.0216500 0.7105295 0.4930796 -0.83169158 1.9985015
## C8.A130.02TCGA 0.3947849 0.2963888 0.4243037 -0.14311361 -0.1824720
## C8.A138.03TCGA -0.2996020 1.9787957 1.0242824 1.53993904 1.4485106
## NP_006535 NP_061155 NP_001158886 NP_001158887 NP_002291
## AO.A12D.01TCGA 0.2846442 2.6314798 1.2409035 0.86754329 -2.210774

```

```

## C8.A131.01TCGA 0.4038479 2.4196926 0.6912474 0.65076861 3.536908
## A0.A12B.01TCGA 0.3046449 -1.9929070 -0.2856791 -0.25519286 -2.466829
## BH.A18Q.02TCGA -0.7948924 -1.2331374 -0.4135188 -0.02545455 2.393257
## C8.A130.02TCGA 0.3619862 0.5063004 -0.7466095 -0.71709066 1.447623
## C8.A138.03TCGA 1.2290822 1.2729679 0.4537687 0.42816873 -3.016856
## NP_659409 NP_002292 NP_149972 NP_573441 NP_055852
## A0.A12D.01TCGA 1.8276124 2.5819525 -0.14205322 2.681007 0.2160678
## C8.A131.01TCGA 2.6787570 2.7475709 -3.12185642 1.027222 0.6426728
## A0.A12B.01TCGA -0.8621456 -0.6127130 -0.08890443 -1.421983 -0.0279320
## BH.A18Q.02TCGA -0.4335911 -0.8818723 1.26586285 -1.922286 -0.4570088
## C8.A130.02TCGA 0.2275116 0.1258356 -0.82860621 2.044559 0.5095803
## C8.A138.03TCGA -0.1386878 -0.3178877 0.61468283 1.441196 1.1413109
## NP_071415 NP_056456 NP_055529 NP_065939 NP_001009571
## A0.A12D.01TCGA -1.5631079 2.3076470 -0.9916382 0.58180843 0.9513589
## C8.A131.01TCGA -2.5551531 1.2660465 -1.1343469 0.05977799 0.6548165
## A0.A12B.01TCGA 1.7347254 -1.9125342 1.2635748 0.64553615 3.3892953
## BH.A18Q.02TCGA -1.6245471 0.9681239 -0.9052900 -2.77870382 -3.0597159
## C8.A130.02TCGA 0.1192759 0.3357472 -0.5793362 -0.32350640 -2.0815161
## C8.A138.03TCGA -2.6328568 -0.4605161 1.2327393 -0.61411593 -1.3162866
## NP_003707 NP_899631 NP_064590 NP_570971 NP_003306
## A0.A12D.01TCGA 0.6618142 0.6618142 -0.94973043 -0.4811253 -0.48874485
## C8.A131.01TCGA 0.1083526 0.1083526 -1.24363967 -1.5512786 -0.40168043
## A0.A12B.01TCGA 2.4192794 2.4192794 0.72590889 -0.8372024 -0.57945530
## BH.A18Q.02TCGA -0.3131574 -0.3131574 -1.00565144 -2.7218323 -1.41713340
## C8.A130.02TCGA -1.1893918 -1.1893918 -0.07423637 0.3062284 0.06679799
## C8.A138.03TCGA -1.4918293 -1.4918293 1.42291058 3.2734230 -0.46051609
## NP_001138238 NP_067022 NP_982261 NP_004530 NP_115984
## A0.A12D.01TCGA -0.3782607 0.04081709 0.24654619 -0.1458630 -0.02394948
## C8.A131.01TCGA -0.3045313 1.48463208 0.41194363 -0.4664465 0.44837456
## A0.A12B.01TCGA -0.4990826 1.59338021 -0.03070348 0.5291342 -0.15541980
## BH.A18Q.02TCGA -1.4305149 -0.31650277 -0.48711725 0.8276178 -0.81161929
## C8.A130.02TCGA 0.1094363 -1.40914300 0.24063104 0.3751057 -0.09391558
## C8.A138.03TCGA -0.5263446 -0.86280139 0.02588342 -0.7969729 -0.33983049
## NP_001159632 NP_001675 NP_001673 NP_001001331 NP_001001344
## A0.A12D.01TCGA -1.406906 0.8865923 1.4428228 0.6999122 0.7151514
## C8.A131.01TCGA -0.211430 1.2012804 1.5048715 1.4036745 1.3105732
## A0.A12B.01TCGA -0.560055 -0.8815460 -1.1004924 -1.1503789 -1.0090338
## BH.A18Q.02TCGA -1.008997 -0.9320530 -1.4338603 -1.3502258 -2.4006757
## C8.A130.02TCGA -1.382904 -0.8745244 0.2865492 0.1979927 -0.8187666
## C8.A138.03TCGA -1.956286 1.8544530 2.3152525 2.3920525 2.3554811
## NP_056036 NP_003890 NP_004831 NP_001106984 NP_663788
## A0.A12D.01TCGA -1.0030676 0.1284424 0.4865635 0.1017739 0.1017739
## C8.A131.01TCGA 0.3390818 0.2419326 0.7398220 0.1650229 0.1650229
## A0.A12B.01TCGA 0.9836560 0.9171406 -1.8099897 0.8506252 0.8506252
## BH.A18Q.02TCGA -0.7915470 0.2555575 1.0919030 0.3893728 0.3893728
## C8.A130.02TCGA -0.6088550 -0.3202265 -0.3300661 -0.3202265 -0.3202265
## C8.A138.03TCGA 0.4903401 0.7938826 -1.5466864 0.5854257 0.5817686
## NP_071348 NP_079052 NP_056201 NP_060597 NP_006448
## A0.A12D.01TCGA 1.4428228 0.886592283 1.1837565 -0.05061807 1.04660381
## C8.A131.01TCGA -0.1628555 1.310573199 0.6791038 -1.01291045 0.12454409
## A0.A12B.01TCGA -0.4741393 -1.336067673 1.3245472 0.54299162 2.73799892
## BH.A18Q.02TCGA -0.8250008 -0.005382259 -0.6644225 0.36595513 -0.02879993
## C8.A130.02TCGA -0.3792642 0.607976358 -0.5957355 0.35542646 -1.21891060
## C8.A138.03TCGA 1.0864538 1.163253704 0.2928546 -0.69457299 0.31479742

```


| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_001243355 | NP_001011516 | NP_001007232 | NP_055697 | NP_004588 |
| ## | AO.A12D.01TCGA | 0.829445311 | 1.1151802 | 0.3036932 | 0.3151226 | -0.25634717 |
| ## | C8.A131.01TCGA | 0.067873754 | 0.3957521 | 1.5453503 | 1.6344037 | -0.06165844 |
| ## | AO.A12B.01TCGA | 2.693655343 | 3.1315482 | -2.2257108 | -2.2229393 | -0.13601948 |
| ## | BH.A18Q.02TCGA | -0.002036877 | 0.3492282 | 1.6037464 | 1.5636018 | 0.30573825 |
| ## | C8.A130.02TCGA | -1.199231387 | -1.4780202 | -0.3759843 | -0.3431856 | 1.01795997 |
| ## | C8.A138.03TCGA | 0.329425974 | -0.6031445 | -0.1825735 | -0.2081735 | 0.25994033 |
| ## | | NP_001098707 | NP_065174 | NP_116243 | NP_001005337 | NP_000290 |
| ## | AO.A12D.01TCGA | 1.65617151 | 0.62752601 | 1.6523617 | -4.0851943 | -4.0851943 |
| ## | C8.A131.01TCGA | 1.43200963 | -0.16285546 | 1.4482012 | -4.0447733 | -4.0447733 |
| ## | AO.A12B.01TCGA | -3.01003789 | 0.50973393 | -2.8077203 | -4.0382547 | -4.0382547 |
| ## | BH.A18Q.02TCGA | 0.08828843 | -0.02210917 | -0.9186715 | 0.1317784 | 0.1953407 |
| ## | C8.A130.02TCGA | 0.47678160 | 0.44726278 | -0.3136668 | -2.3799842 | -2.3242264 |
| ## | C8.A138.03TCGA | 0.31845456 | 3.88782238 | 0.8779968 | -0.6324016 | -0.6324016 |
| ## | | NP_055635 | NP_005419 | NP_006104 | NP_071757 | NP_001193928 |
| ## | AO.A12D.01TCGA | 0.8599237 | 0.4370361 | 0.5551398 | -0.2144394 | 1.1304194 |
| ## | C8.A131.01TCGA | 0.2257411 | 1.5453503 | -1.0129105 | 0.2783636 | 0.1690708 |
| ## | AO.A12B.01TCGA | -0.2108493 | -1.8543333 | -0.8538312 | -0.3411086 | -1.6603301 |
| ## | BH.A18Q.02TCGA | -0.1960690 | 0.9380154 | -1.5375672 | -0.4335911 | -0.8350370 |
| ## | C8.A130.02TCGA | -0.4350219 | -0.7138108 | 1.2311514 | 1.3754657 | -0.4251823 |
| ## | C8.A138.03TCGA | 0.4537687 | -0.5482874 | 2.6992522 | 0.4281687 | 1.6240532 |
| ## | | NP_001957 | NP_001188306 | NP_001173 | NP_001189333 | NP_115679 |
| ## | AO.A12D.01TCGA | 0.2998834 | 1.28662109 | 1.511399182 | 1.17994674 | -0.3782607 |
| ## | C8.A131.01TCGA | 0.2621720 | -0.81456429 | -0.968383764 | -1.00481469 | -2.0167849 |
| ## | AO.A12B.01TCGA | -1.6797304 | 1.21645977 | 1.299603983 | 1.29406104 | 2.2446766 |
| ## | BH.A18Q.02TCGA | 1.2792444 | 1.28593514 | 1.222372884 | 1.27924438 | -1.4873864 |
| ## | C8.A130.02TCGA | -0.7236504 | -0.04143768 | -0.002079251 | -0.04143768 | -0.4514213 |
| ## | C8.A138.03TCGA | -0.8628014 | -0.53731601 | -0.493430338 | -0.40565900 | -0.5994874 |
| ## | | NP_001539 | NP_001010987 | NP_001008212 | NP_004235 | NP_981961 |
| ## | AO.A12D.01TCGA | -0.4087391 | -0.6716152 | -0.1611022 | -0.1001454 | -0.03156908 |
| ## | C8.A131.01TCGA | -3.5873627 | -3.5387882 | 0.5090928 | 3.9821746 | 3.90931276 |
| ## | AO.A12B.01TCGA | 0.2021003 | -0.9258895 | -1.1725507 | -1.7213025 | -1.74347433 |
| ## | BH.A18Q.02TCGA | 1.0484130 | 2.1724613 | 1.6405456 | 0.6135134 | 0.61351339 |
| ## | C8.A130.02TCGA | 0.4866212 | 0.4505427 | -0.4940596 | -1.4583410 | -1.45834103 |
| ## | C8.A138.03TCGA | -1.0127441 | -0.4276018 | -0.5446303 | -1.5978864 | -1.59788637 |
| ## | | NP_115754 | NP_001123528 | NP_001182132 | NP_001950 | NP_009017 |
| ## | AO.A12D.01TCGA | 1.6714107 | 1.4656816 | 1.57235595 | 0.4751341 | -0.7516209 |
| ## | C8.A131.01TCGA | 1.8246541 | 1.6910740 | 1.75584010 | 1.1931847 | 1.4239139 |
| ## | AO.A12B.01TCGA | -0.2662788 | -0.2662788 | -0.43256719 | 0.4432186 | -1.9236201 |
| ## | BH.A18Q.02TCGA | -0.6075510 | -0.8216554 | -0.73467550 | -0.6376594 | -0.1860329 |
| ## | C8.A130.02TCGA | 0.4046245 | 0.2832693 | 0.45382252 | 0.3160680 | 1.1688339 |
| ## | C8.A138.03TCGA | -0.1423450 | -0.1204021 | -0.03994508 | -0.4166304 | 0.1758261 |
| ## | | NP_065737 | NP_055121 | NP_001128471 | NP_060362 | NP_001026868 |
| ## | AO.A12D.01TCGA | -3.8642260 | -0.519223240 | 1.0199352 | -0.16872181 | -0.1687218 |
| ## | C8.A131.01TCGA | -2.6927810 | 0.003107659 | 1.1608016 | 0.01120342 | -0.3773931 |
| ## | AO.A12B.01TCGA | 3.6553568 | 0.540220141 | -1.6437013 | -0.27182170 | -0.2939935 |
| ## | BH.A18Q.02TCGA | -3.0463344 | 0.044798469 | 0.1284330 | -0.58747870 | 0.5499511 |
| ## | C8.A130.02TCGA | -3.5968155 | 0.739171113 | 0.2537505 | 0.90316456 | 0.2209518 |
| ## | C8.A138.03TCGA | 0.4135402 | 0.018569145 | 0.8304540 | 0.01856914 | 0.7024542 |
| ## | | NP_006611 | NP_001138679 | NP_783328 | NP_008823 | NP_001193984 |
| ## | AO.A12D.01TCGA | 0.4141773 | -0.14205322 | 0.8103963 | NA | NA |
| ## | C8.A131.01TCGA | 0.1690708 | 0.11644833 | 0.5374279 | NA | NA |
| ## | AO.A12B.01TCGA | 0.5180484 | 0.06352663 | -1.6437013 | NA | NA |
| ## | BH.A18Q.02TCGA | 0.1016700 | 0.15519607 | -0.1693060 | -4.608628 | -4.608628 |

| | | | | | | |
|----|----------------|--------------|-------------|--------------|--------------|--------------|
| ## | C8.A130.02TCGA | 2.6775736 | 2.85140666 | 2.4775016 | 1.670654 | 1.670654 |
| ## | C8.A138.03TCGA | -0.6397159 | -0.42760183 | -0.5190303 | 1.967824 | 1.967824 |
| ## | | NP_060592 | NP_277021 | NP_277028 | NP_076916 | NP_004438 |
| ## | A0.A12D.01TCGA | -0.03537887 | -0.2792060 | -0.27920596 | -0.16110221 | -0.9459206 |
| ## | C8.A131.01TCGA | -1.27602271 | -0.2397652 | -0.23976520 | -0.16285546 | -0.8024206 |
| ## | A0.A12B.01TCGA | 1.93981445 | -0.4020810 | -0.40208098 | -0.40762392 | -0.3078509 |
| ## | BH.A18Q.02TCGA | 0.09497920 | -0.1726514 | -0.01207302 | -0.03214531 | 0.8376540 |
| ## | C8.A130.02TCGA | 0.46366213 | 0.4013446 | 0.40134462 | 0.25703039 | -0.8220465 |
| ## | C8.A138.03TCGA | 1.11205376 | -0.5958302 | -0.62874449 | -0.76771577 | 0.5269115 |
| ## | | NP_060641 | NP_114098 | NP_001019837 | NP_001076 | NP_061917 |
| ## | A0.A12D.01TCGA | 0.6808632 | -0.2792060 | -0.2258688 | -1.24689469 | 0.18558942 |
| ## | C8.A131.01TCGA | 0.2621720 | 0.8734021 | 0.8734021 | -1.00481469 | 0.78030080 |
| ## | A0.A12B.01TCGA | -0.2718217 | -1.6409298 | -1.6409298 | -0.58222678 | -0.11107622 |
| ## | BH.A18Q.02TCGA | -0.1224706 | 1.7777063 | 1.7777063 | 0.04814385 | -0.03883608 |
| ## | C8.A130.02TCGA | -0.9466815 | -0.5793362 | -0.5793362 | -0.32022653 | -0.23167007 |
| ## | C8.A138.03TCGA | 0.4647401 | -0.7494301 | -0.7128587 | -2.28177139 | -0.03263080 |
| ## | | NP_009223 | NP_004026 | NP_004028 | NP_001020561 | NP_000027 |
| ## | A0.A12D.01TCGA | -1.4564336 | -1.4602434 | 1.7361773 | 0.9780274 | 1.0961312 |
| ## | C8.A131.01TCGA | 0.8491148 | 0.8491148 | 1.3227168 | 1.9015638 | 2.5370811 |
| ## | A0.A12B.01TCGA | -0.5572835 | -0.5711409 | -1.2058084 | -2.1702813 | -2.5860024 |
| ## | BH.A18Q.02TCGA | -2.9660452 | -2.7987761 | 0.3023929 | 1.6137826 | 0.9580877 |
| ## | C8.A130.02TCGA | -1.6616929 | -1.5928157 | 0.4603823 | -0.6449335 | 0.3357472 |
| ## | C8.A138.03TCGA | 2.1323956 | 2.0336528 | 0.4098830 | -0.2666877 | -0.4129733 |
| ## | | NP_115941 | NP_733793 | NP_006763 | NP_006282 | NP_001123577 |
| ## | A0.A12D.01TCGA | 0.53228105 | 0.4141773 | 0.1246326 | -1.5669177 | 0.53990065 |
| ## | C8.A131.01TCGA | 0.44027880 | 0.7641093 | 0.9867427 | -0.5797872 | -0.03332327 |
| ## | A0.A12B.01TCGA | -0.08890443 | -0.5351117 | -1.9236201 | -0.5295688 | 0.66493647 |
| ## | BH.A18Q.02TCGA | 1.02834074 | 0.8276178 | -0.3432658 | -0.4770811 | -0.39344655 |
| ## | C8.A130.02TCGA | 1.04747879 | 0.3291875 | -0.6580530 | -1.7043312 | -0.59245565 |
| ## | C8.A138.03TCGA | 0.57079716 | 0.8121683 | 1.1157109 | -0.2081735 | -0.04725936 |
| ## | | NP_112729 | NP_150229 | NP_003184 | NP_057308 | NP_065070 |
| ## | A0.A12D.01TCGA | 0.53990065 | 0.9894568 | -0.7097131 | -0.4849351 | 0.5741888 |
| ## | C8.A131.01TCGA | -0.03332327 | 2.3184956 | -0.4462071 | -0.9076656 | 0.5698110 |
| ## | A0.A12B.01TCGA | 0.66493647 | -0.8316594 | 0.1328135 | 0.5651634 | -1.3970401 |
| ## | BH.A18Q.02TCGA | -0.38341041 | -5.3078125 | 0.3258105 | -0.2027598 | -1.9657760 |
| ## | C8.A130.02TCGA | -0.58917578 | -2.8162067 | 0.1979927 | 0.5784575 | -1.3697846 |
| ## | C8.A138.03TCGA | -0.04725936 | -2.7315995 | -0.4093161 | 0.1209690 | 2.9589090 |
| ## | | NP_001035847 | NP_112604 | NP_004491 | NP_001139653 | NP_001130033 |
| ## | A0.A12D.01TCGA | 0.1893992 | -0.5992290 | -0.5992290 | -0.6297074 | -0.62970739 |
| ## | C8.A131.01TCGA | 0.8207796 | -1.1545863 | -1.1019638 | -1.1505384 | -1.15053841 |
| ## | A0.A12B.01TCGA | -0.1083047 | 0.2852445 | 0.2852445 | 0.3822461 | 0.38224613 |
| ## | BH.A18Q.02TCGA | -0.9119807 | -0.6075510 | -0.4938080 | 0.1150515 | 0.07490691 |
| ## | C8.A130.02TCGA | 0.3488667 | 1.8313674 | 1.6837733 | 1.5165000 | 1.51650003 |
| ## | C8.A138.03TCGA | 0.4501116 | -0.7786872 | -0.7092015 | -1.0200584 | -1.00177268 |
| ## | | NP_115971 | NP_004496 | NP_003265 | NP_002622 | NP_001191676 |
| ## | A0.A12D.01TCGA | -0.52684284 | 6.2164999 | 1.4275836 | 0.86373349 | -0.3706411 |
| ## | C8.A131.01TCGA | 0.28645932 | 4.0347971 | 0.5090928 | 1.41986598 | 1.3510520 |
| ## | A0.A12B.01TCGA | -1.84879034 | -3.9301672 | 0.3046449 | 0.02195453 | -1.6880449 |
| ## | BH.A18Q.02TCGA | -0.44362728 | -0.5506795 | 0.7841279 | -0.58413332 | 0.3893728 |
| ## | C8.A130.02TCGA | -1.11723467 | -0.4087830 | -0.6908517 | 0.01432009 | 1.4181040 |
| ## | C8.A138.03TCGA | 0.06976909 | 0.9145682 | -0.1423450 | -0.35811619 | -0.5373160 |
| ## | | NP_078932 | NP_061185 | NP_003886 | NP_001158213 | NP_055555 |
| ## | A0.A12D.01TCGA | 0.5056125 | -0.54589183 | 0.4103675 | 0.5056125 | -0.008710286 |
| ## | C8.A131.01TCGA | 2.5249375 | -0.86313886 | 0.8410190 | 3.1402154 | -0.535260504 |

```

## A0.A12B.01TCGA -1.5577856 -0.94806133 0.8533967 -1.0034908 -0.759601107
## BH.A18Q.02TCGA 0.4328628 0.04145309 0.5967865 0.8844893 0.513151930
## C8.A130.02TCGA 0.5325394 0.85724639 -1.1467535 -0.3497454 1.044198918
## C8.A138.03TCGA -0.4166304 -1.01640124 -0.1350307 -0.8884014 -0.734801523
## NP_001407 NP_001958 NP_000509 NP_000510 NP_000550 NP_000175
## A0.A12D.01TCGA 0.9589784 0.38750872 -4.4242664 -4.6757130 -6.306307 -6.306307
## C8.A131.01TCGA 1.4036745 0.11644833 3.4357107 3.9416958 2.690901 2.601847
## A0.A12B.01TCGA -0.5129399 0.01086863 -0.7374293 -0.8538312 -2.189682 -2.175824
## BH.A18Q.02TCGA -0.2161413 0.77074633 -4.0131497 -4.1235473 -2.467583 -2.273551
## C8.A130.02TCGA 0.8474068 1.10323656 -5.1088351 -5.3548252 -6.138714 -5.348266
## C8.A138.03TCGA -0.2374306 -1.51011503 -4.5674834 -4.6662261 -7.511480 -7.427366
## NP_005321 NP_597709 NP_001087240 NP_877419 NP_001248375
## A0.A12D.01TCGA -6.466318 -0.02394948 -0.7440013 -0.7706699 -0.7059034
## C8.A131.01TCGA 6.147791 -0.18714274 -1.0776765 -1.0776765 -1.1505384
## A0.A12B.01TCGA -1.189180 0.32127371 -1.1780937 -1.0034908 -1.2667808
## BH.A18Q.02TCGA -3.260439 -0.02879993 0.7339471 0.6603487 0.5633327
## C8.A130.02TCGA -6.286308 0.68669321 -0.7761283 -0.7334900 -0.8909237
## C8.A138.03TCGA -6.385082 -1.56131497 1.9641672 1.8398245 2.0775385
## NP_006431 NP_078878 NP_057280 NP_001354 NP_057216
## A0.A12D.01TCGA -0.20300999 -0.17253161 0.1093935 -0.1039552 -3.2927563
## C8.A131.01TCGA 0.08811316 0.20550171 0.4848055 -1.0371977 -1.3974591
## A0.A12B.01TCGA 2.30564900 1.31068988 -0.7817729 -1.7379314 0.9753415
## BH.A18Q.02TCGA 0.03141694 0.01134465 -0.1994144 0.3994089 -0.1927236
## C8.A130.02TCGA -0.43174207 -0.01519873 1.6772136 1.3098683 0.4997407
## C8.A138.03TCGA 1.45582484 0.70976845 -0.6068017 -0.5885160 -6.0157105
## NP_002705 NP_001018079 NP_001018077 NP_005913 NP_006517
## A0.A12D.01TCGA 0.5741888 0.98564703 1.01612542 -0.18015120 0.8904021
## C8.A131.01TCGA -0.6081224 -0.21143003 -0.21143003 0.51718854 0.6831517
## A0.A12B.01TCGA -0.3993095 -0.40208098 -0.40762392 -0.29122202 -0.1859060
## BH.A18Q.02TCGA -0.8450731 -1.65800090 -1.76170774 -0.05890837 -1.7048362
## C8.A130.02TCGA 0.5456589 1.22787157 1.22787157 -0.13327401 -0.1857519
## C8.A138.03TCGA 1.0498824 0.02588342 0.02588342 1.36439636 1.6569675
## NP_055465 NP_065704 NP_872321 NP_067092 NP_660281
## A0.A12D.01TCGA 0.06748568 NA 2.4371801 1.1989957 NA
## C8.A131.01TCGA 3.17259843 NA -1.0695808 0.8167317 NA
## A0.A12B.01TCGA -2.07327972 NA -0.4187098 0.2963304 NA
## BH.A18Q.02TCGA -0.80158314 -5.488463 -3.7287923 -3.0730974 -5.7962383
## C8.A130.02TCGA 0.27670960 1.870726 0.9294035 -0.4383018 2.5529386
## C8.A138.03TCGA 2.42862386 3.920737 0.2782260 0.8597112 0.9255397
## NP_001254645 XP_003960003 NP_258429 NP_001230967 NP_057615
## A0.A12D.01TCGA 2.90578531 1.2599525 NA NA NA
## C8.A131.01TCGA 0.64267285 -2.4337167 NA NA NA
## A0.A12B.01TCGA 0.09124137 -3.8830522 NA NA NA
## BH.A18Q.02TCGA -7.30500548 -7.5023830 -3.7287923 -4.7457884 -0.27970357
## C8.A130.02TCGA 1.40826436 -0.2185506 1.4312234 0.7358912 0.47678160
## C8.A138.03TCGA 0.27822603 0.7573113 -0.5738874 1.8617673 0.03685484
## NP_612376 NP_001073886 NP_009069 NP_150376 NP_001070143
## A0.A12D.01TCGA -3.7918399 0.46370469 NA -0.69828375 0.03319749
## C8.A131.01TCGA -0.2559567 -0.07380208 NA -0.59193084 -3.36068139
## A0.A12B.01TCGA -3.8747377 -0.23024960 NA -1.69913075 -1.90699129
## BH.A18Q.02TCGA -7.3050055 -0.80158314 -1.102668 -0.78820161 -7.30500548
## C8.A130.02TCGA 1.4082644 0.23079144 1.431223 0.09303695 1.40826436
## C8.A138.03TCGA 0.4354830 1.88736726 -0.851830 -0.71285869 1.86176728
## NP_612203 NP_001025168 NP_001034216 NP_065127 NP_001721

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| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|---------------------|
| ## | A0.A12D.01TCGA | NA | NA | 3.8696642 | NA | 1.0732724 |
| ## | C8.A131.01TCGA | NA | NA | -0.5716914 | NA | 0.9138809 |
| ## | A0.A12B.01TCGA | NA | NA | -1.1143498 | NA | -2.6109457 |
| ## | BH.A18Q.02TCGA | -7.305005 | -2.427438726 | -1.1026675 | -1.1026675 | -12.5171104 |
| ## | C8.A130.02TCGA | 1.408264 | -1.635453946 | 1.4312234 | 1.4312234 | 2.0248797 |
| ## | C8.A138.03TCGA | 1.861767 | 0.007597728 | -0.7128587 | -0.7128587 | 1.3643964 |
| ## | | NP_004226 | NP_005603 | XP_001715117 | XP_003960812 | NP_001243100 |
| ## | A0.A12D.01TCGA | 2.6657680 | NA | NA | NA | NA |
| ## | C8.A131.01TCGA | 1.1891368 | NA | NA | NA | NA |
| ## | A0.A12B.01TCGA | -2.1093089 | NA | NA | NA | NA |
| ## | BH.A18Q.02TCGA | -14.8588777 | -2.8623384 | NA | -6.3682986 | -7.305005 |
| ## | C8.A130.02TCGA | 0.5784575 | 0.8966048 | NA | 0.8244477 | 1.408264 |
| ## | C8.A138.03TCGA | 1.3643964 | 2.5054238 | NA | 1.2802822 | -4.026227 |
| ## | | NP_009180 | NP_699194 | NP_003700 | NP_060913 | NP_067039 NP_067678 |
| ## | A0.A12D.01TCGA | NA | NA | 2.574333 | NA | NA NA |
| ## | C8.A131.01TCGA | NA | NA | 2.095862 | NA | NA NA |
| ## | A0.A12B.01TCGA | NA | NA | -4.101999 | NA | NA NA |
| ## | BH.A18Q.02TCGA | -10.1753431 | -3.7287923 | -12.517110 | -4.090094 | -9.3992145 NA |
| ## | C8.A130.02TCGA | 0.5784575 | 1.4312234 | 2.024880 | -1.635454 | 0.3455868 NA |
| ## | C8.A138.03TCGA | 0.7170827 | -0.5738874 | 1.364396 | NA | 0.3221117 3.222223 |
| ## | | NP_003421 | NP_057354 | NP_001291 | NP_872439 | NP_116225 NP_872296 |
| ## | A0.A12D.01TCGA | -1.1021224 | 0.3303618 | 2.5743329 | NA | NA NA |
| ## | C8.A131.01TCGA | -0.6445533 | 1.5048715 | 2.0958621 | NA | NA NA |
| ## | A0.A12B.01TCGA | 1.2746607 | -2.3116265 | -4.1019986 | NA | NA NA |
| ## | BH.A18Q.02TCGA | -3.7287923 | -7.5692906 | -14.8588777 | -5.6390053 | -2.373913 -8.224985 |
| ## | C8.A130.02TCGA | -0.5990154 | 0.1881531 | 0.5784575 | 2.4512627 | 1.900245 2.726772 |
| ## | C8.A138.03TCGA | 1.8617673 | 0.7170827 | 1.3643964 | -0.7128587 | 2.377424 -1.528401 |
| ## | | NP_078947 | NP_940882 | NP_001201835 | NP_001001520 | NP_116020 |
| ## | A0.A12D.01TCGA | 0.69229258 | NA | NA | -0.9383010 | -0.9383010 |
| ## | C8.A131.01TCGA | 0.44027880 | NA | NA | -0.1871427 | -0.1871427 |
| ## | A0.A12B.01TCGA | -0.05287527 | NA | NA | 0.1882430 | 0.2242721 |
| ## | BH.A18Q.02TCGA | -1.07924984 | -3.0028444 | -8.131315 | -2.2802419 | -2.2802419 |
| ## | C8.A130.02TCGA | 0.48006147 | 0.8014886 | 0.316068 | 1.2245917 | 1.2245917 |
| ## | C8.A138.03TCGA | 3.22222305 | -2.5889711 | 3.547708 | 0.3221117 | 0.3477117 |
| ## | | NP_150091 | NP_004485 | NP_001119523 | NP_066967 | NP_057157 |
| ## | A0.A12D.01TCGA | -0.72876214 | -0.3287333 | -0.5039840 | -0.72876214 | -2.9917822 |
| ## | C8.A131.01TCGA | -1.50675193 | 0.5617152 | 0.4321830 | -1.13434688 | -3.0004200 |
| ## | A0.A12B.01TCGA | -0.18313454 | 0.4376756 | 0.6150499 | -0.08613295 | 0.2464439 |
| ## | BH.A18Q.02TCGA | 2.24940512 | 1.4030235 | 1.1420837 | 1.30935281 | 2.0687545 |
| ## | C8.A130.02TCGA | -0.67773224 | 0.6374952 | 0.5292595 | -0.51373879 | -0.8745244 |
| ## | C8.A138.03TCGA | 0.02954056 | -0.9542299 | -0.8810871 | 0.12462618 | 1.0498824 |
| ## | | NP_001035026 | NP_872346 | NP_060537 | NP_000932 | NP_065779 |
| ## | A0.A12D.01TCGA | 0.2998834 | -0.17634141 | 1.80856344 | 6.7613011 | 1.1570880 |
| ## | C8.A131.01TCGA | 0.2257411 | 0.20145383 | 0.80458808 | 1.5939249 | 0.3390818 |
| ## | A0.A12B.01TCGA | 0.4709333 | -0.02238906 | -1.75178875 | -1.4635555 | -1.2723238 |
| ## | BH.A18Q.02TCGA | -0.3165028 | -0.43024576 | 0.03141694 | -1.9289768 | 0.4562804 |
| ## | C8.A130.02TCGA | 1.0245197 | 0.55877833 | 1.10323656 | -0.7859679 | -0.5694966 |
| ## | C8.A138.03TCGA | 0.4354830 | -0.53000173 | 0.54519719 | 1.0425681 | 0.8816540 |
| ## | | NP_443066 | NP_115612 | NP_001027005 | NP_000284 | NP_056093 |
| ## | A0.A12D.01TCGA | 0.2046384 | -0.4468371 | 1.72855768 | 1.72855768 | 1.1761369 |
| ## | C8.A131.01TCGA | 0.7317262 | -1.6362841 | 0.09620892 | 0.05977799 | 1.2700944 |
| ## | A0.A12B.01TCGA | 0.1411279 | -0.8954033 | -0.31062234 | -0.18313454 | -1.9236201 |
| ## | BH.A18Q.02TCGA | 0.2522121 | 1.0350315 | -0.54398874 | -0.47039034 | 0.5031158 |
| ## | C8.A130.02TCGA | -0.2087110 | 0.3357472 | -0.75644909 | -0.63509394 | 1.4049845 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A138.03TCGA | 0.4464544 | -0.1972021 | 0.35868309 | 0.41354018 | -0.1533164 |
| ## | | NP_001243299 | NP_891988 | NP_000926 | NP_075447 | NP_001035889 |
| ## | A0.A12D.01TCGA | -0.1306238 | 2.4524193 | 2.1895433 | -1.79550563 | -1.6888313 |
| ## | C8.A131.01TCGA | 0.3836085 | 2.6909006 | 2.5492248 | -0.94814436 | -0.1911906 |
| ## | A0.A12B.01TCGA | -2.1397951 | -1.8016753 | -1.7850464 | 0.31573076 | -0.6043986 |
| ## | BH.A18Q.02TCGA | 1.3160436 | 0.2488668 | 0.3157744 | 0.08828843 | -1.1528482 |
| ## | C8.A130.02TCGA | 0.1422350 | -0.1824720 | -0.2021513 | -0.56949657 | 1.3853053 |
| ## | C8.A138.03TCGA | -0.5153732 | -0.5336589 | -0.5373160 | -0.46783036 | -0.5409731 |
| ## | | NP_071900 | NP_060248 | NP_004706 | NP_000246 | NP_000359 |
| ## | A0.A12D.01TCGA | -0.19920019 | -1.2621339 | 0.39131852 | 1.3971052 | 0.05605628 |
| ## | C8.A131.01TCGA | -0.34096222 | -0.9683838 | 0.88149782 | -0.9036177 | 0.12454409 |
| ## | A0.A12B.01TCGA | -0.36050887 | 0.3489884 | -0.44365309 | 1.8400414 | 0.45707592 |
| ## | BH.A18Q.02TCGA | 0.20537680 | 0.2187583 | -0.01207302 | -0.1425429 | -0.90528998 |
| ## | C8.A130.02TCGA | -0.01191886 | -0.6318141 | -0.09391558 | -0.1070351 | -0.04471755 |
| ## | C8.A138.03TCGA | 0.96576819 | -0.3910304 | 0.25994033 | 0.1611976 | 0.65491136 |
| ## | | NP_006386 | NP_004159 | NP_005624 | NP_008870 | NP_006801 |
| ## | A0.A12D.01TCGA | 1.6485519 | 0.5513300 | 0.3341715 | 0.1246326 | 1.8238026 |
| ## | C8.A131.01TCGA | 1.1446101 | 0.3957521 | 0.9745991 | 1.2700944 | 1.9379947 |
| ## | A0.A12B.01TCGA | -0.3106223 | 2.6437688 | -0.7457437 | -0.4713678 | -0.2108493 |
| ## | BH.A18Q.02TCGA | 0.5700234 | -0.2730128 | 0.7774371 | 0.2823206 | 1.0919030 |
| ## | C8.A130.02TCGA | -0.9565211 | -0.6842920 | 0.1291155 | -0.3300661 | 0.4308634 |
| ## | C8.A138.03TCGA | 0.9694253 | -0.7750301 | 0.7682827 | 0.5963971 | 0.6987970 |
| ## | | NP_065796 | NP_004689 | NP_004704 | NP_079229 | NP_054768 |
| ## | A0.A12D.01TCGA | 1.08470179 | 0.41417731 | 0.1017739 | 0.5399006 | 0.5399006 |
| ## | C8.A131.01TCGA | -0.25595672 | -0.02927539 | 0.6507686 | -0.4947817 | -1.0371977 |
| ## | A0.A12B.01TCGA | 2.23636215 | -0.22193518 | -1.0062623 | -0.9369754 | 0.7647095 |
| ## | BH.A18Q.02TCGA | 0.77074633 | 0.52318807 | -1.2665912 | 0.2655937 | 1.4632404 |
| ## | C8.A130.02TCGA | 0.06679799 | -0.02175846 | 1.0277996 | 0.9950009 | 1.0114002 |
| ## | C8.A138.03TCGA | 0.20874038 | -0.50805889 | 0.9950253 | 0.1502262 | 0.1026833 |
| ## | | NP_003168 | NP_001128524 | NP_060365 | NP_000057 | NP_775267 |
| ## | A0.A12D.01TCGA | 0.5970476 | 0.6694338 | -0.75924052 | 1.76284586 | -0.8735345 |
| ## | C8.A131.01TCGA | 1.5048715 | 1.5048715 | -0.61621812 | 0.92197663 | 0.9665033 |
| ## | A0.A12B.01TCGA | -1.6631016 | -1.6631016 | -1.23629461 | -1.93193456 | 0.1577567 |
| ## | BH.A18Q.02TCGA | 0.7774371 | 0.7740917 | -0.01876379 | -0.07563528 | 0.6871118 |
| ## | C8.A130.02TCGA | -0.4186226 | -0.3989434 | 1.09667682 | 0.55549846 | -0.8581250 |
| ## | C8.A138.03TCGA | -1.2833724 | -1.2138868 | 0.01125487 | -2.39148556 | 0.4537687 |
| ## | | NP_775266 | NP_057018 | NP_061161 | NP_005795 | NP_647537 |
| ## | A0.A12D.01TCGA | -0.8963933 | -0.15348262 | 0.10939346 | 0.39893812 | -0.3668313 |
| ## | C8.A131.01TCGA | 0.9584076 | -0.16690334 | -0.57573931 | -0.56359567 | 0.4807576 |
| ## | A0.A12B.01TCGA | 0.1937859 | -0.22747812 | 2.58002491 | -0.65151362 | -1.7407029 |
| ## | BH.A18Q.02TCGA | 0.6871118 | 0.20537680 | -1.22979202 | 0.01803541 | -0.6711132 |
| ## | C8.A130.02TCGA | -0.8581250 | 0.50302055 | -1.80600713 | 1.54929872 | -0.4711005 |
| ## | C8.A138.03TCGA | 0.4537687 | 0.06245481 | -0.06188792 | -0.68360157 | -0.5848588 |
| ## | | NP_067013 | NP_001231827 | NP_001157260 | NP_001157262 | NP_038477 |
| ## | A0.A12D.01TCGA | -0.80114830 | 0.79896692 | 0.79896692 | 0.7722983 | 0.3151226 |
| ## | C8.A131.01TCGA | -0.39763255 | 0.23383687 | 0.23383687 | 0.2824114 | -0.3612016 |
| ## | A0.A12B.01TCGA | -0.84551680 | -0.52956877 | -0.52956877 | -0.5655979 | -0.1831345 |
| ## | BH.A18Q.02TCGA | 0.04814385 | 0.23548523 | 0.02807156 | 0.2689391 | 0.4696620 |
| ## | C8.A130.02TCGA | 3.42210385 | 0.04711878 | 0.04711878 | 0.1061564 | -0.6219745 |
| ## | C8.A138.03TCGA | -0.22645918 | -0.24474488 | -0.22645918 | -0.2630306 | 0.8085112 |
| ## | | NP_056157 | NP_001265855 | NP_001265856 | NP_060460 | NP_001138783 |
| ## | A0.A12D.01TCGA | -0.1763414 | -0.1763414 | -0.1230042 | 0.5932378 | -8.5921856 |
| ## | C8.A131.01TCGA | -0.4016804 | -0.4016804 | -0.4016804 | 0.4969491 | -7.3599878 |
| ## | A0.A12B.01TCGA | 0.4099609 | 0.4099609 | 0.4099609 | 0.4293612 | -3.9412531 |

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|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | BH.A18Q.02TCGA | 0.4696620 | 0.4863889 | 0.3960636 | 2.7545578 | -0.1592698 |
| ## | C8.A130.02TCGA | -0.1201545 | -0.1201545 | -0.1398337 | -0.1431136 | -1.9831200 |
| ## | C8.A138.03TCGA | -0.2520592 | -0.3178877 | -0.3690876 | -0.8920585 | -1.7076005 |
| ## | | NP_001072992 | NP_004851 | NP_001172011 | NP_002015 | NP_036473 |
| ## | A0.A12D.01TCGA | -1.0716440 | -0.07347685 | 0.1398718 | 0.1589208 | -1.140220 |
| ## | C8.A131.01TCGA | -0.4907338 | -0.24786096 | -0.6162181 | -0.6162181 | 1.792271 |
| ## | A0.A12B.01TCGA | -0.2219352 | 0.99474186 | -1.3305247 | -1.3859542 | -2.308855 |
| ## | BH.A18Q.02TCGA | -0.9353984 | -0.90194460 | 0.6837664 | 0.4027543 | -1.490732 |
| ## | C8.A130.02TCGA | 1.5001007 | 1.47386174 | 0.6998127 | 0.8047685 | 1.162274 |
| ## | C8.A138.03TCGA | -2.8303423 | -0.01434511 | -0.1825735 | -0.4093161 | -2.219600 |
| ## | | NP_001001329 | NP_001158136 | NP_055998 | NP_055927 | NP_055790 |
| ## | A0.A12D.01TCGA | 0.8675433 | -0.3134941 | -0.1611022 | -0.7973385 | -0.7668601 |
| ## | C8.A131.01TCGA | 0.2864593 | 0.1488314 | 0.1488314 | -0.1345203 | 0.1447835 |
| ## | A0.A12B.01TCGA | 1.1222297 | 2.1698468 | 1.2774322 | -0.5046255 | -1.0173482 |
| ## | BH.A18Q.02TCGA | -0.3198482 | -0.7982378 | -0.7982378 | 0.3759913 | 0.8409994 |
| ## | C8.A130.02TCGA | 1.1491547 | -0.1627928 | -0.1627928 | 0.6178160 | 0.8080484 |
| ## | C8.A138.03TCGA | -0.1350307 | 0.1282833 | -0.0326308 | 0.1904547 | -0.4129733 |
| ## | | NP_079093 | NP_112196 | NP_001121631 | NP_060759 | NP_001020119 |
| ## | A0.A12D.01TCGA | -2.5993730 | 0.2313070 | 0.37607933 | 0.37607933 | 0.6313358 |
| ## | C8.A131.01TCGA | -2.6320628 | -0.6121702 | 0.52123642 | 0.52528430 | -0.8833783 |
| ## | A0.A12B.01TCGA | -0.0916759 | 0.1882430 | 0.40996087 | 0.37393171 | -0.6764569 |
| ## | BH.A18Q.02TCGA | -2.3304227 | -0.6410048 | -0.10574371 | -0.08567142 | -1.6446194 |
| ## | C8.A130.02TCGA | -1.5600170 | 1.8576064 | 0.09303695 | 0.01104023 | 1.1622742 |
| ## | C8.A138.03TCGA | -3.6824557 | -0.4093161 | -0.04725936 | -0.04725936 | -1.0054298 |
| ## | | NP_062826 | NP_078772 | NP_892017 | NP_001070865 | NP_001186210 |
| ## | A0.A12D.01TCGA | -0.22967858 | -0.88115407 | 0.74181995 | 0.71134157 | -0.004900488 |
| ## | C8.A131.01TCGA | -0.37334527 | -0.06570632 | 0.64672073 | 0.57385887 | 1.338908366 |
| ## | A0.A12B.01TCGA | 0.38224613 | 0.03581190 | 0.67325089 | 0.67325089 | -0.507396984 |
| ## | BH.A18Q.02TCGA | -0.49380801 | -0.03214531 | -0.11912524 | -0.13585215 | -0.517225683 |
| ## | C8.A130.02TCGA | 0.34886672 | 0.38494527 | -0.09063571 | -0.09719545 | 0.365266062 |
| ## | C8.A138.03TCGA | 0.02222628 | 1.02793955 | -0.28863055 | -0.18623065 | -0.010687968 |
| ## | | NP_055848 | NP_115627 | NP_694574 | NP_001107604 | NP_037473 |
| ## | A0.A12D.01TCGA | 0.32274215 | 0.55513984 | 0.9856470 | 1.3018603 | 0.09034447 |
| ## | C8.A131.01TCGA | 1.13651432 | 2.28206462 | 0.9381682 | 1.4522490 | -0.47859017 |
| ## | A0.A12B.01TCGA | -0.48245372 | -1.77950349 | -0.5434261 | -0.2191637 | 0.50973393 |
| ## | BH.A18Q.02TCGA | 1.99181071 | -0.04887222 | 0.5365696 | -0.1793421 | -1.49407719 |
| ## | C8.A130.02TCGA | -1.31402680 | -0.62197447 | 0.1192759 | -0.6646128 | 2.83500732 |
| ## | C8.A138.03TCGA | -0.07651647 | -0.57388740 | -0.2264592 | 0.6695399 | -1.16268681 |
| ## | | NP_006444 | NP_058633 | NP_001166958 | NP_000908 | NP_001017962 |
| ## | A0.A12D.01TCGA | 0.09034447 | -1.1326007 | 0.7913473 | 2.7000562 | 2.5019467 |
| ## | C8.A131.01TCGA | -0.15880758 | -0.3328665 | 0.2905072 | 3.4154713 | 3.2454603 |
| ## | A0.A12B.01TCGA | -0.29122202 | -1.5466997 | -2.0732797 | -1.3831827 | -1.3000385 |
| ## | BH.A18Q.02TCGA | 0.57336880 | 0.2823206 | -1.0457960 | -2.4073664 | -2.3839488 |
| ## | C8.A130.02TCGA | 1.21147223 | 0.0241597 | 2.2872692 | 0.8342873 | 0.9359632 |
| ## | C8.A138.03TCGA | -0.69457299 | 0.7317113 | -1.0968583 | 1.7886245 | 1.7374246 |
| ## | | NP_490597 | NP_001186384 | NP_031397 | NP_002429 | NP_060272 |
| ## | A0.A12D.01TCGA | 1.2294741 | 0.44084590 | -0.49636445 | 0.8218257 | 0.68086318 |
| ## | C8.A131.01TCGA | 0.4362309 | -0.10213725 | -0.04141903 | 3.6664399 | -0.68907998 |
| ## | A0.A12B.01TCGA | -0.0279320 | 0.07461253 | -0.51848288 | -1.4690984 | 0.11341316 |
| ## | BH.A18Q.02TCGA | 0.3693005 | 0.45293506 | -0.52391645 | 1.4498589 | -1.09263136 |
| ## | C8.A130.02TCGA | 1.8805655 | 0.38822514 | 0.21111222 | -1.5042592 | -0.72037053 |
| ## | C8.A138.03TCGA | -0.7384587 | 0.24165463 | 0.40256876 | -0.4897732 | 0.07708337 |
| ## | | NP_957516 | NP_001005333 | NP_001229291 | NP_001034794 | NP_001003408 |
| ## | A0.A12D.01TCGA | -1.8297938 | 0.497992870 | 2.2733588 | -2.2564912 | 2.8448285 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|-------------|-------------|
| ## | C8.A131.01TCGA | -2.9761327 | 0.088113159 | -1.3367409 | -2.6482543 | 1.9663299 |
| ## | A0.A12B.01TCGA | -3.4091301 | -1.125435658 | -2.0899086 | -3.9634249 | -0.4519675 |
| ## | BH.A18Q.02TCGA | -3.7254469 | -4.444703988 | -0.6677679 | -2.4408203 | -0.1927236 |
| ## | C8.A130.02TCGA | -0.4678206 | 0.001200618 | 0.8703659 | 0.2373512 | 1.0441989 |
| ## | C8.A138.03TCGA | 0.9913682 | 0.036854841 | 1.2327393 | 0.9803967 | 1.4667963 |
| ## | NP_006711 | NP_006449 | NP_001123539 | NP_004746 | NP_003933 | |
| ## | A0.A12D.01TCGA | 2.9286441 | -0.7554307 | 0.04081709 | 0.8980217 | -0.04680827 |
| ## | C8.A131.01TCGA | 1.6222600 | -0.6688406 | 0.82077961 | -0.8550431 | 0.65886437 |
| ## | A0.A12B.01TCGA | -0.2718217 | -0.4297957 | 0.66493647 | 0.5014195 | -2.05110793 |
| ## | BH.A18Q.02TCGA | -0.3432658 | -2.2099889 | 1.33946125 | -0.0154184 | 0.06487076 |
| ## | C8.A130.02TCGA | 0.4603823 | -0.6875718 | -1.49441958 | 0.4013446 | 1.00812036 |
| ## | C8.A138.03TCGA | 0.9438254 | 1.6935389 | 0.06976909 | 3.3063373 | 0.12096904 |
| ## | NP_002605 | NP_689596 | NP_001244210 | NP_001026853 | NP_056990 | |
| ## | A0.A12D.01TCGA | -2.492699 | 0.7151514 | 0.6999122 | -0.31730394 | 0.5399006 |
| ## | C8.A131.01TCGA | -1.911540 | 1.1850889 | 1.1729452 | -3.49830934 | -0.3369143 |
| ## | A0.A12B.01TCGA | 5.096523 | -0.3632803 | -0.3244797 | 0.67047941 | -0.1831345 |
| ## | BH.A18Q.02TCGA | -6.505459 | -0.1759967 | -0.2529405 | 0.94805157 | 0.3927182 |
| ## | C8.A130.02TCGA | -5.446662 | -1.8420857 | -1.8880038 | 0.09303695 | 0.7818094 |
| ## | C8.A138.03TCGA | -4.567483 | -0.5629160 | -0.5775445 | -0.80794431 | 0.4720544 |
| ## | NP_148980 | NP_056506 | NP_958850 | NP_056161 | NP_055759 | |
| ## | A0.A12D.01TCGA | 0.5399006 | 0.947549054 | 0.25797559 | 0.07129548 | 0.8751629 |
| ## | C8.A131.01TCGA | -0.3369143 | -0.009035984 | 1.59392486 | 0.94626392 | -0.1345203 |
| ## | A0.A12B.01TCGA | -0.1831345 | -0.712486051 | -2.31439795 | -0.98686196 | 0.2270436 |
| ## | BH.A18Q.02TCGA | 0.4629712 | -1.447241841 | 1.12201143 | -0.27635819 | -0.2462498 |
| ## | C8.A130.02TCGA | 0.8474068 | 1.546018854 | 0.78180941 | -0.62853420 | 1.7395311 |
| ## | C8.A138.03TCGA | 0.4501116 | 0.673197056 | 0.08439765 | 0.97673961 | 0.6805113 |
| ## | NP_599031 | NP_599032 | NP_001193946 | NP_001018494 | NP_055491 | |
| ## | A0.A12D.01TCGA | 0.1436816 | 0.1436816 | 0.06367588 | 0.82563551 | 0.82563551 |
| ## | C8.A131.01TCGA | 2.1403888 | 2.1403888 | 2.04323965 | 0.31884237 | 0.29050720 |
| ## | A0.A12B.01TCGA | -2.0344791 | -2.0344791 | -2.08159414 | -0.22747812 | -0.28290760 |
| ## | BH.A18Q.02TCGA | 0.5834049 | 0.4830435 | 0.46631658 | 0.08494305 | 0.06821614 |
| ## | C8.A130.02TCGA | 0.4997407 | 0.5063004 | 0.55221859 | 1.16883393 | 1.16883393 |
| ## | C8.A138.03TCGA | -0.6104588 | -0.4934303 | -0.46783036 | -0.27400199 | -0.27400199 |
| ## | NP_056132 | NP_065825 | NP_596867 | NP_391988 | NP_000879 | |
| ## | A0.A12D.01TCGA | 0.58180843 | 0.15892083 | 1.3475779 | 1.3780562 | 0.9665980 |
| ## | C8.A131.01TCGA | 0.14478349 | 0.20954959 | 2.4682671 | 2.4601714 | 6.0789769 |
| ## | A0.A12B.01TCGA | -0.05841822 | -0.01407463 | -2.0206217 | -1.9984499 | -1.1947225 |
| ## | BH.A18Q.02TCGA | 0.31911978 | -0.79823776 | 0.7841279 | 0.7807825 | 0.1752684 |
| ## | C8.A130.02TCGA | 0.79820875 | 0.27998947 | -0.6744524 | -0.6744524 | -2.2553492 |
| ## | C8.A138.03TCGA | -0.58485882 | 0.49765438 | 1.5582247 | 1.5582247 | 1.2802822 |
| ## | NP_055523 | NP_001093646 | NP_000356 | NP_073572 | NP_003130 | |
| ## | A0.A12D.01TCGA | -0.2563472 | 1.1875663 | -2.66794940 | 2.18954325 | 1.2980505 |
| ## | C8.A131.01TCGA | -0.1264245 | 0.5495716 | -0.21143003 | 0.06382587 | 1.1081792 |
| ## | A0.A12B.01TCGA | -1.8543333 | 1.3411761 | -0.08613295 | 0.45153298 | -2.2257108 |
| ## | BH.A18Q.02TCGA | -0.6476956 | -1.1963382 | 0.76405557 | -0.77816547 | 0.4295174 |
| ## | C8.A130.02TCGA | -1.7272903 | 1.2213118 | 0.01432009 | -0.23494994 | -0.6547732 |
| ## | C8.A138.03TCGA | 1.0681681 | 0.9035968 | -0.71285869 | 0.30016886 | 1.3205107 |
| ## | NP_001243546 | NP_001243547 | NP_060828 | NP_005923 | NP_056350 | |
| ## | A0.A12D.01TCGA | -0.06204746 | -0.001090689 | 0.06748568 | 1.6066441 | 0.2770246 |
| ## | C8.A131.01TCGA | -0.04141903 | -0.138568173 | -0.61621812 | -0.2640525 | 1.2741423 |
| ## | A0.A12B.01TCGA | 0.65385057 | 0.526362772 | -0.69862868 | 2.1310461 | -1.2252087 |
| ## | BH.A18Q.02TCGA | -0.25294052 | -0.212795934 | -0.90528998 | -1.6613463 | -1.2063743 |
| ## | C8.A130.02TCGA | 0.04055904 | -0.070956497 | 0.70637242 | 0.7162120 | 0.2045525 |
| ## | C8.A138.03TCGA | 0.52325435 | 0.567140020 | 0.25628319 | 3.4855371 | 1.0279396 |

| | | | | | | |
|----|----------------|--------------|-------------|--------------|--------------|--------------|
| ## | | NP_001093894 | NP_006313 | NP_060458 | NP_079426 | NP_001258825 |
| ## | AO.A12D.01TCGA | 0.2770246 | 0.5665692 | 1.1989957 | -0.7249523 | -0.72495234 |
| ## | C8.A131.01TCGA | 1.4967757 | 0.5131407 | 0.4605182 | -0.9279050 | -0.87933038 |
| ## | AO.A12B.01TCGA | -1.2584664 | 1.0806575 | -0.2773647 | 1.0806575 | 0.87833995 |
| ## | BH.A18Q.02TCGA | -1.0792498 | 0.2421760 | -0.1693060 | -0.7882016 | -0.77147471 |
| ## | C8.A130.02TCGA | 0.2832693 | -0.6088550 | -0.3825440 | -0.1004753 | -0.01519873 |
| ## | C8.A138.03TCGA | 1.1047395 | 0.6585685 | 0.8560540 | -1.3126295 | -0.83354428 |
| ## | | NP_001137474 | NP_001896 | NP_001096078 | NP_054727 | NP_000687 |
| ## | AO.A12D.01TCGA | -2.1650560 | -1.2926123 | 0.35703034 | -0.2753962 | -1.35356904 |
| ## | C8.A131.01TCGA | -1.1586342 | 1.0515088 | 1.11627491 | 1.0717482 | -0.27619613 |
| ## | AO.A12B.01TCGA | 0.5041910 | -0.8815460 | -2.07327972 | -0.4408816 | 1.74303980 |
| ## | BH.A18Q.02TCGA | -1.9155953 | -0.1325068 | -0.06225375 | -0.4536634 | 1.41305965 |
| ## | C8.A130.02TCGA | 1.2672300 | -0.6318141 | 1.12291577 | -0.1595130 | -1.06147689 |
| ## | C8.A138.03TCGA | 0.3403974 | -2.2013143 | -1.47720077 | -0.6506873 | -0.03994508 |
| ## | | NP_001317 | NP_064551 | NP_000081 | NP_001107227 | NP_060867 |
| ## | AO.A12D.01TCGA | -0.05061807 | -0.1077650 | 0.9056413 | 0.5284713 | -2.08505029 |
| ## | C8.A131.01TCGA | -0.37739315 | -1.4015070 | 3.0268747 | -0.2842919 | -1.38531550 |
| ## | AO.A12B.01TCGA | -0.05287527 | 2.3139634 | -2.3892277 | 1.4769783 | 2.26130542 |
| ## | BH.A18Q.02TCGA | -0.05556299 | 2.5069995 | -1.1662298 | 1.1220114 | 0.07825229 |
| ## | C8.A130.02TCGA | 1.16555407 | -0.3694246 | 0.8998847 | -0.8351659 | -0.88436398 |
| ## | C8.A138.03TCGA | 0.81948262 | 0.1758261 | 1.6021104 | -0.5044018 | -1.07125833 |
| ## | | NP_005733 | NP_112223 | NP_079029 | NP_002159 | NP_005887 |
| ## | AO.A12D.01TCGA | 1.3704367 | 0.5170419 | -0.6297074 | 3.1077046 | -0.1230042 |
| ## | C8.A131.01TCGA | 1.2539029 | 0.6062419 | 0.1124004 | 0.9624554 | 0.1083526 |
| ## | AO.A12B.01TCGA | 0.7674810 | 0.3545314 | 1.2580319 | -1.7240740 | 1.2497175 |
| ## | BH.A18Q.02TCGA | 0.9112524 | -0.1559244 | -0.5372980 | 1.1253568 | -1.2565551 |
| ## | C8.A130.02TCGA | -0.2152707 | -0.1759123 | -0.2218305 | 1.8707259 | -0.5202985 |
| ## | C8.A138.03TCGA | -0.5775445 | -0.3178877 | 1.0498824 | -0.3837162 | -1.1078297 |
| ## | | NP_059345 | NP_006331 | NP_001095886 | NP_000884 | NP_056004 |
| ## | AO.A12D.01TCGA | -1.5707275 | -1.5631079 | -0.5382722 | -0.9230618 | 1.3361485 |
| ## | C8.A131.01TCGA | -1.7131939 | -1.6970023 | 0.6548165 | 0.4483746 | 0.7236305 |
| ## | AO.A12B.01TCGA | 0.8866544 | 0.8644826 | -2.2063105 | -2.0427935 | -0.8787745 |
| ## | BH.A18Q.02TCGA | 0.7205656 | 0.7205656 | -0.7580932 | -0.5272618 | 0.1518507 |
| ## | C8.A130.02TCGA | -0.8286062 | -0.8286062 | 1.0802775 | 1.1458749 | 0.9130042 |
| ## | C8.A138.03TCGA | 0.1319405 | 0.1465690 | -2.1281715 | -2.2671428 | 0.3367403 |
| ## | | NP_061926 | NP_075067 | NP_057733 | NP_065899 | NP_055568 |
| ## | AO.A12D.01TCGA | -0.77066992 | 0.3341715 | 0.14368164 | -0.05061807 | 0.07510527 |
| ## | C8.A131.01TCGA | -0.28833977 | 0.2014538 | -0.69312786 | 1.37129141 | 0.22169323 |
| ## | AO.A12B.01TCGA | 1.19428798 | 0.2769301 | -0.79285879 | -0.33279413 | -1.83770444 |
| ## | BH.A18Q.02TCGA | -1.29669966 | 0.5332242 | -0.81496467 | -1.25990046 | -1.27662737 |
| ## | C8.A130.02TCGA | -0.06111689 | -0.6678926 | 2.63165545 | 0.44070305 | 1.55257859 |
| ## | C8.A138.03TCGA | 2.32622396 | 0.5927400 | 0.06611196 | 0.86702543 | -0.09114503 |
| ## | | NP_057507 | NP_060082 | NP_569829 | NP_569831 | NP_569827 |
| ## | AO.A12D.01TCGA | -0.5116036 | -0.87734427 | 0.2732148 | 0.3951283 | 0.2732148 |
| ## | C8.A131.01TCGA | -3.0854255 | -0.82266005 | -0.1952385 | -0.1709512 | -0.1952385 |
| ## | AO.A12B.01TCGA | -2.9601514 | 0.57902078 | 1.4603495 | 1.3134614 | 1.4603495 |
| ## | BH.A18Q.02TCGA | -0.1960690 | 0.80420015 | -0.9487799 | -0.9989607 | -0.9588161 |
| ## | C8.A130.02TCGA | 1.2573904 | -0.04799742 | -0.3923836 | -0.3956635 | -0.3956635 |
| ## | C8.A138.03TCGA | -1.0858869 | 0.69879703 | 0.2891974 | 0.3038260 | 0.2891974 |
| ## | | NP_036275 | NP_057306 | NP_004309 | NP_000628 | NP_060802 |
| ## | AO.A12D.01TCGA | 1.1304194 | -0.05823766 | 4.8564020 | -0.5839898 | -0.17253161 |
| ## | C8.A131.01TCGA | -0.3045313 | -0.40572832 | 2.8851989 | -0.4300156 | 0.62243344 |
| ## | AO.A12B.01TCGA | -0.1498769 | -0.42702424 | -0.7152575 | 2.4331368 | -0.70417163 |
| ## | BH.A18Q.02TCGA | 0.6436218 | -0.40682808 | -0.8015831 | -1.2231013 | 0.66034873 |


```

## C8.A130.02TCGA 0.7260516 0.97860154 1.8969648 -0.6744524 0.09959668
## C8.A138.03TCGA -0.4093161 1.90199582 -2.1354858 0.6987970 -0.40931614
## NP_009173 NP_037396 NP_000959 NP_000267 NP_005531
## A0.A12D.01TCGA -0.45064687 -0.1115748 -1.1935575 1.81999283 -0.6830446
## C8.A131.01TCGA 0.39170423 -0.2842919 2.2780167 0.33503390 -0.2154779
## A0.A12B.01TCGA -0.64319920 -2.6580607 -0.6265704 -0.94528986 -0.3272512
## BH.A18Q.02TCGA 0.95474234 3.0790598 -0.4670450 -0.04552684 0.1585415
## C8.A130.02TCGA 0.09959668 0.5587783 0.5423790 0.53909911 -1.4911397
## C8.A138.03TCGA -0.33251622 -0.4239447 -2.0733145 0.85605401 0.8231398
## NP_861447 NP_000161 NP_055211 NP_006793 NP_055684
## A0.A12D.01TCGA 0.14368164 -6.6339493 -0.18015120 -1.09831256 -0.09252584
## C8.A131.01TCGA 0.03953859 -2.8506484 0.28645932 -0.10618513 -0.36929739
## A0.A12B.01TCGA -0.56559793 -3.8664233 0.02749747 0.06906958 0.20764328
## BH.A18Q.02TCGA 1.45989500 -0.5339526 0.19534065 0.64696720 -0.77482009
## C8.A130.02TCGA -0.75644909 -5.2662688 -0.06439676 1.02779957 2.28398935
## C8.A138.03TCGA -0.12040214 3.7415368 0.95845391 -0.58485882 0.34405453
## NP_001127854 NP_001104595 NP_001164209 NP_056047 NP_060264
## A0.A12D.01TCGA -0.09252584 0.2998834 -0.7401915 -0.7401915 1.09613118
## C8.A131.01TCGA -0.36929739 0.2459805 -0.5150211 -0.5150211 1.48463208
## A0.A12B.01TCGA 0.20764328 1.3384046 -2.3393412 -2.3393412 -0.87877448
## BH.A18Q.02TCGA -0.77482009 -0.1358522 -2.6749970 -2.6749970 0.09832458
## C8.A130.02TCGA 2.28398935 -0.1004753 3.6156161 3.6156161 -0.09719545
## C8.A138.03TCGA 0.34405453 0.3367403 -0.2228020 -0.2228020 -0.05457364
## NP_037528 NP_004276 NP_001254490 NP_001254489 NP_001911
## A0.A12D.01TCGA 2.2847882 0.1132033 -0.23729818 -0.33635293 -1.6964509
## C8.A131.01TCGA 1.3591478 0.3836085 0.05977799 0.07596952 -4.0812042
## A0.A12B.01TCGA 0.2325865 -0.5323402 1.48529273 1.41046294 -4.4345755
## BH.A18Q.02TCGA 0.5298788 0.7640556 -2.07282825 -2.14642665 -0.2094506
## C8.A130.02TCGA -1.0385178 0.5653381 0.66045426 0.46038226 1.8444869
## C8.A138.03TCGA 1.0059967 -0.5885160 1.08645378 1.02793955 -0.1313736
## NP_008958 NP_000691 NP_694997 NP_055077 NP_065826
## A0.A12D.01TCGA -0.2906354 2.4181311 -0.26015697 1.202806 1.7247479
## C8.A131.01TCGA -0.5474041 2.4966023 0.24598052 3.083545 -0.8671867
## A0.A12B.01TCGA -0.4685963 -3.1458401 0.18824296 -1.837704 0.1383564
## BH.A18Q.02TCGA 1.0049231 0.5733688 0.57002342 -1.350226 -1.2966997
## C8.A130.02TCGA 0.2209518 -1.1992314 0.48990108 1.185233 -0.7662887
## C8.A138.03TCGA -0.3946876 -0.6397159 0.02588342 1.528968 4.8203929
## NP_004591 NP_060628 NP_060496 NP_056012 NP_001254500
## A0.A12D.01TCGA -0.5916094 -0.8468659 0.05986608 -1.1478399 0.09796406
## C8.A131.01TCGA -0.1426161 -0.7093194 0.84911477 0.5009970 1.15270584
## A0.A12B.01TCGA 0.7453092 -0.6875428 -0.68754279 0.8700255 -0.89540333
## BH.A18Q.02TCGA 0.5666780 -1.0391053 0.63024030 0.1317784 -0.87518154
## C8.A130.02TCGA 0.6866932 1.2278716 0.12255577 1.2442709 -0.18903178
## C8.A138.03TCGA -0.5519446 -0.1240593 0.92919680 0.4720544 0.31479742
## NP_036602 NP_001177957 NP_002387 NP_006671 NP_002638
## A0.A12D.01TCGA -0.2449178 -0.2449178 -0.05442786 -1.90979957 0.1436816
## C8.A131.01TCGA -0.4259677 -0.3045313 1.12841856 -0.07380208 0.4969491
## A0.A12B.01TCGA -0.1859060 -0.1859060 -0.11384769 2.05621635 -0.5046255
## BH.A18Q.02TCGA -1.0391053 -1.0692137 1.60374642 0.90790699 0.4027543
## C8.A130.02TCGA 0.5194199 0.5194199 -0.27430837 -1.19923139 -0.2087110
## C8.A138.03TCGA 0.2306832 0.2635975 -1.48817219 -0.99811554 0.1209690
## NP_001229372 NP_006353 NP_057227 NP_037386 NP_054721
## A0.A12D.01TCGA 8.9786036 -0.2182492 -0.18777080 0.1779698 1.59902454
## C8.A131.01TCGA 0.5414758 -0.6769363 -0.33691434 0.5131407 0.88554570

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | A0.A12B.01TCGA | -1.4690984 | 0.4321327 | -0.02238906 | -0.1360195 | -1.13652155 |
| ## | BH.A18Q.02TCGA | -3.2738203 | 0.2455214 | -0.37337426 | 0.1050153 | -0.15926982 |
| ## | C8.A130.02TCGA | -2.1438336 | 0.7785295 | -1.00571912 | 0.3062284 | -0.06767663 |
| ## | C8.A138.03TCGA | 0.6293114 | -0.8810871 | 0.72073986 | 0.8926254 | -0.60314451 |
| ## | | NP_055542 | NP_001184033 | NP_001129120 | NP_001098714 | NP_008981 |
| ## | A0.A12D.01TCGA | 0.9742176 | -0.7630503 | 1.01612542 | 0.18939922 | NA |
| ## | C8.A131.01TCGA | 0.5698110 | 0.6224334 | -0.44215924 | 0.44027880 | NA |
| ## | A0.A12B.01TCGA | -0.2136208 | 0.2547583 | 0.01641158 | -0.80117322 | NA |
| ## | BH.A18Q.02TCGA | 0.3559190 | -1.2933543 | 2.51703566 | -0.02879993 | 0.5466057 |
| ## | C8.A130.02TCGA | 0.3095083 | 0.4866212 | -0.82204647 | 0.15863432 | -1.0450776 |
| ## | C8.A138.03TCGA | -1.6454292 | -0.1972021 | 1.42656772 | -0.79697289 | NA |
| ## | | NP_006339 | NP_075068 | NP_002094 | NP_068776 | NP_060541 |
| ## | A0.A12D.01TCGA | 0.9704078 | 0.29226377 | 0.11701305 | 0.3036932 | -0.01252008 |
| ## | C8.A131.01TCGA | -0.3166749 | -0.13047241 | 0.71553470 | 0.5009970 | -0.04141903 |
| ## | A0.A12B.01TCGA | 0.5402201 | -0.88431743 | 0.08292695 | 0.2603013 | 1.25248893 |
| ## | BH.A18Q.02TCGA | -0.8149647 | -0.08567142 | 0.17526836 | 0.2187583 | -0.37002888 |
| ## | C8.A130.02TCGA | -0.5432576 | 1.34922672 | -0.58261604 | -0.6318141 | 0.12583564 |
| ## | C8.A138.03TCGA | 0.9218825 | -0.75308722 | 1.85079587 | 2.0738814 | 0.64393994 |
| ## | | NP_008982 | NP_620137 | NP_003225 | NP_003218 | NP_612403 |
| ## | A0.A12D.01TCGA | -0.06204746 | -0.660185772 | 1.23328392 | 1.56473636 | 0.12844245 |
| ## | C8.A131.01TCGA | 0.65076861 | -0.009035984 | -0.04141903 | -0.09808936 | 0.03144283 |
| ## | A0.A12B.01TCGA | -0.42425277 | 2.178161202 | -2.52780144 | -4.68955106 | 0.62059288 |
| ## | BH.A18Q.02TCGA | 0.10166996 | 0.175268362 | -2.20998890 | -8.66657590 | 0.71722022 |
| ## | C8.A130.02TCGA | -0.05455715 | -1.264828764 | 0.27998947 | -4.81036701 | 0.26031026 |
| ## | C8.A138.03TCGA | -0.83354428 | -0.365430467 | -0.95422987 | -5.78531071 | -0.18988779 |
| ## | | NP_277050 | NP_078805 | NP_004806 | NP_003889 | NP_065892 |
| ## | A0.A12D.01TCGA | 0.3341715 | 0.117013054 | -0.7135229 | -0.8773443 | -1.0449754 |
| ## | C8.A131.01TCGA | 1.4846321 | -0.583835075 | -0.9157613 | -0.2478610 | -0.4866859 |
| ## | A0.A12B.01TCGA | -0.8566027 | -0.002988738 | 0.7702525 | 0.8506252 | -3.7306211 |
| ## | BH.A18Q.02TCGA | 0.4194812 | 0.168577598 | -1.2933543 | 0.1250876 | -1.2264466 |
| ## | C8.A130.02TCGA | -0.6318141 | 0.499740686 | 1.1589943 | 0.7358912 | -1.3402657 |
| ## | C8.A138.03TCGA | 0.1502262 | -0.588515956 | -0.4422304 | 0.6439399 | 0.8706826 |
| ## | | NP_065947 | NP_005549 | NP_001153682 | NP_003696 | NP_443202 |
| ## | A0.A12D.01TCGA | 0.5094223 | 3.5344020 | 1.5152090 | 0.38369893 | -0.949730432 |
| ## | C8.A131.01TCGA | 0.5050449 | 1.1122270 | 0.3147945 | -0.05761056 | -0.919809192 |
| ## | A0.A12B.01TCGA | -1.9929070 | -2.6691466 | -0.5794553 | 0.36007434 | 0.703737100 |
| ## | BH.A18Q.02TCGA | -0.3633381 | -1.6881093 | 0.1418145 | 0.74732866 | 0.007999269 |
| ## | C8.A130.02TCGA | -0.8056471 | -2.2750284 | 0.4013446 | 1.14915472 | -0.251349285 |
| ## | C8.A138.03TCGA | 2.1543384 | -0.2154878 | -1.3894294 | -0.55925884 | 0.292854583 |
| ## | | NP_079291 | NP_004550 | NP_003642 | NP_001138898 | NP_057066 |
| ## | A0.A12D.01TCGA | -0.6868544 | 2.0447709 | 1.3551975 | 1.53044817 | 1.5799755 |
| ## | C8.A131.01TCGA | -1.9155879 | -0.1952385 | -0.1385682 | -0.06165844 | 0.3147945 |
| ## | A0.A12B.01TCGA | 0.1161846 | -1.2640094 | -1.3610109 | -1.35269652 | -1.2418376 |
| ## | BH.A18Q.02TCGA | -0.0154184 | -1.4907318 | 0.2287945 | 0.19534065 | -0.2161413 |
| ## | C8.A130.02TCGA | 0.6440549 | 1.5361792 | 1.1589943 | 1.13931512 | 1.5591383 |
| ## | C8.A138.03TCGA | -0.8737728 | -0.3398305 | -1.0127441 | -0.86280139 | -0.9103442 |
| ## | | NP_001265367 | NP_056007 | NP_113654 | NP_005580 | NP_001265523 |
| ## | A0.A12D.01TCGA | 2.7533934 | 2.433370338 | 1.50377959 | -1.5478687 | -1.5097708 |
| ## | C8.A131.01TCGA | 1.5129672 | -0.000940222 | 0.46051820 | -1.5877095 | -1.5715180 |
| ## | A0.A12B.01TCGA | -0.5905412 | -1.172550714 | 0.42658971 | 3.8632173 | 3.8521314 |
| ## | BH.A18Q.02TCGA | -0.3599927 | 3.851843027 | 0.52653346 | -0.4302458 | -0.4302458 |
| ## | C8.A130.02TCGA | -0.5990154 | -0.927002271 | -0.69741145 | -1.2910677 | -1.4583410 |
| ## | C8.A138.03TCGA | 0.4062259 | 0.589082855 | -0.01068797 | 1.1339966 | 1.2254251 |
| ## | | NP_005511 | NP_062543 | NP_004957 | NP_036339 | NP_067676 |

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## A0.A12D.01TCGA -0.88496386 -0.05823766 0.3189324 -0.2334884 -0.2411080
## C8.A131.01TCGA -0.75384607 -0.46239865 0.5252843 -0.6769363 -0.7740855
## A0.A12B.01TCGA 0.54299162 0.14112790 -0.1692772 -0.2551929 -0.3078509
## BH.A18Q.02TCGA -0.09236219 -0.79489238 -0.2261775 0.2890113 0.3191198
## C8.A130.02TCGA 0.31934790 0.47350173 1.1688339 1.0605983 1.0802775
## C8.A138.03TCGA -1.15902967 -0.09480217 -0.1825735 -0.6433730 -0.5848588
## NP_001144 NP_006640 NP_001159693 NP_067677 NP_000549
## A0.A12D.01TCGA 1.0770822 0.2884540 0.2884540 0.77229834 -3.9442318
## C8.A131.01TCGA 0.6993432 -0.6000266 -0.6000266 -1.87915697 3.0147311
## A0.A12B.01TCGA 0.1688426 -0.6016271 -0.5739124 -0.56559793 -0.7429723
## BH.A18Q.02TCGA -0.1325068 -0.1793421 -0.1425429 0.08828843 -4.6922622
## C8.A130.02TCGA 0.3652661 0.9359632 0.8802055 0.96220220 -5.5450576
## C8.A138.03TCGA -0.1204021 -0.4934303 -0.4897732 -0.71285869 -4.2639408
## NP_006746 NP_003698 NP_004779 NP_001035932 NP_077006
## A0.A12D.01TCGA -0.8392463 -0.53446243 1.0199352 0.4217969 0.4179871
## C8.A131.01TCGA 0.2621720 -0.91576131 -0.1345203 -1.2234003 -1.2638791
## A0.A12B.01TCGA -0.1471054 0.26861570 -0.1193906 0.2991019 0.3018734
## BH.A18Q.02TCGA 1.1989552 0.38937280 -0.2964305 -4.1068204 -4.1068204
## C8.A130.02TCGA -0.6088550 0.07007786 0.7194919 -1.5665767 -1.5665767
## C8.A138.03TCGA -0.3215448 0.46839726 1.0096539 0.3294260 0.3294260
## NP_284941 NP_055689 NP_002849 NP_001116146 NP_006210
## A0.A12D.01TCGA 0.06367588 0.3836989 0.8142061 0.8561139 1.57997555
## C8.A131.01TCGA 0.17716654 -0.3166749 -1.6605714 -1.9074921 -0.03332327
## A0.A12B.01TCGA -0.50462551 0.7951957 -2.5666021 -2.5333444 0.01086863
## BH.A18Q.02TCGA 1.85465006 0.3960636 -4.2473265 -4.1770734 -0.37671964
## C8.A130.02TCGA 1.05403852 0.1881531 -2.4882199 -3.0785962 -0.06767663
## C8.A138.03TCGA 0.58542572 -0.3800590 3.2551373 4.0231365 -0.22645918
## NP_001098662 NP_005069 NP_005068 NP_008936 NP_003251
## A0.A12D.01TCGA -0.9459206 -0.8963933 1.01231562 1.0008862 0.1741600
## C8.A131.01TCGA -0.2681004 -0.2681004 -0.02522751 -0.1183288 -0.3652495
## A0.A12B.01TCGA 1.9065568 1.9065568 0.45707592 0.5817922 0.7619381
## BH.A18Q.02TCGA -1.3736434 -1.3234627 -0.79154700 -0.8183101 -0.8618000
## C8.A130.02TCGA 0.2898291 0.2635901 0.21111222 0.1783135 0.4275836
## C8.A138.03TCGA -1.1809725 -1.1809725 -0.02165938 -0.3946876 -0.8262300
## NP_005134 NP_066275 NP_006314 NP_068817 NP_005737
## A0.A12D.01TCGA 1.7780851 1.195186 0.25035599 1.0999410 3.57630979
## C8.A131.01TCGA 0.5131407 0.229789 0.16502290 -0.2842919 3.18069419
## A0.A12B.01TCGA -1.4857273 -1.992907 0.43213266 1.1610303 -1.44969810
## BH.A18Q.02TCGA -0.6778040 -1.022378 -0.14588830 -0.5439887 -0.62427790
## C8.A130.02TCGA 1.6312954 1.408264 -0.01191886 -1.1270743 -0.06439676
## C8.A138.03TCGA -3.3094275 -3.217999 -0.33617335 1.2254251 -1.66371487
## NP_078836 NP_757367 NP_000883 NP_219491 NP_004122 NP_116165
## A0.A12D.01TCGA 1.2790015 -1.6888313 -0.1115748 -3.087027 NA -0.1382434
## C8.A131.01TCGA -1.9277315 -0.5676436 1.1850889 -2.526818 NA 0.5738589
## A0.A12B.01TCGA 2.2031045 1.2386316 -2.3615130 -6.183375 NA -0.5434261
## BH.A18Q.02TCGA -0.3198482 -1.7550170 -0.4034827 1.523457 2.319658 0.7138748
## C8.A130.02TCGA 1.8969648 -3.0982755 0.7391711 0.191433 -0.457981 0.1848733
## C8.A138.03TCGA 3.0759375 1.6679389 -1.7990290 -0.537316 NA 0.9218825
## NP_005637 NP_000917 NP_065770 NP_004597 NP_722516
## A0.A12D.01TCGA -1.08307337 -2.580324 0.10939346 -1.40309641 -1.47548258
## C8.A131.01TCGA 0.58195463 -1.514848 0.09620892 -0.23976520 0.97459908
## A0.A12B.01TCGA 1.70701064 3.829960 0.54299162 0.50973393 -0.08059001
## BH.A18Q.02TCGA 0.03141694 -6.719564 0.11839687 0.04479847 -0.50718954
## C8.A130.02TCGA -1.14019375 -2.186472 0.81460810 0.71949190 1.16883393

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## C8.A138.03TCGA 0.31845456 -3.207028 0.93285394 1.09011092 0.98771102
## NP_055336 NP_006829 NP_003479 NP_003744 NP_009166
## A0.A12D.01TCGA 1.93047698 -1.3764278 -0.93449124 0.39893812 1.2218545
## C8.A131.01TCGA 1.95013839 -0.8307558 -0.89147403 0.01525130 -0.1142809
## A0.A12B.01TCGA -1.03120555 0.2242721 -0.85937417 -0.06950411 -0.8732315
## BH.A18Q.02TCGA -0.01207302 -0.6911855 -0.15926982 0.44624429 0.3391921
## C8.A130.02TCGA 1.87072587 2.4873412 1.60505649 0.92284377 0.4210238
## C8.A138.03TCGA -0.24840201 0.1758261 0.06245481 -0.09114503 0.3550259
## NP_075055 NP_056348 NP_510965 NP_001258027 NP_055096
## A0.A12D.01TCGA 0.8065865 -1.3421396 -0.52684284 -0.50017425 -0.52303304
## C8.A131.01TCGA 0.8369711 -1.4257943 -0.03332327 -0.08999360 0.02334706
## A0.A12B.01TCGA -2.1093089 2.2225048 -0.22747812 -0.22470665 -0.23024960
## BH.A18Q.02TCGA 1.8780677 -1.4204788 0.04814385 0.04814385 0.05483462
## C8.A130.02TCGA -0.2415097 -0.5760563 0.38166541 0.37510567 0.44070305
## C8.A138.03TCGA -0.4349161 -1.0529726 -0.33251622 -0.35445905 -0.32520194
## NP_001258028 NP_060619 NP_955805 NP_003739 NP_000924
## A0.A12D.01TCGA -0.53065263 -0.2030100 0.9513589 -0.20300999 1.82761243
## C8.A131.01TCGA -0.11428089 -0.2438131 -0.6890800 -1.28816636 -0.31262705
## A0.A12B.01TCGA -0.23024960 -0.6709139 -3.2234414 1.65712411 -0.43533866
## BH.A18Q.02TCGA 0.02472618 -0.3399204 -1.0658683 -1.63458323 1.94832075
## C8.A130.02TCGA 0.48334134 0.7194919 2.3233478 -0.06111689 -0.08735584
## C8.A138.03TCGA -0.36908761 0.4427973 2.0665671 0.50131152 -0.21548776
## NP_006199 NP_001124436 NP_006216 NP_001124432 NP_055453
## A0.A12D.01TCGA 0.3417911 0.3608401 0.3608401 0.7722983 NA
## C8.A131.01TCGA -1.4581774 -0.8145643 -0.8145643 0.6021940 NA
## A0.A12B.01TCGA 1.7014677 -0.5933127 -0.5933127 -0.7208005 NA
## BH.A18Q.02TCGA -3.4210171 0.1418145 0.2221037 1.5301480 1.7576340
## C8.A130.02TCGA 4.0485588 -0.8154867 -0.7794082 -0.1299941 -1.3205865
## C8.A138.03TCGA -0.3910304 -0.1423450 -0.1752592 1.3314821 -0.7457729
## NP_055983 NP_064578 NP_002567 NP_002568 NP_001121640
## A0.A12D.01TCGA 0.27321478 0.30369316 -1.3116613 -0.26015697 -0.84305608
## C8.A131.01TCGA 0.37551271 0.45647032 -0.3531059 0.20145383 -0.06165844
## A0.A12B.01TCGA -0.25242139 0.15498527 0.2547583 -0.09721885 0.21595770
## BH.A18Q.02TCGA -0.31650277 -0.62093252 0.5265335 0.22544909 0.45962582
## C8.A130.02TCGA 1.02451970 0.29638882 -0.2480694 0.51941990 0.13895511
## C8.A138.03TCGA -0.08017361 -0.01434511 -1.9965145 -0.49343034 -0.94325846
## NP_689749 NP_004085 NP_005403 NP_004160 NP_705831
## A0.A12D.01TCGA 1.2256643 0.1627306 0.9856470 -3.8908946 0.5932378
## C8.A131.01TCGA 4.4719682 0.1164483 1.3915308 -1.4865125 -0.4947817
## A0.A12B.01TCGA -0.9064892 0.5069625 -0.4796822 1.6016946 1.0335425
## BH.A18Q.02TCGA -0.1425429 -0.6376594 1.5602565 -0.4670450 -0.4302458
## C8.A130.02TCGA 1.8379272 0.4571024 1.0933970 0.3095083 -0.8548452
## C8.A138.03TCGA -0.1057736 0.2635975 -0.4788018 -2.2598286 0.8779968
## NP_056370 NP_000553 NP_110517 NP_115609 NP_057657
## A0.A12D.01TCGA -0.1458630 1.0923214 -0.10395524 1.2028055 0.5475202
## C8.A131.01TCGA -0.5069253 0.7033911 -0.09808936 -0.1952385 1.2458071
## A0.A12B.01TCGA 0.5928781 -1.9374775 -0.03624642 -0.5572835 -1.0228911
## BH.A18Q.02TCGA -0.7948924 -0.5607156 0.60347724 -0.8049285 0.9079070
## C8.A130.02TCGA 0.1291155 0.8802055 0.55549846 0.3587063 -0.5399777
## C8.A138.03TCGA 1.4997105 -2.1757144 0.44645443 1.5253105 -0.9213156
## NP_001258356 NP_001138771 NP_001138770 NP_056034 NP_054767
## A0.A12D.01TCGA 1.4123444 -0.05061807 -0.05061807 -0.05061807 -1.91360937
## C8.A131.01TCGA 0.1245441 0.59814616 0.59814616 0.59814616 -1.68890657
## A0.A12B.01TCGA -0.8150306 0.76748100 0.76748100 0.76748100 0.20487180

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## BH.A18Q.02TCGA      1.2123367  -0.73133012  -0.73133012  -0.63431405  -2.34380418
## C8.A130.02TCGA      -0.1759123   0.44726278   0.44726278   0.42102383   0.08647721
## C8.A138.03TCGA       0.3221117   0.79022551   0.79022551   0.68051133   1.78862450
##                      NP_065882 NP_001139784 NP_001257624 NP_001257628  NP_005920
## AO.A12D.01TCGA      1.1113704  -3.1708428   0.31512256   0.3113128  -2.26030100
## C8.A131.01TCGA      0.4564703  -1.9196358   1.30652532   1.3065253  -2.00868916
## AO.A12B.01TCGA      0.2436724  -2.5887739  -0.07781853  -0.1055333  -2.77169114
## BH.A18Q.02TCGA     -0.2429044  -3.7388284  -0.45700881  -0.4202096   5.30039337
## C8.A130.02TCGA      0.1356752   0.3390271   0.10615642   0.1258356  -0.58589591
## C8.A138.03TCGA      0.4903401   1.7776531   0.54519719   0.4318259   0.09171193
##                      NP_031394 NP_001001992 NP_001027582 NP_001193997 NP_001153239
## AO.A12D.01TCGA      0.2732148   1.54187757   1.54187757  -1.1745085   1.3932954
## C8.A131.01TCGA      0.5617152   0.08406528   0.08406528   0.1366877   0.2055017
## AO.A12B.01TCGA     -0.9646902   0.26307275   0.26307275  -1.7517888  -2.8714642
## BH.A18Q.02TCGA      0.3893728   0.30908364   0.30908364  -1.6145109  -2.0962459
## C8.A130.02TCGA      0.2963888   0.11927590   0.11927590  -0.6908517  -0.1431136
## C8.A138.03TCGA     -0.1130879   1.31319641   1.31319641   0.6731971  -0.4495447
##                      NP_001096123 NP_005921 NP_001234919 NP_758441  NP_848656
## AO.A12D.01TCGA      2.47908792   3.1800908   3.2867651   3.050558   3.2981945
## C8.A131.01TCGA      0.53338006   0.7641093   0.7641093   1.318669   0.2297890
## AO.A12B.01TCGA     -0.11107622  -1.1559219  -1.0312055  -1.225209  -0.3106223
## BH.A18Q.02TCGA      0.11170611  -2.6716516  -2.8422661  -2.758632  -3.8124268
## C8.A130.02TCGA     -0.50717906  -1.9208025  -1.6682526  -1.582976  -2.3537452
## C8.A138.03TCGA      0.06976909   2.5675951   2.5675951   2.443252   2.6919379
##                      NP_940897 NP_116258 NP_787072 NP_056249 NP_061854
## AO.A12D.01TCGA      3.2981945   0.5360909   0.5589496  -0.2258688   0.8789727
## C8.A131.01TCGA      0.2297890   0.3998000   0.3107466  -0.2438131   1.0555567
## AO.A12B.01TCGA     -0.6903143  -1.3887257   0.4071894   0.1217276  -0.6792284
## BH.A18Q.02TCGA     -3.8124268   0.8242724  -0.5071895  -0.1927236  -1.1127037
## C8.A130.02TCGA     -2.3537452  -1.4517813   0.2603103   0.1815934  -0.5334180
## C8.A138.03TCGA      2.7431378  -0.4568589   1.7191389   0.2526261   1.6533104
##                      NP_055953 NP_002363 NP_001093896 NP_001093897 NP_066982
## AO.A12D.01TCGA     -0.4849351   2.10953749   1.9190476   1.9228574   1.8809496
## C8.A131.01TCGA      0.5293322  -0.51097322  -0.1061851  -0.1304724  -0.0899936
## AO.A12B.01TCGA     -0.1443339  -0.21084928  -0.8011732  -0.8205735  -0.7873158
## BH.A18Q.02TCGA     -0.3633381   0.05148923  -0.5138803  -0.5105349  -0.5071895
## C8.A130.02TCGA      0.3357472  -1.25826903  -1.8224065  -1.7994474  -1.7928877
## C8.A138.03TCGA      0.3257688   3.17468024  -1.5320579  -1.5320579  -1.3053152
##                      NP_001093898 NP_066018 NP_004183 NP_055707 NP_065757
## AO.A12D.01TCGA      1.8314222  -0.4811253  -0.9992578  -0.073476855  0.5627594
## C8.A131.01TCGA     -0.1749991  -0.2397652  -2.0532159  -0.004988103  -0.2397652
## AO.A12B.01TCGA     -0.8205735   0.3961035   0.3988750   0.118956112  -0.4685963
## BH.A18Q.02TCGA     -0.5004988  -0.5506795  -0.9889245  -0.925362270  0.4930796
## C8.A130.02TCGA     -1.8584850   0.8113282   0.4931809   1.359066329  -0.5957355
## C8.A138.03TCGA     -1.5320579   0.7317113   0.4318259  -0.241087735  0.6439399
##                      NP_036246 NP_005144 NP_055855 NP_009200 NP_001106177
## AO.A12D.01TCGA      8.281411   0.35703034   0.01033871  -0.808767900  -1.60501572
## C8.A131.01TCGA      1.909660   0.58195463   0.79244444  -0.988623168  -0.26000460
## AO.A12B.01TCGA     -1.721303  -0.70140015   0.19932885   0.221500646   0.05244074
## BH.A18Q.02TCGA     -8.382218   0.22879447   0.17526836   0.004653887  -3.08982433
## C8.A130.02TCGA     -6.965241   0.08319734  -0.42190247  -0.195591514  -1.01227886
## C8.A138.03TCGA     -9.475364  -0.71285869   0.84508260   0.852396875  -1.34554376
##                      NP_079191 NP_937825 NP_114414 NP_001128342 NP_001013649
## AO.A12D.01TCGA      0.7608689   1.10756058   0.68848278   0.71134157  -0.37826071

```

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## C8.A131.01TCGA 0.3350339 -0.57573931 0.06787375 2.15253243 0.35527330
## A0.A12B.01TCGA 0.5208198 -1.53007084 0.59010667 -2.08159414 1.55180811
## BH.A18Q.02TCGA 0.2689391 1.78105165 0.38937280 -0.27635819 -1.02906911
## C8.A130.02TCGA 1.4148241 0.06679799 0.57189780 -0.09391558 -0.04799742
## C8.A138.03TCGA 0.7609684 -0.82623000 -0.85548711 0.37696878 3.20028022
## NP_000889 NP_000231 NP_001139685 NP_073608 NP_055241
## A0.A12D.01TCGA -5.540537 -5.799603 0.1513012 -0.01252008 -0.8316267
## C8.A131.01TCGA -5.242946 -4.060965 -0.6728885 -0.67288846 -0.4826381
## A0.A12B.01TCGA -3.209584 -2.619260 -0.1415624 -0.07504706 0.5513060
## BH.A18Q.02TCGA 1.724180 -1.892178 -0.1057437 -0.09236219 0.6703849
## C8.A130.02TCGA 3.746811 -3.203231 1.1097963 1.08355734 -0.2054311
## C8.A138.03TCGA -1.382115 -4.307826 -0.2666877 -0.12771642 -0.5482874
## NP_689419 NP_689973 NP_055495 NP_057019 NP_004302
## A0.A12D.01TCGA -0.27158636 -0.05061807 2.9248343 0.2046384 -2.4546007
## C8.A131.01TCGA 0.16097501 -0.33286646 0.5617152 -0.3166749 -2.0005934
## A0.A12B.01TCGA 0.02749747 -0.04733232 -0.7900873 -0.4076239 1.5213219
## BH.A18Q.02TCGA 0.45293506 1.24913594 -1.0089968 -1.1762659 -1.6078202
## C8.A130.02TCGA -0.61541473 -0.58261604 -0.8712445 -0.6121349 -0.8220465
## C8.A138.03TCGA -0.24108773 0.01125487 0.5305686 0.1867975 -0.4861161
## NP_079436 NP_001108585 NP_004272 NP_115890 NP_060555
## A0.A12D.01TCGA 1.64093232 1.67522050 0.15892083 -2.7898629 1.71712828
## C8.A131.01TCGA 0.23788475 0.25812416 -0.08189784 -2.1827480 0.09620892
## A0.A12B.01TCGA -0.28845055 -0.36328034 0.42381824 2.4109650 -0.94251838
## BH.A18Q.02TCGA 0.09497920 0.08494305 -2.28693269 -1.0558322 -0.30646663
## C8.A130.02TCGA 0.05039865 0.05039865 1.07043787 -3.5049792 -0.17263243
## C8.A138.03TCGA 1.02428242 0.98771102 0.50862579 0.3842831 0.58176858
## NP_001121902 NP_000275 NP_001166927 NP_005381 NP_000377
## A0.A12D.01TCGA -0.4163587 0.623716210 0.58942803 1.1266096 -1.7574076
## C8.A131.01TCGA 0.6750559 -0.519068981 -0.51906898 -0.6040745 -1.7779599
## A0.A12B.01TCGA -0.4020810 1.820641072 1.66543854 2.0867026 -0.2801361
## BH.A18Q.02TCGA -0.2328682 0.021380796 -0.07563528 -1.6914547 -1.5141495
## C8.A130.02TCGA 0.4538225 -1.189391780 -1.20907099 -1.0155587 1.3820254
## C8.A138.03TCGA -1.6966291 -0.007030829 -0.10211645 0.9291968 -0.7274872
## NP_001159583 NP_001122089 NP_114128 NP_004717 NP_001074444
## A0.A12D.01TCGA 1.8466614 0.12463265 0.15511104 -0.5268428 -0.5268428
## C8.A131.01TCGA 1.4967757 0.38360847 0.33098601 -1.2355439 -1.2355439
## A0.A12B.01TCGA -1.1614648 0.01364010 0.01918305 -1.0866350 -1.0866350
## BH.A18Q.02TCGA -0.6577317 1.24579056 1.24579056 -1.9055592 -1.9055592
## C8.A130.02TCGA 0.7030926 -0.02175846 -0.02175846 -0.7794082 -0.7794082
## C8.A138.03TCGA -0.8920585 0.58542572 0.58542572 0.7097684 0.7097684
## NP_001157918 NP_443173 NP_940862 NP_997281 NP_003585
## A0.A12D.01TCGA 1.1723271 2.40670175 3.9306210 3.9458602 0.4027479
## C8.A131.01TCGA -0.9481444 -0.77408548 -0.6647927 0.2014538 0.0800174
## A0.A12B.01TCGA -1.0256626 -2.40585659 -2.0233932 -4.0049970 -1.7628747
## BH.A18Q.02TCGA -0.7748201 5.13646966 3.1158590 5.6315862 -0.5841333
## C8.A130.02TCGA 1.2573904 -0.94012175 -0.6482134 -0.7170907 0.7719698
## C8.A138.03TCGA 2.1689670 0.01491201 0.7792541 0.7426827 1.0462253
## NP_055527 NP_055863 NP_542414 NP_056464 NP_061830
## A0.A12D.01TCGA -0.42016849 NA -1.208796708 0.04081709 0.0141485
## C8.A131.01TCGA 0.14478349 NA 0.003107659 -0.63645753 1.2012804
## A0.A12B.01TCGA 0.68156531 NA -2.195224574 0.91436911 -1.5383853
## BH.A18Q.02TCGA 0.72391099 0.4897343 -0.433591137 0.69380255 1.6505818
## C8.A130.02TCGA 0.63749518 -0.1037552 -1.212350863 0.99172102 -0.2349499
## C8.A138.03TCGA -0.02531652 1.4009677 0.541540046 1.04256811 -0.5263446

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| | | | | | | |
|----|----------------|--------------|--------------|-------------|--------------|-------------|
| ## | | NP_963848 | NP_116045 | NP_004299 | NP_079092 | NP_065777 |
| ## | AO.A12D.01TCGA | -0.5192232 | -0.53827223 | 0.7456298 | -0.6792348 | 0.63895540 |
| ## | C8.A131.01TCGA | 0.2297890 | -0.49478170 | 0.2783636 | 0.6021940 | -0.56764355 |
| ## | AO.A12B.01TCGA | -1.0367485 | -1.69081633 | -0.4270242 | 0.5429916 | 0.43213266 |
| ## | BH.A18Q.02TCGA | 1.9550115 | 0.17526836 | -0.3098120 | -0.2730128 | 0.40944509 |
| ## | C8.A130.02TCGA | -0.8712445 | 0.01759996 | 0.2143921 | -0.2579090 | -0.04143768 |
| ## | C8.A138.03TCGA | 1.2766250 | 0.42451159 | 0.6000543 | 1.2217679 | -2.50119974 |
| ## | | NP_060117 | NP_003839 | NP_653302 | NP_002386 | NP_060595 |
| ## | AO.A12D.01TCGA | -1.7840762 | -0.6639956 | 1.115180 | 0.6999122 | -1.9288486 |
| ## | C8.A131.01TCGA | 0.8491148 | 0.1933581 | -1.077677 | -1.0979160 | -0.7255109 |
| ## | AO.A12B.01TCGA | -2.6719181 | 0.4626189 | 1.122230 | -1.7767320 | 0.5429916 |
| ## | BH.A18Q.02TCGA | -0.6978763 | 0.5064612 | NA | 0.6503126 | 1.1387383 |
| ## | C8.A130.02TCGA | 0.6473348 | -1.3730644 | NA | 1.2377112 | -0.4251823 |
| ## | C8.A138.03TCGA | -0.5775445 | 1.1266823 | NA | -1.9562860 | -1.5759435 |
| ## | | NP_056155 | NP_055758 | NP_055850 | NP_000364 | NP_005535 |
| ## | AO.A12D.01TCGA | 0.3570303 | 1.06946260 | -0.42397829 | -0.8049581 | -1.4831022 |
| ## | C8.A131.01TCGA | -0.1426161 | 0.54552370 | 0.31074661 | -0.8307558 | -1.3407888 |
| ## | AO.A12B.01TCGA | 1.0030563 | -0.49353961 | -0.52125435 | -0.1692772 | 1.7374969 |
| ## | BH.A18Q.02TCGA | 0.6235495 | 0.82427244 | -0.01876379 | 0.4495897 | -1.0023061 |
| ## | C8.A130.02TCGA | 0.4079044 | 0.41774396 | 0.21439209 | 0.5489387 | -0.5170187 |
| ## | C8.A138.03TCGA | 0.6183400 | 0.07342623 | 1.64965321 | -0.9834870 | -1.5686293 |
| ## | | NP_055720 | NP_001243239 | NP_037399 | NP_002331 | NP_004821 |
| ## | AO.A12D.01TCGA | -0.6182780 | -0.6754250 | -4.1271021 | 0.09415427 | -0.3858803 |
| ## | C8.A131.01TCGA | -0.7417024 | -0.7295588 | -4.5102796 | 0.41194363 | -1.1060117 |
| ## | AO.A12B.01TCGA | -0.5766838 | -0.9563758 | -3.0488385 | 1.29683251 | -0.1332480 |
| ## | BH.A18Q.02TCGA | 3.0255337 | 3.0255337 | 1.2491359 | -0.42355499 | -1.0825952 |
| ## | C8.A130.02TCGA | -1.3894638 | -1.3697846 | -0.8384458 | 1.51650003 | 4.6750138 |
| ## | C8.A138.03TCGA | 1.6752532 | 0.8414255 | 3.5989084 | 0.08439765 | 0.6256542 |
| ## | | NP_660202 | NP_005427 | NP_006586 | NP_001136402 | NP_055385 |
| ## | AO.A12D.01TCGA | -1.7307391 | 0.1855894 | -0.3287333 | -0.3287333 | 1.5685462 |
| ## | C8.A131.01TCGA | 1.7679837 | 0.3674169 | -0.2195258 | -0.1911906 | 1.0029342 |
| ## | AO.A12B.01TCGA | 0.7203659 | -1.3665539 | -0.2302496 | -0.2136208 | 2.2086474 |
| ## | BH.A18Q.02TCGA | 1.5836741 | -0.4101735 | 0.7339471 | 0.6670395 | -0.1759967 |
| ## | C8.A130.02TCGA | -2.9375619 | 0.5325394 | 0.9654821 | 0.9654821 | 0.3718258 |
| ## | C8.A138.03TCGA | -0.3105734 | -0.5702303 | -0.4751446 | -0.5044018 | -1.2943438 |
| ## | | NP_115765 | NP_009032 | NP_004725 | NP_001182345 | NP_835365 |
| ## | AO.A12D.01TCGA | -0.69066416 | -1.2735633 | -1.7955056 | -2.847010 | -1.7307391 |
| ## | C8.A131.01TCGA | -0.48668593 | 0.4078958 | 0.1933581 | -1.053389 | 0.8653063 |
| ## | AO.A12B.01TCGA | 1.35780494 | -1.3914971 | 4.9828928 | 5.623103 | 5.5150157 |
| ## | BH.A18Q.02TCGA | -0.73802089 | -0.8283462 | -1.1796113 | -2.464238 | 0.2722844 |
| ## | C8.A130.02TCGA | 0.04055904 | 0.9326834 | -2.9769203 | -3.291788 | -2.5702166 |
| ## | C8.A138.03TCGA | 0.99502530 | -2.5085140 | -2.9217707 | -3.075371 | -2.7023424 |
| ## | | NP_001182359 | NP_079523 | NP_009208 | NP_003397 | NP_006752 |
| ## | AO.A12D.01TCGA | 1.2675721 | 0.84849430 | 0.16654043 | 0.6656240 | -0.83543649 |
| ## | C8.A131.01TCGA | 1.0596046 | -0.04951479 | 0.55361947 | 0.2905072 | -0.11428089 |
| ## | AO.A12B.01TCGA | 4.5089707 | 0.05521221 | 0.57902078 | -0.5739124 | 1.51577895 |
| ## | BH.A18Q.02TCGA | -3.1232782 | 0.25221214 | -0.27301281 | -0.1826875 | -0.03214531 |
| ## | C8.A130.02TCGA | -3.2917877 | 0.84084705 | -0.06111689 | 0.3980648 | 0.08647721 |
| ## | C8.A138.03TCGA | -0.7274872 | 0.34405453 | 0.85239688 | 0.9877110 | 0.76828267 |
| ## | | NP_006817 | NP_036611 | NP_003395 | NP_003396 | NP_006133 |
| ## | AO.A12D.01TCGA | 0.5856182 | 0.37607933 | 0.4027479 | -0.1458630 | -1.2202261 |
| ## | C8.A131.01TCGA | 0.2824114 | 0.07596952 | 0.2986030 | 0.4200394 | 0.6183856 |
| ## | AO.A12B.01TCGA | -1.0395200 | 0.22981507 | -0.1360195 | 0.1438994 | -0.0916759 |
| ## | BH.A18Q.02TCGA | -0.2562859 | -1.23313740 | -0.2730128 | 0.4663166 | 0.7071841 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|------------|--------------|
| ## | C8.A130.02TCGA | 0.8113282 | 0.28326934 | 0.4013446 | 0.3127882 | 0.2340713 |
| ## | C8.A138.03TCGA | 0.9182254 | 0.05879768 | 1.1632537 | 0.2270261 | 2.3042811 |
| ## | | NP_002930 | NP_006074 | NP_006182 | NP_037377 | NP_004860 |
| ## | A0.A12D.01TCGA | 0.2084482 | 0.040817090 | -0.8621051 | -0.7287621 | -0.4163587 |
| ## | C8.A131.01TCGA | 1.1162749 | -0.454302886 | -0.8752825 | -0.4583508 | 0.3228903 |
| ## | A0.A12B.01TCGA | 1.4354062 | 0.199328855 | 0.3295881 | 0.3600743 | 0.2630728 |
| ## | BH.A18Q.02TCGA | -0.3231935 | -0.002036877 | -0.2061052 | 0.3325013 | 0.7105295 |
| ## | C8.A130.02TCGA | -1.4255423 | 0.804768490 | -0.2743084 | -0.4186226 | 1.3229878 |
| ## | C8.A138.03TCGA | -0.2703448 | 0.113654764 | 0.2782260 | 0.4647401 | -0.9359442 |
| ## | | NP_001036227 | NP_006591 | NP_001728 | NP_003452 | NP_054774 |
| ## | A0.A12D.01TCGA | -0.7554307 | -0.1801512 | 1.1570880 | 1.1761369 | -0.5763702 |
| ## | C8.A131.01TCGA | -0.3652495 | -0.9279050 | 0.7600614 | 1.7963189 | -0.6283618 |
| ## | A0.A12B.01TCGA | 0.5152769 | 0.5374487 | -2.0926800 | -1.0312055 | 0.8201390 |
| ## | BH.A18Q.02TCGA | 1.3193890 | -1.1160490 | -0.1492337 | -0.2629767 | -1.5643302 |
| ## | C8.A130.02TCGA | 0.7358912 | 0.5751777 | 1.0048405 | -0.1398337 | -0.2152707 |
| ## | C8.A138.03TCGA | -0.1350307 | 0.7390256 | -2.1098858 | 0.2087404 | 1.2473679 |
| ## | | NP_006203 | NP_001018063 | NP_004557 | NP_004558 | NP_002616 |
| ## | A0.A12D.01TCGA | 0.3684597 | 0.3532205 | 1.6028343 | -0.1649120 | 0.1589208 |
| ## | C8.A131.01TCGA | -0.3328665 | -0.3328665 | 0.9057851 | -1.1586342 | -1.1586342 |
| ## | A0.A12B.01TCGA | -0.5212544 | -0.5212544 | -0.2108493 | -1.1420645 | -1.1420645 |
| ## | BH.A18Q.02TCGA | 1.1086299 | 1.1922644 | 1.4398227 | -0.4469727 | 1.7409071 |
| ## | C8.A130.02TCGA | 2.1724738 | 2.0084804 | 1.2934690 | 1.1327554 | 2.7661301 |
| ## | C8.A138.03TCGA | 0.7865684 | 0.6110257 | -0.2520592 | 1.1157109 | 1.1157109 |
| ## | | NP_060598 | NP_002477 | NP_004199 | NP_665811 | NP_006654 |
| ## | A0.A12D.01TCGA | -0.1839610 | 0.2541658 | 0.56656924 | 0.6046672 | 1.6333127 |
| ## | C8.A131.01TCGA | -1.5796138 | -0.8509952 | -0.39763255 | -0.3935847 | 1.2862859 |
| ## | A0.A12B.01TCGA | -0.8510597 | -0.9730046 | 0.65939352 | 0.6011926 | -0.6043986 |
| ## | BH.A18Q.02TCGA | -0.1860329 | 0.4194812 | -0.29643048 | -0.3432658 | 0.6001319 |
| ## | C8.A130.02TCGA | 0.8113282 | -0.3300661 | 0.38822514 | 0.3849453 | 1.2245917 |
| ## | C8.A138.03TCGA | -0.3581162 | 0.2233689 | 0.05879768 | 0.1611976 | 2.3298811 |
| ## | | NP_001632 | NP_006764 | NP_006293 | NP_892116 | NP_446464 |
| ## | A0.A12D.01TCGA | -1.38785722 | -0.1687218 | 1.0123156 | 0.5475202 | 4.8678314 |
| ## | C8.A131.01TCGA | -1.09386807 | 0.6871995 | 1.2741423 | -0.1871427 | -0.9602880 |
| ## | A0.A12B.01TCGA | -0.18590601 | -1.7850464 | -0.7873158 | -0.5545120 | 2.1670753 |
| ## | BH.A18Q.02TCGA | -0.72463936 | -0.5172257 | 0.5532965 | -1.4037519 | -0.3834104 |
| ## | C8.A130.02TCGA | 1.82480771 | 0.8703659 | -0.7006913 | 0.6342153 | -2.7899678 |
| ## | C8.A138.03TCGA | 0.09536907 | -1.1224583 | 0.2489689 | 0.9986824 | 2.4688524 |
| ## | | NP_001138890 | NP_077740 | NP_077741 | NP_002194 | NP_000421 |
| ## | A0.A12D.01TCGA | -0.008710286 | 1.37805625 | -0.2182492 | 0.7494395 | -0.42778808 |
| ## | C8.A131.01TCGA | 0.719582584 | 1.58582910 | -0.2154779 | 0.5455237 | 0.30265085 |
| ## | A0.A12B.01TCGA | -0.371594764 | -3.09041064 | -0.7568296 | -1.1559219 | 0.52081982 |
| ## | BH.A18Q.02TCGA | 0.335846691 | -0.07563528 | 1.0985938 | 0.1786137 | 0.25890291 |
| ## | C8.A130.02TCGA | 0.047118782 | -2.71781067 | -1.6748124 | -2.3701446 | -0.05127728 |
| ## | C8.A138.03TCGA | -0.208173483 | -0.26303057 | 3.6866797 | 1.0645109 | 0.47571154 |
| ## | | NP_068756 | NP_004896 | NP_001191354 | NP_000114 | NP_001970 |
| ## | A0.A12D.01TCGA | -0.02394948 | -1.55548834 | 0.4789439 | 0.4217969 | -0.2144394 |
| ## | C8.A131.01TCGA | 0.30669873 | -0.78218124 | 0.9381682 | 0.8531627 | -2.0977425 |
| ## | A0.A12B.01TCGA | -0.10276180 | -0.01407463 | -0.6210274 | -0.5600550 | 4.1209644 |
| ## | BH.A18Q.02TCGA | 0.98485077 | 0.31242902 | 0.8242724 | 0.8242724 | -1.4773503 |
| ## | C8.A130.02TCGA | 0.80148862 | 0.40134462 | -0.2119909 | -0.2119909 | -2.3767043 |
| ## | C8.A138.03TCGA | 1.11936803 | 0.39159734 | 1.1705680 | 1.1705680 | -0.9505727 |
| ## | | NP_001243412 | NP_060522 | NP_653205 | NP_073600 | NP_001867 |
| ## | A0.A12D.01TCGA | -0.1801512 | 0.75324935 | 0.66943379 | 1.5837853 | -0.366831313 |
| ## | C8.A131.01TCGA | -2.1584608 | 0.72767834 | 0.91388087 | 2.8528158 | -0.798372765 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | A0.A12B.01TCGA | 4.1181929 | -1.22798019 | -0.37713771 | -1.3831827 | -2.159195414 |
| ## | BH.A18Q.02TCGA | -1.4773503 | 0.55329651 | -0.54733412 | -1.0825952 | -3.491270158 |
| ## | C8.A130.02TCGA | -2.3767043 | -0.01191886 | 0.92940351 | -0.8909237 | -0.002079251 |
| ## | C8.A138.03TCGA | -1.0164012 | -0.32520194 | 0.03685484 | 0.7390256 | 3.211251637 |
| ## | NP_001138608 | NP_001229804 | NP_001116142 | NP_000283 | NP_006102 | |
| ## | A0.A12D.01TCGA | NA | -1.2507045 | 0.5208517 | 1.3399583 | -0.7935287 |
| ## | C8.A131.01TCGA | NA | -0.8307558 | 0.1285920 | 0.4483746 | 2.2577773 |
| ## | A0.A12B.01TCGA | NA | 0.6039640 | -0.8649171 | -0.2385640 | -0.3438800 |
| ## | BH.A18Q.02TCGA | NA | -1.0089968 | -0.1425429 | -0.5807879 | 0.8242724 |
| ## | C8.A130.02TCGA | NA | -1.4419417 | -0.7138108 | -0.2316701 | -0.2874278 |
| ## | C8.A138.03TCGA | 1.009654 | -0.7348015 | -0.8408586 | 0.5927400 | -1.4406294 |
| ## | NP_055617 | NP_997226 | NP_001265178 | NP_003926 | NP_004609 | |
| ## | A0.A12D.01TCGA | -1.10974196 | 0.25035599 | 0.566569237 | 0.8561139 | -0.4315979 |
| ## | C8.A131.01TCGA | -0.11428089 | 0.56171523 | 0.598146156 | 0.2014538 | 0.2014538 |
| ## | A0.A12B.01TCGA | 0.72868036 | 1.43817768 | 1.438177677 | 0.2104148 | -0.2939935 |
| ## | BH.A18Q.02TCGA | 0.09163381 | -0.06894451 | 0.001308505 | 0.4897343 | 0.3224652 |
| ## | C8.A130.02TCGA | -0.22511033 | 0.98516128 | 1.060598262 | -0.1988714 | 0.2668700 |
| ## | C8.A138.03TCGA | -0.83354428 | -0.10577359 | -0.109430725 | 0.7280541 | 0.2782260 |
| ## | NP_258411 | NP_037397 | NP_001006658 | NP_005130 | XP_003960256 | |
| ## | A0.A12D.01TCGA | -0.6982838 | 0.72277096 | -0.7744797 | -0.5497016 | -1.20117711 |
| ## | C8.A131.01TCGA | -0.9643359 | -0.04546691 | -0.2519088 | 5.4515554 | -0.81051641 |
| ## | A0.A12B.01TCGA | -1.4774128 | 0.62059288 | 1.4049200 | -2.3060835 | 0.03026895 |
| ## | BH.A18Q.02TCGA | 1.8780677 | 0.22210371 | -0.7748201 | -2.2066435 | 1.39967812 |
| ## | C8.A130.02TCGA | -0.6547732 | 0.29638882 | -0.5662167 | -3.7017713 | -1.65513316 |
| ## | C8.A138.03TCGA | 0.1831404 | -0.15331639 | 0.2855403 | -2.2634857 | 1.08279664 |
| ## | NP_004721 | NP_005683 | NP_004243 | NP_001025053 | NP_058197 | |
| ## | A0.A12D.01TCGA | 0.09796406 | -0.8201973 | -2.3898341 | 1.2561427 | 1.28281129 |
| ## | C8.A131.01TCGA | -0.85099522 | 0.2945551 | -3.6683203 | 0.4645661 | -2.27584930 |
| ## | A0.A12B.01TCGA | 0.77025247 | -0.6792284 | 2.5800249 | 0.1660712 | -0.05287527 |
| ## | BH.A18Q.02TCGA | 0.16523222 | -1.2498643 | -2.9058283 | 0.9881962 | 0.47300735 |
| ## | C8.A130.02TCGA | -0.71053093 | 1.0245197 | -1.3501054 | 0.2931089 | -0.65477315 |
| ## | C8.A138.03TCGA | -0.26668771 | -0.2045163 | 0.3074831 | -1.3089724 | 1.52531048 |
| ## | NP_002526 | NP_078966 | XP_003960891 | NP_114437 | NP_003602 | |
| ## | A0.A12D.01TCGA | 1.2828113 | -0.1306238 | -0.7135229 | 0.5322811 | -1.1326007 |
| ## | C8.A131.01TCGA | -2.0248807 | -0.7619418 | -5.0607914 | 0.1488314 | -1.0048147 |
| ## | A0.A12B.01TCGA | 0.1328135 | -1.7767320 | -5.2216740 | -2.0982230 | 1.3134614 |
| ## | BH.A18Q.02TCGA | 0.4796981 | 1.9048308 | 3.9956944 | 0.8209271 | -0.3666835 |
| ## | C8.A130.02TCGA | -0.6514933 | -2.3734244 | -1.9306421 | -0.9893198 | -0.6744524 |
| ## | C8.A138.03TCGA | 1.5253105 | 6.2649628 | 5.4859922 | -0.9249728 | 1.8434816 |
| ## | NP_055970 | NP_001238817 | NP_060102 | NP_112483 | NP_001164121 | |
| ## | A0.A12D.01TCGA | 0.46751448 | -0.3134941 | 0.15511104 | 0.06748568 | 0.09796406 |
| ## | C8.A131.01TCGA | 0.99483849 | -0.1830949 | -0.29238765 | 0.04358647 | 0.18526230 |
| ## | A0.A12B.01TCGA | -0.99794786 | 1.0169136 | -0.02238906 | -0.80948764 | -0.87046006 |
| ## | BH.A18Q.02TCGA | -0.06559913 | -0.3867558 | -0.91532612 | -0.34661121 | -0.40013732 |
| ## | C8.A130.02TCGA | 1.07699761 | 0.6112562 | 0.55877833 | 0.77524967 | 0.83756718 |
| ## | C8.A138.03TCGA | -0.18257351 | -0.9030299 | -0.18623065 | 0.12096904 | 0.17948327 |
| ## | NP_005722 | NP_066278 | NP_001258662 | NP_057732 | NP_001120792 | |
| ## | A0.A12D.01TCGA | 0.8751629 | 0.07891507 | 0.2732148 | 1.2637623 | 0.6846730 |
| ## | C8.A131.01TCGA | 1.1000834 | -0.24381308 | 0.5090928 | 0.6021940 | 0.0800174 |
| ## | A0.A12B.01TCGA | -1.2002655 | -1.96519224 | -1.3970401 | 0.4487615 | 0.4515330 |
| ## | BH.A18Q.02TCGA | 0.9279793 | 0.10166996 | -0.5339526 | -0.1191252 | -0.4804265 |
| ## | C8.A130.02TCGA | -0.2185506 | 1.56241820 | 1.7920090 | -0.1070351 | 0.3915050 |
| ## | C8.A138.03TCGA | 0.7755970 | -0.16794495 | -0.6250873 | -0.6726302 | -0.7274872 |
| ## | NP_055662 | NP_001245321 | NP_006319 | NP_001185765 | NP_003144 | |

```

## A0.A12D.01TCGA 0.9208805 -0.34778232 0.27702458 0.09415427 -0.3096843
## C8.A131.01TCGA 0.1164483 0.03953859 -0.11428089 -0.46644653 -1.0088626
## A0.A12B.01TCGA 0.4515330 0.98088449 0.59287815 0.58456372 -0.5323402
## BH.A18Q.02TCGA -0.4804265 -0.16930597 0.24886676 0.65700335 0.9748146
## C8.A130.02TCGA 0.3291875 3.02195984 1.71657203 1.82152784 -1.9798402
## C8.A138.03TCGA -0.7201730 -0.76405864 -0.02897366 0.32942597 0.2928546
## NP_001171551 NP_006712 NP_060634 NP_001186848 NP_056414
## A0.A12D.01TCGA -0.3363529 -0.13824342 -0.7516209 0.34560094 0.34560094
## C8.A131.01TCGA -1.0371977 -0.34096222 -0.4219198 0.66291225 0.64672073
## A0.A12B.01TCGA -0.4381101 -0.07227559 0.2519869 1.02522807 1.05848576
## BH.A18Q.02TCGA 0.9547423 -0.33322968 0.5332242 -0.05556299 -0.05556299
## C8.A130.02TCGA -1.9470415 1.16555407 0.8211678 -0.99915939 -0.99915939
## C8.A138.03TCGA 0.2782260 -0.26303057 -0.1496593 0.20874038 0.20142610
## NP_000706 NP_002708 NP_060931 NP_858061 NP_870991
## A0.A12D.01TCGA -0.8354365 -1.4907218 -1.7421685 -1.4754826 -1.1745085
## C8.A131.01TCGA 2.4642193 -2.0613116 -1.8427260 -2.6887332 -2.0613116
## A0.A12B.01TCGA -2.8215777 2.7518563 2.1476750 3.7218722 2.4275939
## BH.A18Q.02TCGA -0.7279847 -0.3466112 -0.3265389 -0.7179486 -0.9454346
## C8.A130.02TCGA 0.4341433 -1.1401937 -0.3399057 -0.7925276 -0.7662887
## C8.A138.03TCGA -2.2488571 -0.1313736 0.2782260 0.2635975 0.9986824
## NP_006100 NP_036448 NP_002255 NP_002260 NP_056449
## A0.A12D.01TCGA -0.9802088 0.07891507 0.20463841 0.1208229 -1.4716728
## C8.A131.01TCGA -0.7821812 -0.74575031 -0.49073381 -0.7012236 -0.6809842
## A0.A12B.01TCGA 0.5125054 0.09678432 -0.12216212 -0.1332480 0.1134132
## BH.A18Q.02TCGA -0.9320530 0.05818000 -0.02545455 0.1384692 -0.8584546
## C8.A130.02TCGA 0.3685459 1.05731839 1.07699761 1.0671580 1.3065884
## C8.A138.03TCGA 0.1648547 -0.22645918 0.36234023 -0.1277164 3.0247375
## NP_068758 NP_003095 NP_001489 NP_001027392 NP_004703
## A0.A12D.01TCGA -0.2868256 -2.9689235 -0.3401627 -0.22205898 -0.001090689
## C8.A131.01TCGA 3.4559501 -3.2149577 0.7074389 -0.32881858 0.213597468
## A0.A12B.01TCGA -1.6852734 2.6215970 0.6178214 1.07788607 0.443218556
## BH.A18Q.02TCGA -1.0759045 -2.7552861 0.8677624 -0.41686423 -0.326538917
## C8.A130.02TCGA 0.6374952 1.9428830 -0.5530972 -0.01191886 0.171753799
## C8.A138.03TCGA 1.3424535 0.5159401 -1.2065725 0.27091175 -0.010687968
## NP_005952 NP_954712 NP_005712 NP_065178 NP_057371
## A0.A12D.01TCGA 3.43534725 0.09034447 0.5437104 0.2313070 -1.8907506
## C8.A131.01TCGA 0.06787375 2.98639590 1.9420426 2.2901604 2.7192358
## A0.A12B.01TCGA -1.13375008 -1.99844993 -0.5351117 -0.3189368 -1.1309786
## BH.A18Q.02TCGA -1.69814548 0.53656960 0.4328628 0.5164973 -1.8821415
## C8.A130.02TCGA -2.61941461 -0.37270443 -0.2546292 0.2111122 -0.4973395
## C8.A138.03TCGA 5.23730673 1.93125293 0.3038260 0.5232543 -2.3622285
## NP_003177 NP_056365 NP_663160 NP_663161 NP_115912
## A0.A12D.01TCGA 1.8161830 2.0409611 2.0409611 1.8199928 -0.4239783
## C8.A131.01TCGA 1.1810410 2.1646761 2.1646761 2.1646761 -0.1304724
## A0.A12B.01TCGA -2.8714642 -0.3799092 -0.3799092 -0.3189368 -1.3748683
## BH.A18Q.02TCGA 0.5098065 1.3294251 1.3294251 1.3294251 -0.8551093
## C8.A130.02TCGA -0.2972674 -0.5006193 -0.5006193 -0.5006193 0.6178160
## C8.A138.03TCGA 0.9401682 -1.0529726 -1.0529726 -1.1041726 1.2217679
## NP_149124 NP_071387 NP_006238 NP_001230280 NP_066956
## A0.A12D.01TCGA -0.50779385 -0.72114254 -0.2639668 -0.03918867 1.6828401
## C8.A131.01TCGA 0.59005039 -0.28024401 -0.3207228 -1.28007059 0.7398220
## A0.A12B.01TCGA -0.02238906 0.41550382 0.2991019 0.40441792 -0.2635073
## BH.A18Q.02TCGA -0.40348270 0.21541294 0.4127905 0.11505149 0.2287945
## C8.A130.02TCGA 0.86708600 0.13567524 0.2832693 -0.24478955 -0.4809401

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## C8.A138.03TCGA -1.54302928 -0.08017361 0.4062259 0.44645443 0.4793687
## NP_000052 NP_004521 NP_001121363 NP_056257 NP_848927
## A0.A12D.01TCGA 0.5970476 1.0199352 1.0199352 0.86754329 2.5095663
## C8.A131.01TCGA 1.2862859 1.7356007 1.7679837 0.29455509 2.0999100
## A0.A12B.01TCGA -1.6520157 -2.7328905 -2.7883200 -0.28567907 -0.8843174
## BH.A18Q.02TCGA 0.9982323 0.5934411 0.4763527 0.26224829 -0.7815108
## C8.A130.02TCGA -0.5858959 0.6538945 0.6670140 0.01759996 0.1881531
## C8.A138.03TCGA -0.6909159 0.9621110 0.9694253 1.11205376 0.6219971
## NP_006256 NP_001130038 NP_009034 NP_068761 NP_001091981
## A0.A12D.01TCGA -0.58018001 -4.9843067 -0.6678054 -0.3554019 0.04462689
## C8.A131.01TCGA -0.44620712 -0.3895368 -0.1304724 0.1690708 -0.35715374
## A0.A12B.01TCGA 0.05521221 -3.4534737 0.7674810 -0.2635073 -0.06396116
## BH.A18Q.02TCGA 1.24913594 3.2195659 0.1451599 -0.1626152 0.61685877
## C8.A130.02TCGA 0.46038226 0.9458029 -0.1988714 -0.8253263 -0.33990574
## C8.A138.03TCGA 0.18314041 -1.3236009 -0.4202876 0.1063405 -0.49343034
## NP_001230882 NP_006836 NP_115948 NP_002197 NP_001138468
## A0.A12D.01TCGA 0.07891507 -0.2182492 -0.279205955 -2.1688658 -3.2127505
## C8.A131.01TCGA -0.30048341 2.4561235 -0.126424530 -2.4458603 -3.3161547
## A0.A12B.01TCGA -0.06396116 -1.6104436 -0.000217265 -3.0793247 -3.3675580
## BH.A18Q.02TCGA 0.64362182 0.1819591 0.536569603 0.5131519 0.6703849
## C8.A130.02TCGA -0.38582391 0.5554985 0.506300423 -1.0877158 -1.4976995
## C8.A138.03TCGA -0.46051609 -1.6344578 -0.211830622 -1.0895440 -1.4369722
## NP_066952 NP_789845 NP_789842 NP_004416 NP_060649
## A0.A12D.01TCGA 1.0427940 0.6427652 0.4637047 0.3303618 -0.04299847
## C8.A131.01TCGA 0.4969491 -0.1264245 -0.5069253 -0.4826381 0.42813516
## A0.A12B.01TCGA 0.1716141 -0.7928588 -0.7734585 0.7009656 -0.33002266
## BH.A18Q.02TCGA 0.1384692 -1.1762659 -0.5506795 -1.8219246 1.03168612
## C8.A130.02TCGA 1.9133642 2.4939010 2.4873412 -0.5891758 0.82772757
## C8.A138.03TCGA -0.9944584 -0.2191449 -0.7384587 -1.2065725 0.37331164
## NP_001001936 NP_115939 NP_000017 NP_004452 NP_073613
## A0.A12D.01TCGA -0.5268428 -0.5268428 2.1666845 0.09415427 0.3036932
## C8.A131.01TCGA 0.4200394 0.4200394 0.2055017 -0.68503210 0.5414758
## A0.A12B.01TCGA -0.9009463 -0.9009463 1.0529428 0.91714059 -1.0173482
## BH.A18Q.02TCGA -0.2228321 -0.4101735 0.4127905 -0.48711725 0.3826820
## C8.A130.02TCGA -0.4514213 -0.4547012 0.4899011 0.84084705 0.5259796
## C8.A138.03TCGA -0.3508019 -0.3325162 -0.9981155 -1.63080062 0.2306832
## NP_060254 NP_005122 NP_008824 NP_006249 NP_001091982
## A0.A12D.01TCGA 1.4466326 -0.3249235 0.6008574 1.79332425 1.4199640
## C8.A131.01TCGA 1.2012804 -0.5757393 -0.3490580 0.04358647 0.2459805
## A0.A12B.01TCGA -0.2662788 -0.7512867 0.7425377 -1.00071933 -1.4801843
## BH.A18Q.02TCGA -0.7179486 0.5666780 0.1551961 0.54995113 0.4495897
## C8.A130.02TCGA -1.8617649 0.6473348 0.2471908 -0.14311361 -0.1234344
## C8.A138.03TCGA 1.3826821 0.1355976 0.5013115 0.54519719 0.5451972
## NP_055437 NP_659400 NP_060224 NP_000958 NP_005052
## A0.A12D.01TCGA 3.378200283 -0.26015697 -0.5687506 0.2008286 0.2579756
## C8.A131.01TCGA 0.217645348 0.02334706 0.1609750 2.2537295 -0.8145643
## A0.A12B.01TCGA -1.840475918 1.06402870 0.8921973 -0.5794553 -1.8016753
## BH.A18Q.02TCGA -0.002036877 0.20203142 -0.5439887 -0.9454346 -1.1227398
## C8.A130.02TCGA -1.146753485 0.09631682 -0.1135948 0.9654821 0.7686899
## C8.A138.03TCGA -0.255716292 0.04051198 0.5817686 -2.1318287 -2.3695427
## NP_065387 NP_004434 NP_004435 NP_004433 NP_004431
## A0.A12D.01TCGA NA 0.4065577 1.0046960 0.90945107 1.2142349
## C8.A131.01TCGA NA 0.8248275 1.2700944 1.50082360 1.1648495
## A0.A12B.01TCGA NA -1.7434743 -1.0866350 -1.86541918 -2.1453380

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```

## BH.A18Q.02TCGA 2.6441602 2.4702003 0.8677624 -1.78512541 -0.5707518
## C8.A130.02TCGA 0.5390991 -0.7859679 -1.0155587 0.06023826 0.3160680
## C8.A138.03TCGA 1.5435962 -1.5759435 0.4757115 -0.97982985 -0.9798298
## NP_004429 NP_004432 NP_115285 NP_001073917 NP_004422
## AO.A12D.01TCGA 0.9094511 0.07891507 0.03319749 0.9094511 0.18558942
## C8.A131.01TCGA 0.8248275 1.29033380 0.97459908 0.8248275 0.73172623
## AO.A12B.01TCGA -1.8654192 -2.87146420 -0.32447971 -1.8654192 -0.71802900
## BH.A18Q.02TCGA -5.6122423 3.64777473 0.68711179 2.7110678 0.98150539
## C8.A130.02TCGA -0.3595850 -0.65805302 1.29018908 -0.2874278 -1.01883860
## C8.A138.03TCGA -0.9798298 -0.97982985 -0.77137291 -1.5393721 -0.06188792
## NP_003650 NP_066576 NP_004678 NP_003492 NP_001245238
## AO.A12D.01TCGA -2.4850791 0.1932090 NA -0.8316267 0.09415427
## C8.A131.01TCGA -1.6119968 0.3471775 NA 1.0434131 0.99888637
## AO.A12B.01TCGA 0.2270436 -0.2163922 NA -2.3227124 -2.40862806
## BH.A18Q.02TCGA -0.1726514 0.3927182 -3.946242 -2.8824107 -0.93205303
## C8.A130.02TCGA -0.6416537 0.2340713 1.257390 -1.1073951 1.58865715
## C8.A138.03TCGA 1.7703388 -0.2557163 NA 0.5086258 -1.18828678
## NP_001244066 NP_008945 NP_008944 NP_001257384 NP_001245221
## AO.A12D.01TCGA 0.1398718 -0.4277881 0.1093935 0.87897269 -0.3668313
## C8.A131.01TCGA -0.0899936 -0.7336067 -0.6364575 1.44010539 -0.1426161
## AO.A12B.01TCGA 0.7369948 -1.3748683 -1.4774128 1.89547087 0.6954227
## BH.A18Q.02TCGA -0.5071895 0.3391921 -2.3605311 -0.09905295 0.5532965
## C8.A130.02TCGA -1.0647568 -0.2382298 -1.1861119 0.40790436 -0.7105309
## C8.A138.03TCGA 0.1136548 1.9787957 -0.5153732 3.02108040 -0.8408586
## NP_001245224 NP_004545 NP_001129494 NP_001265598 NP_775188
## AO.A12D.01TCGA -0.4506469 0.4027479 0.4027479 0.23892659 0.4332263
## C8.A131.01TCGA -0.8914740 1.0434131 1.0434131 -0.34096222 1.0596046
## AO.A12B.01TCGA 0.6954227 -0.8039447 -0.8039447 -0.73465784 -0.6487422
## BH.A18Q.02TCGA 0.9447062 -0.8985992 -0.9119807 0.77743710 0.2020314
## C8.A130.02TCGA -0.7039712 0.9064444 0.9589223 -0.58589591 -0.3202265
## C8.A138.03TCGA -0.8408586 0.2087404 0.4939972 -0.08017361 0.7829112
## NP_056126 NP_003715 NP_000848 NP_009215 NP_002813
## AO.A12D.01TCGA 1.6599813 NA 1.2713819 0.9437393 0.06367588
## C8.A131.01TCGA 0.6426728 NA 2.1201494 0.5252843 -0.87528250
## AO.A12B.01TCGA -0.5877697 NA 1.0612572 -0.6764569 -0.49631109
## BH.A18Q.02TCGA -0.2127959 3.42697953 -0.7815108 -0.3466112 -1.13612133
## C8.A130.02TCGA 0.2635901 0.08975708 -0.2087110 0.1028766 0.99500088
## C8.A138.03TCGA 1.3790249 NA -1.0346869 0.4720544 1.59479613
## NP_056975 NP_001106849 NP_079483 NP_001171821 NP_000523
## AO.A12D.01TCGA -1.19355751 -0.8735345 1.05803320 1.31709948 -1.6850215
## C8.A131.01TCGA -0.86718674 -0.4907338 -0.96838376 -0.88742615 -2.4580039
## AO.A12B.01TCGA -0.28013613 -2.5666021 1.05017133 0.84231079 3.3449517
## BH.A18Q.02TCGA 1.09859376 0.3525736 0.09163381 0.11505149 1.0316861
## C8.A130.02TCGA 0.25047065 -0.3956635 -0.33662588 -0.41206286 -0.8220465
## C8.A138.03TCGA 0.05514054 0.9474825 -0.03263080 -0.04360222 1.7995959
## NP_055929 NP_036561 NP_203740 NP_777635 NP_001069
## AO.A12D.01TCGA -0.4582665 -5.4833902 -5.677690 -0.3173039 -2.667949
## C8.A131.01TCGA 0.1771665 -5.2308024 -5.113414 -0.1669033 -2.923510
## AO.A12B.01TCGA -0.6681425 -2.1591954 -1.987364 -0.7817729 -3.913538
## BH.A18Q.02TCGA -0.2529405 -2.7920853 -3.190186 -2.7920853 -2.086210
## C8.A130.02TCGA -0.3333460 0.3619862 0.316068 -1.2221905 -3.918243
## C8.A138.03TCGA 1.1083966 -4.2237123 -3.953084 -4.2237123 -3.693427
## NP_001186763 NP_644810 NP_006400 NP_005711 NP_001177925
## AO.A12D.01TCGA -2.778434 0.3379813 -0.74400133 0.7303906 -0.99544801

```

```

## C8.A131.01TCGA -2.927558 -0.3571537 0.44837456 1.2781902 0.43623092
## A0.A12B.01TCGA -3.946796 -1.3388391 0.09124137 -0.9508328 -0.19699191
## BH.A18Q.02TCGA -2.029338 0.3525736 -0.18937826 1.0283407 0.01803541
## C8.A130.02TCGA -3.905123 1.0933970 0.69325295 -0.0283182 0.69325295
## C8.A138.03TCGA -3.795827 -0.8518300 -0.52268745 0.7682827 -0.52634459
## NP_000110 NP_001020366 NP_001257 NP_060504 NP_612398
## A0.A12D.01TCGA -2.359356 2.9324539 2.9324539 -0.7020936 0.4675145
## C8.A131.01TCGA 4.864613 1.2498550 1.4765363 0.2216932 1.5453503
## A0.A12B.01TCGA -1.172551 -2.8631498 -2.8880930 -0.4907681 0.8561682
## BH.A18Q.02TCGA -3.882680 2.2962405 2.2293328 0.1518507 -1.7650531
## C8.A130.02TCGA -3.603375 -0.8548452 -0.8712445 1.1557145 -0.4711005
## C8.A138.03TCGA -3.879941 -2.6877138 -2.6547996 -1.0127441 -0.7128587
## NP_001010872 NP_001231513 NP_057103 NP_001257572 NP_958815
## A0.A12D.01TCGA -0.31730394 -0.7516209 -0.6144682 -0.6144682 -0.7211425
## C8.A131.01TCGA -0.07380208 0.1488314 0.1893102 0.1609750 1.0596046
## A0.A12B.01TCGA -2.73843345 0.2741586 0.2713872 0.1716141 -0.5406547
## BH.A18Q.02TCGA -2.44416564 -1.8018523 -1.6881093 -1.7650531 -1.3468804
## C8.A130.02TCGA -2.77684831 1.3393871 1.3033086 1.3131482 1.3557865
## C8.A138.03TCGA 6.85376225 -0.3910304 -0.5738874 -0.4312590 -0.6506873
## NP_932068 NP_000746 NP_110430 NP_110437 NP_003728
## A0.A12D.01TCGA -2.0583817 0.02557790 0.8904021 1.38948564 -0.4887449
## C8.A131.01TCGA -1.0857723 -2.03297645 0.2216932 1.92989898 0.8126838
## A0.A12B.01TCGA 1.6876103 -0.01130316 -0.4713678 -0.14987685 -1.2362946
## BH.A18Q.02TCGA -1.1695751 -6.04379652 -0.5941695 2.29289508 -1.0926314
## C8.A130.02TCGA 2.8514067 -5.10883508 1.0769976 0.03399931 0.6571744
## C8.A138.03TCGA 0.8048541 5.22999246 0.3001689 0.64759708 1.3680535
## NP_066963 NP_001245185 NP_005808 NP_001157661 NP_001008707
## A0.A12D.01TCGA -0.1382434 -0.14967282 -0.3401627 -0.3858803 -0.1153846
## C8.A131.01TCGA 0.2297890 -0.07784996 1.7679837 1.6424994 0.2986030
## A0.A12B.01TCGA -0.5572835 -0.73188637 0.1300420 0.1134132 0.2852445
## BH.A18Q.02TCGA 0.2321399 0.53991499 -1.1729205 -1.0759045 0.4362081
## C8.A130.02TCGA 0.7293315 1.00812036 0.3160680 0.2570304 0.1291155
## C8.A138.03TCGA 1.0242824 1.02062528 -0.5373160 -0.5409731 1.5801676
## NP_001180197 NP_001186601 NP_001186600 NP_004032 NP_064647
## A0.A12D.01TCGA -0.83543649 0.28083438 0.18939922 -1.8107448 -1.7916958
## C8.A131.01TCGA -2.18679592 -0.03332327 -0.13047241 -1.4338901 -1.4379380
## A0.A12B.01TCGA 3.98239069 -1.26955230 -1.22798019 -0.3272512 -0.4519675
## BH.A18Q.02TCGA -0.04552684 -0.21614132 -0.23286823 -1.5409125 -1.5810571
## C8.A130.02TCGA -0.99587952 0.17831354 0.09303695 -0.8810841 -0.9466815
## C8.A138.03TCGA 0.46108298 -0.64703018 -0.67994444 -0.6433730 -0.6433730
## NP_004303 NP_000532 NP_001258137 NP_006835 NP_071904
## A0.A12D.01TCGA -1.1326007 -0.31730394 0.22368740 2.4219409 1.4009150
## C8.A131.01TCGA -1.1545863 0.45647032 0.78839656 0.5495716 0.7762529
## A0.A12B.01TCGA -0.7180290 -1.14760745 -2.07050825 -0.8566027 0.3656173
## BH.A18Q.02TCGA -1.9758122 0.69714793 -2.39398491 -0.9086354 0.3893728
## C8.A130.02TCGA -1.3599450 -0.01519873 -0.24806942 -0.5202985 -1.2254703
## C8.A138.03TCGA -0.6909159 -1.86120039 -0.06188792 1.5618819 1.8837101
## NP_008855 NP_003127 NP_060327 NP_000134 NP_055192
## A0.A12D.01TCGA -0.1992002 -0.2106296 -1.1821281 0.2579756 0.36084014
## C8.A131.01TCGA -0.1952385 -0.1871427 -1.3165015 -1.0776765 -0.32881858
## A0.A12B.01TCGA 0.4847907 0.6095070 1.7125536 1.2441745 -0.01130316
## BH.A18Q.02TCGA 0.3258105 -0.4436273 -1.7550170 0.4261720 -1.38033420
## C8.A130.02TCGA 1.0999567 0.4505427 0.8539665 -0.5694966 -0.16279283
## C8.A138.03TCGA -0.8298871 -0.4861161 3.4672514 -1.0127441 -0.42028755

```

| | NP_002573 | NP_006651 | NP_001132 | NP_066015 | NP_003106 |
|----|----------------|--------------|--------------|-------------|--------------|
| ## | | | | | |
| ## | AO.A12D.01TCGA | -1.22403590 | 0.02176810 | -4.660474 | -0.1572924 |
| ## | C8.A131.01TCGA | -1.25173543 | 0.27026780 | -5.287473 | 0.4240873 |
| ## | AO.A12B.01TCGA | -0.08336148 | 0.83399637 | -3.716764 | 0.3656173 |
| ## | BH.A18Q.02TCGA | 0.24886676 | -0.35999274 | -3.969660 | -0.6443502 |
| ## | C8.A130.02TCGA | 0.95564246 | 0.20127262 | 2.703813 | -1.0122789 |
| ## | C8.A138.03TCGA | 1.01696814 | -0.06920219 | -3.719027 | -0.2740020 |
| ## | | NP_997192 | NP_002817 | NP_443711 | NP_085058 |
| ## | AO.A12D.01TCGA | -0.4544567 | -2.7327160 | -0.7173327 | 0.8599237 |
| ## | C8.A131.01TCGA | 0.3066987 | -1.3529325 | -0.8469473 | 1.3389084 |
| ## | AO.A12B.01TCGA | -0.5877697 | -2.1342521 | 1.1721162 | 0.0358119 |
| ## | BH.A18Q.02TCGA | 0.1217423 | 1.4799673 | -1.2431735 | -0.5306072 |
| ## | C8.A130.02TCGA | -0.1332740 | -0.4645408 | -0.4874998 | -0.1431136 |
| ## | C8.A138.03TCGA | 0.6293114 | 1.7374246 | 0.8341112 | -0.9066871 |
| ## | | NP_006038 | NP_001175 | NP_003669 | NP_004227 |
| ## | AO.A12D.01TCGA | -0.10014544 | 1.52282858 | -0.19920019 | -0.6944740 |
| ## | C8.A131.01TCGA | -0.47049441 | 0.67505589 | 0.15692713 | -0.1466639 |
| ## | AO.A12B.01TCGA | 0.11895611 | -0.87600301 | -0.33279413 | 1.4520350 |
| ## | BH.A18Q.02TCGA | -0.34995659 | -0.09236219 | 1.03168612 | 0.4161359 |
| ## | C8.A130.02TCGA | 0.58829714 | -0.74004975 | 0.86708600 | 0.6112562 |
| ## | C8.A138.03TCGA | 0.01856914 | 0.11731190 | 0.07708337 | -0.6653159 |
| ## | | NP_001254507 | NP_659471 | NP_006614 | NP_001258752 |
| ## | AO.A12D.01TCGA | 0.9475491 | 2.1209669 | -2.0355229 | -1.94408775 |
| ## | C8.A131.01TCGA | 0.9988864 | 0.5171885 | 2.5856557 | -2.93970178 |
| ## | AO.A12B.01TCGA | -0.1360195 | -1.9596493 | -1.1254357 | 0.86725406 |
| ## | BH.A18Q.02TCGA | 0.7573648 | -2.2601696 | 1.3528428 | -0.56406103 |
| ## | C8.A130.02TCGA | -0.7498894 | -0.7892478 | -0.3891038 | -0.95652109 |
| ## | C8.A138.03TCGA | 0.5086258 | 1.9714815 | -1.4406294 | -0.01434511 |
| ## | | NP_001258753 | NP_001182220 | NP_004250 | NP_004277 |
| ## | AO.A12D.01TCGA | -1.963136744 | -1.96313674 | 0.73801016 | 1.33995826 |
| ## | C8.A131.01TCGA | -3.012563633 | -3.01256363 | -0.06570632 | 0.12859197 |
| ## | AO.A12B.01TCGA | 0.864482585 | 0.86448258 | -0.49353961 | 1.11391523 |
| ## | BH.A18Q.02TCGA | -0.560715647 | -0.57744256 | -0.51388030 | 1.03168612 |
| ## | C8.A130.02TCGA | -0.923722402 | -0.94012175 | 0.57189780 | 0.03399931 |
| ## | C8.A138.03TCGA | -0.007030829 | -0.01434511 | 0.22336894 | -0.34714477 |
| ## | | NP_001266284 | NP_001266282 | NP_001677 | NP_003648 |
| ## | AO.A12D.01TCGA | 0.44084590 | 0.5475202 | -0.4011195 | -1.635494 |
| ## | C8.A131.01TCGA | 0.11240044 | 0.1650229 | -0.9602880 | -5.481771 |
| ## | AO.A12B.01TCGA | 1.11114376 | 0.9559412 | 2.7379989 | -1.696359 |
| ## | BH.A18Q.02TCGA | -0.01207302 | 0.3425375 | 0.1117061 | -3.290547 |
| ## | C8.A130.02TCGA | -0.62525434 | -0.6252543 | -0.8089270 | -3.370505 |
| ## | C8.A138.03TCGA | 2.15433842 | 2.0592528 | -0.7530872 | 0.775597 |
| ## | | NP_000195 | NP_775853 | NP_000276 | NP_057022 |
| ## | AO.A12D.01TCGA | -0.1306238 | 0.7684885 | -1.2849927 | 0.7113416 |
| ## | C8.A131.01TCGA | 0.4402788 | 3.0997366 | 0.1569271 | -0.3207228 |
| ## | AO.A12B.01TCGA | -1.7601032 | -1.3000385 | 0.1134132 | 0.0773840 |
| ## | BH.A18Q.02TCGA | -0.6644225 | -2.4742741 | 1.0450676 | 0.4295174 |
| ## | C8.A130.02TCGA | 0.3062284 | 0.5686179 | 1.3754657 | 0.4439829 |
| ## | C8.A138.03TCGA | -2.0989144 | -1.6893148 | -1.3711437 | 0.7829112 |
| ## | | NP_006531 | NP_001092104 | NP_061900 | NP_659416 |
| ## | AO.A12D.01TCGA | 1.63331272 | 0.2503560 | 0.4294165 | 1.069463 |
| ## | C8.A131.01TCGA | 0.72363046 | -1.4176985 | -1.3650761 | -2.004641 |
| ## | AO.A12B.01TCGA | -0.05287527 | 1.1416300 | 1.1693447 | 1.080658 |
| ## | BH.A18Q.02TCGA | 0.34922822 | -1.4806957 | -1.4806957 | -2.176535 |

```

## C8.A130.02TCGA 1.91992391 0.7030926 0.7129322 1.726412 0.4767816
## C8.A138.03TCGA -3.04611347 -0.9542299 -0.9542299 -1.118801 -1.3711437
## NP_783161 NP_001002909 NP_857597 NP_919226 NP_757366
## A0.A12D.01TCGA 0.3379813 0.05224649 1.0008862 1.39710524 0.3608401
## C8.A131.01TCGA 0.7195826 0.16502290 0.3188424 0.94626392 1.0677003
## A0.A12B.01TCGA -1.0700062 0.37116024 -0.6321133 -2.65528924 -2.2063105
## BH.A18Q.02TCGA 2.4267104 -0.63431405 -6.1408126 -3.83918987 2.1958790
## C8.A130.02TCGA -0.9040432 0.86380613 1.3131482 -0.03487794 -1.1664327
## C8.A138.03TCGA -0.5921731 -0.13868784 2.6187951 2.12142417 -0.5336589
## NP_115949 NP_001116436 NP_056150 NP_005112 NP_001265557
## A0.A12D.01TCGA 0.06748568 0.2808344 -0.62589759 -1.19736731 -1.1706987
## C8.A131.01TCGA -0.12237665 0.2581242 -0.41382408 0.07596952 -1.1667299
## A0.A12B.01TCGA -0.30785086 -0.5489691 0.29910191 -0.84828827 -0.2247066
## BH.A18Q.02TCGA -0.22952284 -0.5239164 -0.59751485 -0.04887222 0.4897343
## C8.A130.02TCGA 0.20127262 -0.3235064 0.43086344 -0.45142129 1.3361072
## C8.A138.03TCGA 1.48508195 1.1705680 -0.09845931 1.65696749 -0.1240593
## NP_000169 NP_116021 NP_075045 NP_001238936 NP_064529
## A0.A12D.01TCGA -1.2583241 -0.6944740 0.2122580 -0.4011195 -1.0678342
## C8.A131.01TCGA 0.2662199 -0.5797872 -0.4907338 -0.4502550 -1.0007668
## A0.A12B.01TCGA 0.8866544 -0.5157114 -0.1277051 -0.5240258 -0.6348848
## BH.A18Q.02TCGA -0.4335911 -0.3733743 0.5365696 -0.3466112 -0.8584546
## C8.A130.02TCGA -0.2710285 0.5095803 0.6276556 1.0376392 0.2963888
## C8.A138.03TCGA -0.7786872 0.1173119 0.4281687 -0.2008592 -0.7421158
## NP_054868 NP_000265 NP_001165285 NP_056274 NP_001129145
## A0.A12D.01TCGA -0.1572924 -2.9651137 -2.9308255 2.3305058 0.9170707
## C8.A131.01TCGA 1.4360575 -1.9844019 -2.7656429 1.0798440 1.3712914
## A0.A12B.01TCGA -0.1526483 -0.2053063 -0.2274781 -0.1332480 -1.4330693
## BH.A18Q.02TCGA -0.3165028 -1.6613463 -1.8587238 -0.8383823 -0.1893783
## C8.A130.02TCGA -0.1824720 1.3984248 1.4312234 -0.4153427 -2.2914277
## C8.A138.03TCGA 0.1758261 -0.1972021 -0.3288591 1.6203961 0.9474825
## NP_056999 NP_542775 NP_004732 NP_057383 NP_057421
## A0.A12D.01TCGA -0.61065840 -2.237442 -1.6545431 -0.02013968 -2.3212578
## C8.A131.01TCGA 1.63035579 -1.875109 -0.6364575 -0.41787196 -2.4580039
## A0.A12B.01TCGA -0.19144896 -3.287185 -1.5855003 -0.07227559 1.3356331
## BH.A18Q.02TCGA -0.01876379 -3.036298 -3.9495875 -0.96216147 -0.3499566
## C8.A130.02TCGA -0.83516594 -1.399303 2.8317274 0.08975708 0.7850893
## C8.A138.03TCGA 3.14542313 -1.071258 1.1303395 -0.80428717 0.4062259
## NP_001230022 NP_004893 NP_001070819 NP_003053 NP_059119
## A0.A12D.01TCGA 0.5475202 0.05986608 -0.15729241 -0.1382434 5.4659697
## C8.A131.01TCGA 1.6829782 -0.71741515 -0.67693634 0.4159915 -0.1021372
## A0.A12B.01TCGA -2.8686927 0.46539035 0.04412632 2.0479019 0.1189561
## BH.A18Q.02TCGA 1.9918107 -0.11243448 0.30573825 -0.2562859 -2.3337680
## C8.A130.02TCGA -0.9368419 0.63749518 0.86380613 -0.2710285 -1.7797682
## C8.A138.03TCGA -0.3873733 -0.18623065 -0.06920219 0.1904547 -2.9766278
## NP_071330 NP_060742 NP_006337 NP_001124495 NP_001124496
## A0.A12D.01TCGA -0.4544567 NA -0.5535114 -0.53827223 -0.75543073
## C8.A131.01TCGA 1.2053283 NA 0.4321830 -0.79432488 -0.79837276
## A0.A12B.01TCGA -2.1869102 NA 2.1116458 1.46866389 0.95871270
## BH.A18Q.02TCGA 1.3729151 0.90790699 -0.4503180 0.72725637 0.83096321
## C8.A130.02TCGA -0.3530252 0.02087983 -0.7859679 -0.01191886 0.06023826
## C8.A138.03TCGA -0.2740020 1.75205311 0.5561686 -0.41663041 -0.41663041
## NP_000310 NP_065890 NP_002423 NP_060764 NP_002766
## A0.A12D.01TCGA -0.58398981 0.29607357 -1.1478399 -1.2964221 -1.7612174
## C8.A131.01TCGA -0.74979819 0.52933218 5.6863325 -0.1021372 -2.1706044

```

```

## A0.A12B.01TCGA 1.52409337 0.07184106 -2.0843656 -0.2219352 -2.9850946
## BH.A18Q.02TCGA 0.59344109 -0.37671964 0.4562804 -0.4469727 -1.3669527
## C8.A130.02TCGA -0.01191886 -0.31694666 -1.6551332 0.9622022 -0.6514933
## C8.A138.03TCGA -0.66165874 -0.06554506 -2.4170855 1.0718252 0.3879402
## NP_003293 NP_000403 NP_001073964 XP_003403435 NP_055399
## A0.A12D.01TCGA -0.24872757 -0.9649696 0.6427652 1.10756058 1.7133185
## C8.A131.01TCGA 0.74791775 2.2172985 0.1812144 1.98252143 2.6342303
## A0.A12B.01TCGA -0.08059001 -1.7989038 -0.3882236 -1.48572726 -1.5633285
## BH.A18Q.02TCGA -0.27635819 -0.1425429 -0.5038442 2.23936897 -1.3702981
## C8.A130.02TCGA -0.06111689 0.5456589 0.3455868 -0.17919217 -1.3271463
## C8.A138.03TCGA -0.57388740 -1.6125149 1.1632537 0.01125487 0.4976544
## NP_063944 NP_005794 NP_078994 NP_006364 NP_055615
## A0.A12D.01TCGA 1.3170995 0.9513589 -0.2182492 -0.92306184 0.6770534
## C8.A131.01TCGA 1.7841753 0.2419326 0.5090928 0.38360847 0.9624554
## A0.A12B.01TCGA -0.6459707 -0.1166192 1.2885181 0.28801602 -1.5245279
## BH.A18Q.02TCGA 0.6536580 -0.9956153 -0.7447116 -0.77147471 1.1521199
## C8.A130.02TCGA -0.6547732 -0.8646848 -0.1332740 -0.08735584 -0.2841480
## C8.A138.03TCGA 0.6293114 -0.9505727 0.2599403 -0.48977320 0.2526261
## NP_877496 NP_002729 NP_997700 NP_002728 NP_002730
## A0.A12D.01TCGA 0.8599237 0.0217681 0.0217681 0.3494107 0.4027479
## C8.A131.01TCGA 0.8855457 1.3146211 1.2498550 1.1122270 0.6831517
## A0.A12B.01TCGA -1.3055815 -2.4169425 -2.5194870 -2.1203948 -2.2506541
## BH.A18Q.02TCGA 0.3927182 1.9550115 2.3096220 0.9848508 1.2257183
## C8.A130.02TCGA 0.2307914 -1.0680366 -1.0647568 -1.2582690 -1.1172347
## C8.A138.03TCGA 1.1705680 -0.8262300 -0.8225729 -0.3837162 -0.8920585
## NP_001185688 NP_002340 NP_065098 NP_001243423 NP_001243424
## A0.A12D.01TCGA 0.2808344 0.9399295 -0.24872757 -0.9154422 -0.9154422
## C8.A131.01TCGA 0.5333801 0.1812144 -0.07380208 -0.2559567 -0.2559567
## A0.A12B.01TCGA -1.4774128 -1.6741875 0.90605469 -0.8122591 -0.8122591
## BH.A18Q.02TCGA 2.0219191 2.3263489 -0.19606903 1.2491359 1.2491359
## C8.A130.02TCGA -1.3435456 -1.5993754 -0.75972896 -0.6777322 -0.6777322
## C8.A138.03TCGA -0.7018873 -0.7018873 -0.91765848 0.2782260 0.3623402
## NP_000010 NP_004377 NP_071919 NP_006803 NP_001248349
## A0.A12D.01TCGA -0.8506757 NA 0.92088047 0.7570591 0.95135885
## C8.A131.01TCGA -0.4866859 NA -0.08189784 -0.1830949 -0.14666393
## A0.A12B.01TCGA 3.5472693 NA 0.47370477 -0.0279320 -0.05010379
## BH.A18Q.02TCGA -0.1358522 6.0464135 -0.83169158 -1.0156876 -0.61758714
## C8.A130.02TCGA -1.1992314 0.5194199 -0.95652109 -0.4415817 -0.43174207
## C8.A138.03TCGA -0.6616587 NA 0.17216899 0.8999397 0.87068257
## NP_003090 NP_001229862 NP_003091 NP_001265128 NP_056285
## A0.A12D.01TCGA -0.48874485 -0.47350566 -0.46207627 -0.47350566 0.6770534
## C8.A131.01TCGA 0.02739495 0.03549071 0.02334706 0.01120342 0.7600614
## A0.A12B.01TCGA 0.01641158 0.03304042 0.23812949 0.23258654 0.6843368
## BH.A18Q.02TCGA 0.57002342 0.49307964 0.92797928 0.92797928 -0.3934466
## C8.A130.02TCGA -0.58589591 -0.58589591 0.07335773 0.07335773 -0.1004753
## C8.A138.03TCGA -0.02897366 -0.03994508 0.13925474 0.15754043 0.3074831
## NP_057715 NP_037461 NP_000997 NP_001254628 NP_002204
## A0.A12D.01TCGA 0.9018315 0.7799179 1.1075606 1.1113704 2.7724424
## C8.A131.01TCGA 0.1043047 0.1043047 1.3874829 0.8086360 0.9988864
## A0.A12B.01TCGA -0.4187098 -0.5434261 -0.4464246 -0.3743662 -1.6049006
## BH.A18Q.02TCGA 0.7071841 0.9212885 -0.2061052 0.2589029 -2.9125191
## C8.A130.02TCGA 0.6374952 0.6374952 0.9786015 1.4082644 -0.2480694
## C8.A138.03TCGA -0.8152586 -0.7457729 -0.5665731 -0.4129733 2.3591382
## NP_000202 NP_000880 NP_078824 NP_055445 NP_002942

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## A0.A12D.01TCGA -0.03537887 -0.6944740 -1.6240647 -0.2639668 3.68679393
## C8.A131.01TCGA 3.48833314 2.6666133 -0.7862291 -0.8307558 1.44010539
## A0.A12B.01TCGA -2.36705596 -2.6774610 -1.2085799 0.1632997 -2.03170762
## BH.A18Q.02TCGA 1.32273434 1.3394612 -0.6476956 0.2923567 -0.00872764
## C8.A130.02TCGA -1.53377801 -1.5928157 -0.5071791 0.9851613 -2.49149972
## C8.A138.03TCGA -0.44223039 -0.9066871 0.5671400 -0.2520592 1.52531048
## NP_061887 NP_055430 NP_003900 NP_705898 NP_689940
## A0.A12D.01TCGA 0.3113128 1.1494684 0.4637047 0.376079329 0.5970476
## C8.A131.01TCGA 0.3714648 0.4281352 -0.7781334 1.015077891 2.1565803
## A0.A12B.01TCGA -1.0228911 0.1716141 0.7009656 -0.418709820 -0.9286610
## BH.A18Q.02TCGA -0.7079124 -1.5743664 -1.5844025 -2.046065194 0.6335857
## C8.A130.02TCGA 0.8277276 0.3882251 0.6440549 -0.008638989 -0.4251823
## C8.A138.03TCGA -0.8116014 0.6512542 -0.5446303 0.212397521 -1.0932012
## NP_065990 NP_705899 NP_006023 NP_570720 NP_004985
## A0.A12D.01TCGA 0.1360620 1.54949716 2.7229150 2.7229150 -2.679379
## C8.A131.01TCGA -0.1142809 -0.65264905 -0.6971757 -0.6971757 8.637238
## A0.A12B.01TCGA 0.9781130 0.95871270 2.6603977 2.6603977 -1.607672
## BH.A18Q.02TCGA -2.6381978 -2.04606519 -2.9994990 -3.9730051 -3.618395
## C8.A130.02TCGA 0.5456589 0.06679799 0.3062284 0.5522186 -5.440102
## C8.A138.03TCGA -0.5190303 -1.41868655 -1.1590297 0.2745689 -5.620739
## NP_001686 NP_065750 NP_060130 NP_001248763 NP_005849
## A0.A12D.01TCGA 0.16273063 0.5513300 0.07891507 1.54568737 0.3075030
## C8.A131.01TCGA 0.84911477 0.5171885 0.52123642 0.16097501 0.5819546
## A0.A12B.01TCGA -0.04733232 0.1161846 -0.57391236 -0.08059001 -0.2884505
## BH.A18Q.02TCGA 0.45628044 0.3090836 0.06152538 -0.33657506 -0.4402819
## C8.A130.02TCGA -0.37926417 -0.1463935 2.01176023 1.50338056 1.4476228
## C8.A138.03TCGA -0.27034485 -0.1460021 -0.07651647 0.42451159 -0.7421158
## NP_976240 NP_005889 NP_000424 NP_055055 NP_005727
## A0.A12D.01TCGA -0.3439725 -0.3401627 0.155111 1.19137614 -0.58018001
## C8.A131.01TCGA -0.5069253 -0.4907338 3.370945 -0.04951479 0.35527330
## A0.A12B.01TCGA 0.4016464 0.4432186 -2.267283 0.32958813 -0.18867749
## BH.A18Q.02TCGA -0.4302458 -0.4269004 2.560526 -0.35330197 -0.04552684
## C8.A130.02TCGA 1.3754657 1.3361072 -1.159873 -0.32350640 -0.29398758
## C8.A138.03TCGA 0.2489689 0.2453118 -1.224858 0.62565425 0.57811144
## NP_005726 NP_055227 NP_004220 NP_061330 NP_001661
## A0.A12D.01TCGA -0.5497016 0.7608689 -0.08490625 0.8103963 0.2579756
## C8.A131.01TCGA 0.3066987 -0.2033343 -0.87123462 0.5050449 1.1446101
## A0.A12B.01TCGA 0.3600743 -0.2413355 -0.37159476 1.2358601 1.7236395
## BH.A18Q.02TCGA 0.4529351 -0.4269004 0.27562982 -1.6780732 0.3693005
## C8.A130.02TCGA -0.5629368 -0.2907077 0.57845754 -0.3005473 -0.1004753
## C8.A138.03TCGA 0.1246262 0.2050832 0.27091175 -0.7165158 0.4866830
## NP_001176 NP_110420 NP_060681 NP_000240 NP_002511
## A0.A12D.01TCGA -1.18593792 -0.2906354 -1.82598401 0.13606204 -0.58779961
## C8.A131.01TCGA 0.41194363 -1.0007668 -1.66057140 -0.07784996 -1.68485869
## A0.A12B.01TCGA 2.03127309 0.8367678 0.63999320 0.19655738 0.03858337
## BH.A18Q.02TCGA 2.34642119 -0.7647839 0.05148923 -0.53060721 -0.97219762
## C8.A130.02TCGA -0.06439676 -0.6744524 -0.21199086 0.17175380 0.07663760
## C8.A138.03TCGA -1.53571500 0.7426827 -1.33457235 0.15388329 -0.91400134
## NP_001092902 NP_057297 NP_005713 NP_056075 NP_002818
## A0.A12D.01TCGA 0.14368164 0.13225225 0.75705915 1.9380966 -0.2563472
## C8.A131.01TCGA -0.86718674 0.59005039 1.94609050 0.2338369 -0.9562401
## A0.A12B.01TCGA -0.64319920 -0.07781853 -0.65982805 -1.0533773 -2.0427935
## BH.A18Q.02TCGA 0.21541294 0.80420015 0.90456161 -0.1458883 -1.2599005
## C8.A130.02TCGA 0.03399931 0.18159341 0.09959668 0.2471908 -0.6875718

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## C8.A138.03TCGA -0.47148750 0.54154005 0.33308311 -0.5994874 1.6862246
## NP_001073333 NP_006015 NP_071745 NP_056271 NP_060206
## A0.A12D.01TCGA 0.1893992 0.1893992 -4.3556900 0.1703502 -1.54786874
## C8.A131.01TCGA 0.2378848 0.2378848 -0.2802440 -0.4178720 -1.47436888
## A0.A12B.01TCGA 0.5873352 0.5873352 0.6621650 -0.1360195 0.11618464
## BH.A18Q.02TCGA -2.2768965 -2.2768965 2.7378309 -0.4369365 0.08494305
## C8.A130.02TCGA -0.8286062 -0.8286062 -0.3563051 0.8047685 0.77196980
## C8.A138.03TCGA -0.5848588 -0.6104588 0.1721690 0.2965117 0.81948262
## XP_003960669 NP_071751 NP_008949 NP_006497 NP_056418
## A0.A12D.01TCGA -0.70209355 0.9627882 -0.63351718 2.03334153 0.7303906
## C8.A131.01TCGA -0.19928639 4.1319462 0.39979999 0.39170423 -0.1304724
## A0.A12B.01TCGA 0.25752981 -2.3753704 -0.96746165 -0.91203217 -0.6847713
## BH.A18Q.02TCGA -0.02879993 -0.9220169 0.02472618 2.27282279 -3.4176718
## C8.A130.02TCGA 0.41446409 1.3262676 0.11271616 -0.43174207 0.7490107
## C8.A138.03TCGA 0.84508260 0.4354830 1.17788226 0.09902621 2.4615381
## NP_006217 NP_001137854 NP_006333 NP_073587 NP_055919
## A0.A12D.01TCGA -1.1783183 0.08653467 0.1360620 0.5094223 -0.11157484
## C8.A131.01TCGA -1.8710612 1.29033380 1.6748825 -0.4664465 -0.99671893
## A0.A12B.01TCGA -0.5822268 -0.43811014 -1.1143498 -0.4963111 -0.03624642
## BH.A18Q.02TCGA -1.4405511 0.26893905 -0.7012217 0.6469672 -1.51080410
## C8.A130.02TCGA -2.2127109 -0.98276004 1.0769976 -0.8876438 1.43122344
## C8.A138.03TCGA -1.9453146 -0.97251557 -0.6470302 0.7792541 0.55251146
## NP_055693 NP_055134 NP_002736 NP_002737 NP_002739
## A0.A12D.01TCGA -0.66018577 1.6904597 0.69229258 -0.55351142 2.334316
## C8.A131.01TCGA 0.19740594 0.8572105 0.05977799 -0.02927539 1.488680
## A0.A12B.01TCGA -2.07605120 -2.0178502 0.24367244 0.15221380 -1.543928
## BH.A18Q.02TCGA -0.23286823 -0.4971534 1.06848532 0.89787084 1.128702
## C8.A130.02TCGA -0.31038692 0.3127882 -0.31038692 -0.40878299 -0.257909
## C8.A138.03TCGA 0.03685484 1.4229106 -0.11308786 1.09376806 1.708167
## NP_002738 NP_006843 NP_036422 NP_001130026 NP_001130027
## A0.A12D.01TCGA 2.1781139 -1.2011771 -0.7668601 -0.7668601 -0.7744797
## C8.A131.01TCGA 0.8491148 -0.8671867 -0.2721482 -0.2721482 -0.3085792
## A0.A12B.01TCGA -1.5383853 -0.5267973 -0.8593742 -0.8593742 -0.9231181
## BH.A18Q.02TCGA 1.1287022 0.3258105 0.7339471 0.7339471 1.1119753
## C8.A130.02TCGA -0.2579090 0.6079764 1.9232038 1.9232038 2.0642381
## C8.A138.03TCGA 1.7081674 0.7499970 0.5817686 0.5817686 0.5817686
## NP_055581 NP_065883 NP_060651 NP_009145 NP_006136
## A0.A12D.01TCGA -0.3287333 -0.10395524 0.64276520 3.3667709 1.0999410
## C8.A131.01TCGA -0.1709512 0.60219404 1.54535029 0.4402788 -0.1304724
## A0.A12B.01TCGA -0.1942204 0.34344550 -1.30835293 -0.8787745 0.8450823
## BH.A18Q.02TCGA 0.5365696 -0.04218146 0.30908364 0.5700234 -1.5810571
## C8.A130.02TCGA -1.5370579 0.77852954 -0.03487794 -2.1930317 2.2610303
## C8.A138.03TCGA -0.3069162 1.06451095 1.04988239 0.6951399 -1.3748009
## NP_008965 NP_001002762 NP_055475 NP_005026 NP_079440
## A0.A12D.01TCGA 0.6618142 2.3533646 1.2561427 0.08272487 -0.4468371
## C8.A131.01TCGA 0.6426728 1.1203228 -0.2438131 -0.43001560 -0.7336067
## A0.A12B.01TCGA -0.7429723 -0.7845444 0.2048718 -0.29953644 2.4303653
## BH.A18Q.02TCGA 0.1919953 -1.0457960 0.5064612 0.73394713 0.4362081
## C8.A130.02TCGA -0.1857519 0.5882971 0.3029486 0.73917111 -1.7174507
## C8.A138.03TCGA -2.3878284 2.6407379 0.1575404 -2.01114309 -0.2484020
## NP_000032 NP_005038 NP_001036010 NP_037518 NP_066974
## A0.A12D.01TCGA -1.0525950 0.5132321 -0.4506469 -0.3325431 0.4370361
## C8.A131.01TCGA -1.0048147 0.0800174 -2.5875361 -1.1383948 -1.1788736
## A0.A12B.01TCGA -3.8054509 -0.8981748 -1.1226642 -1.2030369 -0.7152575

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## BH.A18Q.02TCGA -2.9192099 -0.7480570 -2.3270773 -1.6312378 -2.8355753
## C8.A130.02TCGA 1.7329714 0.1127162 -0.9827600 0.3390271 -0.4186226
## C8.A138.03TCGA -0.4349161 -0.7896586 -1.5722864 -0.2191449 1.2619965
## NP_065173 NP_055398 NP_060941 NP_694540 NP_076427
## AO.A12D.01TCGA -1.0868832 0.8218257 -0.2258688 1.32090927 4.8106844
## C8.A131.01TCGA 0.2216932 2.3549265 -0.1142809 -0.08189784 0.9907906
## AO.A12B.01TCGA -1.7961323 -2.9019504 -0.4658249 -1.89313392 -1.1808651
## BH.A18Q.02TCGA -1.0692137 0.1585415 -0.5807879 -0.91532612 -0.4536634
## C8.A130.02TCGA -1.3533852 -0.1496734 0.9622022 0.05367852 4.5241398
## C8.A138.03TCGA 1.4119392 0.1282833 -0.1862306 0.98771102 -1.2138868
## NP_036433 NP_001061 NP_057521 NP_002797 NP_001186127
## AO.A12D.01TCGA -1.2811829 -0.27539616 -0.36302152 -0.4049293 -0.44302728
## C8.A131.01TCGA -1.1626820 0.02334706 0.07596952 0.3836085 -0.28024401
## AO.A12B.01TCGA 4.5117422 1.87052760 1.91487118 0.5928781 0.64830762
## BH.A18Q.02TCGA 1.3963327 -0.58413332 -0.39010117 -0.7179486 0.17861374
## C8.A130.02TCGA -0.7269303 -0.39238365 -0.37598430 0.5784575 0.01759996
## C8.A138.03TCGA -0.3727447 0.30016886 -0.02165938 -0.7713729 0.32211170
## NP_036232 NP_001116295 NP_004675 NP_000544 NP_055483
## AO.A12D.01TCGA -1.2468947 -0.2639668 -0.3477823 -0.6982838 -1.8793212
## C8.A131.01TCGA -2.5551531 -0.2802440 -0.3085792 -1.4622252 -1.9155879
## AO.A12B.01TCGA 0.0247260 -0.3217082 -0.2163922 0.7841098 -0.2163922
## BH.A18Q.02TCGA -0.3332297 0.2823206 -0.4402819 -0.0722899 -3.3106195
## C8.A130.02TCGA -1.1795522 0.0766376 0.1192759 0.7227718 0.9884411
## C8.A138.03TCGA 0.9694253 0.6512542 -1.4296580 -0.9761727 -2.2415429
## NP_001136438 NP_001862 NP_004506 NP_006342 NP_060238
## AO.A12D.01TCGA NA -10.4513671 0.1893992 1.3018603 0.2351168
## C8.A131.01TCGA NA -10.2744620 -0.6526491 -0.2154779 1.1850889
## AO.A12B.01TCGA NA -7.3169083 0.2131862 1.2081453 -0.4630534
## BH.A18Q.02TCGA -11.7911625 -0.4369365 -0.2228321 0.3826820 -0.8350370
## C8.A130.02TCGA 0.2996687 -1.8191266 1.0441989 0.4013446 1.5230598
## C8.A138.03TCGA 3.3429086 -1.4918293 -0.7640586 -1.5430293 -1.5430293
## NP_004231 NP_002584 NP_115543 NP_001129123 NP_542196
## AO.A12D.01TCGA 0.0179583 0.5399006 0.1551110 0.3265520 1.701889
## C8.A131.01TCGA 1.3793872 0.9988864 0.8369711 -1.0007668 1.185089
## AO.A12B.01TCGA -0.7180290 -2.5416588 -1.2446090 0.2824731 -2.228482
## BH.A18Q.02TCGA -1.2197559 -0.7547478 0.3458828 0.1853045 -2.464238
## C8.A130.02TCGA 0.8408470 1.0114002 0.8310074 0.7654101 1.683773
## C8.A138.03TCGA -0.3361734 1.1669108 0.9950253 -0.6068017 3.171023
## NP_000084 NP_001265003 NP_542411 NP_009185 NP_000921
## AO.A12D.01TCGA 0.2770246 0.2846442 NA -0.3744509 -2.0850503
## C8.A131.01TCGA 0.8045881 0.7924444 NA -0.1749991 -1.2072087
## AO.A12B.01TCGA -2.7134902 -2.8880930 NA 0.4349041 5.4900725
## BH.A18Q.02TCGA -2.2166797 -2.3939849 -5.96350735 0.7473287 -2.2434427
## C8.A130.02TCGA 2.3659861 2.4479828 0.01759996 -0.3956635 -3.5672967
## C8.A138.03TCGA 2.3591382 2.4249667 0.17216899 1.0462253 -0.7311444
## NP_127509 NP_055181 NP_001180414 NP_001180412 NP_001180413
## AO.A12D.01TCGA -2.184105 -0.97639902 0.74181995 0.76467874 0.76467874
## C8.A131.01TCGA -1.207209 -0.88337826 0.75196563 0.73577411 0.73577411
## AO.A12B.01TCGA 5.531645 -0.31616529 -0.88431743 -0.90094627 -0.90094627
## BH.A18Q.02TCGA -2.243443 0.06487076 0.24217600 0.32915593 0.32915593
## C8.A130.02TCGA -3.567297 0.02087983 0.09959668 0.09959668 0.09959668
## C8.A138.03TCGA -1.023716 -0.56657312 0.07342623 0.13559760 0.13559760
## NP_004978 NP_001154875 NP_001154876 NP_006236 NP_001155198
## AO.A12D.01TCGA 0.76467874 1.18375654 1.18375654 0.17035023 0.2084482

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## C8.A131.01TCGA 0.73577411 0.24598052 0.24598052 -0.09808936 -0.3328665
## A0.A12B.01TCGA -0.90094627 -0.49908256 -0.49908256 -0.42425277 -0.7651441
## BH.A18Q.02TCGA 0.32915593 0.58005957 0.58005957 0.80754553 0.8242724
## C8.A130.02TCGA 0.09959668 -0.09719545 -0.09719545 1.07043787 1.6247357
## C8.A138.03TCGA 0.13559760 1.02793955 1.02793955 0.93285394 1.0718252
## NP_848701 NP_848702 NP_006235 NP_004586 NP_071735
## A0.A12D.01TCGA 0.2084482 0.07891507 0.9932666 -1.2316555 1.24090351
## C8.A131.01TCGA -0.3733453 -0.46644653 0.7560135 -1.4946083 0.17716654
## A0.A12B.01TCGA -0.7651441 -0.76514405 0.2797016 -2.2977691 0.05521221
## BH.A18Q.02TCGA 0.8108909 0.84769012 0.1250876 -0.8684908 -0.25294052
## C8.A130.02TCGA 1.6214558 1.62473571 1.2049125 0.9130042 1.67065387
## C8.A138.03TCGA 1.0352538 1.01696814 1.0535395 -1.3053152 0.56348288
## NP_878256 NP_005491 NP_009217 NP_001159681 NP_005852
## A0.A12D.01TCGA -0.3668313 -0.2906354 1.3475779 1.3475779 -2.46222030
## C8.A131.01TCGA 0.6224334 -0.2235737 0.3269381 0.1812144 -0.44620712
## A0.A12B.01TCGA 2.7296845 0.4487615 -1.0312055 -1.0312055 2.22804773
## BH.A18Q.02TCGA -0.5807879 1.1588106 -0.1224706 -0.1626152 -1.48738642
## C8.A130.02TCGA -0.1398337 1.1032366 -0.5071791 -0.5071791 0.09303695
## C8.A138.03TCGA -0.6653159 -0.8737728 0.2306832 0.1904547 1.33148211
## NP_757386 NP_036342 NP_036377 NP_001035536 NP_003932
## A0.A12D.01TCGA 0.17416003 0.58942803 0.1246326 -0.8621051 -0.05442786
## C8.A131.01TCGA -0.03737115 0.58195463 -0.3409622 0.2095496 -1.42174643
## A0.A12B.01TCGA 0.11341316 -1.08940650 0.1355850 0.2325865 0.43767561
## BH.A18Q.02TCGA -0.03883608 0.03141694 -0.2261775 2.4166742 -1.34353500
## C8.A130.02TCGA 1.03435931 -0.14967335 0.8834853 0.2570304 1.12619564
## C8.A138.03TCGA -0.51171603 0.48302582 0.1209690 -0.4714875 1.93491007
## NP_055319 NP_000243 NP_057240 NP_958435 NP_036233
## A0.A12D.01TCGA -0.74400133 0.1893992 -0.3782607 -0.3782607 0.8713531
## C8.A131.01TCGA -0.76194184 -0.3814410 1.5251109 1.5251109 -4.0812042
## A0.A12B.01TCGA 1.90378529 0.8533967 -0.7429723 -0.7429723 -5.4794211
## BH.A18Q.02TCGA -1.27997275 1.6037464 1.5033850 1.7944332 5.6616946
## C8.A130.02TCGA -0.14967335 -0.5366979 1.1983528 1.3557865 -0.9466815
## C8.A138.03TCGA -0.08748789 0.4171973 -0.3544590 -0.3544590 -1.2394867
## NP_057396 NP_061138 NP_000689 NP_003795 NP_066565
## A0.A12D.01TCGA -0.8049581 0.04081709 0.8484943 0.8523041 -0.3630215
## C8.A131.01TCGA -0.9440965 0.12049621 1.9460905 0.1933581 -1.1667299
## A0.A12B.01TCGA 0.4681618 -1.19472251 0.5180484 0.1217276 0.4182753
## BH.A18Q.02TCGA -0.3265389 0.14515992 0.6335857 -0.1994144 -0.2161413
## C8.A130.02TCGA 0.7719698 -0.22183047 -1.3074671 -0.2579090 1.5624182
## C8.A138.03TCGA -0.3508019 0.99136816 -0.8628014 1.0023396 -0.6762873
## NP_004799 NP_055946 NP_036243 NP_005017 NP_892021
## A0.A12D.01TCGA -0.3744509 0.2732148 0.3113128 0.47132428 -0.7820993
## C8.A131.01TCGA -0.7781334 0.1731187 0.5131407 0.85316265 -0.9481444
## A0.A12B.01TCGA 0.2686157 -1.0145767 -0.1387910 -2.10099446 -0.2413355
## BH.A18Q.02TCGA 1.6204733 -0.4804265 -0.5306072 1.62047333 -0.5105349
## C8.A130.02TCGA 0.7063724 1.6837733 0.5817374 0.03071944 0.6112562
## C8.A138.03TCGA -1.1992582 0.1941118 1.0791395 -0.92497276 0.6658828
## NP_055940 NP_055746 NP_055975 NP_699160 NP_001530
## A0.A12D.01TCGA 0.3951283 -0.2449178 0.94754905 -1.0106872 0.44084590
## C8.A131.01TCGA 0.2864593 0.6629123 -0.15475970 -0.1588076 -0.63645753
## A0.A12B.01TCGA 0.4903336 -0.8122591 1.56843695 1.4160059 -0.28290760
## BH.A18Q.02TCGA 0.9681239 0.2287945 -1.06586831 0.1853045 -0.06559913
## C8.A130.02TCGA 0.1914330 0.9950009 -0.30054732 0.2209518 -0.30382719
## C8.A138.03TCGA 0.9877110 0.8194826 -0.02165938 0.9072540 0.83411118

```

| | | | | | | |
|----|----------------|--------------|-------------|-------------|--------------|--------------|
| ## | | NP_001117 | NP_689541 | NP_004955 | NP_001518 | NP_116185 |
| ## | AO.A12D.01TCGA | 1.096131182 | -1.2049869 | -0.7592405 | 0.5741888 | -1.0183068 |
| ## | C8.A131.01TCGA | 1.168897367 | 0.3066987 | -1.0250541 | 0.7074389 | -1.9763061 |
| ## | AO.A12B.01TCGA | -0.510168458 | -0.2939935 | -0.6016271 | -0.2939935 | 1.4686639 |
| ## | BH.A18Q.02TCGA | 0.466316584 | -2.5545632 | 0.0949792 | 0.2287945 | -2.1899166 |
| ## | C8.A130.02TCGA | 0.001200618 | 1.9625622 | 0.3915050 | 1.1688339 | 0.4964608 |
| ## | C8.A138.03TCGA | -0.453201807 | 2.0921671 | 0.5013115 | 1.1339966 | -0.1094307 |
| ## | | NP_060855 | NP_055263 | NP_006099 | NP_055830 | NP_000659 |
| ## | AO.A12D.01TCGA | 0.6237162 | -0.2601570 | -0.4658861 | -0.2068198 | -8.954116 |
| ## | C8.A131.01TCGA | -0.6486012 | -0.2883398 | 0.3390818 | -0.4421592 | -10.047781 |
| ## | AO.A12B.01TCGA | 0.1632997 | -0.1498769 | -2.5222585 | 0.2076433 | -6.299777 |
| ## | BH.A18Q.02TCGA | 0.5566419 | -2.1899166 | -0.5038442 | -2.1330451 | 1.319389 |
| ## | C8.A130.02TCGA | 0.8670860 | 0.1487947 | -1.0319581 | 0.7818094 | -1.855205 |
| ## | C8.A138.03TCGA | 0.8304540 | -0.4897732 | 1.5289676 | -1.4369722 | -2.245200 |
| ## | | NP_000660 | NP_000661 | NP_003356 | NP_056099 | NP_001180452 |
| ## | AO.A12D.01TCGA | -9.963713 | -6.462508 | -1.2697535 | 0.8904021 | 0.4598949 |
| ## | C8.A131.01TCGA | -11.079990 | -6.214437 | -0.2114300 | 0.2540763 | 1.6627388 |
| ## | AO.A12B.01TCGA | -7.208821 | -3.993911 | 2.1947900 | 0.6704794 | -1.1614648 |
| ## | BH.A18Q.02TCGA | 1.095248 | 1.275899 | 0.5332242 | -0.3432658 | 0.5532965 |
| ## | C8.A130.02TCGA | -2.166793 | -1.671533 | -1.0483574 | -1.6748124 | 0.1159960 |
| ## | C8.A138.03TCGA | -2.954685 | -1.703943 | 0.8011969 | 0.3038260 | 0.2745689 |
| ## | | NP_055761 | NP_112740 | NP_002129 | NP_001003810 | NP_004490 |
| ## | AO.A12D.01TCGA | 0.5170419 | -0.7820993 | -1.17450852 | -1.094502763 | 0.70372197 |
| ## | C8.A131.01TCGA | 0.6264813 | -1.0452935 | -0.15880758 | -0.170951221 | -1.79415147 |
| ## | AO.A12B.01TCGA | -0.3106223 | 0.5263628 | -0.01407463 | -0.005760212 | 0.27138717 |
| ## | BH.A18Q.02TCGA | -0.2696674 | 0.7071841 | 0.27228444 | 0.549951130 | -0.02545455 |
| ## | C8.A130.02TCGA | -0.1004753 | 0.8670860 | 1.07043787 | 0.785089277 | -0.07423637 |
| ## | C8.A138.03TCGA | -0.8298871 | -0.9176585 | -0.85182998 | -1.067601187 | 0.69148275 |
| ## | | NP_055787 | NP_004676 | NP_001538 | NP_055449 | NP_079239 |
| ## | AO.A12D.01TCGA | 0.1322522 | 0.7265808 | -0.2677766 | 0.77991793 | 1.4580620 |
| ## | C8.A131.01TCGA | 1.8206062 | 0.8410190 | -2.8749357 | 0.80054020 | 1.6060685 |
| ## | AO.A12B.01TCGA | 0.5956496 | 0.2713872 | -0.2302496 | 0.04412632 | -0.2801361 |
| ## | BH.A18Q.02TCGA | -0.3231935 | 0.1217423 | 2.0085376 | 1.86468620 | -0.3666835 |
| ## | C8.A130.02TCGA | 1.2213118 | -0.3071071 | 0.2570304 | -0.12015453 | -0.4776602 |
| ## | C8.A138.03TCGA | 0.4391401 | 0.2270261 | -1.0529726 | -0.94691559 | 2.0080529 |
| ## | | NP_005754 | NP_073738 | NP_150634 | NP_001017534 | NP_037387 |
| ## | AO.A12D.01TCGA | -1.07926357 | -2.066001 | 1.5380678 | 0.9856470 | 0.18939922 |
| ## | C8.A131.01TCGA | -0.76194184 | -1.547231 | 0.6345771 | 1.1891368 | -0.11023301 |
| ## | AO.A12B.01TCGA | -0.94251838 | 1.044628 | -0.9258895 | -2.2839117 | 0.16607117 |
| ## | BH.A18Q.02TCGA | 0.08159767 | -1.604475 | 3.3935257 | 1.8312324 | 1.35618816 |
| ## | C8.A130.02TCGA | -1.41242286 | 0.142235 | -0.5891758 | -0.8187666 | 0.79164901 |
| ## | C8.A138.03TCGA | -1.60885778 | 1.466796 | -0.9176585 | -0.7713729 | -0.09480217 |
| ## | | NP_001138826 | NP_065385 | NP_072096 | NP_036552 | XP_003960677 |
| ## | AO.A12D.01TCGA | 0.48275368 | 3.5191628 | -0.62589759 | -0.4735057 | -0.01632988 |
| ## | C8.A131.01TCGA | 0.01120342 | 1.7558401 | -0.02927539 | -2.1260777 | 0.22574111 |
| ## | AO.A12B.01TCGA | 0.09678432 | -0.6515136 | 0.05798369 | 0.7674810 | 0.05521221 |
| ## | BH.A18Q.02TCGA | 1.04172226 | 0.3258105 | -0.55067950 | 1.0082684 | 0.27228444 |
| ## | C8.A130.02TCGA | 0.73917111 | -0.6580530 | -0.27430837 | 0.1848733 | 0.24719078 |
| ## | C8.A138.03TCGA | -0.06554506 | 0.8816540 | -0.45685895 | 0.1173119 | 1.19616796 |
| ## | | NP_078801 | NP_075526 | NP_060045 | NP_001014447 | NP_001014448 |
| ## | AO.A12D.01TCGA | 3.020079255 | 0.34560094 | -0.82019730 | 1.4580620 | 1.4580620 |
| ## | C8.A131.01TCGA | 0.015251302 | -0.54335627 | -0.02927539 | 1.2741423 | 1.2741423 |
| ## | AO.A12B.01TCGA | 0.002554209 | -0.03070348 | 0.65107910 | -1.6159865 | -1.6159865 |
| ## | BH.A18Q.02TCGA | 0.881143935 | -0.64100481 | -0.58078794 | -0.9989607 | -0.9989607 |

```

## C8.A130.02TCGA 0.083197340 0.48662121 0.91300416 0.3259076 0.3259076
## C8.A138.03TCGA -0.010687968 -0.36543047 0.89993968 2.0263385 2.0299957
## NP_000013 NP_001702 NP_001028229 NP_056335 NP_001137307
## A0.A12D.01TCGA 1.3932954 -0.9802088 0.14368164 -0.12300423 0.1932090
## C8.A131.01TCGA 0.9584076 -2.4499082 -0.18714274 -0.57573931 0.7357741
## A0.A12B.01TCGA -0.6487422 -2.5749165 -0.71248605 -0.66814247 -0.1083047
## BH.A18Q.02TCGA 0.8610716 -0.1023983 0.26559367 0.21541294 -0.1023983
## C8.A130.02TCGA 1.7460909 1.7723298 -1.26810863 -1.29434758 -0.2710285
## C8.A138.03TCGA -1.5137722 -0.7677158 -0.01434511 -0.02165938 0.5744543
## NP_001026855 NP_005899 NP_079120 NP_000241 NP_000493
## A0.A12D.01TCGA 2.8943559 -2.1345777 0.4637047 -1.296422 -0.1953904
## C8.A131.01TCGA 1.2781902 0.8086360 -0.2235737 6.884505 10.6126036
## A0.A12B.01TCGA -0.8870889 1.4298633 -0.5129399 -0.607170 -0.1942204
## BH.A18Q.02TCGA 1.2324090 -0.5640610 -0.1325068 -3.170113 -4.1837642
## C8.A130.02TCGA -0.3136668 -0.9466815 -0.1595130 -3.803447 -3.1245144
## C8.A138.03TCGA 0.4939972 -0.5702303 0.3367403 -4.106684 1.2327393
## NP_056189 NP_115958 NP_002212 NP_002211 NP_060493
## A0.A12D.01TCGA 0.7684885 -0.6678054 -0.2144394 NA -0.1649120
## C8.A131.01TCGA 0.8369711 -0.3085792 0.4159915 NA 0.2986030
## A0.A12B.01TCGA -1.6880449 0.9060547 -1.7767320 NA -0.4297957
## BH.A18Q.02TCGA 2.6341240 1.2491359 3.3634173 0.4830435 0.4395535
## C8.A130.02TCGA -0.9925996 0.6735737 0.5456589 -0.4383018 0.4702219
## C8.A138.03TCGA 1.5362819 1.0827966 0.5561686 -0.3215448 -0.9396013
## NP_006687 NP_004389 NP_005442 NP_976227 NP_998801
## A0.A12D.01TCGA -0.52684284 -0.06585726 1.28281129 1.1266096 1.35519746
## C8.A131.01TCGA -1.17887357 -0.15071182 0.87340206 0.7641093 1.51296725
## A0.A12B.01TCGA -0.09444738 -0.80671616 -2.28668321 -2.3365697 -2.02616467
## BH.A18Q.02TCGA -0.58413332 -0.14254291 -0.62427790 -0.5038442 -0.59082408
## C8.A130.02TCGA -0.14639348 0.86052626 -0.05127728 -0.0807961 0.07991747
## C8.A138.03TCGA 0.51228293 -0.14600212 1.71913886 1.6971960 2.06290994
## NP_056377 NP_036364 NP_066961 NP_057575 NP_002769
## A0.A12D.01TCGA 0.26559518 -2.0583817 -0.1611022 -0.1877708 -0.2258688
## C8.A131.01TCGA -0.06570632 -2.8911272 -0.4988296 -1.5553265 0.8410190
## A0.A12B.01TCGA -0.19699191 -2.2783688 0.5429916 2.3195064 2.5356813
## BH.A18Q.02TCGA 0.84099935 -0.6945309 -1.1193944 0.8476901 0.8276178
## C8.A130.02TCGA 0.65061465 -0.7006913 -0.5334180 -0.2513493 0.2996687
## C8.A138.03TCGA 0.12828332 -1.0639440 1.4375391 -0.7421158 -1.4698865
## NP_001035930 NP_001035931 NP_005902 NP_000420 NP_071375
## A0.A12D.01TCGA -0.1877708 -0.09252584 0.23130700 0.12463265 -1.0106872
## C8.A131.01TCGA 0.8450669 0.85316265 -0.26810036 -1.09386807 1.8367977
## A0.A12B.01TCGA 2.6520832 2.65208324 1.22200271 1.47143536 -1.1171212
## BH.A18Q.02TCGA 0.6369311 0.50311578 -0.10908910 -0.05221761 0.4362081
## C8.A130.02TCGA 0.3095083 0.28654921 0.02415970 -0.16279283 0.1028766
## C8.A138.03TCGA -1.4223437 -1.44062938 -0.03628794 -0.28863055 0.8231398
## NP_001441 NP_061156 NP_940869 NP_060834 NP_149079
## A0.A12D.01TCGA 3.2562867 -1.29642207 -0.3896901 -0.2868256 0.920880466
## C8.A131.01TCGA 1.0029342 -1.05338926 -0.5878830 -0.6324096 0.415991514
## A0.A12B.01TCGA 2.3278208 -1.56887148 0.9753415 0.1300420 0.052440739
## BH.A18Q.02TCGA -0.6108964 2.01857377 0.1786137 0.5064612 0.004653887
## C8.A130.02TCGA -0.5760563 1.68049348 -0.3530252 0.4669420 -0.015198726
## C8.A138.03TCGA 0.1063405 -0.07651647 -0.2703448 0.5854257 0.530568629
## NP_065755 NP_002620 NP_000281 NP_001025062 NP_078849
## A0.A12D.01TCGA 0.23130700 -0.56113102 -0.59541920 -0.9649696 -3.974710
## C8.A131.01TCGA 0.41599151 0.84911477 0.53338006 1.1284186 -3.757374

```

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## A0.A12B.01TCGA -0.21362075 0.40996087 -0.07504706 0.1438994 4.298339
## BH.A18Q.02TCGA 0.46631658 -0.92201689 -2.31035036 -0.8149647 -4.039913
## C8.A130.02TCGA 0.05367852 0.09303695 0.65061465 0.1258356 -2.307827
## C8.A138.03TCGA 0.70976845 1.11571090 1.16691084 0.8267969 -5.024626
## NP_001244942 NP_001244944 NP_006357 NP_000475 NP_001129603
## A0.A12D.01TCGA -2.3136382 -2.1117189 -1.9669465 2.848638 2.924834
## C8.A131.01TCGA -2.0451201 -1.9155879 -1.4338901 1.164849 1.116275
## A0.A12B.01TCGA 5.7090189 5.6231032 0.3767032 -1.338839 -1.366554
## BH.A18Q.02TCGA -1.1662298 -1.1595390 -1.7650531 1.389642 1.332770
## C8.A130.02TCGA -1.1172347 -0.9204425 1.9592823 -1.904403 -1.920803
## C8.A138.03TCGA 0.8779968 0.9109111 -1.5686293 -1.513772 -1.462572
## NP_006035 NP_149077 NP_005498 NP_619579 NP_003070
## A0.A12D.01TCGA 1.0656528 -3.8527966 -0.06204746 -1.2202261 -0.14967282
## C8.A131.01TCGA 0.2135975 -2.0329764 0.93816815 0.9907906 -0.56764355
## A0.A12B.01TCGA -0.3660518 0.7120515 -0.65151362 -0.7762299 -0.48245372
## BH.A18Q.02TCGA -1.1227398 -1.3334989 -0.23621361 -0.6610771 -0.14254291
## C8.A130.02TCGA 0.4472628 -3.4787402 1.15243459 0.6243757 1.26723000
## C8.A138.03TCGA -0.3873733 -2.1976572 1.03525383 0.4171973 -0.03994508
## NP_000512 NP_065991 NP_073586 NP_001180449 NP_002071
## A0.A12D.01TCGA 0.1322522 0.2198776 0.09796406 2.9629323 -2.03552291
## C8.A131.01TCGA 1.1891368 0.5171885 -0.35715374 -0.3612016 -1.37317186
## A0.A12B.01TCGA 1.9010138 -0.1942204 0.20764328 -1.0866350 0.09124137
## BH.A18Q.02TCGA 0.9781600 -0.2194867 -0.50718954 1.8278870 1.45320423
## C8.A130.02TCGA -0.2382298 0.5063004 -0.24150968 -0.1923116 -1.38946378
## C8.A138.03TCGA -1.0273727 1.8434816 0.02954056 2.5712523 -1.46988649
## NP_115824 NP_000099 NP_003189 NP_006556 NP_001143
## A0.A12D.01TCGA 0.74943955 -0.6487564 -0.3096843 0.27702458 2.3381254
## C8.A131.01TCGA 0.10025680 -1.1060117 -0.3207228 0.07192163 -0.2235737
## A0.A12B.01TCGA -0.04733232 2.3250493 -1.5993577 -3.76110731 -3.0848677
## BH.A18Q.02TCGA -0.34995659 -0.8885631 -2.1363905 -0.32319353 -0.4871172
## C8.A130.02TCGA -0.76300883 0.2931089 -0.1135948 0.27342973 0.2898291
## C8.A138.03TCGA 0.17948327 -1.1919439 -0.2593734 1.03891097 2.0117100
## NP_001627 NP_001142 NP_112581 NP_003749 NP_002892
## A0.A12D.01TCGA 1.0999410 0.5741888 3.0772262 -0.4925547 1.3018603
## C8.A131.01TCGA -0.2883398 -0.6526491 -0.2235737 0.1124004 0.6831517
## A0.A12B.01TCGA -2.5111726 -2.0788227 -4.3126306 1.3605764 0.5568490
## BH.A18Q.02TCGA -0.1626152 -0.1325068 -0.4770811 -0.4503180 0.9815054
## C8.A130.02TCGA 0.5915770 0.5259796 0.9162840 -0.5432576 0.8769256
## C8.A138.03TCGA 1.8617673 1.4229106 2.2567383 -0.5446303 -2.8742279
## NP_940916 NP_056277 NP_009097 NP_055656 NP_002310
## A0.A12D.01TCGA -1.1516497 0.280834375 0.50942226 0.01033871 0.4408459
## C8.A131.01TCGA -0.3328665 -0.009035984 1.37129141 -1.58770955 0.6952953
## A0.A12B.01TCGA 1.1471729 -0.718028998 -1.37486831 -1.19749398 -1.3194388
## BH.A18Q.02TCGA -0.1960690 0.068216142 -0.01541840 -0.02879993 0.6335857
## C8.A130.02TCGA 0.2898291 1.483701346 -0.01519873 -0.39566352 -0.1693526
## C8.A138.03TCGA 0.6146828 -0.142344978 0.73536842 -0.14600212 0.7061113
## NP_036244 NP_068751 NP_060627 NP_872363 NP_001074324
## A0.A12D.01TCGA -0.67542497 -0.09633564 0.1093935 1.3247191 0.04843669
## C8.A131.01TCGA 1.41986598 -0.06570632 0.4848055 0.9098330 1.92989898
## A0.A12B.01TCGA -1.78504644 0.54022014 1.5379507 0.1965574 -1.52175642
## BH.A18Q.02TCGA 0.02472618 -0.45700881 -0.3064666 -0.4871172 -0.11243448
## C8.A130.02TCGA -0.63181407 -1.39274365 -1.2287502 0.1159960 -0.15623309
## C8.A138.03TCGA 0.48302582 -0.06188792 -0.6762873 0.6439399 1.26565360
## NP_001230685 NP_079433 NP_057175 NP_775733 NP_001822

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| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|-------------|
| ## | A0.A12D.01TCGA | 0.04843669 | 0.002719109 | 0.3532205 | -0.8582953 | -0.6906642 |
| ## | C8.A131.01TCGA | 1.92989898 | 1.950138386 | 0.3714648 | -0.1507118 | -0.7497982 |
| ## | A0.A12B.01TCGA | -1.52175642 | -1.790589388 | -0.3771377 | -1.0977209 | 1.4963786 |
| ## | BH.A18Q.02TCGA | -0.13585215 | -0.273012807 | 0.6570033 | 0.4997704 | -1.9523945 |
| ## | C8.A130.02TCGA | -0.17263243 | -0.244789547 | 0.7358912 | -1.1598730 | -1.4550612 |
| ## | C8.A138.03TCGA | 1.28759644 | 1.309539271 | 0.3477117 | -1.4589151 | -0.8298871 |
| ## | NP_078911 | NP_683706 | NP_078862 | NP_000780 | NP_006759 | |
| ## | A0.A12D.01TCGA | 0.45227529 | 0.20463841 | 0.22749720 | -0.2144394 | 0.81801592 |
| ## | C8.A131.01TCGA | -0.06165844 | 0.01120342 | -0.01713175 | 0.7438699 | 0.22978899 |
| ## | A0.A12B.01TCGA | 0.05798369 | -1.08940650 | -1.00626228 | -1.1337501 | -0.08613295 |
| ## | BH.A18Q.02TCGA | -0.77147471 | 0.29235673 | 0.29235673 | 2.9051000 | -1.01568758 |
| ## | C8.A130.02TCGA | 0.74573085 | 0.60797636 | 0.60797636 | -0.5530972 | 0.19471288 |
| ## | C8.A138.03TCGA | 1.26199646 | -0.08383075 | -0.20085921 | 4.1767364 | 0.82313976 |
| ## | NP_056062 | NP_001153171 | NP_001153173 | NP_001153174 | NP_001153175 | |
| ## | A0.A12D.01TCGA | 0.2541658 | -2.4698399 | -2.4698399 | -2.7593846 | -2.4698399 |
| ## | C8.A131.01TCGA | 0.6750559 | -2.8951751 | -2.8951751 | -3.4052081 | -3.2878195 |
| ## | A0.A12B.01TCGA | -1.2723238 | -3.8248512 | -3.8248512 | -4.2960018 | -4.4567473 |
| ## | BH.A18Q.02TCGA | 1.6204733 | -0.7346755 | -0.7346755 | -0.5506795 | -0.5071895 |
| ## | C8.A130.02TCGA | -0.3792642 | -1.2681086 | -1.2681086 | -1.1926716 | -1.1926716 |
| ## | C8.A138.03TCGA | -0.6836016 | -0.6872587 | -0.6872587 | -0.6945730 | -0.6945730 |
| ## | NP_079255 | NP_689956 | NP_003896 | NP_000312 | NP_001015001 | |
| ## | A0.A12D.01TCGA | -0.7630503 | -0.01252008 | 0.50180267 | 0.2084482 | 4.6544827 |
| ## | C8.A131.01TCGA | 0.2864593 | -0.29643553 | 0.46051820 | 2.4682671 | -2.0896468 |
| ## | A0.A12B.01TCGA | 1.0473999 | 0.90328322 | -0.20253486 | -0.6265704 | 1.3799767 |
| ## | BH.A18Q.02TCGA | -1.0156876 | 0.07825229 | 0.14515992 | -1.3569165 | 0.1953407 |
| ## | C8.A130.02TCGA | -0.2480694 | -0.82204647 | -0.06767663 | 0.1192759 | -3.5640168 |
| ## | C8.A138.03TCGA | 2.1433670 | -0.09845931 | -0.57023026 | 0.9474825 | 3.9975366 |
| ## | NP_001816 | XP_003960636 | NP_071741 | NP_004688 | NP_009103 | |
| ## | A0.A12D.01TCGA | 2.8562579 | 2.66957782 | 0.1093935 | -0.13062383 | 0.4903733 |
| ## | C8.A131.01TCGA | -0.3976326 | -0.70527150 | -0.2276216 | -0.05356267 | -0.2397652 |
| ## | A0.A12B.01TCGA | 0.7951957 | 0.84231079 | -2.3919992 | 0.05798369 | 0.2187292 |
| ## | BH.A18Q.02TCGA | 0.7306018 | -0.04552684 | -0.2328682 | 0.53991499 | 0.4763527 |
| ## | C8.A130.02TCGA | -1.2681086 | -2.68501198 | 0.6210958 | -0.12343440 | 0.4964608 |
| ## | C8.A138.03TCGA | 2.8857663 | 4.23525060 | -0.1606307 | -0.57388740 | -0.6945730 |
| ## | NP_002257 | NP_002703 | NP_036335 | NP_055392 | NP_056510 | |
| ## | A0.A12D.01TCGA | -1.1821281 | -0.10395524 | -1.2278457 | -0.39349990 | 1.1075606 |
| ## | C8.A131.01TCGA | -0.6202660 | 0.32289025 | -1.3084058 | 0.40789575 | 0.4645661 |
| ## | A0.A12B.01TCGA | -1.2030369 | 1.46866389 | 1.3550335 | 0.18547148 | -0.2524214 |
| ## | BH.A18Q.02TCGA | -0.8852177 | 0.09832458 | 0.6402764 | 1.09859376 | 0.4228266 |
| ## | C8.A130.02TCGA | 0.4472628 | -0.91388280 | -0.9270023 | 0.71621203 | 0.6801335 |
| ## | C8.A138.03TCGA | -1.0456584 | -0.41663041 | 0.9438254 | -0.03628794 | 0.6841685 |
| ## | NP_001900 | NP_006812 | NP_001032238 | NP_689544 | NP_116246 | |
| ## | A0.A12D.01TCGA | -0.6144682 | -2.0279033 | -1.8755114 | -3.4832462 | -0.4773155 |
| ## | C8.A131.01TCGA | 0.4848055 | -1.9965455 | -1.7010502 | -5.3400952 | -0.2276216 |
| ## | A0.A12B.01TCGA | 4.3620826 | 0.8284534 | 0.9503983 | 0.0136401 | -0.5739124 |
| ## | BH.A18Q.02TCGA | -0.3298843 | -0.8818723 | -0.4570088 | -1.9791576 | 0.5432604 |
| ## | C8.A130.02TCGA | -2.0880759 | 0.2865492 | 0.2209518 | -1.8945636 | -1.3697846 |
| ## | C8.A138.03TCGA | -2.6584567 | 0.9328539 | 0.8377683 | 5.5774207 | -1.7697719 |
| ## | NP_060457 | NP_001032519 | NP_001124181 | NP_694955 | NP_001035882 | |
| ## | A0.A12D.01TCGA | 0.04843669 | -0.4696959 | -0.46588607 | -0.7897189 | -0.03537887 |
| ## | C8.A131.01TCGA | 0.10025680 | -0.4785902 | -0.36524950 | -0.6647927 | 0.40789575 |
| ## | A0.A12B.01TCGA | -0.43811014 | 0.3074163 | 0.30741634 | 0.7674810 | -0.41593835 |
| ## | BH.A18Q.02TCGA | -0.51388030 | -0.4636996 | -0.50049877 | 0.2890113 | -0.16261521 |
| ## | C8.A130.02TCGA | 0.72933151 | -0.1168747 | 0.01759996 | -0.0283182 | 0.43414331 |


```

## C8.A138.03TCGA 0.83776832 -1.1956011 -1.09685830 3.1746802 0.83776832
## NP_001265154 NP_006378 NP_788276 NP_001244904 NP_003864
## A0.A12D.01TCGA 0.040817090 0.1055837 0.78372773 0.07129548 0.1551110
## C8.A131.01TCGA 0.003107659 -0.3166749 -0.09808936 -0.23571732 1.3712914
## A0.A12B.01TCGA -0.393766555 0.1882430 0.78688132 -1.67141601 -2.1453380
## BH.A18Q.02TCGA -0.266322044 0.6436218 0.40944509 -0.39679194 0.4127905
## C8.A130.02TCGA 0.352146587 1.5853773 -1.05819703 -0.02831820 0.3587063
## C8.A138.03TCGA 0.771939813 -0.8847442 1.37536778 1.27296788 -0.5812017
## NP_005509 NP_001091742 NP_003841 NP_001229281 NP_001020376
## A0.A12D.01TCGA -2.187915 0.8370649 0.2236874 -0.9649696 0.73801016
## C8.A131.01TCGA -3.559028 2.9540129 0.2297890 -0.4988296 0.82077961
## A0.A12B.01TCGA 1.066800 -1.0533773 2.9735742 -1.1974940 -1.22520872
## BH.A18Q.02TCGA -6.890178 -1.7817800 0.6135134 -0.1793421 0.08494305
## C8.A130.02TCGA -3.475460 -0.2185506 0.3849453 0.3259076 0.26031026
## C8.A138.03TCGA -3.163142 1.3717106 0.2599403 1.1998251 1.34611066
## NP_775767 NP_009135 NP_005745 NP_056211 NP_001253970
## A0.A12D.01TCGA 2.1476355 -0.1191944 -0.02013968 0.61609661 0.61609661
## C8.A131.01TCGA 0.8653063 -0.9076656 -0.75789396 0.04763435 0.04763435
## A0.A12B.01TCGA 1.6100091 0.9115976 0.95871270 -0.08890443 -0.08890443
## BH.A18Q.02TCGA -0.3265389 0.2756298 -0.73133012 0.60682262 0.60682262
## C8.A130.02TCGA -1.9995194 0.1291155 0.70637242 -0.03815781 -0.03815781
## C8.A138.03TCGA -3.0643992 0.4501116 0.30748314 1.26931074 1.26931074
## NP_054873 NP_004444 NP_006089 NP_116294 NP_002254
## A0.A12D.01TCGA 0.78753753 -0.47731546 0.4446557 -0.3249235 0.2465462
## C8.A131.01TCGA 0.15287925 -0.52311686 0.2338369 -0.4097762 1.7963189
## A0.A12B.01TCGA -0.34388002 4.02396280 0.3711602 -0.4464246 -0.8621456
## BH.A18Q.02TCGA 0.60682262 -1.31008118 0.1886499 0.5599873 -0.5540249
## C8.A130.02TCGA 0.08319734 -0.79252765 0.4931809 1.1852333 0.9753217
## C8.A138.03TCGA 1.02428242 0.08439765 -0.3508019 -0.7457729 0.2270261
## NP_001559 NP_001243307 NP_000022 NP_004887 NP_443107
## A0.A12D.01TCGA 0.162730632 -0.2220590 -0.38588030 0.5551398 0.6961024
## C8.A131.01TCGA 0.181214420 0.7641093 -0.10213725 0.3957521 0.7033911
## A0.A12B.01TCGA -0.252421387 -1.0395200 1.69315327 0.3545314 0.8838829
## BH.A18Q.02TCGA 0.526533457 -0.2830490 -0.81831005 0.6168588 -1.0023061
## C8.A130.02TCGA 0.955642458 2.1823134 -1.56985657 0.5095803 -1.0089990
## C8.A138.03TCGA 0.007597728 -0.4568589 0.05879768 0.3111403 0.5781114
## NP_006273 NP_006272 NP_001129490 NP_938074 NP_062828
## A0.A12D.01TCGA 0.07891507 0.8865923 3.1381830 -1.1364105 -0.36683131
## C8.A131.01TCGA 1.16889737 1.1688974 0.7803008 -0.1911906 0.46051820
## A0.A12B.01TCGA -1.35269652 -1.0118052 -2.5028582 0.3517599 0.81736753
## BH.A18Q.02TCGA 1.55356569 1.3996781 0.2455214 0.3759913 0.28901134
## C8.A130.02TCGA -0.28086810 -0.5596570 -1.8650448 0.4735017 0.12255577
## C8.A138.03TCGA 0.66588278 1.2400536 3.5367370 -0.1533164 -0.09114503
## NP_001814 NP_001815 NP_001512 NP_036457 NP_036458
## A0.A12D.01TCGA -2.30220878 -1.2087967 -0.4430273 0.23511680 -1.1592693
## C8.A131.01TCGA -3.16638311 -1.5553265 -0.6931279 0.54147582 -0.5514520
## A0.A12B.01TCGA -1.93193456 -2.4862293 -0.3771377 0.40996087 0.2215006
## BH.A18Q.02TCGA 0.03141694 -3.6685754 -0.3298843 0.09497920 1.6806902
## C8.A130.02TCGA -2.03231808 -0.7990874 0.7326114 -0.51045893 0.4702219
## C8.A138.03TCGA 3.99387942 4.3705648 0.7719398 -0.05823078 -1.5064579
## NP_115687 NP_835237 NP_001013269 NP_002385 NP_112506
## A0.A12D.01TCGA 0.5056125 0.4141773 -1.3878572 -1.3878572 0.12463265
## C8.A131.01TCGA 0.8126838 0.7236305 0.7033911 0.7033911 0.42408728
## A0.A12B.01TCGA -0.1360195 -0.1360195 -2.5472018 -2.5472018 0.87556848

```

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## BH.A18Q.02TCGA 1.3394612 1.1353930 -1.5609848 -1.5609848 0.05148923
## C8.A130.02TCGA 1.3656261 1.4476228 -2.1208745 -2.1208745 -0.97292044
## C8.A138.03TCGA -0.2959448 -0.1825735 -2.0550288 -2.1428001 0.57079716
## NP_775752 NP_000128 NP_006416 NP_001139542 NP_996790
## AO.A12D.01TCGA -0.1115748 -2.233632 -0.12300423 0.4256067 0.5208517
## C8.A131.01TCGA -0.9481444 -1.826535 0.00715554 0.4524224 0.3917042
## AO.A12B.01TCGA -2.3476556 2.840543 0.14112790 0.5291342 -0.7984017
## BH.A18Q.02TCGA -3.5782501 -1.397061 -0.60420561 0.3759913 0.1083607
## C8.A130.02TCGA -2.2389498 0.942523 0.28982908 0.4571024 0.3291875
## C8.A138.03TCGA 3.9792509 -2.365886 1.00233958 0.7134256 2.3518239
## NP_006243 NP_055462 NP_113678 NP_001344 NP_001240837
## AO.A12D.01TCGA -0.69447395 0.11320326 -0.7401915 -6.310116 -4.1194825
## C8.A131.01TCGA -0.36929739 0.09216104 0.3552733 -4.392891 -3.8423792
## AO.A12B.01TCGA 0.97811301 0.74530921 0.9919704 -5.462792 -4.1851428
## BH.A18Q.02TCGA -0.53395259 -0.29643048 -0.8584546 -2.588017 -1.3368442
## C8.A130.02TCGA -0.04471755 0.52269977 -0.9991594 -1.750249 -0.2447895
## C8.A138.03TCGA 0.36234023 0.36234023 0.4245116 -4.205427 -3.1997133
## NP_001345 XP_003960903 NP_001809 NP_001177836 NP_036466
## AO.A12D.01TCGA -6.462508 -6.397742 -6.5920415 -3.5175344 1.5304482
## C8.A131.01TCGA -5.761075 -5.153893 -4.4171783 -3.4740221 1.3955787
## AO.A12B.01TCGA -5.191188 -5.191188 -6.8568436 -6.1916899 0.3961035
## BH.A18Q.02TCGA -2.802121 -2.862338 -1.6479648 -2.4408203 -2.1464266
## C8.A130.02TCGA -3.199951 -2.612855 -0.8548452 -0.1791922 -0.1332740
## C8.A138.03TCGA -3.686113 -3.795827 -5.3025683 -2.4755998 0.3769688
## NP_004390 NP_690006 NP_006360 NP_003818 NP_071363
## AO.A12D.01TCGA NA -3.6242087 -2.2145834 0.7722983 1.3551975
## C8.A131.01TCGA NA -2.1665565 -1.1626820 -0.3166749 0.1285920
## AO.A12B.01TCGA NA -0.1110762 -0.4963111 1.6682100 1.1111438
## BH.A18Q.02TCGA -0.1057437 -0.3231935 -1.1796113 1.5000396 0.7573648
## C8.A130.02TCGA 0.5095803 -1.0122789 1.5755377 -0.4481414 -0.4448615
## C8.A138.03TCGA 0.6951399 -1.4004009 -0.6945730 -0.1496593 -0.1130879
## NP_001093326 NP_005227 NP_004665 NP_001248761 NP_004619
## AO.A12D.01TCGA -0.52303304 -0.2106296 -0.77066992 -0.8621051 0.5513300
## C8.A131.01TCGA 0.40789575 -0.2235737 -0.96838376 -1.0736287 -1.9560667
## AO.A12B.01TCGA -0.42702424 -0.1055333 0.24090096 0.2298151 -0.2274781
## BH.A18Q.02TCGA 0.37599127 -0.3666835 0.49642502 0.4462443 -1.2465189
## C8.A130.02TCGA 0.21111222 -0.0184786 -0.19887138 -0.3825440 2.2511907
## C8.A138.03TCGA -0.05823078 1.7227960 -0.06554506 -0.2886305 -0.5629160
## NP_036218 NP_001171114 NP_002148 NP_056202 NP_001094289
## AO.A12D.01TCGA -0.78209931 0.7227710 -1.28880247 0.5475202 0.566569237
## C8.A131.01TCGA -0.34905798 -0.7133673 -0.26810036 0.1043047 0.181214420
## AO.A12B.01TCGA -0.97023312 0.9282265 1.90655676 0.2492154 0.013640105
## BH.A18Q.02TCGA -0.03214531 -0.6376594 -0.77482009 -0.3967919 -0.400137318
## C8.A130.02TCGA -0.21527073 -0.6580530 0.07991747 -0.0184786 0.001200618
## C8.A138.03TCGA 1.41193917 1.3936535 -0.19354493 0.7207399 0.753654118
## NP_004148 NP_002727 NP_062547 NP_057541 NP_002733
## AO.A12D.01TCGA 0.2160678 -1.5440589 -0.1191944 0.87135309 0.7342004
## C8.A131.01TCGA -0.5595478 -1.1707778 -0.1507118 -0.48263805 -0.5716914
## AO.A12B.01TCGA 0.5374487 1.9813866 4.4008833 0.79796721 0.3101878
## BH.A18Q.02TCGA 0.1418145 0.1551961 -2.1430813 1.06848532 1.5033850
## C8.A130.02TCGA -0.4743804 -1.7174507 -2.4488614 0.09303695 -0.1791922
## C8.A138.03TCGA 0.2672546 -3.1192563 -1.4918293 1.47411053 1.1815394
## NP_005804 NP_003162 NP_000998 NP_000999 NP_002056
## AO.A12D.01TCGA 0.73420036 0.07510527 0.901831476 1.1418488 2.1971629

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```

## C8.A131.01TCGA 0.39575211 -1.05338926 0.962455439 0.5617152 2.3792138
## A0.A12B.01TCGA -0.15264833 1.18874503 -0.615484465 -0.8011732 0.5457631
## BH.A18Q.02TCGA 1.41640503 -0.38341041 -0.002036877 -0.1023983 -1.2599005
## C8.A130.02TCGA -0.34318561 1.42466371 1.080277475 1.4673020 -3.3213065
## C8.A138.03TCGA 0.00028345 -0.10943073 -0.135030700 0.2197118 -1.9014289
## NP_001035919 NP_004131 NP_001186110 NP_640334 NP_055271
## A0.A12D.01TCGA 2.2162118 -0.87734427 2.9400735 0.5741888 -1.6469235
## C8.A131.01TCGA 1.0757961 0.28241144 0.8976893 0.1933581 -2.2394184
## A0.A12B.01TCGA -1.2196658 0.47093329 -1.4718699 -0.1914490 -2.5167155
## BH.A18Q.02TCGA -0.3834104 -0.76143856 -0.3064666 0.8610716 0.5767142
## C8.A130.02TCGA 0.2537505 0.80476849 -0.5137388 -0.3923836 -1.3665047
## C8.A138.03TCGA 1.4704534 0.08074051 0.7792541 0.1355976 -0.5629160
## NP_001909 NP_060216 NP_001164187 NP_001164188 NP_001159450
## A0.A12D.01TCGA 0.2541658 0.4560851 0.48275368 0.4827537 1.66379111
## C8.A131.01TCGA -2.1058383 0.3390818 0.76006139 0.7600614 0.82077961
## A0.A12B.01TCGA 1.6571241 -1.1614648 0.17438559 0.1743856 -0.92034659
## BH.A18Q.02TCGA -0.2897397 0.4964250 -0.38341041 -0.3834104 1.62047333
## C8.A130.02TCGA 0.5292595 1.2442709 0.03071944 0.1258356 -0.97948017
## C8.A138.03TCGA 0.4318259 0.3586831 0.17948327 0.1794833 -0.06920219
## NP_001120982 NP_062817 NP_001243731 NP_001608 NP_689942
## A0.A12D.01TCGA 0.9132609 0.62752601 0.3913185 -1.0602146 -1.37261803
## C8.A131.01TCGA 0.1407356 0.53742794 0.2419326 2.1363409 -1.96416247
## A0.A12B.01TCGA 0.3018734 0.13004201 -0.3078509 -1.0866350 1.61278053
## BH.A18Q.02TCGA -2.9325914 -0.07563528 0.1685776 0.9848508 -0.01541840
## C8.A130.02TCGA -0.7400497 0.62765557 1.1885131 -1.0024393 -0.09063571
## C8.A138.03TCGA 2.2165098 -0.70920155 -0.4202876 -1.7661148 -0.06554506
## NP_001182484 NP_055481 NP_115825 NP_003361 NP_005040
## A0.A12D.01TCGA 1.3094799 1.3094799 -0.6487564 0.6580044 0.25797559
## C8.A131.01TCGA -1.2355439 -1.2355439 -0.4381114 1.8327498 -0.80242065
## A0.A12B.01TCGA 1.4797498 1.4797498 -0.3937666 -0.9563758 -0.65705657
## BH.A18Q.02TCGA -1.6212017 -1.5910933 -0.3800650 -0.1391975 0.04145309
## C8.A130.02TCGA -0.9466815 -0.6908517 0.1291155 -0.3038272 1.17211380
## C8.A138.03TCGA 1.3643964 1.4814248 -0.4385733 0.9401682 -0.61411593
## NP_001073901 NP_001212 NP_742126 NP_751911 NP_751913
## A0.A12D.01TCGA -0.9954480 0.55513984 0.55894964 1.5685462 1.60283434
## C8.A131.01TCGA 0.3674169 0.88959358 0.88959358 1.0757961 1.08793975
## A0.A12B.01TCGA 0.6649365 2.81560019 2.85440083 0.3074163 0.32127371
## BH.A18Q.02TCGA 2.1791521 0.21875833 0.21875833 -0.4302458 -0.35664735
## C8.A130.02TCGA -0.5170187 -1.33370601 -1.33370601 0.2143921 0.03727918
## C8.A138.03TCGA -1.4881722 -0.02897366 -0.02897366 1.5399390 1.40828203
## NP_001191421 NP_001213 NP_742076 NP_741960 NP_001136112
## A0.A12D.01TCGA 1.5685462 1.60283434 1.0808920 0.9094511 -1.57834713
## C8.A131.01TCGA 1.1000834 1.08793975 0.6305292 0.7762529 -0.74575031
## A0.A12B.01TCGA 0.3074163 0.32127371 1.1527159 2.7546278 -1.29726704
## BH.A18Q.02TCGA -0.4302458 -0.35664735 -0.1425429 -1.0357599 -1.19968358
## C8.A130.02TCGA 0.2143921 0.03727918 -0.4087830 -0.8286062 -0.12015453
## C8.A138.03TCGA 1.4741105 1.40828203 2.1689670 1.4082820 -0.09480217
## NP_055309 NP_001189399 NP_001005 NP_006694 NP_068810
## A0.A12D.01TCGA 0.66181419 0.9208805 0.9589784 0.2198776 0.09415427
## C8.A131.01TCGA 0.07596952 -0.2114300 -0.1911906 0.1974059 -0.07380208
## A0.A12B.01TCGA -2.93797957 -0.9896334 -0.7152575 -1.0727777 0.48756214
## BH.A18Q.02TCGA -0.32319353 -0.9554707 -1.0759045 0.0213808 -0.77816547
## C8.A130.02TCGA -0.06767663 1.3721858 1.4673020 1.0999567 0.66045426
## C8.A138.03TCGA -0.07651647 0.8487397 0.7390256 -0.8445157 -0.12771642

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| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_001138610 | NP_002950 | NP_115515 | NP_060422 | NP_003316 |
| ## | AO.A12D.01TCGA | 0.07891507 | 2.288598008 | 0.9704078 | 1.21042513 | -0.50398405 |
| ## | C8.A131.01TCGA | 0.04358647 | -0.004988103 | -0.1345203 | -0.09808936 | 0.02739495 |
| ## | AO.A12B.01TCGA | 0.44876150 | -1.164236292 | 0.4155038 | 1.30791840 | 0.77025247 |
| ## | BH.A18Q.02TCGA | -0.83838234 | 0.121742252 | 0.8644170 | 0.32581055 | 0.27897520 |
| ## | C8.A130.02TCGA | 0.60469649 | -1.291067715 | 0.7096523 | 0.52925951 | 0.77852954 |
| ## | C8.A138.03TCGA | -0.08748789 | 0.475711541 | 0.3367403 | -0.23377346 | -0.48611606 |
| ## | | NP_061819 | NP_075556 | NP_665875 | NP_001003954 | NP_001124163 |
| ## | AO.A12D.01TCGA | 0.3036932 | -2.8203413 | 0.47513408 | 0.4408459 | 1.5418776 |
| ## | C8.A131.01TCGA | -0.8671867 | -5.3158079 | 0.78030080 | 1.3955787 | 1.4360575 |
| ## | AO.A12B.01TCGA | 1.2081453 | -6.3690642 | 0.36284581 | 0.3933320 | -0.1720486 |
| ## | BH.A18Q.02TCGA | -2.1765351 | -0.5372980 | 1.26586285 | 1.7910878 | 0.5031158 |
| ## | C8.A130.02TCGA | -2.0159187 | -0.2382298 | 0.01759996 | 0.2668700 | 0.7654101 |
| ## | C8.A138.03TCGA | -1.2650867 | 0.7280541 | 1.02062528 | 2.5310238 | 0.8231398 |
| ## | | NP_000935 | NP_001135825 | NP_001230903 | NP_066025 | NP_001164161 |
| ## | AO.A12D.01TCGA | 1.5266384 | 0.3989381 | 1.5266384 | -4.348070 | -5.220514 |
| ## | C8.A131.01TCGA | 1.4077223 | 0.7236305 | 0.6426728 | -3.644033 | -4.210736 |
| ## | AO.A12B.01TCGA | -0.1110762 | 0.1494423 | -0.6321133 | -4.107542 | -4.778238 |
| ## | BH.A18Q.02TCGA | 0.2488668 | -0.1325068 | -2.2032981 | -3.902752 | -3.902752 |
| ## | C8.A130.02TCGA | 0.6670140 | -0.1496734 | 1.0212398 | -1.087716 | -1.100835 |
| ## | C8.A138.03TCGA | 0.8341112 | 0.8633683 | 0.3403974 | -3.477656 | -3.956741 |
| ## | | NP_689966 | NP_766638 | NP_758962 | NP_004987 | NP_003777 |
| ## | AO.A12D.01TCGA | NA | -1.970756 | 1.583785 | -0.07347685 | -0.1230042 |
| ## | C8.A131.01TCGA | NA | -1.211257 | -1.591757 | 0.18931018 | 2.8406722 |
| ## | AO.A12B.01TCGA | NA | 4.941321 | -3.201270 | -1.07554913 | -1.3998116 |
| ## | BH.A18Q.02TCGA | -1.768398 | -3.661885 | -1.688109 | 0.09832458 | -1.1662298 |
| ## | C8.A130.02TCGA | -2.094636 | -1.087716 | -2.573496 | -0.67117250 | -1.2287502 |
| ## | C8.A138.03TCGA | 4.451022 | -2.947371 | -1.583258 | 1.38268205 | NA |
| ## | | NP_000343 | NP_055875 | NP_115683 | NP_004466 | NP_001171900 |
| ## | AO.A12D.01TCGA | -0.7249523 | -0.07347685 | -1.067834176 | 2.2733588 | 1.9419064 |
| ## | C8.A131.01TCGA | 4.8362775 | -0.22762155 | -0.430015600 | 0.2986030 | 1.0353173 |
| ## | AO.A12B.01TCGA | -1.2889526 | 0.03858337 | 0.753623630 | -1.1670078 | 0.2464439 |
| ## | BH.A18Q.02TCGA | -4.4480494 | -1.31008118 | -1.065868308 | -0.9186715 | 1.3561882 |
| ## | C8.A130.02TCGA | -1.5862559 | -0.35630509 | -1.409142995 | -1.9700006 | -0.2021513 |
| ## | C8.A138.03TCGA | -3.1375420 | 0.46108298 | -0.007030829 | -1.3967437 | -1.1261154 |
| ## | | NP_005154 | NP_001617 | NP_005456 | NP_031372 | NP_817092 |
| ## | AO.A12D.01TCGA | -0.7706699 | -0.8125777 | -0.74019153 | 0.06748568 | 0.1093935 |
| ## | C8.A131.01TCGA | 0.2176453 | -0.2519088 | 0.05168223 | -0.55549991 | 0.2864593 |
| ## | AO.A12B.01TCGA | -0.5739124 | 0.1827000 | -1.12820713 | -0.84274532 | -1.8848195 |
| ## | BH.A18Q.02TCGA | -0.5372980 | 0.3927182 | -0.53060721 | -0.08232604 | -0.7547478 |
| ## | C8.A130.02TCGA | 0.7326114 | 1.6411351 | 0.35542646 | 0.73261137 | 1.3065884 |
| ## | C8.A138.03TCGA | 3.5696513 | 0.4354830 | 2.79799491 | -0.55560170 | 0.6658828 |
| ## | | NP_065897 | NP_057023 | NP_000043 | NP_000044 | NP_002083 |
| ## | AO.A12D.01TCGA | 0.55133004 | -0.47350566 | 1.08470179 | NA | -1.0983126 |
| ## | C8.A131.01TCGA | 1.17294525 | -0.08594572 | 0.01120342 | NA | -0.9764795 |
| ## | AO.A12B.01TCGA | -0.07781853 | 1.77352602 | -0.75128668 | NA | 0.8533967 |
| ## | BH.A18Q.02TCGA | -0.76143856 | 0.80085477 | -1.37029806 | NA | -1.3669527 |
| ## | C8.A130.02TCGA | 0.21111222 | -0.16607269 | -0.38254404 | NA | 0.9622022 |
| ## | C8.A138.03TCGA | -0.36177333 | 0.10999762 | 0.31114028 | 4.703364 | -1.0529726 |
| ## | | NP_001091947 | NP_003463 | NP_060222 | NP_001095896 | NP_001077362 |
| ## | AO.A12D.01TCGA | -1.1135518 | -0.3325431 | 1.7895144 | 0.8103963 | 0.04843669 |
| ## | C8.A131.01TCGA | -0.9602880 | -0.9360007 | -1.1950651 | 0.6305292 | -0.08594572 |
| ## | AO.A12B.01TCGA | 0.7841098 | -1.3859542 | -0.9536043 | 0.9836560 | 0.50141951 |
| ## | BH.A18Q.02TCGA | -1.4505872 | 1.0517584 | -1.0959767 | -0.6677679 | -1.22310126 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|-------------|--------------|
| ## | C8.A130.02TCGA | 0.9786015 | 0.6407750 | 0.1520746 | -1.2910677 | 0.27342973 |
| ## | C8.A138.03TCGA | -1.0164012 | 0.7134256 | -0.6214302 | -0.1496593 | 0.87068257 |
| ## | | NP_055389 | NP_001034966 | NP_056244 | NP_006254 | NP_788955 |
| ## | A0.A12D.01TCGA | 0.03319749 | 0.6656240 | -3.5708716 | -0.9840186 | -1.0106872 |
| ## | C8.A131.01TCGA | -0.07784996 | 0.3876563 | -5.0405520 | -2.5632488 | -2.2879929 |
| ## | A0.A12B.01TCGA | 0.56793488 | 0.7369948 | -4.7034084 | 0.7979672 | 0.7536236 |
| ## | BH.A18Q.02TCGA | -1.22310126 | -1.1662298 | -0.1726514 | 0.9513970 | 0.7038387 |
| ## | C8.A130.02TCGA | 0.26687000 | 0.3685459 | 0.7982088 | -0.7564491 | -0.8154867 |
| ## | C8.A138.03TCGA | 0.91091110 | 0.9840539 | -3.0790277 | 2.6261094 | 2.3006240 |
| ## | | NP_003176 | NP_005631 | NP_001032242 | NP_004505 | NP_001032248 |
| ## | A0.A12D.01TCGA | -1.28118287 | -0.1077650 | 1.06946260 | -0.2563472 | 1.6066441 |
| ## | C8.A131.01TCGA | -0.54740415 | -0.5635957 | 0.86530630 | -0.2761961 | 0.5171885 |
| ## | A0.A12B.01TCGA | -0.30507939 | 1.0473999 | 0.09401285 | 0.3018734 | -0.5683694 |
| ## | BH.A18Q.02TCGA | -0.01207302 | 0.1317784 | 1.22571827 | 0.7306018 | 1.9449754 |
| ## | C8.A130.02TCGA | 0.81460810 | 0.5161400 | 0.51941990 | 0.8900451 | -0.1595130 |
| ## | C8.A138.03TCGA | 0.37331164 | -0.2996020 | -0.64703018 | -1.6637149 | 0.4208545 |
| ## | | NP_001028755 | NP_005484 | NP_065901 | NP_001334 | NP_001231800 |
| ## | A0.A12D.01TCGA | 1.62188333 | 1.30186028 | 1.7552263 | -0.02013968 | -0.07728665 |
| ## | C8.A131.01TCGA | 0.55361947 | 0.54147582 | 1.5048715 | 3.66643990 | 3.69882295 |
| ## | A0.A12B.01TCGA | -0.56836941 | 0.13558496 | 0.1632997 | -1.91807719 | -2.00399288 |
| ## | BH.A18Q.02TCGA | 1.81116009 | -0.29643048 | 0.1819591 | 0.23883062 | 0.29904749 |
| ## | C8.A130.02TCGA | -0.04471755 | -0.09063571 | -0.2546292 | -0.44814142 | -0.44814142 |
| ## | C8.A138.03TCGA | 0.42451159 | 1.40462489 | -0.7128587 | -0.17160209 | -0.17160209 |
| ## | | NP_001985 | NP_002637 | NP_003959 | NP_937838 | NP_004921 |
| ## | A0.A12D.01TCGA | -0.7325719 | 3.2905749 | 0.3303618 | 0.3303618 | 0.99326663 |
| ## | C8.A131.01TCGA | 1.9987130 | 0.6386250 | 0.4078958 | 0.2945551 | 0.99483849 |
| ## | A0.A12B.01TCGA | -1.0727777 | -1.6132151 | 0.2298151 | 0.3129593 | 0.01364010 |
| ## | BH.A18Q.02TCGA | -0.4402819 | -0.9320530 | 0.2589029 | 0.2589029 | -0.08901681 |
| ## | C8.A130.02TCGA | -0.5826160 | -0.2972674 | 0.2176720 | 0.2176720 | 0.09303695 |
| ## | C8.A138.03TCGA | -1.1261154 | 1.1047395 | -0.6177731 | -0.7092015 | 0.03319770 |
| ## | | NP_001193469 | NP_085133 | NP_076417 | NP_001427 | NP_037522 |
| ## | A0.A12D.01TCGA | 0.99326663 | 1.3932954 | 2.83339915 | -0.4201685 | 0.1665404 |
| ## | C8.A131.01TCGA | 0.99888637 | -0.9198092 | 0.37956059 | -0.9360007 | 0.4969491 |
| ## | A0.A12B.01TCGA | -0.14987685 | 0.9587127 | 0.07184106 | 0.3573029 | -0.1193906 |
| ## | BH.A18Q.02TCGA | -0.08901681 | -3.2938926 | -1.89552301 | 0.3057383 | -2.0962459 |
| ## | C8.A130.02TCGA | 0.07007786 | -0.1463935 | -1.45178129 | 0.5653381 | -1.3501054 |
| ## | C8.A138.03TCGA | -0.08383075 | 3.3026801 | 1.30222499 | -0.8737728 | 0.4647401 |
| ## | | NP_001290 | NP_085059 | NP_061174 | NP_000259 | NP_861966 |
| ## | A0.A12D.01TCGA | 0.50942226 | 0.11701305 | 0.9246903 | 0.3836989 | 0.3836989 |
| ## | C8.A131.01TCGA | 0.01929918 | 0.09216104 | 0.9017372 | 0.2055017 | 0.3512254 |
| ## | A0.A12B.01TCGA | -3.78882205 | -1.70744517 | -1.5051276 | 1.0640287 | 0.9282265 |
| ## | BH.A18Q.02TCGA | -0.59082408 | -0.17599673 | 0.4362081 | 0.1752684 | 0.3090836 |
| ## | C8.A130.02TCGA | -1.37306444 | 0.70637242 | 0.2865492 | 0.5751777 | 0.6473348 |
| ## | C8.A138.03TCGA | -0.11308786 | -0.48245892 | 0.7390256 | -0.3727447 | -0.4166304 |
| ## | | NP_001091896 | NP_003067 | NP_001003801 | NP_006581 | NP_001243655 |
| ## | A0.A12D.01TCGA | 0.16654043 | -0.28682555 | 0.1246326 | -0.1306238 | -0.2372982 |
| ## | C8.A131.01TCGA | -0.56359567 | -0.61217024 | -0.5393084 | 1.2619986 | 1.3227168 |
| ## | A0.A12B.01TCGA | -0.05287527 | 0.09678432 | 0.4737048 | -0.8566027 | -0.8566027 |
| ## | BH.A18Q.02TCGA | 0.57002342 | 0.04479847 | -0.3533020 | 0.4027543 | 0.5800596 |
| ## | C8.A130.02TCGA | 0.96876193 | 0.60469649 | 0.4243037 | 0.8178880 | 0.8178880 |
| ## | C8.A138.03TCGA | 0.42085445 | -0.21914490 | -0.2922877 | 0.1904547 | 0.2965117 |
| ## | | NP_001243657 | NP_057205 | NP_612401 | NP_056474 | NP_001664 |
| ## | A0.A12D.01TCGA | -0.1611022 | 2.03334153 | 0.95516865 | -0.7440013 | -0.1191944 |
| ## | C8.A131.01TCGA | 1.2134241 | -0.46239865 | -0.62836177 | 2.5654163 | 0.2540763 |

```

## A0.A12B.01TCGA -0.8981748 -0.38545213 -0.38545213 -1.8848195 -2.5970883
## BH.A18Q.02TCGA 0.3960636 -2.00257523 0.06487076 -1.3000450 0.7138748
## C8.A130.02TCGA 0.8408470 0.02743957 1.58209741 1.5853773 2.1659141
## C8.A138.03TCGA 0.3001689 -0.46783036 1.27296788 -2.0477145 -4.6845118
## NP_000440 NP_002208 NP_001241647 NP_001241652 NP_002716
## A0.A12D.01TCGA 0.0179583 0.53990065 -0.3668313 -0.3668313 0.4408459
## C8.A131.01TCGA -0.5554999 -1.52699133 3.8728818 3.8728818 -6.5423158
## A0.A12B.01TCGA 0.6372217 -1.53007084 -3.2871853 -3.2871853 -1.7351599
## BH.A18Q.02TCGA 1.0517584 0.43286276 -3.8659529 -3.8659529 1.4900034
## C8.A130.02TCGA -0.5629368 -0.04471755 1.3361072 1.3361072 0.5456589
## C8.A138.03TCGA 0.1575404 -2.00748595 NA NA -2.0842859
## NP_003923 NP_057213 NP_068799 NP_036614 NP_073743
## A0.A12D.01TCGA 2.43337034 -0.7135229 1.04279401 1.2980505 -0.4468371
## C8.A131.01TCGA -0.69717574 -0.2033343 -0.02522751 0.6871995 -0.3207228
## A0.A12B.01TCGA 1.78461191 1.2136883 -0.26073581 -0.4325672 -0.5184829
## BH.A18Q.02TCGA -0.17265135 -0.1893783 0.24886676 -1.1762659 -0.2395590
## C8.A130.02TCGA -0.03815781 0.5161400 1.01468010 0.2045525 -0.7170907
## C8.A138.03TCGA -1.51742930 -0.8884014 -0.40565900 -0.5409731 -0.6250873
## NP_872294 NP_079114 NP_056536 NP_001229687 NP_005505
## A0.A12D.01TCGA 0.2008286 -0.5382722 0.17796982 2.9210245 3.7706095
## C8.A131.01TCGA -0.4219198 -2.5753925 -0.50692534 -0.3854889 0.1043047
## A0.A12B.01TCGA -0.3106223 1.8095552 0.27693012 -1.5106705 -1.7656461
## BH.A18Q.02TCGA -0.2094506 0.1217423 0.17861374 2.1758067 0.8911801
## C8.A130.02TCGA -0.5563771 -1.1139548 -0.03159807 -1.1959515 -1.7666487
## C8.A138.03TCGA 0.4903401 -3.7555985 1.02793955 0.6951399 1.7227960
## NP_002107 NP_002108 NP_001229971 NP_005507 NP_001091949
## A0.A12D.01TCGA 2.5019467 3.77060949 3.842995659 3.6563155 1.2104251
## C8.A131.01TCGA -0.7497982 0.04763435 -0.004988103 0.3350339 -0.7497982
## A0.A12B.01TCGA -1.5661000 -0.87046006 -0.906489222 -1.0395200 -2.1591954
## BH.A18Q.02TCGA 2.2092605 1.06179456 1.202300593 1.6305095 0.7105295
## C8.A130.02TCGA -0.9663607 -1.94704149 -1.855205160 -0.9106029 -1.3665047
## C8.A138.03TCGA 0.8816540 0.06611196 0.336740253 1.4265677 0.8633683
## XP_003961043 NP_002118 NP_001158 NP_001265362 NP_002726
## A0.A12D.01TCGA 1.7018891 1.7018891 0.21987760 -0.20681979 -2.5650849
## C8.A131.01TCGA 0.4159915 0.4159915 0.63862496 0.44027880 0.9907906
## A0.A12B.01TCGA -0.1166192 -0.1166192 -0.16373422 -0.85937417 -2.2423396
## BH.A18Q.02TCGA 0.8343086 0.8343086 -0.09905295 1.70410787 1.2524813
## C8.A130.02TCGA -1.5796962 -1.5796962 0.05695839 0.05367852 0.6801335
## C8.A138.03TCGA 0.6585685 0.8085112 -0.29594482 -0.55560170 -2.3549142
## NP_689799 NP_036585 NP_064560 NP_109587 NP_002746
## A0.A12D.01TCGA 2.0447709 5.29833856 -1.0259264 -0.22586878 -0.008710286
## C8.A131.01TCGA 0.4807576 1.10413127 -0.5231169 0.58600251 1.330812604
## A0.A12B.01TCGA -0.3771377 -1.01457670 0.6732509 1.09174344 0.321273705
## BH.A18Q.02TCGA -0.1994144 -2.32373189 0.8042002 0.09163381 0.533224221
## C8.A130.02TCGA 1.6312954 -1.15331322 -0.1595130 0.73261137 -0.231670071
## C8.A138.03TCGA 0.6841685 0.01856914 -1.6052006 -1.02371552 -0.306916240
## NP_115756 NP_001009555 NP_001122395 NP_055412 NP_003672
## A0.A12D.01TCGA -0.61065840 -0.12300423 -0.19920019 0.2732148 1.7704655
## C8.A131.01TCGA -0.74170243 1.33890837 1.46844055 -0.4462071 0.7560135
## A0.A12B.01TCGA 2.71028419 -0.83443090 -0.83720238 -0.6071700 -0.1110762
## BH.A18Q.02TCGA 0.08494305 -0.06894451 -0.06894451 -0.6811494 0.5566419
## C8.A130.02TCGA -1.79944739 0.60141662 0.60141662 0.7129322 -0.7826880
## C8.A138.03TCGA -0.38005902 0.16119757 0.16119757 -0.0326308 -0.5592588
## NP_001074295 NP_056513 NP_055956 NP_003785 NP_001217

```

```

## A0.A12D.01TCGA    0.4522753 -0.2144394  2.8029208  0.19320902 -1.9174192
## C8.A131.01TCGA    0.1083526 -0.5109732 -1.1302990  0.61028980 -0.5676436
## A0.A12B.01TCGA    -0.1443339  0.0247260 -0.6431992  0.93931238 -0.4297957
## BH.A18Q.02TCGA    -1.1093583 -0.7380209 -2.6214709  0.40275433 -1.5476033
## C8.A130.02TCGA    0.5882971  0.5522186 -3.7378499 -0.53997774  0.2832693
## C8.A138.03TCGA    -0.2593734  0.3147974  1.8763958 -0.09845931 -2.9437136
## NP_003746 NP_001180289 NP_056355 NP_008882 NP_037365
## A0.A12D.01TCGA    0.1589208  0.2846442  0.048436687 -1.4792924 -4.0509061
## C8.A131.01TCGA    0.4200394 -0.5393084  0.444326680  0.0152513 -4.1824012
## A0.A12B.01TCGA    0.3794747 -0.2053063 -0.305079391 -0.4214813 -3.6308480
## BH.A18Q.02TCGA    -0.2562859 -1.8018523 -1.229792020 -0.2763582 -0.9487799
## C8.A130.02TCGA    0.4997407  1.3328274 -0.008638989  0.4505427 -0.6613329
## C8.A138.03TCGA    -0.4020019  0.9621110  1.024282416  0.3952545  1.1961680
## NP_005100 NP_612565 NP_004847 NP_057419 NP_006506
## A0.A12D.01TCGA    0.6465750 -0.44683707 -0.57637021  5.9917218  1.31709948
## C8.A131.01TCGA    0.2702678  1.29033380  1.33890837 -0.8874261 -1.01291045
## A0.A12B.01TCGA    -0.6819998 -1.43306926 -1.49958463 -1.6215295  0.04689779
## BH.A18Q.02TCGA    -0.3098120 -0.98557914 -0.98557914 -3.2403665  0.40609971
## C8.A130.02TCGA    -0.7662887  0.80804836  0.80804836 -3.4885799 -1.16971257
## C8.A138.03TCGA    0.7573113 -0.08383075 -0.08383075 -1.2504581 -0.91400134
## NP_002427 NP_001159933 NP_001014436 NP_054782 NP_001116428
## A0.A12D.01TCGA    -0.48112526 -0.54970162  0.08272487  0.06367588 -0.008710286
## C8.A131.01TCGA    1.99871296  1.98252143  1.50487148  1.49677572  1.476536317
## A0.A12B.01TCGA    -1.26123788 -1.14760745 -0.32725118 -0.32170823 -0.174820119
## BH.A18Q.02TCGA    0.82092706  0.91459775 -0.29643048 -0.23955899 -0.162615206
## C8.A130.02TCGA    0.07991747  0.09303695  0.70637242  0.68669321  0.689973080
## C8.A138.03TCGA    -1.17731536 -1.24680101  0.60736855  0.56714002  0.413540175
## NP_005558 NP_060650 NP_002328 NP_004679 NP_004854
## A0.A12D.01TCGA    -2.786053 -0.5763702  0.87135309 -1.33452005  3.8887132
## C8.A131.01TCGA    -2.510626  0.9017372  1.32271684 -1.18696933  0.8126838
## A0.A12B.01TCGA    2.349993  1.1832021  1.97584361  0.20487180 -0.2662788
## BH.A18Q.02TCGA    1.279244 -1.2130651 -0.87518154  1.03503150 -0.8417277
## C8.A130.02TCGA    -1.773208  0.9654821 -0.06111689 -0.01519873 -1.6092150
## C8.A138.03TCGA    1.101082  0.2416546 -0.10577359  0.45376871  2.5822237
## NP_714914 NP_001186011 NP_068813 NP_061170 NP_004901
## A0.A12D.01TCGA    -1.17069873 -1.17069873 -0.59160941 -0.503984  0.61990641
## C8.A131.01TCGA    -3.02065939 -3.02065939 -0.02117963 -1.126251  0.91388087
## A0.A12B.01TCGA    -2.41971396 -2.39754217  1.03631396  3.724644 -1.30835293
## BH.A18Q.02TCGA    -0.61424176 -0.68449478 -0.32988430 -2.196607 -0.02210917
## C8.A130.02TCGA    0.61781597  0.59485688 -1.47146050 -2.088076 -0.59573552
## C8.A138.03TCGA    -0.08748789  0.03685484 -1.13708683  2.073881  4.59730738
## NP_004146 NP_109591 NP_002631 NP_006208 NP_060392
## A0.A12D.01TCGA    0.3951283  0.08272487  1.1532782 -3.50229520 -0.10395524
## C8.A131.01TCGA    -0.7174151 -1.21935238  0.5576673 -3.68855975  0.21359747
## A0.A12B.01TCGA    -1.3693254  0.75639510 -0.9009463 -1.01457670 -0.03347495
## BH.A18Q.02TCGA    3.1794213  0.88783470  2.1289714  4.05925670 -0.01876379
## C8.A130.02TCGA    -0.0283182 -0.92372240 -1.7797682  0.04711878  0.78180941
## C8.A138.03TCGA    0.2343404 -0.73480152 -2.6072568 -1.04200121 -1.20657247
## NP_065799 NP_057422 NP_055620 NP_005079 NP_068800
## A0.A12D.01TCGA    -0.03156908  0.48275368  0.85992370  0.61609661 -2.2069638
## C8.A131.01TCGA    -0.11023301 -1.64437988 -0.94814436 -0.07380208 -0.9117134
## A0.A12B.01TCGA    -0.71802900 -0.06118969 -0.01130316  0.72590889 -1.6104436
## BH.A18Q.02TCGA    -0.21614132  0.10166996  0.88783470 -0.09236219 -1.5041133
## C8.A130.02TCGA    0.68013347 -0.74004975 -0.61213486  0.68013347 -1.5337780

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## C8.A138.03TCGA -0.12771642 0.33674025 -0.61045879 1.06816809 -1.5430293
## NP_005909 NP_690869 NP_001128647 NP_055204 NP_001186170
## A0.A12D.01TCGA 3.74394091 -0.67542497 -0.6754250 0.73801016 5.4431109
## C8.A131.01TCGA -0.82266005 -0.06975420 -0.0697542 0.52528430 2.5816078
## A0.A12B.01TCGA 2.07561667 -0.49631109 -0.4963111 -0.62657036 -2.0123073
## BH.A18Q.02TCGA -0.06225375 -0.95547071 -0.9554707 0.01469003 -0.4402819
## C8.A130.02TCGA 1.01468010 4.38966516 4.3896652 0.65717439 -2.7407698
## C8.A138.03TCGA -1.00542982 -0.07651647 -0.2008592 0.03685484 -1.4077151
## NP_001028170 NP_006008 NP_001139322 NP_003622 XP_003960526
## A0.A12D.01TCGA 5.2411916 -3.7651713 -3.7651713 -0.7630503 -0.5306526
## C8.A131.01TCGA 3.2009336 -0.7781334 -0.7781334 0.3755127 0.3552733
## A0.A12B.01TCGA -1.9541063 -4.1158560 -4.1158560 -0.7263434 0.2630728
## BH.A18Q.02TCGA -0.5105349 0.7841279 0.7841279 -0.2228321 -2.5211094
## C8.A130.02TCGA -3.0753164 -3.7804882 -3.7804882 1.1097963 2.2938290
## C8.A138.03TCGA -1.3638295 -6.2387960 -6.2387960 0.5122829 -0.2264592
## NP_000119 NP_079478 NP_077305 NP_005914 NP_001001671
## A0.A12D.01TCGA 0.9437393 2.1666845 -1.3802376 1.7399871 1.33995826
## C8.A131.01TCGA 1.3024774 3.8000200 2.2375379 1.1648495 0.99483849
## A0.A12B.01TCGA -1.8432474 -2.5167155 -1.9818211 1.4963786 0.52636277
## BH.A18Q.02TCGA 0.4362081 0.2221037 1.4866581 0.3559190 2.29624046
## C8.A130.02TCGA 1.1294755 -0.3071071 0.7850893 -1.0778762 0.30622842
## C8.A138.03TCGA -0.1679450 0.9328539 0.5707972 -0.4020019 -0.09480217
## NP_065994 NP_001073981 NP_004752 NP_006257 NP_001034437
## A0.A12D.01TCGA 1.0123156 0.8065865 -0.3782607 1.04660381 -0.61827799
## C8.A131.01TCGA 0.7641093 2.3103998 0.2621720 0.50099701 0.35122542
## A0.A12B.01TCGA -1.2723238 -1.1060353 1.8649847 1.99524393 -2.02339319
## BH.A18Q.02TCGA 0.1150515 0.4997704 -0.5439887 -1.74498083 -1.29335427
## C8.A130.02TCGA 0.5259796 0.6342153 0.6079764 0.78836915 0.08319734
## C8.A138.03TCGA 1.0901109 1.0535395 1.0206253 -0.05457364 -0.89937278
## NP_115618 NP_059984 NP_065962 NP_079455 NP_115544
## A0.A12D.01TCGA -0.16872181 0.562759439 -0.3554019 -2.00885432 0.55133004
## C8.A131.01TCGA 0.89364146 0.310746610 0.2905072 -0.15475970 0.08406528
## A0.A12B.01TCGA -1.33883915 -0.773458476 -1.7850464 -1.33883915 -1.02289112
## BH.A18Q.02TCGA 0.03810771 0.007999269 -0.9052900 -0.90528998 -0.31315739
## C8.A130.02TCGA 0.78836915 0.739171113 0.8998847 0.06351813 1.36890593
## C8.A138.03TCGA 1.62039610 2.040967104 NA 2.33719538 -0.35811619
## NP_079366 NP_001619 NP_697021 NP_057632 NP_079425
## A0.A12D.01TCGA -0.4773155 -0.2830158 1.7895144 2.1628747 -1.0335460
## C8.A131.01TCGA -0.4138241 -1.5391350 -0.8388516 2.4561235 -1.0493414
## A0.A12B.01TCGA -2.1481095 -2.0871371 1.2220027 2.2585339 -0.1942204
## BH.A18Q.02TCGA -0.5975148 1.8078147 -0.3231935 -1.4472418 -2.0159568
## C8.A130.02TCGA 0.4407030 0.2963888 -0.4514213 -0.4284622 0.7063724
## C8.A138.03TCGA -0.6689730 0.2453118 -0.1569735 1.5874818 0.8706826
## NP_000391 NP_009194 NP_079477 NP_002087 NP_004351
## A0.A12D.01TCGA -0.4087391 0.84087470 0.1779698 -0.70971315 0.71515137
## C8.A131.01TCGA 0.5940983 0.32693813 1.7153613 0.60624192 -0.26000460
## A0.A12B.01TCGA -0.1554198 1.44372063 -1.0810921 0.30464486 -1.25015198
## BH.A18Q.02TCGA -0.3834104 -0.52391645 0.8644170 0.26559367 -1.01234220
## C8.A130.02TCGA 0.2078324 0.12255577 -0.4809401 1.22131184 -0.06767663
## C8.A138.03TCGA 0.8158255 0.00028345 -0.4056590 0.09902621 2.24210976
## NP_001784 NP_006525 NP_005871 NP_055428 NP_006027
## A0.A12D.01TCGA 0.3532205 1.461871806 0.11320326 0.5665692 0.85230410
## C8.A131.01TCGA 1.9218032 0.954359677 0.33908178 -0.8833783 1.14056220
## A0.A12B.01TCGA -1.8183041 0.174385590 -0.46305340 -0.2302496 0.67879384

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## BH.A18Q.02TCGA 1.5201119 0.007999269 -0.18603288 -1.8085431 -0.18603288
## C8.A130.02TCGA -0.1955915 0.365266062 0.07007786 -1.3238664 0.03727918
## C8.A138.03TCGA 1.2327393 1.013310998 -0.15697353 1.2400536 0.00028345
## NP_443111 NP_954658 NP_055772 NP_001029288 NP_056451
## AO.A12D.01TCGA 0.48275368 0.50561247 0.23892659 -0.1306238 -0.1344336
## C8.A131.01TCGA -0.32881858 -0.32072281 -0.15071182 0.1974059 0.2176453
## AO.A12B.01TCGA 0.04689779 0.04412632 -1.15592187 0.7979672 0.5319057
## BH.A18Q.02TCGA -1.08259522 -1.11270366 0.81089091 -0.3031212 -0.3231935
## C8.A130.02TCGA 2.28398935 2.29054909 -1.03523794 -0.4120629 -0.4087830
## C8.A138.03TCGA -0.65068732 -0.50440175 -0.01800225 -0.1167450 -0.1167450
## NP_001073888 NP_001180317 NP_005267 NP_006028 NP_001015053
## AO.A12D.01TCGA -1.4488140 -0.57637021 -8.1159608 0.1817796 0.1284424
## C8.A131.01TCGA -0.9886232 -0.02117963 -7.0078221 0.8288754 0.7155347
## AO.A12B.01TCGA 0.1078702 -0.56836941 -4.1186274 -1.1171212 -0.1886775
## BH.A18Q.02TCGA -0.6476956 -0.31315739 0.8744532 -1.0959767 0.5098065
## C8.A130.02TCGA -0.5366979 0.18487328 -2.6686126 -0.5235784 -0.2447895
## C8.A138.03TCGA 0.6366257 1.43022486 -1.7258862 0.3111403 0.0331977
## NP_000963 NP_072047 NP_057085 NP_076968 NP_005266
## AO.A12D.01TCGA 0.4256067 0.8637335 0.017958301 -0.6639956 0.002719109
## C8.A131.01TCGA 2.9216298 0.1326398 -0.000940222 0.3026508 0.241932634
## AO.A12B.01TCGA -1.9624208 0.6760224 -0.601627096 1.4160059 0.243672437
## BH.A18Q.02TCGA -1.7516716 -0.1960690 0.041453087 -0.2462498 0.252212145
## C8.A130.02TCGA 1.0671580 0.3127882 1.713292166 -0.6482134 0.063518126
## C8.A138.03TCGA -0.5994874 0.3915973 -0.321544797 -1.1444011 0.398911619
## NP_742068 NP_001094058 NP_997657 NP_005479 NP_001129204
## AO.A12D.01TCGA 0.7913473 0.4903733 -0.3858803 0.9246903 0.9094511
## C8.A131.01TCGA 0.9179287 0.8855457 0.3593212 0.8653063 0.8410190
## AO.A12B.01TCGA 0.4210468 0.4543045 0.9891989 0.2353580 0.2741586
## BH.A18Q.02TCGA -0.9721976 -0.5172257 0.2321399 1.1721922 1.2491359
## C8.A130.02TCGA -0.3530252 1.1753937 0.7293315 -0.5170187 -0.5629368
## C8.A138.03TCGA -0.4422304 -0.2410877 -0.3581162 -1.7002863 -1.6966291
## NP_001129201 NP_115791 NP_434700 NP_001248319 NP_001248324
## AO.A12D.01TCGA 0.9094511 0.20844821 -0.2563472 -1.4754826 -1.1668889
## C8.A131.01TCGA 0.8410190 2.23349005 0.9826948 -1.3610282 -1.3286452
## AO.A12B.01TCGA 0.2741586 -0.58222678 -1.2723238 1.8012408 1.8483558
## BH.A18Q.02TCGA 1.2491359 2.89506381 2.4568188 -1.2398282 -1.2231013
## C8.A130.02TCGA -0.5629368 0.17175380 -0.1693526 -0.9434016 -1.0024393
## C8.A138.03TCGA -1.6966291 0.02222628 -1.3236009 -0.4422304 -0.5482874
## NP_060688 NP_001406 NP_002070 NP_065804 NP_065815
## AO.A12D.01TCGA 0.40274792 0.2427364 -1.3002319 -0.5039840 -1.4183356
## C8.A131.01TCGA -0.06570632 0.2945551 -0.6202660 0.3836085 0.2864593
## AO.A12B.01TCGA 0.57902078 0.3462170 1.1277726 0.2353580 1.9980154
## BH.A18Q.02TCGA -0.60755099 -0.5004988 0.1618868 -0.5975148 -0.3533020
## C8.A130.02TCGA 0.72933151 0.9720418 0.8703659 -0.2316701 -0.3267863
## C8.A138.03TCGA -0.46783036 0.3367403 0.2562832 0.2526261 -1.7149148
## NP_000304 NP_004508 NP_001265370 NP_001139110 NP_037428
## AO.A12D.01TCGA 0.1246326 0.6427652 0.5779986 0.62371621 -0.10395524
## C8.A131.01TCGA 2.8892468 1.2215198 1.1891368 0.58600251 1.93799474
## AO.A12B.01TCGA -2.5194870 -1.5993577 -1.2806382 -1.77673202 -2.69686135
## BH.A18Q.02TCGA -0.8651454 0.3860274 0.4863889 -0.34995659 0.32246516
## C8.A130.02TCGA 0.2340713 0.2799895 0.1323954 0.02743957 -0.08407597
## C8.A138.03TCGA -2.2488571 0.6293114 0.5269115 -0.77503005 -1.00908696
## NP_001219 NP_001073594 NP_001388 NP_001124154 NP_690902
## AO.A12D.01TCGA -0.27539616 -0.27920596 0.2732148 1.5571168 -5.1100300

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## C8.A131.01TCGA 0.97055120 1.00293425 -0.1264245 2.3387350 0.8895936
## A0.A12B.01TCGA 0.03304042 -0.02793200 0.6261358 1.3633479 -0.4297957
## BH.A18Q.02TCGA 0.16857760 0.16857760 -1.6747278 0.9948869 0.6837664
## C8.A130.02TCGA 0.02415970 -0.01191886 -2.0913557 -0.8286062 1.6247357
## C8.A138.03TCGA -1.36748660 -1.36748660 1.5253105 -0.5556017 0.5854257
## NP_004531 NP_065802 NP_002171 NP_062552 NP_001230209
## A0.A12D.01TCGA -4.797627 0.32655195 -0.3249235 0.34941074 6.0069610
## C8.A131.01TCGA -4.048821 0.08811316 -0.7862291 -0.09808936 -0.7700376
## A0.A12B.01TCGA -2.525030 1.75135423 -0.9924049 0.36561729 -0.5877697
## BH.A18Q.02TCGA -6.472005 -0.34995659 -0.5272618 -0.17599673 -4.2941618
## C8.A130.02TCGA -2.927722 -0.61541473 1.8018486 -0.22839020 -3.1802722
## C8.A138.03TCGA -3.148513 0.46839726 2.1579956 -0.68360157 1.7337674
## NP_000072 NP_037417 NP_443174 NP_057300 NP_001078846
## A0.A12D.01TCGA 2.63909944 -0.2220590 3.3934395 -0.3973097 -1.8145546
## C8.A131.01TCGA 0.35932118 1.3631957 -0.7052715 -0.6000266 -1.4460337
## A0.A12B.01TCGA -0.94251838 -1.5855003 -2.9185793 -0.7596011 2.0451305
## BH.A18Q.02TCGA 0.08494305 -1.6379286 3.4035619 0.3759913 -0.7982378
## C8.A130.02TCGA -1.62233447 0.9031646 -1.3730644 0.8474068 -0.5760563
## C8.A138.03TCGA -1.18462964 -1.9270289 0.5634829 0.3879402 -1.0602869
## NP_002378 NP_003787 NP_001239570 NP_002887 NP_113680
## A0.A12D.01TCGA -1.8145546 0.783727733 0.41036751 -0.44683707 -0.10776504
## C8.A131.01TCGA -1.4055549 -0.009035984 0.02739495 -0.09808936 -0.01713175
## A0.A12B.01TCGA 1.9675292 0.750852156 0.72036594 0.20487180 0.21595770
## BH.A18Q.02TCGA -0.7982378 -0.657731721 -0.69453092 -1.04579602 -0.83503696
## C8.A130.02TCGA -0.5760563 0.683413342 0.59813675 2.40534450 2.32990751
## C8.A138.03TCGA -1.0602869 -1.268743841 -1.46257222 -0.50074462 -0.46417323
## NP_001185774 NP_001185773 NP_001185772 NP_003132 NP_001123512
## A0.A12D.01TCGA 0.01033871 -0.8240071 -0.9230618 1.10375078 0.79896692
## C8.A131.01TCGA -0.42596772 -0.1183288 -0.1345203 -0.08189784 0.90578511
## A0.A12B.01TCGA 0.53744867 0.1438994 0.1328135 -0.49631109 0.11341316
## BH.A18Q.02TCGA 0.20537680 -0.6610771 -0.6610771 1.96504766 -0.76812932
## C8.A130.02TCGA 1.68705321 2.4217438 2.4807815 -0.29398758 0.52597964
## C8.A138.03TCGA -0.16794495 -0.4422304 -0.3983447 0.53422577 -0.08017361
## NP_892113 NP_003020 NP_001189788 NP_976224 NP_036567
## A0.A12D.01TCGA 0.7989669 0.7989669 0.61228682 0.6694338 0.1132033
## C8.A131.01TCGA 0.9057851 0.9057851 0.99888637 0.6062419 1.3955787
## A0.A12B.01TCGA 0.1134132 0.1134132 0.17438559 -0.7152575 0.3434455
## BH.A18Q.02TCGA -0.7915470 -0.7413663 -0.69787630 -0.2930851 0.1618868
## C8.A130.02TCGA 0.5259796 0.5259796 0.38494527 1.1524346 0.5423790
## C8.A138.03TCGA -0.1094307 -0.1094307 -0.05823078 -2.0148002 -0.9030299
## NP_079170 NP_001071 NP_005572 NP_057159 NP_015561
## A0.A12D.01TCGA -0.3401627 0.37607933 -3.1746526 -0.15348262 -0.98782841
## C8.A131.01TCGA -0.4745423 -2.31632811 -0.8631389 -0.50287746 -0.03332327
## A0.A12B.01TCGA -1.1171212 3.82718816 0.4210468 1.13608702 0.81736753
## BH.A18Q.02TCGA -0.3198482 -0.42020961 -0.5740972 0.68711179 -0.18603288
## C8.A130.02TCGA 2.0347193 -0.07751624 0.7293315 0.03071944 0.53253937
## C8.A138.03TCGA -0.6433730 -2.78279946 4.9520499 0.99502530 -1.04200121
## NP_003615 NP_073564 NP_000662 NP_002371 NP_085072
## A0.A12D.01TCGA -0.98782841 0.4941831 -0.9078227 0.2732148 0.2617854
## C8.A131.01TCGA -0.03332327 1.2498550 -0.2397652 3.0633056 2.9661565
## A0.A12B.01TCGA 0.80905311 1.1250011 -0.9730046 -2.1259377 -2.1425666
## BH.A18Q.02TCGA -0.20610517 1.0450676 0.1786137 1.9416300 1.9416300
## C8.A130.02TCGA 0.56205819 0.9917210 -1.0221185 3.6254557 3.6254557
## C8.A138.03TCGA -1.11880114 -1.4113723 -1.1590297 -3.8031413 -3.1448562

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| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_060150 | NP_002684 | NP_005752 | NP_001026895 | NP_714916 |
| ## | AO.A12D.01TCGA | -3.9328024 | -0.44302728 | 0.9170707 | 0.6199064 | 0.2808344 |
| ## | C8.A131.01TCGA | -3.0408988 | 0.11644833 | 0.1124004 | -0.1628555 | 0.6305292 |
| ## | AO.A12B.01TCGA | -3.1375257 | 0.43767561 | -2.3033121 | 0.9614842 | 1.2358601 |
| ## | BH.A18Q.02TCGA | -0.7380209 | -0.03883608 | -0.6978763 | 0.3860274 | 0.2488668 |
| ## | C8.A130.02TCGA | 1.0802775 | -0.23494994 | -0.1299941 | -0.2644688 | 0.1291155 |
| ## | C8.A138.03TCGA | -0.4495447 | 0.23434036 | 0.9145682 | -0.7384587 | 2.2201669 |
| ## | | NP_001121699 | NP_001177317 | NP_001107654 | NP_001121100 | NP_003828 |
| ## | AO.A12D.01TCGA | -0.2639668 | -0.3058745 | -0.8049581 | -3.89470441 | -4.6033269 |
| ## | C8.A131.01TCGA | 0.4443267 | 0.4402788 | -0.2397652 | -1.36912398 | -0.9076656 |
| ## | AO.A12B.01TCGA | -0.9508328 | -0.9064892 | 1.1444014 | -0.05010379 | -1.1531504 |
| ## | BH.A18Q.02TCGA | 0.2187583 | 0.1886499 | -0.4837719 | -3.44108943 | -3.3674910 |
| ## | C8.A130.02TCGA | -0.8286062 | -0.9138828 | 1.0277996 | -1.98639992 | -1.1762723 |
| ## | C8.A138.03TCGA | 0.5232543 | 0.5159401 | 0.6549114 | 2.64073793 | 1.9349101 |
| ## | | NP_899195 | NP_001007562 | NP_005875 | NP_064553 | NP_065074 |
| ## | AO.A12D.01TCGA | 0.46370469 | 0.4751341 | 2.22002164 | 3.67536454 | 2.4943271 |
| ## | C8.A131.01TCGA | -0.01713175 | 0.1043047 | 0.41599151 | -1.43793795 | 0.1124004 |
| ## | AO.A12B.01TCGA | 0.71482300 | 0.5845637 | 0.39610350 | 1.49360716 | 0.9088262 |
| ## | BH.A18Q.02TCGA | -0.74136627 | -1.6078202 | -2.10628207 | -1.88883225 | -2.0627921 |
| ## | C8.A130.02TCGA | -0.72365040 | 0.9786015 | 1.33282738 | 1.70345256 | 2.0314394 |
| ## | C8.A138.03TCGA | 0.34771167 | 0.3915973 | 0.02588342 | -0.06920219 | 0.1648547 |
| ## | | NP_001124384 | NP_006695 | NP_001036038 | NP_001020766 | NP_055262 |
| ## | AO.A12D.01TCGA | 0.5703790 | 0.5056125 | 0.1017739 | 0.9551686 | 0.9856470 |
| ## | C8.A131.01TCGA | 0.4605182 | 0.4483746 | -0.1385682 | 0.5900504 | 0.6548165 |
| ## | AO.A12B.01TCGA | 0.8284534 | 0.7563951 | 0.5623919 | 0.4903336 | 0.4127323 |
| ## | BH.A18Q.02TCGA | 0.2187583 | 0.2254491 | 0.7573648 | -1.5643302 | -1.5643302 |
| ## | C8.A130.02TCGA | -0.6350939 | -0.6482134 | -0.7334900 | -0.3891038 | -0.3464655 |
| ## | C8.A138.03TCGA | 1.3131964 | 1.3643964 | -0.5336589 | -0.3544590 | -0.3434876 |
| ## | | NP_037368 | NP_001171846 | NP_004298 | NP_663722 | NP_001002019 |
| ## | AO.A12D.01TCGA | 0.20463841 | -0.6601858 | 1.26376230 | 0.55133004 | 0.17796982 |
| ## | C8.A131.01TCGA | 0.27431568 | -1.4743689 | 0.56576311 | -0.39763255 | -0.77003760 |
| ## | AO.A12B.01TCGA | 1.21368829 | 1.8677561 | 0.21872917 | 0.40164645 | 0.40441792 |
| ## | BH.A18Q.02TCGA | -0.08232604 | 0.5934411 | -1.71487239 | -0.93874380 | 0.56667804 |
| ## | C8.A130.02TCGA | 0.19471288 | 0.4308634 | 1.14259498 | 0.02743957 | 1.06715800 |
| ## | C8.A138.03TCGA | -0.84085856 | -0.7969729 | 0.01856914 | 0.19045469 | -0.07651647 |
| ## | | NP_079491 | NP_001266 | NP_004306 | NP_001070020 | NP_004300 |
| ## | AO.A12D.01TCGA | 0.17796982 | -6.27582827 | -2.1764854 | 0.9551686 | -0.5687506 |
| ## | C8.A131.01TCGA | -0.77003760 | -6.90662509 | -0.5635957 | 1.3712914 | -0.5190690 |
| ## | AO.A12B.01TCGA | 0.40441792 | -4.21840050 | 2.3028775 | 1.2691178 | 0.3711602 |
| ## | BH.A18Q.02TCGA | 0.56667804 | -5.27435869 | -0.4503180 | 0.3726459 | -0.2863943 |
| ## | C8.A130.02TCGA | 1.06715800 | -6.85044544 | -2.3570251 | -1.1139548 | -0.8154867 |
| ## | C8.A138.03TCGA | -0.07651647 | 0.05514054 | -2.3146856 | -1.1956011 | -1.1882868 |
| ## | | NP_149112 | NP_997237 | NP_689558 | NP_066301 | NP_003147 |
| ## | AO.A12D.01TCGA | 0.5856182 | -1.1630791 | -2.00504452 | 3.385820 | 5.4507305 |
| ## | C8.A131.01TCGA | 0.1690708 | -0.7214630 | -2.44586030 | 1.537255 | 1.2336635 |
| ## | AO.A12B.01TCGA | -1.3388391 | 0.1799285 | -0.03070348 | 1.097286 | -0.2247066 |
| ## | BH.A18Q.02TCGA | 1.2257183 | -0.2328682 | -0.67111325 | 3.383490 | 0.6938026 |
| ## | C8.A130.02TCGA | 0.1028766 | -0.4612609 | -0.47766024 | -0.208711 | -2.1438336 |
| ## | C8.A138.03TCGA | 0.6549114 | 1.5947961 | 3.27342300 | -1.736858 | 0.9767396 |
| ## | | NP_001162589 | NP_057737 | NP_598407 | NP_056156 | NP_078881 |
| ## | AO.A12D.01TCGA | 2.31526660 | -0.3363529 | -1.2621339 | -0.13443363 | -1.1478399 |
| ## | C8.A131.01TCGA | 0.03144283 | -0.8631389 | -1.2760227 | -0.06570632 | -0.6445533 |
| ## | AO.A12B.01TCGA | 0.32958813 | -0.1166192 | -0.1914490 | -3.15138306 | -1.8848195 |
| ## | BH.A18Q.02TCGA | 1.50338496 | -0.7346755 | -0.6008602 | -0.38675579 | 0.5432604 |

```

## C8.A130.02TCGA -2.72765028 0.9589223 1.2311514 0.59157701 -1.1237944
## C8.A138.03TCGA 1.22176793 0.3879402 0.2306832 0.27822603 -1.7149148
## NP_078939 NP_077734 NP_037395 NP_004929 NP_001339
## A0.A12D.01TCGA -3.1289350 -1.452624 -1.0525950 0.04081709 1.4771110
## C8.A131.01TCGA -2.0896468 -3.312107 -0.9117134 0.75196563 2.5411290
## A0.A12B.01TCGA -0.8732315 -3.434073 0.8755685 -1.41644042 -1.4829558
## BH.A18Q.02TCGA 0.5900957 4.173000 -1.3033904 1.46658576 -0.2696674
## C8.A130.02TCGA -2.4390218 -2.196312 0.6801335 -0.34318561 0.5554985
## C8.A138.03TCGA 0.7792541 -4.260284 1.8434816 -0.03994508 0.7024542
## NP_055141 NP_000145 NP_055630 NP_001127696 NP_055958
## A0.A12D.01TCGA -0.06966706 -1.54786874 0.7875375 0.15511104 -0.336352928
## C8.A131.01TCGA -0.03332327 -0.81456429 -0.3733453 1.13651432 0.723630465
## A0.A12B.01TCGA 0.19932885 -0.09999032 -0.4048524 -0.61271299 -1.045062916
## BH.A18Q.02TCGA 1.89144926 0.05148923 0.5031158 0.43955353 -0.293085099
## C8.A130.02TCGA -1.14347362 -0.42518234 0.6276556 0.01432009 0.007760356
## C8.A138.03TCGA 0.00028345 -0.95422987 0.5013115 0.16119757 -1.619829201
## NP_065881 NP_001973 NP_001248340 NP_056520 NP_065823
## A0.A12D.01TCGA 0.8065865 -1.102122 -0.1534826 3.7096527 2.3686038
## C8.A131.01TCGA 0.6467207 -5.299616 0.2905072 -0.4421592 -0.1588076
## A0.A12B.01TCGA -0.1554198 -4.113084 -0.4381101 1.8150981 -0.2441070
## BH.A18Q.02TCGA 0.8276178 -2.330423 -0.0154184 -1.4104426 -1.0023061
## C8.A130.02TCGA -0.3825440 -1.100835 1.0868372 -0.7662887 0.7260516
## C8.A138.03TCGA 0.5269115 1.196168 -0.6689730 1.3753678 -0.7677158
## NP_003440 NP_808821 NP_002697 NP_001028729 NP_808907
## A0.A12D.01TCGA 1.0656528 0.562759439 0.2770246 0.27702458 0.27702458
## C8.A131.01TCGA -0.1871427 0.614337679 0.6102898 0.67100801 0.67100801
## A0.A12B.01TCGA 0.1632997 -0.002988738 -0.1443339 -0.06950411 -0.06950411
## BH.A18Q.02TCGA 0.7406379 0.071561524 -0.3901012 -0.39010117 -0.27635819
## C8.A130.02TCGA 0.6440549 0.171753799 -0.4022233 -0.43830181 -0.45142129
## C8.A138.03TCGA 0.9730825 0.651254221 -0.2045163 -0.02897366 -0.17891637
## NP_036256 NP_005383 NP_055922 NP_001171826 NP_055299
## A0.A12D.01TCGA 0.81420612 -0.2944451 -0.6601858 -0.6601858 -1.8831310
## C8.A131.01TCGA 0.21764535 0.8653063 -0.8631389 -0.8631389 -1.8913006
## A0.A12B.01TCGA 0.57624930 -0.4464246 -1.3804113 -1.3804113 0.6898797
## BH.A18Q.02TCGA 0.05148923 0.3525736 -0.4636996 -0.3064666 -1.1361213
## C8.A130.02TCGA -0.81876660 -0.6121349 1.3131482 1.4213838 -0.8679646
## C8.A138.03TCGA 0.85971115 1.3936535 0.5269115 0.1465690 1.7374246
## NP_001099010 NP_003637 NP_004708 NP_001095124 NP_036230
## A0.A12D.01TCGA -0.77066992 -0.77066992 -2.1574365 0.1322522 -0.7668601
## C8.A131.01TCGA 0.26217204 0.26217204 1.2053283 0.4807576 -0.4016804
## A0.A12B.01TCGA 0.03858337 0.03858337 -1.3610109 -0.1526483 -2.4363428
## BH.A18Q.02TCGA 0.38937280 0.30573825 1.1788829 0.4261720 0.0949792
## C8.A130.02TCGA 0.45382252 0.50302055 0.5948569 0.1881531 0.4931809
## C8.A138.03TCGA 0.85239688 0.85239688 1.0974252 0.3221117 0.7024542
## NP_004664 NP_114123 NP_002258 NP_002259 NP_078920
## A0.A12D.01TCGA 0.4256067 NA 1.2790015 0.4484655 -1.2087967
## C8.A131.01TCGA -8.0967021 NA 0.7641093 0.2257411 -0.1183288
## A0.A12B.01TCGA -3.4701026 NA -0.6043986 -1.1282071 -0.4907681
## BH.A18Q.02TCGA 3.4671241 -0.6343140 -1.4873864 -0.8651454 -1.1863021
## C8.A130.02TCGA -0.8384458 0.4931809 1.5066604 1.7395311 1.2541105
## C8.A138.03TCGA -0.4422304 -2.9034850 0.2197118 0.2562832 2.0629099
## NP_003555 NP_037391 NP_001129064 NP_001029102 NP_001186226
## A0.A12D.01TCGA 1.3704367 2.32669599 0.51323206 0.83706491 0.40655771
## C8.A131.01TCGA 0.2581242 1.34295625 -0.64050541 -1.06958079 -0.29238765

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | A0.A12B.01TCGA | -1.9845926 | -1.64370127 | -0.37436624 | -1.69358780 | 0.82291048 |
| ## | BH.A18Q.02TCGA | 0.3157744 | 0.09163381 | -0.61089638 | -2.92924600 | -0.02545455 |
| ## | C8.A130.02TCGA | -0.1201545 | -0.64165368 | -0.06111689 | 0.05695839 | -1.64857342 |
| ## | C8.A138.03TCGA | -0.5409731 | 0.75365412 | 0.11365476 | 0.82679690 | -0.54828743 |
| ## | | NP_005376 | NP_000526 | NP_872578 | NP_056516 | NP_786924 |
| ## | A0.A12D.01TCGA | 0.32655195 | 0.288453971 | 0.7722983 | 0.71134157 | -1.2811829 |
| ## | C8.A131.01TCGA | 0.05977799 | 0.472661847 | -0.9886232 | -0.34096222 | -1.0614850 |
| ## | A0.A12B.01TCGA | 0.69819415 | -0.011303160 | 1.8899279 | 0.91159764 | 0.1411279 |
| ## | BH.A18Q.02TCGA | 0.18864989 | -0.841727724 | 0.2221037 | -0.30981201 | -0.9922699 |
| ## | C8.A130.02TCGA | 0.68341334 | 0.001200618 | 0.8670860 | -0.14311361 | 0.2767096 |
| ## | C8.A138.03TCGA | -0.23743060 | 0.117311903 | 0.1355976 | 0.00028345 | 1.5874818 |
| ## | | NP_060495 | NP_003357 | NP_009109 | NP_001104262 | NP_001156907 |
| ## | A0.A12D.01TCGA | 0.2694050 | -0.9002031 | 0.2998834 | 0.5970476 | 0.40274792 |
| ## | C8.A131.01TCGA | -0.4016804 | -0.2478610 | -0.2357173 | 0.8248275 | 1.20128041 |
| ## | A0.A12B.01TCGA | 0.8145961 | 2.0174157 | -0.1720486 | -1.5134420 | -0.51016846 |
| ## | BH.A18Q.02TCGA | 0.5967865 | -0.2362136 | -0.4269004 | -0.5807879 | 0.16188683 |
| ## | C8.A130.02TCGA | 1.1097963 | -0.9598010 | 1.1032366 | -0.2087110 | 1.01140023 |
| ## | C8.A138.03TCGA | -0.7238301 | 0.7902255 | -0.7311444 | -0.5629160 | -0.08383075 |
| ## | | NP_004535 | NP_060341 | NP_001001976 | NP_008972 | NP_005908 |
| ## | A0.A12D.01TCGA | -1.1783183 | -0.59160941 | -0.5687506 | -0.6525662 | 0.01414850 |
| ## | C8.A131.01TCGA | -0.4300156 | -0.18309486 | -0.5231169 | -0.6121702 | -0.11023301 |
| ## | A0.A12B.01TCGA | 0.2325865 | -0.05564674 | 1.0141422 | 0.9005117 | 1.21091682 |
| ## | BH.A18Q.02TCGA | 0.8811439 | -0.46704495 | -1.4271695 | -0.9052900 | 0.07490691 |
| ## | C8.A130.02TCGA | -0.2185506 | 0.95236259 | 0.6014166 | 0.4669420 | 0.18815314 |
| ## | C8.A138.03TCGA | -0.7128587 | -0.09480217 | 0.5378829 | 0.6768542 | -0.98348699 |
| ## | | NP_064520 | NP_852608 | NP_001017973 | NP_061848 | NP_073713 |
| ## | A0.A12D.01TCGA | -1.1440301 | 0.38369893 | 2.3152666 | -0.7249523 | -0.6258976 |
| ## | C8.A131.01TCGA | -1.5998532 | 0.61028980 | 3.0066353 | -0.2195258 | -0.9076656 |
| ## | A0.A12B.01TCGA | 1.6709815 | 0.07184106 | -1.1143498 | -0.4103954 | -0.5406547 |
| ## | BH.A18Q.02TCGA | 0.4194812 | -0.15592444 | -0.8551093 | 1.2290636 | -0.5774426 |
| ## | C8.A130.02TCGA | 1.2541105 | -0.77940817 | 0.3127882 | -0.1267143 | 3.5860973 |
| ## | C8.A138.03TCGA | 0.6366257 | 0.13559760 | 1.0645109 | 0.3184546 | 0.5927400 |
| ## | | NP_001320 | NP_001012632 | NP_001319 | NP_002309 | NP_112180 |
| ## | A0.A12D.01TCGA | -0.6258976 | -0.13062383 | -0.11919443 | 1.5037796 | -1.1516497 |
| ## | C8.A131.01TCGA | -0.9076656 | 0.29050720 | 0.26621992 | 0.9462639 | -0.6202660 |
| ## | A0.A12B.01TCGA | -0.5406547 | 0.32404518 | 0.28801602 | -1.6298439 | 0.4847907 |
| ## | BH.A18Q.02TCGA | -0.5774426 | -0.73802089 | -0.89525383 | -1.0725591 | -0.3198482 |
| ## | C8.A130.02TCGA | 3.5860973 | 1.14259498 | 1.08355734 | 0.1947129 | -0.5038992 |
| ## | C8.A138.03TCGA | 0.5927400 | 0.06611196 | 0.08074051 | 1.7995959 | -0.4020019 |
| ## | | NP_001185951 | NP_056127 | NP_055177 | NP_689929 | NP_116584 |
| ## | A0.A12D.01TCGA | -1.2888025 | 2.7953012 | -0.1344336 | 0.4027479 | 0.61990641 |
| ## | C8.A131.01TCGA | -0.6364575 | 1.0596046 | -1.0452935 | 0.9462639 | 0.34312966 |
| ## | A0.A12B.01TCGA | -1.4358407 | 0.6067355 | 3.9269612 | -1.0783206 | -0.29399349 |
| ## | BH.A18Q.02TCGA | -0.3365751 | -0.9353984 | 0.1919953 | 0.1919953 | 0.03476232 |
| ## | C8.A130.02TCGA | -0.5235784 | -0.6219745 | -0.2480694 | 1.6476948 | -0.12343440 |
| ## | C8.A138.03TCGA | 2.1360527 | 0.5013115 | 0.9291968 | -0.4020019 | -0.74943008 |
| ## | | NP_004626 | NP_004025 | NP_001240752 | NP_001113 | NP_001012533 |
| ## | A0.A12D.01TCGA | 1.0656528 | -0.31349414 | -0.1001454 | -2.2907794 | -1.15545953 |
| ## | C8.A131.01TCGA | 2.0958621 | -0.30857917 | -0.5838351 | 2.0432396 | -0.01713175 |
| ## | A0.A12B.01TCGA | 0.3351311 | 0.85893964 | 0.8866544 | -2.2451111 | 2.36939290 |
| ## | BH.A18Q.02TCGA | 0.1183969 | 0.01803541 | -1.6513101 | -2.4006757 | 1.25248132 |
| ## | C8.A130.02TCGA | -0.2119909 | 1.14587485 | -1.4058631 | -0.9696406 | 0.09959668 |
| ## | C8.A138.03TCGA | -0.8152586 | 1.65696749 | 0.1977690 | -4.4467978 | -0.07651647 |
| ## | | NP_005008 | NP_001156736 | NP_036361 | NP_060939 | NP_001034662 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|------------|
| ## | A0.A12D.01TCGA | 0.5284713 | -0.1953904 | 1.1227998 | 0.28464417 | 0.7532493 |
| ## | C8.A131.01TCGA | -0.6202660 | -0.5231169 | 1.6991698 | 0.05977799 | 1.0069821 |
| ## | A0.A12B.01TCGA | -0.6515136 | -0.3217082 | -1.2362946 | -2.42525691 | -0.1914490 |
| ## | BH.A18Q.02TCGA | 0.3090836 | 0.9212885 | 0.4529351 | -0.80492852 | -1.3033904 |
| ## | C8.A130.02TCGA | 0.7326114 | 0.6735737 | 0.2307914 | -0.37926417 | -1.3861839 |
| ## | C8.A138.03TCGA | -0.8957156 | -0.4020019 | 1.6459961 | -0.47514464 | -1.5869149 |
| ## | | NP_006566 | NP_060796 | NP_001231001 | NP_689647 | NP_004541 |
| ## | A0.A12D.01TCGA | 0.57418883 | 2.03334153 | 2.47908792 | -0.3173039 | -0.1496728 |
| ## | C8.A131.01TCGA | 1.24175922 | -0.12237665 | 1.62630791 | 0.4078958 | 0.2419326 |
| ## | A0.A12B.01TCGA | -1.06446323 | -2.50008670 | -2.11762331 | 0.9199121 | 0.4598474 |
| ## | BH.A18Q.02TCGA | -0.08567142 | 1.94832075 | 1.83792315 | 0.7841279 | 0.4964250 |
| ## | C8.A130.02TCGA | 1.13275538 | -0.19887138 | -0.28742784 | -0.8023673 | -0.5104589 |
| ## | C8.A138.03TCGA | 2.01170999 | 0.01125487 | 0.05879768 | 1.1266823 | -0.1972021 |
| ## | | NP_003819 | NP_001138422 | NP_000433 | NP_060501 | NP_055659 |
| ## | A0.A12D.01TCGA | 0.16654043 | -0.3668313 | 0.46751448 | 0.77229834 | 0.2503560 |
| ## | C8.A131.01TCGA | -0.13452029 | -1.8548697 | 0.84911477 | 0.07596952 | 0.2419326 |
| ## | A0.A12B.01TCGA | -0.32170823 | -0.2524214 | -1.13375008 | 0.69265120 | -0.3909951 |
| ## | BH.A18Q.02TCGA | 0.58675033 | -0.8618000 | -0.40013732 | -0.55737027 | -0.7580932 |
| ## | C8.A130.02TCGA | -0.08407597 | 2.3659861 | -0.47110050 | 0.18487328 | 0.4603823 |
| ## | C8.A138.03TCGA | -0.59217310 | -1.1992582 | 0.02222628 | 0.37696878 | 1.8581101 |
| ## | | NP_004805 | NP_006747 | NP_003186 | NP_004451 | NP_859063 |
| ## | A0.A12D.01TCGA | -0.7287621 | -0.5535114 | -0.8621051 | -0.1725316 | -0.6601858 |
| ## | C8.A131.01TCGA | -0.0697542 | -0.4947817 | -1.1424426 | 1.0838919 | 0.8288754 |
| ## | A0.A12B.01TCGA | 0.1355850 | -0.1360195 | 0.6649365 | -1.8986769 | -2.7578338 |
| ## | BH.A18Q.02TCGA | 0.1050153 | -0.7982378 | -0.1124345 | -1.2231013 | 2.7010317 |
| ## | C8.A130.02TCGA | 0.5784575 | 2.0871972 | 3.0580384 | 0.3554265 | 0.4210238 |
| ## | C8.A138.03TCGA | -0.2410877 | -0.1642878 | -1.4040580 | 3.1381089 | 2.7760521 |
| ## | | NP_056017 | NP_071347 | NP_060679 | NP_006092 | NP_065132 |
| ## | A0.A12D.01TCGA | 0.09796406 | 0.5475202 | 1.3475779 | 0.07891507 | 0.4103675 |
| ## | C8.A131.01TCGA | 0.60219404 | 1.1850889 | 0.5657631 | 1.32676472 | 1.1324664 |
| ## | A0.A12B.01TCGA | 0.04689779 | 0.3240452 | 0.1660712 | -1.56055706 | -0.2496499 |
| ## | BH.A18Q.02TCGA | -0.13919753 | -0.5908241 | -1.3970611 | 0.01469003 | 0.1685776 |
| ## | C8.A130.02TCGA | 0.18487328 | -0.7630088 | 1.1458749 | 0.43414331 | -0.7531692 |
| ## | C8.A138.03TCGA | 2.65170934 | 1.3461107 | -0.8042872 | 0.01491201 | 2.1799384 |
| ## | | NP_002694 | NP_001185885 | NP_001185886 | NP_001027467 | NP_057626 |
| ## | A0.A12D.01TCGA | -2.0279033 | 0.5056125 | 0.50561247 | 0.2313070 | 0.1932090 |
| ## | C8.A131.01TCGA | -1.2436397 | 0.9948385 | 0.99483849 | 0.2986030 | 0.5900504 |
| ## | A0.A12B.01TCGA | 0.5041910 | -0.0916759 | -0.09167590 | 1.2053739 | -0.6986287 |
| ## | BH.A18Q.02TCGA | -0.6309687 | -0.1458883 | -0.08232604 | 1.2357544 | 1.5334934 |
| ## | C8.A130.02TCGA | 0.3062284 | 0.6998127 | 0.59813675 | 0.5489387 | -0.2677486 |
| ## | C8.A138.03TCGA | -2.0294288 | -0.2118306 | -0.20085921 | 0.3038260 | -1.3162866 |
| ## | | NP_001035917 | NP_001258906 | NP_002809 | NP_000402 | NP_067064 |
| ## | A0.A12D.01TCGA | 0.2427364 | 0.7265808 | -0.3134941 | 1.3209093 | 0.1398718 |
| ## | C8.A131.01TCGA | 0.3957521 | 0.2986030 | -1.6322362 | 0.4443267 | 0.1609750 |
| ## | A0.A12B.01TCGA | -0.5877697 | 0.1799285 | 0.5707064 | 0.2076433 | -0.4824537 |
| ## | BH.A18Q.02TCGA | 1.3561882 | 0.1685776 | 1.7208348 | 0.2287945 | -0.4068281 |
| ## | C8.A130.02TCGA | -0.2907077 | 0.1750337 | -0.7039712 | 0.7719698 | 1.6673740 |
| ## | C8.A138.03TCGA | -1.0237155 | -0.3142305 | 1.9605100 | -1.6746863 | -1.4333151 |
| ## | | NP_001135869 | NP_055587 | NP_002452 | NP_061167 | NP_149094 |
| ## | A0.A12D.01TCGA | 1.12660957 | 1.12660957 | 0.3227422 | -2.0583817 | 2.9019755 |
| ## | C8.A131.01TCGA | 1.08389187 | 1.08389187 | 1.9218032 | -0.6405054 | -1.0210062 |
| ## | A0.A12B.01TCGA | -1.21135135 | -1.21135135 | -1.5245279 | 0.1688426 | -1.5356138 |
| ## | BH.A18Q.02TCGA | 1.27255361 | 1.32273434 | -0.6677679 | -1.8453423 | 0.2823206 |
| ## | C8.A130.02TCGA | 0.35870632 | 0.09303695 | 0.3488667 | -0.7531692 | 1.6968928 |

```

## C8.A138.03TCGA -0.07285933 0.10268335 -0.1752592 -0.8993728 0.7317113
## NP_057381 NP_054859 NP_110395 NP_003694 NP_002305
## A0.A12D.01TCGA -0.7668601 0.68848278 -0.60684860 -0.7059034 3.4963040
## C8.A131.01TCGA 0.2419326 -0.37739315 0.63862496 -0.7295588 1.1203228
## A0.A12B.01TCGA 1.3661194 -0.95637575 -0.83720238 -2.4335713 -0.9092607
## BH.A18Q.02TCGA -0.3867558 0.35591898 0.08159767 -0.2562859 0.6168588
## C8.A130.02TCGA -0.5760563 0.67029387 -0.07095650 1.2672300 1.3361072
## C8.A138.03TCGA -1.1517154 0.08074051 -1.57594353 -0.7238301 -1.0785726
## NP_038460 NP_009297 NP_005148 NP_009298 NP_056541
## A0.A12D.01TCGA -0.3325431 0.7608689 0.7608689 0.84849430 0.51323206
## C8.A131.01TCGA 0.6912474 0.8572105 0.8572105 0.47266185 -0.35310586
## A0.A12B.01TCGA -0.8205735 -0.5046255 -0.5046255 -0.03347495 1.13054408
## BH.A18Q.02TCGA 1.8278870 -1.3669527 -1.3669527 -1.01234220 -1.30339042
## C8.A130.02TCGA -1.1533132 -0.5432576 -0.5432576 0.25047065 -0.04799742
## C8.A138.03TCGA -0.8189157 0.9913682 0.9913682 1.28759644 0.34039739
## NP_001017930 NP_001130005 NP_777567 NP_588615 NP_060439
## A0.A12D.01TCGA -1.5859667 -0.02013968 -0.2563472 -0.39349990 0.11320326
## C8.A131.01TCGA -2.0329764 7.36620307 -0.1223767 0.04763435 -0.22762155
## A0.A12B.01TCGA -1.4995846 -2.06219383 0.5180484 -0.01684611 -0.31339381
## BH.A18Q.02TCGA -0.1826875 -11.32615448 -0.8818723 2.52372643 -0.45700881
## C8.A130.02TCGA 1.2114722 0.14879472 0.2406310 -0.41206286 0.45382252
## C8.A138.03TCGA NA NA 1.1669108 -0.14234498 0.07708337
## NP_001138303 NP_057322 NP_005735 NP_055487 NP_004374
## A0.A12D.01TCGA -2.6489004 0.26178538 0.2465462 -0.61065840 -0.3630215
## C8.A131.01TCGA -1.5269913 0.32289025 -0.2681004 -0.06570632 1.1608016
## A0.A12B.01TCGA 0.7841098 0.24090096 -0.3688233 -0.06673264 -1.0727777
## BH.A18Q.02TCGA 1.9717384 0.28566596 0.1819591 -0.93874380 1.7743609
## C8.A130.02TCGA 2.1199959 0.47022187 1.0704379 0.31934790 0.5128602
## C8.A138.03TCGA -1.5796007 -0.02897366 0.1465690 2.94428048 -0.6799444
## NP_002369 NP_647611 NP_055857 NP_001161206 NP_000088
## A0.A12D.01TCGA -4.9843067 -4.9843067 -0.03537887 -0.1382434 -0.33635293
## C8.A131.01TCGA -0.1871427 -0.1871427 0.48075761 -1.1910172 0.00715554
## A0.A12B.01TCGA -1.9596493 -1.9596493 0.18547148 1.4714354 0.27415865
## BH.A18Q.02TCGA 2.0553730 2.0553730 -4.90636669 0.4596258 0.45962582
## C8.A130.02TCGA 0.7457309 0.7457309 0.02415970 1.5591383 -0.64821342
## C8.A138.03TCGA -2.3475999 -2.3475999 0.55982574 0.3001689 0.35502595
## NP_683877 NP_001491 NP_005085 NP_940982 NP_005877
## A0.A12D.01TCGA 0.0141485 1.9800044 0.8027767 2.16668447 -0.218249185
## C8.A131.01TCGA -0.6405054 0.5333801 0.1528793 1.32271684 0.472661847
## A0.A12B.01TCGA 0.6981942 0.8173675 -1.0616918 -0.64874215 -0.485225193
## BH.A18Q.02TCGA -0.7580932 -0.1258160 -1.8654146 0.34922822 0.081597670
## C8.A130.02TCGA 1.1688339 0.3685459 -1.2156307 0.04055904 0.001200618
## C8.A138.03TCGA 0.0514834 -0.8372014 -0.2191449 0.30748314 -0.317887658
## NP_001269 NP_055735 NP_001229314 NP_954592 NP_058632
## A0.A12D.01TCGA -0.8278169 0.2313070 -3.3079955 1.00850582 -0.1153846
## C8.A131.01TCGA 0.0152513 0.8491148 1.5372545 0.55361947 0.4362309
## A0.A12B.01TCGA 0.1660712 -2.8132632 -3.3897298 -1.49681316 0.3268167
## BH.A18Q.02TCGA 0.5666780 -2.3103504 2.8147746 0.08828843 0.3458828
## C8.A130.02TCGA 1.0277996 1.0179600 1.1425950 0.99172102 0.7916490
## C8.A138.03TCGA 0.7280541 -0.7165158 -0.4458875 -0.75308722 0.6695399
## NP_001248337 NP_005990 NP_055246 NP_060289 NP_003891
## A0.A12D.01TCGA -0.09633564 -0.60684860 -0.02394948 -0.11919443 -1.707880
## C8.A131.01TCGA -0.85099522 -0.49882958 -0.08189784 -0.79027700 -1.907492
## A0.A12B.01TCGA -1.07277766 -0.20807781 -0.56005499 0.07461253 2.729685

```

```

## BH.A18Q.02TCGA -1.83196076 -0.09570757 0.42951738 0.53991499 -3.886025
## C8.A130.02TCGA 0.77196980 -0.08407597 0.56205819 0.97532167 -2.950681
## C8.A138.03TCGA 1.68988174 -0.54097315 0.28919744 1.37902492 -2.508514
## NP_002871 NP_001645 NP_001243125 NP_004324 NP_006779
## AO.A12D.01TCGA 0.2198776 0.34941074 0.26940498 -0.17634141 1.0275548
## C8.A131.01TCGA -0.1669033 0.02739495 0.12049621 -0.25595672 0.1609750
## AO.A12B.01TCGA -0.4519675 -0.05841822 0.05244074 0.04135484 -0.3411086
## BH.A18Q.02TCGA -0.1224706 -0.25628590 -0.25628590 -0.61758714 0.2187583
## C8.A130.02TCGA 3.0252397 0.76868993 0.76868993 0.03727918 -0.1824720
## C8.A138.03TCGA 0.2270261 0.62931139 0.61833997 0.12828332 0.7170827
## NP_061877 NP_058431 NP_005197 NP_004625 NP_997198
## AO.A12D.01TCGA -0.523033038 -0.2220590 -0.1001454 0.0293877 -0.2944451
## C8.A131.01TCGA -0.004988103 0.8774499 0.7560135 -0.3490580 -1.8670133
## AO.A12B.01TCGA 0.215957698 1.7956978 1.7485828 -1.7185311 2.1393606
## BH.A18Q.02TCGA -1.049141399 -0.6142418 -0.4971534 -0.7781655 1.5736380
## C8.A130.02TCGA -0.189031776 0.5620582 0.3127882 0.5850173 0.3226278
## C8.A138.03TCGA -0.204516344 -0.4751446 -0.5336589 0.4501116 -0.7786872
## NP_002035 NP_001473 NP_150644 NP_036356 NP_001186326
## AO.A12D.01TCGA 1.5837853 -2.3288774 -0.4201685 -0.39730970 -0.39730970
## C8.A131.01TCGA 0.9138809 0.2257411 0.6952953 0.22574111 0.22574111
## AO.A12B.01TCGA -0.3411086 -1.4108975 -1.5411567 -0.49353961 -0.49353961
## BH.A18Q.02TCGA 1.2491359 -1.1796113 -2.2869327 -0.42020961 -0.42020961
## C8.A130.02TCGA -1.4452216 -1.1926716 0.3882251 -0.28086810 -0.28086810
## C8.A138.03TCGA -1.1005154 -3.1338848 -0.8335443 -0.08017361 -0.08017361
## NP_071938 NP_036468 NP_056393 NP_653304 NP_000261
## AO.A12D.01TCGA -1.13641054 -0.9916382 0.4637047 -0.462076267 0.6084770
## C8.A131.01TCGA -0.60407448 -0.9683838 -0.1142809 -0.292387649 1.8327498
## AO.A12B.01TCGA 0.92268354 -0.1997634 0.5513060 -0.008531686 -1.7822750
## BH.A18Q.02TCGA 0.07825229 -0.4202096 -0.1994144 -0.875181542 -0.5372980
## C8.A130.02TCGA 0.04055904 -0.3497454 1.3131482 1.582097412 -0.7728484
## C8.A138.03TCGA 0.64028280 0.4939972 -1.7844005 1.814224476 0.3184546
## NP_078941 NP_005638 NP_150600 NP_001077083 NP_443134
## AO.A12D.01TCGA 0.3113128 -0.5306526 -0.5001742 -1.7612174 -1.0221166
## C8.A131.01TCGA -0.9481444 -1.2557833 -1.4176985 -0.3328665 0.4078958
## AO.A12B.01TCGA -0.8593742 -0.4796822 -1.0949494 1.0695717 0.1910144
## BH.A18Q.02TCGA -0.2629767 -0.3298843 -0.6209325 -0.4269004 -0.1626152
## C8.A130.02TCGA 1.1491547 1.7723298 1.6837733 -1.0614769 -0.1824720
## C8.A138.03TCGA -0.6360588 -0.9652013 -0.7677158 1.0059967 -0.1569735
## NP_057321 NP_631961 NP_004951 NP_002604 NP_055531
## AO.A12D.01TCGA -0.30206474 -0.4658861 -1.33071025 0.03319749 0.2122580
## C8.A131.01TCGA -0.02522751 -0.9319528 -1.87510909 0.64267285 1.1729452
## AO.A12B.01TCGA -0.24687844 0.9420839 0.72313742 0.90328322 -1.6437013
## BH.A18Q.02TCGA -0.42690037 0.7105295 0.55329651 0.23548523 2.4099834
## C8.A130.02TCGA -0.05783702 1.0573184 1.17867354 0.77196980 -0.8187666
## C8.A138.03TCGA 0.70976845 -0.5592588 0.08439765 2.50542378 -0.9944584
## NP_001245308 NP_002330 NP_005409 NP_056504 NP_008998
## AO.A12D.01TCGA 1.61807353 0.37607933 1.3132897 -1.9631367 -0.95735003
## C8.A131.01TCGA -0.04546691 0.58195463 1.4117702 -2.5551531 -1.06958079
## AO.A12B.01TCGA 0.92268354 -3.93571017 -0.1055333 1.7513542 0.04412632
## BH.A18Q.02TCGA -0.96885223 1.32942510 0.5131519 0.5566419 0.90121623
## C8.A130.02TCGA -1.91424280 -0.30382719 -0.3956635 -0.3956635 0.16191419
## C8.A138.03TCGA -2.47925691 0.05514054 1.3058821 -0.1460021 -0.23011632
## NP_115564 NP_006452 NP_056076 NP_444505 NP_061955
## AO.A12D.01TCGA 0.61228682 1.4390130 -0.7440013 0.07129548 -0.41254889

```



```

## C8.A131.01TCGA -0.59193084 -0.1507118 -0.7174151 0.20550171 -1.12220324
## A0.A12B.01TCGA 0.02195453 -1.3443821 -1.0062623 -0.11939064 -0.88154596
## BH.A18Q.02TCGA 0.34588284 -1.2264466 1.2825898 -0.16596059 -0.09570757
## C8.A130.02TCGA 0.56861793 -0.3300661 -1.4878598 0.67029387 1.42138384
## C8.A138.03TCGA 0.64393994 -1.7917147 -0.8189157 -0.31423052 0.49399724
## NP_057025 NP_001171501 NP_973726 NP_653081 NP_005326
## A0.A12D.01TCGA 0.7532493 -0.1077650 0.04843669 0.56275944 0.2808344
## C8.A131.01TCGA -0.4016804 -0.1749991 0.13263985 -0.03332327 1.2781902
## A0.A12B.01TCGA -1.5910433 0.7120515 0.72313742 0.07461253 -1.9430205
## BH.A18Q.02TCGA 1.1287022 -0.2964305 -0.23621361 0.28901134 1.8579954
## C8.A130.02TCGA 0.6998127 0.9326834 0.66701400 0.40790436 -0.4153427
## C8.A138.03TCGA -0.2703448 -0.3434876 -0.28131627 1.93856721 -0.3910304
## NP_085046 NP_001001851 NP_079197 NP_001185824 NP_059122
## A0.A12D.01TCGA -0.89639326 -0.89639326 0.9285001 0.9170707 0.01033871
## C8.A131.01TCGA -2.86683992 -2.86683992 -0.7902770 1.8206062 -0.20333427
## A0.A12B.01TCGA -0.88708891 -0.88708891 -2.1758243 0.7065086 0.39610350
## BH.A18Q.02TCGA -0.61424176 -0.61424176 -0.6476956 -2.4843102 -0.81831005
## C8.A130.02TCGA 0.01104023 0.01104023 -3.4721805 -1.1828320 -0.27758824
## C8.A138.03TCGA -1.08222974 -1.01640124 3.8658795 -0.7823443 -0.47148750
## NP_001005743 NP_004747 NP_005408 NP_005424 NP_005347
## A0.A12D.01TCGA 0.8865923 -0.07728665 1.43901302 1.94190638 -0.06585726
## C8.A131.01TCGA 0.6831517 0.65481649 2.25777734 -0.05356267 2.90543828
## A0.A12B.01TCGA 0.2797016 0.26584423 -1.53007084 -1.14483597 -3.51167467
## BH.A18Q.02TCGA -0.5540249 -0.68449478 0.48304349 0.29570211 1.64054562
## C8.A130.02TCGA 0.2307914 0.76541006 0.06351813 0.57189780 0.73261137
## C8.A138.03TCGA 1.0974252 -0.22645918 0.94382535 0.76828267 0.43914015
## NP_002028 NP_835224 NP_003636 NP_001123493 NP_001123492
## A0.A12D.01TCGA 1.3132897 -0.78209931 -3.2927563 1.36281705 1.3513877
## C8.A131.01TCGA 1.9663299 -0.44215924 -2.0613116 1.36724353 1.3672435
## A0.A12B.01TCGA -2.2977691 -0.70971458 0.6344503 -0.06396116 -0.1498769
## BH.A18Q.02TCGA 1.8981400 -0.42020961 -2.5545632 -0.47039034 -0.4703903
## C8.A130.02TCGA 0.9851613 0.06679799 -1.3402657 0.31606803 0.3160680
## C8.A138.03TCGA -0.5153732 0.06611196 -0.9213156 -1.17731536 -1.1773154
## NP_444271 NP_115759 NP_612453 NP_065819 NP_938167
## A0.A12D.01TCGA -0.31730394 -0.614468194 0.06748568 -0.4544567 1.1304194
## C8.A131.01TCGA 0.03953859 -0.004988103 1.10817915 0.1974059 1.0312694
## A0.A12B.01TCGA 0.35453139 -0.219163701 -1.52729937 -3.1098110 -2.5250300
## BH.A18Q.02TCGA -0.58078794 0.409445092 1.80781471 3.1660397 2.2928951
## C8.A130.02TCGA 0.18159341 -0.271028498 -0.21855060 0.2406310 0.5292595
## C8.A138.03TCGA 0.28919744 -0.175259230 -0.60314451 -1.9928574 -1.9928574
## NP_000333 NP_079032 NP_065797 NP_066553 NP_001001503
## A0.A12D.01TCGA -2.462220 -0.55732122 -0.15729241 1.31328968 -0.6754250
## C8.A131.01TCGA 5.245113 1.34295625 -0.06165844 0.44432668 -0.9319528
## A0.A12B.01TCGA -1.712988 0.66770794 0.13835643 0.13835643 0.6815653
## BH.A18Q.02TCGA -4.678881 0.10501534 -1.30004504 0.07825229 0.6302403
## C8.A130.02TCGA -5.056357 0.04383891 -0.42190247 0.03727918 0.2734297
## C8.A138.03TCGA -3.506913 -1.30897237 0.87799685 -0.43857325 -1.1736582
## NP_055186 NP_055815 NP_009202 NP_001248357 NP_055461
## A0.A12D.01TCGA 0.3075030 0.4865635 0.49418307 0.59323782 1.2866211
## C8.A131.01TCGA 0.2378848 1.2377113 0.20145383 -0.31262705 1.3874829
## A0.A12B.01TCGA 0.5263628 -0.5545120 -1.71298812 0.06906958 -1.1586933
## BH.A18Q.02TCGA -0.2629767 1.8044693 1.48665805 1.67734482 -0.4402819
## C8.A130.02TCGA 0.9195639 -0.1955915 0.30950829 -0.85484516 -0.4350219
## C8.A138.03TCGA -1.2614296 0.1831404 0.09902621 -1.22851531 0.9291968

```

| | NP_057164 | NP_116219 | NP_060615 | NP_005179 | NP_733762 |
|----|----------------|--------------|--------------|--------------|--------------|
| ## | | | | | |
| ## | AO.A12D.01TCGA | -1.5669177 | 0.235116797 | -0.56113102 | 0.3684597 |
| ## | C8.A131.01TCGA | -1.2719748 | -0.089993602 | -0.03737115 | 1.7922710 |
| ## | AO.A12B.01TCGA | 1.6404953 | -0.936975435 | 0.82845342 | -0.7069431 |
| ## | BH.A18Q.02TCGA | 0.6034772 | -0.005382259 | -0.11912524 | 1.5636018 |
| ## | C8.A130.02TCGA | 0.1815934 | 1.326267640 | -1.07459637 | -0.2611889 |
| ## | C8.A138.03TCGA | -0.7311444 | -0.471487503 | -1.11148686 | -0.5921731 |
| ## | | NP_055051 | NP_003175 | NP_001092094 | NP_001180207 |
| ## | AO.A12D.01TCGA | 2.136206 | -0.542082029 | -1.9859955 | 0.2922638 |
| ## | C8.A131.01TCGA | -1.611997 | 0.075969516 | -0.8671867 | -0.4704944 |
| ## | AO.A12B.01TCGA | -1.826619 | -0.587769726 | -1.9873640 | -1.5605571 |
| ## | BH.A18Q.02TCGA | -1.350226 | -0.005382259 | -1.2933543 | -1.2933543 |
| ## | C8.A130.02TCGA | -1.625614 | 0.365266062 | 1.5263396 | 0.8736457 |
| ## | C8.A138.03TCGA | 2.457881 | 0.640282804 | 0.9511396 | 0.6731971 |
| ## | | NP_001130046 | NP_056216 | NP_002010 | NP_001153392 |
| ## | AO.A12D.01TCGA | -1.1059322 | 0.185589421 | 0.04081709 | 0.11701305 |
| ## | C8.A131.01TCGA | -1.2517354 | 0.379560586 | 1.65464308 | 1.91370746 |
| ## | AO.A12B.01TCGA | 1.4437206 | 0.019183053 | -1.08663502 | -1.10603534 |
| ## | BH.A18Q.02TCGA | 0.5298788 | 0.001308505 | -0.90528998 | -0.97219762 |
| ## | C8.A130.02TCGA | -0.3530252 | 0.329187505 | 0.13239537 | -0.06111689 |
| ## | C8.A138.03TCGA | -0.1350307 | 0.197768964 | -1.77708618 | -1.04200121 |
| ## | | NP_859048 | NP_005800 | NP_006397 | NP_777573 |
| ## | AO.A12D.01TCGA | -0.9725892 | -1.2011771 | 0.04462689 | -0.2258688 |
| ## | C8.A131.01TCGA | -0.9886232 | 0.3674169 | 0.57385887 | 0.5536195 |
| ## | AO.A12B.01TCGA | -0.1443339 | 1.5989232 | -1.81830413 | -1.0062623 |
| ## | BH.A18Q.02TCGA | -0.6844948 | -1.5409125 | 0.51649731 | -0.7748201 |
| ## | C8.A130.02TCGA | 0.6079764 | 0.2865492 | 0.83428731 | 1.4673020 |
| ## | C8.A138.03TCGA | -0.3800590 | -1.4698865 | -0.32154480 | -0.4897732 |
| ## | | NP_004472 | NP_003765 | NP_001186711 | NP_056268 |
| ## | AO.A12D.01TCGA | 2.92864410 | 0.3722695 | 0.3722695 | -0.17253161 |
| ## | C8.A131.01TCGA | 1.30247744 | 2.0270481 | 2.0270481 | -0.04141903 |
| ## | AO.A12B.01TCGA | -0.47691077 | -0.2995364 | -0.2995364 | 0.32958813 |
| ## | BH.A18Q.02TCGA | -0.53729797 | -1.7583624 | -2.0527560 | -1.30673580 |
| ## | C8.A130.02TCGA | -0.09063571 | 2.2905491 | 2.2741497 | 0.70637242 |
| ## | C8.A138.03TCGA | 0.45011157 | -0.2118306 | -0.2118306 | 0.19411182 |
| ## | | NP_009115 | NP_001263223 | NP_987101 | NP_987100 |
| ## | AO.A12D.01TCGA | -0.8087679 | -0.7973385 | 2.65814843 | 2.547664283 |
| ## | C8.A131.01TCGA | 0.2662199 | 0.3431297 | -0.03332327 | 0.003107659 |
| ## | AO.A12B.01TCGA | 0.4681618 | 0.5568490 | -0.95914723 | -0.945289856 |
| ## | BH.A18Q.02TCGA | -0.1425429 | -0.1525791 | -1.19633820 | -1.343535003 |
| ## | C8.A130.02TCGA | -1.0450776 | -0.9663607 | 0.65389452 | 0.653894522 |
| ## | C8.A138.03TCGA | 0.1758261 | 0.2526261 | -2.04040021 | -2.036743066 |
| ## | | NP_001157 | NP_001156 | NP_005566 | NP_787116 |
| ## | AO.A12D.01TCGA | 0.39131852 | -1.53262955 | 0.22368740 | 0.2922638 |
| ## | C8.A131.01TCGA | 0.31884237 | -0.93195284 | -0.33691434 | -0.4259677 |
| ## | AO.A12B.01TCGA | 0.18547148 | -1.09772092 | 0.02749747 | -0.2163922 |
| ## | BH.A18Q.02TCGA | -0.06894451 | -0.60755099 | 1.15546525 | 1.1688468 |
| ## | C8.A130.02TCGA | 0.01104023 | -0.44158168 | -2.18319205 | -2.0847960 |
| ## | C8.A138.03TCGA | 1.69353888 | -0.06554506 | 1.10839662 | 1.1888537 |
| ## | | NP_001245244 | NP_004783 | NP_006215 | NP_036531 |
| ## | AO.A12D.01TCGA | 1.2447133 | 0.2389266 | -0.7820993 | -0.1306238 |
| ## | C8.A131.01TCGA | 1.9987130 | -0.3733453 | 0.9422160 | -0.7133673 |
| ## | AO.A12B.01TCGA | -2.3587415 | -0.3161653 | -0.7845444 | -0.5406547 |
| ## | BH.A18Q.02TCGA | -0.1994144 | -0.8116193 | 0.9547423 | 0.7473287 |

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## C8.A130.02TCGA    0.1783135  1.5788175  0.3193479  0.5784575 -1.428822
## C8.A138.03TCGA    -0.1935449 -0.3581162  1.0242824 -0.3361734 -1.133430
##                    NP_006209 NP_001157207 NP_065941 NP_005237 NP_001996
## A0.A12D.01TCGA    0.4713243  -0.5192232  1.2599525  0.6351456  0.29226377
## C8.A131.01TCGA    -1.0614850   0.3026508  0.4888534 -0.3935847  1.77607951
## A0.A12B.01TCGA    -2.4917723   0.5623919 -2.0344791  0.2298151  0.01086863
## BH.A18Q.02TCGA    0.8510355  -0.2127959  0.3559190  0.5633327  2.30962199
## C8.A130.02TCGA    0.3324674   0.3193479 -0.2972674 -0.5202985 -0.29726745
## C8.A138.03TCGA    0.3038260  -0.5080589  0.1831404 -0.1021164  1.35708208
##                    NP_055362 NP_055363 NP_001078880 NP_039234 NP_005782
## A0.A12D.01TCGA    0.6199064 -0.80495810 -0.9230618  1.4809208 -0.03156908
## C8.A131.01TCGA    1.1608016  0.48885337   0.9948385  0.5252843 -1.09791595
## A0.A12B.01TCGA    0.1078702 -0.05287527   3.0539469 -0.8427453 -0.72911489
## BH.A18Q.02TCGA    -0.3064666  2.19587901  -1.0156876  2.4099834 -0.40013732
## C8.A130.02TCGA    -0.4776602 -0.25462915   0.5292595 -0.2021513  0.75229059
## C8.A138.03TCGA    0.1209690 -0.34348763  -2.6950281 -0.0326308 -0.70188727
##                    NP_038470 NP_061994 NP_620164 NP_997245 NP_002885
## A0.A12D.01TCGA    0.07510527  0.34560094 -1.8831310 -0.04680827 -2.0317131
## C8.A131.01TCGA    -0.90766555  0.05573011 -3.8464271  1.66678672 -0.3247707
## A0.A12B.01TCGA    1.32731872  0.43490413  3.7107863  1.69592475  2.0589878
## BH.A18Q.02TCGA    -0.00872764 -0.91867151 -5.2208326 -2.50772789 -0.2429044
## C8.A130.02TCGA    -0.47438037  0.11927590  0.8080484 -0.57277643 -1.4976995
## C8.A138.03TCGA    1.07548236  0.87068257  1.1961680  0.58542572 -1.1882868
##                    NP_995315 NP_001231931 NP_001231934 NP_005588 NP_001257972
## A0.A12D.01TCGA    -0.5001742  -0.48493506 -0.51922324 -0.50017425  0.3036932
## C8.A131.01TCGA    0.1043047  0.09620892  0.09620892 -0.02117963 -2.1341735
## A0.A12B.01TCGA    0.1743856  0.12172759  0.12172759  0.04689779  1.9675292
## BH.A18Q.02TCGA    -1.0993221  -1.04579602 -1.09932213 -0.99226991  3.2329474
## C8.A130.02TCGA    2.4939010  2.43814319  2.55621847  2.55621847  0.5063004
## C8.A138.03TCGA    -1.8502290  -1.85022897 -1.84291469 -1.85022897 -0.9322870
##                    NP_001177666 NP_002492 NP_005587 NP_005586 NP_060037
## A0.A12D.01TCGA    2.6771974  0.3456009  2.6771974  2.63528964 -0.03156908
## C8.A131.01TCGA    0.3876563 -2.0653595  0.3876563  0.22169323 -0.06570632
## A0.A12B.01TCGA    -2.6580607  2.0728452 -2.6580607 -0.36605182 -0.29399349
## BH.A18Q.02TCGA    3.7882808  3.1426221  3.7916262 -2.34380418  0.89787084
## C8.A130.02TCGA    -0.4842200  0.5587783 -0.6514933  1.70673243 -0.19887138
## C8.A138.03TCGA    0.2562832 -1.0164012  0.2562832  0.02588342 -0.74211580
##                    NP_002632 NP_065206 NP_004528 NP_005960 NP_006370
## A0.A12D.01TCGA    -3.10988599 -3.10988599 -1.3497592 -1.4030964  2.3495548
## C8.A131.01TCGA    1.05555670  1.05555670 -1.5877095 -1.0129105 -0.6364575
## A0.A12B.01TCGA    -2.58323092 -2.58323092 -0.8122591  0.3767032  0.3683888
## BH.A18Q.02TCGA    -0.04218146 -0.04218146 -1.1595390 -1.1093583 -3.1165874
## C8.A130.02TCGA    0.11927590  0.11927590  0.1094363 -1.3730644  0.4243037
## C8.A138.03TCGA    -1.13342969 -1.13342969 -0.1313736  0.2197118 -0.5336589
##                    NP_148935 NP_000445 NP_775837 NP_076936 NP_000035
## A0.A12D.01TCGA    -5.2814709 -2.12695807 -0.820197295 -0.10395524  1.964765164
## C8.A131.01TCGA    -7.4490411 -1.56342226 -0.009035984 -0.06570632 -0.004988103
## A0.A12B.01TCGA    -4.8613824  0.46539035  0.775795421  0.51804835 -0.460281928
## BH.A18Q.02TCGA    -0.4536634  0.01134465  0.653657968  0.73729252 -3.019571315
## C8.A130.02TCGA    2.9170040 -1.33370601 -0.189031776  0.38166541  2.759570335
## C8.A138.03TCGA    -3.5800558 -1.76611477 -0.208173483  0.39525448  0.205083243
##                    NP_004748 NP_001015048 NP_001015049 NP_057305 NP_001129115
## A0.A12D.01TCGA    0.05224649  -0.8468659  -0.8468659 -0.26396676 -0.26396676
## C8.A131.01TCGA    0.23383687   0.2419326   0.2419326  0.22978899  0.38765635

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## A0.A12B.01TCGA 0.10509874 -0.3605089 -0.3605089 0.79242426 0.70096563
## BH.A18Q.02TCGA -0.65773172 0.1618868 0.1618868 -0.08567142 -0.06894451
## C8.A130.02TCGA 1.06387813 0.6243757 0.6243757 -0.19887138 -0.03815781
## C8.A138.03TCGA 0.42085445 1.2473679 1.2473679 0.50496865 0.36965451
## NP_003016 NP_003017 NP_005318 NP_001805 NP_057951
## A0.A12D.01TCGA -0.8049581 -0.6449466 -1.6126353 0.1246326 0.261785384
## C8.A131.01TCGA 1.4158181 1.6505952 -1.0817244 2.3346871 0.278363562
## A0.A12B.01TCGA -0.3632803 -0.8954033 0.8201390 -0.1692772 -0.856602692
## BH.A18Q.02TCGA 0.4696620 0.7306018 0.3592644 1.5669472 -0.002036877
## C8.A130.02TCGA 1.3689059 1.6837733 -0.9368419 -0.6842920 0.093036946
## C8.A138.03TCGA 0.1246262 0.3001689 -1.2614296 -0.8664585 -0.069202195
## NP_001093862 NP_001026902 NP_006461 NP_001032407 NP_005489
## A0.A12D.01TCGA -0.004900488 0.58942803 -0.29063535 -0.2868256 0.6656240
## C8.A131.01TCGA -0.223573673 -1.03314986 1.32271684 2.1484846 -0.1102330
## A0.A12B.01TCGA -0.859374166 -0.92311807 -1.45524105 -1.5577856 0.7591666
## BH.A18Q.02TCGA -4.083402747 0.03810771 -3.51803321 -4.1168566 -0.4436273
## C8.A130.02TCGA 2.008480364 1.57881754 -0.31694666 -0.4711005 -0.2546292
## C8.A138.03TCGA -0.314230519 -0.35080191 -0.05457364 0.2562832 0.4793687
## NP_001123996 NP_955445 NP_001254509 NP_001104792 NP_076977
## A0.A12D.01TCGA 0.55133004 -0.9573500 -0.6754250 -1.42976500 -0.86591487
## C8.A131.01TCGA 1.56558970 0.3836085 0.6224334 1.38748294 1.77607951
## A0.A12B.01TCGA 0.24090096 -2.2451111 -2.6358889 -2.68023250 -1.82107560
## BH.A18Q.02TCGA 0.49642502 -0.2495951 -0.2730128 0.07825229 0.03810771
## C8.A130.02TCGA 0.65061465 0.8375672 0.8506867 0.28654921 0.24719078
## C8.A138.03TCGA -0.03994508 -0.2520592 -0.2447449 -2.11354299 -1.56131497
## NP_060821 NP_056029 NP_001181 NP_001158245 NP_115551
## A0.A12D.01TCGA 0.1893992 -0.6944740 -1.9478976 -1.8869408 -0.05823766
## C8.A131.01TCGA -0.1061851 -0.7295588 -2.1625086 -2.2313226 -0.58788296
## A0.A12B.01TCGA -1.2224372 1.2802037 4.5976579 4.5976579 -0.57945530
## BH.A18Q.02TCGA 0.6703849 -0.6911855 -0.4938080 -0.5004988 -0.47039034
## C8.A130.02TCGA -1.0811561 -0.7695686 -0.2185506 -0.2152707 1.53289938
## C8.A138.03TCGA 1.1486251 -0.4166304 0.2709117 0.2709117 -0.49708748
## NP_001092108 NP_001135766 NP_001035526 NP_057123 NP_659419
## A0.A12D.01TCGA -0.7097131 0.0179583 -1.7116901 -0.6754250 0.85611390
## C8.A131.01TCGA -1.0938681 -0.7417024 -1.2638791 0.4645661 0.37956059
## A0.A12B.01TCGA -0.1138477 2.5356813 0.1438994 0.5235913 -0.32170823
## BH.A18Q.02TCGA 0.6971479 -0.2863943 0.7172202 0.3291559 0.93132466
## C8.A130.02TCGA 0.7030926 -1.5567371 0.7391711 0.5554985 -0.08735584
## C8.A138.03TCGA 0.1575404 -2.1245144 0.8670254 -0.1972021 0.90359682
## NP_002444 NP_057377 NP_647597 NP_001626 NP_002625
## A0.A12D.01TCGA 0.9094511 0.5208517 -0.4125489 -2.1002895 -2.660330
## C8.A131.01TCGA -0.9076656 2.4237405 0.2824114 -0.5312126 -2.057264
## A0.A12B.01TCGA 1.5906087 -1.6464727 -1.1725507 -1.3970401 1.435406
## BH.A18Q.02TCGA -1.2532097 2.1122445 0.7774371 -2.3939849 1.406369
## C8.A130.02TCGA 0.7621302 -0.2939876 -0.4481414 -2.2947076 1.273790
## C8.A138.03TCGA -0.1825735 -0.5263446 -0.5080589 -2.2122857 -1.641772
## NP_001135858 NP_002601 NP_002602 NP_055918 NP_001248342
## A0.A12D.01TCGA -0.2525374 1.5685462 -1.1516497 -0.008710286 -0.83543649
## C8.A131.01TCGA -1.9601146 -1.3326930 -1.8386782 1.185088890 0.01120342
## A0.A12B.01TCGA -1.0284341 0.3295881 2.5800249 -3.029438211 0.11341316
## BH.A18Q.02TCGA 2.8214654 0.8209271 0.4362081 -0.908635361 0.19534065
## C8.A130.02TCGA 0.2603103 1.6509747 -0.1103149 -0.290707711 -0.70069132
## C8.A138.03TCGA -0.4349161 -1.3053152 -0.9066871 0.120969042 0.24165463
## NP_001248341 NP_000007 NP_056342 NP_008993 NP_001876

```

```

## A0.A12D.01TCGA -0.83543649 -0.68304456 0.2998834 -1.1135518 -0.2753962
## C8.A131.01TCGA 0.01120342 -1.27602271 0.4767097 -0.6890800 0.1285920
## A0.A12B.01TCGA 0.11341316 1.77352602 -0.3244797 -0.6099415 -2.9740087
## BH.A18Q.02TCGA 0.19534065 -0.01876379 -0.1458883 -0.5205711 2.4200196
## C8.A130.02TCGA -0.70069132 0.17175380 0.5489387 1.0441989 -1.6452936
## C8.A138.03TCGA 0.19776896 -2.10622871 0.8487397 -0.3508019 -1.0858869
## NP_001316 NP_056050 NP_055152 NP_680481 NP_057393
## A0.A12D.01TCGA -0.33254313 -0.1915806 0.3227422 0.32274215 -0.8506757
## C8.A131.01TCGA -0.11832877 -0.2033343 0.0152513 0.01525130 -0.2316694
## A0.A12B.01TCGA 0.34344550 0.2630728 0.6898797 0.89496880 -0.1304765
## BH.A18Q.02TCGA -0.30646663 -0.1994144 -0.1793421 -0.05890837 -0.3967919
## C8.A130.02TCGA 0.66373413 0.6276556 1.2311514 1.36562607 1.5591383
## C8.A138.03TCGA -0.09480217 -0.1606307 -0.4056590 -0.42394469 -0.3837162
## NP_060205 NP_060204 NP_006776 NP_776216 NP_001154806
## A0.A12D.01TCGA 0.3951283 1.1951859 0.3875087 0.3875087 -0.7516209
## C8.A131.01TCGA 0.8086360 0.7398220 1.3065253 1.2215198 -1.9641625
## A0.A12B.01TCGA -0.2357925 -1.6963593 -0.3023079 -0.3023079 -0.2468784
## BH.A18Q.02TCGA -1.4405511 -0.6945309 0.4428989 0.5599873 0.8945255
## C8.A130.02TCGA -0.3497454 -0.9958795 0.7916490 0.7326114 0.4374232
## C8.A138.03TCGA 0.2745689 -1.1188011 -0.1277164 -0.1277164 -0.1313736
## NP_066407 NP_003511 NP_003512 NP_542160 NP_003519
## A0.A12D.01TCGA -0.7173327 -0.7516209 -0.7516209 -0.6944740 -0.7706699
## C8.A131.01TCGA -1.9439231 -1.9641625 -1.9641625 -1.8832049 -1.6039011
## A0.A12B.01TCGA -0.2302496 -0.2468784 -0.2579643 -0.2385640 -0.3133938
## BH.A18Q.02TCGA 0.8844893 0.8911801 0.8945255 0.8811439 0.8911801
## C8.A130.02TCGA 0.4472628 0.4472628 0.4374232 0.4472628 0.4899011
## C8.A138.03TCGA -0.1204021 -0.1240593 -0.1240593 -0.1313736 -0.1533164
## NP_778225 NP_733759 NP_002630 NP_003898 NP_004815
## A0.A12D.01TCGA -0.7706699 -0.1534826 -5.605303790 0.30750296 1.25614271
## C8.A131.01TCGA -1.7455769 -0.2721482 0.003107659 0.11240044 -0.06165844
## A0.A12B.01TCGA -0.3133938 -0.4769108 -4.894640130 0.63722173 -0.23579254
## BH.A18Q.02TCGA 0.9246339 -2.1363905 8.334654720 -0.02210917 -0.13585215
## C8.A130.02TCGA 0.5259796 0.9523626 -0.825326336 -0.74332962 0.42102383
## C8.A138.03TCGA -0.1642878 -0.2301163 -1.477200773 -0.58485882 -0.17525923
## NP_004816 NP_004671 NP_055534 NP_653319 NP_808881
## A0.A12D.01TCGA 1.4999698 1.4999698 0.2808344 0.6770534 -0.4354077
## C8.A131.01TCGA -0.2276216 -0.2276216 -0.4462071 0.2905072 -1.1262511
## A0.A12B.01TCGA -0.6237989 -0.6237989 -1.3083529 1.1638018 0.7148230
## BH.A18Q.02TCGA 0.8142363 0.5599873 -2.4107118 -0.2797036 -0.4369365
## C8.A130.02TCGA 0.1061564 0.6276556 -0.8548452 -1.1992314 -0.4120629
## C8.A138.03TCGA -0.3105734 -0.3105734 -0.4934303 2.2128526 0.7024542
## NP_886552 NP_006351 NP_001880 NP_055118 NP_001020114
## A0.A12D.01TCGA 1.9647652 -0.1077650 -0.6792348 -0.4582665 0.1208229
## C8.A131.01TCGA -0.0697542 -0.2883398 -1.0412456 0.8491148 -1.7536727
## A0.A12B.01TCGA -0.5572835 -0.5073970 0.7813384 -2.3531986 0.3379025
## BH.A18Q.02TCGA 0.1485053 0.4495897 -1.0625229 0.6636941 -0.3800650
## C8.A130.02TCGA -0.2743084 0.2570304 0.2734297 1.2016326 0.8900451
## C8.A138.03TCGA 0.9072540 0.1246262 -1.8246290 -1.1114869 0.3038260
## NP_075559 NP_005048 NP_001180201 NP_115635 NP_000194
## A0.A12D.01TCGA -0.3058745 -0.98020882 -1.00306761 0.52085166 -0.1992002
## C8.A131.01TCGA 0.4888534 -0.17904698 -0.21547791 0.03953859 1.7436965
## A0.A12B.01TCGA -1.2889526 -0.17759159 -0.16373422 1.95367182 3.1204623
## BH.A18Q.02TCGA -0.8417277 0.86107164 0.80754553 -1.04245064 -0.7948924
## C8.A130.02TCGA 0.8047685 0.08975708 0.04055904 -0.34646548 -0.9598010

```

```

## C8.A138.03TCGA 1.5838247 0.63662566 0.73536842 0.41354018 -1.0968583
## NP_060115 NP_005561 NP_005707 NP_573568 NP_060125
## A0.A12D.01TCGA -0.1382434 2.0942983 1.427583622 1.29043089 -2.2031540
## C8.A131.01TCGA 0.6629123 0.2824114 1.152705843 -0.06165844 -0.1264245
## A0.A12B.01TCGA -0.9037177 0.3406740 -0.000217265 0.06352663 -2.0012214
## BH.A18Q.02TCGA 0.1451599 -0.6978763 0.386027419 -1.20637435 0.7841279
## C8.A130.02TCGA -0.1627928 -1.4681806 1.336107247 0.54237898 1.4181040
## C8.A138.03TCGA 0.5305686 0.6695399 -0.409316137 -0.98714413 -1.0383441
## NP_004823 NP_891993 NP_002721 NP_002722 NP_001229787
## A0.A12D.01TCGA -3.79183986 0.9361197 1.10756058 0.9780274 0.9361197
## C8.A131.01TCGA 0.52933218 0.2581242 -0.25595672 0.2581242 0.2014538
## A0.A12B.01TCGA -0.03624642 -1.2667808 -1.25846640 -1.4358407 -1.2667808
## BH.A18Q.02TCGA 0.93467004 -0.1960690 -0.07898066 -0.2395590 -0.2061052
## C8.A130.02TCGA 0.62437570 -0.6350939 0.06023826 -0.5891758 -0.6121349
## C8.A138.03TCGA -0.21183062 -0.9322870 -0.29960196 -0.8006300 -0.9322870
## NP_002723 NP_066272 NP_001101 NP_000962 NP_057122
## A0.A12D.01TCGA 1.3628171 -0.6258976 0.3075030 -0.01632988 0.0293877
## C8.A131.01TCGA -0.1345203 -0.3369143 2.8123370 3.32237002 -0.6121702
## A0.A12B.01TCGA -0.6598280 4.7750322 -0.7928588 -1.67141601 0.5319057
## BH.A18Q.02TCGA 0.1786137 -0.4570088 -0.6711132 -1.76839850 -0.3365751
## C8.A130.02TCGA -0.4907797 -1.5436176 -1.6584130 1.48698121 0.5850173
## C8.A138.03TCGA -0.8664585 2.2567383 0.1904547 -0.16428781 -0.7969729
## NP_955392 NP_955393 NP_003278 NP_071905 NP_653296
## A0.A12D.01TCGA -0.3668313 -0.43921748 -0.03156908 -0.8963933 2.4638487
## C8.A131.01TCGA 0.4726618 0.18526230 -1.10196383 -0.3369143 -0.9400486
## A0.A12B.01TCGA 0.3573029 0.27138717 2.45808006 0.6649365 1.0446284
## BH.A18Q.02TCGA 0.2488668 0.03476232 -0.03883608 -0.3800650 -0.3399204
## C8.A130.02TCGA 0.1291155 0.20783236 0.50958029 -0.8187666 -0.2185506
## C8.A138.03TCGA 1.1230252 1.09011092 -0.02165938 -0.3581162 0.3367403
## NP_006861 XP_001717731 NP_001164014 NP_001164015 NP_002884
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## C8.A131.01TCGA -0.6566969 0.6062419 -0.409776195 -0.23166944 -0.72551091
## A0.A12B.01TCGA 0.4404471 -0.5600550 1.313461353 1.30791840 -0.69308573
## BH.A18Q.02TCGA -0.3165028 -0.2930851 -0.968852235 -0.95212533 -0.90194460
## C8.A130.02TCGA 2.5758977 2.9891612 0.099596684 0.09959668 2.08719722
## C8.A138.03TCGA 0.7573113 0.9474825 -1.378458016 -1.42234369 0.07708337
## NP_005601 NP_001185648 NP_001128727 NP_001128728 NP_059990
## A0.A12D.01TCGA -0.6068486 -0.923061845 -0.6144682 -0.60684860 0.63133581
## C8.A131.01TCGA 0.1366877 -0.725510908 0.1002568 0.06382587 -0.09404148
## A0.A12B.01TCGA 0.4875621 -0.560054987 0.4127323 0.48756214 0.26307275
## BH.A18Q.02TCGA 0.4428989 -0.928707652 0.4596258 0.44289891 -0.33322968
## C8.A130.02TCGA 1.5132202 2.110156299 1.5328994 1.53289938 -0.03159807
## C8.A138.03TCGA -1.6527435 0.007597728 -1.6856577 -1.83194327 0.74999698
## NP_000925 NP_061961 NP_055866 NP_071682 NP_612477
## A0.A12D.01TCGA -0.7859091 -0.8887737 1.4694914 -1.0487852 NA
## C8.A131.01TCGA 0.1488314 -0.1952385 0.4645661 -0.2316694 NA
## A0.A12B.01TCGA -1.8571048 0.7009656 1.3273187 2.3001061 NA
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## C8.A130.02TCGA 0.8342873 0.2832693 -0.1693526 -1.4222625 -0.9794802
## C8.A138.03TCGA -1.9197146 -0.3617733 0.2270261 -0.5738874 1.0462253
## NP_775882 NP_056290 NP_000933 NP_003895 NP_056147
## A0.A12D.01TCGA -1.10974196 0.8180159 -0.084906249 -0.18396100 0.4789439
## C8.A131.01TCGA -0.28833977 0.9017372 2.698996358 0.06787375 0.3350339
## A0.A12B.01TCGA 0.66493647 -0.4685963 -0.005760212 0.97257007 -0.0390179

```

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## BH.A18Q.02TCGA 0.68376640 -0.2897397 1.536838779 0.39606357 -1.1695751
## C8.A130.02TCGA 0.05695839 0.2963888 -0.694131582 0.58829714 1.3131482
## C8.A138.03TCGA 0.55982574 0.3074831 -0.197202065 -0.47880178 1.9751386
## NP_060220 NP_006259 NP_689928 NP_055639 NP_001265099
## AO.A12D.01TCGA 1.6599813 0.1093935 0.5894280 -0.59160941 0.4751341
## C8.A131.01TCGA 2.1120536 -0.1223767 0.9705512 -0.05761056 -0.7417024
## AO.A12B.01TCGA -0.9120322 0.2630728 0.3489884 -0.23024960 -2.2478826
## BH.A18Q.02TCGA -2.2768965 0.1217423 -0.1592698 0.68711179 -4.8528406
## C8.A130.02TCGA -0.6875718 0.8572464 0.6407750 -0.39238365 -0.2447895
## C8.A138.03TCGA 0.8304540 -0.4056590 -1.0639440 -0.12405928 0.9913682
## NP_003430 NP_009080 NP_001128650 NP_001265104 NP_689688
## AO.A12D.01TCGA -0.8544855 -0.4315979 -0.3820705 0.4751341 -0.3820705
## C8.A131.01TCGA -0.7740855 -0.8874261 -1.5674701 -0.7417024 -1.2436397
## AO.A12B.01TCGA 0.9975133 -3.7223067 -0.4353387 -2.2478826 -2.5998598
## BH.A18Q.02TCGA -2.0259929 -9.7805881 -0.1325068 -8.4658530 -6.9604311
## C8.A130.02TCGA 0.1159960 -0.3399057 -0.9204425 -0.2283902 0.6374952
## C8.A138.03TCGA 0.8597112 1.7776531 0.9913682 0.9913682 2.3847382
## NP_001008401 NP_008886 NP_009084 NP_001103159 NP_001018854
## AO.A12D.01TCGA 5.7021772 0.06748568 1.1266096 1.58378535 1.2599525
## C8.A131.01TCGA 0.4686140 -0.88742615 0.4969491 0.05573011 -2.4337167
## AO.A12B.01TCGA -3.0100379 -2.42525691 -0.1637342 -0.32725118 -3.8830522
## BH.A18Q.02TCGA -1.1495029 -6.01703346 -10.8778733 -5.41821011 -8.4658530
## C8.A130.02TCGA 0.2078324 -0.26118889 -0.7433296 -1.31730667 -0.2611889
## C8.A138.03TCGA -0.3508019 0.99136816 0.2782260 1.17056798 1.8032531
## NP_008900 NP_079038 NP_001131080 NP_001240728 NP_001123992
## AO.A12D.01TCGA 1.0999410 -1.76502724 3.8696642 0.95897845 NA
## C8.A131.01TCGA 1.8894202 -1.55937438 0.5212364 -0.15071182 NA
## AO.A12B.01TCGA -2.0289361 0.02749747 -1.1143498 -0.13324801 NA
## BH.A18Q.02TCGA -3.4711979 -3.97635053 -3.7287923 -3.67861154 -0.65104096
## C8.A130.02TCGA 1.9920810 -2.11759467 1.4312234 0.79820875 -0.01519873
## C8.A138.03TCGA -0.3508019 -2.01114309 1.8617673 -0.08017361 -0.57388740
## NP_001013768 NP_001191385 NP_899061 NP_055604 NP_001075949
## AO.A12D.01TCGA NA -0.4315979 0.0141485 -0.4315979 -0.3820705
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## AO.A12B.01TCGA NA -1.3222103 -0.0390179 -3.7223067 -2.3254838
## BH.A18Q.02TCGA -10.8778733 -8.6665759 -8.2718208 -5.2576318 -5.2576318
## C8.A130.02TCGA -0.5990154 -1.1533132 -0.1791922 -1.9404818 -1.9404818
## C8.A138.03TCGA -3.7190271 1.4448534 1.2693107 2.3847382 2.3847382
## NP_001078837 NP_065838 NP_001001662 NP_942596 NP_001258777
## AO.A12D.01TCGA NA 0.03319749 -0.4315979 2.00667294 -0.5992290
## C8.A131.01TCGA NA -0.88742615 -0.8874261 0.08811316 -0.3814410
## AO.A12B.01TCGA NA -2.86037830 -1.9624208 0.29633044 -1.0312055
## BH.A18Q.02TCGA -2.97942673 -9.63673664 -6.1742664 -5.79623826 -2.5880171
## C8.A130.02TCGA 0.03727918 -0.56949657 0.5653381 2.55293860 1.8018486
## C8.A138.03TCGA 0.74999698 -0.21183062 0.9986824 0.31479742 -0.4532018
## NP_001243582 NP_940859 NP_056936 NP_116217 NP_612383
## AO.A12D.01TCGA NA NA 5.2450014 0.3075030 -1.2316555
## C8.A131.01TCGA NA NA 0.4969491 -1.2436397 -0.3207228
## AO.A12B.01TCGA NA NA 1.9619862 -2.5998598 -1.3720968
## BH.A18Q.02TCGA -7.305005 -4.411250 -6.8533789 -7.6361983 -1.1260852
## C8.A130.02TCGA 1.408264 1.345947 -0.5432576 0.8736457 -0.1955915
## C8.A138.03TCGA 1.861767 -1.393087 -0.5958302 1.7666817 -0.3508019
## NP_689816 NP_003407 NP_001166109 NP_872330 NP_001035275
## AO.A12D.01TCGA -0.4315979 -0.5116036 4.1477795 5.38977371 -1.2316555

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| | | | | | | |
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| ## | C8.A131.01TCGA | -0.8874261 | -3.0854255 | -0.9562401 | -0.02522751 | -0.3207228 |
| ## | A0.A12B.01TCGA | -3.7223067 | -2.9601514 | -1.9069913 | -1.63261538 | -1.3720968 |
| ## | BH.A18Q.02TCGA | -5.2910856 | -8.3119654 | -9.6902627 | -5.99027041 | -1.1495029 |
| ## | C8.A130.02TCGA | -0.1070351 | 0.6374952 | -0.9466815 | 0.41774396 | 1.4312234 |
| ## | C8.A138.03TCGA | 2.4066810 | 1.2107965 | 4.6887359 | 1.81056734 | -0.1240593 |
| ## | NP_001004301 | NP_001166161 | NP_612143 | NP_001070146 | NP_001252526 | |
| ## | A0.A12D.01TCGA | -1.50215117 | 3.0772262 | 2.9857911 | NA | 0.8446845 |
| ## | C8.A131.01TCGA | 0.08811316 | -5.5424892 | 0.4969491 | NA | 0.6426728 |
| ## | A0.A12B.01TCGA | -1.37209683 | -6.3995504 | 0.7563951 | NA | -0.7291149 |
| ## | BH.A18Q.02TCGA | -1.12608518 | -5.7962383 | -8.5126883 | -3.7287923 | -9.9043672 |
| ## | C8.A130.02TCGA | 0.82116784 | 2.5529386 | -0.2185506 | -0.5990154 | -2.3799842 |
| ## | C8.A138.03TCGA | -0.35080191 | -0.5738874 | 1.3387964 | -1.1297726 | 2.3518239 |
| ## | NP_065906 | NP_061983 | NP_001265048 | NP_008887 | NP_116313 | |
| ## | A0.A12D.01TCGA | -1.1973673 | 0.25416579 | -0.1992002 | -0.4963645 | 0.9170707 |
| ## | C8.A131.01TCGA | 0.4969491 | 0.60219404 | -2.1260777 | -0.4097762 | -0.5757393 |
| ## | A0.A12B.01TCGA | 1.1222297 | -0.74020079 | -2.8132632 | -1.3222103 | -2.0982230 |
| ## | BH.A18Q.02TCGA | -6.9002143 | -0.88521769 | -2.8623384 | -0.9387438 | -1.0524868 |
| ## | C8.A130.02TCGA | 1.7100123 | 0.07335773 | -1.8552052 | -0.2119909 | -0.1168747 |
| ## | C8.A138.03TCGA | -0.3288591 | -0.28131627 | 0.6768542 | 1.1778823 | 0.9438254 |
| ## | NP_001018855 | NP_001001668 | NP_443084 | NP_003416 | NP_066971 | |
| ## | A0.A12D.01TCGA | NA | 0.9399295 | NA | -1.52500996 | NA |
| ## | C8.A131.01TCGA | NA | -0.3490580 | NA | 2.43993198 | NA |
| ## | A0.A12B.01TCGA | NA | 0.2852445 | NA | -1.59381474 | NA |
| ## | BH.A18Q.02TCGA | -7.4053669 | -3.1065512 | -4.3744510 | -5.79623826 | -4.6287000 |
| ## | C8.A130.02TCGA | -0.9794802 | 2.6644541 | 1.5984968 | 1.12947551 | 1.5984968 |
| ## | C8.A138.03TCGA | 2.0373100 | -0.4532018 | -0.5263446 | -0.00337369 | -0.2118306 |
| ## | NP_689839 | NP_001166142 | NP_001092096 | NP_689570 | NP_001138461 | |
| ## | A0.A12D.01TCGA | NA | 5.2450014 | 1.7514165 | -1.5707275 | -0.9268716 |
| ## | C8.A131.01TCGA | NA | 0.4969491 | 0.9017372 | 0.7155347 | -0.5150211 |
| ## | A0.A12B.01TCGA | NA | 1.9619862 | -1.4801843 | -2.1952246 | 0.1023273 |
| ## | BH.A18Q.02TCGA | -3.7287923 | -10.8778733 | -6.9002143 | -2.6381978 | -5.2609772 |
| ## | C8.A130.02TCGA | 1.4312234 | 1.2508307 | 1.7100123 | 1.2180320 | -0.2775882 |
| ## | C8.A138.03TCGA | -0.5738874 | 1.0681681 | -0.3288591 | -0.7128587 | -0.5263446 |
| ## | NP_112234 | NP_003406 | NP_666019 | NP_689697 | NP_001008801 | |
| ## | A0.A12D.01TCGA | 1.5266384 | -4.001379 | NA | -0.4315979 | -1.2316555 |
| ## | C8.A131.01TCGA | -0.4583508 | 3.848595 | NA | -0.6486012 | -0.3207228 |
| ## | A0.A12B.01TCGA | -2.4197140 | -1.147607 | NA | 0.9199121 | -1.3720968 |
| ## | BH.A18Q.02TCGA | 0.7540194 | -3.307274 | NA | -3.3173103 | -3.4711979 |
| ## | C8.A130.02TCGA | 0.2242317 | -4.820207 | NA | 0.5620582 | 1.9920810 |
| ## | C8.A138.03TCGA | -0.4970875 | -4.545541 | NA | 1.0023396 | -0.3508019 |
| ## | NP_848639 | NP_008922 | XP_003846493 | NP_055532 | NP_001008727 | |
| ## | A0.A12D.01TCGA | 0.20082861 | 1.8199928 | 1.1799467 | NA | 0.3684597 |
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| ## | A0.A12B.01TCGA | -1.02011965 | -1.7711891 | -0.6459707 | NA | -0.1332480 |
| ## | BH.A18Q.02TCGA | -4.52833853 | -6.6325837 | -7.1578087 | -0.01207302 | -3.1065512 |
| ## | C8.A130.02TCGA | 1.67065387 | -0.1759123 | -0.9696406 | -0.18575191 | 0.7555705 |
| ## | C8.A138.03TCGA | -0.08017361 | 1.1705680 | 1.7227960 | -1.08588688 | 0.2270261 |
| ## | NP_001018857 | NP_001129971 | NP_997216 | XP_003960942 | NP_001121695 | |
| ## | A0.A12D.01TCGA | 0.1855894 | NA | -1.2316555 | 2.00667294 | -0.43159788 |
| ## | C8.A131.01TCGA | -1.9601146 | NA | -0.3207228 | 0.08811316 | -0.88742615 |
| ## | A0.A12B.01TCGA | -0.8482883 | NA | -1.3720968 | 0.29633044 | -3.72230668 |
| ## | BH.A18Q.02TCGA | -5.9133266 | -3.4477802 | -1.1495029 | -1.14950285 | -7.55256374 |
| ## | C8.A130.02TCGA | -0.5563771 | 1.9920810 | 0.8900451 | 1.43122344 | 0.07335773 |
| ## | C8.A138.03TCGA | 1.7227960 | 0.2050832 | -0.5738874 | -0.12405928 | 1.77765308 |

| | | | | | | |
|----|----------------|--------------|-------------|--------------|--------------|--------------|
| ## | | NP_149350 | NP_848618 | NP_008890 | NP_001007249 | NP_008889 |
| ## | AO.A12D.01TCGA | -0.4315979 | -1.2316555 | -0.4620763 | 0.7342004 | -0.4315979 |
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| ## | AO.A12B.01TCGA | 0.9199121 | -1.3720968 | -0.6709139 | 0.2436724 | -3.7223067 |
| ## | BH.A18Q.02TCGA | -5.4182101 | -1.1495029 | -5.8932543 | -6.0471419 | -9.7805881 |
| ## | C8.A130.02TCGA | -1.2746684 | 1.4312234 | -1.7502494 | -0.4087830 | 2.5529386 |
| ## | C8.A138.03TCGA | 1.1705680 | -0.3508019 | 1.4521677 | 1.4448534 | 1.1705680 |
| ## | | NP_689668 | NP_009076 | NP_001096127 | NP_079009 | NP_001229609 |
| ## | AO.A12D.01TCGA | NA | 1.25995250 | -0.4620763 | NA | 1.7323675 |
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| ## | AO.A12B.01TCGA | NA | -3.72230668 | -1.3720968 | NA | -0.2496499 |
| ## | BH.A18Q.02TCGA | NA | -5.56206153 | 0.1585415 | -5.7962383 | -2.4174026 |
| ## | C8.A130.02TCGA | NA | 1.21475210 | -0.5596570 | 2.5529386 | 0.6834133 |
| ## | C8.A138.03TCGA | -2.0148 | 0.09902621 | -0.9688584 | -0.5738874 | -0.5738874 |
| ## | | NP_001138906 | NP_862828 | NP_001191747 | NP_003399 | NP_065708 |
| ## | AO.A12D.01TCGA | 1.5113992 | 0.8637335 | -1.2926123 | -0.4620763 | -0.4315979 |
| ## | C8.A131.01TCGA | -0.6486012 | 0.1690708 | -4.0690606 | -0.6486012 | -2.5794404 |
| ## | AO.A12B.01TCGA | -0.1332480 | 0.2492154 | 0.1438994 | -0.6709139 | -1.9069913 |
| ## | BH.A18Q.02TCGA | -3.1065512 | -3.6786115 | -3.2738203 | -2.0025752 | -9.8408049 |
| ## | C8.A130.02TCGA | 2.6644541 | 2.2019926 | -2.1175947 | -0.7531692 | -2.7637288 |
| ## | C8.A138.03TCGA | -0.2666877 | -0.2666877 | -2.5011997 | 1.1778823 | 1.7227960 |
| ## | | NP_001156863 | NP_699189 | NP_001265102 | NP_597730 | NP_689475 |
| ## | AO.A12D.01TCGA | -0.2677766 | 1.51139918 | 0.4751341 | NA | 0.3722695 |
| ## | C8.A131.01TCGA | -0.8874261 | -0.11428089 | -0.7417024 | NA | -0.1142809 |
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| ## | C8.A130.02TCGA | -0.5990154 | 2.55293860 | -0.2447895 | 1.408264 | 2.4217438 |
| ## | C8.A138.03TCGA | 1.6313675 | -0.08017361 | 0.9913682 | 1.861767 | -0.4532018 |
| ## | | NP_116078 | NP_055333 | NP_872415 | NP_940941 | NP_694563 |
| ## | AO.A12D.01TCGA | 0.9399295 | NA | NA | 0.5513300 | 0.03319749 |
| ## | C8.A131.01TCGA | -0.3814410 | NA | NA | -0.1223767 | -0.88742615 |
| ## | AO.A12B.01TCGA | -2.4446572 | NA | NA | 1.1499444 | -1.90699129 |
| ## | BH.A18Q.02TCGA | -3.1065512 | -7.8536481 | -1.102668 | -3.6786115 | -4.63204537 |
| ## | C8.A130.02TCGA | 1.2901891 | 2.7267716 | 1.431223 | 1.5984968 | 0.01759996 |
| ## | C8.A138.03TCGA | -0.2045163 | 0.9255397 | -0.720173 | 0.3659974 | 0.83776832 |
| ## | | NP_597717 | NP_005764 | NP_001129507 | NP_065156 | NP_060297 |
| ## | AO.A12D.01TCGA | 0.01033871 | -0.4735057 | 0.97040784 | 1.8047536 | -1.1249811 |
| ## | C8.A131.01TCGA | -1.06553291 | -1.9884498 | -0.11023301 | 0.2783636 | -0.1142809 |
| ## | AO.A12B.01TCGA | -2.14533804 | -3.3398433 | -0.05010379 | 0.6067355 | 3.0151463 |
| ## | BH.A18Q.02TCGA | -9.84080493 | -9.0479494 | -1.31008118 | 0.1117061 | -0.1525791 |
| ## | C8.A130.02TCGA | -2.76372884 | -0.8712445 | 2.34958673 | -1.7600890 | 0.6604543 |
| ## | C8.A138.03TCGA | 2.03730996 | 1.7227960 | -1.40040085 | 1.9093101 | -0.7677158 |
| ## | | NP_001026971 | NP_005560 | NP_619634 | NP_004270 | NP_065861 |
| ## | AO.A12D.01TCGA | -0.4620763 | -0.07728665 | 0.2198776 | 0.9627882 | -0.16491201 |
| ## | C8.A131.01TCGA | 0.3512254 | 0.30669873 | 2.2820646 | -0.1992864 | -1.56342226 |
| ## | AO.A12B.01TCGA | -0.2995364 | -0.40485245 | 0.4459900 | 2.2890202 | -0.04456085 |
| ## | BH.A18Q.02TCGA | 0.7607102 | 1.56694722 | -2.1598082 | -0.5540249 | -0.18603288 |
| ## | C8.A130.02TCGA | 0.2635901 | 0.07007786 | 2.7169320 | -0.4448615 | 1.53945912 |
| ## | C8.A138.03TCGA | -0.2045163 | 0.05148340 | -0.6909159 | 0.1685119 | -0.39834472 |
| ## | | NP_000300 | NP_056114 | NP_065392 | NP_009201 | NP_000700 |
| ## | AO.A12D.01TCGA | 0.3113128 | -0.7249523 | -0.75924052 | 1.0313646 | 0.006528907 |
| ## | C8.A131.01TCGA | -0.7052715 | 0.1650229 | -0.07380208 | 3.1199760 | -0.494781695 |
| ## | AO.A12B.01TCGA | 2.3693929 | 1.4187774 | -0.19422044 | -2.1675098 | 2.607739653 |
| ## | BH.A18Q.02TCGA | -0.2161413 | -1.4773503 | -0.44697266 | -0.5941695 | 2.162425187 |

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## C8.A130.02TCGA 0.1586343 1.1917930 -2.69813146 0.8966048 -1.402583257
## C8.A138.03TCGA 0.7207399 0.4062259 1.07913950 1.2802822 -0.829887141
## NP_001258395 NP_005474 NP_055238 NP_068746 NP_055871
## A0.A12D.01TCGA -0.9154422 -1.4221454 0.1665404 -0.08490625 1.1075606
## C8.A131.01TCGA -1.3772197 -0.3409622 -0.7052715 -1.68485869 0.8976893
## A0.A12B.01TCGA -1.0783206 -0.6487422 0.2963304 0.89774027 -2.1037659
## BH.A18Q.02TCGA -0.7380209 -0.5573703 0.4261720 -0.67445863 0.3759913
## C8.A130.02TCGA 0.5981368 2.3889452 0.2111122 -0.66133289 1.4148241
## C8.A138.03TCGA 0.4464544 -1.6966291 1.4558248 -1.87582894 -0.5409731
## NP_002336 NP_031377 NP_002681 NP_001659 NP_001184254
## A0.A12D.01TCGA -2.0317131 -2.4279321 -2.5422261 0.03319749 0.03319749
## C8.A131.01TCGA -2.9963721 0.6305292 -2.3122802 0.60624192 0.60624192
## A0.A12B.01TCGA -3.7638788 -3.4202160 3.4530392 0.08846990 0.08846990
## BH.A18Q.02TCGA 0.2287945 -1.0056514 -0.4168642 -0.23955899 -0.30312124
## C8.A130.02TCGA 1.4902611 -2.2553492 -1.5140988 0.27998947 0.28654921
## C8.A138.03TCGA -0.6580016 -4.1981123 -1.7770862 0.51228293 0.62565425
## NP_055677 NP_001026976 NP_000685 NP_000682 NP_000686
## A0.A12D.01TCGA -1.5021512 1.93809658 0.2694050 2.02191214 0.89802168
## C8.A131.01TCGA 0.3026508 -2.98018058 0.1164483 -1.33674093 -1.33674093
## A0.A12B.01TCGA 1.5684369 -2.65251776 -2.9740087 -3.80822237 -3.80822237
## BH.A18Q.02TCGA -4.6755353 -0.37002888 -0.6844948 -0.68449478 -0.68449478
## C8.A130.02TCGA 1.2541105 0.06023826 -0.2579090 -0.09063571 -0.09063571
## C8.A138.03TCGA -2.7974280 -1.88314322 -1.4625722 -1.46257222 -1.46257222
## NP_002709 NP_060561 NP_003001 NP_071334 NP_071356
## A0.A12D.01TCGA 1.6180735 -0.9383010 0.78372773 0.9361197 1.644742
## C8.A131.01TCGA 0.3998000 -0.8226600 -0.64050541 1.1688974 3.087593
## A0.A12B.01TCGA -0.5212544 0.3295881 1.35780494 0.6566220 -1.200265
## BH.A18Q.02TCGA 1.5100757 -0.5908241 -0.27635819 0.4194812 1.563602
## C8.A130.02TCGA 0.8572464 -0.3727044 -0.02175846 0.9162840 1.611616
## C8.A138.03TCGA -0.2593734 0.3915973 0.94748249 -0.4056590 -1.206572
## NP_000840 NP_003747 NP_852478 NP_004292 NP_057272
## A0.A12D.01TCGA -1.6583529 -0.08871605 1.8619006 0.0217681 0.05224649
## C8.A131.01TCGA -2.2029874 0.09620892 1.1162749 -0.1709512 -1.68485869
## A0.A12B.01TCGA -0.3355656 0.31573076 -1.8377044 0.4543045 -0.02238906
## BH.A18Q.02TCGA -3.4076356 0.18530451 -1.6145109 0.4362081 0.85772626
## C8.A130.02TCGA 2.7694099 0.68997308 0.3488667 0.7424510 0.31606803
## C8.A138.03TCGA -1.9818860 -0.39468758 0.8121683 -0.5702303 -1.23948673
## NP_443122 NP_006615 NP_057594 NP_000033 NP_036266
## A0.A12D.01TCGA -0.7668601 0.1932090 -0.9840186 -0.2601570 1.8314222
## C8.A131.01TCGA 0.6791038 0.6791038 -1.4298422 0.4443267 -0.1385682
## A0.A12B.01TCGA -0.9203466 -1.0201197 2.2031045 -3.2012696 -2.4612861
## BH.A18Q.02TCGA -0.2797036 0.7172202 -0.4503180 0.3191198 -0.2830490
## C8.A130.02TCGA 0.1323954 0.0766376 -1.4386618 1.2409911 -0.1726324
## C8.A138.03TCGA -1.2724010 1.5801676 -1.0090870 -2.0623430 3.5586799
## NP_059982 NP_001119595 NP_056937 NP_004248 NP_056340
## A0.A12D.01TCGA -1.92122897 -2.01647392 -0.08871605 0.35322054 0.20844821
## C8.A131.01TCGA 0.42408728 0.42408728 0.16502290 0.54147582 -0.17499910
## A0.A12B.01TCGA 4.19856566 4.27062398 -0.50185404 0.05244074 -0.06396116
## BH.A18Q.02TCGA 0.07490691 0.07490691 -1.58440250 0.88783470 -1.47065951
## C8.A130.02TCGA -2.06511677 -2.15039336 0.90316456 -0.75972896 0.18159341
## C8.A138.03TCGA -0.19354493 0.06611196 0.45011157 0.64028280 1.17056798
## NP_116162 NP_001155251 NP_006288 NP_002824 NP_001013012
## A0.A12D.01TCGA -0.001090689 2.6505288 -0.6144682 -0.5077938 1.4009150
## C8.A131.01TCGA -0.215477911 1.8853723 -1.2153045 0.7843487 1.1081792

```

```

## A0.A12B.01TCGA -0.892631853    0.4099609  1.1832021 -0.4685963    1.2053739
## BH.A18Q.02TCGA  0.028071560    2.6441602 -0.3231935  0.8811439   -0.4938080
## C8.A130.02TCGA  0.093036946   -0.4973395  0.8638061  0.0766376   -0.7400497
## C8.A138.03TCGA -0.742115801   -0.3581162  1.5033676  0.4208545   -1.1444011
##                NP_000496  NP_001830   NP_004359  NP_002341  NP_001104567
## A0.A12D.01TCGA  1.0618430   1.5761658  1.87713981 -0.3439725   -0.3439725
## C8.A131.01TCGA -0.7983728    1.6505952  2.31849555  2.2092028    2.2092028
## A0.A12B.01TCGA -1.1476074   -2.1481095 -2.50008670 -2.2561970   -2.2561970
## BH.A18Q.02TCGA  0.6904572   -0.8283462  1.14877448  2.6575417    2.6909955
## C8.A130.02TCGA  0.7260516   -0.1463935  0.02743957 -0.7072511   -0.6777322
## C8.A138.03TCGA -2.0660002    1.1193680  1.56919615 -1.2577724   -1.1224583
##                NP_002101  NP_060919  NP_001121093  NP_057712  NP_567823
## A0.A12D.01TCGA -0.2106296    0.8065865   0.03700729 -0.09633564 -0.3515921
## C8.A131.01TCGA  2.9094862   -0.4543029 -0.45430289  0.91388087  0.5900504
## A0.A12B.01TCGA -2.0372506   -0.5628265  2.35553553 -0.64597068 -0.6930857
## BH.A18Q.02TCGA  1.8546501    0.8209271  -1.83865152 -0.15257906 -0.1927236
## C8.A130.02TCGA -0.4940596    1.0212398   0.03727918  0.49974069  0.3619862
## C8.A138.03TCGA -0.9908013    1.1449680   0.17582613 -0.01434511  0.2379975
##                NP_055496  NP_004690  NP_036267  NP_000113  NP_001107563
## A0.A12D.01TCGA  0.10558366  -0.7516209  0.1093935  -0.1572924    0.55133004
## C8.A131.01TCGA -0.82266005  -0.6000266 -1.0979160  0.6305292    0.15287925
## A0.A12B.01TCGA  0.69542268  -1.1115783 -0.1277051  -0.5157114   -0.16373422
## BH.A18Q.02TCGA  0.08494305  -1.7516716 -1.4338603  -0.2295228   -0.71794859
## C8.A130.02TCGA  0.98188141  0.7326114   0.4177440  0.1094363    0.19799275
## C8.A138.03TCGA  0.18314041  -0.6141159 -0.8372014  0.7353684   -0.01800225
##                NP_001095838  NP_000629  NP_002084  NP_063937  NP_001177
## A0.A12D.01TCGA  -5.3233787  -1.5592981  1.7514165   0.7532493    1.4923502
## C8.A131.01TCGA  -0.4785902  1.2741423   1.0515088  0.4929013    1.8165583
## A0.A12B.01TCGA  -2.4862293  -2.9352081 -0.3411086  -0.2773647   -0.9369754
## BH.A18Q.02TCGA  -5.0602542  -2.7519408  0.4462443  -0.8216554    0.6436218
## C8.A130.02TCGA  -1.6288942  -0.6908517  0.9654821  0.8802055   -0.2907077
## C8.A138.03TCGA  -1.1992582  -3.5837129  0.6293114  0.6256542    0.3111403
##                NP_001738  NP_001185702  NP_001803  NP_060401  NP_060767
## A0.A12D.01TCGA -0.31730394    1.07327239 -0.14205322 -1.2621339    1.88475940
## C8.A131.01TCGA  1.39557870    0.78030080  0.05977799  0.9705512   -0.74170243
## A0.A12B.01TCGA -1.90976276    0.26584423  0.17992854 -0.4741393   -0.41870982
## BH.A18Q.02TCGA -0.03883608    0.03476232 -0.45366343  1.6271641    0.05483462
## C8.A130.02TCGA -0.04799742   -0.12343440  0.14551485 -0.8318861   -0.41534273
## C8.A138.03TCGA  0.57079716    0.70611131 -0.21548776 -0.7348015    0.34039739
##                NP_056210  NP_001138765  NP_006550  NP_006549  NP_689901
## A0.A12D.01TCGA -0.1611022    1.88475940 -0.13824342 -0.6335172   -1.48691197
## C8.A131.01TCGA  0.3390818   -0.74170243 -0.30857917  1.5777333   -1.31650152
## A0.A12B.01TCGA  0.6871083   -0.41870982 -0.31893676 -1.1891796   -2.79663440
## BH.A18Q.02TCGA -0.9521253    0.05483462  0.01469003  0.8443447    1.19895521
## C8.A130.02TCGA -0.4776602   -0.41534273  0.98844115  0.9097243    1.33282738
## C8.A138.03TCGA  0.4427973    0.34039739 -0.07651647 -0.7201730   -0.03628794
##                NP_079359  NP_003829  NP_001106279  NP_006491  NP_000511
## A0.A12D.01TCGA -1.0259264  -0.1458630  -0.06585726 -0.1915806   -0.7744797
## C8.A131.01TCGA -0.5069253  -1.9317794  -0.75384607  0.7317262    1.7194092
## A0.A12B.01TCGA -1.0034908  0.7203659   0.92268354 -1.3582395    1.3633479
## BH.A18Q.02TCGA -0.7848562  -0.4971534  -0.57409718  0.5332242    1.5201119
## C8.A130.02TCGA  1.2475508  -0.5662167  -0.85484516 -0.6449335    0.5751777
## C8.A138.03TCGA  0.6073686  -1.4808579  -1.48085791 -0.5921731   -1.0200584
##                NP_001124437  NP_001165415  NP_001165416  NP_001107579  NP_055291

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | A0.A12D.01TCGA | 1.9380966 | 2.1552551 | 1.343768 | 1.14184876 | 1.09613118 |
| ## | C8.A131.01TCGA | 1.4522490 | 1.5129672 | 1.270094 | 2.28611250 | 2.17277184 |
| ## | A0.A12B.01TCGA | -1.2196658 | -1.5882718 | -1.164236 | -0.31339381 | -0.52956877 |
| ## | BH.A18Q.02TCGA | 1.2223729 | 1.2257183 | 1.744252 | -0.99561529 | -1.01568758 |
| ## | C8.A130.02TCGA | -0.7170907 | -0.6744524 | -1.022118 | -0.77284843 | -0.93684188 |
| ## | C8.A138.03TCGA | 0.1355976 | 0.1355976 | 1.108397 | -0.08017361 | -0.08017361 |
| ## | | NP_001244892 | NP_005654 | NP_060788 | NP_001073919 | NP_061973 |
| ## | A0.A12D.01TCGA | 1.3094799 | -0.29063535 | -0.1649120 | -1.5973961 | -0.22586878 |
| ## | C8.A131.01TCGA | 2.6909006 | -0.45430289 | -0.5069253 | -0.6162181 | -0.36120162 |
| ## | A0.A12B.01TCGA | -0.2718217 | 0.04135484 | 2.4054221 | -2.2894547 | 0.04689779 |
| ## | BH.A18Q.02TCGA | -1.1628844 | 0.02807156 | 0.4529351 | 0.2154129 | -0.14254291 |
| ## | C8.A130.02TCGA | -0.9302821 | 0.79820875 | -0.5727764 | 2.5266996 | -0.22511033 |
| ## | C8.A138.03TCGA | -0.1021164 | -0.81160144 | -0.8189157 | 1.8983387 | 0.47205440 |
| ## | | NP_060547 | NP_078988 | NP_001034813 | NP_056123 | NP_060579 |
| ## | A0.A12D.01TCGA | -1.174509 | 0.658004393 | -1.2507045 | -0.04680827 | 0.3608401 |
| ## | C8.A131.01TCGA | 1.824654 | -0.009035984 | -0.2357173 | 0.15287925 | 1.3105732 |
| ## | A0.A12B.01TCGA | -2.414171 | 2.050673404 | 2.0257301 | 0.10232727 | -0.5572835 |
| ## | BH.A18Q.02TCGA | -2.658270 | 0.559987276 | -2.6883785 | -0.94877994 | -0.2797036 |
| ## | C8.A130.02TCGA | 2.461102 | -0.070956497 | -2.9506814 | -0.50389919 | 1.5525786 |
| ## | C8.A138.03TCGA | -1.049315 | 0.464740124 | -1.2065725 | 1.08645378 | -1.2175439 |
| ## | | NP_001243232 | NP_001185867 | NP_001185871 | NP_000256 | NP_075461 |
| ## | A0.A12D.01TCGA | 1.8009438 | 1.2104251 | 1.2104251 | 0.326552 | -0.7325719 |
| ## | C8.A131.01TCGA | 0.2864593 | -0.3612016 | -0.3612016 | 3.419519 | 4.8281817 |
| ## | A0.A12B.01TCGA | 1.3633479 | 0.9947419 | 0.9947419 | -1.796132 | -1.7129881 |
| ## | BH.A18Q.02TCGA | 1.4364773 | 2.0553730 | 1.4565496 | 3.426980 | -5.1673065 |
| ## | C8.A130.02TCGA | -0.9565211 | -1.1926716 | -1.1041152 | -1.396024 | -2.3045472 |
| ## | C8.A138.03TCGA | 0.1685119 | 0.2745689 | 0.1721690 | -1.495486 | 0.0514834 |
| ## | | XP_003960990 | NP_671704 | NP_115758 | NP_001138244 | NP_054829 |
| ## | A0.A12D.01TCGA | -0.70971315 | NA | 1.0389842 | 0.60466722 | 0.1246326 |
| ## | C8.A131.01TCGA | 0.97055120 | NA | -0.4340635 | 0.63457708 | 0.2378848 |
| ## | A0.A12B.01TCGA | -0.57391236 | NA | 1.3051469 | -0.08336148 | 0.1078702 |
| ## | BH.A18Q.02TCGA | NA | -5.1338527 | -0.6175871 | 0.13846916 | -0.5272618 |
| ## | C8.A130.02TCGA | NA | 0.7096523 | -1.0680366 | 0.11599603 | 0.8178880 |
| ## | C8.A138.03TCGA | -0.07651647 | NA | 0.5781114 | -0.36908761 | -0.1240593 |
| ## | | NP_001157685 | NP_001230892 | NP_004542 | NP_006144 | NP_001004720 |
| ## | A0.A12D.01TCGA | 0.3760793 | NA | -0.77828951 | 0.448465494 | 0.8484943 |
| ## | C8.A131.01TCGA | 0.6993432 | NA | -0.28429189 | 0.003107659 | 1.1810410 |
| ## | A0.A12B.01TCGA | -0.2856791 | NA | 0.45707592 | -0.327251182 | -1.5300708 |
| ## | BH.A18Q.02TCGA | 0.7339471 | -0.3466112 | 0.72391099 | 1.302662049 | 1.2089914 |
| ## | C8.A130.02TCGA | -0.3628648 | 0.2701499 | -0.09391558 | -0.061116890 | 0.4538225 |
| ## | C8.A138.03TCGA | -0.2008592 | 1.1376537 | -0.81525858 | -0.658001600 | -1.4406294 |
| ## | | NP_001074 | NP_246273 | NP_076982 | NP_001180418 | NP_001120686 |
| ## | A0.A12D.01TCGA | -0.06204746 | 0.04081709 | -0.64875638 | 0.5818084 | -0.31730394 |
| ## | C8.A131.01TCGA | -0.60002660 | -0.37739315 | -0.24786096 | 0.8693542 | 0.02334706 |
| ## | A0.A12B.01TCGA | -1.13097861 | -0.79008732 | -0.45473898 | -0.7512867 | 1.34949051 |
| ## | BH.A18Q.02TCGA | -0.23621361 | -0.37002888 | -1.31677195 | -0.7380209 | 1.29597129 |
| ## | C8.A130.02TCGA | -1.47474037 | -1.54033775 | 0.10287655 | 0.1061564 | -0.10047532 |
| ## | C8.A138.03TCGA | -2.33297134 | -2.33297134 | -0.08748789 | -0.1350307 | -1.64542918 |
| ## | | NP_001096654 | NP_001264242 | NP_005882 | NP_003791 | NP_004138 |
| ## | A0.A12D.01TCGA | -1.4335748 | -1.8717016 | -1.12498115 | -1.30404166 | -0.64875638 |
| ## | C8.A131.01TCGA | 0.1002568 | -0.5069253 | 0.03953859 | -0.15880758 | 0.65076861 |
| ## | A0.A12B.01TCGA | 1.1887450 | 1.2774322 | 0.89496880 | 0.14944232 | -0.28290760 |
| ## | BH.A18Q.02TCGA | 0.1418145 | 0.1618868 | -0.26632204 | 1.57698336 | 0.02472618 |
| ## | C8.A130.02TCGA | -1.1270743 | -1.1926716 | -1.68793185 | -0.57277643 | 0.48006147 |

```

## C8.A138.03TCGA -1.0566298 -0.5409731 -0.30325910 -0.01068797 -0.34714477
## NP_001379 NP_000176 NP_001171890 NP_001165908 NP_055883
## A0.A12D.01TCGA 0.04081709 -0.5649408 -5.571016 -5.571016 -5.536727
## C8.A131.01TCGA -0.30048341 1.9865693 1.035317 1.035317 1.019126
## A0.A12B.01TCGA 1.30237546 -1.9457919 -4.883554 -4.883554 -4.736666
## BH.A18Q.02TCGA -0.58078794 0.5967865 -1.989194 -2.002575 -2.012611
## C8.A130.02TCGA -0.41862260 1.9133642 -1.806007 -1.760089 -1.806007
## C8.A138.03TCGA 0.62199711 -2.6913710 -4.706455 -4.706455 -4.706455
## NP_001171891 NP_001153651 NP_003194 NP_001188264 NP_000745
## A0.A12D.01TCGA -5.536727 -7.159701 0.3494107 0.4713243 1.4428228
## C8.A131.01TCGA 1.047461 -6.947104 0.4321830 1.0393652 0.4888534
## A0.A12B.01TCGA -4.395775 -3.481188 -0.4048524 -0.4879967 1.8372699
## BH.A18Q.02TCGA -2.002575 -4.233945 1.8479593 -0.7313301 -0.4804265
## C8.A130.02TCGA -1.815847 -1.245150 0.6440549 0.7260516 -0.4547012
## C8.A138.03TCGA -4.706455 -1.510115 -0.7128587 -0.8847442 -1.4260008
## NP_443157 NP_056538 NP_004068 NP_057114 NP_004777
## A0.A12D.01TCGA 0.73801016 1.40472483 -0.4125489 0.17035023 -0.6716152
## C8.A131.01TCGA 0.00715554 0.63457708 -0.4462071 1.09198763 -0.1992864
## A0.A12B.01TCGA -0.35496592 -0.04456085 1.7153251 0.48756214 -0.2247066
## BH.A18Q.02TCGA 0.87110779 -0.47708110 0.2087222 -0.04887222 -0.6410048
## C8.A130.02TCGA 0.48006147 -0.94340161 -0.3989434 -1.08115611 1.1753937
## C8.A138.03TCGA -1.26874384 0.03319770 0.1355976 -0.33983049 -1.3016581
## NP_036556 NP_443188 NP_000713 NP_002606 NP_002755
## A0.A12D.01TCGA -0.16872181 -10.954260 1.06565280 0.08653467 -1.2164163
## C8.A131.01TCGA -0.06165844 -8.877943 0.12049621 -1.58366166 -0.4704944
## A0.A12B.01TCGA -0.28013613 -6.923359 -0.06673264 -3.93848164 -0.5351117
## BH.A18Q.02TCGA -0.10574371 -7.980773 0.10166996 -0.17934211 -0.6744586
## C8.A130.02TCGA 0.08319734 -2.665333 -0.60229525 0.92612364 0.2045525
## C8.A138.03TCGA 0.92188252 -7.317652 0.17216899 0.10999762 -0.5226875
## NP_002756 NP_008941 NP_071381 NP_003720 NP_079160
## A0.A12D.01TCGA -1.7688370 0.7684885 3.2981945 0.03700729 -1.0335460
## C8.A131.01TCGA -0.9036177 -0.3814410 -0.5028775 -0.80242065 -1.4055549
## A0.A12B.01TCGA -0.5794553 -1.0034908 1.6626671 0.83122490 1.0390854
## BH.A18Q.02TCGA -0.5004988 -0.4737357 -1.0290691 -0.91867151 -1.4907318
## C8.A130.02TCGA 0.3357472 1.3229878 -0.4284622 -0.10703506 0.1586343
## C8.A138.03TCGA -0.6653159 -0.0326308 -0.5446303 -0.82623000 0.7426827
## NP_001616 NP_001186128 NP_055859 NP_619525 NP_037497
## A0.A12D.01TCGA 0.8370649 0.7380102 -0.79352871 -1.45262379 0.16654043
## C8.A131.01TCGA 0.3957521 0.4605182 -0.68907998 -0.44215924 0.76815716
## A0.A12B.01TCGA 0.5513060 0.5041910 1.96198624 0.08569843 1.31346135
## BH.A18Q.02TCGA 1.1889191 1.1052845 0.02807156 -0.05890837 -0.00872764
## C8.A130.02TCGA -0.6482134 -0.6449335 -0.61213486 -0.18575191 0.23407131
## C8.A138.03TCGA -1.2175439 -1.1553725 -0.82257286 -0.57023026 -0.52634459
## NP_000960 NP_000427 NP_060273 NP_001598 NP_003968
## A0.A12D.01TCGA 0.3989381 0.3151226 -0.1915806 1.4504424 -0.8201973
## C8.A131.01TCGA 1.2296156 0.9665033 -0.8024206 0.5455237 -0.1790470
## A0.A12B.01TCGA -0.8427453 1.5351793 -0.6431992 0.4681618 -1.1503789
## BH.A18Q.02TCGA -0.2830490 0.8878347 -1.0324145 -2.1899166 0.1886499
## C8.A130.02TCGA 1.3361072 -2.2783082 0.9950009 -2.0815161 0.7293315
## C8.A138.03TCGA -0.4349161 3.7927368 1.3095393 3.3136515 3.1637088
## NP_056444 NP_149061 NP_071350 NP_054735 NP_001531
## A0.A12D.01TCGA -0.2601570 -1.018307 0.06367588 3.2296182 -0.3973097
## C8.A131.01TCGA -0.4340635 -0.381441 0.65481649 0.7195826 -4.0569169
## A0.A12B.01TCGA 0.1411279 2.161532 -1.60767211 -1.1697792 -2.1287092

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## BH.A18Q.02TCGA 0.9313247 1.259172 -1.23313740 -0.6644225 -3.9997682
## C8.A130.02TCGA 1.0146801 1.234431 0.07335773 -2.4259023 -2.1503934
## C8.A138.03TCGA -0.3764019 -2.570685 1.41193917 2.9735376 0.7061113
## NP_060631 NP_004652 NP_005860 NP_775179 NP_060515
## AO.A12D.01TCGA 0.8332551 -0.11538463 0.30750296 0.85992370 -0.7782895
## C8.A131.01TCGA 0.4686140 -0.69717574 -0.68098422 0.38765635 -1.4015070
## AO.A12B.01TCGA -1.1725507 0.06352663 -0.59054120 0.05798369 0.4875621
## BH.A18Q.02TCGA -0.1994144 -0.26297666 -0.65773172 -0.49380801 -1.5174949
## C8.A130.02TCGA 1.4837013 -0.33006614 0.15863432 0.33246737 -0.1267143
## C8.A138.03TCGA -0.7713729 0.51594007 -0.09114503 0.59273999 -1.8429147
## NP_060138 NP_110435 NP_001389 NP_076412 NP_003892
## AO.A12D.01TCGA -0.38207051 0.0255779 -0.9535402 0.5399006 -0.3020647
## C8.A131.01TCGA 0.98674273 1.9015638 -2.4013336 0.3188424 0.2581242
## AO.A12B.01TCGA -0.03070348 0.5734778 2.3555355 0.2880160 -1.5661000
## BH.A18Q.02TCGA -0.09236219 0.1551961 -1.5509487 0.1919953 -1.7617077
## C8.A130.02TCGA 0.05695839 0.2832693 0.9720418 0.1127162 0.7030926
## C8.A138.03TCGA 0.92188252 0.8816540 0.4171973 -0.6836016 2.9662233
## NP_055331 NP_006691 NP_277047 NP_001123544 NP_060427
## AO.A12D.01TCGA 0.52466146 0.05605628 -0.2982549 -0.02775928 -0.6487564
## C8.A131.01TCGA 0.30669873 -0.56764355 -3.6723682 0.24598052 -1.4217464
## AO.A12B.01TCGA -0.05564674 -2.17582426 -4.7200373 -0.04733232 0.0884699
## BH.A18Q.02TCGA -0.45700881 -0.18268750 4.8654937 0.13846916 -1.3401896
## C8.A130.02TCGA 0.77196980 0.64733478 3.2941890 1.10979629 -0.3694246
## C8.A138.03TCGA 0.24896891 3.16736597 -0.7201730 0.42451159 0.4976544
## NP_683723 NP_055779 NP_689725 NP_001159403 NP_056528
## AO.A12D.01TCGA 0.8523041 0.9361197 NA -0.16110221 -0.53827223
## C8.A131.01TCGA -0.5474041 -0.4381114 NA 0.35527330 -0.05761056
## AO.A12B.01TCGA 0.7231374 0.6760224 NA -0.52402583 1.50192158
## BH.A18Q.02TCGA -1.3134266 -1.3134266 2.356457 -1.15619362 -1.18964744
## C8.A130.02TCGA 0.2340713 0.2340713 1.546019 0.04055904 -0.39566352
## C8.A138.03TCGA -0.4276018 -0.4276018 NA -0.66897302 0.45011157
## NP_056041 NP_001230332 NP_001216 NP_001129584 XP_003960209
## AO.A12D.01TCGA -0.9954480 -0.9306814 2.33050579 2.3343156 -1.1706987
## C8.A131.01TCGA -0.4016804 -0.4421592 1.99061720 2.7354273 -0.5109732
## AO.A12B.01TCGA 1.2635748 1.3162328 -1.71575959 -0.9840905 0.5623919
## BH.A18Q.02TCGA -1.3602619 -0.8283462 1.31604358 1.1353930 0.4796981
## C8.A130.02TCGA 0.2373512 0.2373512 -1.21563073 -0.9499614 0.2209518
## C8.A138.03TCGA 1.3899963 1.3424535 -0.09480217 -0.0326308 0.3915973
## NP_001096045 NP_443102 NP_002216 NP_057068 NP_001186190
## AO.A12D.01TCGA 0.47894388 0.80658652 -2.4660301 -0.02013968 -0.1725316
## C8.A131.01TCGA -0.06165844 -0.07380208 -0.1507118 -0.21952579 -0.2114300
## AO.A12B.01TCGA -0.57391236 -0.59054120 3.9047894 1.05017133 1.0612572
## BH.A18Q.02TCGA 1.39633274 1.54352954 -0.3231935 0.24552138 0.2321399
## C8.A130.02TCGA -0.02175846 -0.06767663 -0.9368419 -0.60885499 -0.6383738
## C8.A138.03TCGA -0.25571629 -0.25937343 0.6549114 -0.43491611 -0.4349161
## NP_003725 NP_033720 NP_003375 NP_001074012 NP_057307
## AO.A12D.01TCGA -4.0470963 -0.2868256 -0.8125777 -0.8849639 -0.14967282
## C8.A131.01TCGA -3.9030974 -1.1464905 -0.3895368 -0.2397652 0.03953859
## AO.A12B.01TCGA -3.4784170 -0.7984017 -1.0118052 0.4931051 1.19151650
## BH.A18Q.02TCGA -0.5506795 -2.1865712 -0.1626152 0.1618868 0.76071019
## C8.A130.02TCGA -1.5796962 -2.2553492 1.0638781 1.3754657 0.31934790
## C8.A138.03TCGA -2.4755998 -1.1919439 1.8873673 -1.4589151 0.11365476
## NP_001121700 NP_001139490 NP_001139488 NP_005834 NP_003464
## AO.A12D.01TCGA 1.51901878 0.20082861 0.200828613 -0.81638750 -0.76305032

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## C8.A131.01TCGA -0.45430289 0.26621992 0.266219920 -0.65669693 0.52933218
## A0.A12B.01TCGA 0.09124137 0.46816182 0.468161821 1.75412570 -0.16927717
## BH.A18Q.02TCGA -0.79489238 -0.03214531 -0.002036877 -1.15284824 -0.05221761
## C8.A130.02TCGA -0.17591230 0.09631682 0.024159700 -1.01555873 0.10615642
## C8.A138.03TCGA 1.65696749 -0.34714477 -0.361773328 0.02588342 -1.13708683
## NP_061940 NP_057231 NP_002175 NP_001171619 NP_001028219
## A0.A12D.01TCGA -1.460243387 -0.5154134 -1.4526238 -0.3515921 -0.3515921
## C8.A131.01TCGA -0.604074480 -0.3976326 -1.5472307 -1.7172417 -1.7172417
## A0.A12B.01TCGA -0.632113308 0.9697986 0.4543045 1.3467190 1.3467190
## BH.A18Q.02TCGA -0.363338118 -0.7647839 -1.4706595 -2.0828644 -2.0627921
## C8.A130.02TCGA 0.004480487 0.6210958 -1.9044032 1.1589943 1.1097963
## C8.A138.03TCGA -0.672630157 -0.8006300 -1.6161721 -1.4077151 -1.4406294
## NP_001171621 NP_055686 NP_005198 NP_060139 NP_116764
## A0.A12D.01TCGA -0.3515921 0.15130124 0.7532493 -0.4201685 -1.46405319
## C8.A131.01TCGA -1.6524756 -0.26000460 0.2297890 0.5252843 -0.56359567
## A0.A12B.01TCGA 1.5545796 1.24417451 1.2608033 -1.3748683 -0.95360428
## BH.A18Q.02TCGA -2.0627921 0.08828843 0.1551961 -1.5877479 -1.81523385
## C8.A130.02TCGA 1.2344313 0.22423170 -0.0709565 0.5784575 0.09303695
## C8.A138.03TCGA -1.5210864 1.53993904 -0.7713729 1.2693107 -1.44794366
## NP_054745 NP_078894 NP_038466 NP_444295 NP_064516
## A0.A12D.01TCGA -0.2296786 1.2370937 0.8904021 1.0770822 -0.2296786
## C8.A131.01TCGA 0.4321830 1.4077223 -0.4421592 -0.3085792 0.2540763
## A0.A12B.01TCGA 0.6898797 0.9642556 -0.1720486 0.1965574 0.4543045
## BH.A18Q.02TCGA 1.5769834 1.0283407 -0.7748201 -0.8919085 -0.7580932
## C8.A130.02TCGA -1.2713885 -0.1398337 -0.5137388 -0.5563771 0.3980648
## C8.A138.03TCGA -0.2191449 0.4098830 -0.6433730 -0.4458875 -1.4845151
## NP_038472 NP_059509 NP_005556 NP_056170 NP_443094
## A0.A12D.01TCGA 1.0427940 -0.5535114 0.26940498 -0.7211425 0.6922926
## C8.A131.01TCGA -0.3409622 -0.4340635 1.17294525 -0.3288186 0.5414758
## A0.A12B.01TCGA -0.8288880 0.1411279 -1.92916308 0.4071894 -1.5993577
## BH.A18Q.02TCGA -0.7848562 -0.2061052 1.57029260 0.7774371 0.5700234
## C8.A130.02TCGA -0.5858959 -0.3038272 -0.62197447 1.2344313 -0.9729204
## C8.A138.03TCGA -0.4641732 -2.3805141 -0.03994508 0.4537687 -0.1606307
## NP_079012 NP_659731 NP_002747 NP_002749 NP_001003962
## A0.A12D.01TCGA -0.2639668 1.5685462 1.5952147 0.1132033 0.89802168
## C8.A131.01TCGA -1.0412456 0.9786470 1.0191258 -0.9643359 0.33098601
## A0.A12B.01TCGA 0.6760224 -0.3494230 -0.3688233 -2.0206217 1.20260240
## BH.A18Q.02TCGA -0.6945309 0.1786137 0.1853045 2.5337626 0.71387484
## C8.A130.02TCGA -1.2746684 -0.2185506 -0.2185506 0.4407030 -0.45470115
## C8.A138.03TCGA 1.7227960 -0.3983447 -0.6726302 -0.9615442 0.08439765
## NP_115706 NP_001171867 NP_065960 NP_060894 NP_444504
## A0.A12D.01TCGA 0.3798891 -1.003067607 -1.10593216 0.5056125 -0.2296786
## C8.A131.01TCGA 0.7114868 -0.000940222 -0.02522751 -1.5958053 -1.0857723
## A0.A12B.01TCGA 0.4404471 -0.366051816 -0.24410697 0.1244991 -0.7817729
## BH.A18Q.02TCGA 1.1855737 -2.577980910 -2.61812549 -0.2094506 -0.8116193
## C8.A130.02TCGA -0.3825440 -1.346825486 -1.40914300 -1.0877158 -0.3267863
## C8.A138.03TCGA -0.3837162 0.581768577 0.51959721 -1.3272581 -0.6250873
## NP_001922 NP_066923 NP_055566 NP_612392 NP_005602
## A0.A12D.01TCGA 0.29988337 0.41417731 -1.15164973 0.398938118 0.04081709
## C8.A131.01TCGA -0.49882958 -0.77408548 0.73172623 -0.004988103 0.25407628
## A0.A12B.01TCGA 3.45303919 1.95921477 -0.03624642 -0.826116480 0.08569843
## BH.A18Q.02TCGA 0.87445317 -0.06559913 0.19534065 -0.406828082 0.96477848
## C8.A130.02TCGA -1.89128372 0.96220220 2.69725283 0.161914192 -0.33334601
## C8.A138.03TCGA -0.00337369 0.50862579 -2.66211386 -0.065545055 -0.08017361

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| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_624311 | NP_060230 | NP_078813 | NP_071760 | NP_006633 |
| ## | AO.A12D.01TCGA | -0.8621051 | -1.7193097 | 0.91326087 | 0.7265808 | -0.18777080 |
| ## | C8.A131.01TCGA | -0.2923876 | -0.7093194 | -0.77003760 | 0.4159915 | 0.12454409 |
| ## | AO.A12B.01TCGA | 0.8007387 | -1.4607840 | 2.54953870 | -3.5532468 | -0.66259952 |
| ## | BH.A18Q.02TCGA | -0.1325068 | 1.1588106 | -0.41351885 | -4.8595313 | 0.96143310 |
| ## | C8.A130.02TCGA | 1.7788895 | -0.3103869 | 0.09303695 | -2.9113229 | 0.39478488 |
| ## | C8.A138.03TCGA | -0.4239447 | -0.4970875 | -0.34348763 | 1.8837101 | -0.09480217 |
| ## | | NP_006704 | NP_057195 | NP_064575 | NP_114415 | NP_001139632 |
| ## | AO.A12D.01TCGA | -3.9709004 | -0.83162669 | 0.1132033 | -0.07728665 | 0.002719109 |
| ## | C8.A131.01TCGA | -2.7656429 | -0.19928639 | -1.0614850 | 0.55766735 | 0.760061393 |
| ## | AO.A12B.01TCGA | 1.6488097 | -0.07504706 | -1.9762781 | 0.50696246 | 0.470933294 |
| ## | BH.A18Q.02TCGA | -0.7246394 | -0.42355499 | 0.3893728 | 0.22210371 | 0.145159925 |
| ## | C8.A130.02TCGA | -1.0549172 | 0.26687000 | 1.1688339 | 3.45490253 | 3.251550665 |
| ## | C8.A138.03TCGA | -4.0298839 | 0.02954056 | 1.2656536 | -0.59217310 | -0.577544539 |
| ## | | NP_570602 | NP_002004 | NP_055965 | NP_037415 | NP_060334 |
| ## | AO.A12D.01TCGA | -0.8697247 | -1.52881975 | 3.694413531 | 0.21987760 | 0.05224649 |
| ## | C8.A131.01TCGA | -0.3531059 | -0.81051641 | -0.000940222 | -0.48668593 | -0.25190884 |
| ## | AO.A12B.01TCGA | -1.2168943 | -0.02238906 | -2.308855003 | 1.83172697 | -0.37713771 |
| ## | BH.A18Q.02TCGA | 0.1585415 | -1.18630206 | -0.058908368 | 0.01134465 | -0.08567142 |
| ## | C8.A130.02TCGA | 0.8506867 | 1.63457531 | -1.012278862 | -0.30382719 | 0.73589124 |
| ## | C8.A138.03TCGA | -2.0184574 | -0.01434511 | 0.691482752 | 0.07708337 | 0.52691149 |
| ## | | NP_001099026 | NP_055752 | NP_060873 | NP_438171 | NP_002442 |
| ## | AO.A12D.01TCGA | -0.1191944 | 1.5075894 | -0.23729818 | 0.0217681 | -0.07347685 |
| ## | C8.A131.01TCGA | 0.8531627 | 0.1852623 | 0.45242244 | -0.8226600 | 0.07596952 |
| ## | AO.A12B.01TCGA | -1.4219834 | -0.5406547 | 0.62059288 | -0.5461976 | 0.39610350 |
| ## | BH.A18Q.02TCGA | 1.3193890 | -0.5807879 | 0.02807156 | -2.8021215 | 2.32969428 |
| ## | C8.A130.02TCGA | -0.7564491 | 0.7621302 | -0.40550312 | -1.2877878 | -1.03195807 |
| ## | C8.A138.03TCGA | -1.2724010 | 0.9767396 | -0.06920219 | 0.5488543 | -1.12977255 |
| ## | | NP_006107 | NP_036421 | NP_998734 | NP_006139 | NP_006384 |
| ## | AO.A12D.01TCGA | 0.23511680 | 0.04843669 | -0.1039552 | -0.5535114 | 0.24654619 |
| ## | C8.A131.01TCGA | 0.23788475 | -0.25190884 | -1.6848587 | -0.3571537 | -0.55145203 |
| ## | AO.A12B.01TCGA | -0.29399349 | -0.77900142 | 1.6016946 | 1.5961517 | 1.02522807 |
| ## | BH.A18Q.02TCGA | 0.38937280 | 0.56333266 | -1.6981455 | -1.8654146 | -1.69480010 |
| ## | C8.A130.02TCGA | 0.21439209 | 1.52305977 | 1.6608143 | 0.3587063 | 2.11671604 |
| ## | C8.A138.03TCGA | 0.07708337 | -0.79331575 | 0.7353684 | 1.6679389 | -0.04360222 |
| ## | | NP_001258537 | NP_001120675 | NP_078930 | NP_001012321 | NP_006828 |
| ## | AO.A12D.01TCGA | -1.1211714 | 0.3303618 | -0.16491201 | 0.1017739 | -0.60303880 |
| ## | C8.A131.01TCGA | -0.2842919 | -0.3814410 | -0.02927539 | 0.1366877 | -0.01308386 |
| ## | AO.A12B.01TCGA | 1.5795228 | 0.3767032 | -1.23352314 | 0.1716141 | 0.83676785 |
| ## | BH.A18Q.02TCGA | -2.4943464 | 0.9513970 | -0.75809318 | 0.5399150 | 0.10501534 |
| ## | C8.A130.02TCGA | 0.3127882 | 0.7293315 | 0.27998947 | 0.8244477 | 0.69981269 |
| ## | C8.A138.03TCGA | 1.6679389 | 1.0608538 | 0.22336894 | -0.5556017 | -0.38371616 |
| ## | | NP_008921 | NP_006637 | NP_003790 | NP_536350 | NP_001095856 |
| ## | AO.A12D.01TCGA | 1.09994098 | 0.66562399 | -0.4277881 | -0.1306238 | -0.5497016 |
| ## | C8.A131.01TCGA | 1.35105201 | 1.10008339 | 0.1731187 | 0.3957521 | -0.2842919 |
| ## | AO.A12B.01TCGA | 0.52081982 | -0.73742932 | -1.1254357 | -0.1166192 | -1.6132151 |
| ## | BH.A18Q.02TCGA | -0.32653892 | 0.05483462 | 0.7540194 | -0.1224706 | 0.5599873 |
| ## | C8.A130.02TCGA | -0.04143768 | 0.24719078 | 1.3459469 | -1.6059351 | -1.2976275 |
| ## | C8.A138.03TCGA | -0.54097315 | -1.02737266 | 0.4245116 | 1.0681681 | 0.1429119 |
| ## | | NP_892023 | NP_005263 | NP_000163 | NP_056994 | NP_536351 |
| ## | AO.A12D.01TCGA | 0.2046384 | -0.40873909 | -0.5039840 | -7.742601 | -0.1496728 |
| ## | C8.A131.01TCGA | 0.3269381 | -0.43001560 | 0.1043047 | -8.404341 | 0.3957521 |
| ## | AO.A12B.01TCGA | -0.7014002 | -1.89590540 | -1.6326154 | -7.131220 | -0.2468784 |
| ## | BH.A18Q.02TCGA | -0.1793421 | -0.02879993 | 0.5599873 | NA | -0.1525791 |


```

## C8.A130.02TCGA -1.2418697 -1.29762745 -1.2976275 NA -1.6551332
## C8.A138.03TCGA 0.9438254 0.44279729 0.1429119 4.626564 1.0864538
## NP_001070957 NP_006563 NP_002061 NP_006487 NP_002060
## A0.A12D.01TCGA -0.1306238 -0.91163245 0.4903733 0.94373925 0.4675145
## C8.A131.01TCGA 0.3957521 -1.25578331 1.9298990 1.11222703 1.7194092
## A0.A12B.01TCGA -0.2468784 -1.01180523 -1.3277533 -1.23906609 -1.2390661
## BH.A18Q.02TCGA -0.1358522 -0.02879993 0.2756298 -0.08567142 0.5098065
## C8.A130.02TCGA -1.6321741 -1.46162090 -1.4747404 -1.26482876 -1.5403377
## C8.A138.03TCGA 1.1413109 -0.27765913 1.5106819 0.94382535 1.5838247
## NP_031379 NP_620073 NP_001035997 NP_891552 NP_057058
## A0.A12D.01TCGA -0.5497016 0.2046384 -1.5097708 0.4446557 -0.3782607
## C8.A131.01TCGA -0.4138241 1.3874829 -1.7050981 0.9057851 1.8610850
## A0.A12B.01TCGA -0.6847713 -1.3000385 1.6460382 -0.7208005 1.2885181
## BH.A18Q.02TCGA 0.5064612 0.5733688 -1.2197559 0.2890113 0.7138748
## C8.A130.02TCGA -0.6285342 -1.5075391 -0.3759843 -0.3038272 -0.9630808
## C8.A138.03TCGA -0.2264592 1.7630245 -0.3215448 -0.5958302 3.9024509
## NP_060586 NP_001243461 NP_060640 NP_067038 NP_113626
## A0.A12D.01TCGA 0.1093935 0.1093935 -1.3383298 -1.18593792 -2.222203
## C8.A131.01TCGA -0.4623986 -0.4623986 -1.4055549 -1.45412948 -2.757547
## A0.A12B.01TCGA 0.3794747 0.3794747 1.0030563 0.03304042 2.510738
## BH.A18Q.02TCGA -1.7014909 -1.8085431 0.9380154 0.86776241 -2.798776
## C8.A130.02TCGA -1.4878598 -1.4911397 -0.3563051 0.32262777 -1.897843
## C8.A138.03TCGA 0.5488543 0.5488543 -1.3053152 -0.69091585 2.121424
## NP_065949 NP_071908 NP_006539 NP_006538 NP_006537 NP_036519
## A0.A12D.01TCGA -0.5306526 1.5304482 -1.410716 -1.071644 -0.2106296 -2.4317419
## C8.A131.01TCGA -0.1830949 2.4925544 2.010857 2.237538 3.0714014 8.1636356
## A0.A12B.01TCGA -0.1304765 -1.1337501 -2.411400 -1.920849 -0.2690502 -0.7679155
## BH.A18Q.02TCGA 0.6536580 0.9112524 6.116667 6.367570 4.4138672 -5.2174872
## C8.A130.02TCGA -1.6321741 -0.2743084 -1.022118 -0.484220 -0.6055751 -4.5742165
## C8.A138.03TCGA -0.5080589 1.1595966 -2.369543 -2.033086 NA -5.5293110
## NP_057317 NP_847884 NP_115796 NP_003360 NP_001279
## A0.A12D.01TCGA -3.509915 0.86373349 -0.01632988 -0.1077650 0.5703790
## C8.A131.01TCGA 5.706572 0.47266185 0.00715554 -0.1507118 0.3512254
## A0.A12B.01TCGA -3.539389 -1.99013551 -0.45473898 -0.5461976 0.5319057
## BH.A18Q.02TCGA -5.455009 -0.54064336 -1.76839850 0.2589029 0.6871118
## C8.A130.02TCGA -2.826046 0.36198619 -1.25498916 -0.2480694 -0.3661447
## C8.A138.03TCGA -6.487481 0.00028345 2.54565231 0.2343404 0.9255397
## NP_001076437 NP_057327 NP_057452 NP_002991 NP_976325
## A0.A12D.01TCGA 0.4103675 1.0504136 0.9551686 -0.01252008 1.4390130
## C8.A131.01TCGA -0.3976326 -1.2072087 -0.6162181 -0.68098422 -0.2640525
## A0.A12B.01TCGA 3.1038335 1.4354062 1.9703007 2.51350954 -1.2002655
## BH.A18Q.02TCGA -1.8721053 -0.9353984 -1.9356676 0.42282662 0.3759913
## C8.A130.02TCGA -0.8745244 -2.0257583 1.3000287 -0.90076332 -2.3242264
## C8.A138.03TCGA 0.1648547 0.5305686 -0.5665731 -1.14805825 -1.0237155
## NP_149991 NP_001165131 NP_037390 NP_660183 NP_006222
## A0.A12D.01TCGA 1.313290 2.9553127 -1.6126353 -2.07743069 NA
## C8.A131.01TCGA -1.081724 1.0231737 -0.4543029 -0.57169143 NA
## A0.A12B.01TCGA -1.200265 -1.5522426 0.6399932 0.70928005 NA
## BH.A18Q.02TCGA 1.372915 1.5669472 -0.5272618 0.04479847 0.007999269
## C8.A130.02TCGA -1.523938 -0.7203705 -1.2057911 -1.10739506 -0.936841878
## C8.A138.03TCGA -1.440629 1.1632537 0.5781114 0.50496865 0.457425845
## NP_002906 NP_005350 NP_006308 NP_006532 NP_062539
## A0.A12D.01TCGA -0.8011483 -0.1953904 1.797134 -0.77066992 1.5342580
## C8.A131.01TCGA 0.3066987 0.7519656 2.415645 -0.44620712 1.7072655

```

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## A0.A12B.01TCGA -0.1415624 0.4931051 1.105601 -0.65705657 2.4303653
## BH.A18Q.02TCGA 1.0417223 0.3960636 -3.297238 -0.02545455 -0.9956153
## C8.A130.02TCGA 0.1979927 0.1422350 1.769050 1.64769479 -1.2812281
## C8.A138.03TCGA -0.1716021 -0.2045163 2.044624 0.26359747 -0.8189157
## NP_001731 NP_004920 NP_689588 NP_065952 NP_060498
## A0.A12D.01TCGA -4.6833326 -7.5787792 NA 0.8751629 0.581808430
## C8.A131.01TCGA -2.0086892 -3.5630754 NA 1.0231737 -0.094041483
## A0.A12B.01TCGA -4.9001831 -7.2199067 NA 0.8977403 0.002554209
## BH.A18Q.02TCGA 0.5164973 0.4629712 -1.8687600 -0.6309687 0.014690033
## C8.A130.02TCGA -0.7531692 -1.1172347 0.0766376 -0.8810841 1.152434590
## C8.A138.03TCGA -1.9526289 -5.6170823 -2.1245144 -0.2593734 -0.050916499
## NP_056404 NP_077748 NP_006266 NP_005617 NP_001034554
## A0.A12D.01TCGA 1.2485231 0.7075318 0.2884540 0.1208229 0.3836989
## C8.A131.01TCGA -2.1301256 1.9622820 -0.6081224 -1.4581774 -1.8872527
## A0.A12B.01TCGA -0.4713678 -0.1027618 -0.2247066 -0.3272512 0.9199121
## BH.A18Q.02TCGA 1.4364773 -0.1124345 -1.6446194 -1.8587238 0.7774371
## C8.A130.02TCGA 0.8506867 0.7555705 1.4246637 1.0999567 1.3033086
## C8.A138.03TCGA -0.0509165 -0.8701157 0.2379975 -0.6982301 -0.3837162
## NP_001372 NP_536739 NP_006627 NP_001935 NP_573571
## A0.A12D.01TCGA -0.309684341 -0.9154422 2.17811386 -3.8070791 3.8048977
## C8.A131.01TCGA 0.003107659 -0.9562401 -0.05356267 -1.3488846 -0.1426161
## A0.A12B.01TCGA 0.567934880 0.7342233 -1.87650508 -2.7772341 1.2552604
## BH.A18Q.02TCGA -0.477081101 -1.0357599 0.13846916 1.1119753 -2.0895552
## C8.A130.02TCGA -1.245149551 -1.9995194 0.51941990 -3.3541052 1.8969648
## C8.A138.03TCGA 1.678910327 -1.9050861 -1.91240033 -0.2886305 2.6187951
## NP_001136022 NP_009106 NP_006450 NP_001257449 NP_056160
## A0.A12D.01TCGA -1.0564048 -1.5745373 -1.7193097 0.9704078 0.8637335
## C8.A131.01TCGA -0.2600046 -1.9682104 -1.4541295 1.0474609 1.0110300
## A0.A12B.01TCGA 0.8201390 3.0123748 2.6243685 -2.0982230 -3.2289843
## BH.A18Q.02TCGA -0.1391975 1.0015777 -0.3031212 -4.3476879 -1.3569165
## C8.A130.02TCGA -0.3005473 -0.6678926 -0.7367699 -0.1004753 0.4603823
## C8.A138.03TCGA 1.7849674 -1.5540007 0.3915973 2.9991376 3.5147942
## NP_001188356 NP_000167 NP_000892 NP_002907 NP_002660
## A0.A12D.01TCGA 0.8637335 0.04843669 -2.3326872 -1.3421396 0.753249347
## C8.A131.01TCGA 1.0110300 -0.16690334 -1.5148477 -0.3531059 0.250028396
## A0.A12B.01TCGA -3.2289843 -1.30280999 1.2136883 -0.1720486 -0.008531686
## BH.A18Q.02TCGA -1.3569165 0.37264589 -3.7421738 0.6737303 -0.065599132
## C8.A130.02TCGA 0.4603823 -1.01555873 -1.7469695 0.6604543 0.483341341
## C8.A138.03TCGA 3.5147942 -1.08588688 -0.1204021 -0.9505727 -0.193544926
## NP_001129695 NP_055971 NP_001129696 NP_683759 NP_006126
## A0.A12D.01TCGA 0.81039632 0.32274215 1.01231562 3.45820604 0.17035023
## C8.A131.01TCGA -1.16672993 -0.09808936 -1.12625112 -0.17095122 0.57790675
## A0.A12B.01TCGA 0.77856689 0.06352663 1.07511460 -0.92866101 -0.30507939
## BH.A18Q.02TCGA 0.01134465 -0.37671964 -0.09236219 -0.12916139 0.38268204
## C8.A130.02TCGA -0.50061932 0.33902711 -0.40222325 0.06351813 -0.34646548
## C8.A138.03TCGA -0.37274474 0.37331164 -0.30325910 -2.81937085 -0.06554506
## NP_006127 NP_001071168 NP_078888 NP_006409 NP_006065
## A0.A12D.01TCGA 0.66943379 -0.2792060 -1.5935863 -1.871702 0.4484655
## C8.A131.01TCGA 0.35527330 -0.1345203 -1.0857723 4.577213 0.4726618
## A0.A12B.01TCGA 0.47924772 -0.1969919 -0.1803631 -1.205808 -0.2939935
## BH.A18Q.02TCGA 0.14181454 0.1485053 0.4161359 -1.356917 1.8981400
## C8.A130.02TCGA 0.07991747 0.3882251 1.9855213 -1.012279 -0.6875718
## C8.A138.03TCGA -0.63971590 -0.1386878 -0.4495447 -4.366341 -0.4129733
## NP_065970 NP_001018146 NP_001018148 NP_937818 XP_003960919

```

| | | | | | | |
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| ## | A0.A12D.01TCGA | 0.01033871 | -1.8183644 | -1.6469235 | -1.9364682 | -1.3345200 |
| ## | C8.A131.01TCGA | 0.30265085 | -1.1667299 | -1.0048147 | -1.3772197 | -0.7781334 |
| ## | A0.A12B.01TCGA | -0.09999032 | 0.9420839 | 1.0002848 | 1.1832021 | 0.8783400 |
| ## | BH.A18Q.02TCGA | -1.08928598 | -0.5071895 | -0.7948924 | -0.7279847 | -0.7179486 |
| ## | C8.A130.02TCGA | -1.18611191 | 0.8506867 | 0.7654101 | 1.1753937 | 0.6374952 |
| ## | C8.A138.03TCGA | 0.95113963 | -1.5942292 | -1.5905721 | -1.2980010 | -1.3748009 |
| ## | | NP_004628 | NP_116189 | NP_006138 | NP_075392 | NP_001070254 |
| ## | A0.A12D.01TCGA | 2.9934107 | 3.8620447 | 1.3399583 | 0.9132609 | 0.24654619 |
| ## | C8.A131.01TCGA | 0.4767097 | 1.7477443 | -1.0331499 | 0.3390818 | 0.00715554 |
| ## | A0.A12B.01TCGA | -2.2534255 | -0.3965380 | -0.2967650 | 1.3550335 | 0.47647624 |
| ## | BH.A18Q.02TCGA | 0.7908186 | 0.7473287 | 2.1356621 | -0.6878402 | 0.28566596 |
| ## | C8.A130.02TCGA | 0.4472628 | -0.2415097 | -0.7138108 | -0.4514213 | 0.21439209 |
| ## | C8.A138.03TCGA | 1.1047395 | -0.1057736 | 0.8670254 | -0.0326308 | -0.81525858 |
| ## | | NP_005056 | NP_065701 | NP_775818 | NP_060825 | NP_031396 |
| ## | A0.A12D.01TCGA | 3.34010230 | 0.6199064 | -1.1287909 | NA | -1.50215117 |
| ## | C8.A131.01TCGA | -0.07784996 | 4.0064619 | -0.9036177 | NA | -0.77813336 |
| ## | A0.A12B.01TCGA | -1.44415515 | -1.4940417 | -0.1027618 | NA | -0.14987685 |
| ## | BH.A18Q.02TCGA | -0.85176387 | -2.0193021 | 0.8878347 | -5.7962383 | 0.52987884 |
| ## | C8.A130.02TCGA | -1.29434758 | 0.7949289 | 0.3226278 | 2.5529386 | -0.07751624 |
| ## | C8.A138.03TCGA | 1.48873909 | 0.3330831 | -0.4568589 | -0.5738874 | -0.51903031 |
| ## | | NP_001123584 | NP_073745 | NP_001003722 | NP_056473 | NP_006187 |
| ## | A0.A12D.01TCGA | -1.7764566 | 0.12844245 | 0.17796982 | -0.66780537 | -0.41635869 |
| ## | C8.A131.01TCGA | -0.8348037 | 0.49694913 | 0.31479449 | -0.56764355 | 0.01525130 |
| ## | A0.A12B.01TCGA | -0.1027618 | -0.48245372 | -0.42148129 | -1.21412282 | 0.09124137 |
| ## | BH.A18Q.02TCGA | 0.7674010 | 0.52318807 | 0.20537680 | 0.08494305 | -0.03549070 |
| ## | C8.A130.02TCGA | -0.2054311 | 0.35214659 | 0.02087983 | 0.68997308 | 0.50958029 |
| ## | C8.A138.03TCGA | -0.6982301 | -0.09845931 | 0.11731190 | -1.25045815 | -0.55560170 |
| ## | | NP_065389 | NP_127501 | NP_004286 | NP_996667 | NP_821068 |
| ## | A0.A12D.01TCGA | -0.32111374 | 0.60847702 | 3.766799696 | -3.4870560 | -0.06966706 |
| ## | C8.A131.01TCGA | 0.01120342 | 0.95435968 | -0.004988103 | -2.3729984 | -0.92385707 |
| ## | A0.A12B.01TCGA | -0.06950411 | -0.03624642 | -0.698628681 | 2.8682582 | -0.03347495 |
| ## | BH.A18Q.02TCGA | -2.47761945 | -0.48377187 | -1.139466709 | -3.1600774 | -1.09263136 |
| ## | C8.A130.02TCGA | 0.54893872 | 1.06715800 | 0.148794717 | -0.6908517 | -1.96344083 |
| ## | C8.A138.03TCGA | 0.18679755 | 0.33308311 | -1.568629253 | 2.6443951 | 0.70245417 |
| ## | | NP_065751 | NP_005158 | NP_000150 | NP_839946 | NP_001875 |
| ## | A0.A12D.01TCGA | -2.6793788 | -1.7040705 | -0.1839610 | 1.66379111 | 0.6160966 |
| ## | C8.A131.01TCGA | -3.5185487 | -1.1829215 | -0.3692974 | -2.76969078 | -0.3935847 |
| ## | A0.A12B.01TCGA | -0.3605089 | -0.3771377 | 3.0206893 | -3.26224202 | -0.8482883 |
| ## | BH.A18Q.02TCGA | -2.8054669 | -0.8785269 | 0.1685776 | 5.76874683 | 4.9625098 |
| ## | C8.A130.02TCGA | -2.1864719 | -1.5272183 | 1.9396031 | 0.98844115 | 0.6735737 |
| ## | C8.A138.03TCGA | 0.9877110 | 0.4427973 | -2.0074860 | 0.06976909 | -1.0895440 |
| ## | | NP_075378 | NP_001013455 | NP_001649 | NP_001650 | NP_001651 |
| ## | A0.A12D.01TCGA | -1.7269293 | -0.3973097 | 0.8637335 | 0.8370649 | 1.5037796 |
| ## | C8.A131.01TCGA | -0.4583508 | -0.4907338 | 0.3107466 | 0.3107466 | 0.6467207 |
| ## | A0.A12B.01TCGA | -2.9518369 | -0.1637342 | 0.6843368 | 0.7037371 | 0.6510791 |
| ## | BH.A18Q.02TCGA | 7.7391767 | 0.1317784 | -1.2900089 | -1.3033904 | -1.6111656 |
| ## | C8.A130.02TCGA | 1.6378552 | 0.3587063 | -0.6088550 | -0.6088550 | -1.0221185 |
| ## | C8.A138.03TCGA | -2.2305714 | 0.3623402 | 0.6402828 | 0.6402828 | 0.9365111 |
| ## | | NP_001653 | NP_057660 | NP_006868 | NP_004044 | NP_848018 |
| ## | A0.A12D.01TCGA | 0.2351168 | -0.5077938 | -1.9478976 | 0.04081709 | 0.8713531 |
| ## | C8.A131.01TCGA | 0.2419326 | -1.4743689 | -0.9117134 | -0.89956979 | 0.9098330 |
| ## | A0.A12B.01TCGA | 0.7453092 | 0.5596205 | 1.4021485 | -1.56610000 | -1.3637824 |
| ## | BH.A18Q.02TCGA | -1.5108041 | -1.2665912 | -2.0293383 | -0.16596059 | 0.8409994 |
| ## | C8.A130.02TCGA | -0.1857519 | -0.3366259 | -0.9466815 | 0.68013347 | 0.2570304 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A138.03TCGA | 0.1794833 | 1.4485106 | -0.9578870 | -0.50805889 | -0.2118306 |
| ## | | NP_777568 | NP_003894 | NP_068806 | NP_037453 | NP_055886 |
| ## | A0.A12D.01TCGA | 0.4027479 | -0.01632988 | 0.7570591 | -0.36683131 | 1.2790015 |
| ## | C8.A131.01TCGA | 0.9624554 | 0.10025680 | -0.2519088 | 0.86125842 | 1.2498550 |
| ## | A0.A12B.01TCGA | -1.3637824 | 0.32404518 | 1.7458113 | 0.03858337 | -1.1697792 |
| ## | BH.A18Q.02TCGA | 0.8978708 | 0.23213985 | 0.6469672 | 0.31242902 | 1.8981400 |
| ## | C8.A130.02TCGA | 0.2570304 | -0.47110050 | -1.0450776 | 0.14879472 | -0.6908517 |
| ## | C8.A138.03TCGA | -0.6543445 | 0.10999762 | 1.1303395 | -0.36177333 | -1.4516008 |
| ## | | NP_006076 | NP_000535 | NP_055099 | NP_001014841 | NP_001121187 |
| ## | A0.A12D.01TCGA | -0.6982838 | 4.5211397 | -0.3401627 | -0.3401627 | 0.2732148 |
| ## | C8.A131.01TCGA | -0.6121702 | -0.4097762 | -0.2154779 | -0.2154779 | 1.7315528 |
| ## | A0.A12B.01TCGA | 1.0778861 | -1.8127612 | -0.5849983 | -0.5849983 | 0.2381295 |
| ## | BH.A18Q.02TCGA | 0.2020314 | 3.0890960 | 0.2957021 | 0.4395535 | -0.1693060 |
| ## | C8.A130.02TCGA | -0.8023673 | -1.7338500 | -0.7630088 | -0.8515653 | -0.3891038 |
| ## | C8.A138.03TCGA | -1.5357150 | -1.1261154 | 0.4354830 | 0.4135402 | 0.7097684 |
| ## | | NP_055795 | NP_001020424 | NP_001020423 | NP_057531 | NP_001265299 |
| ## | A0.A12D.01TCGA | 0.3113128 | 1.3856758 | 1.3856758 | 1.6295029 | -1.0525950 |
| ## | C8.A131.01TCGA | 1.9298990 | 1.1729452 | 1.1729452 | 0.4848055 | -0.4138241 |
| ## | A0.A12B.01TCGA | -1.4884987 | 1.6488097 | 1.6488097 | -2.4141710 | 1.4160059 |
| ## | BH.A18Q.02TCGA | -1.2799727 | -1.7115270 | -1.7115270 | 0.7339471 | -1.2465189 |
| ## | C8.A130.02TCGA | 0.2603103 | 1.9396031 | 1.9396031 | -0.7990874 | 0.3685459 |
| ## | C8.A138.03TCGA | -1.3418866 | -0.3178877 | -0.4239447 | -1.4077151 | -0.5629160 |
| ## | | NP_004337 | NP_963293 | NP_963294 | NP_060177 | NP_258261 |
| ## | A0.A12D.01TCGA | 0.2084482 | -2.0736209 | -2.3098284 | 1.1342292 | 0.73039056 |
| ## | C8.A131.01TCGA | 0.7155347 | -2.0572637 | -2.0653595 | -0.1790470 | -1.34483669 |
| ## | A0.A12B.01TCGA | -0.4824537 | -0.2330211 | -0.3050794 | -1.3471536 | 0.08015548 |
| ## | BH.A18Q.02TCGA | 0.9079070 | 3.9287868 | 3.7213731 | -0.7112578 | NA |
| ## | C8.A130.02TCGA | 0.2176720 | -0.6449335 | -0.6744524 | -0.4055031 | NA |
| ## | C8.A138.03TCGA | -0.6982301 | 2.2347955 | 2.3189097 | 1.1413109 | 2.11045275 |
| ## | | NP_653232 | NP_689473 | NP_079055 | NP_003064 | NP_001007469 |
| ## | A0.A12D.01TCGA | NA | 0.2351168 | -0.27539616 | 0.09796406 | 0.12082285 |
| ## | C8.A131.01TCGA | NA | 0.7114868 | -1.30840576 | -0.83075581 | -0.75789396 |
| ## | A0.A12B.01TCGA | NA | -0.3383371 | -1.10049239 | 0.14389938 | 0.06075516 |
| ## | BH.A18Q.02TCGA | -7.8536481 | 0.6101680 | -0.83503696 | 0.20537680 | 0.12508763 |
| ## | C8.A130.02TCGA | 2.7267716 | 0.5587783 | -0.79252765 | 1.13931512 | 1.34922672 |
| ## | C8.A138.03TCGA | 0.9255397 | -0.5921731 | 0.09902621 | -0.31057338 | -0.25937343 |
| ## | | NP_001887 | NP_001091990 | NP_001350 | NP_055623 | NP_066953 |
| ## | A0.A12D.01TCGA | 0.48656348 | 0.1322522 | -1.79550563 | -0.5154134 | -0.2677766 |
| ## | C8.A131.01TCGA | 0.16907078 | -0.5919308 | 0.51718854 | -0.8712346 | 0.4645661 |
| ## | A0.A12B.01TCGA | -1.64924422 | 0.1272705 | 1.60723758 | 0.2048718 | 0.6095070 |
| ## | BH.A18Q.02TCGA | 0.53991499 | -0.6610771 | -0.04218146 | -1.7282539 | -0.1425429 |
| ## | C8.A130.02TCGA | -0.01191886 | -0.6580530 | -0.35630509 | -0.6580530 | 0.9458029 |
| ## | C8.A138.03TCGA | -0.12405928 | -1.3236009 | -0.69823013 | -0.4861161 | -0.8189157 |
| ## | | XP_003960097 | NP_001116540 | NP_001137504 | XP_003960579 | XP_001129774 |
| ## | A0.A12D.01TCGA | -0.06585726 | 0.2351168 | -0.06585726 | -2.06219150 | 0.6427652 |
| ## | C8.A131.01TCGA | 0.57790675 | 0.7398220 | 0.57790675 | -2.18679592 | 0.5090928 |
| ## | A0.A12B.01TCGA | 1.09451492 | 0.1300420 | 1.09451492 | -4.02716881 | -2.8271206 |
| ## | BH.A18Q.02TCGA | 0.11505149 | -3.7756276 | 0.15854145 | -9.31892536 | -7.1812264 |
| ## | C8.A130.02TCGA | 1.25083066 | 1.6280156 | 1.34594685 | 1.70017269 | 1.7756097 |
| ## | C8.A138.03TCGA | -2.61457105 | -0.6982301 | -2.61457105 | -0.03628794 | 0.8999397 |
| ## | | XP_001718975 | XP_003960166 | NP_036277 | NP_064715 | NP_689481 |
| ## | A0.A12D.01TCGA | -0.08871605 | 2.0866787 | -1.4564336 | 0.36084014 | -0.7249523 |
| ## | C8.A131.01TCGA | 0.46456609 | -3.0732818 | -0.8955219 | -1.48246464 | -0.6971757 |
| ## | A0.A12B.01TCGA | 1.68483885 | -4.1324848 | 2.0174157 | -0.05564674 | 0.9476268 |

```

## BH.A18Q.02TCGA 0.52318807 -5.9701981 -0.1492337 -1.03910525 -0.8250008
## C8.A130.02TCGA 0.99172102 3.1367553 -1.0975555 -1.22219047 0.6866932
## C8.A138.03TCGA -3.87262693 -0.4495447 -1.3857723 0.92553966 -1.0164012
## NP_078954 NP_055203 NP_003869 NP_000254 NP_055985
## AO.A12D.01TCGA -0.9154422 1.40091503 -1.66978229 -0.6639956 1.05041360
## C8.A131.01TCGA -0.7457503 -0.24381308 0.29455509 0.8531627 0.00715554
## AO.A12B.01TCGA 0.9254550 -0.83443090 1.84558434 1.2220027 -2.53334439
## BH.A18Q.02TCGA -0.8015831 0.07156152 0.07156152 -1.0223783 -2.67834236
## C8.A130.02TCGA 0.4308634 0.53253937 5.36378622 0.4243037 1.61161623
## C8.A138.03TCGA -0.4239447 -0.84451570 -5.48908244 -1.6637149 2.07388136
## NP_001155313 NP_778236 NP_008937 NP_001244259 NP_001244258
## AO.A12D.01TCGA -1.0945028 -0.83543649 -0.4849351 -0.9725892 -1.2164163
## C8.A131.01TCGA -0.8955219 -0.26810036 -0.5069253 0.7722050 1.0434131
## AO.A12B.01TCGA 2.3416782 -0.82888795 -0.7845444 -0.5655979 -0.3826807
## BH.A18Q.02TCGA -1.9022138 0.08494305 0.6904572 0.6101680 0.9279793
## C8.A130.02TCGA 0.4636621 0.30294855 0.9917210 -0.5793362 -0.4711005
## C8.A138.03TCGA 1.5582247 -0.51537317 0.1502262 -0.4897732 -0.5044018
## NP_001076582 NP_663318 NP_689862 NP_065393 NP_722550
## AO.A12D.01TCGA -0.8316267 -0.05823766 1.20661533 2.3419352 2.3419352
## C8.A131.01TCGA -0.8914740 0.02334706 0.55361947 0.9705512 0.9826948
## AO.A12B.01TCGA 0.3240452 -2.17305278 -0.03070348 -2.2478826 -2.2506541
## BH.A18Q.02TCGA 0.3458828 -1.58440250 1.27589899 -1.9691214 -1.8152338
## C8.A130.02TCGA 2.8284476 0.33574724 -0.88436398 -0.6974115 -0.9762003
## C8.A138.03TCGA 0.6402828 -2.05502876 -0.07285933 0.3915973 0.3257688
## NP_997403 NP_001924 NP_068598 NP_066012 NP_004782
## AO.A12D.01TCGA 2.3419352 0.0255779 1.3018603 -0.1992002 0.5894280
## C8.A131.01TCGA 1.1041313 -0.4664465 -0.2842919 -0.6324096 -0.9440965
## AO.A12B.01TCGA -2.2506541 1.1748877 -0.1859060 0.1244991 -3.2372988
## BH.A18Q.02TCGA -1.8152338 -0.4837719 -0.9989607 -0.3198482 -2.8589930
## C8.A130.02TCGA -0.9762003 0.2078324 -1.5009793 -0.1070351 1.3000287
## C8.A138.03TCGA 0.3550259 1.4155963 1.9495386 -0.1057736 2.5163952
## NP_001258685 NP_443108 NP_653254 NP_001013009 NP_613258
## AO.A12D.01TCGA 0.3570303 0.30750296 0.36845973 -0.3630215 -0.05823766
## C8.A131.01TCGA -1.2436397 0.09216104 0.53338006 1.1365143 0.11644833
## AO.A12B.01TCGA -3.2622420 0.45430445 -0.42425277 -0.1942204 -0.13047654
## BH.A18Q.02TCGA -2.8589930 -0.53729797 -2.77201306 -0.8852177 0.52318807
## C8.A130.02TCGA 1.3000287 1.47058187 1.82152784 1.2081924 -0.49405958
## C8.A138.03TCGA 2.5456523 -0.58485882 -0.04360222 -0.1789164 0.91822538
## NP_613075 NP_061119 NP_620707 NP_620634 NP_620448
## AO.A12D.01TCGA -0.06585726 0.4637047 -0.149672818 -0.3401627 0.3341715
## C8.A131.01TCGA 0.05573011 0.7155347 -0.782181241 -0.5150211 -0.4583508
## AO.A12B.01TCGA -0.13047654 -1.6076721 2.034044560 0.1355850 0.2353580
## BH.A18Q.02TCGA 0.64696720 1.3294251 -0.155924442 -0.1994144 0.2053768
## C8.A130.02TCGA -0.44158168 0.1684739 0.001200618 0.4177440 0.4144641
## C8.A138.03TCGA 0.95845391 0.4245116 2.073881356 0.1355976 2.1653098
## NP_001265477 NP_008920 NP_005919 NP_001108086 NP_000058
## AO.A12D.01TCGA -0.37826071 0.39131852 -1.0602146 -0.9954480 -0.1801512
## C8.A131.01TCGA -0.46644653 0.61433768 -1.2355439 -0.9643359 2.7880497
## AO.A12B.01TCGA -0.01961758 0.07184106 -2.9435225 -2.8132632 -1.3914971
## BH.A18Q.02TCGA 0.41948124 3.46043335 6.2337549 6.2103372 -3.5514870
## C8.A130.02TCGA 0.26359013 -0.72037053 0.1061564 0.1487947 -5.0399578
## C8.A138.03TCGA 0.57079716 -0.03994508 -1.5978864 -1.4808579 -6.0193676
## NP_689522 NP_002655 NP_005850 NP_001128119 NP_079517
## AO.A12D.01TCGA -0.5801800 0.1703502 -0.5116036 0.6008574 -0.57256041

```

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## C8.A131.01TCGA 1.5413024 1.0798440 -1.8913006 2.2496816 -0.29643553
## A0.A12B.01TCGA -1.7323884 -2.0566509 1.7513542 -1.6326154 2.17261825
## BH.A18Q.02TCGA 0.8744532 2.1122445 -0.0722899 -1.5074587 -0.01207302
## C8.A130.02TCGA -1.2517093 -0.6744524 -0.8318861 1.0015606 0.40462449
## C8.A138.03TCGA -1.2394867 -0.4568589 0.7426827 1.5984533 -0.51903031
## NP_037511 NP_001132929 NP_000159 NP_005261 NP_005260
## A0.A12D.01TCGA -2.8165315 2.890546 0.2274972 NA 1.7666557
## C8.A131.01TCGA -0.2397652 1.395579 0.8329233 NA 0.5293322
## A0.A12B.01TCGA 3.9990195 -2.971237 -0.1942204 NA -0.5212544
## BH.A18Q.02TCGA -2.1497720 -1.373643 -4.1335835 -6.5456038 -7.4722746
## C8.A130.02TCGA -2.5734964 -1.720731 1.8969648 2.6447749 2.6447749
## C8.A138.03TCGA -4.8600545 3.964622 0.4793687 -0.2410877 -2.8010852
## NP_001123484 NP_004776 NP_001239002 NP_071354 NP_001272
## A0.A12D.01TCGA 1.1989957 1.1989957 0.8446845 1.32090927 -1.1668889
## C8.A131.01TCGA 1.4482012 1.4482012 0.8531627 0.18121442 0.3107466
## A0.A12B.01TCGA -0.2607358 -0.2607358 -0.3466515 0.06629811 0.5263628
## BH.A18Q.02TCGA -1.3602619 -1.3234627 -1.5509487 -3.63177620 -0.5239164
## C8.A130.02TCGA -0.6121349 -0.5465375 -0.4251823 -0.84828542 1.7854493
## C8.A138.03TCGA 3.0942232 2.8455377 3.2002802 1.50336765 -1.3345723
## NP_009141 NP_004473 NP_001229811 NP_001245383 NP_056195
## A0.A12D.01TCGA 3.2562867 4.0639640 -0.4315979 0.28083438 0.5018027
## C8.A131.01TCGA -0.5676436 0.1690708 -0.8995698 0.13668773 0.4321830
## A0.A12B.01TCGA -3.8969095 -1.2113513 2.9430880 -0.12216212 -0.5905412
## BH.A18Q.02TCGA -3.1266235 0.1183969 1.0617946 -0.63765943 -0.1157799
## C8.A130.02TCGA -2.4521413 -1.3632248 -0.2841480 -0.06111689 -0.5366979
## C8.A138.03TCGA 3.2880516 2.3006240 0.9584539 -0.02531652 -0.9213156
## NP_079152 NP_005650 NP_003644 NP_071896 NP_001189431
## A0.A12D.01TCGA -0.2944451 -0.05823766 0.04462689 -1.36499843 -0.42016849
## C8.A131.01TCGA -0.1426161 -1.01291045 -0.21547791 1.19318465 -0.07380208
## A0.A12B.01TCGA 0.9587127 -0.21084928 1.42709178 -2.15088099 0.26861570
## BH.A18Q.02TCGA -0.2094506 0.87110779 -0.71794859 -0.01207302 -0.02879993
## C8.A130.02TCGA -0.8220465 0.31606803 0.45710239 0.62109583 1.08355734
## C8.A138.03TCGA 0.7207399 -0.66165874 -0.87377281 -2.27079997 0.09171193
## NP_003565 NP_919415 NP_004729 NP_005948 NP_055892
## A0.A12D.01TCGA 2.9896009 3.0696066 1.9152378 1.2142349 -0.24110797
## C8.A131.01TCGA 1.5089194 1.5413024 0.5576673 0.2540763 -0.34096222
## A0.A12B.01TCGA -1.7129881 -1.9541063 -1.4912702 -0.8482883 3.10383348
## BH.A18Q.02TCGA -1.6278925 -1.6580009 -1.3000450 -1.1762659 -0.01876379
## C8.A130.02TCGA -0.3202265 -0.2907077 -2.7965275 -1.4616209 -0.41534273
## C8.A138.03TCGA 1.3314821 1.3570821 3.9499937 -1.1773154 -0.19354493
## NP_001542 NP_001227 NP_001748 NP_056089 NP_219482
## A0.A12D.01TCGA 0.6046672 3.6144078 -0.6106584 -0.4658861 -0.1611022
## C8.A131.01TCGA 0.3269381 -0.6445533 -0.5878830 1.2579507 -1.5715180
## A0.A12B.01TCGA 0.3961035 -1.1032639 -3.2262129 1.2303171 0.1743856
## BH.A18Q.02TCGA -0.9688522 0.2823206 0.2053768 -0.1693060 -0.2763582
## C8.A130.02TCGA -0.3497454 -0.1135948 1.2049125 -0.5662167 0.2012726
## C8.A138.03TCGA 0.3879402 -0.1057736 -1.8100004 0.8048541 0.8597112
## NP_443070 NP_002679 NP_004565 NP_001009939 NP_015556
## A0.A12D.01TCGA -0.1763414 0.1398718 0.25797559 -0.16110221 -0.9344912
## C8.A131.01TCGA -0.4259677 0.3026508 -0.13047241 0.08811316 0.4929013
## A0.A12B.01TCGA -2.6608322 1.4381777 0.08569843 1.24971745 -1.0145767
## BH.A18Q.02TCGA 3.0522968 -0.4837719 0.54326037 0.16188683 -0.7547478
## C8.A130.02TCGA -0.7564491 0.9818814 0.09959668 0.89660482 0.3783855
## C8.A138.03TCGA -0.6214302 -1.1992582 -0.05091650 -1.08222974 0.5634829

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_060599 | NP_001474 | NP_001189398 | NP_006741 | NP_006460 |
| ## | AO.A12D.01TCGA | -0.9192520 | -0.5763702 | -0.25253737 | 0.94754905 | 0.3836989 |
| ## | C8.A131.01TCGA | -0.4866859 | -0.4097762 | -0.59193084 | 0.10430468 | 0.2702678 |
| ## | AO.A12B.01TCGA | 3.0539469 | 1.8649847 | 1.11391523 | 0.32127371 | -0.7346578 |
| ## | BH.A18Q.02TCGA | -0.3533020 | -0.6142418 | 0.03476232 | 2.05537297 | 0.8677624 |
| ## | C8.A130.02TCGA | 1.5230598 | 0.5915770 | 0.82116784 | -0.01191886 | 0.1914330 |
| ## | C8.A138.03TCGA | -1.6746863 | -1.0493155 | -0.57388740 | 1.85079587 | 1.4119392 |
| ## | | NP_851853 | NP_001137416 | NP_001410 | NP_004423 | NP_001138247 |
| ## | AO.A12D.01TCGA | 2.36479397 | 2.47908792 | 0.07129548 | 0.5665692 | 0.5665692 |
| ## | C8.A131.01TCGA | -0.13047241 | -0.41787196 | -0.54740415 | 1.0312694 | 1.0312694 |
| ## | AO.A12B.01TCGA | -1.44138368 | -1.21135135 | -0.26350728 | -1.0062623 | -1.0062623 |
| ## | BH.A18Q.02TCGA | 0.01803541 | 0.01803541 | 0.54326037 | 2.8348469 | 2.8348469 |
| ## | C8.A130.02TCGA | -0.42846220 | -1.14347362 | 1.36562607 | 2.0347193 | 2.0347193 |
| ## | C8.A138.03TCGA | 1.95685290 | 1.91662437 | -1.85388611 | -1.9124003 | -1.9124003 |
| ## | | NP_068771 | NP_115657 | NP_003123 | NP_001012339 | NP_919259 |
| ## | AO.A12D.01TCGA | 0.5665692 | 0.6351456 | 0.09034447 | 0.3151226 | 0.3151226 |
| ## | C8.A131.01TCGA | 1.0312694 | 4.3910106 | 0.56981099 | 0.5131407 | 0.5131407 |
| ## | AO.A12B.01TCGA | -1.0062623 | -0.4325672 | 0.56516341 | 1.0529428 | 1.0529428 |
| ## | BH.A18Q.02TCGA | 2.8348469 | -5.7326760 | -0.87852692 | -0.6276233 | -0.6276233 |
| ## | C8.A130.02TCGA | 2.0347193 | -0.1890318 | 0.47022187 | 0.3915050 | 0.3915050 |
| ## | C8.A138.03TCGA | -1.9124003 | NA | -1.93434317 | -0.4093161 | -0.4093161 |
| ## | | NP_002426 | NP_060440 | NP_001338 | NP_006673 | NP_004392 |
| ## | AO.A12D.01TCGA | -1.2811829 | 0.3265520 | 1.0618430 | -1.6354941 | -0.5801800 |
| ## | C8.A131.01TCGA | -2.2637057 | 0.4564703 | 0.7033911 | -3.0408988 | -1.2719748 |
| ## | AO.A12B.01TCGA | 1.3661194 | -1.0062623 | 0.2159577 | -3.1652404 | 1.4991501 |
| ## | BH.A18Q.02TCGA | 0.4596258 | -0.9287077 | -1.2063743 | 1.1588106 | -1.1863021 |
| ## | C8.A130.02TCGA | -0.3694246 | 0.3652661 | 0.3718258 | -0.3366259 | 0.5226998 |
| ## | C8.A138.03TCGA | 0.8523969 | 0.7682827 | 0.4354830 | -0.2154878 | -1.4954865 |
| ## | | NP_998731 | NP_077285 | NP_001032622 | NP_001185832 | NP_808227 |
| ## | AO.A12D.01TCGA | -0.3439725 | -0.2144394 | -0.6258976 | -1.0106872 | 0.12463265 |
| ## | C8.A131.01TCGA | -0.7214630 | 0.7357741 | -0.4016804 | -0.3652495 | -0.53121262 |
| ## | AO.A12B.01TCGA | 1.4575780 | -0.8094876 | -0.1665057 | -0.2912220 | 0.08292695 |
| ## | BH.A18Q.02TCGA | -0.8183101 | 0.4027543 | 0.4897343 | 0.7975094 | 0.13512378 |
| ## | C8.A130.02TCGA | 0.7490107 | -0.2218305 | -0.7892478 | -0.7990874 | -0.02175846 |
| ## | C8.A138.03TCGA | -1.6820006 | -1.1553725 | -0.2593734 | 0.5781114 | 0.42816873 |
| ## | | NP_001243615 | NP_004584 | NP_037425 | NP_001229825 | NP_001229826 |
| ## | AO.A12D.01TCGA | 0.01795830 | -0.39349990 | -0.2982549 | 0.0293877 | 0.0293877 |
| ## | C8.A131.01TCGA | -0.54335627 | -0.50692534 | 0.3228903 | 0.5779068 | 0.5779068 |
| ## | AO.A12B.01TCGA | 0.11341316 | -0.08613295 | -0.2385640 | 0.7231374 | 0.7231374 |
| ## | BH.A18Q.02TCGA | 0.09163381 | 1.03168612 | -0.3834104 | -0.2261775 | -0.2261775 |
| ## | C8.A130.02TCGA | -0.07423637 | 1.02451970 | 0.8506867 | -0.4907797 | -0.4907797 |
| ## | C8.A138.03TCGA | 0.75731126 | -0.51537317 | -0.6872587 | -0.1972021 | -0.1972021 |
| ## | | NP_005594 | NP_077816 | NP_079113 | NP_958839 | NP_003635 |
| ## | AO.A12D.01TCGA | 0.46751448 | 0.2084482 | -1.16688893 | 0.8637335 | 0.97802744 |
| ## | C8.A131.01TCGA | 0.13668773 | -0.9238571 | -0.86313886 | 0.4726618 | 0.49290125 |
| ## | AO.A12B.01TCGA | 0.03304042 | -1.6852734 | -0.06950411 | -2.2395682 | -1.85433329 |
| ## | BH.A18Q.02TCGA | -3.40094485 | -1.7784346 | 0.18864989 | 0.2388306 | 0.24552138 |
| ## | C8.A130.02TCGA | -1.88472398 | -1.3697846 | 0.93596325 | -0.2054311 | 0.08647721 |
| ## | C8.A138.03TCGA | -0.59583023 | NA | -0.70920155 | -0.4239447 | -0.56291598 |
| ## | | NP_001191379 | NP_004739 | NP_004695 | NP_060720 | NP_001186064 |
| ## | AO.A12D.01TCGA | 1.79713404 | 1.0313646 | 1.3780562 | -0.3325431 | -0.1953904 |
| ## | C8.A131.01TCGA | -0.05761056 | 0.5090928 | 0.2014538 | -0.4381114 | 1.5413024 |
| ## | AO.A12B.01TCGA | 0.21318622 | 0.3351311 | -0.4187098 | 0.6593935 | -0.6847713 |
| ## | BH.A18Q.02TCGA | -5.91667201 | -3.3975995 | -1.5041133 | 0.4094451 | -0.2696674 |

```

## C8.A130.02TCGA 1.95600246 2.7923690 0.2931089 0.9031646 0.2799895
## C8.A138.03TCGA -0.35445905 -0.3544590 -0.9981155 -0.2374306 -0.0326308
## NP_079023 NP_005521 NP_005830 NP_904324 NP_060789
## A0.A12D.01TCGA -0.3325431 -1.34213964 -0.271586359 -0.69447395 -0.3096843
## C8.A131.01TCGA 0.2419326 -1.09791595 -1.207208738 -0.96433588 0.2824114
## A0.A12B.01TCGA 0.2298151 1.26357482 0.224272119 -0.06673264 0.1050987
## BH.A18Q.02TCGA -0.3934466 0.57002342 -0.002036877 0.06487076 -0.1258160
## C8.A130.02TCGA -0.2677486 0.34558685 0.512860161 -0.06439676 0.4866212
## C8.A138.03TCGA -0.7201730 0.08805479 -0.113087865 1.69353888 1.7081674
## NP_001193856 NP_001360 NP_003681 NP_001132989 NP_004259
## A0.A12D.01TCGA 0.8332551 1.8085634 0.2427364 0.08653467 -0.252537368
## C8.A131.01TCGA 1.0879397 1.2255677 -0.3288186 0.07596952 -0.304531291
## A0.A12B.01TCGA -2.4945438 -0.4519675 1.0446284 0.89774027 -0.571140883
## BH.A18Q.02TCGA -2.4274387 -3.0329528 -0.7279847 -0.68784016 0.774091715
## C8.A130.02TCGA -0.3202265 -1.0352379 2.9957209 2.74973073 1.034359311
## C8.A138.03TCGA 0.4720544 0.6914828 -0.4824589 -0.46417323 0.003940589
## NP_076436 NP_001136148 NP_821074 NP_001230405 NP_821075
## A0.A12D.01TCGA 0.6427652 0.6084770 1.4009150 1.4009150 1.4009150
## C8.A131.01TCGA 1.7194092 1.6101164 1.1648495 1.1648495 1.1648495
## A0.A12B.01TCGA -0.2607358 -0.1415624 0.0136401 0.0136401 0.0136401
## BH.A18Q.02TCGA -0.4703903 -0.3131574 -0.8952538 -0.8952538 -0.8952538
## C8.A130.02TCGA -1.6584130 -1.6584130 0.3488667 0.3488667 0.3488667
## C8.A138.03TCGA 1.6971960 1.6825675 -0.6360588 -0.6360588 -0.6360588
## NP_055478 NP_000552 NP_000839 NP_000841 NP_000842
## A0.A12D.01TCGA -0.41254889 4.9440273 -2.046952 5.37453452 5.5421656
## C8.A131.01TCGA 0.08406528 -3.6642725 -3.749278 -3.81404406 -3.9597678
## A0.A12B.01TCGA -0.17204865 2.9015159 -0.296765 2.37770732 2.6714836
## BH.A18Q.02TCGA -1.85203305 1.0417223 1.399678 0.07156152 -0.1224706
## C8.A130.02TCGA 0.37510567 -0.1759123 2.247911 0.79820875 0.7654101
## C8.A138.03TCGA -0.07651647 -5.5658824 -3.953084 -5.24771125 -5.3903397
## NP_666533 NP_054894 NP_001190176 NP_004447 NP_001982
## A0.A12D.01TCGA 5.2411916 -0.47731546 -0.1953904 -0.1953904 -1.02592640
## C8.A131.01TCGA -3.6642725 -2.12202983 -0.6405054 -0.6405054 -0.06165844
## A0.A12B.01TCGA 2.9015159 2.32227784 -0.7152575 -0.7152575 1.27743219
## BH.A18Q.02TCGA 0.8209271 0.73729252 -0.1157799 -0.1525791 0.31242902
## C8.A130.02TCGA -0.1693526 0.07007786 1.4968208 1.5394591 0.92940351
## C8.A138.03TCGA -5.6792537 -0.84451570 0.6622256 0.6622256 0.65856850
## NP_036513 NP_009193 NP_000053 NP_110414 NP_076991
## A0.A12D.01TCGA -0.6030388 -0.9840186 -0.63732698 1.3932954 -0.6944740
## C8.A131.01TCGA -1.3407888 -1.4015070 0.02739495 0.8045881 -0.7012236
## A0.A12B.01TCGA -0.1166192 1.6571241 -2.66637513 -2.0095358 0.5402201
## BH.A18Q.02TCGA 0.5031158 -1.2130651 0.80085477 0.8644170 0.6737303
## C8.A130.02TCGA 0.7818094 0.1619142 1.77232981 1.3164280 1.2737897
## C8.A138.03TCGA -0.0326308 -1.2394867 -0.52268745 -2.1757144 -0.4714875
## NP_055472 NP_001405 NP_056437 NP_003365 NP_005653
## A0.A12D.01TCGA 0.55513984 -0.28682555 0.6961024 0.30750296 -2.98416265
## C8.A131.01TCGA -0.41787196 -0.23166944 1.4279617 -1.90344426 -2.21108321
## A0.A12B.01TCGA -0.81503058 0.48201919 -0.3161653 0.94762680 0.72036594
## BH.A18Q.02TCGA 0.09163381 0.02472618 0.2488668 0.06152538 0.40275433
## C8.A130.02TCGA 0.05695839 -0.49077971 -0.3759843 -1.03851781 -0.98931978
## C8.A138.03TCGA 0.77559695 -0.21914490 0.3367403 0.92188252 -0.02897366
## NP_652759 NP_652760 NP_009096 NP_005264 NP_002065
## A0.A12D.01TCGA 3.02388905 3.68679393 -0.6830446 -0.69066416 -0.23348838
## C8.A131.01TCGA 2.61399086 2.06752693 -0.7133673 0.06382587 0.08811316

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## A0.A12B.01TCGA -0.29676497 -0.08613295 -0.4381101 -0.03624642 0.09124137
## BH.A18Q.02TCGA 0.59678648 1.02164997 0.2321399 0.20203142 0.15519607
## C8.A130.02TCGA 0.07335773 -0.22839020 1.3262676 -0.58589591 -0.19559151
## C8.A138.03TCGA -0.28131627 0.12096904 0.2526261 -0.09845931 -0.61411593
## NP_067642 NP_004274 NP_002860 NP_940892 NP_057614
## A0.A12D.01TCGA 0.74562975 2.6467190 1.30947988 5.1192780 0.7342004
## C8.A131.01TCGA -0.06570632 0.3876563 0.07192163 1.0515088 0.6952953
## A0.A12B.01TCGA -0.58776973 -1.0866350 -1.52729937 -1.3637824 -2.1342521
## BH.A18Q.02TCGA 1.21233674 -3.2872019 -0.97554300 -0.4536634 -0.6878402
## C8.A130.02TCGA -0.22839020 -0.6711725 -1.28122811 -0.8745244 -0.3727044
## C8.A138.03TCGA -0.84451570 2.6297665 2.02999569 0.9218825 0.8304540
## NP_006852 NP_057238 NP_002861 NP_004569 NP_055303
## A0.A12D.01TCGA 0.7875375 1.08851159 0.05224649 3.5610706 1.0123156
## C8.A131.01TCGA 0.3512254 0.30265085 0.61433768 0.3026508 0.3107466
## A0.A12B.01TCGA -1.9651922 0.03858337 -2.28668321 -1.5162135 -1.6187580
## BH.A18Q.02TCGA -0.6443502 -0.78151085 -1.33684424 -0.1057437 -1.2130651
## C8.A130.02TCGA -0.5727764 -0.57933617 -0.44814142 -0.9368419 -1.2451496
## C8.A138.03TCGA 1.0535395 1.59845327 0.99136816 0.4866830 2.1067956
## NP_002857 NP_002858 NP_001071105 NP_942599 NP_112586
## A0.A12D.01TCGA 2.0981081 1.644742118 1.3437681 1.36662685 0.7532493
## C8.A131.01TCGA 0.3593212 0.359321181 0.4078958 0.06787375 0.7357741
## A0.A12B.01TCGA -0.3688233 -0.368823290 -3.3093571 -1.62152948 -1.7046737
## BH.A18Q.02TCGA -3.0362982 -1.671382425 -5.7393668 -0.97554300 -1.3970611
## C8.A130.02TCGA -0.5334180 -0.002079251 -1.6944916 -1.24842942 -0.6842920
## C8.A138.03TCGA 2.0373100 2.037309965 3.3904515 2.07753850 1.6057675
## NP_001258967 NP_612462 NP_741995 NP_004785 NP_941959
## A0.A12D.01TCGA -0.1382434 1.6447421 1.6447421 -0.02775928 1.6447421
## C8.A131.01TCGA 0.7762529 0.3593212 0.3593212 -2.19489168 0.3593212
## A0.A12B.01TCGA -2.7495193 -0.3688233 -1.5272994 -1.44415515 -1.8848195
## BH.A18Q.02TCGA -1.9557399 -1.5141495 -0.6209325 -0.77816547 -1.0759045
## C8.A130.02TCGA -0.5793362 -0.3792642 -0.4317421 -0.42846220 -0.6219745
## C8.A138.03TCGA 1.4411963 1.9934243 1.2144537 -0.25571629 2.0848528
## NP_059986 NP_783865 NP_057406 NP_057215 NP_004152
## A0.A12D.01TCGA 1.6447421 1.6447421 1.2332839 1.7704655 1.6447421
## C8.A131.01TCGA 0.3593212 0.3593212 -0.4300156 0.6264813 0.3795606
## A0.A12B.01TCGA -1.5272994 -1.5272994 -1.5799574 -2.5139441 -1.8848195
## BH.A18Q.02TCGA -0.5406434 -0.6209325 -1.0457960 -1.7583624 -1.5007679
## C8.A130.02TCGA -0.3005473 -0.4317421 0.8244477 -0.2283902 -0.4415817
## C8.A138.03TCGA 1.6021104 1.6021104 1.4302249 1.1449680 2.0555957
## NP_005361 NP_001020471 NP_112243 NP_057661 NP_001182144
## A0.A12D.01TCGA 0.604667219 2.3305058 0.5932378 1.7590361 0.01414850
## C8.A131.01TCGA 0.432183038 0.8207796 0.1002568 0.4969491 -0.01308386
## A0.A12B.01TCGA -2.003992877 -1.7573317 -1.3305247 -1.5993577 1.11668671
## BH.A18Q.02TCGA -1.249864311 0.8209271 -1.3803342 -0.4503180 0.30908364
## C8.A130.02TCGA 0.007760356 -0.2611889 -0.5760563 -0.1660727 -1.58297604
## C8.A138.03TCGA 0.775596953 0.3367403 3.2039374 1.7483960 0.26359747
## NP_079174 NP_037460 NP_008838 NP_722546 NP_067045
## A0.A12D.01TCGA 0.65800439 3.9953876 3.29438472 3.41248847 -0.17634141
## C8.A131.01TCGA 0.06382587 -0.1871427 -0.01308386 -0.06570632 -1.01695833
## A0.A12B.01TCGA -0.39376656 1.0473999 -0.51848288 -0.41039540 1.46589242
## BH.A18Q.02TCGA -0.10574371 -1.5275310 -1.83865152 -1.83865152 -0.99226991
## C8.A130.02TCGA -0.39566352 0.1783135 1.08355734 1.01140023 0.01104023
## C8.A138.03TCGA -0.66897302 -1.4589151 -2.61091391 -2.74988520 -0.54828743
## NP_001032208 NP_114152 NP_001137472 XP_003846541 NP_004611

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## A0.A12D.01TCGA -0.17634141 -0.8049581 -0.9344912 -0.9344912 1.0808920
## C8.A131.01TCGA -0.20738215 0.4038479 -0.3612016 -0.3612016 0.3836085
## A0.A12B.01TCGA -0.73742932 -0.6293418 -0.8427453 -0.8427453 0.2658442
## BH.A18Q.02TCGA -1.12273980 -1.4740049 -1.2130651 -1.2130651 0.2020314
## C8.A130.02TCGA -0.03487794 -0.2382298 0.9359632 0.9359632 0.5587783
## C8.A138.03TCGA 0.08439765 0.1648547 -3.3203989 -3.3203989 0.4427973
## NP_060282 NP_060668 NP_003609 NP_001257354 NP_004570
## A0.A12D.01TCGA -1.23546530 1.15708795 -0.12681403 -0.12681403 -0.4163587
## C8.A131.01TCGA -1.08172443 0.76006139 0.08001740 0.08001740 1.0555567
## A0.A12B.01TCGA 0.08015548 -0.70417163 0.50419098 0.50419098 -0.2219352
## BH.A18Q.02TCGA -1.19968358 -1.10935827 -0.72129398 -0.72129398 -0.1425429
## C8.A130.02TCGA 0.61125623 -0.53341801 0.54565885 0.54565885 0.4800615
## C8.A138.03TCGA 0.10268335 0.04782626 0.06611196 0.06611196 -1.1553725
## NP_006036 NP_940933 NP_001186125 NP_079105 NP_001012768
## A0.A12D.01TCGA 0.7418200 2.2924078 0.052246485 -0.78971891 -0.042998469
## C8.A131.01TCGA -0.1588076 0.8976893 0.403847871 5.13986856 0.849114773
## A0.A12B.01TCGA -1.5051276 -0.4020810 -0.008531686 -0.33279413 0.820139003
## BH.A18Q.02TCGA 0.7105295 -1.0190330 0.158541453 -1.94570374 0.151850689
## C8.A130.02TCGA -1.7830480 -1.1664327 1.431223444 -2.49149972 -0.438301810
## C8.A138.03TCGA 2.7833664 2.1982241 -2.234228581 -0.01434511 0.007597728
## NP_001171590 NP_001171587 NP_005750 NP_002782 NP_620581
## A0.A12D.01TCGA -0.054427864 -0.031569075 -2.016473919 -0.12681403 0.54752025
## C8.A131.01TCGA 0.885545702 0.367416943 0.003107659 -0.40572832 0.35527330
## A0.A12B.01TCGA 0.700965626 0.659393518 0.077384004 1.17765913 0.09678432
## BH.A18Q.02TCGA 0.165232216 0.165232216 -0.403482700 -0.26632204 0.34253745
## C8.A130.02TCGA -0.438301810 -0.418622597 -0.763008828 1.09011708 -0.22839020
## C8.A138.03TCGA 0.007597728 0.007597728 -1.009086960 -0.09114503 -0.76771577
## NP_001306 NP_149082 NP_060895 NP_065733 NP_689853
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## C8.A131.01TCGA 0.2905072 0.3390818 1.24985499 -0.4826381 -0.5028775
## A0.A12B.01TCGA 0.2686157 0.4543045 -0.28845055 1.2635748 -0.1831345
## BH.A18Q.02TCGA 0.4997704 -0.4636996 -0.09236219 -1.2632458 0.9547423
## C8.A130.02TCGA -0.2021513 0.4800615 -0.59573552 2.2839893 2.4217438
## C8.A138.03TCGA -0.8737728 0.1611976 1.92028151 0.2599403 -0.4495447
## NP_001139669 NP_005504 NP_000192 NP_036344 NP_065194
## A0.A12D.01TCGA 2.10191790 -0.698283754 0.589428 0.5627594 0.7570591
## C8.A131.01TCGA 0.77625292 -0.009035984 1.755840 -0.9562401 0.4119436
## A0.A12B.01TCGA -0.09999032 -0.446424559 -1.796132 1.1056008 0.7037371
## BH.A18Q.02TCGA -0.58413332 -0.309812008 1.369570 -0.1927236 0.4863889
## C8.A130.02TCGA 0.44070305 0.906444425 -2.419343 -1.4813001 -0.2152707
## C8.A138.03TCGA 0.56714002 -0.625087348 -1.001773 -1.7844005 0.9913682
## NP_003304 NP_002731 NP_001166110 NP_001020767 NP_006552
## A0.A12D.01TCGA 2.3647940 -0.3173039 -0.187770800 -0.393499900 -0.747811130
## C8.A131.01TCGA 1.9298990 -0.3490580 -0.328818577 -0.227621554 -0.061658436
## A0.A12B.01TCGA 0.1161846 1.2829751 0.969798592 0.950398275 -2.741204928
## BH.A18Q.02TCGA -1.7483262 -0.8149647 0.004653887 0.004653887 2.085481404
## C8.A130.02TCGA -2.2684686 -0.1660727 1.145874852 1.086837213 0.001200618
## C8.A138.03TCGA 3.1710231 0.4062259 -0.274001988 -0.197202065 -0.588515956
## NP_001020247 NP_699204 NP_031401 NP_001177344 NP_003081
## A0.A12D.01TCGA -0.507793845 -0.8659149 0.547520246 -0.900203056 -0.42778808
## C8.A131.01TCGA 0.035490707 -1.2760227 -0.672888456 -0.004988103 0.16097501
## A0.A12B.01TCGA -2.209081944 0.6427647 0.426589712 -0.155419802 0.30187339
## BH.A18Q.02TCGA 1.861340820 -0.5607156 0.094979197 -0.149233679 -0.02545455
## C8.A130.02TCGA 0.001200618 -0.7662887 0.788369146 0.886765212 0.78508928

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## C8.A138.03TCGA -0.588515956 0.4537687 0.003940589 0.033197702 -0.18988779
## NP_001012426 NP_612466 NP_001231737 NP_001231739 NP_001231744
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## C8.A131.01TCGA 0.82077961 0.95031180 -0.6364575 -0.7052715 -0.6364575
## A0.A12B.01TCGA -0.13879096 -0.05010379 0.9393124 1.7070106 1.3051469
## BH.A18Q.02TCGA 1.62716409 1.45654961 -0.3499566 -0.4168642 -0.4168642
## C8.A130.02TCGA -0.08407597 -0.03487794 -0.1627928 -0.2185506 -0.2185506
## C8.A138.03TCGA 0.31845456 0.31845456 0.7097684 0.7061113 0.6512542
## NP_008816 NP_078997 NP_055979 NP_115521 NP_001093165
## A0.A12D.01TCGA 0.4294165 -2.63747102 0.19701882 -0.43159788 1.2409035
## C8.A131.01TCGA 1.6303558 -2.25560990 1.18104101 0.48885337 -0.7821812
## A0.A12B.01TCGA 0.8284534 -3.18741222 -1.17532219 0.68987973 0.6538506
## BH.A18Q.02TCGA -3.7756276 -5.63231455 -0.37002888 -0.18268750 -4.2272542
## C8.A130.02TCGA 1.2737897 0.41118423 -0.06111689 -0.02503833 1.2147521
## C8.A138.03TCGA 0.6585685 -0.06554506 0.15022616 -1.09685830 2.6224522
## NP_031399 NP_077024 NP_005996 NP_003633 NP_004663
## A0.A12D.01TCGA -0.6601858 -1.02592640 2.9210245 -1.00687741 1.2332839
## C8.A131.01TCGA -0.5231169 -1.87510909 0.8936415 0.26217204 1.5817812
## A0.A12B.01TCGA 0.6261358 1.45757799 -1.1004924 0.08569843 1.4076915
## BH.A18Q.02TCGA 0.3525736 -1.18630206 -4.0432582 -0.43693652 0.9079070
## C8.A130.02TCGA -0.4940596 -0.03815781 -0.5366979 3.15971434 -1.1008353
## C8.A138.03TCGA -0.1313736 -0.88474423 0.1538833 -1.28337240 -0.6287445
## NP_036370 NP_001001484 NP_060295 NP_689485 NP_003174
## A0.A12D.01TCGA -1.01830680 -1.52500996 -0.1077650 0.30750296 0.6808632
## C8.A131.01TCGA 0.60219404 -0.39763255 -0.3935847 -0.07784996 0.9300724
## A0.A12B.01TCGA -0.71802900 2.01741572 -0.1443339 0.32958813 -0.5461976
## BH.A18Q.02TCGA -1.23982817 -0.23286823 -0.2830490 -1.16288438 -0.7447116
## C8.A130.02TCGA -0.06767663 -2.33734588 0.4243037 -0.33006614 -0.6219745
## C8.A138.03TCGA 0.41719731 0.02222628 -1.7588005 -1.14074397 0.8267969
## NP_079172 NP_001032209 NP_060708 NP_149974 NP_079348
## A0.A12D.01TCGA 2.8753069 -0.6944740 -0.12300423 -2.378405 0.02176810
## C8.A131.01TCGA 0.7276783 -0.5231169 -0.30048341 -7.987409 -0.61621812
## A0.A12B.01TCGA -1.4801843 1.0917434 -0.60717004 -4.284916 1.09451492
## BH.A18Q.02TCGA -2.1196636 -1.7617077 -0.67111325 -3.691993 -0.31650277
## C8.A130.02TCGA -3.2622689 -1.2549892 0.08647721 -5.226910 -0.86796463
## C8.A138.03TCGA 4.7947929 0.9840539 0.89628255 2.563938 0.06245481
## NP_852136 NP_071413 NP_060648 NP_060275 NP_061072
## A0.A12D.01TCGA -0.2182492 0.08272487 1.17232714 0.24273639 -1.0716440
## C8.A131.01TCGA 0.5374279 0.14883137 -0.58383507 1.18508889 -0.2397652
## A0.A12B.01TCGA -0.4159383 1.39383410 2.34722111 -0.67368542 0.9005117
## BH.A18Q.02TCGA 1.6773448 -0.13919753 -0.07563528 -0.00872764 -2.1430813
## C8.A130.02TCGA 0.4833413 -0.24478955 -0.66789263 -0.03815781 -0.6186946
## C8.A138.03TCGA -0.4312590 -0.38371616 0.01856914 -1.18462964 1.3534249
## NP_065789 NP_001258766 NP_005443 NP_001505 NP_055899
## A0.A12D.01TCGA 1.33995826 -1.1630791 0.6618142 -0.1992002 0.9361197
## C8.A131.01TCGA 1.12437068 -0.1142809 1.4279617 -0.2761961 -0.5433563
## A0.A12B.01TCGA -1.90421982 -1.0284341 -1.0228911 0.5485346 2.4996522
## BH.A18Q.02TCGA -0.52726183 0.8075455 -0.7212940 0.4796981 0.0581800
## C8.A130.02TCGA -0.08407597 1.4607423 1.0999567 -0.1201545 0.6866932
## C8.A138.03TCGA 1.29491071 -1.0858869 -0.0509165 -0.9505727 -0.2703448
## NP_001248363 NP_001129514 NP_055824 NP_115901 NP_569119
## A0.A12D.01TCGA -0.9535402 -0.8963933 -0.3668313 -0.66780537 0.0179583
## C8.A131.01TCGA -0.1992864 -0.1749991 0.3836085 1.16889737 1.2984296
## A0.A12B.01TCGA 1.2358601 1.2497175 -0.6653710 0.17715706 -1.0810921

```

| | | | | | | |
|----|----------------|--------------|-------------|--------------|--------------|-------------|
| ## | BH.A18Q.02TCGA | -1.4204788 | -1.2264466 | -0.5707518 | -0.15592444 | 1.6104372 |
| ## | C8.A130.02TCGA | 0.9884411 | 1.0015606 | 0.3259076 | -0.03159807 | -0.6088550 |
| ## | C8.A138.03TCGA | -0.9322870 | -0.9542299 | 0.3696545 | 0.89262541 | -0.4751446 |
| ## | | NP_002827 | NP_004394 | NP_055282 | NP_002757 | NP_002758 |
| ## | A0.A12D.01TCGA | 0.6275260 | 2.25430982 | -0.01252008 | -1.3192809 | -0.94211084 |
| ## | C8.A131.01TCGA | 0.7195826 | 1.39557870 | -0.68503210 | -0.5878830 | -0.74170243 |
| ## | A0.A12B.01TCGA | -1.0977209 | -1.79058939 | -2.29776911 | -0.7180290 | 0.05521221 |
| ## | BH.A18Q.02TCGA | 0.9647785 | 0.43286276 | -0.80158314 | 0.4696620 | -0.77816547 |
| ## | C8.A130.02TCGA | -0.3694246 | -0.06111689 | -0.01519873 | 0.1028766 | 0.70309256 |
| ## | C8.A138.03TCGA | 0.4245116 | -0.79697289 | 1.00233958 | -0.7969729 | -1.13708683 |
| ## | | NP_001230871 | NP_005044 | NP_001257291 | NP_002865 | NP_005724 |
| ## | A0.A12D.01TCGA | -0.8240071 | 0.53990065 | 0.47513408 | 0.448465494 | 0.47513408 |
| ## | C8.A131.01TCGA | -0.7497982 | -0.08594572 | -0.08594572 | -0.434063481 | 0.13668773 |
| ## | A0.A12B.01TCGA | 0.0773840 | 0.23258654 | 0.21318622 | -0.598855622 | -0.07227559 |
| ## | BH.A18Q.02TCGA | -0.9320530 | -0.11912524 | -0.11912524 | -1.192992819 | 0.33919207 |
| ## | C8.A130.02TCGA | 0.5948569 | 1.03107944 | 1.03107944 | 0.007760356 | 0.46694200 |
| ## | C8.A138.03TCGA | -1.1809725 | -1.48451505 | -1.48085791 | 0.208740382 | 1.92393865 |
| ## | | NP_060672 | NP_003110 | NP_037367 | NP_000622 | NP_060268 |
| ## | A0.A12D.01TCGA | 1.78570465 | 1.1418488 | 1.4694914 | 0.4256067 | 0.13987184 |
| ## | C8.A131.01TCGA | 0.17716654 | 0.3431297 | 0.8045881 | 3.6259611 | 0.07596952 |
| ## | A0.A12B.01TCGA | -1.72684549 | -1.0367485 | -0.9369754 | -1.7850464 | -0.69308573 |
| ## | BH.A18Q.02TCGA | -2.49434636 | -0.3265389 | 0.2923567 | 2.4768911 | -0.48711725 |
| ## | C8.A130.02TCGA | 0.64077505 | -0.5596570 | 1.0540385 | -1.0975555 | 2.10687643 |
| ## | C8.A138.03TCGA | 0.01125487 | 0.3440545 | -0.1277164 | -1.5503436 | -0.13137356 |
| ## | | NP_001166599 | NP_689971 | NP_006600 | NP_002392 | NP_054879 |
| ## | A0.A12D.01TCGA | 0.6313358 | 1.7704655 | -0.01252008 | -0.18015120 | 0.99326663 |
| ## | C8.A131.01TCGA | 0.3107466 | 1.3550999 | 0.89364146 | 0.81268385 | -0.88337826 |
| ## | A0.A12B.01TCGA | -0.3882236 | -0.4353387 | -1.01180523 | -0.66259952 | -0.76791553 |
| ## | BH.A18Q.02TCGA | -0.5372980 | -1.1929928 | -0.42355499 | 0.37599127 | -0.06225375 |
| ## | C8.A130.02TCGA | 0.3357472 | 2.7103723 | -0.01847860 | -0.04143768 | 3.08427735 |
| ## | C8.A138.03TCGA | -0.5190303 | 1.0498824 | 0.10999762 | 0.12096904 | -1.29434381 |
| ## | | NP_006442 | NP_877590 | NP_899152 | NP_006181 | NP_004413 |
| ## | A0.A12D.01TCGA | 0.17416003 | 0.17416003 | 0.18177962 | -0.500174249 | -0.14205322 |
| ## | C8.A131.01TCGA | 1.65464308 | 1.63845155 | 1.65464308 | 0.003107659 | 0.61028980 |
| ## | A0.A12B.01TCGA | 0.03581190 | 0.04689779 | 0.17715706 | 0.143899377 | 0.91436911 |
| ## | BH.A18Q.02TCGA | -0.09236219 | -0.07563528 | 0.03476232 | -0.748057032 | -1.73494468 |
| ## | C8.A130.02TCGA | 1.09339695 | 1.10323656 | 1.12947551 | 0.706372424 | -0.04143768 |
| ## | C8.A138.03TCGA | -0.68725871 | -0.78600147 | -0.99811554 | 0.120969042 | 0.41719731 |
| ## | | NP_004412 | NP_004414 | NP_004083 | NP_060762 | NP_005710 |
| ## | A0.A12D.01TCGA | 0.12082285 | 0.92469026 | -2.264111 | -0.1496728 | 0.7799179 |
| ## | C8.A131.01TCGA | 0.30265085 | 1.20532829 | -1.652476 | 0.1609750 | 1.9501384 |
| ## | A0.A12B.01TCGA | 1.44372063 | -0.58222678 | 1.141630 | 1.0307710 | -1.3332962 |
| ## | BH.A18Q.02TCGA | -2.15646279 | -2.06948287 | 0.285666 | -0.4703903 | 1.4766219 |
| ## | C8.A130.02TCGA | 0.03727918 | 0.03727918 | 1.014680 | 3.6057765 | 0.2931089 |
| ## | C8.A138.03TCGA | -0.50805889 | 1.19251082 | 2.472510 | -0.5336589 | 0.3257688 |
| ## | | NP_060382 | NP_055421 | NP_114431 | NP_003724 | NP_006312 |
| ## | A0.A12D.01TCGA | 0.3684597 | -1.6278745 | -0.24872757 | -0.91163245 | 1.46949140 |
| ## | C8.A131.01TCGA | 0.5940983 | -0.0697542 | -1.58366166 | -1.60794895 | 0.23788475 |
| ## | A0.A12B.01TCGA | -1.4192119 | -2.4058566 | 1.24971745 | -0.01407463 | -0.60717004 |
| ## | BH.A18Q.02TCGA | 0.1284330 | 0.3090836 | 0.46966197 | 0.76405557 | -0.09236219 |
| ## | C8.A130.02TCGA | -1.2910677 | -1.1631528 | 0.01759996 | -0.64821342 | 0.10287655 |
| ## | C8.A138.03TCGA | 0.3623402 | 0.6987970 | 0.49034010 | -0.78965861 | 0.60371141 |
| ## | | NP_001015055 | NP_149035 | NP_001846 | NP_150093 | NP_872407 |
| ## | A0.A12D.01TCGA | 0.57799863 | 0.5779986 | -1.997424928 | -0.09633564 | -0.7859091 |

```

## C8.A131.01TCGA 1.10413127 1.1041313 0.610289799 0.67100801 1.0393652
## A0.A12B.01TCGA -0.81225911 -0.9813190 -1.967963716 1.77906896 -2.8770071
## BH.A18Q.02TCGA -0.30312124 -0.4436273 0.001308505 -1.25990046 2.0051922
## C8.A130.02TCGA 0.03071944 0.2668700 -0.910602927 0.87036587 -0.9565211
## C8.A138.03TCGA 0.39525448 0.3952545 -1.338229485 -1.02005838 4.5241646
## NP_001180363 NP_001029097 NP_003243 NP_071505 NP_002943
## A0.A12D.01TCGA -0.3477823 -1.01830680 -0.83162669 -0.4277881 0.6199064
## C8.A131.01TCGA 1.2822380 0.03144283 -0.06165844 1.0231737 1.0596046
## A0.A12B.01TCGA -2.8770071 0.28524455 0.32127371 -0.7623726 -0.5323402
## BH.A18Q.02TCGA 1.3628789 0.23213985 0.24552138 0.5934411 0.3124290
## C8.A130.02TCGA -0.8581250 2.08719722 2.08719722 1.4115442 1.0081204
## C8.A138.03TCGA 4.3157077 -0.07285933 -0.03628794 -1.2065725 -0.4641732
## NP_758515 NP_006864 NP_006087 NP_002783 NP_003757
## A0.A12D.01TCGA -0.7630503 -0.7630503 2.044770925 -0.05823766 -0.1268140
## C8.A131.01TCGA 1.6951219 1.6951219 1.383435056 -0.35310586 0.7074389
## A0.A12B.01TCGA -1.1032639 -1.1032639 -0.000217265 0.82845342 -1.2695523
## BH.A18Q.02TCGA 0.2722844 0.4696620 1.623818708 0.09832458 0.3325013
## C8.A130.02TCGA 0.6637341 0.6374952 -1.041797681 1.31642803 -0.1496734
## C8.A138.03TCGA 0.4281687 0.2672546 -0.979829847 -0.13868784 0.9767396
## NP_060026 NP_001019386 NP_001009552 NP_002711 NP_002706
## A0.A12D.01TCGA 2.0866787 2.6810072 -0.1039552 0.01033871 -0.20300999
## C8.A131.01TCGA 2.6220866 2.8568637 -0.8145643 -0.08999360 -0.90766555
## A0.A12B.01TCGA -1.0616918 -0.8566027 1.4243203 0.02195453 1.44649210
## BH.A18Q.02TCGA 0.5198427 0.6670395 -0.2429044 -0.43693652 -0.24290437
## C8.A130.02TCGA 1.5853773 1.5853773 0.2012726 0.01104023 0.20127262
## C8.A138.03TCGA 1.1376537 1.1376537 0.0514834 -0.10943073 0.07342623
## NP_114108 NP_078817 NP_057562 NP_006088 NP_001138417
## A0.A12D.01TCGA 1.03898421 0.8675433 -0.53827223 1.8009438 1.5914049
## C8.A131.01TCGA -0.19523851 -0.4866859 -0.07380208 1.3712914 0.7641093
## A0.A12B.01TCGA 1.14717292 1.0363140 -0.23579254 -1.2085799 -0.5323402
## BH.A18Q.02TCGA -0.08901681 -0.2228321 0.24886676 1.3361159 1.0517584
## C8.A130.02TCGA 1.06059826 -0.3300661 0.61125623 -0.3858239 -0.2972674
## C8.A138.03TCGA -0.28863055 1.2034822 0.24165463 0.8121683 0.5415400
## NP_006462 XP_373042 NP_003468 NP_071414 NP_079498
## A0.A12D.01TCGA 1.5914049 1.7857047 0.06367588 -6.4015516 -0.3249235
## C8.A131.01TCGA 0.7641093 1.7517922 -0.26810036 -5.0405520 -0.1628555
## A0.A12B.01TCGA -0.5323402 -0.5434261 3.63041351 -0.8178021 -0.5683694
## BH.A18Q.02TCGA 1.0484130 0.7874732 0.03810771 -5.3814109 0.3358467
## C8.A130.02TCGA -0.2907077 -0.4809401 -1.15331322 1.0704379 0.6538945
## C8.A138.03TCGA 0.5415400 -0.1057736 -0.70554441 1.7227960 0.9145682
## NP_000843 NP_065997 NP_061820 NP_001005741 NP_001243692
## A0.A12D.01TCGA -2.2679206 0.5132321 0.81801592 0.5246615 1.8961888
## C8.A131.01TCGA -2.2070353 0.7074389 -0.44215924 1.8691808 0.1326398
## A0.A12B.01TCGA -2.7827770 0.1189561 -1.05337734 0.9365409 -1.3610109
## BH.A18Q.02TCGA 0.9647785 -0.3332297 1.18891907 -0.2429044 0.6503126
## C8.A130.02TCGA -0.7564491 1.5689779 -0.07751624 0.5981368 1.7624902
## C8.A138.03TCGA 2.6736522 -0.5153732 0.24531177 0.6805113 0.7353684
## NP_110424 NP_006800 NP_059118 NP_057572 NP_958923
## A0.A12D.01TCGA 1.0008862 0.2541658 3.2524769 0.1589208 0.1741600
## C8.A131.01TCGA 1.0515088 -0.6040745 0.5333801 -1.5917574 -1.0614850
## A0.A12B.01TCGA -2.1231663 0.0995558 -3.4229875 -1.4386122 -1.5217564
## BH.A18Q.02TCGA 1.0484130 0.7841279 -9.5229937 -1.3435350 -2.3304227
## C8.A130.02TCGA 0.8506867 -0.9040432 -8.0607171 0.5882971 0.5882971
## C8.A138.03TCGA 0.1685119 3.4050800 2.5858808 1.9787957 1.5326248

```

| | NP_001137259 | NP_694453 | NP_000503 | NP_005300 | NP_597700 |
|----|----------------|--------------|-------------|--------------|--------------|
| ## | | | | | |
| ## | AO.A12D.01TCGA | 0.4179871 | -0.5268428 | -0.33254313 | -2.1726756 |
| ## | C8.A131.01TCGA | -0.2883398 | -0.6728885 | 3.69072719 | -1.3084058 |
| ## | AO.A12B.01TCGA | -0.7984017 | 0.3961035 | 1.43817768 | 3.1786633 |
| ## | BH.A18Q.02TCGA | -2.4843102 | 0.0213808 | -0.87852692 | 3.8116984 |
| ## | C8.A130.02TCGA | 0.7162120 | 1.6936130 | 0.03727918 | -0.6121349 |
| ## | C8.A138.03TCGA | 2.2823383 | -0.4166304 | -1.64908631 | -3.0899991 |
| ## | | NP_057094 | NP_005785 | NP_878912 | NP_073742 |
| ## | AO.A12D.01TCGA | -0.3858803 | -7.475915 | -7.475915 | 0.60847702 |
| ## | C8.A131.01TCGA | -0.3207228 | -6.424927 | -6.254916 | -0.25595672 |
| ## | AO.A12B.01TCGA | -3.4534737 | -3.386958 | -3.306586 | 1.00859923 |
| ## | BH.A18Q.02TCGA | -0.4636996 | -3.093170 | -3.534760 | 0.54660575 |
| ## | C8.A130.02TCGA | 0.9359632 | 5.124356 | 4.894765 | 0.02087983 |
| ## | C8.A138.03TCGA | 3.0137661 | -7.123824 | -7.313995 | -0.91765848 |
| ## | | NP_054742 | NP_115517 | NP_006454 | NP_115867 |
| ## | AO.A12D.01TCGA | -0.7325719 | -0.8773443 | -0.80495810 | -0.45445667 |
| ## | C8.A131.01TCGA | 0.1650229 | -0.9805274 | 0.45647032 | -1.09386807 |
| ## | AO.A12B.01TCGA | 0.7924243 | -0.3909951 | -0.41870982 | 2.07561667 |
| ## | BH.A18Q.02TCGA | 0.2890113 | -2.1598082 | -0.08232604 | -0.04887222 |
| ## | C8.A130.02TCGA | 0.3193479 | 0.9064444 | 0.32262777 | -0.01519873 |
| ## | C8.A138.03TCGA | 0.7463398 | 0.4354830 | -0.16428781 | -0.90302992 |
| ## | | NP_620693 | NP_001884 | NP_001885 | NP_055563 |
| ## | AO.A12D.01TCGA | 1.2066153 | 1.1875663 | 1.2332839 | -0.62970739 |
| ## | C8.A131.01TCGA | -0.7174151 | -0.7376546 | -1.1100596 | 0.28241144 |
| ## | AO.A12B.01TCGA | -0.6127130 | -0.6210274 | -0.6542851 | 0.49310508 |
| ## | BH.A18Q.02TCGA | -1.0257237 | -1.0257237 | -1.4539326 | 0.06152538 |
| ## | C8.A130.02TCGA | 0.2340713 | 0.1192759 | -0.1135948 | 0.35542646 |
| ## | C8.A138.03TCGA | 1.0059967 | 0.9950253 | 1.1486251 | -0.44223039 |
| ## | | NP_005643 | NP_001202 | NP_057373 | NP_112187 |
| ## | AO.A12D.01TCGA | -0.26777656 | -0.4696959 | 1.5304482 | 0.6122868 |
| ## | C8.A131.01TCGA | -0.43406348 | 2.1889634 | 1.4401054 | 0.7924444 |
| ## | AO.A12B.01TCGA | -0.42702424 | -1.1725507 | -0.5240258 | -1.5162135 |
| ## | BH.A18Q.02TCGA | 1.67065405 | -1.6847640 | -0.2964305 | -1.2231013 |
| ## | C8.A130.02TCGA | 0.09959668 | 0.1028766 | -0.7433296 | -1.4976995 |
| ## | C8.A138.03TCGA | 1.14496801 | -0.2191449 | -0.1789164 | 2.8747948 |
| ## | | NP_004716 | NP_647473 | NP_001166171 | NP_001139478 |
| ## | AO.A12D.01TCGA | -0.49255465 | 1.48092080 | 0.9856470 | 0.4408459 |
| ## | C8.A131.01TCGA | 0.36336906 | 0.36336906 | -0.5271647 | 0.3188424 |
| ## | AO.A12B.01TCGA | 0.30464486 | -1.35546799 | -1.4386122 | -1.8238471 |
| ## | BH.A18Q.02TCGA | 0.03476232 | -1.07924984 | -1.4673141 | -0.4168642 |
| ## | C8.A130.02TCGA | 1.36562607 | -0.01519873 | -2.0191986 | 0.5882971 |
| ## | C8.A138.03TCGA | -0.39468758 | 0.81216834 | -0.4166304 | -1.2504581 |
| ## | | NP_064576 | NP_000121 | NP_003760 | NP_006523 |
| ## | AO.A12D.01TCGA | -0.2106296 | -1.3688082 | -1.4221454 | 1.9152378 |
| ## | C8.A131.01TCGA | -1.4298422 | 2.8487680 | -1.3448367 | 0.8410190 |
| ## | AO.A12B.01TCGA | 2.3167349 | -0.4713678 | 0.4071894 | -0.1277051 |
| ## | BH.A18Q.02TCGA | 0.7205656 | -0.2495951 | 1.0952484 | 0.5332242 |
| ## | C8.A130.02TCGA | 0.7982088 | -1.4321021 | 0.8310074 | 1.9199239 |
| ## | C8.A138.03TCGA | -0.3032591 | -1.6637149 | -1.7149148 | -1.2760581 |
| ## | | NP_006200 | NP_001804 | NP_004897 | NP_001229510 |
| ## | AO.A12D.01TCGA | -1.544058946 | 0.9323099 | -0.52303304 | 2.5286153 |
| ## | C8.A131.01TCGA | -0.000940222 | 1.6586910 | -0.28024401 | 0.5495716 |
| ## | AO.A12B.01TCGA | -0.851059744 | 0.1494423 | -0.43811014 | -0.9203466 |
| ## | BH.A18Q.02TCGA | 0.787473242 | -0.3298843 | 0.03476232 | -0.7012217 |

```

## C8.A130.02TCGA -0.631814073 0.7686899 0.49318095 0.9195639 0.22095183
## C8.A138.03TCGA -0.284973405 1.6350247 -0.31788766 0.3623402 -0.53000173
## NP_004993 NP_056386 NP_065705 NP_079467 NP_003817
## A0.A12D.01TCGA -0.30968434 0.3189324 -0.43540768 1.4123444 -0.2601570
## C8.A131.01TCGA -0.04951479 0.2945551 -0.98862317 0.1690708 -0.3854889
## A0.A12B.01TCGA -1.55778558 -0.2745932 -0.68754279 0.9171406 0.3157308
## BH.A18Q.02TCGA 1.35953354 0.1786137 0.65365797 0.4261720 -0.7346755
## C8.A130.02TCGA -0.48749984 2.5332594 -0.02175846 -0.6383738 -0.2841480
## C8.A138.03TCGA -0.47514464 1.1522823 0.89993968 0.3403974 -0.8774300
## NP_064583 NP_000062 NP_002031 NP_060829 NP_612357
## A0.A12D.01TCGA 1.2828113 -5.456722 -0.1001454 -1.0754538 -1.06783418
## C8.A131.01TCGA -0.7255109 -5.757027 -0.6283618 -0.4826381 -0.13452029
## A0.A12B.01TCGA -1.3720968 -2.724576 0.3129593 1.6654385 0.01641158
## BH.A18Q.02TCGA 0.2221037 4.280052 0.7272564 -0.5807879 0.11839687
## C8.A130.02TCGA -0.4612609 -2.261909 -0.5006193 -0.3431856 0.33574724
## C8.A138.03TCGA 0.4537687 -5.770682 -0.1825735 -0.9505727 -0.47148750
## NP_001254523 NP_055712 NP_660149 NP_000384 NP_115580
## A0.A12D.01TCGA 0.5170419 -0.2449178 -0.5535114 0.6808632 1.4694914
## C8.A131.01TCGA 1.5493982 -3.3161547 -1.7496248 1.2903338 0.4159915
## A0.A12B.01TCGA -0.4575105 -1.3499250 -1.5106705 -3.5698756 -0.4547390
## BH.A18Q.02TCGA -0.3399204 -1.7550170 -0.9320530 -2.5311456 1.0651399
## C8.A130.02TCGA 0.6374952 2.1101563 1.6148961 2.0707979 -0.2710285
## C8.A138.03TCGA 0.2233689 2.1104527 1.9093101 1.9312529 0.1758261
## NP_115717 NP_001734 NP_006283 NP_002077 NP_987102
## A0.A12D.01TCGA -0.5687506 -0.5382722 0.10177386 -0.8011483 -0.7820993
## C8.A131.01TCGA 0.3066987 1.6020206 -0.12642453 -0.1871427 -0.1871427
## A0.A12B.01TCGA 1.2608033 -1.7601032 1.15825882 -0.7152575 -0.6404277
## BH.A18Q.02TCGA -1.7215632 0.3960636 -1.16288438 0.1518507 0.1518507
## C8.A130.02TCGA -0.5498174 1.0114002 0.01432009 -0.4350219 -0.5432576
## C8.A138.03TCGA -0.2045163 -0.3325162 0.04051198 -1.8831432 -2.3037142
## NP_000910 NP_004453 NP_058651 NP_060353 NP_001159898
## A0.A12D.01TCGA 0.3570303 2.482897714 -1.0716440 0.3341715 0.28845397
## C8.A131.01TCGA -0.4259677 -0.009035984 -1.0331499 -0.1749991 -0.17499910
## A0.A12B.01TCGA 1.3716623 0.432132660 -0.4658249 0.1549853 -0.06118969
## BH.A18Q.02TCGA 2.4166742 -0.349956590 -0.4971534 -1.0457960 -1.04579602
## C8.A130.02TCGA -0.1103149 -1.304187191 -0.9302821 -0.2841480 -0.28414797
## C8.A138.03TCGA -1.3199438 -0.672630157 -0.9505727 -0.1460021 -0.14600212
## NP_004648 NP_077015 NP_001002009 NP_001002010 NP_002297
## A0.A12D.01TCGA -3.1060762 0.2846442 -0.32111374 -0.32873333 -0.3973097
## C8.A131.01TCGA -0.8712346 -0.7740855 -1.68485869 -1.70914597 -0.5352605
## A0.A12B.01TCGA -1.7074452 -0.1665057 -0.16373422 -0.13879096 -1.5356138
## BH.A18Q.02TCGA -0.2930851 -0.2529405 0.91459775 0.91459775 0.3994089
## C8.A130.02TCGA -1.5436176 1.2639501 -0.09391558 -0.09391558 -0.6449335
## C8.A138.03TCGA -2.4317141 0.9291968 -1.28337240 -1.28337240 4.0377651
## NP_002490 NP_001975 NP_005255 NP_665736 NP_056364
## A0.A12D.01TCGA 1.1342292 -0.46207627 -6.439650 -6.893016 0.71134157
## C8.A131.01TCGA 1.1810410 0.02334706 -6.032283 -8.359814 1.31057320
## A0.A12B.01TCGA 0.0358119 2.31396342 -5.554251 -5.792598 -0.01684611
## BH.A18Q.02TCGA -0.3700289 0.72391099 -5.802929 -5.789547 -0.57744256
## C8.A130.02TCGA -0.2283902 -0.22183047 3.628736 3.609056 0.02743957
## C8.A138.03TCGA 0.2489689 -0.54097315 -3.609313 -3.536170 1.70451030
## NP_076994 NP_067653 NP_076970 NP_078958 NP_001161694
## A0.A12D.01TCGA 0.3760793 -1.8526526 -0.95735003 -0.35159212 -0.32873333
## C8.A131.01TCGA 1.9420426 -1.7253375 0.96650332 -0.25595672 -0.4138241

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## A0.A12B.01TCGA -0.4381101 1.4021485 -0.53788320 1.52686484 1.6377238
## BH.A18Q.02TCGA 0.1652322 -0.6844948 -0.04887222 -0.63765943 -0.6376594
## C8.A130.02TCGA 0.4013446 -0.7531692 1.15243459 0.14551485 0.2996687
## C8.A138.03TCGA 1.2290822 -0.4422304 -0.59948737 -0.05823078 -0.5373160
## NP_689657 NP_066949 NP_002600 NP_036369 NP_003305
## A0.A12D.01TCGA 0.0255779 0.5246615 0.1779698 -0.4887449 1.7361773
## C8.A131.01TCGA -0.8914740 0.9057851 0.8248275 -0.4826381 -0.2964355
## A0.A12B.01TCGA 2.9985175 1.7291824 -1.5661000 1.0612572 0.6954227
## BH.A18Q.02TCGA -1.3636073 -1.5208402 -0.9922699 0.9681239 -0.8484185
## C8.A130.02TCGA 1.3393871 0.7096523 0.5161400 0.1684739 -0.2021513
## C8.A138.03TCGA -0.6653159 -0.6945730 1.5618819 -0.2959448 1.4485106
## NP_002558 NP_062555 NP_057086 NP_705690 NP_689659
## A0.A12D.01TCGA -1.094502763 0.0255779 -4.1042433 -0.93449124 2.39908215
## C8.A131.01TCGA -1.867013330 1.9865693 -2.2879929 0.93412027 -0.01713175
## A0.A12B.01TCGA 0.792424264 -3.2012696 0.9697986 3.11491937 -0.47968225
## BH.A18Q.02TCGA 0.901216226 1.6974171 -0.8082739 -0.19941441 0.58340495
## C8.A130.02TCGA -0.008638989 1.7001727 -1.1237944 -0.09063571 -0.32022653
## C8.A138.03TCGA -1.356515181 -0.7933157 2.9918233 0.71708273 0.84508260
## NP_036587 NP_031375 NP_001687 NP_542384 NP_005307
## A0.A12D.01TCGA 0.97040784 -1.1021224 0.5170419 0.894211879 -0.3363529
## C8.A131.01TCGA 1.37129141 -0.6000266 0.4564703 0.298602967 0.4362309
## A0.A12B.01TCGA -0.24410697 0.1605282 0.1244991 -0.002988738 -0.4159383
## BH.A18Q.02TCGA 0.73729252 -1.0391053 0.9681239 0.479698111 0.2923567
## C8.A130.02TCGA -0.24806942 0.2471908 -0.2743084 -0.162792825 0.1717538
## C8.A138.03TCGA 0.07342623 0.8085112 -0.8445157 -0.617773069 1.0864538
## NP_000381 NP_001812 NP_002955 NP_112178 NP_060518
## A0.A12D.01TCGA -0.5230330 1.67903030 -1.231655 3.75537030 -1.4259552
## C8.A131.01TCGA 0.3026508 0.29455509 8.297216 0.32693813 -1.2274481
## A0.A12B.01TCGA -0.2108493 -1.47186989 -2.530573 -1.61321506 -0.9536043
## BH.A18Q.02TCGA -1.0792498 0.71387484 -7.013957 0.05148923 0.6837664
## C8.A130.02TCGA -0.5366979 -1.23203008 -8.529738 -1.85192529 0.7850893
## C8.A138.03TCGA 0.2818832 0.01856914 -7.544395 0.68416847 -0.1825735
## NP_065987 NP_001163931 NP_002586 NP_002587 NP_001976
## A0.A12D.01TCGA -1.8717016 0.2998834 -0.66780537 -0.7478111 1.774275
## C8.A131.01TCGA -0.8145643 0.8936415 -0.13856817 0.4969491 1.743696
## A0.A12B.01TCGA -1.1198927 -0.1526483 0.77579542 0.8700255 -2.846521
## BH.A18Q.02TCGA 1.4632404 -0.8116193 -1.37364344 1.1989552 0.610168
## C8.A130.02TCGA 0.3849453 1.0048405 3.28434935 -1.1369139 1.070438
## C8.A138.03TCGA -1.1846296 0.1209690 -0.02165938 -0.7604015 -1.166344
## NP_001560 NP_005090 NP_079131 NP_075047 NP_004123
## A0.A12D.01TCGA -0.40873909 -0.26396676 -0.6373270 -0.87353447 0.1779698
## C8.A131.01TCGA -1.12220324 0.12049621 0.1690708 0.02334706 2.1282451
## A0.A12B.01TCGA 0.03304042 -2.63866039 0.1854715 -0.60717004 -1.9457919
## BH.A18Q.02TCGA 0.74063790 0.02807156 0.2722844 -0.57409718 -1.1227398
## C8.A130.02TCGA 0.48990108 -0.24150968 0.3587063 -1.45178129 1.1130762
## C8.A138.03TCGA -0.80428717 -2.54142827 0.2160547 1.83982445 -0.5263446
## NP_002347 NP_075385 NP_620124 NP_001028740 NP_002877
## A0.A12D.01TCGA 0.9894568 0.1932090 0.71896116 1.3475779 0.7761081
## C8.A131.01TCGA 1.8206062 0.1933581 -0.02117963 -0.6121702 1.7315528
## A0.A12B.01TCGA -2.1564239 -3.4174446 -0.62379889 -0.9536043 -1.4441552
## BH.A18Q.02TCGA -1.9925391 -0.8149647 -0.28973972 -0.7313301 0.3860274
## C8.A130.02TCGA -0.3267863 1.0245197 -0.76300883 0.8506867 -1.6092150
## C8.A138.03TCGA 1.1961680 -1.1517154 1.60942468 0.2453118 0.6073686
## NP_001258115 NP_066361 NP_006408 NP_001120690 NP_057071

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| | | | | | | |
|----|----------------|--------------|--------------|--------------|-------------|--------------|
| ## | A0.A12D.01TCGA | 1.2028055 | 1.2028055 | -2.2145834 | -0.6563760 | -4.0547159 |
| ## | C8.A131.01TCGA | 0.5819546 | 1.6222600 | -1.3448367 | 0.4119436 | -3.6278415 |
| ## | A0.A12B.01TCGA | -1.4552410 | -1.2501520 | -0.6127130 | 0.0247260 | -0.4103954 |
| ## | BH.A18Q.02TCGA | -0.7480570 | -0.3432658 | 3.6645016 | 0.8343086 | -2.8656838 |
| ## | C8.A130.02TCGA | -1.7043312 | -1.6551332 | 1.0212398 | 0.5161400 | -1.6780922 |
| ## | C8.A138.03TCGA | 1.8910244 | 0.6914828 | -0.4714875 | -0.7421158 | -2.8193708 |
| ## | | NP_653176 | NP_061004 | NP_075066 | NP_001788 | NP_006589 |
| ## | A0.A12D.01TCGA | 5.1611858 | -0.5611310 | -0.5116036 | 1.6904597 | 0.006528907 |
| ## | C8.A131.01TCGA | -0.8388516 | 1.4927278 | -2.2515620 | 0.8653063 | 0.695295298 |
| ## | A0.A12B.01TCGA | -0.2912220 | -1.1725507 | 2.0451305 | -1.9347060 | -1.075549128 |
| ## | BH.A18Q.02TCGA | -4.6922622 | -0.5674064 | -0.4402819 | -1.2231013 | -0.580787939 |
| ## | C8.A130.02TCGA | -0.4481414 | -0.1791922 | -0.6678926 | 0.5390991 | -0.854845156 |
| ## | C8.A138.03TCGA | -0.1935449 | 0.5159401 | -1.1663439 | 1.7483960 | 1.686224605 |
| ## | | NP_057366 | NP_056648 | NP_001103 | NP_598368 | NP_009133 |
| ## | A0.A12D.01TCGA | -1.3154711 | 0.9856470 | 0.9856470 | 1.0885116 | -0.5230330 |
| ## | C8.A131.01TCGA | -0.4947817 | -0.4664465 | -0.4664465 | 1.9541863 | 0.3917042 |
| ## | A0.A12B.01TCGA | 2.2031045 | -0.6321133 | -0.6321133 | 0.2713872 | 1.9370430 |
| ## | BH.A18Q.02TCGA | 0.6469672 | 1.4866581 | 1.5970557 | 0.2120676 | -0.3198482 |
| ## | C8.A130.02TCGA | -1.7043312 | -0.2579090 | -0.2644688 | -0.1923116 | 0.1127162 |
| ## | C8.A138.03TCGA | -0.1094307 | 0.5269115 | 0.2343404 | 0.3038260 | 0.1246262 |
| ## | | NP_057038 | NP_071739 | NP_064587 | NP_005836 | NP_009119 |
| ## | A0.A12D.01TCGA | -0.62589759 | -1.1783183 | -1.4183356 | 5.7021772 | 0.7913473 |
| ## | C8.A131.01TCGA | -0.74979819 | -0.7133673 | -2.4822912 | 0.5981462 | 0.7600614 |
| ## | A0.A12B.01TCGA | 1.14162997 | 2.4608515 | 1.7291824 | -0.4852252 | -0.7014002 |
| ## | BH.A18Q.02TCGA | 1.40636889 | -0.8350370 | -0.0354907 | 0.2589029 | -0.7948924 |
| ## | C8.A130.02TCGA | -0.17591230 | 0.1159960 | -0.3858239 | -1.5796962 | -0.3891038 |
| ## | C8.A138.03TCGA | -0.09845931 | 0.7426827 | -0.7311444 | -0.5738874 | 1.4777677 |
| ## | | NP_775829 | XP_003960280 | NP_073741 | NP_056005 | NP_006636 |
| ## | A0.A12D.01TCGA | 1.2028055 | 0.90564127 | 0.05986608 | -1.7116901 | -2.561275 |
| ## | C8.A131.01TCGA | 0.9948385 | 0.91792875 | -0.22357367 | -0.1749991 | -2.364903 |
| ## | A0.A12B.01TCGA | -0.2995364 | -0.09999032 | -0.01130316 | -0.3133938 | 2.208647 |
| ## | BH.A18Q.02TCGA | 1.4565496 | -0.98223376 | -0.71460321 | 1.0852122 | -3.973005 |
| ## | C8.A130.02TCGA | -0.5990154 | 0.78180941 | 1.75593046 | 1.7854493 | -1.917523 |
| ## | C8.A138.03TCGA | -0.7348015 | 0.50131152 | -0.35080191 | -0.9834870 | -1.532058 |
| ## | | NP_945327 | NP_006766 | NP_001190991 | NP_036203 | NP_995319 |
| ## | A0.A12D.01TCGA | -0.28682555 | 0.5437104 | -0.1687218 | -0.28301575 | 1.0923214 |
| ## | C8.A131.01TCGA | 0.06382587 | 1.9582341 | -0.5271647 | 0.83697113 | 0.5293322 |
| ## | A0.A12B.01TCGA | 0.08569843 | -0.6653710 | -0.3577374 | 0.09124137 | 1.4215488 |
| ## | BH.A18Q.02TCGA | 0.05818000 | 1.1019391 | 0.4730073 | 0.39271818 | -0.7547478 |
| ## | C8.A130.02TCGA | 0.20455249 | -0.1791922 | 0.4243037 | 0.17831354 | -1.5796962 |
| ## | C8.A138.03TCGA | -0.32885908 | -1.1773154 | 0.4171973 | -0.35080191 | 1.6752532 |
| ## | | NP_006120 | NP_036597 | NP_036596 | NP_060232 | NP_073620 |
| ## | A0.A12D.01TCGA | -0.2906354 | -1.1097420 | 0.09034447 | -0.3973097 | -0.3973097 |
| ## | C8.A131.01TCGA | 1.0798440 | -0.2802440 | 0.44027880 | -0.6607448 | 0.5738589 |
| ## | A0.A12B.01TCGA | -0.1942204 | -1.8903624 | -1.67695896 | 1.4714354 | 0.6954227 |
| ## | BH.A18Q.02TCGA | -1.5174949 | -3.8425353 | -2.24344272 | -0.4971534 | -1.0089968 |
| ## | C8.A130.02TCGA | 0.2406310 | -2.2520693 | 0.99172102 | -0.6941316 | -0.5038992 |
| ## | C8.A138.03TCGA | 0.6695399 | -0.4532018 | 2.46519525 | -0.4714875 | -0.4312590 |
| ## | | NP_001008661 | NP_004050 | NP_036269 | NP_055577 | NP_000775 |
| ## | A0.A12D.01TCGA | -0.6297074 | -0.8963933 | -0.9878284 | 2.060010 | -1.1783183 |
| ## | C8.A131.01TCGA | -0.4785902 | -0.4421592 | 2.2253943 | 3.698823 | 1.1527058 |
| ## | A0.A12B.01TCGA | 0.1411279 | 2.3666214 | 2.4553086 | -1.668645 | -0.7374293 |
| ## | BH.A18Q.02TCGA | 1.0484130 | 0.3927182 | -1.5442579 | -5.485118 | 0.4529351 |
| ## | C8.A130.02TCGA | 1.1032366 | -2.1011953 | -2.0847960 | 1.513220 | -1.2943476 |

```

## C8.A138.03TCGA -0.6836016 -1.4845151 0.3294260 3.587937 0.2745689
## NP_055670 NP_002909 NP_602304 NP_000626 NP_060012
## A0.A12D.01TCGA 0.9780274 -0.6563760 -0.3515921 -1.083073 0.257975586
## C8.A131.01TCGA 0.7236305 0.3066987 2.8285285 4.164329 -0.203334268
## A0.A12B.01TCGA -0.1914490 0.2159577 -2.5472018 -2.743976 -0.357737395
## BH.A18Q.02TCGA -0.4904626 0.5164973 0.5532965 -2.166499 0.459625820
## C8.A130.02TCGA -0.6908517 0.9884411 -1.1697126 1.031079 0.004480487
## C8.A138.03TCGA 0.2233689 -0.2703448 1.7703388 1.521653 -1.652743453
## NP_000704 NP_612409 NP_055199 NP_008830 NP_064530
## A0.A12D.01TCGA 0.4789439 -0.7820993 -0.5077938 -0.50779385 -1.3040417
## C8.A131.01TCGA 0.3917042 -1.9277315 0.4038479 -0.48668593 -0.8590910
## A0.A12B.01TCGA 2.8183717 -2.6054027 3.2534931 1.52963632 0.4543045
## BH.A18Q.02TCGA -1.6212017 -1.6613463 0.9012162 0.09163381 -1.0324145
## C8.A130.02TCGA -0.3989434 1.3164280 -1.7961675 -0.74988935 -1.1533132
## C8.A138.03TCGA -1.9892003 -1.0017727 -1.3748009 0.20142610 0.3257688
## NP_001121181 NP_005333 NP_000117 NP_001121188 NP_006796
## A0.A12D.01TCGA 0.5322811 -1.4069062 2.0409611 2.0638199 -1.0335460
## C8.A131.01TCGA 1.5413024 -1.6524756 1.8003668 1.7639359 -1.6565235
## A0.A12B.01TCGA 1.0834290 -0.3327941 -3.6641057 -3.7749647 0.6095070
## BH.A18Q.02TCGA -1.2665912 0.1418145 1.0183046 1.3327705 0.2756298
## C8.A130.02TCGA -0.9630808 0.1127162 0.4899011 0.4866212 0.5554985
## C8.A138.03TCGA -2.0367431 0.3184546 -0.5775445 -0.6104588 0.3623402
## NP_001139443 NP_057390 NP_001137299 NP_001137298 NP_775102
## A0.A12D.01TCGA 0.2846442 1.33614847 2.1743041 2.1743041 -0.2753962
## C8.A131.01TCGA 0.4605182 0.20550171 1.0717482 1.0717482 -0.3166749
## A0.A12B.01TCGA 1.6432667 0.06906958 -1.6492442 -1.6492442 1.1527159
## BH.A18Q.02TCGA -0.1358522 1.50003958 3.7514816 3.7514816 -2.2066435
## C8.A130.02TCGA 2.3299075 -0.76628870 -0.3530252 -0.3530252 0.8539665
## C8.A138.03TCGA 0.2818832 0.47571154 -0.4093161 -0.4093161 0.3257688
## NP_055785 NP_116759 NP_057132 NP_001166 NP_036253
## A0.A12D.01TCGA 0.1284424 1.2561427 -3.1975114 -0.8163875 -0.770669919
## C8.A131.01TCGA -0.7740855 0.3957521 -3.6237937 0.8410190 -1.988449758
## A0.A12B.01TCGA 0.8118246 -1.4995846 3.6886145 -0.1692772 0.002554209
## BH.A18Q.02TCGA -1.0290691 0.5499511 -0.5774426 1.6940717 -1.821924609
## C8.A130.02TCGA -0.1660727 -1.7338500 -1.6616929 -1.5173787 -0.730210139
## C8.A138.03TCGA 1.5582247 0.4501116 -0.1130879 -0.8006300 0.131940459
## NP_001116857 NP_001116856 NP_001230228 NP_000138 NP_001263181
## A0.A12D.01TCGA 0.60466722 0.60466722 0.7646787 -2.8089119 0.7799179
## C8.A131.01TCGA -1.99249764 -1.99249764 0.4807576 0.1933581 -0.1790470
## A0.A12B.01TCGA -0.24133549 -0.24133549 1.6072376 4.6863451 -0.1332480
## BH.A18Q.02TCGA 0.09163381 0.09163381 0.5098065 0.4997704 -0.3800650
## C8.A130.02TCGA -0.22183047 -0.22183047 -1.3665047 -1.3074671 0.8310074
## C8.A138.03TCGA 0.32942597 0.32942597 -1.1773154 -0.7201730 -0.6214302
## NP_002956 NP_478059 NP_073589 NP_005472 NP_002125
## A0.A12D.01TCGA -1.418336 1.831422 0.65419459 -0.4392175 0.2198776
## C8.A131.01TCGA 8.248641 1.986569 -0.53121262 -0.4826381 0.1204962
## A0.A12B.01TCGA -2.383685 -2.921351 -0.03070348 -0.1138477 -2.3836848
## BH.A18Q.02TCGA -7.442166 1.232409 -1.32011733 -0.2261775 -1.0391053
## C8.A130.02TCGA -10.090956 1.224592 0.55877833 0.6309354 0.7096523
## C8.A138.03TCGA -8.977993 -4.402912 1.42291058 0.4318259 1.4521677
## NP_001035998 NP_060197 NP_055744 NP_631908 NP_001193988
## A0.A12D.01TCGA -1.4792924 2.5171859 -0.69828375 -0.93068144 -0.8240071
## C8.A131.01TCGA -1.1586342 1.1000834 -0.03332327 -0.53930839 0.1650229
## A0.A12B.01TCGA -1.3249818 -2.0705083 0.31850223 -0.05841822 0.5651634

```

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|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | BH.A18Q.02TCGA | 0.7975094 | -0.2027598 | -0.15257906 | -0.78151085 | 0.2722844 |
| ## | C8.A130.02TCGA | 1.1589943 | -1.2287502 | 0.89332495 | 1.61489610 | 0.9753217 |
| ## | C8.A138.03TCGA | -3.0497706 | 1.7081674 | 0.12462618 | -0.24474488 | 0.3733116 |
| ## | | NP_001008530 | NP_000525 | NP_001121616 | NP_569120 | NP_004705 |
| ## | A0.A12D.01TCGA | 1.1456586 | -0.328733332 | -0.32873333 | 0.33798135 | 1.8123732 |
| ## | C8.A131.01TCGA | 3.1766463 | 0.221693229 | 0.22169323 | -0.53526050 | -0.4907338 |
| ## | A0.A12B.01TCGA | -0.9896334 | -1.327753251 | -1.32775325 | 0.17438559 | -0.4353387 |
| ## | BH.A18Q.02TCGA | 1.6405456 | 0.004653887 | -0.04887222 | 0.44958967 | 0.5867503 |
| ## | C8.A130.02TCGA | 1.1786735 | 0.693252949 | 0.76868993 | 0.13567524 | 0.4407030 |
| ## | C8.A138.03TCGA | -0.4714875 | -0.087487890 | -0.40200186 | 0.00028345 | 0.7024542 |
| ## | | NP_060671 | NP_055332 | NP_002195 | NP_006853 | NP_001077433 |
| ## | A0.A12D.01TCGA | -1.2545143 | 0.3189324 | 0.07129548 | 0.3036932 | 0.2960736 |
| ## | C8.A131.01TCGA | -0.1871427 | -0.4583508 | 1.17294525 | 1.2255677 | 1.2903338 |
| ## | A0.A12B.01TCGA | 0.2104148 | 0.3240452 | -0.54619762 | -0.2468784 | -0.4020810 |
| ## | BH.A18Q.02TCGA | -0.6276233 | 0.2455214 | -0.40348270 | -0.6543863 | -0.6543863 |
| ## | C8.A130.02TCGA | -0.4120629 | -0.2546292 | -2.20615113 | -0.2021513 | -0.2021513 |
| ## | C8.A138.03TCGA | -0.2996020 | -0.0326308 | 3.20759450 | 0.1246262 | 0.2123975 |
| ## | | NP_064595 | NP_997006 | NP_078787 | NP_054861 | NP_036530 |
| ## | A0.A12D.01TCGA | 0.7608689 | 1.7933242 | -1.34213964 | -0.51160364 | -0.4620763 |
| ## | C8.A131.01TCGA | 0.1974059 | 0.6791038 | 0.22574111 | 1.20532829 | 1.2255677 |
| ## | A0.A12B.01TCGA | -0.1166192 | -0.2551929 | -0.89263185 | 0.27970160 | -0.4464246 |
| ## | BH.A18Q.02TCGA | -0.7547478 | 0.9447062 | 0.01803541 | 0.60013186 | 0.1117061 |
| ## | C8.A130.02TCGA | 1.1261956 | -0.5891758 | -0.24150968 | 0.02743957 | 0.3291875 |
| ## | C8.A138.03TCGA | 1.0023396 | 0.4245116 | -0.17891637 | -1.83194327 | -0.2045163 |
| ## | | NP_003548 | NP_001129108 | NP_003549 | NP_857593 | NP_001027539 |
| ## | A0.A12D.01TCGA | -0.7897189 | -0.68304456 | -1.0525950 | 1.2790015 | 1.2866211 |
| ## | C8.A131.01TCGA | -0.5433563 | -0.04546691 | -1.0938681 | 2.0310960 | 2.0230002 |
| ## | A0.A12B.01TCGA | -0.4020810 | -0.27459318 | 0.7037371 | -2.4113995 | -2.4169425 |
| ## | BH.A18Q.02TCGA | 0.5265335 | 0.52653346 | -1.0056514 | -0.8015831 | -0.8517639 |
| ## | C8.A130.02TCGA | 0.1061564 | 0.10615642 | -0.9729204 | -2.2094310 | -2.2061511 |
| ## | C8.A138.03TCGA | 0.0514834 | 0.05148340 | -0.8993728 | 0.3586831 | 0.3733116 |
| ## | | NP_055330 | NP_003289 | NP_005780 | NP_001025055 | NP_000116 |
| ## | A0.A12D.01TCGA | 0.49799287 | 0.4979929 | -1.1326007 | -1.4831022 | -3.395621 |
| ## | C8.A131.01TCGA | 0.17311866 | 0.3795606 | -0.4381114 | 1.1324664 | -2.251562 |
| ## | A0.A12B.01TCGA | 0.25198686 | 0.1688426 | -0.7124861 | -2.6525178 | 3.960219 |
| ## | BH.A18Q.02TCGA | 0.08159767 | 1.0751761 | -0.3733743 | 2.6240879 | -5.214142 |
| ## | C8.A130.02TCGA | 0.60141662 | 0.5587783 | 2.0052005 | -0.5694966 | -1.953601 |
| ## | C8.A138.03TCGA | 0.04051198 | 0.8158255 | -1.3345723 | -0.7750301 | -3.693427 |
| ## | | NP_690852 | NP_057537 | NP_775840 | NP_002583 | NP_001035787 |
| ## | A0.A12D.01TCGA | -0.82400709 | 0.71896116 | -1.36118863 | -1.88694078 | 0.292263769 |
| ## | C8.A131.01TCGA | -0.47049441 | -0.47049441 | -0.15475970 | -0.04546691 | -0.004988103 |
| ## | A0.A12B.01TCGA | 0.49587656 | 0.01918305 | 0.21041475 | -0.72911489 | 1.141629972 |
| ## | BH.A18Q.02TCGA | 0.03476232 | -0.37002888 | -1.54760330 | 0.10501534 | -0.651040958 |
| ## | C8.A130.02TCGA | 0.51941990 | -0.47766024 | 0.37838554 | 1.24755079 | -0.674452368 |
| ## | C8.A138.03TCGA | -0.40565900 | 0.08439765 | 0.03685484 | -0.11308786 | 0.537882907 |
| ## | | NP_003307 | NP_004102 | NP_115818 | NP_001026897 | NP_861448 |
| ## | A0.A12D.01TCGA | 0.2503560 | -2.34411656 | -0.4735057 | 0.8523041 | 0.7570591 |
| ## | C8.A131.01TCGA | -0.8955219 | -0.38144103 | 0.2135975 | -1.0776765 | -0.1547597 |
| ## | A0.A12B.01TCGA | -0.9203466 | -0.25519286 | 0.2575298 | 0.3877891 | -1.5051276 |
| ## | BH.A18Q.02TCGA | -1.9523945 | 0.02807156 | -2.1363905 | -2.1129728 | -2.4274387 |
| ## | C8.A130.02TCGA | 0.5161400 | 1.01795997 | -0.4448615 | 0.6932529 | 0.5325394 |
| ## | C8.A138.03TCGA | 1.1595966 | -0.32520194 | 0.7280541 | -1.4991436 | 2.4066810 |
| ## | | NP_006206 | NP_659486 | NP_001729 | NP_078859 | NP_057444 |
| ## | A0.A12D.01TCGA | 0.31512256 | 0.52847126 | -4.363310 | -0.6182780 | -1.7154999 |

```

## C8.A131.01TCGA -0.07380208 -0.30048341 5.143916 -0.9198092 -2.4296688
## A0.A12B.01TCGA -2.07050825 -0.20807781 -1.424755 1.7984693 0.8700255
## BH.A18Q.02TCGA 0.82761783 0.87445317 -5.645696 -0.8952538 -1.0424506
## C8.A130.02TCGA 1.47058187 0.06023826 -5.436822 2.7628502 -0.3628648
## C8.A138.03TCGA -1.34188662 0.15022616 -4.311484 -1.1407440 -0.6762873
## XP_003960482 NP_001280 NP_005538 NP_056651 NP_036534
## A0.A12D.01TCGA 0.48275368 1.5533070 -1.9478976 -0.01252008 -0.5954192
## C8.A131.01TCGA 1.16889737 -0.2721482 2.5573205 -1.13839476 -0.3045313
## A0.A12B.01TCGA -0.08336148 -1.3887257 -3.5005888 1.70423917 1.3772053
## BH.A18Q.02TCGA -1.12608518 1.6104372 -3.2838565 0.84099935 -2.0594467
## C8.A130.02TCGA -0.72037053 -0.1103149 -2.3570251 0.35870632 -1.4222625
## C8.A138.03TCGA -0.09480217 -0.9725156 0.3001689 0.24531177 0.2965117
## NP_065114 NP_060052 NP_775740 NP_000368 NP_006406
## A0.A12D.01TCGA -0.4087391 0.37988913 0.9780274 0.4370361 3.3439121
## C8.A131.01TCGA -2.2313226 0.26217204 0.5900504 1.3834351 1.6182121
## A0.A12B.01TCGA -1.2085799 -0.02793200 1.0862005 -2.0233932 -2.0261647
## BH.A18Q.02TCGA -1.2966997 -0.19606903 -0.5473341 1.6572725 -1.2130651
## C8.A130.02TCGA 6.0951970 0.39150501 0.7654101 -0.4809401 -0.5202985
## C8.A138.03TCGA 0.4062259 -0.08017361 0.4135402 -0.7384587 2.5566237
## NP_001789 NP_001777 NP_001249 NP_036557 NP_733779
## A0.A12D.01TCGA -1.65073329 -1.98980533 -1.47167278 0.94754905 -0.5916094
## C8.A131.01TCGA -0.06570632 0.29860297 0.08811316 1.16889737 -1.3084058
## A0.A12B.01TCGA -1.53284232 -1.90976276 -1.56610000 -2.55828765 0.5984211
## BH.A18Q.02TCGA 1.14542910 0.02472618 1.40971427 1.29262590 -1.1829567
## C8.A130.02TCGA -0.39894338 0.18487328 0.48334134 0.08319734 0.4341433
## C8.A138.03TCGA 0.62199711 1.43753914 0.79388265 0.28919744 0.7536541
## NP_663736 NP_004791 NP_056235 NP_003303 NP_060245
## A0.A12D.01TCGA -0.8468659 5.1688054 0.315122558 -0.3744509 -0.8430561
## C8.A131.01TCGA 0.9017372 0.7155347 0.092161040 -0.3126271 -0.2519088
## A0.A12B.01TCGA -2.3116265 -0.4325672 -0.687542786 2.3832503 0.7508522
## BH.A18Q.02TCGA -1.6245471 -1.5576394 0.004653887 -0.8684908 -0.8183101
## C8.A130.02TCGA -1.3107469 -2.0880759 1.083557344 -1.7305701 0.5194199
## C8.A138.03TCGA -2.0550288 3.3721658 -0.665315879 -0.2154878 -0.5812017
## NP_071324 NP_060228 NP_006218 NP_001961 NP_001137232
## A0.A12D.01TCGA 1.3475779 -0.8811541 -1.6278745 0.1246326 0.26559518
## C8.A131.01TCGA 1.5008236 -0.1709512 -1.8913006 0.7195826 0.89364146
## A0.A12B.01TCGA -1.1780937 1.6986962 -3.4922743 1.7291824 1.77906896
## BH.A18Q.02TCGA -0.8551093 -0.9420892 -1.2331374 -0.5105349 -0.58078794
## C8.A130.02TCGA -0.3464655 0.8211678 -0.5924556 1.0901171 1.06059826
## C8.A138.03TCGA -0.8262300 -0.8920585 3.1710231 -0.1350307 -0.08748789
## NP_065123 NP_055095 NP_036234 NP_001136040 NP_001263215
## A0.A12D.01TCGA 0.4179871 -1.01449700 0.2160678 -0.56494082 NA
## C8.A131.01TCGA 1.0677003 -0.25595672 0.4767097 0.03549071 NA
## A0.A12B.01TCGA 1.6959247 -0.54065467 1.6349523 -0.73465784 NA
## BH.A18Q.02TCGA -0.3967919 -0.04552684 -0.3165028 1.54352954 1.6606179
## C8.A130.02TCGA 1.6640941 1.19835275 1.2409911 0.29966868 0.8211678
## C8.A138.03TCGA 0.0331977 -0.39834472 -0.7274872 1.24736790 1.2254251
## NP_003013 NP_002932 NP_001122401 NP_079107 NP_998776
## A0.A12D.01TCGA -2.0507621 -0.3973097 -4.4090272 0.3646499 2.6543386
## C8.A131.01TCGA -3.5347403 2.4075489 -0.4097762 -0.1992864 -1.2031609
## A0.A12B.01TCGA -1.0478344 0.5429916 0.9088262 -1.0312055 -2.6054027
## BH.A18Q.02TCGA -2.1430813 -1.9858483 -1.5977840 -0.4335911 -0.6543863
## C8.A130.02TCGA 0.2275116 -0.8253263 0.4931809 1.4705819 -1.4353819
## C8.A138.03TCGA -1.9636003 5.0361641 3.2295373 -1.8026862 2.2640526

```

| | | | | | | |
|----|----------------|-------------|--------------|--------------|--------------|--------------|
| ## | | NP_004926 | NP_003150 | NP_036434 | NP_055736 | NP_000447 |
| ## | AO.A12D.01TCGA | -2.0545719 | 0.69610238 | -0.6182780 | 2.1133473 | -0.9573500 |
| ## | C8.A131.01TCGA | -1.3043579 | 1.96632991 | 1.1284186 | -0.2761961 | -1.7779599 |
| ## | AO.A12B.01TCGA | 0.9088262 | -1.10880681 | -0.3909951 | 2.2363622 | 2.6049682 |
| ## | BH.A18Q.02TCGA | -1.2833181 | -0.95881609 | -2.4742741 | 0.1652322 | -0.7748201 |
| ## | C8.A130.02TCGA | -0.4940596 | 0.38166541 | -1.3632248 | -0.3989434 | -0.5694966 |
| ## | C8.A138.03TCGA | -1.6052006 | 0.09536907 | -1.1297726 | -0.9615442 | 0.5378829 |
| ## | | NP_940876 | NP_001129511 | NP_001185808 | NP_004880 | NP_899064 |
| ## | AO.A12D.01TCGA | -1.4373846 | -1.27737308 | 1.0504136 | 1.6295029 | 0.3303618 |
| ## | C8.A131.01TCGA | -3.7897568 | -0.36120162 | -0.2681004 | 0.9624554 | -0.1264245 |
| ## | AO.A12B.01TCGA | -3.3315289 | 1.56843695 | -0.1526483 | -1.6520157 | 1.3938341 |
| ## | BH.A18Q.02TCGA | 1.6974171 | 0.03810771 | -0.5941695 | -0.9487799 | -0.1157799 |
| ## | C8.A130.02TCGA | 0.6735737 | -0.90404319 | -0.1168747 | -1.6059351 | -0.1988714 |
| ## | C8.A138.03TCGA | -0.7238301 | 0.60005427 | -0.5556017 | -0.9615442 | -0.3800590 |
| ## | | NP_863654 | NP_863655 | NP_056273 | NP_003807 | NP_060559 |
| ## | AO.A12D.01TCGA | -1.2164163 | -1.2697535 | 0.79896692 | 2.3876528 | 0.4713243 |
| ## | C8.A131.01TCGA | 0.3390818 | -0.1588076 | 0.76006139 | 0.5698110 | 1.2741423 |
| ## | AO.A12B.01TCGA | 1.9259571 | 1.9065568 | 0.71482300 | -1.3998116 | -0.7014002 |
| ## | BH.A18Q.02TCGA | -1.6379286 | -1.6379286 | -0.99561529 | -0.9220169 | -0.2061052 |
| ## | C8.A130.02TCGA | -0.5399777 | -0.4809401 | 0.04383891 | -1.9536012 | 0.3554265 |
| ## | C8.A138.03TCGA | -0.3800590 | -0.6360588 | -0.14600212 | 1.3351392 | 1.7008532 |
| ## | | NP_036270 | NP_001164675 | NP_002745 | NP_002960 | XP_003846692 |
| ## | AO.A12D.01TCGA | -1.0221166 | -0.1077650 | -0.3401627 | -0.29444515 | -0.29444515 |
| ## | C8.A131.01TCGA | -1.6484278 | 0.7195826 | 0.5374279 | 1.07174822 | 1.07174822 |
| ## | AO.A12B.01TCGA | -0.6210274 | 0.4515330 | 2.1698468 | 3.86876027 | 3.86876027 |
| ## | BH.A18Q.02TCGA | 0.1083607 | 0.4027543 | -1.0491414 | -0.08232604 | -0.08232604 |
| ## | C8.A130.02TCGA | 1.7329714 | -0.1627928 | 0.7588503 | 0.48990108 | 0.48990108 |
| ## | C8.A138.03TCGA | -1.9453146 | -0.4605161 | 0.6256542 | -1.30531523 | -1.30531523 |
| ## | | NP_057030 | NP_064632 | NP_000893 | NP_775949 | NP_001123498 |
| ## | AO.A12D.01TCGA | 0.43322630 | 1.10756058 | 0.5779986 | 1.3551975 | 1.2180447 |
| ## | C8.A131.01TCGA | 0.35527330 | -1.19911298 | 1.7275049 | 0.9098330 | 0.6548165 |
| ## | AO.A12B.01TCGA | -0.01130316 | 0.64830762 | -0.4907681 | -1.3166674 | -1.0395200 |
| ## | BH.A18Q.02TCGA | 0.67373026 | 2.85157385 | -0.9922699 | -0.5774426 | -0.4971534 |
| ## | C8.A130.02TCGA | 1.43450331 | -0.01519873 | -0.4022233 | 0.4964608 | 0.5882971 |
| ## | C8.A138.03TCGA | -0.93228704 | -1.22851531 | 0.4939972 | 0.8304540 | 0.7682827 |
| ## | | NP_694953 | NP_060317 | NP_002018 | NP_001899 | NP_114110 |
| ## | AO.A12D.01TCGA | 2.0562003 | 1.27519170 | -1.4640532 | -0.5420820 | 0.70372197 |
| ## | C8.A131.01TCGA | -1.2193524 | 0.97864696 | -0.5959787 | 2.6220866 | 0.24193263 |
| ## | AO.A12B.01TCGA | -1.1254357 | 0.70650857 | 0.8256820 | 1.6294094 | 0.18270001 |
| ## | BH.A18Q.02TCGA | -3.9696598 | -1.90555916 | 0.2957021 | 0.1886499 | 0.09832458 |
| ## | C8.A130.02TCGA | 0.8342873 | -1.04835742 | -0.7039712 | -0.9335620 | 0.24063104 |
| ## | C8.A138.03TCGA | 1.1522823 | -0.05823078 | -1.0054298 | -1.3601723 | -0.33983049 |
| ## | | NP_008929 | NP_001052 | NP_001138612 | XP_003960877 | NP_001107590 |
| ## | AO.A12D.01TCGA | -1.7574076 | 0.6465750 | -5.007165 | -5.007165 | -0.23348838 |
| ## | C8.A131.01TCGA | -0.8874261 | 0.8369711 | -7.364036 | -8.501490 | -0.60812236 |
| ## | AO.A12B.01TCGA | 3.7468154 | -1.5965862 | -4.869697 | -4.869697 | 0.76748100 |
| ## | BH.A18Q.02TCGA | -8.5662144 | 1.0718307 | -6.555640 | -10.004729 | -0.09905295 |
| ## | C8.A130.02TCGA | -8.1263144 | -0.8089270 | -5.525378 | -3.245870 | 0.77196980 |
| ## | C8.A138.03TCGA | -8.1002798 | -1.4589151 | -8.272165 | -1.298001 | 0.71342559 |
| ## | | NP_001231 | NP_001026890 | NP_079194 | NP_006234 | NP_078889 |
| ## | AO.A12D.01TCGA | -0.5268428 | -1.3269005 | -1.25451429 | 1.3399583 | -0.4239783 |
| ## | C8.A131.01TCGA | -0.4462071 | 0.7964923 | -0.09404148 | -1.0291020 | 0.2014538 |
| ## | AO.A12B.01TCGA | -0.8815460 | -1.5272994 | 0.59564962 | 0.4127323 | 0.1355850 |
| ## | BH.A18Q.02TCGA | -4.3041979 | -1.8687600 | 0.47300735 | 0.7540194 | -1.6680370 |

```

## C8.A130.02TCGA -0.2710285 1.6214558 0.48334134 -0.4087830 0.4669420
## C8.A138.03TCGA 1.2619965 -0.6068017 0.97673961 1.4338820 0.4903401
## NP_077286 NP_001264125 NP_940915 NP_116119 NP_060544
## A0.A12D.01TCGA 0.4713243 -0.9611598 -0.9611598 -0.1572924 -1.2507045
## C8.A131.01TCGA -0.3369143 0.7843487 0.7843487 -0.3854889 0.4645661
## A0.A12B.01TCGA -1.7046737 -0.5600550 -0.5600550 0.1688426 -0.1443339
## BH.A18Q.02TCGA 1.8814131 -0.5941695 0.5700234 -0.4770811 0.4663166
## C8.A130.02TCGA 0.8146081 0.5226998 0.2275116 4.6061365 1.7460909
## C8.A138.03TCGA 0.4574258 0.1502262 -0.4312590 -0.7128587 -0.9871441
## NP_065921 NP_689763 NP_001092759 NP_060497 NP_055938
## A0.A12D.01TCGA 1.0351744 0.8751629 -0.03156908 -0.83924629 -0.957350
## C8.A131.01TCGA 1.6020206 0.9624554 0.30265085 -0.04141903 -3.785709
## A0.A12B.01TCGA 0.2963304 -0.9757761 0.13004201 -2.18136720 -2.835435
## BH.A18Q.02TCGA 0.1284330 0.4863889 -1.37029806 -0.56406103 -6.298046
## C8.A130.02TCGA 0.1356752 0.3947849 -0.33334601 -0.11031492 1.437783
## C8.A138.03TCGA -0.1277164 -0.1167450 0.22336894 -1.14440111 2.915023
## NP_001257904 NP_001257906 NP_006808 NP_001137532 NP_116164
## A0.A12D.01TCGA -0.43921748 -0.43921748 0.052246485 0.2160678 -0.3287333
## C8.A131.01TCGA 0.83697113 0.76815716 2.124197266 1.6951219 0.5171885
## A0.A12B.01TCGA -0.15264833 -0.19422044 -0.002988738 -1.4607840 0.7979672
## BH.A18Q.02TCGA 0.02472618 0.09163381 1.004923063 0.5298788 -1.0156876
## C8.A130.02TCGA -0.49077971 -0.48094011 -0.146393481 -0.7662887 0.4439829
## C8.A138.03TCGA 0.21971180 0.24896891 -0.690915853 1.0389110 0.2233689
## NP_001123617 NP_001181973 NP_006097 NP_057386 NP_066983
## A0.A12D.01TCGA 1.7323675 1.5609266 1.5609266 -0.08109645 2.6924366
## C8.A131.01TCGA 1.1931847 1.2053283 1.1972325 -0.04141903 0.3998000
## A0.A12B.01TCGA -1.1531504 -1.0810921 -1.1115783 0.22981507 -0.8150306
## BH.A18Q.02TCGA 1.2089914 1.3060074 1.3193890 -0.51722568 0.6703849
## C8.A130.02TCGA -0.4284622 -0.3727044 -0.3825440 -0.35302522 -1.2156307
## C8.A138.03TCGA 0.6475971 0.4720544 0.4647401 -0.27765913 2.6114808
## NP_006075 NP_002779 NP_996892 NP_000008 NP_991403
## A0.A12D.01TCGA -0.06204746 -0.19158060 -0.45826647 -3.1136958 1.94190638
## C8.A131.01TCGA -1.71319385 -0.79432488 0.77220504 -2.4134773 0.93007239
## A0.A12B.01TCGA 0.76193805 0.27138717 0.03026895 -0.2163922 0.50419098
## BH.A18Q.02TCGA 1.83792315 -0.20610517 -0.32319353 0.1886499 -0.03883608
## C8.A130.02TCGA 0.84084705 1.09667682 -0.03487794 -0.6022953 0.59485688
## C8.A138.03TCGA 1.71913886 0.08439765 0.34039739 0.2014261 -0.81160144
## NP_001247418 NP_004610 NP_003291 NP_056182 NP_006320
## A0.A12D.01TCGA 1.888569200 -0.06966706 0.07891507 0.3989381 -0.07728665
## C8.A131.01TCGA 0.703391060 -0.72551091 1.89346805 -0.2316694 -0.03332327
## A0.A12B.01TCGA 0.504190981 1.47143536 0.92268354 1.9564433 -1.33052473
## BH.A18Q.02TCGA -0.002036877 -0.30312124 -1.09597674 -0.4235550 -1.79850694
## C8.A130.02TCGA 0.732611375 -2.06511677 -0.36614470 -0.1135948 -0.66789263
## C8.A138.03TCGA -0.811601445 1.98245288 1.26565360 -0.9396013 -1.87582894
## NP_064709 NP_064512 NP_001119809 NP_076413 NP_689876
## A0.A12D.01TCGA -0.4773155 1.7361773 1.6180735 -0.78971891 0.9285001
## C8.A131.01TCGA 1.3550999 1.0312694 0.5576673 -0.02117963 -0.7295588
## A0.A12B.01TCGA -0.7152575 -0.1471054 -0.2357925 0.39610350 0.5817922
## BH.A18Q.02TCGA 0.2354852 -2.2166797 -2.1230090 -0.08232604 -2.6850331
## C8.A130.02TCGA -0.1431136 -0.5038992 -0.4645408 0.62765557 -1.6157747
## C8.A138.03TCGA 1.7776531 -0.1460021 0.2526261 0.66222564 -0.6470302
## NP_060517 NP_620147 NP_113642 NP_003187 NP_002517
## A0.A12D.01TCGA -0.1115748 -0.67923476 -0.97258922 -0.3325431 2.95912248
## C8.A131.01TCGA -0.6243139 -0.93195284 1.04341306 -2.7696908 0.82077961

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | A0.A12B.01TCGA | 0.3379025 | 0.04966926 | 2.08670256 | 1.1887450 | -1.18640808 |
| ## | BH.A18Q.02TCGA | 0.5633327 | -0.71460321 | -1.51749486 | -2.0226475 | 2.63412403 |
| ## | C8.A130.02TCGA | 0.3390271 | 1.06387813 | 0.02743957 | -1.5862559 | -0.43502194 |
| ## | C8.A138.03TCGA | -0.1642878 | 0.53788291 | -0.37640188 | -0.9103442 | 0.07708337 |
| ## | | NP_003394 | NP_996806 | NP_001116698 | NP_003482 | NP_116082 |
| ## | A0.A12D.01TCGA | -0.4658861 | -0.2639668 | 0.4865635 | 0.2427364 | -0.5611310 |
| ## | C8.A131.01TCGA | -0.8995698 | -0.7457503 | -0.6769363 | 0.3188424 | 0.2014538 |
| ## | A0.A12B.01TCGA | -0.6681425 | -1.2085799 | 1.3827482 | 0.1161846 | -0.8372024 |
| ## | BH.A18Q.02TCGA | 0.2087222 | 0.2087222 | 0.6603487 | -0.5172257 | 0.1150515 |
| ## | C8.A130.02TCGA | 1.1524346 | 1.5230598 | 0.5226998 | 0.4702219 | 1.0638781 |
| ## | C8.A138.03TCGA | 1.5435962 | 2.1323956 | -0.1094307 | -0.9798298 | -1.5064579 |
| ## | | NP_113673 | NP_005917 | NP_060761 | NP_113668 | NP_002724 |
| ## | A0.A12D.01TCGA | -0.61065840 | 0.05605628 | -0.26396676 | 0.5208517 | -0.09633564 |
| ## | C8.A131.01TCGA | 0.92602451 | -0.58788296 | -0.40977620 | -0.8307558 | -0.15475970 |
| ## | A0.A12B.01TCGA | 0.14944232 | -0.23579254 | 1.36057641 | -0.2053063 | 0.09401285 |
| ## | BH.A18Q.02TCGA | -0.06225375 | -1.84534228 | 0.09163381 | -0.2997759 | -0.10908910 |
| ## | C8.A130.02TCGA | 0.24063104 | 0.44726278 | -0.71381079 | 0.3980648 | -0.35630509 |
| ## | C8.A138.03TCGA | -0.85182998 | 0.65491136 | -1.96360028 | -1.0676012 | 2.02999569 |
| ## | | NP_057287 | NP_059127 | NP_031373 | NP_001193581 | NP_001193580 |
| ## | A0.A12D.01TCGA | 0.2770246 | NA | -0.2753962 | 0.45608509 | 0.45608509 |
| ## | C8.A131.01TCGA | -1.2557833 | NA | 0.3876563 | -0.01713175 | -0.01713175 |
| ## | A0.A12B.01TCGA | 0.8118246 | NA | 0.9088262 | 0.70928005 | 0.70928005 |
| ## | BH.A18Q.02TCGA | -0.1425429 | -3.176804 | -0.9922699 | 0.05148923 | 0.05148923 |
| ## | C8.A130.02TCGA | -0.2841480 | -1.694492 | -0.1693526 | -0.21855060 | -0.21855060 |
| ## | C8.A138.03TCGA | 2.1250813 | 4.052394 | 1.5618819 | -0.99080126 | -0.99080126 |
| ## | | NP_001193582 | NP_056461 | NP_002875 | NP_008896 | NP_001186743 |
| ## | A0.A12D.01TCGA | 0.50942226 | 1.1723271 | 1.21423492 | -0.7211425 | NA |
| ## | C8.A131.01TCGA | 0.05573011 | 0.1609750 | 0.07192163 | -0.7700376 | NA |
| ## | A0.A12B.01TCGA | 0.65662204 | -2.3615130 | -1.99013551 | 0.9115976 | NA |
| ## | BH.A18Q.02TCGA | 0.01803541 | -0.2529405 | -0.20275979 | -1.2030290 | -2.397330 |
| ## | C8.A130.02TCGA | -0.07423637 | -0.3891038 | -0.44158168 | -0.4973395 | -0.658053 |
| ## | C8.A138.03TCGA | -1.09320116 | 0.6037114 | 0.80485407 | 0.9657682 | 1.730110 |
| ## | | NP_689567 | NP_001123468 | NP_037493 | NP_065858 | NP_037530 |
| ## | A0.A12D.01TCGA | NA | NA | NA | NA | 0.04462689 |
| ## | C8.A131.01TCGA | NA | NA | NA | NA | 2.81638491 |
| ## | A0.A12B.01TCGA | NA | NA | NA | NA | -0.43533866 |
| ## | BH.A18Q.02TCGA | -5.7962383 | -7.8536481 | -7.8536481 | -7.8536481 | -2.10962745 |
| ## | C8.A130.02TCGA | 2.5529386 | 2.7267716 | 0.8047685 | 2.7267716 | 1.19507289 |
| ## | C8.A138.03TCGA | 0.9255397 | 0.9255397 | 0.9255397 | 0.9255397 | -0.24108773 |
| ## | | NP_085137 | NP_001027544 | NP_001076804 | NP_037494 | NP_659570 |
| ## | A0.A12D.01TCGA | -0.6906642 | NA | 1.2599525 | NA | NA |
| ## | C8.A131.01TCGA | -1.1100596 | NA | -2.4337167 | NA | NA |
| ## | A0.A12B.01TCGA | -1.2279802 | NA | -3.8830522 | NA | NA |
| ## | BH.A18Q.02TCGA | -3.2805111 | -3.9161337 | -8.5126883 | -6.421825 | -7.8536481 |
| ## | C8.A130.02TCGA | 0.6374952 | 0.6538945 | 1.1852333 | 1.060598 | 2.7267716 |
| ## | C8.A138.03TCGA | 1.3387964 | 0.1246262 | 0.8706826 | 0.461083 | 0.9255397 |
| ## | | NP_689650 | NP_852466 | NP_958357 | NP_005885 | NP_001439 |
| ## | A0.A12D.01TCGA | NA | -0.3134941 | -0.7211425 | -0.5039840 | 1.4161542 |
| ## | C8.A131.01TCGA | NA | -1.3691240 | -0.3895368 | 1.4886800 | -0.6526491 |
| ## | A0.A12B.01TCGA | NA | -0.5461976 | -0.8649171 | -2.1397951 | -0.7817729 |
| ## | BH.A18Q.02TCGA | -3.6685754 | -4.9130574 | 0.1919953 | -1.6111656 | -1.1026675 |
| ## | C8.A130.02TCGA | 1.0901171 | 1.5984968 | 0.3915050 | 0.6571744 | 1.0507587 |
| ## | C8.A138.03TCGA | 0.8011969 | -0.5738874 | 0.5927400 | -1.1041726 | 3.2039374 |
| ## | | NP_005699 | NP_055908 | NP_006068 | NP_000020 | NP_006281 |

```

## A0.A12D.01TCGA 1.7742753 0.28464417 1.5533070 -0.6982838 1.4580620
## C8.A131.01TCGA 1.7922710 0.58195463 0.5819546 0.6791038 1.3591478
## A0.A12B.01TCGA -0.9369754 -0.32447971 -1.4302978 -1.2667808 -0.5018540
## BH.A18Q.02TCGA -1.9724668 -0.07563528 0.8711078 0.4529351 1.8044693
## C8.A130.02TCGA 0.4111842 0.65717439 1.5197799 -0.2611889 -0.4645408
## C8.A138.03TCGA 1.6862246 -0.61777307 2.7650807 -1.6673720 -0.4129733
## NP_067643 NP_789847 NP_001432 NP_071440 NP_067067
## A0.A12D.01TCGA 1.2218545 1.0046960 -0.8430561 -0.06585726 -0.3934999
## C8.A131.01TCGA 0.6791038 0.9341203 -2.3001366 0.35932118 -0.6688406
## A0.A12B.01TCGA -1.6076721 -1.1614648 -1.0367485 0.10787022 0.2159577
## BH.A18Q.02TCGA -0.3800650 -0.2562859 -2.5679448 -0.44362728 -0.2027598
## C8.A130.02TCGA 0.1094363 0.1028766 -1.9700006 -0.77612830 -0.8614049
## C8.A138.03TCGA 1.1266823 0.9035968 3.2441659 -0.71651583 -0.9761727
## NP_976060 NP_001265488 NP_079017 NP_060200 NP_000894
## A0.A12D.01TCGA -0.74019153 1.8809496 NA 0.9246903 -7.270186
## C8.A131.01TCGA -2.17870016 0.8531627 NA 0.1366877 -7.627148
## A0.A12B.01TCGA 3.88816058 -0.2995364 NA 0.4432186 -6.327492
## BH.A18Q.02TCGA -0.05221761 -1.9958845 0.3626097 -0.4369365 -3.618395
## C8.A130.02TCGA 0.19143301 0.9097243 -0.0709565 0.1979927 2.156074
## C8.A138.03TCGA -0.18988779 -0.9396013 NA 0.4939972 2.106796
## NP_000365 NP_001127703 NP_073568 NP_112179 NP_005872
## A0.A12D.01TCGA -0.3858803 0.9627882 2.3609842 -0.2258688 -0.07347685
## C8.A131.01TCGA 0.2297890 3.5288119 -0.3733453 -0.4583508 -0.67288846
## A0.A12B.01TCGA 0.7314518 -2.4973152 0.1688426 0.7037371 1.84558434
## BH.A18Q.02TCGA 0.5399150 -1.1193944 -4.3108887 -0.5038442 0.47969811
## C8.A130.02TCGA 0.1848733 1.0605983 0.1684739 0.2570304 1.30658843
## C8.A138.03TCGA -2.3329713 4.0048508 2.0373100 -0.4349161 -1.22120103
## NP_002538 NP_005717 NP_001139013 NP_079139 NP_525129
## A0.A12D.01TCGA -0.401119497 -1.0106872 0.26940498 -1.8221742 -1.9326584
## C8.A131.01TCGA 0.322890253 -1.7253375 0.65886437 -2.3932379 -2.4701476
## A0.A12B.01TCGA -1.613215060 0.6538506 -0.16373422 -1.7213025 -1.8266185
## BH.A18Q.02TCGA 0.004653887 -0.1358522 0.44289891 -2.4408203 -0.5674064
## C8.A130.02TCGA 0.726051638 -1.0024393 -1.11723467 0.5423790 0.4866212
## C8.A138.03TCGA 0.029540563 0.4098830 -0.06554506 0.3403974 -0.2849734
## NP_003192 NP_061857 NP_203747 NP_775922 NP_976225
## A0.A12D.01TCGA -0.03537887 0.9818372 -0.7782895 1.1685173 1.9152378
## C8.A131.01TCGA -1.89939638 0.5860025 1.5170151 2.0675269 -1.0169583
## A0.A12B.01TCGA 1.02799954 -0.6431992 -0.5988556 -0.2607358 1.8234125
## BH.A18Q.02TCGA 1.02499535 0.1183969 -1.0123422 -5.8163106 -1.4004065
## C8.A130.02TCGA 1.38530528 -0.6646128 1.3131482 -0.9138828 0.2012726
## C8.A138.03TCGA -0.07285933 2.0994813 0.5232543 4.3486219 -0.3837162
## NP_001238978 NP_055660 NP_057260 NP_057631 NP_000160
## A0.A12D.01TCGA -0.34016273 0.7075318 1.6676009 1.4275836 -1.2278457
## C8.A131.01TCGA -0.66479269 0.1002568 0.5819546 0.4605182 -0.4421592
## A0.A12B.01TCGA 1.11114376 -1.1448360 0.5208198 0.4182753 0.7924243
## BH.A18Q.02TCGA -0.08232604 0.8409994 -1.3234627 -1.4706595 -1.6078202
## C8.A130.02TCGA 0.33246737 0.1192759 0.7719698 0.8506867 0.2078324
## C8.A138.03TCGA 1.47776767 -0.3983447 0.3111403 0.3477117 -1.1005154
## NP_006362 NP_006446 NP_036399 NP_742000 NP_001138827
## A0.A12D.01TCGA 0.002719109 0.665624 0.50561247 -1.60501572 -1.730739056
## C8.A131.01TCGA 3.338561544 2.152532 -0.04141903 -1.00481469 -0.850995217
## A0.A12B.01TCGA -2.541658809 -1.106035 -0.16373422 -0.05010379 0.005325683
## BH.A18Q.02TCGA -0.547334120 -0.353302 -0.07228990 -0.91867151 -0.922016888
## C8.A130.02TCGA 1.355786460 1.119636 1.49354095 -0.37270443 -0.320226531

```



```

## C8.A138.03TCGA 1.272967879 1.697196 0.57445430 -1.77708618 -1.908743195
## NP_001138828 NP_001078926 XP_003960503 NP_671717 NP_001186621
## A0.A12D.01TCGA -1.74597825 -1.76121744 -1.6621627 -1.4373846 0.9094511
## C8.A131.01TCGA -1.00481469 -0.95624012 -0.9440965 -1.5472307 1.1850889
## A0.A12B.01TCGA 0.06352663 0.09124137 -0.1166192 0.4155038 -1.8709621
## BH.A18Q.02TCGA -0.91867151 -0.92870765 -0.9287077 0.4295174 -3.4109810
## C8.A130.02TCGA -0.37270443 -0.37270443 -0.2152707 -0.6449335 -0.5891758
## C8.A138.03TCGA -1.87948608 -2.00382881 -1.9562860 -1.6015435 0.4354830
## NP_963868 NP_005524 NP_001184224 NP_055717 NP_892118
## A0.A12D.01TCGA -1.936468 -1.60120592 -0.01252008 0.40655771 0.42941650
## C8.A131.01TCGA 8.382221 -1.48246464 -1.70105021 -0.61621812 -0.61217024
## A0.A12B.01TCGA -2.907493 0.07461253 -2.69686135 0.45153298 0.39887497
## BH.A18Q.02TCGA -5.789547 0.83096321 -0.61424176 -0.87852692 -0.87852692
## C8.A130.02TCGA -1.714171 0.05695839 -1.22875021 0.01104023 0.01104023
## C8.A138.03TCGA 3.602566 0.36965451 1.20713937 1.77765308 1.74108169
## NP_057407 NP_060244 NP_787050 NP_055439 NP_055313
## A0.A12D.01TCGA -0.17634141 0.4065577 0.1779698 0.741819953 2.4562291
## C8.A131.01TCGA 0.07596952 0.5050449 0.3147945 3.545003472 1.0353173
## A0.A12B.01TCGA -0.12493359 -1.4607840 0.6732509 -0.008531686 -2.3199409
## BH.A18Q.02TCGA 2.68765014 0.4696620 -0.4302458 1.426441178 -0.4335911
## C8.A130.02TCGA -0.84500555 0.5489387 0.4997407 -3.072036510 -0.4809401
## C8.A138.03TCGA -1.31628665 0.6731971 3.2222231 2.487138082 0.3733116
## NP_004555 NP_004986 NP_056480 NP_004614 NP_002022
## A0.A12D.01TCGA -0.06966706 -0.04299847 0.6656240 -0.2677766 -0.7859091
## C8.A131.01TCGA -0.34501010 1.29033380 0.3957521 0.4119436 -0.9886232
## A0.A12B.01TCGA 1.57397990 -1.87096213 -0.9896334 0.1328135 -2.5472018
## BH.A18Q.02TCGA -0.45031805 0.16188683 0.2120676 0.1183969 0.7004933
## C8.A130.02TCGA 2.09375695 0.83756718 -0.2611889 0.9589223 -1.8355259
## C8.A138.03TCGA -0.23377346 1.51799620 -0.1642878 -1.1261154 -1.0639440
## NP_001184147 NP_001184149 NP_001098101 NP_006194 NP_001032417
## A0.A12D.01TCGA 0.4065577 0.4065577 0.4065577 0.4065577 -2.0317131
## C8.A131.01TCGA -0.4502550 -0.4502550 -0.4502550 -0.4502550 2.2334901
## A0.A12B.01TCGA -2.6608322 -2.6608322 -2.6608322 -2.6608322 -2.1287092
## BH.A18Q.02TCGA 0.9212885 0.9212885 0.9212885 0.9212885 2.1523890
## C8.A130.02TCGA -2.6390938 -2.6390938 -2.6390938 -2.6390938 -2.2159907
## C8.A138.03TCGA -0.8993728 -1.3162866 -1.3162866 -1.3162866 -0.7786872
## NP_001104777 NP_001184151 NP_000914 NP_055986 NP_001186036
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## C8.A131.01TCGA NA -2.3001366 NA 0.5940983 1.36319565
## A0.A12B.01TCGA NA -4.9528411 NA -1.0145767 1.37997673
## BH.A18Q.02TCGA 2.152389 0.8911801 2.152389 -0.3733743 0.49642502
## C8.A130.02TCGA -2.215991 -2.9014833 -2.215991 0.5194199 0.08975708
## C8.A138.03TCGA 0.120969 -1.4004009 -1.246801 0.5707972 1.04256811
## NP_065756 NP_004484 NP_009035 NP_003529 NP_000217
## A0.A12D.01TCGA 2.41432135 -0.4163587 1.21423492 -1.258324 -3.33466408
## C8.A131.01TCGA 1.36319565 -0.3247707 1.07174822 -2.089647 0.06382587
## A0.A12B.01TCGA 1.37997673 1.2441745 -1.27232377 1.180431 -2.11485183
## BH.A18Q.02TCGA 0.52987884 -0.1325068 -0.05890837 1.466586 1.51342111
## C8.A130.02TCGA 0.08319734 0.2045525 1.09667682 1.080277 0.08975708
## C8.A138.03TCGA 1.04256811 -0.8189157 0.59639713 -1.184630 0.45011157
## NP_060367 NP_002901 NP_203125 NP_203124 NP_001253986
## A0.A12D.01TCGA 0.80277672 0.7646787 -0.5916094 -0.5192232 -0.5192232
## C8.A131.01TCGA -0.41382408 0.3552733 -0.7497982 -0.7457503 -0.7457503
## A0.A12B.01TCGA 1.41046294 -2.2312537 2.9264591 3.0982905 2.9264591

```

```

## BH.A18Q.02TCGA 0.17526836 1.2491359 0.1853045 0.2053768 0.2254491
## C8.A130.02TCGA -1.19267165 -0.7269303 0.2111122 0.1815934 0.2209518
## C8.A138.03TCGA -0.05457364 -0.8554871 1.0718252 1.1449680 1.2217679
## NP_003183 NP_004228 NP_073591 NP_112233 NP_036345
## AO.A12D.01TCGA -0.4354077 -1.6469235 -1.0221166 -0.19158060 0.1551110
## C8.A131.01TCGA 0.2864593 1.9258511 -1.6605714 0.07192163 0.3998000
## AO.A12B.01TCGA 0.1688426 -1.8654192 1.4714354 0.46539035 0.9476268
## BH.A18Q.02TCGA -0.1726514 -0.8618000 -1.3836796 0.37933666 0.3157744
## C8.A130.02TCGA 0.2406310 0.4735017 -0.8679646 -0.74004975 -0.1496734
## C8.A138.03TCGA 0.3586831 -2.1172001 -0.5226875 0.09902621 -0.4678304
## NP_071933 NP_002200 NP_001116080 NP_001883 NP_001258670
## AO.A12D.01TCGA 1.1113704 0.5132321 1.4199640 1.09232138 1.09232138
## C8.A131.01TCGA 1.4765363 1.6667867 -0.2276216 -0.09808936 -0.09808936
## AO.A12B.01TCGA -0.8815460 -0.4214813 -2.8991789 -1.18086514 -1.18086514
## BH.A18Q.02TCGA 0.1384692 1.6773448 -2.4608925 -0.59416947 -0.59416947
## C8.A130.02TCGA -0.2087110 -1.3468255 0.1127162 0.16519406 0.16519406
## C8.A138.03TCGA -0.3398305 -0.3069162 1.1083966 3.34290865 3.17833738
## NP_001258671 NP_660204 NP_068811 NP_002948 NP_005225
## AO.A12D.01TCGA 1.24090351 1.1304194 -0.5154134 -0.53065263 0.6770534
## C8.A131.01TCGA -0.09808936 -0.8267079 -1.0493414 -1.07362867 -0.2559567
## AO.A12B.01TCGA -1.16146482 -0.9314325 0.2769301 0.03026895 0.1078702
## BH.A18Q.02TCGA -0.77482009 -0.4703903 0.5666780 -0.22952284 0.1183969
## C8.A130.02TCGA 0.04055904 0.4899011 1.2967488 0.52925951 2.1396751
## C8.A138.03TCGA 3.15639455 3.3648515 0.1831404 0.69148275 -1.1370868
## NP_003288 NP_008848 NP_055422 NP_710154 NP_963906
## AO.A12D.01TCGA NA -0.56494082 1.0580332 0.8827825 0.7075318
## C8.A131.01TCGA NA -1.42579431 0.5495716 2.1444367 2.3468307
## AO.A12B.01TCGA NA -0.27182170 -1.0506059 -1.6741875 -2.0012214
## BH.A18Q.02TCGA 1.9382846 0.04814385 -2.8255392 -1.0089968 -1.0725591
## C8.A130.02TCGA 0.5489387 0.65717439 -0.2382298 0.3423070 0.3652661
## C8.A138.03TCGA -1.6125149 0.87068257 0.4208545 1.6094247 1.8142245
## NP_444279 NP_000181 NP_005392 NP_008970 NP_060566
## AO.A12D.01TCGA -0.21824919 -0.04299847 1.6295029 0.8446845 -1.0906930
## C8.A131.01TCGA 0.29455509 0.51314066 1.1486580 1.1243707 -0.8388516
## AO.A12B.01TCGA -0.83997385 1.77906896 -1.5300708 -0.7318864 -1.3028100
## BH.A18Q.02TCGA -1.29335427 -0.21614132 0.2622483 -1.3736434 -0.1258160
## C8.A130.02TCGA 0.05695839 0.24719078 -0.9893198 -0.6646128 1.6936130
## C8.A138.03TCGA 0.09171193 -1.11148686 1.2400536 1.5618819 0.2160547
## NP_057604 NP_064569 NP_060119 NP_001668 NP_996895
## AO.A12D.01TCGA 0.0179583 1.5418776 1.3475779 2.726725 0.433226301
## C8.A131.01TCGA -0.2033343 -0.7255109 -0.6566969 1.071748 -0.009035984
## AO.A12B.01TCGA -0.7069431 -0.7956303 -0.4242528 -1.821076 1.573979897
## BH.A18Q.02TCGA -0.4402819 -0.9688522 -1.9089045 3.293164 0.068216142
## C8.A130.02TCGA -1.0450776 -1.6452936 -1.8158467 -2.393104 -0.172632432
## C8.A138.03TCGA -0.2740020 0.4354830 3.5440513 2.721195 -0.083830751
## NP_006794 NP_945344 NP_000966 NP_001186731 NP_003646
## AO.A12D.01TCGA -0.2334884 7.92709929 0.37607933 0.37607933 0.09034447
## C8.A131.01TCGA -0.8186122 1.11627491 0.27836356 0.27836356 -0.60407448
## AO.A12B.01TCGA 1.1582588 -0.91480364 -0.12493359 -0.12493359 -0.34110855
## BH.A18Q.02TCGA -1.2966997 -0.02545455 0.23883062 0.23883062 0.06152538
## C8.A130.02TCGA -0.5465375 -3.89528359 1.05403852 1.05403852 -0.05783702
## C8.A138.03TCGA -0.8957156 -4.71376894 0.06976909 0.06976909 0.24531177
## NP_079087 NP_001136037 NP_116249 NP_057041 NP_001153416
## AO.A12D.01TCGA -0.2106296 -0.2106296 0.8904021 -1.3573788 2.39146256

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## C8.A131.01TCGA 0.3512254 0.3512254 -0.0899936 -1.6929544 0.98269484
## A0.A12B.01TCGA 0.2353580 0.2353580 -0.7845444 1.7568972 -0.05287527
## BH.A18Q.02TCGA -1.1060129 -1.1227398 -0.2930851 -0.1157799 -0.29643048
## C8.A130.02TCGA 1.4049845 1.4148241 0.1422350 0.5292595 0.67029387
## C8.A138.03TCGA -0.2959448 -0.4056590 -0.1716021 -1.2358296 -1.02005838
## NP_006296 NP_006392 NP_036535 NP_079506 NP_060533
## A0.A12D.01TCGA -1.4297650 -1.3116613 -1.0983126 -0.6411368 -2.0698111
## C8.A131.01TCGA -0.8024206 -0.3409622 0.2743157 0.2824114 1.0150779
## A0.A12B.01TCGA -0.7457437 -1.8626477 -1.0201197 0.9642556 -1.5938147
## BH.A18Q.02TCGA -0.5272618 -0.1258160 -0.6309687 -0.8885631 1.2156821
## C8.A130.02TCGA -0.5399777 -0.0283182 -0.5629368 0.4111842 0.2012726
## C8.A138.03TCGA 0.0331977 -0.1423450 -0.2447449 1.4375391 0.6768542
## NP_006004 NP_001243506 NP_055054 NP_009126 NP_001119575
## A0.A12D.01TCGA 0.5818084 -0.7744797 -0.1725316 -1.00687741 -0.8430561
## C8.A131.01TCGA 1.8813244 1.0069821 -0.2235737 -0.17095122 -0.8712346
## A0.A12B.01TCGA -0.8482883 -0.7485152 1.1832021 1.48529273 -1.4081260
## BH.A18Q.02TCGA -0.1726514 -0.3967919 -0.4536634 -0.08901681 -1.5542941
## C8.A130.02TCGA 1.4705819 1.0212398 -0.1890318 -0.21199086 0.9458029
## C8.A138.03TCGA -0.5153732 -1.2797153 -0.3946876 0.24896891 0.2416546
## NP_055764 NP_387506 NP_001186779 NP_000476 NP_001003
## A0.A12D.01TCGA 0.2008286 -0.2068198 -0.3058745 -0.2868256 0.09415427
## C8.A131.01TCGA 0.2257411 -1.2355439 -1.3003100 1.4077223 0.71958258
## A0.A12B.01TCGA 1.0723431 2.2031045 2.2419051 0.7175945 -0.90926070
## BH.A18Q.02TCGA 0.8510355 1.3093528 1.3093528 1.6271641 -0.10239833
## C8.A130.02TCGA 1.3295475 0.4931809 0.4931809 0.7785295 1.09995669
## C8.A138.03TCGA -0.2557163 -0.6982301 -0.6982301 -1.5978864 -1.70394340
## NP_005821 NP_997080 NP_001248394 NP_060606 NP_068593
## A0.A12D.01TCGA 0.4217969 2.3419352 2.3419352 4.1477795 1.2713819
## C8.A131.01TCGA -0.5554999 1.5898770 1.5898770 1.4077223 -0.3369143
## A0.A12B.01TCGA 2.2502195 -0.3355656 -0.3355656 -0.9397469 2.2252763
## BH.A18Q.02TCGA 0.5198427 -0.6443502 -0.4703903 -5.7627844 0.2087222
## C8.A130.02TCGA 1.1130762 -1.4321021 -1.5534572 -0.3530252 1.1819534
## C8.A138.03TCGA -0.7128587 2.2640526 1.4777677 2.3445097 -0.1277164
## NP_000850 NP_114402 NP_071922 NP_006807 NP_115805
## A0.A12D.01TCGA 0.1855894 -0.008710286 -0.02775928 2.2924078 -0.2030100
## C8.A131.01TCGA -0.2073821 -0.045466912 -0.12237665 0.4240873 1.1243707
## A0.A12B.01TCGA -4.4900049 1.069571652 0.86448258 0.4737048 0.7148230
## BH.A18Q.02TCGA -2.9091737 0.268939054 0.34588284 -0.7748201 -0.8250008
## C8.A130.02TCGA -0.1759123 0.178313537 0.21111222 -2.7834080 -0.4153427
## C8.A138.03TCGA 1.2693107 -0.021659385 0.50131152 1.9531958 0.4647401
## NP_055546 NP_060337 NP_690870 NP_001746 NP_074036
## A0.A12D.01TCGA -0.6449466 0.01795830 -0.56875062 0.6808632 0.5551398
## C8.A131.01TCGA 2.0837185 0.48480549 0.01120342 0.7641093 0.8531627
## A0.A12B.01TCGA -0.4685963 -0.49631109 1.59060874 -0.8760030 -0.8676886
## BH.A18Q.02TCGA 0.9881962 0.81089091 0.67038488 2.3731842 1.6405456
## C8.A130.02TCGA 1.4345033 -0.06767663 -1.30090732 -0.4579810 -0.5268583
## C8.A138.03TCGA 0.1465690 -1.52840072 0.80119693 -0.5080589 -0.7457729
## NP_113649 NP_002856 NP_116235 NP_001004 NP_068749
## A0.A12D.01TCGA NA 3.3972493 3.03531845 0.16654043 1.7742753
## C8.A131.01TCGA NA 0.6871995 0.38360847 2.37921376 0.2297890
## A0.A12B.01TCGA NA -0.9674616 -0.88154596 -2.82157767 -0.2025349
## BH.A18Q.02TCGA 1.392987 -1.6948001 -1.69480010 -0.06894451 -0.8517639
## C8.A130.02TCGA -1.500979 1.8608863 1.56241820 1.66737400 -0.6154147
## C8.A138.03TCGA -3.528856 -0.9066871 0.01856914 -1.27971526 0.7024542

```

| | | | | | | |
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| ## | | NP_001028693 | NP_000467 | NP_777283 | NP_061981 | NP_000115 |
| ## | AO.A12D.01TCGA | -0.6792348 | -1.3421396 | -2.2679206 | 0.8980217 | 2.8067306 |
| ## | C8.A131.01TCGA | -0.1547597 | -0.4826381 | 0.3228903 | 0.9260245 | 0.5252843 |
| ## | AO.A12B.01TCGA | 0.1134132 | 1.5822943 | 0.6760224 | -0.5406547 | -3.2317558 |
| ## | BH.A18Q.02TCGA | -0.6142418 | -1.1093583 | -1.1260852 | 0.2321399 | -0.4636996 |
| ## | C8.A130.02TCGA | 0.5292595 | -1.3140268 | -0.1070351 | 0.1291155 | 0.9917210 |
| ## | C8.A138.03TCGA | 0.3330831 | -0.6433730 | -0.9432585 | -0.1533164 | 1.1632537 |
| ## | | NP_001263987 | NP_057070 | NP_079431 | NP_002785 | NP_001186708 |
| ## | AO.A12D.01TCGA | 0.69610238 | 0.2846442 | -2.19934423 | 0.06367588 | -0.01252008 |
| ## | C8.A131.01TCGA | 2.15253243 | 1.7720316 | 0.07192163 | -0.34096222 | -0.31262705 |
| ## | AO.A12B.01TCGA | -1.07000618 | -0.5184829 | 1.51577895 | 0.90605469 | 0.86725406 |
| ## | BH.A18Q.02TCGA | -0.04552684 | 1.3394612 | -1.01234220 | 0.03810771 | -0.07563528 |
| ## | C8.A130.02TCGA | 0.94580285 | -0.6186946 | 1.36234620 | 0.78180941 | 0.79492888 |
| ## | C8.A138.03TCGA | 0.32942597 | -1.3821152 | -0.06920219 | 0.07708337 | 0.01491201 |
| ## | | NP_001186709 | NP_005779 | NP_001138639 | NP_110396 | NP_001153408 |
| ## | AO.A12D.01TCGA | -0.34778232 | 0.06367588 | 0.06367588 | -0.02013968 | -0.9497304 |
| ## | C8.A131.01TCGA | 0.31074661 | -0.26405248 | -0.83075581 | -0.45835077 | 0.2014538 |
| ## | AO.A12B.01TCGA | 0.85616816 | 0.04689779 | 0.09678432 | -1.32498178 | -0.7956303 |
| ## | BH.A18Q.02TCGA | -0.34995659 | -0.63431405 | -0.50718954 | 2.34307581 | -1.1996836 |
| ## | C8.A130.02TCGA | 1.12619564 | -0.71381079 | -0.71381079 | -0.99587952 | 0.9031646 |
| ## | C8.A138.03TCGA | 0.06976909 | -0.62874449 | -0.66897302 | -1.08222974 | -1.2138868 |
| ## | | NP_002506 | NP_002507 | NP_006294 | NP_149075 | NP_060366 |
| ## | AO.A12D.01TCGA | -2.416503 | -1.7916958 | 0.04081709 | 0.8675433 | 1.2561427 |
| ## | C8.A131.01TCGA | -1.992498 | -0.8267079 | 0.52933218 | 1.9218032 | 0.1528793 |
| ## | AO.A12B.01TCGA | 4.193023 | 4.2789384 | 0.05244074 | -1.4386122 | -0.1498769 |
| ## | BH.A18Q.02TCGA | -2.942628 | -2.2133343 | -0.28973972 | -1.2465189 | 0.4395535 |
| ## | C8.A130.02TCGA | 2.562778 | 1.6181760 | 0.68341334 | 0.4013446 | -0.0283182 |
| ## | C8.A138.03TCGA | -2.658457 | -2.5889711 | 0.59273999 | 1.2875964 | 0.6000543 |
| ## | | NP_002572 | NP_006232 | NP_076415 | NP_001139016 | NP_000961 |
| ## | AO.A12D.01TCGA | -1.0411656 | 0.69610238 | -0.66399557 | 0.4713243 | -1.51739036 |
| ## | C8.A131.01TCGA | 8.0341034 | -0.76194184 | -0.32477070 | -0.2721482 | 3.04711412 |
| ## | AO.A12B.01TCGA | 0.1134132 | 2.03958751 | 0.04135484 | -0.1526483 | -1.05337734 |
| ## | BH.A18Q.02TCGA | -0.6778040 | -0.46369957 | -0.61758714 | -0.6042056 | 0.02472618 |
| ## | C8.A130.02TCGA | -1.9831200 | 0.06679799 | -2.64893343 | -3.6230545 | 0.51941990 |
| ## | C8.A138.03TCGA | -0.6543445 | 1.72279600 | 2.30428112 | 2.5090809 | -2.96565641 |
| ## | | NP_003969 | NP_060092 | NP_001153803 | NP_001004439 | NP_116262 |
| ## | AO.A12D.01TCGA | 0.307503 | 0.2351168 | NA | 2.9857911 | -0.6449466 |
| ## | C8.A131.01TCGA | 3.107832 | 0.9017372 | NA | 1.1486580 | 4.4193458 |
| ## | AO.A12B.01TCGA | -1.258466 | 0.2852445 | NA | -1.7213025 | -1.1143498 |
| ## | BH.A18Q.02TCGA | 1.111975 | -0.8350370 | 0.8844893 | -2.2668604 | 0.3358467 |
| ## | C8.A130.02TCGA | -1.215631 | -0.1004753 | -1.1401937 | -0.9663607 | -1.2385898 |
| ## | C8.A138.03TCGA | -0.588516 | 0.6512542 | -0.9542299 | 0.7573113 | -0.6031445 |
| ## | | NP_061834 | NP_149975 | NP_003680 | NP_036199 | NP_056272 |
| ## | AO.A12D.01TCGA | NA | 1.9609554 | -0.9649696 | -2.751765 | 0.3646499 |
| ## | C8.A131.01TCGA | NA | 0.6305292 | -1.1748257 | -1.668667 | 0.7236305 |
| ## | AO.A12B.01TCGA | NA | -1.0367485 | 3.0622614 | 3.173120 | 0.3600743 |
| ## | BH.A18Q.02TCGA | -9.3891784 | 0.5532965 | -0.6510410 | -7.281588 | -1.9557399 |
| ## | C8.A130.02TCGA | -0.5006193 | 0.2111122 | -0.4743804 | -3.731290 | 1.3459469 |
| ## | C8.A138.03TCGA | 0.5854257 | 0.6658828 | -0.6031445 | -2.347600 | 0.9182254 |
| ## | | NP_001171953 | NP_004636 | NP_115558 | NP_065956 | NP_001186032 |
| ## | AO.A12D.01TCGA | NA | -1.9212290 | -0.75924052 | 0.48656348 | 0.17035023 |
| ## | C8.A131.01TCGA | NA | -1.7172417 | 0.05168223 | -0.77408548 | -0.85504310 |
| ## | AO.A12B.01TCGA | NA | -0.3521944 | 0.17161412 | -0.70417163 | -0.37990919 |
| ## | BH.A18Q.02TCGA | -5.301122 | 0.2287945 | -0.66776787 | -2.19660738 | -0.63765943 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A130.02TCGA | 1.106516 | 1.3787455 | 0.73261137 | 0.68013347 | 0.76868993 |
| ## | C8.A138.03TCGA | 1.459482 | -0.3581162 | 0.25262605 | -0.02531652 | -0.02531652 |
| ## | | NP_001186016 | NP_037524 | NP_689794 | NP_004314 | NP_002574 |
| ## | A0.A12D.01TCGA | NA | -0.1153846 | 0.5437104 | -1.2278457 | 1.0237450 |
| ## | C8.A131.01TCGA | NA | 0.8369711 | -1.4136507 | -1.3569803 | 0.4362309 |
| ## | A0.A12B.01TCGA | NA | -0.4436531 | -2.0926800 | 3.0484040 | 0.1965574 |
| ## | BH.A18Q.02TCGA | NA | -0.6309687 | -1.0524868 | -1.1595390 | -0.7748201 |
| ## | C8.A130.02TCGA | NA | 0.3357472 | -1.4255423 | -1.6813721 | 0.4439829 |
| ## | C8.A138.03TCGA | 2.977195 | 0.7609684 | 1.9129672 | 0.2197118 | 1.1632537 |
| ## | | NP_003363 | NP_057314 | NP_065080 | NP_851851 | NP_001017526 |
| ## | A0.A12D.01TCGA | -1.32690045 | 1.05422340 | 0.4522753 | 2.056200320 | 2.50956630 |
| ## | C8.A131.01TCGA | -0.70122362 | 0.75601351 | -0.6769363 | -0.004988103 | 0.01120342 |
| ## | A0.A12B.01TCGA | 0.10787022 | -0.57114088 | 2.6132826 | -1.931934556 | -2.11762331 |
| ## | BH.A18Q.02TCGA | 0.04145309 | 1.17219216 | -1.9189407 | -2.169844323 | -2.30031422 |
| ## | C8.A130.02TCGA | 0.53581924 | -0.39894338 | -1.9700006 | 0.896604819 | 1.09339695 |
| ## | C8.A138.03TCGA | 0.77193981 | 0.05514054 | 2.3627954 | 2.563938005 | 2.90039481 |
| ## | | NP_001185650 | NP_001028733 | NP_060726 | NP_775738 | NP_001073948 |
| ## | A0.A12D.01TCGA | 1.83904182 | 0.9818372 | -0.88115407 | -0.1230042 | 0.73039056 |
| ## | C8.A131.01TCGA | -0.78622912 | 0.5050449 | -0.28024401 | -0.1021372 | -0.43811136 |
| ## | A0.A12B.01TCGA | 1.46312094 | 1.0446284 | -1.17255071 | 2.0201872 | 1.10837229 |
| ## | BH.A18Q.02TCGA | -2.59470782 | -1.0123422 | 0.61016800 | -0.6911855 | 1.27924438 |
| ## | C8.A130.02TCGA | -0.03815781 | 0.2996687 | -0.00535912 | 0.2471908 | -1.64857342 |
| ## | C8.A138.03TCGA | -0.67628730 | 0.2928546 | -1.37480088 | -0.4751446 | 0.09171193 |
| ## | | NP_001231293 | NP_001931 | NP_115689 | NP_705902 | NP_078870 |
| ## | A0.A12D.01TCGA | 1.587595145 | -0.7782895 | 0.2960736 | -0.1230042 | 0.1284424 |
| ## | C8.A131.01TCGA | -0.009035984 | 0.5252843 | -0.9683838 | 0.1528793 | -0.4138241 |
| ## | A0.A12B.01TCGA | 0.290787492 | 0.1688426 | -0.4879967 | 0.6289073 | 1.0169136 |
| ## | BH.A18Q.02TCGA | 1.443168087 | 1.1287022 | 0.5231881 | -0.3365751 | -1.3569165 |
| ## | C8.A130.02TCGA | -1.763368832 | -0.3694246 | -0.5334180 | -1.1434736 | -0.6154147 |
| ## | C8.A138.03TCGA | 0.091711929 | 0.4647401 | -0.7457729 | -0.4056590 | 0.0331977 |
| ## | | NP_683878 | NP_059120 | NP_001171564 | NP_005495 | NP_001171565 |
| ## | A0.A12D.01TCGA | 0.51704186 | -2.35554596 | -0.8621051 | -0.8811541 | -0.8811541 |
| ## | C8.A131.01TCGA | 0.12454409 | 0.07596952 | 1.7436965 | 1.7679837 | 1.7679837 |
| ## | A0.A12B.01TCGA | 0.60950699 | -0.75128668 | -3.1458401 | -3.3287574 | -3.3287574 |
| ## | BH.A18Q.02TCGA | 0.04145309 | 3.13593131 | -2.8690291 | -2.8757199 | -2.8690291 |
| ## | C8.A130.02TCGA | 0.34230698 | 0.52925951 | -3.5016993 | -3.4689006 | -3.5016993 |
| ## | C8.A138.03TCGA | -0.34714477 | -0.36908761 | -2.8120566 | -2.8120566 | -2.8339994 |
| ## | | NP_036392 | NP_001869 | NP_001892 | NP_001003652 | NP_005891 |
| ## | A0.A12D.01TCGA | 0.5170419 | -0.5687506 | 0.10177386 | -0.6068486 | 1.83904182 |
| ## | C8.A131.01TCGA | -0.5069253 | -0.9360007 | -0.81861217 | 0.4402788 | 0.93412027 |
| ## | A0.A12B.01TCGA | -1.2861811 | 0.8644826 | -2.65251776 | -0.3161653 | 0.06352663 |
| ## | BH.A18Q.02TCGA | -0.2362136 | -6.3181178 | 0.86441702 | 1.2023006 | -0.51053492 |
| ## | C8.A130.02TCGA | -0.1726324 | -2.6062951 | 0.04711878 | 0.7227718 | 0.17831354 |
| ## | C8.A138.03TCGA | 0.6878256 | -0.5958302 | -0.54097315 | -1.1626868 | -0.63240163 |
| ## | | NP_005894 | NP_005893 | NP_001120689 | NP_077315 | NP_004795 |
| ## | A0.A12D.01TCGA | 0.5665692 | -1.3611886 | 1.02755482 | -0.87353447 | -0.51922324 |
| ## | C8.A131.01TCGA | 0.5252843 | 0.4605182 | 0.64267285 | -0.76598972 | 0.09216104 |
| ## | A0.A12B.01TCGA | -0.2635073 | -0.4658249 | 0.06352663 | 0.09401285 | -0.47136782 |
| ## | BH.A18Q.02TCGA | -0.9320530 | 0.5800596 | -0.37002888 | 0.79416401 | 0.17526836 |
| ## | C8.A130.02TCGA | 0.3980648 | 0.9622022 | 0.43086344 | 0.49646082 | 0.60141662 |
| ## | C8.A138.03TCGA | -0.9213156 | -1.0017727 | -0.96154415 | -0.30325910 | -0.06188792 |
| ## | | NP_005138 | NP_001128582 | NP_060329 | NP_060531 | NP_002780 |
| ## | A0.A12D.01TCGA | -0.57637021 | -0.6182780 | -0.5573212 | -0.2258688 | -0.2830158 |
| ## | C8.A131.01TCGA | -1.32459729 | -1.2112566 | -1.0938681 | -0.1790470 | -0.6971757 |

```

## A0.A12B.01TCGA 1.49637863 1.3993770 -1.0478344 -1.1115783 1.1194582
## BH.A18Q.02TCGA -0.54733412 -0.6242779 -1.1929928 1.0249954 0.4830435
## C8.A130.02TCGA 1.06059826 1.0605983 -0.2611889 0.4046245 0.9786015
## C8.A138.03TCGA -0.04725936 -0.1130879 1.4192534 -0.1130879 -0.3764019
## NP_001096138 NP_065773 NP_001017405 NP_005165 NP_001001973
## A0.A12D.01TCGA -0.2830158 1.2142349 1.49615999 -0.34778232 -0.47350566
## C8.A131.01TCGA -0.7093194 0.8734021 0.50099701 -1.10196383 -1.10196383
## A0.A12B.01TCGA 1.2164598 -1.9457919 -0.20530633 1.69592475 1.73195391
## BH.A18Q.02TCGA 0.4863889 -0.7246394 0.26559367 -0.45700881 -0.43359114
## C8.A130.02TCGA 1.3033086 -1.3960235 -0.01519873 0.08975708 0.09631682
## C8.A138.03TCGA -0.1606307 0.7390256 1.14496801 0.33308311 0.19776896
## NP_001096645 NP_000916 NP_001191066 NP_057039 NP_002063
## A0.A12D.01TCGA 0.93992946 0.5437104 0.8942119 0.787537531 0.5284713
## C8.A131.01TCGA 0.89364146 -0.4543029 0.4726618 1.557493936 -0.2033343
## A0.A12B.01TCGA 1.24140303 2.2529910 -1.4053545 -0.008531686 -0.6958572
## BH.A18Q.02TCGA 1.96504766 0.1117061 -0.5941695 -0.744711650 0.3124290
## C8.A130.02TCGA 0.09303695 -1.3894638 0.8703659 0.394784882 -1.8027273
## C8.A138.03TCGA 2.17993839 -0.1094307 -0.1167450 0.088054790 1.4667963
## NP_002058 NP_004288 NP_006451 NP_006388 NP_055706
## A0.A12D.01TCGA 0.85230410 -0.2030100 -0.9840186 -1.3573788 0.4065577
## C8.A131.01TCGA 0.02739495 -0.4866859 -0.5595478 0.7519656 -0.5474041
## A0.A12B.01TCGA 0.39610350 -0.9203466 0.4709333 0.4515330 0.6815653
## BH.A18Q.02TCGA 0.20537680 0.7607102 -1.7583624 0.1485053 -1.3702981
## C8.A130.02TCGA -1.88472398 -1.4911397 2.0150401 0.4243037 0.4472628
## C8.A138.03TCGA 1.02793955 1.4667963 -1.0895440 0.2489689 -0.1679450
## NP_055926 NP_001070993 NP_001070994 NP_001026871 NP_059142
## A0.A12D.01TCGA 1.90761819 0.3379813 0.3379813 0.3456009 -0.1344336
## C8.A131.01TCGA -0.69312786 0.2459805 0.4078958 -0.4381114 -1.5674701
## A0.A12B.01TCGA -1.11989271 -0.9258895 -1.0755491 0.3240452 2.7463133
## BH.A18Q.02TCGA -1.23313740 0.7406379 0.6135134 -0.8417277 0.5834049
## C8.A130.02TCGA 0.05695839 -1.1795522 -1.1861119 -0.4907797 -0.5006193
## C8.A138.03TCGA 2.89308053 -0.2154878 -0.4312590 -0.8481728 -1.3748009
## NP_055512 NP_054790 NP_659407 NP_057078 NP_060666
## A0.A12D.01TCGA -3.4756266 0.2274972 -0.56875062 0.13987184 -1.8678918
## C8.A131.01TCGA -4.0042945 0.8572105 -0.24786096 -0.34501010 -2.3891900
## A0.A12B.01TCGA -0.4685963 0.1050987 -0.64597068 -0.21916370 0.7286804
## BH.A18Q.02TCGA -0.1023983 -0.5339526 -0.06559913 0.23213985 1.0584492
## C8.A130.02TCGA -2.9769203 0.4013446 -0.01519873 -0.06439676 -1.8880038
## C8.A138.03TCGA -1.5210864 0.5525115 -0.59948737 -0.32154480 1.7739959
## NP_001036083 NP_064519 NP_001801 NP_006346 NP_077308
## A0.A12D.01TCGA -0.9078227 -1.5745373 -0.6792348 0.44084590 -0.4887449
## C8.A131.01TCGA 0.2176453 3.4235670 -0.6809842 -0.43811136 -0.2316694
## A0.A12B.01TCGA -0.7291149 0.5679349 0.2187292 0.08015548 0.2852445
## BH.A18Q.02TCGA 0.3425375 -2.2835873 -0.2529405 1.59036489 -0.1960690
## C8.A130.02TCGA 1.0507587 0.5882971 0.4341433 -0.67117250 0.3652661
## C8.A138.03TCGA -0.1167450 -0.1752592 0.6183400 0.42816873 -0.2228020
## NP_001229569 NP_683720 NP_219499 NP_001002 NP_112594
## A0.A12D.01TCGA -0.27920596 1.00088623 -1.5973961 1.0618430 -0.54970162
## C8.A131.01TCGA -0.12642453 -0.38144103 -0.7093194 -1.1991130 0.04358647
## A0.A12B.01TCGA 0.28524455 0.94208385 4.5588573 0.2353580 1.28297514
## BH.A18Q.02TCGA -0.06894451 1.43982271 -0.8718362 -0.2061052 -0.09570757
## C8.A130.02TCGA 0.36526606 -1.28450798 -0.1463935 0.7260516 0.81788797
## C8.A138.03TCGA -0.17525923 0.08074051 -0.2374306 0.1136548 -2.57799966
## NP_060979 NP_060585 NP_001001669 NP_002784 NP_000124

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## A0.A12D.01TCGA -0.4887449 -0.08490625 -0.7363817 -0.11919443 1.0427940
## C8.A131.01TCGA -0.2519088 0.30669873 -0.2033343 -0.49882958 1.9460905
## A0.A12B.01TCGA -2.5998598 -1.53838527 2.5024236 0.90051174 -1.6575586
## BH.A18Q.02TCGA -0.8116193 -0.41351885 -0.6844948 0.13846916 0.4696620
## C8.A130.02TCGA -0.4842200 0.53253937 -1.3369859 0.95564246 0.9458029
## C8.A138.03TCGA 1.4997105 -0.85914425 0.9218825 -0.06188792 -3.7373128
## NP_149098 NP_001036182 NP_054699 NP_003678 NP_849193
## A0.A12D.01TCGA -0.05442786 0.19320902 1.22947412 1.39329544 4.7497276
## C8.A131.01TCGA -1.18696933 -0.89552191 -0.76194184 -0.06570632 1.0434131
## A0.A12B.01TCGA 1.36889083 1.06402870 -0.82334501 -2.92412220 -1.6658731
## BH.A18Q.02TCGA -0.09236219 -0.09236219 0.53656960 0.89787084 -0.3432658
## C8.A130.02TCGA -0.44158168 -0.96636070 0.03399931 0.35542646 -1.8453656
## C8.A138.03TCGA -0.15331639 -0.16428781 1.44851056 1.38999633 1.1047395
## NP_057021 NP_060417 NP_071447 NP_068594 NP_660341
## A0.A12D.01TCGA 1.6942695 NA -2.8317707 -0.5573212 1.4847306
## C8.A131.01TCGA 0.7114868 NA -0.8348037 -0.9602880 -2.3527590
## A0.A12B.01TCGA -0.5628265 NA -1.9707352 -1.5245279 1.5906087
## BH.A18Q.02TCGA -0.1224706 0.2823206 2.3363850 1.6773448 0.8108909
## C8.A130.02TCGA -0.4153427 -0.8745244 -0.7170907 -1.6518533 -0.3891038
## C8.A138.03TCGA 0.4281687 -3.3386846 -2.2561714 0.3038260 -1.5357150
## NP_055323 NP_612467 NP_001165774 NP_116233 NP_056142
## A0.A12D.01TCGA 1.14565856 -0.05061807 -0.5382722 -0.5382722 -0.168721809
## C8.A131.01TCGA -0.98052741 0.13263985 1.0838919 1.0838919 0.241932634
## A0.A12B.01TCGA -1.91253424 0.54299162 -0.7263434 -0.7263434 0.005325683
## BH.A18Q.02TCGA 1.53349340 -0.25963128 -1.2632458 -1.2632458 -0.022109168
## C8.A130.02TCGA -1.12379440 0.61125623 1.1688339 1.1688339 -0.067676628
## C8.A138.03TCGA 0.01125487 -0.08383075 -0.4678304 -0.4678304 0.563482881
## NP_000598 NP_000599 NP_001008219 NP_066188 NP_057392
## A0.A12D.01TCGA 0.9399295 -0.8735345 -2.340307 0.0255779 1.4504424
## C8.A131.01TCGA -2.1989396 -3.4213996 -1.235544 -0.3612016 -0.3004834
## A0.A12B.01TCGA -1.9956785 -2.6885469 -3.143069 -0.1969919 0.4626189
## BH.A18Q.02TCGA 0.4362081 0.5332242 -8.997769 -8.9977687 -0.1793421
## C8.A130.02TCGA -0.3464655 0.5358192 -3.117955 -3.1179547 -0.6580530
## C8.A138.03TCGA -3.3057704 -3.3789131 -2.545085 -1.7807433 -1.2321724
## NP_004587 NP_937863 NP_057117 NP_071439 NP_060421
## A0.A12D.01TCGA -0.3249235 -0.82019730 0.5399006 -0.8621051 1.5494972
## C8.A131.01TCGA -0.4462071 -0.54335627 -0.2316694 -1.2679270 0.6183856
## A0.A12B.01TCGA -0.2579643 -0.64874215 1.7707545 1.0972864 -1.6547872
## BH.A18Q.02TCGA -0.6610771 -0.36668350 -0.5841333 0.3927182 -0.2629767
## C8.A130.02TCGA 0.1323954 0.65389452 -0.7630088 1.1622742 -0.8614049
## C8.A138.03TCGA 0.1246262 -0.07651647 -1.0054298 -1.9489717 1.3461107
## NP_060221 NP_001139130 NP_055900 NP_073617 NP_036555
## A0.A12D.01TCGA 1.5494972 2.1781139 -0.5420820 0.9780274 0.07129548
## C8.A131.01TCGA 0.6183856 1.3753393 1.2458071 0.6224334 3.11592809
## A0.A12B.01TCGA -1.6547872 -0.8011732 2.8017428 0.5346772 -2.76337672
## BH.A18Q.02TCGA -0.2629767 -2.9024830 0.2488668 0.2890113 -0.14254291
## C8.A130.02TCGA -0.8614049 -0.6941316 -0.8056471 -0.4711005 1.75593046
## C8.A138.03TCGA 1.3461107 -0.9542299 -2.6109139 0.7755970 -0.48245892
## NP_075567 NP_060018 NP_078969 NP_110425 NP_079223
## A0.A12D.01TCGA -1.4754826 -0.3477823 -2.3631656 1.1380390 -0.2334884
## C8.A131.01TCGA -1.1222032 -0.9440965 -1.9763061 -0.7619418 -1.2234003
## A0.A12B.01TCGA -0.2662788 -2.3365697 -0.2247066 2.1061029 0.3545314
## BH.A18Q.02TCGA -0.8684908 -0.8383823 1.2357544 -0.9420892 -0.8818723
## C8.A130.02TCGA 0.5653381 0.6178160 1.8543265 0.1619142 0.5390991

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## C8.A138.03TCGA 1.6715960 -1.6893148 -1.6271435 -0.4093161 0.9877110
## NP_932157 NP_055829 NP_003734 NP_055832 NP_777565
## A0.A12D.01TCGA -0.35159212 -0.2868256 -0.25253737 -0.1801512 -0.06585726
## C8.A131.01TCGA -0.07784996 3.0916408 0.80054020 -0.5150211 -0.91980919
## A0.A12B.01TCGA -0.51848288 -1.9180772 0.54853456 -0.4353387 1.46589242
## BH.A18Q.02TCGA 0.11170611 -1.7416354 -0.01541840 -0.4269004 -1.92897683
## C8.A130.02TCGA 1.06059826 0.4177440 0.74901072 0.8310074 1.21475210
## C8.A138.03TCGA -0.37640188 -2.1903429 0.02954056 0.5927400 0.20874038
## NP_061905 NP_008975 NP_001014402 NP_001020331 NP_038475
## A0.A12D.01TCGA 1.0808920 0.4408459 0.002719109 0.8561139 0.84849430
## C8.A131.01TCGA 1.5251109 0.8207796 0.136687730 1.1324664 0.78434868
## A0.A12B.01TCGA 0.5457631 -0.2912220 0.761938051 -0.9813190 -1.14483597
## BH.A18Q.02TCGA -0.7112578 -0.5807879 -0.714603213 1.5435295 -0.06894451
## C8.A130.02TCGA -1.6092150 -0.1988714 0.906444425 -1.0975555 -0.13655387
## C8.A138.03TCGA 1.6606246 -0.6250873 -0.862801394 -0.7933157 0.36965451
## NP_570711 NP_002570 NP_056167 NP_996531 NP_004459
## A0.A12D.01TCGA -0.03156908 -0.6754250 -0.18015120 -1.1973673 1.3971052
## C8.A131.01TCGA -0.08189784 -4.9393550 -0.15880758 -1.5188956 1.0474609
## A0.A12B.01TCGA -0.19699191 -3.5643327 1.42709178 4.9191489 -2.8492924
## BH.A18Q.02TCGA 0.35591898 -2.5947078 -0.46704495 0.5131519 -0.7748201
## C8.A130.02TCGA 0.09303695 0.3193479 -0.09391558 -0.2480694 0.9556425
## C8.A138.03TCGA -0.29594482 1.0462253 0.33308311 -4.3699979 0.6512542
## NP_001092264 NP_037458 NP_058132 NP_002525 NP_001027581
## A0.A12D.01TCGA -0.1077650 0.93992946 -2.946065 -2.946065 -2.946065
## C8.A131.01TCGA 0.8126838 0.83292325 -4.607429 -4.607429 -4.607429
## A0.A12B.01TCGA 0.6455361 -0.31893676 -2.200768 -2.200768 -2.200768
## BH.A18Q.02TCGA -0.3165028 0.09163381 -2.885756 -2.688379 -2.768668
## C8.A130.02TCGA -0.7958075 -0.09719545 -1.074596 -1.392744 -1.268109
## C8.A138.03TCGA -0.5482874 0.01856914 1.327825 1.327825 1.327825
## NP_057313 NP_061188 NP_004308 NP_060842 NP_079094
## A0.A12D.01TCGA -1.39547682 -0.8125777 -0.1611022 0.09415427 -0.2906354
## C8.A131.01TCGA -0.09808936 -0.3692974 -0.2883398 1.12032280 -1.2638791
## A0.A12B.01TCGA 1.23031714 0.2381295 1.6792959 -0.55174057 0.6067355
## BH.A18Q.02TCGA 1.16884678 -1.7048362 -0.2730128 -0.11912524 0.3525736
## C8.A130.02TCGA -1.43538195 1.4312234 1.2541105 0.58829714 -0.4842200
## C8.A138.03TCGA 1.40828203 0.7719398 -1.0310298 -0.86280139 0.7353684
## NP_003553 NP_001158889 NP_612364 NP_671517 NP_056362
## A0.A12D.01TCGA 0.8446845 0.8523041 0.46370469 -1.1592693 -1.1783183
## C8.A131.01TCGA -0.1871427 -0.1992864 -0.30857917 -0.8671867 -0.8348037
## A0.A12B.01TCGA -0.8566027 -0.8760030 2.42482238 -3.1402972 -3.1402972
## BH.A18Q.02TCGA -0.4670450 -0.8584546 0.36930051 -0.3533020 -0.3298843
## C8.A130.02TCGA -0.6744524 -0.6646128 0.03071944 0.0241597 0.1258356
## C8.A138.03TCGA 1.5874818 1.5435962 -0.36908761 -2.6840567 -3.5544558
## NP_001185987 NP_872422 NP_005820 NP_060791 NP_938204
## A0.A12D.01TCGA 0.4979929 0.7189612 -0.5458918 -0.8392463 -1.0983126
## C8.A131.01TCGA 1.1486580 1.3186690 -0.2964355 0.8774499 0.8814978
## A0.A12B.01TCGA -0.2080778 -0.3521944 0.5568490 -1.7213025 -0.8011732
## BH.A18Q.02TCGA -1.0324145 -0.3767196 -1.9155953 -0.8216554 -0.1358522
## C8.A130.02TCGA 0.8900451 1.3065884 -1.3304261 1.4771416 -0.1332740
## C8.A138.03TCGA 0.9657682 1.2290822 -1.9892003 -1.4589151 -0.4093161
## NP_001164221 NP_006298 NP_006585 NP_002819 NP_110390
## A0.A12D.01TCGA -0.3477823 -0.3477823 -1.3383298 0.006528907 0.7380102
## C8.A131.01TCGA -0.9279050 -0.9279050 0.1204962 -0.450255005 -2.8385048
## A0.A12B.01TCGA -3.3426148 -3.3426148 -0.3327941 -1.061691759 -0.8843174

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## BH.A18Q.02TCGA -0.3867558 -0.3867558 -0.6075510 1.028340736 -1.1729205
## C8.A130.02TCGA 1.2869092 1.2869092 0.1192759 0.486621210 2.2151121
## C8.A138.03TCGA 1.0389110 1.0389110 0.4903401 1.335139245 -4.5747976
## NP_055467 NP_149078 NP_076915 NP_060476 NP_005824
## AO.A12D.01TCGA 0.47132428 1.3513877 0.5132321 -0.7782895 -0.5230330
## C8.A131.01TCGA 0.55766735 0.1893102 0.5940983 -0.9360007 -0.3247707
## AO.A12B.01TCGA -0.09721885 0.5679349 0.9365409 -0.2801361 0.9670271
## BH.A18Q.02TCGA 0.14515992 0.1853045 -1.8353061 -0.3432658 -2.2768965
## C8.A130.02TCGA -0.12671427 -1.0778762 -0.7630088 -0.3300661 3.4286636
## C8.A138.03TCGA -0.40931614 -0.8298871 2.1506813 -1.5759435 -1.0749155
## NP_000345 NP_064572 NP_057126 NP_003822 NP_004613
## AO.A12D.01TCGA -1.7040705 -0.31349414 -0.7249523 -0.18015120 -0.2982549
## C8.A131.01TCGA -0.3612016 -0.69312786 -0.1142809 -0.85909098 -0.6728885
## AO.A12B.01TCGA -2.1148518 -0.83443090 0.4349041 0.93376943 -0.5351117
## BH.A18Q.02TCGA 1.2959713 2.18918824 0.2455214 -0.08567142 -3.5146878
## C8.A130.02TCGA 0.2570304 1.39514489 -0.5530972 -0.18903178 -0.1562331
## C8.A138.03TCGA -2.2049715 -0.06188792 -0.4897732 -0.36177333 1.0535395
## NP_060692 NP_037459 NP_037389 NP_056258 NP_006540
## AO.A12D.01TCGA 1.29805049 1.1723271 -2.5079379 -0.8697247 0.1436816
## C8.A131.01TCGA 1.06365246 1.7275049 -2.2313226 0.2783636 0.5374279
## AO.A12B.01TCGA -2.07605120 -1.1864081 -0.6570566 0.1577567 -0.6986287
## BH.A18Q.02TCGA -0.03214531 -0.2462498 -1.9055592 0.1217423 -1.2331374
## C8.A130.02TCGA -0.13983374 0.0241597 -0.9762003 1.3131482 0.2045525
## C8.A138.03TCGA 1.55822473 0.8633683 -3.6678271 0.1721690 1.4082820
## NP_000627 NP_002196 NP_002067 NP_001130002 NP_006207
## AO.A12D.01TCGA 0.8332551 0.4256067 -0.90020306 -3.8413672 -3.8413672
## C8.A131.01TCGA 0.1326398 2.1687240 0.69934318 1.5453503 1.5453503
## AO.A12B.01TCGA -1.4386122 -1.6049006 1.08620049 -2.2478826 -2.2478826
## BH.A18Q.02TCGA 3.9488591 -0.6677679 -0.00872764 4.4540118 4.4540118
## C8.A130.02TCGA -0.5235784 0.3095083 0.79164901 -0.3891038 -0.3891038
## C8.A138.03TCGA -0.5263446 0.5049687 -0.06188792 -0.8408586 -0.8408586
## NP_008938 NP_002451 NP_076424 NP_057256 NP_009077
## AO.A12D.01TCGA -0.2868256 1.1608978 1.56092656 -1.7002607 -0.6411368
## C8.A131.01TCGA -0.1102330 -0.2883398 0.08406528 0.4281352 -1.6808108
## AO.A12B.01TCGA 0.1050987 -1.8099897 -1.13929303 -0.4353387 -0.8150306
## BH.A18Q.02TCGA 0.1953407 3.5975940 -1.68810934 -0.5573703 -3.8157722
## C8.A130.02TCGA 0.8211678 -1.8158467 -1.71417080 -0.7597290 0.6112562
## C8.A138.03TCGA -0.3142305 -2.3329713 2.54565231 0.8414255 1.2656536
## NP_001036004 NP_002374 NP_066575 NP_061943 NP_945185
## AO.A12D.01TCGA -0.4430273 -0.3134941 1.2637623 0.006528907 0.2427364
## C8.A131.01TCGA -0.7336067 -1.2193524 0.3917042 1.071748224 1.3834351
## AO.A12B.01TCGA -0.2163922 -0.2385640 -1.6243010 -1.413668941 -2.0344791
## BH.A18Q.02TCGA -2.7084508 -2.6214709 0.7272564 -0.226177461 1.3494974
## C8.A130.02TCGA 0.5686179 0.5358192 0.7621302 1.998640758 1.5296195
## C8.A138.03TCGA 2.1177670 2.4981095 -0.3983447 -1.524743583 0.3769688
## NP_665857 NP_060513 NP_001265525 NP_208325 NP_653310
## AO.A12D.01TCGA 0.45989489 -1.8526526 0.45989489 2.8333991 0.09796406
## C8.A131.01TCGA -0.04951479 0.1366877 -1.23554391 0.4686140 0.01120342
## AO.A12B.01TCGA 0.24090096 -1.0589203 -0.08336148 -0.4242528 0.33235960
## BH.A18Q.02TCGA 0.27897520 -6.4184793 -4.92978436 -2.3906395 0.67373026
## C8.A130.02TCGA 0.07991747 1.5525786 -4.56109697 -1.7404097 -0.58261604
## C8.A138.03TCGA -0.32154480 1.7374246 1.13033945 2.4469096 -0.25937343
## NP_003666 NP_003850 NP_001624 NP_073624 NP_945339
## AO.A12D.01TCGA 0.1665404 -0.058237662 -0.85067568 -0.3439725 2.0638199

```

```

## C8.A131.01TCGA 0.1366877 0.335033895 -0.25190884 -0.7578940 0.2986030
## A0.A12B.01TCGA -1.1004924 -0.005760212 -1.73238844 -0.5766838 0.3988750
## BH.A18Q.02TCGA -0.3800650 -0.269667426 0.05148923 -1.1729205 0.7071841
## C8.A130.02TCGA 1.0638781 0.817887966 0.25047065 -1.9634408 -0.7761283
## C8.A138.03TCGA -1.0602869 0.881653988 -2.08794301 -1.5174293 -1.4954865
## NP_112197 NP_932174 NP_055594 NP_904358 NP_004080
## A0.A12D.01TCGA -1.14403014 0.45989489 0.9818372 2.1400159 0.4865635
## C8.A131.01TCGA 0.04763435 0.89768934 1.4684406 1.5453503 1.1000834
## A0.A12B.01TCGA -0.23024960 -0.29399349 -0.3411086 -0.3411086 -0.2939935
## BH.A18Q.02TCGA -0.20610517 -1.55763944 -1.7315993 -1.8252700 -1.5342218
## C8.A130.02TCGA -0.05127728 1.47058187 0.4439829 0.8014886 1.3295475
## C8.A138.03TCGA -0.39468758 0.01125487 0.3586831 1.2656536 0.7207399
## NP_006013 NP_001015881 NP_001230726 NP_006010 NP_001006934
## A0.A12D.01TCGA 1.6142637 0.04843669 2.3152666 0.6046672 -2.16124625
## C8.A131.01TCGA 1.4684406 0.88554570 3.7797806 3.3709446 -3.04089880
## A0.A12B.01TCGA -0.3411086 -0.41039540 -0.4907681 -1.7323884 -0.01684611
## BH.A18Q.02TCGA -2.3036596 -1.37364344 -2.7753584 -1.2565551 -4.33096100
## C8.A130.02TCGA 0.8014886 1.65097466 0.9884411 -1.7600890 -1.10083532
## C8.A138.03TCGA 0.9474825 0.78291123 1.2656536 -0.2447449 -0.51903031
## NP_001012997 NP_002803 NP_003550 NP_005019 NP_065071
## A0.A12D.01TCGA -3.2737073 -0.1687218 -0.6563760 -0.18777080 0.9894568
## C8.A131.01TCGA -2.8992230 -0.3733453 0.5414758 1.27009439 -0.6890800
## A0.A12B.01TCGA -0.6321133 0.2464439 0.3683888 -1.31943883 0.2104148
## BH.A18Q.02TCGA -3.1032059 0.4629712 -0.5138803 -0.44697266 -0.1090891
## C8.A130.02TCGA -0.4383018 0.5751777 0.6866932 0.56533806 0.9654821
## C8.A138.03TCGA 0.2635975 -0.3142305 0.3989116 0.09171193 0.2123975
## NP_113637 NP_060729 NP_009016 NP_001494 NP_004883
## A0.A12D.01TCGA 0.4027479 1.6904597 -0.1496728 -0.4735057 2.8372089
## C8.A131.01TCGA -0.1830949 -0.3733453 1.4724884 0.4078958 0.6669601
## A0.A12B.01TCGA 0.3351311 0.8256820 -2.6026312 -1.9014483 -2.0123073
## BH.A18Q.02TCGA -0.4871172 0.2187583 -1.4840410 -0.3666835 -1.0524868
## C8.A130.02TCGA 1.2705099 0.1750337 0.7326114 0.6998127 -0.5727764
## C8.A138.03TCGA -0.1240593 0.1246262 1.5655390 -1.0676012 2.7760521
## NP_001137160 NP_859066 NP_001002030 NP_001159884 NP_005623
## A0.A12D.01TCGA 2.51718590 0.3075030 -1.5707275 -0.5954192 -0.5992290
## C8.A131.01TCGA 0.04358647 0.3228903 -0.7862291 -1.8305824 0.4402788
## A0.A12B.01TCGA 0.17161412 1.5961517 1.0778861 4.9191489 0.9753415
## BH.A18Q.02TCGA 0.80085477 -0.5674064 1.1655014 -1.3636073 1.0718307
## C8.A130.02TCGA 0.05039865 -0.5465375 -1.5731364 -1.1926716 1.0671580
## C8.A138.03TCGA 1.26931074 0.1648547 0.1758261 0.4171973 1.6789103
## NP_004696 NP_001265432 NP_057439 NP_001138304 NP_001106962
## A0.A12D.01TCGA -0.96115983 3.1267536 -0.8392463 -0.5497016 1.2447133
## C8.A131.01TCGA -0.53526050 1.4603448 -0.7255109 -2.1260777 -0.2964355
## A0.A12B.01TCGA -0.70140015 -3.5698756 -0.5766838 1.1776591 -0.3383371
## BH.A18Q.02TCGA 0.24886676 0.7707463 0.5499511 -4.5651377 -1.1327759
## C8.A130.02TCGA 0.55877833 -1.7371299 1.4869812 0.8867652 -0.2349499
## C8.A138.03TCGA -0.01068797 2.3810810 -1.2833724 -2.0769716 1.6569675
## NP_570899 NP_057060 NP_060158 NP_056131 NP_001230575
## A0.A12D.01TCGA 0.30750296 -1.7154999 -0.8925835 -0.2525374 -1.42214540
## C8.A131.01TCGA -0.03332327 -0.1142809 -2.0936947 0.2743157 -0.91576131
## A0.A12B.01TCGA 0.80628163 1.1471729 1.3855197 -0.5683694 0.34898844
## BH.A18Q.02TCGA 0.46631658 -0.1391975 -2.4274387 -1.0825952 -0.83503696
## C8.A130.02TCGA -0.26446876 -0.8745244 -3.2130709 1.4541825 1.17211380
## C8.A138.03TCGA 1.03891097 0.2635975 -0.2191449 2.5675951 -0.05823078

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_056345 | NP_060703 | NP_076956 | NP_001186744 | NP_001186745 |
| ## | AO.A12D.01TCGA | 1.6866499 | -1.0754538 | 1.6066441 | 0.42560670 | 0.42560670 |
| ## | C8.A131.01TCGA | 0.7438699 | -0.1021372 | 0.5252843 | -0.08594572 | -0.08594572 |
| ## | AO.A12B.01TCGA | 1.4686639 | -1.0506059 | -0.6653710 | -0.61825594 | -0.61825594 |
| ## | BH.A18Q.02TCGA | -1.1327759 | -0.2462498 | -1.4405511 | -0.77482009 | -0.77482009 |
| ## | C8.A130.02TCGA | 1.1393151 | -0.5858959 | 1.2803495 | 1.46402213 | 1.46402213 |
| ## | C8.A138.03TCGA | -1.0493155 | -0.4970875 | 1.0791395 | 0.43548301 | 0.43548301 |
| ## | | NP_001180237 | NP_001123237 | NP_079148 | NP_001138347 | NP_001138348 |
| ## | AO.A12D.01TCGA | -0.85829528 | 1.614264 | 0.3341715 | -0.47731546 | NA |
| ## | C8.A131.01TCGA | -0.01713175 | 1.270094 | 2.5937515 | 1.58987698 | NA |
| ## | AO.A12B.01TCGA | 3.15926295 | -3.162469 | -1.2556949 | -1.08663502 | NA |
| ## | BH.A18Q.02TCGA | -2.02264752 | -1.106013 | 0.0213808 | 0.15519607 | 0.1551961 |
| ## | C8.A130.02TCGA | 0.05367852 | -1.038518 | -0.8056471 | -0.84172568 | -1.1697126 |
| ## | C8.A138.03TCGA | 0.68051133 | 0.830454 | -1.5174293 | 0.02954056 | -1.0932012 |
| ## | | NP_037498 | NP_073615 | NP_116038 | NP_060716 | NP_065715 |
| ## | AO.A12D.01TCGA | 0.2503560 | -0.9573500 | -1.3764278 | -0.56113102 | -2.999402 |
| ## | C8.A131.01TCGA | -0.5069253 | 0.4888534 | -0.2357173 | -0.56764355 | -2.073455 |
| ## | AO.A12B.01TCGA | -0.1775916 | 0.2492154 | -1.5744144 | 2.19479004 | -1.219666 |
| ## | BH.A18Q.02TCGA | -0.9387438 | -0.6978763 | -1.1729205 | -0.75140241 | -2.072828 |
| ## | C8.A130.02TCGA | 0.2996687 | 0.6374952 | -0.0184786 | 0.08647721 | -3.049077 |
| ## | C8.A138.03TCGA | 0.5415400 | 0.2379975 | -1.7258862 | -0.47514464 | 4.045079 |
| ## | | NP_006419 | NP_003911 | NP_008909 | NP_849192 | NP_004778 |
| ## | AO.A12D.01TCGA | -0.1687218 | -2.74414537 | 0.1436816 | NA | 2.5133761 |
| ## | C8.A131.01TCGA | -1.3853155 | 0.80054020 | 0.1690708 | NA | -3.5630754 |
| ## | AO.A12B.01TCGA | 1.5434937 | -1.70190222 | -0.7263434 | NA | -1.1808651 |
| ## | BH.A18Q.02TCGA | 0.6603487 | 0.81423630 | -0.6644225 | NA | 1.1119753 |
| ## | C8.A130.02TCGA | -0.3497454 | 0.03399931 | 0.2143921 | NA | -0.7138108 |
| ## | C8.A138.03TCGA | -0.8225729 | -0.03263080 | 0.1465690 | -0.00337369 | 1.2400536 |
| ## | | NP_003052 | NP_443097 | NP_001978 | NP_938022 | NP_705718 |
| ## | AO.A12D.01TCGA | 0.5475202 | -0.2982549 | -0.6182780 | 0.006528907 | 0.1855894 |
| ## | C8.A131.01TCGA | -3.9759593 | 0.6629123 | 0.1974059 | 2.245633694 | 0.5333801 |
| ## | AO.A12B.01TCGA | -5.0165850 | 0.7924243 | -0.9951764 | -2.694089872 | -1.7573317 |
| ## | BH.A18Q.02TCGA | NA | 0.3927182 | 1.9683930 | 0.278975200 | 1.3996781 |
| ## | C8.A130.02TCGA | NA | 2.0117602 | 0.3685459 | -0.366144695 | -0.5858959 |
| ## | C8.A138.03TCGA | NA | 1.0571967 | -0.7348015 | -0.186230648 | -0.9542299 |
| ## | | NP_065130 | NP_003647 | NP_001191732 | NP_001136151 | NP_066284 |
| ## | AO.A12D.01TCGA | 0.2541658 | -1.083073368 | 2.2162118 | 2.3076470 | 0.01414850 |
| ## | C8.A131.01TCGA | 0.5940983 | 0.015251302 | -0.2761961 | -0.3045313 | -0.96433588 |
| ## | AO.A12B.01TCGA | -1.7573317 | 0.008097157 | -1.2252087 | -1.2113513 | -0.69585721 |
| ## | BH.A18Q.02TCGA | 1.6706541 | 1.132047574 | -1.6312378 | -2.5344909 | -0.94208918 |
| ## | C8.A130.02TCGA | -0.5465375 | 0.155354455 | -1.3041872 | -1.0713165 | 0.07335773 |
| ## | C8.A138.03TCGA | -1.0200584 | -0.705544409 | 1.1851965 | 1.1522823 | 2.91502337 |
| ## | | NP_932349 | NP_002073 | NP_005299 | NP_892027 | NP_258260 |
| ## | AO.A12D.01TCGA | -0.26777656 | -0.2334884 | 0.20844821 | -4.0166180 | 0.1246326 |
| ## | C8.A131.01TCGA | -1.04529350 | 1.7558401 | -0.02927539 | 7.7224166 | -0.1466639 |
| ## | AO.A12B.01TCGA | -0.68477131 | -1.2778667 | -0.41870982 | -0.9286610 | -1.0312055 |
| ## | BH.A18Q.02TCGA | -0.87183616 | 0.8008548 | 0.38268204 | -3.6986838 | 0.9413608 |
| ## | C8.A130.02TCGA | -0.04471755 | -0.8614049 | -0.35958496 | 0.2603103 | -1.0417977 |
| ## | C8.A138.03TCGA | 1.70816744 | 0.3623402 | -0.45320181 | -2.3219999 | 1.3168535 |
| ## | | NP_073557 | NP_002296 | NP_060058 | NP_061942 | NP_789782 |
| ## | AO.A12D.01TCGA | -0.2525374 | 0.4256067 | -1.1745085 | -0.61827799 | -0.59922900 |
| ## | C8.A131.01TCGA | -0.3207228 | 1.1850889 | -0.7376546 | -2.12607771 | 0.48480549 |
| ## | AO.A12B.01TCGA | -0.7208005 | -0.8094876 | -0.3217082 | 0.06629811 | 0.34621697 |
| ## | BH.A18Q.02TCGA | 0.5432604 | 0.4395535 | 0.6202041 | 1.45320423 | -0.58747870 |

```

## C8.A130.02TCGA 1.6772136 0.2832693 0.1947129 0.27342973 -0.44486155
## C8.A138.03TCGA -0.5665731 0.4574258 -0.1313736 -0.12040214 -0.06554506
## NP_005616 NP_001007070 NP_001092084 NP_057037 NP_689545
## A0.A12D.01TCGA -0.008710286 -0.008710286 -2.4050733 0.1855894 2.3838430
## C8.A131.01TCGA 1.164849486 1.164849486 -0.8226600 -0.3612016 -1.1991130
## A0.A12B.01TCGA -0.510168458 -0.510168458 -2.0261647 1.0695717 -0.4879967
## BH.A18Q.02TCGA -0.376719645 -0.426900373 0.4194812 -0.1325068 -4.0164951
## C8.A130.02TCGA 0.932683376 0.899884687 0.3685459 1.6706539 -2.0355979
## C8.A138.03TCGA -1.992857396 -1.963600282 1.1778823 -0.2301163 3.8037082
## NP_060563 NP_076952 NP_057370 NP_067636 NP_064547
## A0.A12D.01TCGA -0.02013968 -0.3592117 -0.57637021 0.2655952 -1.2964221
## C8.A131.01TCGA -0.10213725 2.6989964 -2.49038699 0.5293322 -0.8388516
## A0.A12B.01TCGA -0.64597068 0.2907875 1.05848576 -1.1614648 -0.6819998
## BH.A18Q.02TCGA 0.24552138 -1.0591775 -0.37671964 1.3160436 1.2993167
## C8.A130.02TCGA 1.26067026 1.0409190 0.05039865 -0.9138828 0.7719698
## C8.A138.03TCGA 0.69513989 -0.4239447 -1.02737266 -0.3873733 -1.0529726
## NP_002845 NP_690866 NP_001834 NP_000098 NP_004290
## A0.A12D.01TCGA -5.20146518 1.1151802 3.9572896 -1.4335748 2.0028631
## C8.A131.01TCGA -6.08085738 0.3188424 0.1124004 -0.6121702 -1.7779599
## A0.A12B.01TCGA -3.16246896 0.6067355 1.9398144 1.2940610 -1.1559219
## BH.A18Q.02TCGA -0.04552684 0.6570033 -5.2308687 2.4334011 -0.8484185
## C8.A130.02TCGA -1.29106772 0.4505427 0.9523626 -1.2779482 -2.2389498
## C8.A138.03TCGA 5.51890645 -0.7640586 -1.3748009 -0.7238301 2.7906806
## NP_942600 NP_060286 NP_006527 NP_004172 NP_079089
## A0.A12D.01TCGA -0.9840186 0.0217681 8.506189 -1.18593792 1.12660957
## C8.A131.01TCGA 0.1731187 1.7396486 2.897343 0.05573011 -0.89956979
## A0.A12B.01TCGA 0.8727970 -1.2362946 -1.266781 -4.12971334 -0.87323153
## BH.A18Q.02TCGA -0.2228321 -0.4068281 -4.193800 -3.44108943 -1.58105711
## C8.A130.02TCGA 0.2898291 2.1298355 -6.046878 -0.36942456 -0.08735584
## C8.A138.03TCGA -0.2922877 -2.0257716 2.337195 -1.84657183 -0.95057273
## NP_036300 NP_001837 NP_001186512 NP_005861 NP_068750
## A0.A12D.01TCGA -3.11369579 -0.7363817 -1.0221166 -0.1153846 -0.16491201
## C8.A131.01TCGA -3.84237922 0.5252843 -0.6607448 -0.6931279 -0.57169143
## A0.A12B.01TCGA 0.93099796 -1.2113513 2.5162810 -0.4214813 -0.06673264
## BH.A18Q.02TCGA -0.47708110 0.4897343 -2.5645994 -1.7449808 0.49307964
## C8.A130.02TCGA 2.27414974 0.5259796 2.2183920 1.0048405 0.25375052
## C8.A138.03TCGA 0.02954056 -0.9578870 0.9401682 0.5415400 -0.41297328
## NP_060106 NP_663615 NP_060140 NP_112485 NP_055138
## A0.A12D.01TCGA 2.6352896 0.3227422 -1.12498115 -2.6108024 -0.6982838
## C8.A131.01TCGA 0.9381682 -1.2193524 -0.60002660 -1.9115400 -0.8428995
## A0.A12B.01TCGA -2.0261647 -0.7235719 0.50419098 0.8145961 -0.5600550
## BH.A18Q.02TCGA -1.3702981 2.4467826 -1.65465552 -0.2161413 -0.5607156
## C8.A130.02TCGA -0.6842920 -2.0224785 1.12947551 -0.4120629 1.3885851
## C8.A138.03TCGA 1.4082820 0.0331977 0.02588342 0.6366257 -0.6470302
## NP_114440 NP_005099 NP_001035374 NP_001165276 NP_003120
## A0.A12D.01TCGA -0.6982838 0.31131276 0.16654043 1.03898421 3.7439409
## C8.A131.01TCGA -0.8428995 0.58600251 0.13263985 0.03144283 2.0230002
## A0.A12B.01TCGA -0.5600550 1.66266706 -0.15819127 0.17992854 -1.9762781
## BH.A18Q.02TCGA -0.3834104 -1.39037035 0.59009571 0.04814385 -0.1057437
## C8.A130.02TCGA 1.3885851 0.05695839 -0.50061932 -1.23530995 1.7067324
## C8.A138.03TCGA -0.8116014 -1.54302928 0.02954056 -0.27034485 1.3168535
## NP_899646 NP_057584 NP_058634 NP_828847 NP_001020092
## A0.A12D.01TCGA -0.69066416 -0.5763702 2.2466902 6.749872 0.60466722
## C8.A131.01TCGA -0.91980919 -0.9360007 1.0596046 -1.810343 -0.66479269

```

```

## A0.A12B.01TCGA 1.56289400 -2.2063105 -2.0123073 -2.785549 -0.70417163
## BH.A18Q.02TCGA 0.43286276 -0.9220169 -1.0959767 -2.450856 -0.02210917
## C8.A130.02TCGA -0.05127728 0.8802055 0.7752497 -4.033038 0.59813675
## C8.A138.03TCGA 0.05879768 0.8816540 1.2912536 2.860166 0.22702608
## NP_077306 NP_000285 NP_001245388 NP_002416 NP_002413
## A0.A12D.01TCGA -2.0469523 0.16273063 NA -1.6545431 -0.3820705
## C8.A131.01TCGA 0.2702678 -0.02927539 NA -3.0611382 0.4605182
## A0.A12B.01TCGA -0.9702331 -0.22747812 NA -2.4335713 -0.9203466
## BH.A18Q.02TCGA -1.8152338 -0.48042648 0.6436218 4.5844817 -0.6376594
## C8.A130.02TCGA -1.6223345 -0.28414797 1.3623462 -0.8122069 1.1950729
## C8.A138.03TCGA 2.2494240 0.44279729 0.6110257 0.6366257 0.1136548
## NP_009214 NP_056399 NP_872282 NP_057665 NP_758454
## A0.A12D.01TCGA 0.36464993 2.3838430 -0.5992290 0.79134733 4.9745057
## C8.A131.01TCGA 0.60219404 -0.2964355 -1.5067519 -0.02927539 -0.4785902
## A0.A12B.01TCGA 1.20260240 0.8201390 1.0529428 2.13381762 2.4220509
## BH.A18Q.02TCGA -0.06559913 -0.6911855 1.0216500 0.76740095 0.1585415
## C8.A130.02TCGA -1.60921500 0.9064444 -0.3792642 1.50994030 -1.1926716
## C8.A138.03TCGA -2.53777113 -1.0383441 0.9145682 -0.84451570 -0.5409731
## NP_001400 NP_079108 NP_612451 NP_004119 NP_001257817
## A0.A12D.01TCGA 2.2047824 0.89421188 0.2236874 -0.4544567 -1.3421396
## C8.A131.01TCGA 2.0351439 1.94609050 -0.6000266 0.4767097 -1.2031609
## A0.A12B.01TCGA -0.3993095 -1.30558146 0.3018734 -0.1637342 -0.1775916
## BH.A18Q.02TCGA -1.4539326 1.28928052 -1.9055592 0.1183969 1.0617946
## C8.A130.02TCGA 0.1586343 -0.05127728 2.3200679 1.4279436 -0.2480694
## C8.A138.03TCGA 0.3074831 -0.93594418 -0.7055444 0.1209690 0.4610830
## NP_001257882 NP_077321 NP_001123952 NP_758961 NP_006865
## A0.A12D.01TCGA -1.04116559 -0.45064687 -0.1115748 -0.20300999 -0.6258976
## C8.A131.01TCGA -0.98052741 0.02334706 -0.6486012 0.05168223 -0.8226600
## A0.A12B.01TCGA -0.22470665 -0.44365309 -1.9513349 0.03304042 0.5291342
## BH.A18Q.02TCGA 0.83096321 -0.16261521 -1.8620692 -0.08232604 0.3425375
## C8.A130.02TCGA -0.22839020 -0.35958496 -0.9368419 -0.94996135 -0.7728484
## C8.A138.03TCGA -0.06554506 0.48302582 -1.1078297 1.09011092 0.5159401
## NP_973728 NP_001412 NP_056326 NP_006315 NP_001352
## A0.A12D.01TCGA -0.6258976 -1.2240359 -0.5725604 0.0217681 1.0275548
## C8.A131.01TCGA -0.8226600 -0.9886232 -0.4381114 2.3346871 0.4686140
## A0.A12B.01TCGA 0.5291342 -0.3605089 -0.3106223 -1.4386122 0.3046449
## BH.A18Q.02TCGA 0.3425375 0.3425375 -0.4168642 -1.7315993 2.2962405
## C8.A130.02TCGA -0.7728484 -0.2710285 0.4144641 1.9986408 -1.3009073
## C8.A138.03TCGA 0.5159401 1.1486251 1.2290822 0.1465690 -0.2593734
## NP_060654 NP_620150 NP_031385 NP_071941 NP_659453
## A0.A12D.01TCGA 1.42758362 1.24852311 2.3990822 -0.31349414 9.359583
## C8.A131.01TCGA 0.26217204 -0.20738215 -0.1385682 -0.02522751 5.378694
## A0.A12B.01TCGA -0.08613295 -0.13047654 -0.6431992 0.30464486 -1.097721
## BH.A18Q.02TCGA -0.77816547 -0.07898066 -2.5645994 0.50311578 3.694610
## C8.A130.02TCGA -1.06475676 -0.79252765 1.3492267 -0.58917578 -3.721451
## C8.A138.03TCGA 0.89262541 0.81216834 1.0535395 0.22336894 -7.979594
## NP_001180500 NP_001312 NP_064508 NP_000095 NP_002475
## A0.A12D.01TCGA 1.1723271 3.42010806 2.8524481 0.9056413 -1.6316843
## C8.A131.01TCGA -0.7255109 2.52898536 -0.4664465 1.1162749 -0.6931279
## A0.A12B.01TCGA -1.6658731 -2.56105913 -0.8482883 -1.9402490 1.2192312
## BH.A18Q.02TCGA 2.9753530 0.08828843 0.5800596 1.5334934 -0.1258160
## C8.A130.02TCGA -0.8679646 -0.17263243 -1.1959515 -0.6121349 -0.3071071
## C8.A138.03TCGA 1.1010823 1.86542442 1.4814248 0.9913682 0.7719398
## NP_003600 NP_001184252 NP_002834 NP_001189488 NP_002019

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## A0.A12D.01TCGA -1.2278457 -1.4488140 -0.8354365 -0.4887449 -0.549701625
## C8.A131.01TCGA -0.8995698 -2.2515620 1.7234571 -0.1588076 -0.243813077
## A0.A12B.01TCGA -0.6043986 -1.4690984 -1.1559219 -0.7679155 -0.493539614
## BH.A18Q.02TCGA -0.1358522 0.2488668 0.1485053 -0.0154184 -0.002036877
## C8.A130.02TCGA 0.5292595 0.9162840 -1.1565931 0.1159960 -0.484219974
## C8.A138.03TCGA 1.8690816 1.4997105 -1.5174293 -0.3873733 -0.365430467
## NP_001190992 NP_075050 NP_542199 NP_000382 NP_006103
## A0.A12D.01TCGA -0.4277881 0.5818084 0.02938770 -0.2753962 -1.1630791
## C8.A131.01TCGA 1.0069821 0.1124004 -1.15863417 1.3915308 -0.2842919
## A0.A12B.01TCGA -0.7429723 0.6316788 -2.54997323 0.9060547 -0.1942204
## BH.A18Q.02TCGA -0.3332297 0.1618868 -0.74471165 -0.4168642 -0.4737357
## C8.A130.02TCGA 0.3029486 -0.3333460 0.71293216 -0.1201545 -0.5530972
## C8.A138.03TCGA -0.4861161 0.5269115 -0.09480217 -0.8225729 -0.3581162
## NP_982281 NP_001018119 XP_003846661 NP_000066 NP_057301
## A0.A12D.01TCGA -1.1630791 -1.9898053 1.583785347 -1.3764278 -0.1153846
## C8.A131.01TCGA -0.2842919 -1.6362841 0.298602967 -0.8024206 0.5293322
## A0.A12B.01TCGA -0.1942204 -1.5356138 1.377205252 -0.5434261 -0.2191637
## BH.A18Q.02TCGA -0.4737357 -1.2364828 0.004653887 1.3361159 1.1855737
## C8.A130.02TCGA -0.5530972 2.7956489 0.562058194 -0.7859679 -0.4612609
## C8.A138.03TCGA -0.3581162 -0.9505727 1.550910456 -0.4714875 -0.2081735
## NP_004872 NP_001638 NP_005964 NP_060850 NP_085131
## A0.A12D.01TCGA -0.7440013 7.2413356 -0.35540192 -0.4392175 0.26940498
## C8.A131.01TCGA 2.1849155 0.4929013 0.08811316 -0.3288186 0.38765635
## A0.A12B.01TCGA -2.6608322 -1.3000385 -0.01961758 0.6704794 0.34344550
## BH.A18Q.02TCGA 0.5867503 -0.2663220 -0.99896067 0.5800596 0.06487076
## C8.A130.02TCGA 0.2931089 0.2898291 0.29966868 -0.6121349 0.83756718
## C8.A138.03TCGA 0.6219971 -3.7190271 -0.60680165 1.8544530 0.57079716
## NP_663612 NP_004077 NP_612373 NP_115737 NP_001092315
## A0.A12D.01TCGA 3.5420216 NA 0.783727733 -0.9383010 -2.4507909
## C8.A131.01TCGA -0.6000266 NA -0.004988103 -0.7821812 1.6586910
## A0.A12B.01TCGA -2.0843656 NA -0.504625510 -1.3887257 -3.1707834
## BH.A18Q.02TCGA 0.9413608 3.1526582 0.456280438 -0.4603542 5.7720922
## C8.A130.02TCGA -0.9794802 -0.7695686 -0.192311645 0.2832693 -0.3759843
## C8.A138.03TCGA 0.5378829 NA -0.990801264 0.3952545 2.6809665
## NP_001035173 NP_689594 NP_001186072 NP_001258762 NP_079177
## A0.A12D.01TCGA -2.4165027 1.4237738 2.7038660 -0.6449466 -1.10593216
## C8.A131.01TCGA 1.7922710 0.7438699 0.7276783 -0.9926710 -0.35310586
## A0.A12B.01TCGA -3.1430686 -1.3083529 0.3212737 0.1910144 0.08292695
## BH.A18Q.02TCGA 5.7821284 -3.1433504 -1.2063743 -1.8888322 -1.78847079
## C8.A130.02TCGA -0.2907077 -0.9696406 -0.8712445 -1.7732084 -1.81256686
## C8.A138.03TCGA 2.7431378 0.7243970 4.7106787 0.4208545 0.41719731
## NP_006811 NP_055161 NP_001139287 NP_003004 NP_004640
## A0.A12D.01TCGA -6.58442192 0.6427652 -0.6792348 -0.7059034 -0.3896901
## C8.A131.01TCGA -4.59933296 0.4767097 -0.4664465 -1.0371977 -1.2436397
## A0.A12B.01TCGA -3.59204741 -0.1415624 -0.3327941 -3.7361640 2.8571723
## BH.A18Q.02TCGA 3.56414019 0.6335857 -0.2328682 -1.9992298 -0.4436273
## C8.A130.02TCGA 1.55257859 0.2439109 -0.1791922 2.1757537 -0.2546292
## C8.A138.03TCGA -0.00337369 0.7134256 0.1136548 3.2843944 -1.7002863
## NP_036539 NP_775813 NP_001001974 NP_004830 NP_004263
## A0.A12D.01TCGA -0.9268716 -0.3820705 0.3798891 0.5094223 0.50942226
## C8.A131.01TCGA -1.0331499 2.0230002 -0.3733453 1.2053283 0.50909278
## A0.A12B.01TCGA 2.8045143 -0.9369754 -0.1332480 -0.7679155 -0.68754279
## BH.A18Q.02TCGA -2.0326837 1.7308709 1.2859351 0.6837664 -0.09905295
## C8.A130.02TCGA -0.7072511 1.3065884 0.1258356 1.2967488 -1.48457998

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## C8.A138.03TCGA -0.5446303 -0.4824589 0.1282833 -1.2760581 -0.28497341
## NP_005814 NP_037536 NP_000178 NP_001303 NP_001257766 NP_000172
## AO.A12D.01TCGA NA NA 5.149756 1.2180447 1.3094799 0.1132033
## C8.A131.01TCGA NA NA -1.725337 0.4119436 0.4362309 0.3309860
## AO.A12B.01TCGA NA NA -2.378142 -0.3355656 -0.3161653 2.5301384
## BH.A18Q.02TCGA NA NA -3.715411 -0.4904626 -0.5239164 -1.7416354
## C8.A130.02TCGA NA NA 2.064238 -1.3665047 -1.4550612 2.3266276
## C8.A138.03TCGA -2.135486 -2.135486 -4.472398 5.8041633 5.7346777 -1.1663439
## NP_057111 NP_777571 NP_001433 NP_002668 NP_000108
## AO.A12D.01TCGA 1.3818660 1.69426949 -8.268353 -11.8038454 1.60283434
## C8.A131.01TCGA -0.5393084 0.03549071 -6.809476 -8.7565067 -0.06165844
## AO.A12B.01TCGA 0.3683888 0.63445025 -4.720037 -6.3829216 -2.48345786
## BH.A18Q.02TCGA -1.0558322 -1.84534228 -0.169306 -0.1626152 -0.36668350
## C8.A130.02TCGA 3.2810695 1.78872915 -1.671533 -2.1044752 -0.50389919
## C8.A138.03TCGA -2.9546850 1.44851056 -1.766115 -2.3293142 0.72073986
## NP_004888 NP_079527 NP_443115 NP_057637 NP_002778
## AO.A12D.01TCGA -1.0297362 -0.1115748 0.2922638 -0.83162669 -0.3363529
## C8.A131.01TCGA -1.1667299 0.9988864 -0.1466639 -0.30453129 -0.7700376
## AO.A12B.01TCGA 0.2409010 0.0136401 -0.1083047 0.06906958 1.0501713
## BH.A18Q.02TCGA 0.8476901 -0.5439887 0.9881962 -0.62427790 0.1518507
## C8.A130.02TCGA 0.7391711 -1.4222625 0.4079044 -0.15951296 0.8605263
## C8.A138.03TCGA -0.4641732 2.6773093 -1.0383441 -0.52268745 -0.2045163
## NP_055488 NP_006758 NP_001446 NP_002006 NP_005929
## AO.A12D.01TCGA 0.66181419 0.63895540 -1.3307102 0.34560094 0.3036932
## C8.A131.01TCGA 0.61028980 0.39575211 -0.5433563 0.42408728 0.4240873
## AO.A12B.01TCGA -0.65982805 -0.07504706 -0.8760030 -0.62379889 -0.6237989
## BH.A18Q.02TCGA 1.56025645 -0.04218146 0.5566419 0.42282662 0.8242724
## C8.A130.02TCGA 0.21767196 0.46038226 -0.1890318 -0.20215125 -0.1791922
## C8.A138.03TCGA -0.01068797 -0.69457299 1.1339966 0.09536907 2.0775385
## XP_002342143 XP_003960170 NP_002183 NP_001116293 NP_003002
## AO.A12D.01TCGA 0.4751341 0.4751341 0.3722695 0.1665404 -0.02775928
## C8.A131.01TCGA -0.2316694 -0.2316694 0.3107466 -1.1707778 -1.47436888
## AO.A12B.01TCGA -0.8815460 -0.8815460 -2.2007675 -0.3411086 -0.44642456
## BH.A18Q.02TCGA 1.0283407 1.0283407 -2.3906395 -0.4770811 -0.83169158
## C8.A130.02TCGA -0.8154867 -0.8154867 0.5948569 -0.6580530 -0.41534273
## C8.A138.03TCGA 0.4501116 0.4501116 1.6057675 0.6439399 0.77559695
## NP_001234930 NP_115547 NP_001070667 NP_060616 NP_002788
## AO.A12D.01TCGA -0.02775928 -2.0202837 0.30750296 -0.6830446 -1.68121168
## C8.A131.01TCGA -1.49460828 -0.5635957 -0.95219224 -0.9967189 0.25812416
## AO.A12B.01TCGA -0.19144896 -1.7822750 1.12777260 1.8344984 0.15498527
## BH.A18Q.02TCGA -0.31315739 -0.2362136 -0.01876379 -0.5138803 -2.84561146
## C8.A130.02TCGA -0.72693027 -0.3366259 0.52269977 0.9261236 2.65789440
## C8.A138.03TCGA 0.34039739 1.4887391 0.47205440 -0.1167450 0.05514054
## NP_001124197 NP_009171 NP_001128659 NP_000299 NP_004773
## AO.A12D.01TCGA -1.84122320 0.5322811 1.2447133 -0.961159827 -0.30587454
## C8.A131.01TCGA 0.10025680 -0.6890800 2.2294422 1.901563815 -0.52716474
## AO.A12B.01TCGA -0.52125435 0.2381295 -0.2191637 -1.632615377 1.86498465
## BH.A18Q.02TCGA -2.88575604 0.5198427 0.2287945 0.476352729 -0.83503696
## C8.A130.02TCGA 2.45782240 -0.6646128 -0.3923836 0.007760356 0.05367852
## C8.A138.03TCGA -0.04360222 0.1319405 -0.9725156 0.333083114 -1.36017232
## NP_076983 NP_003695 NP_003266 NP_037485 NP_060376
## AO.A12D.01TCGA -0.6830446 -0.11157484 -1.2392751 NA -1.44881399
## C8.A131.01TCGA -0.8388516 0.50504489 1.3915308 NA -0.84694734
## AO.A12B.01TCGA -1.3360677 -0.86491711 -0.2524214 NA -0.85383122

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## BH.A18Q.02TCGA 0.2087222 -0.52391645 -0.8250008 -0.5607156 0.82761783
## C8.A130.02TCGA 0.6670140 -0.44814142 -2.1602330 -2.5603770 1.11307616
## C8.A138.03TCGA -0.9798298 -0.08748789 -1.4333151 NA 0.08074051
## NP_005527 NP_005993 NP_001135442 NP_055682 NP_149989
## AO.A12D.01TCGA -0.2372982 0.5551398 0.3075030 -0.06204746 0.6237162
## C8.A131.01TCGA 0.3026508 2.0270481 -0.4178720 2.90139040 0.4848055
## AO.A12B.01TCGA 1.1582588 2.1061029 0.5790208 -1.56887148 -1.4053545
## BH.A18Q.02TCGA 0.2555575 1.8981400 0.8878347 -0.77147471 -4.4614309
## C8.A130.02TCGA -0.9073231 -0.6842920 0.7916490 -1.18611191 1.0474788
## C8.A138.03TCGA -1.1114869 0.2526261 -1.0712583 -1.46988649 2.4834809
## NP_009125 NP_665861 NP_060826 NP_060423 NP_079150
## AO.A12D.01TCGA -0.01252008 -0.4925547 -2.2412520 -1.7459782 0.06748568
## C8.A131.01TCGA 1.31462108 0.5374279 -1.1626820 -0.3935847 -1.36102821
## AO.A12B.01TCGA 0.27138717 0.2713872 1.8261840 -1.2224372 -1.34161062
## BH.A18Q.02TCGA -0.86849078 -0.7212940 -0.3733743 1.6238187 -0.28973972
## C8.A130.02TCGA 1.19835275 1.1753937 0.7030926 0.1520746 -1.28778785
## C8.A138.03TCGA -0.43491611 -0.4349161 -2.3695427 1.8763958 1.34611066
## NP_005302 NP_008879 NP_612441 NP_004881 NP_001000
## AO.A12D.01TCGA 1.4237738 1.1342292 -0.1763414 -1.07164397 0.73420036
## C8.A131.01TCGA 1.6465473 -0.3045313 -1.2112566 0.03144283 -0.04141903
## AO.A12B.01TCGA 0.3656173 1.2026024 -1.3194388 0.55684899 -1.07554913
## BH.A18Q.02TCGA -1.1428121 0.8543809 -0.9889245 -1.21975587 -0.52391645
## C8.A130.02TCGA 2.6119762 -1.3271463 -0.4219025 1.43450331 1.35906633
## C8.A138.03TCGA -3.9933125 -1.8392576 -2.1574287 1.24371077 0.47205440
## NP_005567 NP_113608 NP_060864 NP_000953 NP_003721
## AO.A12D.01TCGA 0.8218257 -0.5916094 -0.7744797 -0.06966706 -0.6678054
## C8.A131.01TCGA 0.2581242 -1.2760227 -1.9682104 0.70339106 1.1122270
## AO.A12B.01TCGA -2.0233932 1.9980154 1.8982423 -0.88986038 2.7740281
## BH.A18Q.02TCGA -0.7012217 0.7004933 1.2859351 -0.54398874 -1.5609848
## C8.A130.02TCGA -0.1103149 -0.6252543 -1.0975555 0.11927590 -0.5399777
## C8.A138.03TCGA -0.2813163 -1.2431439 0.1575404 0.13559760 1.0133110
## NP_064711 NP_653324 NP_064535 NP_001028675 NP_071446
## AO.A12D.01TCGA -0.4201685 -0.7744797 1.40472483 0.4027479 -1.3421396
## C8.A131.01TCGA 0.4078958 -1.3488846 -0.34096222 -0.4462071 -1.5269913
## AO.A12B.01TCGA 1.9536718 -0.4103954 0.66493647 2.3638500 2.4220509
## BH.A18Q.02TCGA 0.2622483 -6.4151339 -0.93874380 -1.1963382 0.5265335
## C8.A130.02TCGA -0.6318141 0.9786015 0.05039865 -0.5760563 -0.1004753
## C8.A138.03TCGA -1.8502290 1.9019958 0.95479677 1.2071394 -0.9688584
## NP_001129465 NP_694943 NP_000395 NP_078782 NP_598001
## AO.A12D.01TCGA -0.29825495 -0.29825495 -0.08109645 -0.07728665 0.65800439
## C8.A131.01TCGA -2.28394507 -2.28394507 2.05133541 1.21747194 1.07984399
## AO.A12B.01TCGA 1.32177577 1.32177577 0.17438559 0.72590889 1.01137070
## BH.A18Q.02TCGA -0.06894451 -0.06894451 0.11839687 0.74398328 0.96143310
## C8.A130.02TCGA 0.16519406 0.16519406 -0.18247204 -0.24806942 -0.56949657
## C8.A138.03TCGA -0.40565900 -0.40565900 0.74999698 -0.40565900 0.01491201
## NP_001159643 NP_001159639 NP_002072 NP_003783 NP_694880
## AO.A12D.01TCGA 0.62371621 0.62371621 -0.2944451 0.1817796 0.31131276
## C8.A131.01TCGA 1.36724353 1.36724353 0.4200394 -0.3045313 -0.02927539
## AO.A12B.01TCGA 0.05244074 0.05244074 -0.7263434 -0.3715948 -0.02516053
## BH.A18Q.02TCGA -0.43359114 -0.42355499 -1.2933543 -1.6713824 -1.28666351
## C8.A130.02TCGA 3.21875198 3.26139027 -0.1168747 1.3951449 1.32298777
## C8.A138.03TCGA 0.27456889 0.20508324 1.6752532 1.3826821 1.40462489
## NP_002564 NP_001519 NP_005031 NP_003976 NP_001099009
## AO.A12D.01TCGA -0.2487276 0.25797559 -1.73835865 0.81039632 0.07510527

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## C8.A131.01TCGA -0.8267079 -0.09808936 1.97442567 -0.39358467 0.86125842
## A0.A12B.01TCGA 2.3028775 -1.51898495 1.24971745 1.08897197 -0.89263185
## BH.A18Q.02TCGA -1.3167719 -0.07898066 0.06152538 -1.49073181 -0.47708110
## C8.A130.02TCGA -0.1857519 0.36198619 -0.74660948 -0.07423637 -0.08735584
## C8.A138.03TCGA 2.3920525 -0.13503070 3.63547978 1.72279600 -0.35445905
## NP_076418 NP_037462 NP_932076 NP_079217 NP_064555
## A0.A12D.01TCGA 0.136062045 0.2846442 0.2351168 0.09796406 1.4237738
## C8.A131.01TCGA 0.812683845 0.4686140 0.4605182 0.28645932 1.3470041
## A0.A12B.01TCGA -0.723571946 0.0247260 0.1189561 1.44926357 -0.2579643
## BH.A18Q.02TCGA -0.734675504 -0.6075510 -0.5506795 0.06152538 0.2689391
## C8.A130.02TCGA 0.001200618 0.6702939 0.6768536 -0.88108411 -0.8089270
## C8.A138.03TCGA 0.117311903 0.9438254 0.9474825 -0.51537317 0.3074831
## NP_001035517 NP_005317 NP_060176 NP_115575 NP_689821
## A0.A12D.01TCGA -2.35554596 -2.2222030 -0.7287621 0.79515713 0.8256355
## C8.A131.01TCGA -1.04124562 -1.0088626 -0.7781334 0.16907078 0.2297890
## A0.A12B.01TCGA 2.75462777 2.7047412 0.6399932 -0.84551680 -0.3023079
## BH.A18Q.02TCGA -0.63096867 -0.6911855 -1.0023061 0.08828843 -0.2797036
## C8.A130.02TCGA -0.03487794 -0.2480694 0.1323954 1.99536089 -0.3628648
## C8.A138.03TCGA 0.18314041 0.1831404 -0.5007446 NA -0.1240593
## NP_060851 NP_061153 NP_005013 NP_000430 NP_004481
## A0.A12D.01TCGA 0.4217969 -0.56494082 -0.3439725 -1.3421396 -2.504128
## C8.A131.01TCGA -0.6121702 -0.57978719 1.0191258 -0.8752825 -2.061312
## A0.A12B.01TCGA 0.6566220 -0.01684611 -0.2108493 3.3116940 -2.901950
## BH.A18Q.02TCGA -1.5844025 0.68376640 0.8510355 NA -5.026800
## C8.A130.02TCGA 0.1848733 0.87036587 0.2799895 NA -5.305627
## C8.A138.03TCGA 0.2489689 1.35708208 -0.2959448 -1.0200584 -4.966112
## NP_000037 NP_001033073 NP_005340 NP_055091 NP_003965
## A0.A12D.01TCGA -0.1153846 3.08103603 -0.4963645 -0.10776504 0.4979929
## C8.A131.01TCGA 4.2250475 0.49290125 -0.1588076 2.24968157 0.3512254
## A0.A12B.01TCGA -1.6825019 -0.03347495 -0.6071700 -3.02943821 -1.7795035
## BH.A18Q.02TCGA -0.1258160 -0.60086023 1.0149592 0.24886676 2.4166742
## C8.A130.02TCGA -0.4120629 -1.19267165 0.3980648 -0.09391558 -1.0647568
## C8.A138.03TCGA -0.1716021 0.33308311 -0.6287445 -3.33868461 -0.9798298
## NP_490647 NP_006727 NP_660157 NP_078974 NP_113669
## A0.A12D.01TCGA -0.8697247 -0.2296786 -0.35921172 -0.8506757 -0.77066992
## C8.A131.01TCGA -1.8386782 1.4077223 0.58195463 -1.4541295 -0.03737115
## A0.A12B.01TCGA -0.9619187 -0.1110762 0.04412632 0.3129593 0.18547148
## BH.A18Q.02TCGA -0.4636996 -2.2434427 -13.56421494 -0.4770811 -0.71794859
## C8.A130.02TCGA -0.2021513 -0.2251103 -2.23239008 -2.4718205 -2.39966339
## C8.A138.03TCGA 0.4135402 -0.4349161 1.97879574 0.1977690 -0.34714477
## NP_660186 NP_036443 NP_003674 NP_006708 NP_001010862
## A0.A12D.01TCGA 1.4009150 -1.15164973 -0.1992002 0.55513984 0.47132428
## C8.A131.01TCGA 0.5738589 0.64267285 -1.1222032 -0.27619613 -3.12995218
## A0.A12B.01TCGA 1.0224566 -0.62379889 -0.5517406 -0.21639223 -0.30785086
## BH.A18Q.02TCGA 0.2756298 -0.06559913 -1.4204788 -0.13585215 0.05148923
## C8.A130.02TCGA 0.4603823 1.31314817 0.4603823 -0.01519873 0.28982908
## C8.A138.03TCGA -1.3821152 -0.12771642 -0.5300017 -0.70554441 -0.85548711
## NP_001006682 NP_054892 NP_060874 NP_006860 NP_037520
## A0.A12D.01TCGA 0.1474914 0.07510527 -0.01252008 -0.2220590 2.1514453
## C8.A131.01TCGA -2.4944349 -0.06165844 0.56171523 1.0312694 0.4443267
## A0.A12B.01TCGA -0.2163922 0.43490413 -1.05892028 -1.3332962 -1.1586933
## BH.A18Q.02TCGA 0.5098065 -0.56740641 0.44958967 2.0219191 -1.3201173
## C8.A130.02TCGA -0.2546292 0.76868993 0.46366213 -0.8220465 -1.0450776
## C8.A138.03TCGA -1.4004009 -0.45685895 0.13925474 1.7301103 -0.3764019

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_001136028 | NP_000779 | NP_037478 | NP_003786 | NP_000876 |
| ## | AO.A12D.01TCGA | -1.2926123 | -1.2735633 | -0.08871605 | -0.8506757 | -0.3782607 |
| ## | C8.A131.01TCGA | -0.2114300 | -0.7336067 | 0.61028980 | 0.1731187 | 2.2456337 |
| ## | AO.A12B.01TCGA | -1.2584664 | -0.8732315 | -1.00903375 | -0.6681425 | 0.0247260 |
| ## | BH.A18Q.02TCGA | -1.1729205 | 0.9112524 | 0.11839687 | 1.1454291 | 1.2859351 |
| ## | C8.A130.02TCGA | -0.5891758 | -0.2218305 | 0.53253937 | -0.6678926 | -0.7990874 |
| ## | C8.A138.03TCGA | -0.2410877 | -1.0639440 | 0.13559760 | 0.1648547 | -0.5958302 |
| ## | | NP_003732 | NP_872349 | NP_067027 | NP_004115 | NP_004868 |
| ## | AO.A12D.01TCGA | 1.03136461 | -0.66018577 | -0.9725892 | -0.64113678 | -0.5154134 |
| ## | C8.A131.01TCGA | 0.27836356 | 1.43605751 | -1.3084058 | -0.01713175 | 0.7843487 |
| ## | AO.A12B.01TCGA | 1.77352602 | -0.31339381 | 1.0473999 | -0.03901790 | -1.3554680 |
| ## | BH.A18Q.02TCGA | -6.11739492 | 0.07825229 | -0.5172257 | -0.11912524 | 1.4230958 |
| ## | C8.A130.02TCGA | 0.09631682 | 1.25739039 | -0.4514213 | -0.29726745 | -0.7958075 |
| ## | C8.A138.03TCGA | 1.36439636 | 0.03685484 | -1.4589151 | -0.15331639 | -0.9396013 |
| ## | | NP_056381 | NP_006862 | NP_006417 | NP_001263199 | NP_055690 |
| ## | AO.A12D.01TCGA | -2.782243 | -0.9878284 | 3.40486887 | NA | 2.4105115 |
| ## | C8.A131.01TCGA | -1.656524 | 0.5252843 | -1.00076681 | NA | 1.5777333 |
| ## | AO.A12B.01TCGA | -2.369827 | 1.4132344 | 0.02195453 | NA | -1.3859542 |
| ## | BH.A18Q.02TCGA | -1.607820 | -1.6245471 | 0.28232058 | -0.08567142 | -1.2030290 |
| ## | C8.A130.02TCGA | -1.504259 | -0.4743804 | -0.98603991 | 1.40170462 | -0.1168747 |
| ## | C8.A138.03TCGA | 2.406681 | 4.0304508 | -0.63240163 | 1.49605337 | 0.1941118 |
| ## | | NP_005462 | NP_612208 | NP_001257810 | NP_001612 | NP_000588 |
| ## | AO.A12D.01TCGA | -0.9268716 | -0.6716152 | -0.3630215 | -0.5192232 | -1.646923 |
| ## | C8.A131.01TCGA | -0.6040745 | -0.7902770 | -0.5554999 | -1.1464905 | 3.095689 |
| ## | AO.A12B.01TCGA | 0.4127323 | -0.3272512 | -0.5212544 | -1.6520157 | 1.582294 |
| ## | BH.A18Q.02TCGA | 0.4462443 | 0.2522121 | 0.3258105 | 0.0213808 | -5.100399 |
| ## | C8.A130.02TCGA | 0.1323954 | -0.6482134 | -0.6842920 | -0.7564491 | -1.504259 |
| ## | C8.A138.03TCGA | -1.4296580 | -0.7640586 | -0.7640586 | 0.4866830 | 4.264508 |
| ## | | NP_060190 | NP_001013863 | NP_004829 | NP_064621 | NP_000024 |
| ## | AO.A12D.01TCGA | -2.267920598 | -2.267920598 | 2.0562003 | -0.3744509 | 2.6390994 |
| ## | C8.A131.01TCGA | 0.885545702 | 0.885545702 | 2.7070921 | -1.3488846 | 0.8450669 |
| ## | AO.A12B.01TCGA | -0.002988738 | -0.002988738 | -1.0007193 | 2.5162810 | -2.5084011 |
| ## | BH.A18Q.02TCGA | -1.112703655 | -1.112703655 | -0.5607156 | 0.3224652 | 0.8577263 |
| ## | C8.A130.02TCGA | 1.021239835 | 1.021239835 | 1.9199239 | -0.2447895 | -2.7014113 |
| ## | C8.A138.03TCGA | -1.020058378 | -1.020058378 | -1.9636003 | -0.8116014 | 1.4485106 |
| ## | | NP_005155 | NP_000182 | NP_001046 | XP_003960686 | NP_001045 |
| ## | AO.A12D.01TCGA | 3.0657968 | -2.542226 | -1.3916670 | -1.7612174 | -1.2583241 |
| ## | C8.A131.01TCGA | 0.9260245 | -2.733260 | -0.2073821 | 0.1326398 | 0.2257411 |
| ## | AO.A12B.01TCGA | -2.9823232 | 2.505195 | 0.7453092 | 2.1809327 | 0.6815653 |
| ## | BH.A18Q.02TCGA | -5.6423507 | -1.350226 | -2.0126114 | -0.7514024 | -2.2367520 |
| ## | C8.A130.02TCGA | -1.0155587 | -1.648573 | 1.7723298 | 0.6407750 | 1.8412071 |
| ## | C8.A138.03TCGA | 0.5634829 | -1.027373 | -1.8282861 | 0.3184546 | -1.5869149 |
| ## | | NP_803880 | NP_057267 | NP_005330 | NP_067077 | NP_006347 |
| ## | AO.A12D.01TCGA | -0.8354365 | -1.0602146 | 0.006528907 | -0.05061807 | 0.1893992 |
| ## | C8.A131.01TCGA | -0.4866859 | -0.0697542 | 0.213597468 | 0.33908178 | -0.7700376 |
| ## | AO.A12B.01TCGA | 0.6815653 | -1.3222103 | 0.556848985 | 0.14944232 | 0.4986480 |
| ## | BH.A18Q.02TCGA | -1.8118885 | 0.1083607 | -0.691185540 | -0.41686423 | 0.2589029 |
| ## | C8.A130.02TCGA | 1.8215278 | 1.1524346 | 1.680493478 | -0.21527073 | -1.2385898 |
| ## | C8.A138.03TCGA | -1.1114869 | -1.6161721 | -0.793315749 | 0.51959721 | 0.8158255 |
| ## | | NP_658988 | NP_695003 | NP_002012 | NP_060813 | NP_001015877 |
| ## | AO.A12D.01TCGA | -0.5458918 | -1.03735579 | -2.7022376 | 1.6790303 | 0.3608401 |
| ## | C8.A131.01TCGA | -0.2235737 | -0.08594572 | 3.8324030 | -0.3490580 | 0.9948385 |
| ## | AO.A12B.01TCGA | 0.2104148 | -0.17204865 | -1.1725507 | -0.1859060 | -1.1586933 |
| ## | BH.A18Q.02TCGA | -0.4636996 | 0.52318807 | -1.8687600 | 0.6971479 | 0.9380154 |

```

## C8.A130.02TCGA -0.7892478 0.52597964 0.1815934 -0.2349499 1.2442709
## C8.A138.03TCGA 0.2745689 0.89262541 1.9824529 -0.3910304 -0.6470302
## NP_689759 NP_004790 NP_001243359 NP_004049 NP_814444
## A0.A12D.01TCGA 0.39131852 -0.78590911 -1.45262379 -4.3328312 1.785705
## C8.A131.01TCGA -0.29643553 -0.54335627 0.39979999 0.8612584 -0.211430
## A0.A12B.01TCGA -0.04178937 -0.09444738 -0.14156243 -0.7762299 -0.185906
## BH.A18Q.02TCGA -0.77147471 -1.45058722 -1.20302896 0.8878347 -2.828885
## C8.A130.02TCGA 0.48662121 -0.14639348 -0.03159807 -0.9729204 2.182313
## C8.A138.03TCGA -0.14600212 -0.14600212 2.53468089 0.3842831 3.968279
## NP_004596 NP_006464 NP_001152862 NP_001229768 NP_001229769
## A0.A12D.01TCGA 1.7857047 0.04081709 2.627670044 2.5438545 2.475278118
## C8.A131.01TCGA -0.1669033 -0.05761056 0.715534703 0.7641093 0.658864370
## A0.A12B.01TCGA -0.2108493 0.11895611 -0.540654670 -0.1859060 -0.510168458
## BH.A18Q.02TCGA -2.9192099 -0.45031805 0.007999269 0.1919953 0.007999269
## C8.A130.02TCGA 2.2577504 1.11307616 0.243910914 0.1881531 0.243910914
## C8.A138.03TCGA 3.8366224 0.77925409 1.335139245 1.9312529 1.229082209
## NP_000844 NP_002801 NP_003366 NP_005958 NP_005957
## A0.A12D.01TCGA -2.2107736 -0.5839898 0.4979929 -1.1097420 -0.53827223
## C8.A131.01TCGA -0.9198092 -0.1183288 -0.1426161 -0.2802440 -0.01308386
## A0.A12B.01TCGA 4.0101054 0.4570759 0.7896528 -0.6792284 2.69088387
## BH.A18Q.02TCGA -1.1361213 -0.6811494 0.1451599 0.5231881 0.72391099
## C8.A130.02TCGA -2.1635128 0.3521466 1.0769976 -0.6908517 -0.49405958
## C8.A138.03TCGA 0.3659974 -0.4129733 1.6167390 -1.0932012 -1.41137227
## NP_003115 NP_073753 NP_001655 NP_786886 NP_004031
## A0.A12D.01TCGA 0.2922638 2.2047824 0.89421188 0.4332263 0.3570303
## C8.A131.01TCGA -2.3770463 1.4401054 0.42003939 -0.8064685 -1.2234003
## A0.A12B.01TCGA 2.1005599 -0.1443339 -1.91530571 -1.8543333 -1.7019022
## BH.A18Q.02TCGA -1.8185792 0.4562804 0.03141694 -0.3901012 -2.1464266
## C8.A130.02TCGA -2.0651168 -1.9306421 -0.34318561 -0.2283902 0.4505427
## C8.A138.03TCGA -0.9066871 -0.3544590 0.40988304 0.7317113 0.6841685
## NP_055503 NP_066959 NP_996734 NP_060481 NP_001074930
## A0.A12D.01TCGA 1.4313934 0.21606781 3.27533573 0.8561139 -1.2888025
## C8.A131.01TCGA 1.8691808 0.01929918 0.05573011 0.3674169 -1.4986562
## A0.A12B.01TCGA -1.1476074 -2.85483536 -2.86037830 -2.2090819 -1.5466997
## BH.A18Q.02TCGA 0.5164973 0.99488692 -3.04298899 -3.4277079 -0.7212940
## C8.A130.02TCGA 0.1094363 -1.20251126 -1.87488437 0.7785295 -0.3530252
## C8.A138.03TCGA 0.8194826 2.82359488 1.44851056 0.2672546 -0.9908013
## NP_114409 NP_057724 NP_006399 NP_789783 NP_115727
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## C8.A131.01TCGA -0.35715374 -1.3124536 -7.319509 -7.319509 -1.26792695
## A0.A12B.01TCGA 1.86498465 3.9408186 -3.095954 -4.512177 2.33336374
## BH.A18Q.02TCGA 0.18195913 0.1016700 -7.010612 -2.879065 0.08828843
## C8.A130.02TCGA -0.03815781 -0.5235784 -2.448861 -2.550537 0.16519406
## C8.A138.03TCGA 2.38839532 -0.8042872 3.002795 1.934910 -1.20657247
## NP_003381 NP_001035982 NP_001245297 NP_001245299 NP_060947
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## C8.A131.01TCGA NA 2.0918142 2.0230002 2.0230002 0.31479449
## A0.A12B.01TCGA NA -1.2473805 -1.2667808 -1.2279802 -1.36932536
## BH.A18Q.02TCGA 1.1353930 -0.1860329 -0.1860329 -0.1659606 0.05148923
## C8.A130.02TCGA -1.2057911 -0.6383738 -0.6383738 -0.2546292 -0.09391558
## C8.A138.03TCGA 0.3550259 0.6549114 0.6549114 NA 1.13399659
## NP_079510 NP_000971 NP_612450 NP_056139 NP_001613
## A0.A12D.01TCGA -1.0068774 0.376079329 -1.4716728 -1.0144970 -1.64311370
## C8.A131.01TCGA -0.8186122 1.278190152 1.2498550 -1.0331499 0.43218304

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## AO.A12B.01TCGA 1.2968325 -2.048336459 -1.7407029 -0.8372024 -1.20857987
## BH.A18Q.02TCGA 0.5499511 -0.256285898 1.3093528 -1.3134266 -0.09236219
## C8.A130.02TCGA 0.1487947 1.775609675 -1.1565931 1.6280156 -0.21855060
## C8.A138.03TCGA -0.2301163 -0.007030829 -0.7348015 -0.2666877 -1.69297198
## NP_056338 NP_039268 NP_073606 NP_112601 NP_001660
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## C8.A131.01TCGA 1.8287020 -1.1910172 -0.2559567 2.2780167 NA
## AO.A12B.01TCGA -1.2418376 1.2247742 -0.9646902 -2.0483365 NA
## BH.A18Q.02TCGA 1.9583569 0.1719230 -1.1193944 2.8448831 -0.6978763
## C8.A130.02TCGA -0.9434016 -0.2415097 0.2963888 0.5358192 -0.9499614
## C8.A138.03TCGA -0.8810871 -0.1094307 -0.2118306 -0.9542299 3.3611943
## NP_001011719 NP_000038 NP_008925 NP_008979 NP_660215
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## BH.A18Q.02TCGA -2.8155030 -0.5674064 1.9081762 1.5836741 -0.08901681
## C8.A130.02TCGA 0.9884411 1.5230598 -0.7269303 -0.3759843 0.15207459
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## C8.A130.02TCGA -1.0581970 -0.3891038 0.1520746 -0.3235064 0.4407030 -2.2455096
## C8.A138.03TCGA 1.2693107 0.4976544 0.3513688 0.1136548 1.8617673 -0.8664585
## NP_003918 NP_000969 NP_001155133 NP_001670 NP_056534
## AO.A12D.01TCGA 0.7494395 0.86754329 0.4751341 4.0258660 -0.2296786
## C8.A131.01TCGA 0.6669601 0.12049621 0.1893102 0.3228903 1.4441533
## AO.A12B.01TCGA -0.2635073 -0.34665150 0.1189561 -1.8654192 -1.9236201
## BH.A18Q.02TCGA 1.7475978 0.25890291 -2.4073664 0.8376540 -1.2599005
## C8.A130.02TCGA 0.8441269 0.87692561 1.9330434 -1.5567371 0.5226998
## C8.A138.03TCGA -0.9249728 0.02954056 -0.5702303 -0.1642878 0.1429119
## NP_060733 NP_085135 NP_060601 NP_005432 NP_002805
## AO.A12D.01TCGA -1.23546530 NA -0.31730394 -1.5135806 0.4484655
## C8.A131.01TCGA -0.42191984 NA 0.63052920 -0.1385682 -0.6324096
## AO.A12B.01TCGA 0.29078749 NA -0.05564674 -0.3161653 -1.9596493
## BH.A18Q.02TCGA -0.10239833 -5.0033828 -1.10935827 0.9313247 -0.6108964
## C8.A130.02TCGA 0.07991747 -0.3267863 1.42794358 1.5361792 0.2471908
## C8.A138.03TCGA 1.09011092 3.8037082 0.56714002 -2.2744571 0.4866830
## NP_005207 NP_001034669 NP_005656 NP_037379 NP_659540
## AO.A12D.01TCGA 3.961099 0.3036932 0.8980217 -1.7764566 -1.7383587
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## AO.A12B.01TCGA -1.721303 1.5490366 0.2325865 1.8372699 1.8372699
## BH.A18Q.02TCGA 1.944975 -2.4508564 0.3458828 0.4495897 0.2789752
## C8.A130.02TCGA -1.789608 0.7490107 0.1455148 -0.6842920 -0.9171627
## C8.A138.03TCGA 0.409883 -1.4954865 1.6533104 -0.8262300 -0.7530872
## NP_444272 NP_079222 NP_065828 NP_006061 NP_057087
## AO.A12D.01TCGA 0.7342004 -0.3515921 -4.0737649 -0.97639902 0.307502962
## C8.A131.01TCGA 2.3346871 0.2824114 4.0995632 -0.21143003 0.298602967
## AO.A12B.01TCGA -2.7910915 -1.9901355 -5.3380760 0.09124137 -0.030703477
## BH.A18Q.02TCGA -0.1927236 -0.8183101 -0.3332297 0.37599127 0.733947133
## C8.A130.02TCGA -0.2054311 0.5915770 0.3193479 -0.49405958 -0.002079251
## C8.A138.03TCGA 0.9035968 -0.2447449 2.9333091 -0.25571629 -0.906687064
## NP_001028691 NP_001098016 NP_001258933 NP_056445 NP_001007238

```

| | | | | | | |
|----|----------------|--------------|-------------|--------------|--------------|--------------|
| ## | A0.A12D.01TCGA | 0.17796982 | -0.5039840 | -0.60303880 | -0.08490625 | -0.1496728 |
| ## | C8.A131.01TCGA | 0.29860297 | -0.6486012 | 0.07596952 | 0.67100801 | 0.7276783 |
| ## | A0.A12B.01TCGA | -0.04178937 | -0.5184829 | -0.08890443 | -0.12216212 | -0.6542851 |
| ## | BH.A18Q.02TCGA | 0.64696720 | 0.1317784 | 0.79750939 | 1.73421631 | -1.0223783 |
| ## | C8.A130.02TCGA | -0.05783702 | 0.8638061 | 0.47350173 | 0.54893872 | 0.7194919 |
| ## | C8.A138.03TCGA | -0.90668706 | -0.5812017 | -0.48245892 | NA | 3.8073653 |
| ## | | NP_071801 | NP_003392 | NP_060528 | NP_006573 | NP_036516 |
| ## | A0.A12D.01TCGA | 1.0466038 | 0.93230986 | -0.8354365 | 0.28083438 | 0.3417911 |
| ## | C8.A131.01TCGA | -0.1223767 | -0.28024401 | 0.5050449 | -0.08594572 | 0.1245441 |
| ## | A0.A12B.01TCGA | -0.0916759 | -0.01684611 | -0.8039447 | 0.45707592 | 0.3074163 |
| ## | BH.A18Q.02TCGA | 0.3425375 | 0.34253745 | -1.1394667 | 0.48638887 | 0.2221037 |
| ## | C8.A130.02TCGA | 0.3324674 | 0.50302055 | -0.4251823 | -0.89420358 | 1.7296915 |
| ## | C8.A138.03TCGA | 0.8926254 | 0.92919680 | -0.4897732 | -0.74211580 | -0.4641732 |
| ## | | NP_149073 | NP_004379 | NP_783195 | NP_543151 | NP_057691 |
| ## | A0.A12D.01TCGA | 0.46370469 | -0.8773443 | -0.6220878 | 0.9970764 | 1.5456874 |
| ## | C8.A131.01TCGA | 0.01120342 | 2.0837185 | -0.3166749 | 0.7681572 | 0.1812144 |
| ## | A0.A12B.01TCGA | 0.42936119 | 4.0544490 | 1.5795228 | 0.3933320 | -0.7485152 |
| ## | BH.A18Q.02TCGA | -0.10908910 | -1.5910933 | -2.1631536 | 0.1451599 | -1.2264466 |
| ## | C8.A130.02TCGA | 0.78508928 | -1.2320301 | -0.4350219 | -0.2316701 | -1.2484294 |
| ## | C8.A138.03TCGA | 0.17582613 | -1.4625722 | 2.0299957 | -0.1898878 | -0.4458875 |
| ## | | NP_004323 | NP_005116 | NP_005063 | NP_005126 | NP_001128243 |
| ## | A0.A12D.01TCGA | -1.3230907 | -0.26015697 | 0.7418200 | -0.2639668 | 0.2998834 |
| ## | C8.A131.01TCGA | -0.1264245 | -0.43001560 | 1.9906172 | 1.2781902 | 1.7760795 |
| ## | A0.A12B.01TCGA | 0.8727970 | 0.06906958 | -2.0206217 | -2.5444303 | -3.1541545 |
| ## | BH.A18Q.02TCGA | -1.1495029 | -0.31650277 | -0.1793421 | 1.5435295 | -0.1793421 |
| ## | C8.A130.02TCGA | 0.9720418 | -0.21855060 | -0.3661447 | -0.4973395 | -0.6810121 |
| ## | C8.A138.03TCGA | -0.5665731 | 1.31685355 | 1.3717106 | 1.1559394 | 1.3131964 |
| ## | | NP_000294 | NP_002667 | NP_055418 | NP_001041675 | NP_005994 |
| ## | A0.A12D.01TCGA | -0.26396676 | 0.43703610 | -0.001090689 | 2.7076758 | -1.4831022 |
| ## | C8.A131.01TCGA | -0.27619613 | 0.96650332 | 1.517015127 | -1.2193524 | -0.7376546 |
| ## | A0.A12B.01TCGA | 0.67602236 | -0.98131902 | -1.100492393 | -1.0506059 | 2.1005599 |
| ## | BH.A18Q.02TCGA | -0.40013732 | -1.18964744 | -0.624277903 | -1.1495029 | 0.6503126 |
| ## | C8.A130.02TCGA | 0.07335773 | -0.06439676 | 0.542378981 | -0.6350939 | -1.1795522 |
| ## | C8.A138.03TCGA | 0.78656837 | 0.32942597 | 0.088054790 | 2.5968523 | -0.3105734 |
| ## | | NP_066972 | NP_872620 | NP_003433 | NP_003418 | NP_056509 |
| ## | A0.A12D.01TCGA | 0.5132321 | -0.8849639 | -0.20300999 | NA | 0.05986608 |
| ## | C8.A131.01TCGA | 2.2172985 | -1.0088626 | 0.34717754 | NA | -1.64033200 |
| ## | A0.A12B.01TCGA | -2.4585146 | -1.2667808 | -0.67368542 | NA | -1.37209683 |
| ## | BH.A18Q.02TCGA | 1.3461520 | -0.7246394 | 0.19199527 | -1.0324145 | 0.13177840 |
| ## | C8.A130.02TCGA | -0.4087830 | 0.8834853 | 0.06679799 | 2.0248797 | 1.55585846 |
| ## | C8.A138.03TCGA | -0.8481728 | -2.1281715 | 1.11936803 | 0.7061113 | 0.29285458 |
| ## | | NP_001041631 | NP_741996 | NP_002959 | NP_001004309 | NP_000358 |
| ## | A0.A12D.01TCGA | NA | -0.1115748 | 0.2427364 | 0.03319749 | -0.36302152 |
| ## | C8.A131.01TCGA | NA | -1.6767629 | -1.6767629 | -1.71724173 | -0.35310586 |
| ## | A0.A12B.01TCGA | NA | -0.5572835 | -1.5328423 | -1.69358780 | -0.04456085 |
| ## | BH.A18Q.02TCGA | -6.1843026 | -7.0541018 | -4.6621538 | NA | 0.72391099 |
| ## | C8.A130.02TCGA | -0.2218305 | -2.9867599 | -0.1759123 | NA | -0.38254404 |
| ## | C8.A138.03TCGA | 0.1429119 | NA | -5.7706822 | NA | -0.10943073 |
| ## | | NP_001172023 | NP_001230 | NP_056125 | NP_001011 | NP_659484 |
| ## | A0.A12D.01TCGA | -0.1649120 | -0.5954192 | 0.3303618 | 0.4370361 | -3.414670 |
| ## | C8.A131.01TCGA | -0.7457503 | 0.1447835 | 0.9179287 | 0.1164483 | -1.049341 |
| ## | A0.A12B.01TCGA | 1.3023755 | -0.1554198 | -1.9818211 | -1.5799574 | 0.603964 |
| ## | BH.A18Q.02TCGA | -0.3533020 | -0.2228321 | -1.9155953 | -0.5841333 | -3.073097 |
| ## | C8.A130.02TCGA | -0.4973395 | 0.3423070 | -2.1044752 | 1.3525066 | -1.842086 |

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## C8.A138.03TCGA -0.2081735 0.2233689 1.0352538 0.5269115 2.015367
## NP_996668 NP_060277 NP_443080 NP_689953 NP_001035937
## A0.A12D.01TCGA -4.344261 -0.01632988 -0.61065840 -0.4811253 -0.69066416
## C8.A131.01TCGA -2.955893 -0.06570632 -0.24381308 -1.2922142 -0.01713175
## A0.A12B.01TCGA 0.603964 1.14440145 0.21318622 3.7107863 1.26634630
## BH.A18Q.02TCGA -3.133314 -0.65773172 -0.06559913 1.2625175 -1.06921369
## C8.A130.02TCGA -3.065477 0.16519406 0.69325295 -0.9466815 -1.85192529
## C8.A138.03TCGA 2.523709 0.85239688 -0.32154480 -1.6783434 1.75571025
## NP_689891 NP_001001794 NP_001243893 NP_115744 NP_071935
## A0.A12D.01TCGA 0.51323206 NA 0.35703034 -0.1153846 -0.03156908
## C8.A131.01TCGA 0.04358647 NA -0.30453129 -0.2478610 0.19740594
## A0.A12B.01TCGA 0.14667085 NA 0.48201919 0.6787938 -1.90976276
## BH.A18Q.02TCGA 0.09832458 0.1083607 -0.03883608 -0.7982378 0.45293506
## C8.A130.02TCGA -0.82860621 -1.0581970 0.01759996 1.2541105 0.80148862
## C8.A138.03TCGA 0.65856850 0.9291968 0.21239752 -0.6726302 -0.92497276
## NP_057166 NP_937784 NP_057097 NP_002410 NP_653172
## A0.A12D.01TCGA -0.1306238 -1.9517073 0.7875375 0.6199064 0.11320326
## C8.A131.01TCGA -0.9360007 0.5698110 0.1569271 0.1690708 -0.18714274
## A0.A12B.01TCGA 0.2575298 0.6621650 2.2391336 0.1411279 0.06629811
## BH.A18Q.02TCGA 0.2087222 1.2424452 0.4763527 -0.5975148 1.02164997
## C8.A130.02TCGA -1.1992314 0.6342153 1.3098683 -0.0283182 -0.19887138
## C8.A138.03TCGA -0.2520592 -0.6836016 -0.0326308 -0.8737728 -0.47148750
## NP_056270 NP_060340 NP_001107000 NP_072045 NP_001191819
## A0.A12D.01TCGA -0.89639326 -0.8544855 -0.38588030 0.82563551 -0.5839898
## C8.A131.01TCGA -0.37334527 0.1285920 -0.03332327 -0.85099522 -0.1142809
## A0.A12B.01TCGA 0.59564962 -1.2196658 1.33563314 -0.65705657 -0.7679155
## BH.A18Q.02TCGA 0.06487076 -1.9155953 -0.66776787 -0.37337426 -0.5105349
## C8.A130.02TCGA -0.81220686 1.2180320 0.27014986 1.64769479 1.2245917
## C8.A138.03TCGA -0.39834472 -0.6470302 -0.99811554 -0.02165938 -0.1167450
## NP_001001 NP_954976 NP_061913 NP_002848 NP_003738
## A0.A12D.01TCGA -1.0373558 -0.18396100 0.1855894 0.04843669 -0.4811253
## C8.A131.01TCGA 4.7107932 0.95435968 0.7114868 -1.08577231 0.5900504
## A0.A12B.01TCGA -1.6159865 -0.68199984 1.1859736 1.59892316 0.8811114
## BH.A18Q.02TCGA -1.5476033 0.73394713 0.1050153 -1.33684424 -1.0859406
## C8.A130.02TCGA 0.9884411 1.26395013 -0.1070351 0.38166541 0.7260516
## C8.A138.03TCGA -0.8920585 -0.01800225 0.7097684 0.04782626 -0.1716021
## NP_079511 NP_002664 NP_001156729 NP_060909 NP_001138430
## A0.A12D.01TCGA 0.8561139 0.9856470 2.4067018 -1.28880247 -0.7363817
## C8.A131.01TCGA 2.7597146 1.2498550 0.3269381 0.03144283 1.1446101
## A0.A12B.01TCGA -1.8487903 -0.1415624 -0.9342040 0.91714059 0.3101878
## BH.A18Q.02TCGA -1.4070973 -5.9133266 NA -1.25655508 -1.5108041
## C8.A130.02TCGA -1.1073951 -0.3202265 NA -0.43174207 -1.4025833
## C8.A138.03TCGA 1.2875964 1.2181108 NA 1.32051069 2.9918233
## NP_001026866 NP_001363 NP_001264044 NP_775899 NP_001070913
## A0.A12D.01TCGA -0.06585726 0.09415427 -0.9230618 1.00850582 -1.2811829
## C8.A131.01TCGA 2.41969257 0.23383687 2.7556667 -0.47859017 0.2621720
## A0.A12B.01TCGA 0.50419098 -2.34211269 -1.2473805 0.09124137 -2.0178502
## BH.A18Q.02TCGA 1.72418016 0.42951738 -4.7725514 -0.06559913 -0.4001373
## C8.A130.02TCGA 0.32590764 0.19471288 0.4111842 0.10287655 0.8047685
## C8.A138.03TCGA -1.10051544 0.42085445 1.3680535 2.69559501 0.4281687
## NP_056103 NP_955352 NP_073210 NP_079463 NP_001189367
## A0.A12D.01TCGA -0.08109645 NA -0.22205898 -0.52303304 1.4428228
## C8.A131.01TCGA -0.33691434 NA -0.06570632 -1.08172443 1.2255677
## A0.A12B.01TCGA 0.93931238 NA -0.19699191 -1.18363661 -0.2441070

```

```

## BH.A18Q.02TCGA 1.52345725 -5.3044671 -0.30646663 0.79416401 -0.5372980
## C8.A130.02TCGA 0.77196980 -0.1037552 0.58501728 0.18487328 1.4410630
## C8.A138.03TCGA 0.29285458 NA -0.72748724 -0.06554506 0.8121683
## NP_005975 NP_001243463 NP_037499 NP_002954 NP_789793
## AO.A12D.01TCGA 2.0752493 2.0752493 1.02755482 6.246978 7.069895
## C8.A131.01TCGA -0.4300156 -0.4300156 -1.43389007 3.354753 2.816385
## AO.A12B.01TCGA -3.2788709 -3.2788709 0.14389938 -2.558288 -2.156424
## BH.A18Q.02TCGA -0.6644225 -0.6343140 0.05483462 -8.516034 -8.311965
## C8.A130.02TCGA -0.5268583 -0.4940596 -0.18903178 -10.159833 -9.972881
## C8.A138.03TCGA 2.1323956 1.7118246 1.12668231 -10.159249 -9.917878
## NP_110438 NP_065728 NP_005912 NP_940852 NP_001027536
## AO.A12D.01TCGA 0.5894280 -2.0050445 NA -0.87353447 2.86006773
## C8.A131.01TCGA -1.1262511 -0.8955219 NA -0.09404148 0.83292325
## AO.A12B.01TCGA 1.4908357 0.9088262 NA 0.13835643 0.19655738
## BH.A18Q.02TCGA 0.3693005 0.5298788 -0.3800650 0.28232058 -0.07898066
## C8.A130.02TCGA 1.1196359 0.2373512 0.2701499 0.12255577 -0.91060293
## C8.A138.03TCGA 0.2818832 -0.6068017 0.3184546 -0.49343034 -0.95788701
## XP_003846351 NP_877439 NP_001254711 NP_001864 NP_071412
## AO.A12D.01TCGA 1.93047698 1.50377959 0.68086318 3.5839294 -0.5382722
## C8.A131.01TCGA 0.90578511 1.45629691 1.82870196 2.8730552 -0.1911906
## AO.A12B.01TCGA -0.79840174 -0.78731584 0.07461253 -0.5434261 0.7120515
## BH.A18Q.02TCGA -0.07898066 -0.07898066 -1.01234220 -2.1664989 -0.1592698
## C8.A130.02TCGA -0.91060293 -1.04835742 0.36198619 -2.0191986 -1.6518533
## C8.A138.03TCGA -0.95788701 3.50747991 -0.48611606 -1.7185720 -0.8079443
## NP_001028255 NP_071902 NP_001139267 NP_001265618 NP_078940
## AO.A12D.01TCGA -0.53827223 0.494183072 -0.001090689 1.29805049 -0.77066992
## C8.A131.01TCGA -0.19119063 0.800540202 -0.478590171 1.15270584 -0.15071182
## AO.A12B.01TCGA 0.79796721 -0.341108551 0.709280048 -1.25569493 -0.08059001
## BH.A18Q.02TCGA -0.01876379 -0.557370266 0.496425021 1.44651347 -1.43720570
## C8.A130.02TCGA -2.30126733 0.053678520 -0.054557153 -0.09391558 -0.03487794
## C8.A138.03TCGA -0.84085856 0.007597728 -0.775030054 -0.12040214 -1.37480088
## NP_620148 NP_003559 NP_116186 NP_659434 NP_658985
## AO.A12D.01TCGA 1.6295029 0.4979929 -0.4887449 0.4903733 -0.824007093
## C8.A131.01TCGA -0.8590910 -2.5349137 -1.0169583 0.2216932 -1.458177356
## AO.A12B.01TCGA 0.1854715 0.8007387 0.2963304 1.1083723 1.551808106
## BH.A18Q.02TCGA 1.7442525 -2.3203865 0.3057383 -1.6479648 -0.995615289
## C8.A130.02TCGA -0.5399777 -0.6514933 -0.7138108 0.9786015 0.007760356
## C8.A138.03TCGA -0.6141159 4.1950221 -1.1736582 1.1632537 -0.515373173
## NP_001010867 NP_036249 NP_057671 NP_001120700 NP_001138349
## AO.A12D.01TCGA 1.1761369 -0.8697247 -0.7859091 -1.056404781 0.6313358
## C8.A131.01TCGA 0.5212364 -0.5676436 -1.4217464 -1.842726044 -1.0169583
## AO.A12B.01TCGA 1.0501713 -0.8482883 0.2270436 -0.005760212 0.2575298
## BH.A18Q.02TCGA 1.3929874 1.7576340 0.3090836 0.285665963 -0.2863943
## C8.A130.02TCGA -0.1693526 -0.3792642 0.3455868 1.017959967 3.6123362
## C8.A138.03TCGA 1.0206253 0.2160547 -0.3215448 -0.859144254 -0.7567444
## NP_060383 NP_077001 NP_002412 XP_003960188 NP_001451
## AO.A12D.01TCGA 1.3018603 -3.32704449 2.0562003 -3.765171 2.2771686
## C8.A131.01TCGA 0.4929013 -0.62431388 5.0710546 -3.364729 -0.3450101
## AO.A12B.01TCGA -0.3161653 0.47093329 -1.8626477 -1.940249 -4.1380278
## BH.A18Q.02TCGA -0.6142418 -2.09290054 -0.8383823 -4.053294 -2.8221938
## C8.A130.02TCGA -1.1270743 1.18851315 -1.8781642 -1.874884 -1.5370579
## C8.A138.03TCGA 1.5801676 -0.08383075 -0.4641732 5.365307 -0.4312590
## NP_789794 NP_000938 NP_057270 NP_077084 NP_002627
## AO.A12D.01TCGA -0.6678054 -2.2336324 1.26757210 -0.4544567 -0.2601570

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```

## C8.A131.01TCGA -0.3490580 -0.5433563 -1.09791595 -1.4500816 -0.8874261
## A0.A12B.01TCGA -0.3715948 -2.3947707 -1.53007084 0.8312249 0.8312249
## BH.A18Q.02TCGA -0.7413663 1.2390998 0.24886676 0.6268949 0.6268949
## C8.A130.02TCGA -1.1369139 0.8966048 -0.06439676 0.1520746 0.1127162
## C8.A138.03TCGA -0.9834870 -0.5226875 -2.48291404 0.8816540 0.7426827
## NP_001165081 NP_009009 NP_001073583 NP_001165082 NP_001921
## A0.A12D.01TCGA -0.05442786 -0.05442786 0.7418200 -0.5497016 -0.4239783
## C8.A131.01TCGA 0.71148682 0.71148682 -0.7336067 0.9705512 -2.7332598
## A0.A12B.01TCGA -3.72230668 -3.72230668 -2.7522908 -3.7223067 0.3379025
## BH.A18Q.02TCGA -4.30419795 -4.30419795 -5.9467804 1.7576340 -0.5573703
## C8.A130.02TCGA -0.78924778 -0.78924778 -1.0614769 -0.1955915 2.3594263
## C8.A138.03TCGA -0.96520129 -0.96520129 -0.9652013 -1.2394867 -1.6381149
## NP_001193903 NP_078925 NP_002790 NP_060380 NP_003745
## A0.A12D.01TCGA -0.3173039 -1.31547106 -0.6258976 0.4332263 -0.2753962
## C8.A131.01TCGA -3.0004200 -1.49460828 -0.5514520 0.1245441 -0.3247707
## A0.A12B.01TCGA 0.3157308 0.76470953 1.6044661 0.8921973 0.4127323
## BH.A18Q.02TCGA -0.5372980 -0.61758714 -2.9727360 -1.8921776 0.1083607
## C8.A130.02TCGA 2.3299075 -1.43866181 1.8608863 1.4640221 0.6834133
## C8.A138.03TCGA -1.6381149 0.08805479 0.6768542 0.9474825 -0.5117160
## NP_001027451 NP_003211 NP_001035890 NP_003213 NP_003212
## A0.A12D.01TCGA 2.55528388 2.55528388 2.55528388 2.0333415 2.0333415
## C8.A131.01TCGA 0.05977799 0.05977799 0.05977799 -1.0129105 -0.6809842
## A0.A12B.01TCGA -0.53511172 -0.53511172 -0.53511172 -1.3554680 -0.8954033
## BH.A18Q.02TCGA -0.85176387 -0.85176387 -0.85176387 1.5100757 -0.3767196
## C8.A130.02TCGA 1.48370135 1.48370135 1.48370135 -0.4350219 1.2245917
## C8.A138.03TCGA -0.97251557 -0.90302992 -0.97251557 0.5671400 -1.2358296
## NP_848643 NP_758438 NP_116196 NP_065691 NP_001014305
## A0.A12D.01TCGA 2.53623489 2.0333415 -0.168721809 0.63895540 2.4067018
## C8.A131.01TCGA -1.01291045 -0.5838351 -1.567470141 -0.58383507 2.2011070
## A0.A12B.01TCGA -0.07227559 -0.7041716 -0.000217265 -0.53511172 -1.1088068
## BH.A18Q.02TCGA 0.24886676 1.5401842 1.058449173 0.16188683 -10.4730821
## C8.A130.02TCGA 1.33610725 2.0379992 -0.205431121 -0.03159807 0.7949289
## C8.A138.03TCGA -1.12611541 -1.1480582 0.965768189 0.25262605 2.1653098
## NP_115677 NP_003788 NP_001231634 NP_997242 NP_057292
## A0.A12D.01TCGA 0.55894964 -0.5801800 -2.507938 NA -0.48874485
## C8.A131.01TCGA 0.55361947 -0.6850321 -2.198940 NA -0.10213725
## A0.A12B.01TCGA 1.24140303 -0.9508328 1.748583 NA 0.68987973
## BH.A18Q.02TCGA -0.39010117 0.8978708 1.329425 -5.80962 -0.81831005
## C8.A130.02TCGA 0.15863432 1.2245917 -1.779768 -2.73749 -0.02503833
## C8.A138.03TCGA -0.04360222 0.8633683 -1.744172 NA -0.19720207
## NP_057705 NP_060810 NP_055552 NP_114412 NP_003012
## A0.A12D.01TCGA -0.15729241 0.6618142 0.18177962 -0.4963645 -0.564940818
## C8.A131.01TCGA 0.60624192 2.4399320 1.41177022 1.5736855 0.760061393
## A0.A12B.01TCGA 0.50973393 0.3683888 -1.34161062 -3.1070395 0.288016019
## BH.A18Q.02TCGA -0.08232604 0.4562804 1.16550139 1.2926259 -0.818310051
## C8.A130.02TCGA 0.16191419 2.0740777 -0.46454076 0.1127162 -0.008638989
## C8.A138.03TCGA -0.06920219 -1.9672574 0.02588342 -0.3434876 -1.506457887
## NP_001253975 NP_006582 NP_116098 NP_115500 NP_037457
## A0.A12D.01TCGA 0.7684885 -1.0144970 -0.5382722 -1.6354941 -0.90782265
## C8.A131.01TCGA 2.4642193 0.5819546 0.6791038 -0.5109732 0.31884237
## A0.A12B.01TCGA -1.3804113 -0.3854521 0.5817922 1.2968325 -0.26627876
## BH.A18Q.02TCGA -0.3031212 1.1889191 -1.6312378 1.9918107 0.21206756
## C8.A130.02TCGA -0.1955915 0.2865492 -2.1503934 -1.2090710 0.02743957
## C8.A138.03TCGA 0.8926254 -0.5702303 0.6658828 -1.2650867 -0.65068732

```


| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_612385 | NP_057303 | NP_115698 | NP_005497 | NP_001191184 |
| ## | AO.A12D.01TCGA | -0.4506469 | 1.2370937 | -0.6601858 | 0.78753753 | 1.0123156 |
| ## | C8.A131.01TCGA | -0.1911906 | -0.6202660 | 0.8653063 | 1.37129141 | 1.3793872 |
| ## | AO.A12B.01TCGA | -0.4879967 | -0.2995364 | 0.1244991 | 0.02195453 | 0.0358119 |
| ## | BH.A18Q.02TCGA | -0.9655069 | 0.3927182 | -0.3031212 | -1.60782017 | -2.1698443 |
| ## | C8.A130.02TCGA | 0.4407030 | -0.6088550 | 0.1520746 | -2.04871742 | -2.1733524 |
| ## | C8.A138.03TCGA | 0.3842831 | 0.3257688 | -0.2447449 | 1.33513924 | 1.2949107 |
| ## | | NP_036380 | NP_060156 | NP_000968 | NP_004840 | NP_066973 |
| ## | AO.A12D.01TCGA | -0.6106584 | 0.89040208 | 0.002719109 | 0.68467298 | 0.9475491 |
| ## | C8.A131.01TCGA | 0.3269381 | 1.15270584 | 2.674709072 | 0.76410927 | 0.9219766 |
| ## | AO.A12B.01TCGA | 0.3351311 | -0.36882329 | -2.003992877 | 0.04135484 | -1.7407029 |
| ## | BH.A18Q.02TCGA | -0.8183101 | 0.35591898 | -1.450587222 | -0.12916139 | -1.4305149 |
| ## | C8.A130.02TCGA | -0.5301381 | 0.01759996 | 1.303308558 | 1.15571446 | -0.7990874 |
| ## | C8.A138.03TCGA | 0.5159401 | 0.28919744 | -0.321544797 | 0.70976845 | 1.0315967 |
| ## | | NP_542391 | NP_061863 | NP_085130 | NP_001170854 | NP_001171608 |
| ## | AO.A12D.01TCGA | 0.2160678 | -0.02394948 | 0.8865923 | -0.1877708 | -0.2830158 |
| ## | C8.A131.01TCGA | 0.8005402 | 0.41194363 | -0.1669033 | -0.5959787 | -0.6809842 |
| ## | AO.A12B.01TCGA | -0.1415624 | -1.48572726 | 0.8811114 | 0.8700255 | 0.8339964 |
| ## | BH.A18Q.02TCGA | -1.5643302 | 0.74732866 | -0.8015831 | -0.6911855 | -0.6911855 |
| ## | C8.A130.02TCGA | 0.2865492 | -0.42190247 | -0.1726324 | 0.1848733 | -0.1267143 |
| ## | C8.A138.03TCGA | -0.3727447 | -1.25045815 | -0.1569735 | -1.0602869 | -1.0127441 |
| ## | | NP_055727 | NP_742128 | NP_003627 | NP_001186791 | NP_003462 |
| ## | AO.A12D.01TCGA | -0.2830158 | 0.60085742 | -0.3592117 | -1.38785722 | -1.79931542 |
| ## | C8.A131.01TCGA | -0.6809842 | -0.07380208 | -0.2316694 | -0.07380208 | -0.07380208 |
| ## | AO.A12B.01TCGA | 0.8339964 | -2.76337672 | -2.6996328 | -3.22898433 | -4.86138244 |
| ## | BH.A18Q.02TCGA | -0.6911855 | 3.14931284 | 3.0857506 | 3.08575058 | 2.55718025 |
| ## | C8.A130.02TCGA | -0.1267143 | -0.24806942 | -0.2546292 | -0.41206286 | -1.02539834 |
| ## | C8.A138.03TCGA | -1.0127441 | 0.28188316 | 0.3696545 | 0.38428306 | 0.61833997 |
| ## | | NP_683710 | NP_001138836 | NP_689618 | NP_116114 | NP_001153208 |
| ## | AO.A12D.01TCGA | 3.72870171 | 4.38398700 | 0.3760793 | 0.5741888 | 0.1741600 |
| ## | C8.A131.01TCGA | 0.48885337 | 0.48885337 | 0.9260245 | 1.3915308 | 0.6021940 |
| ## | AO.A12B.01TCGA | -0.21916370 | -0.48245372 | -0.6016271 | -1.0034908 | -0.8649171 |
| ## | BH.A18Q.02TCGA | -1.94235836 | -1.91224992 | 0.5064612 | 0.3157744 | 0.3157744 |
| ## | C8.A130.02TCGA | -0.02175846 | 0.02087983 | -0.6219745 | 0.9622022 | 0.9622022 |
| ## | C8.A138.03TCGA | 0.92919680 | 0.98039675 | 0.3842831 | 0.4464544 | 0.7280541 |
| ## | | NP_001026880 | NP_997229 | NP_078922 | NP_115690 | NP_037533 |
| ## | AO.A12D.01TCGA | | NA | -0.5154134 | 0.03319749 | 0.07891507 |
| ## | C8.A131.01TCGA | | NA | -0.3166749 | -0.02522751 | -0.28833977 |
| ## | AO.A12B.01TCGA | | NA | 0.5901067 | -0.11661917 | 0.57624930 |
| ## | BH.A18Q.02TCGA | -0.4503180 | 0.1485053 | -0.89525383 | 0.85438088 | 0.8008548 |
| ## | C8.A130.02TCGA | 0.8342873 | 2.0773576 | 0.62437570 | 1.52961951 | -0.2743084 |
| ## | C8.A138.03TCGA | -0.8335443 | 0.8267969 | -0.16794495 | 0.86702543 | 0.5342258 |
| ## | | NP_001099040 | NP_004126 | NP_777358 | NP_061832 | NP_588613 |
| ## | AO.A12D.01TCGA | -0.843056084 | -0.4049293 | -0.359211717 | -0.28682555 | -0.008710286 |
| ## | C8.A131.01TCGA | -0.004988103 | -0.1223767 | -0.138568173 | -0.01713175 | -0.264052482 |
| ## | AO.A12B.01TCGA | 1.831726968 | 1.3578049 | 1.332861670 | 0.04966926 | -0.249649913 |
| ## | BH.A18Q.02TCGA | -0.523916447 | -0.2696674 | 0.004653887 | 0.89452546 | -0.095707569 |
| ## | C8.A130.02TCGA | -0.126714268 | -0.2119909 | -0.221830465 | 0.17503367 | -0.031598071 |
| ## | C8.A138.03TCGA | 0.395254479 | 0.0331977 | 0.080740511 | 0.10268335 | -0.405658998 |
| ## | | NP_079355 | NP_997243 | NP_203748 | NP_001010888 | NP_078887 |
| ## | AO.A12D.01TCGA | -0.6678054 | 0.4598949 | -1.02211660 | -2.7670042 | -1.3002319 |
| ## | C8.A131.01TCGA | -1.3488846 | 0.1326398 | 1.18913677 | -2.7615950 | -0.9886232 |
| ## | AO.A12B.01TCGA | 0.1743856 | -0.2856791 | -0.09444738 | -1.9541063 | 0.1134132 |
| ## | BH.A18Q.02TCGA | 0.7975094 | -1.0558322 | 0.97146924 | 2.0152284 | -0.2194867 |

```

## C8.A130.02TCGA 0.3619862 -0.5957355 0.36526606 0.5981368 0.3587063
## C8.A138.03TCGA 0.4903401 -0.2484020 -0.49708748 0.5854257 0.1831404
## NP_065778 NP_919299 NP_061896 NP_001171753 NP_005819
## A0.A12D.01TCGA 0.28083438 1.8314222 0.09796406 0.09796406 -0.5420820
## C8.A131.01TCGA 0.88959358 0.6669601 0.45647032 0.45647032 -0.8590910
## A0.A12B.01TCGA -1.04783439 -1.2778667 -0.35496592 -0.35496592 0.3212737
## BH.A18Q.02TCGA -0.08901681 1.4766219 -0.80492852 -0.80492852 -0.5506795
## C8.A130.02TCGA 1.65097466 0.2176720 0.44398291 0.44398291 0.2799895
## C8.A138.03TCGA 1.23639649 1.1925108 0.70976845 0.70976845 -1.1041726
## NP_006501 NP_004984 NP_060293 NP_036220 NP_055031
## A0.A12D.01TCGA 0.31512256 -0.86210507 -1.7040705 0.17035023 -0.8773443
## C8.A131.01TCGA -0.60812236 -0.01713175 -0.1021372 -0.04546691 -2.5713446
## A0.A12B.01TCGA 0.19655738 -0.02238906 -0.1249336 1.39383410 1.2635748
## BH.A18Q.02TCGA -0.03883608 -0.39344655 0.5934411 1.60040103 -1.4840410
## C8.A130.02TCGA 0.66701400 0.29638882 0.6735737 0.37510567 0.4800615
## C8.A138.03TCGA -1.03102980 1.59479613 -1.0346869 -1.49914361 0.6110257
## NP_060866 NP_859076 NP_009104 NP_002086 NP_849189
## A0.A12D.01TCGA -1.53262955 -1.5326296 -3.928993 -0.7820993 -2.6984278
## C8.A131.01TCGA -0.55954779 -0.2923876 -2.611823 -0.3692974 -4.7369609
## A0.A12B.01TCGA 0.27415865 0.1799285 4.450770 -0.8954033 0.2686157
## BH.A18Q.02TCGA -1.45727799 -1.4004065 -4.795969 0.6770756 0.2087222
## C8.A130.02TCGA -0.04143768 -0.0807961 -4.292148 1.7985688 -0.8318861
## C8.A138.03TCGA -0.61411593 -0.8189157 -1.279715 0.2599403 0.7317113
## NP_055224 NP_056094 NP_598399 NP_821077 NP_001191435
## A0.A12D.01TCGA -1.4373846 1.1189900 0.21225801 2.14382568 2.14382568
## C8.A131.01TCGA 0.3228903 -0.3450101 -0.43406348 0.07192163 0.07192163
## A0.A12B.01TCGA -0.3688233 2.4275939 2.16707531 -1.20026545 -1.20026545
## BH.A18Q.02TCGA 0.7573648 -1.9791576 0.05483462 0.25221214 0.56667804
## C8.A130.02TCGA 0.4046245 -1.1139548 1.63785518 -0.66789263 -0.82204647
## C8.A138.03TCGA 0.3989116 1.5728533 -1.29434381 0.70245417 0.70245417
## NP_690618 NP_001087194 NP_976049 NP_057710 NP_115622
## A0.A12D.01TCGA 2.48670751 0.1170131 0.6618142 2.178114 2.178114
## C8.A131.01TCGA 0.04358647 2.6747091 1.3753393 2.694948 2.694948
## A0.A12B.01TCGA -0.74020079 -1.2529235 0.3683888 -3.930167 -3.930167
## BH.A18Q.02TCGA 0.58340495 -0.6911855 -1.6312378 -1.825270 -1.825270
## C8.A130.02TCGA -1.33698588 1.3557865 1.3262676 1.434503 1.434503
## C8.A138.03TCGA -1.27240098 -1.8026862 -0.6324016 -1.294344 -1.294344
## NP_000584 NP_006055 NP_006561 NP_001161067 NP_976316
## A0.A12D.01TCGA 4.7382982 -0.02394948 -0.17253161 0.5818084 0.4065577
## C8.A131.01TCGA -0.2114300 0.81268385 0.45647032 1.4320096 2.3913574
## A0.A12B.01TCGA -2.2395682 -0.57391236 -0.64874215 0.4404471 -0.1803631
## BH.A18Q.02TCGA 3.3199273 -0.28304895 -0.04218146 -2.6013986 -2.1564628
## C8.A130.02TCGA -2.1011953 0.08319734 -0.11359479 0.1783135 0.5522186
## C8.A138.03TCGA -0.1606307 -0.74943008 -0.74943008 0.8560540 1.2583393
## NP_005633 NP_071909 NP_031368 NP_003121 NP_079470
## A0.A12D.01TCGA -0.27920596 0.7570591 0.39512832 -1.04116559 -0.01632988
## C8.A131.01TCGA -0.06570632 -0.5190690 -0.35715374 -1.68485869 -0.09404148
## A0.A12B.01TCGA -0.18313454 1.8123266 0.16607117 -1.21412282 0.11341316
## BH.A18Q.02TCGA 0.05483462 -0.1826875 -0.33992045 -0.08901681 -0.18268750
## C8.A130.02TCGA 0.56533806 -1.2582690 -0.37598430 1.46730200 0.88676521
## C8.A138.03TCGA 0.58908286 0.3769688 0.06611196 -1.46988649 1.26565360
## NP_036515 NP_060647 NP_001006 NP_005310 NP_005312 NP_005311
## A0.A12D.01TCGA 0.1322522 0.23511680 0.90564127 -5.148128 -5.148128 -5.037644
## C8.A131.01TCGA 1.3672435 -1.72938538 0.86125842 2.609943 2.998540 2.804241

```

```

## A0.A12B.01TCGA -0.8510597 -1.87096213 -1.36378241 -4.160200 -4.160200 -4.526034
## BH.A18Q.02TCGA 1.2792444 0.06487076 -0.29977586 -2.899138 -2.654925 -2.654925
## C8.A130.02TCGA -0.4579810 -0.07751624 1.66409413 1.172114 1.070438 1.063878
## C8.A138.03TCGA -0.2081735 2.35548107 -0.01800225 -2.453657 -2.764514 -2.303714
## NP_005313 NP_005316 NP_005314 NP_000311 NP_443183
## A0.A12D.01TCGA -2.5803240 -4.8357246 -5.3271885 -2.5193673 0.1855894
## C8.A131.01TCGA 7.0707078 7.2285751 7.6778899 -1.4500816 -0.6850321
## A0.A12B.01TCGA -1.7822750 -2.7134902 -2.8714642 1.9786151 0.8339964
## BH.A18Q.02TCGA -4.1168566 -4.8963305 -4.4480494 -0.8852177 -0.3332297
## C8.A130.02TCGA 0.6538945 0.9818814 0.2799895 -0.4317421 0.6899731
## C8.A138.03TCGA -2.5450854 -3.0790277 -4.2200551 -3.0461135 0.5854257
## NP_064695 NP_001074007 NP_003336 NP_001160163 NP_004319
## A0.A12D.01TCGA 8.4757102 8.5938140 -0.38588030 1.4999698 0.7151514
## C8.A131.01TCGA 1.7598880 1.8044147 -0.71741515 0.5374279 0.6993432
## A0.A12B.01TCGA -0.6210274 -0.6210274 0.36838876 -0.4602819 1.0058278
## BH.A18Q.02TCGA -5.8731820 -4.2740895 1.62716409 0.7406379 -1.0859406
## C8.A130.02TCGA -2.7407698 -1.7699286 0.91628403 -0.3103869 -0.8646848
## C8.A138.03TCGA 5.7858776 2.1323956 -0.03994508 0.2087404 1.0498824
## NP_000137 NP_061139 NP_000378 NP_115885 NP_060930
## A0.A12D.01TCGA -1.28118287 2.2733588 1.1647075 0.1284424 0.1246326
## C8.A131.01TCGA 3.82430726 0.4038479 0.2743157 2.0958621 1.3915308
## A0.A12B.01TCGA -3.02389526 -0.3272512 0.2492154 -0.7152575 -1.0395200
## BH.A18Q.02TCGA 6.70210837 1.4866581 -0.6175871 1.2457906 1.4398227
## C8.A130.02TCGA -0.09719545 1.7034526 -2.1700726 -0.8745244 -0.5104589
## C8.A138.03TCGA -2.24520000 -1.0346869 0.6951399 0.2087404 -0.2301163
## NP_001243111 NP_056023 NP_000590 NP_001013416 NP_077078
## A0.A12D.01TCGA 0.7532493 0.31893236 -2.3479264 1.6904597 -4.88144214
## C8.A131.01TCGA -0.2600046 2.02704812 -3.0651861 -0.0697542 -4.72076938
## A0.A12B.01TCGA -0.7512867 -1.69635928 -5.4572493 -1.4524696 -4.27937293
## BH.A18Q.02TCGA -5.6624230 -1.07255907 -6.5790576 -2.8589930 -4.03656740
## C8.A130.02TCGA -0.2251103 -0.03815781 -0.2218305 0.4735017 0.09631682
## C8.A138.03TCGA 1.0718252 -0.21548776 -1.9416574 0.3221117 -2.47559977
## NP_003285 NP_001654 NP_001647 NP_001186558 NP_066299
## A0.A12D.01TCGA -4.8814421 -0.145863020 0.26559518 1.042794008 1.5342580
## C8.A131.01TCGA -4.5426626 -0.251908839 -0.60407448 1.440105389 1.6344037
## A0.A12B.01TCGA -4.0410262 -0.324479708 -0.14433391 0.210414750 -0.4796822
## BH.A18Q.02TCGA -3.5213786 -0.801583141 -0.12247062 1.115320665 1.3026620
## C8.A130.02TCGA 0.1783135 -0.008638989 -0.11687466 -0.008638989 0.1159960
## C8.A138.03TCGA -2.3366285 0.248968913 0.08439765 -0.928629899 0.5305686
## NP_524147 NP_000249 NP_001002841 NP_524144 NP_077310
## A0.A12D.01TCGA 1.39329544 1.62950292 -1.2392751 1.6790303 -0.1077650
## C8.A131.01TCGA 1.33890837 2.08776634 0.9665033 2.0230002 1.6505952
## A0.A12B.01TCGA -0.80394469 -1.15592187 0.1328135 -1.1531504 -2.1093089
## BH.A18Q.02TCGA 0.85103550 0.88448932 0.3325013 1.1253568 0.8711078
## C8.A130.02TCGA -0.03487794 0.02087983 -0.1595130 0.1684739 0.5489387
## C8.A138.03TCGA 0.22336894 1.04256811 -1.0566298 1.2546822 0.7499970
## NP_444251 NP_001129508 NP_004862 NP_001007026 NP_055819
## A0.A12D.01TCGA 0.2465462 NA 0.3075030 0.37988913 -0.90401285
## C8.A131.01TCGA -1.8832049 NA -0.1142809 -0.05761056 0.17716654
## A0.A12B.01TCGA -0.1360195 NA 0.1688426 0.30187339 0.78688132
## BH.A18Q.02TCGA -0.7079124 NA -2.8155030 -2.79877611 0.02807156
## C8.A130.02TCGA 1.5689779 NA -0.3267863 -0.39894338 -0.38910378
## C8.A138.03TCGA 0.3403974 NA -0.2337735 0.28919744 -0.16063067
## NP_009139 NP_612444 NP_001562 NP_001184051 NP_002078

```

```

## A0.A12D.01TCGA -0.66018577 -0.8849639 0.90564127 0.91707067 -1.4221454
## C8.A131.01TCGA -2.01273704 -1.9196358 0.90983299 1.01103001 3.5004768
## A0.A12B.01TCGA 2.39987911 0.8783400 -0.26073581 0.09124137 0.8062816
## BH.A18Q.02TCGA 1.22237288 0.1886499 -0.08901681 -0.04218146 -0.2997759
## C8.A130.02TCGA 0.05367852 0.8375672 0.16191419 0.08647721 -0.3399057
## C8.A138.03TCGA -0.56657312 3.5257656 1.53262476 1.46679625 -0.6177731
## NP_003840 NP_056526 NP_073570 NP_001030312 NP_001240693
## A0.A12D.01TCGA -0.03918867 0.8180159 -0.2753962 -0.6449466 -0.8049581
## C8.A131.01TCGA -0.05356267 0.7964923 0.1812144 0.2702678 0.1690708
## A0.A12B.01TCGA 1.47143536 -0.0916759 -0.2357925 0.2963304 0.4764762
## BH.A18Q.02TCGA -0.03549070 0.3425375 -0.1492337 -0.9320530 -0.7815108
## C8.A130.02TCGA -0.36614470 0.3652661 -0.9991594 -1.0253983 -1.1401937
## C8.A138.03TCGA 0.81582548 -0.1386878 -0.3471448 0.8816540 1.0023396
## NP_057113 NP_036337 NP_071918 NP_006327 NP_001032726
## A0.A12D.01TCGA 0.6351456 1.33614847 1.4656816 0.20844821 0.5018027
## C8.A131.01TCGA 1.1931847 0.00715554 1.6141643 -0.01308386 -1.5836617
## A0.A12B.01TCGA -2.1730528 -1.04783439 0.2187292 0.05521221 -0.3605089
## BH.A18Q.02TCGA -0.7346755 1.19226445 0.1418145 0.01803541 -0.3165028
## C8.A130.02TCGA -3.2524293 -0.68429198 -0.1037552 -0.75316922 -0.2251103
## C8.A138.03TCGA 4.3047362 -1.40771513 0.4098830 0.66222564 0.3733116
## NP_001198 NP_004682 NP_689778 NP_004681 NP_001257448
## A0.A12D.01TCGA 0.5018027 -1.07926357 -0.70209355 0.58561823 -0.10395524
## C8.A131.01TCGA -0.9683838 1.66678672 0.78839656 0.95840756 -0.38548891
## A0.A12B.01TCGA -0.2856791 0.40441792 0.68156531 0.77579542 0.84508227
## BH.A18Q.02TCGA -0.3733743 -0.02545455 -0.09905295 -0.09570757 0.07825229
## C8.A130.02TCGA -0.1955915 -0.19231165 -0.85156529 0.61781597 0.54893872
## C8.A138.03TCGA 0.3440545 0.08805479 0.54885432 1.08645378 1.20348224
## NP_055387 NP_005021 NP_002939 NP_001240313 NP_002422
## A0.A12D.01TCGA NA 2.22383144 -0.1953904 -0.001090689 0.23892659
## C8.A131.01TCGA NA -0.07784996 0.0800174 0.241932634 0.88959358
## A0.A12B.01TCGA NA 0.17161412 -1.7102166 -2.860378305 -0.07781853
## BH.A18Q.02TCGA 0.7841279 -0.11577986 -2.1430813 -4.150310384 -1.60112941
## C8.A130.02TCGA 0.5161400 0.39806475 1.5624182 1.965842069 0.33902711
## C8.A138.03TCGA -0.2886305 2.38839532 0.2489689 -0.018002246 0.17582613
## NP_006160 NP_008976 NP_001008 NP_005702 NP_055814
## A0.A12D.01TCGA 0.9932666 -0.28682555 0.4332263 -1.1402203 -0.1877708
## C8.A131.01TCGA 3.8324030 -0.08189784 1.3105732 0.4078958 -0.4138241
## A0.A12B.01TCGA -3.0682388 1.80124076 -1.0810921 4.3703970 -1.3249818
## BH.A18Q.02TCGA 1.6539271 -1.29335427 0.1886499 -3.2403665 -0.2663220
## C8.A130.02TCGA -0.2021513 -1.18939178 1.3885851 -0.9991594 0.2045525
## C8.A138.03TCGA 1.0206253 0.49765438 -0.3800590 0.2416546 0.6549114
## NP_060386 NP_001244119 NP_001092885 NP_001177779 NP_077007
## A0.A12D.01TCGA 0.40655771 2.65052883 2.5248055 -0.07728665 -0.91163245
## C8.A131.01TCGA 0.09216104 0.63457708 0.6224334 -0.14261605 -0.51097322
## A0.A12B.01TCGA 0.79796721 -1.23075167 -1.2446090 0.45707592 0.18547148
## BH.A18Q.02TCGA -0.62427790 -0.04552684 -0.3733743 -0.91867151 -1.03910525
## C8.A130.02TCGA -0.11359479 -0.18575191 -0.0283182 0.36854593 0.07991747
## C8.A138.03TCGA -0.01800225 0.75731126 0.7902255 -0.74943008 -0.50074462
## NP_055880 NP_005554 NP_008960 NP_055268 NP_114143
## A0.A12D.01TCGA 1.9914338 -2.1002895 -2.1002895 -0.08490625 0.95516865
## C8.A131.01TCGA 1.2053283 -0.9036177 0.1488314 -0.82670793 1.02317365
## A0.A12B.01TCGA 0.3212737 -2.3199409 -2.0067644 1.53517926 0.26307275
## BH.A18Q.02TCGA 0.4228266 -0.6844948 0.7205656 -2.64823393 0.54995113
## C8.A130.02TCGA -1.0909957 0.7621302 1.3098683 2.83500732 0.01759996

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## C8.A138.03TCGA 2.2677097 -1.1078297 -2.3512570 0.12462618 -1.40040085
## NP_071357 NP_036313 NP_001185727 NP_001185728 NP_000323
## A0.A12D.01TCGA 1.0161254 1.9419064 0.8142061 1.2751917 1.91142799
## C8.A131.01TCGA 1.4927278 1.1810410 0.6629123 0.7803008 1.30652532
## A0.A12B.01TCGA -1.6547872 -0.7152575 -0.8704601 -0.4907681 -1.89867687
## BH.A18Q.02TCGA 0.5231881 0.9246339 1.2591721 1.1922644 -0.78820161
## C8.A130.02TCGA -0.5104589 -0.4350219 0.2668700 0.1947129 -0.06111689
## C8.A138.03TCGA -0.1021164 -0.5373160 0.9840539 0.9877110 1.10839662
## NP_079007 NP_006528 NP_001265612 NP_057095 NP_004291
## A0.A12D.01TCGA 1.1570880 0.6808632 0.8142061 0.1398718 -0.2563472
## C8.A131.01TCGA 2.1363409 0.5940983 2.6585175 -0.2397652 -1.3772197
## A0.A12B.01TCGA -0.8676886 -0.5157114 -1.3665539 1.2220027 -1.2113513
## BH.A18Q.02TCGA 2.6843048 0.0949792 -1.9423584 0.5098065 -0.3365751
## C8.A130.02TCGA 0.4013446 -0.2185506 -0.0283182 0.9523626 0.2143921
## C8.A138.03TCGA -1.0529726 1.2912536 0.5049687 -0.5044018 -0.8335443
## NP_009030 NP_113663 NP_112486 NP_037364 NP_001012777
## A0.A12D.01TCGA -1.02592640 0.3989381 0.61990641 -1.3002319 -0.22586878
## C8.A131.01TCGA -1.81843876 -0.5919308 -0.74979819 0.8329233 0.86530630
## A0.A12B.01TCGA 0.02195453 1.3855197 1.14717292 0.7480807 -0.01407463
## BH.A18Q.02TCGA -0.24290437 -10.4362829 0.26893905 0.3291559 0.59344109
## C8.A130.02TCGA 0.53909911 0.3259076 0.07007786 -0.6547732 0.68669321
## C8.A138.03TCGA -1.91240033 1.9129672 -0.96154415 -0.7860015 -0.55925884
## NP_055513 XP_003960281 XP_003960282 NP_612404 NP_055112
## A0.A12D.01TCGA 4.3916066 0.7608689 0.7608689 -1.2049869 3.1458026
## C8.A131.01TCGA 1.2498550 -0.3976326 0.5212364 -0.1385682 0.4483746
## A0.A12B.01TCGA -1.2556949 1.4908357 1.4270918 0.5069625 0.9005117
## BH.A18Q.02TCGA -0.9889245 0.3559190 0.5231881 -0.7514024 0.2388306
## C8.A130.02TCGA -3.7804882 -1.0614769 -0.8450055 0.9064444 2.2577504
## C8.A138.03TCGA 2.1689670 1.6386818 0.9255397 -0.6104588 -0.4824589
## NP_588614 NP_001093214 NP_055538 NP_001786 NP_808818
## A0.A12D.01TCGA -5.3729061 -2.1117189 -2.3822145 -1.10974196 -2.1231483
## C8.A131.01TCGA -6.5746988 -1.5512786 -3.4375911 0.44027880 -1.0493414
## A0.A12B.01TCGA -7.0425324 0.4155038 0.4071894 -1.07277766 -1.9929070
## BH.A18Q.02TCGA 1.3963327 -4.2272542 -4.9833105 -0.18603288 -1.3268081
## C8.A130.02TCGA 0.9326834 -3.5738564 -6.7520494 -0.39238365 -0.2907077
## C8.A138.03TCGA 0.1319405 1.7154817 1.7227960 0.05879768 -1.8538861
## NP_003109 NP_005189 NP_666499 NP_036212 NP_001171606
## A0.A12D.01TCGA 0.2884540 0.09034447 -0.4696959 -1.71930966 -1.65073329
## C8.A131.01TCGA 2.7597146 1.38343506 -1.5107998 -1.80629512 -1.68485869
## A0.A12B.01TCGA -1.6243010 0.15221380 1.5157789 -0.47136782 -0.37159476
## BH.A18Q.02TCGA -1.7951616 0.68042102 0.6235495 0.91125237 0.81423630
## C8.A130.02TCGA 0.5358192 -1.32058653 -0.5596570 0.04383891 0.04383891
## C8.A138.03TCGA 1.4997105 0.65856850 -0.9798298 0.10999762 0.27822603
## NP_653337 NP_660306 NP_001240 NP_004634 NP_001186793
## A0.A12D.01TCGA 1.0008862 -0.7059034 -2.237442 -0.6335172 -0.6716152
## C8.A131.01TCGA -0.1507118 -0.2883398 -2.207035 -0.2923876 -0.4300156
## A0.A12B.01TCGA -0.1692772 4.0461346 4.035049 0.8035102 0.7591666
## BH.A18Q.02TCGA 0.5532965 -3.8492260 -4.300853 0.2087222 0.2823206
## C8.A130.02TCGA -0.5760563 -1.4419417 -2.343906 0.6014166 0.6702939
## C8.A138.03TCGA -0.9834870 1.3643964 6.071134 0.5488543 0.5159401
## NP_006616 XP_003960063 NP_542781 NP_036379 NP_057491
## A0.A12D.01TCGA 0.08272487 0.08272487 -0.1420532 -0.06204746 -1.01449700
## C8.A131.01TCGA -0.13047241 -0.13047241 -0.1830949 -0.72551091 -0.95624012
## A0.A12B.01TCGA -0.21916370 -0.21916370 -1.6935878 0.63999320 -0.18867749

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | BH.A18Q.02TCGA | 0.23548523 | 0.23548523 | -0.8785269 | 1.05175841 | 0.81423630 |
| ## | C8.A130.02TCGA | 0.55549846 | 0.55549846 | 0.8047685 | -0.27102850 | -0.07751624 |
| ## | C8.A138.03TCGA | 0.30016886 | 0.31479742 | 0.1392547 | -1.16634394 | 2.18359553 |
| ## | | NP_038478 | NP_001137498 | NP_002786 | NP_003711 | NP_005393 |
| ## | A0.A12D.01TCGA | -1.07545377 | 0.19320902 | -0.4315979 | 0.06748568 | 2.6581484 |
| ## | C8.A131.01TCGA | 1.47653632 | 0.42813516 | -1.0007668 | -0.17499910 | 1.2660465 |
| ## | A0.A12B.01TCGA | -0.06673264 | -0.04178937 | 0.9587127 | -0.35496592 | -1.0838636 |
| ## | BH.A18Q.02TCGA | -0.44697266 | 0.02138080 | 0.3358467 | -0.01876379 | -1.7249085 |
| ## | C8.A130.02TCGA | 0.73917111 | 0.17175380 | 0.2373512 | 1.91992391 | 0.2832693 |
| ## | C8.A138.03TCGA | 1.01696814 | -0.88108709 | -0.3544590 | -2.34394276 | 0.7902255 |
| ## | | NP_002872 | NP_079202 | NP_001243439 | NP_000104 | NP_001078816 |
| ## | A0.A12D.01TCGA | 1.9571456 | -0.6220878 | -2.7517650 | -0.7287621 | -1.8907506 |
| ## | C8.A131.01TCGA | 1.2660465 | -1.2072087 | -2.6887332 | -0.2033343 | -1.8953485 |
| ## | A0.A12B.01TCGA | -1.3582395 | 1.1915165 | 2.3167349 | -0.8760030 | -0.2385640 |
| ## | BH.A18Q.02TCGA | -1.5074587 | -2.2334066 | -0.3967919 | 0.2923567 | -0.6711132 |
| ## | C8.A130.02TCGA | -0.6974115 | -0.7531692 | -0.2579090 | -2.1897518 | 0.3095083 |
| ## | C8.A138.03TCGA | 0.8304540 | 2.3883953 | -1.1261154 | 0.5415400 | -1.1297726 |
| ## | | NP_001238947 | NP_835368 | NP_058626 | NP_056226 | NP_001035934 |
| ## | A0.A12D.01TCGA | -1.8412232 | -1.1592693 | 1.43139342 | -1.31166126 | -1.2278457 |
| ## | C8.A131.01TCGA | -1.5715180 | -1.3205494 | 0.60624192 | -0.04546691 | 0.1488314 |
| ## | A0.A12B.01TCGA | 0.7868813 | -0.3521944 | -1.82939002 | 2.24467658 | 2.0451305 |
| ## | BH.A18Q.02TCGA | -0.5272618 | -1.9122499 | -3.55483241 | -0.21614132 | -0.1492337 |
| ## | C8.A130.02TCGA | 0.3095083 | -0.9040432 | -0.03815781 | -1.08771585 | -0.9138828 |
| ## | C8.A138.03TCGA | -2.7096567 | 0.4793687 | 1.71182458 | -0.30691624 | -0.1277164 |
| ## | | NP_002712 | NP_056347 | NP_001018100 | NP_057218 | NP_067639 |
| ## | A0.A12D.01TCGA | -0.76305032 | -0.62208779 | -0.5573212 | -3.0946468 | 2.07524931 |
| ## | C8.A131.01TCGA | -0.55954779 | 0.11240044 | -0.5554999 | -0.2195258 | 1.45224903 |
| ## | A0.A12B.01TCGA | -0.04733232 | 0.11064169 | 0.4349041 | 0.3212737 | -0.57114088 |
| ## | BH.A18Q.02TCGA | 0.91794314 | 0.23548523 | 0.2354852 | 2.5638710 | 1.82788700 |
| ## | C8.A130.02TCGA | 2.38894515 | -0.03159807 | -0.1398337 | 0.9195639 | -0.06767663 |
| ## | C8.A138.03TCGA | 0.22702608 | 0.92188252 | 3.3136515 | -2.1720572 | -1.55765784 |
| ## | | NP_689787 | NP_060962 | NP_055755 | NP_000301 | NP_078895 |
| ## | A0.A12D.01TCGA | 2.31526660 | -2.6222318 | 1.30947988 | -0.54208203 | -1.16688893 |
| ## | C8.A131.01TCGA | -0.07380208 | -1.3448367 | 0.99888637 | 0.07192163 | -0.62026600 |
| ## | A0.A12B.01TCGA | -0.78177290 | -1.8737336 | 0.05521221 | 1.01968512 | -0.52679730 |
| ## | BH.A18Q.02TCGA | -0.54398874 | -1.5509487 | 0.76071019 | -0.39344655 | -0.70456707 |
| ## | C8.A130.02TCGA | -2.65877303 | 0.7227718 | 0.14223498 | -0.41534273 | -0.01519873 |
| ## | C8.A138.03TCGA | 2.35548107 | -0.6653159 | -0.92497276 | -0.29228768 | -1.77708618 |
| ## | | NP_115910 | NP_001177396 | NP_000495 | NP_783322 | NP_071761 |
| ## | A0.A12D.01TCGA | -2.64890041 | 1.2256643 | -0.3439725 | -0.5230330 | 1.1647075 |
| ## | C8.A131.01TCGA | -3.17043099 | 1.3389084 | 1.8367977 | -1.8022472 | -0.6607448 |
| ## | A0.A12B.01TCGA | 0.02749747 | -0.8455168 | -2.0649653 | 0.3129593 | -0.2274781 |
| ## | BH.A18Q.02TCGA | -1.67472781 | -1.5041133 | -0.9922699 | 0.3893728 | 0.6770756 |
| ## | C8.A130.02TCGA | -1.16315283 | 0.6309354 | 0.8113282 | 0.8146081 | 1.0868372 |
| ## | C8.A138.03TCGA | -0.25205915 | -0.5812017 | -3.1997133 | 2.4761667 | 0.3769688 |
| ## | | NP_001182177 | NP_778243 | NP_004499 | NP_150286 | NP_006699 |
| ## | A0.A12D.01TCGA | -1.0564048 | -1.0564048 | -0.06585726 | 0.69229258 | -1.3154711 |
| ## | C8.A131.01TCGA | -1.1626820 | -1.1626820 | 0.62243344 | 0.47266185 | -1.9601146 |
| ## | A0.A12B.01TCGA | 0.5235913 | 0.5235913 | -0.14710538 | -0.80948764 | 0.1965574 |
| ## | BH.A18Q.02TCGA | 1.0584492 | 1.0584492 | 0.35257360 | 0.03141694 | 0.3358467 |
| ## | C8.A130.02TCGA | -0.3891038 | -0.3891038 | -1.27138850 | -0.57933617 | 0.4964608 |
| ## | C8.A138.03TCGA | 1.4302249 | 1.4302249 | 0.18679755 | 1.31685355 | -1.2870295 |
| ## | | NP_006547 | NP_689494 | NP_056238 | NP_001017926 | NP_001025041 |
| ## | A0.A12D.01TCGA | -0.1572924 | 1.1380390 | 0.18939922 | -0.6106584 | NA |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A131.01TCGA | 0.2905072 | -0.5393084 | 0.02739495 | 0.5293322 | NA |
| ## | A0.A12B.01TCGA | 0.7342233 | -0.6154845 | 1.20537387 | 0.4986480 | NA |
| ## | BH.A18Q.02TCGA | -1.0089968 | -0.6075510 | 0.59009571 | 1.2190275 | -3.477889 |
| ## | C8.A130.02TCGA | 0.6145361 | -0.8450055 | -1.23203008 | -0.1824720 | -2.360305 |
| ## | C8.A138.03TCGA | -1.6308006 | -0.2228020 | 0.58176858 | 0.9474825 | -1.250458 |
| ## | | NP_079472 | NP_001103447 | NP_055545 | NP_057104 | NP_006205 |
| ## | A0.A12D.01TCGA | -0.3515921 | 0.5437104 | 2.12096689 | -0.3858803 | -0.8697247 |
| ## | C8.A131.01TCGA | -0.8631389 | -0.0899936 | -0.38144103 | -1.1991130 | 3.9659831 |
| ## | A0.A12B.01TCGA | 1.6737530 | -0.3466515 | -2.10930888 | -0.9702331 | -0.6154845 |
| ## | BH.A18Q.02TCGA | -1.6178563 | 0.0949792 | -0.08232604 | 0.8343086 | -3.0730974 |
| ## | C8.A130.02TCGA | 1.8379272 | -1.5403377 | -1.34354562 | -0.4743804 | 0.5161400 |
| ## | C8.A138.03TCGA | -1.1809725 | 0.2306832 | 2.17993839 | -0.3288591 | -5.1782256 |
| ## | | NP_071424 | NP_443169 | NP_008933 | NP_006749 | NP_001020374 |
| ## | A0.A12D.01TCGA | 0.65038480 | -1.3269005 | 0.2617854 | -0.05442786 | -0.05442786 |
| ## | C8.A131.01TCGA | 1.39153082 | -0.5554999 | -0.4704944 | -0.14261605 | -0.15880758 |
| ## | A0.A12B.01TCGA | -1.68527338 | 2.3804788 | -0.1110762 | -0.06950411 | 0.36284581 |
| ## | BH.A18Q.02TCGA | 2.16577057 | -1.4305149 | -2.6080893 | 1.00157768 | 0.91459775 |
| ## | C8.A130.02TCGA | -0.49077971 | -0.3399057 | 0.7654101 | 1.57225781 | 1.70017269 |
| ## | C8.A138.03TCGA | -0.01800225 | -1.2029153 | 0.4281687 | -0.80063003 | -1.31262951 |
| ## | | NP_659424 | NP_065894 | NP_001177386 | NP_113631 | NP_001025006 |
| ## | A0.A12D.01TCGA | 0.06748568 | -0.3744509 | 0.21987760 | 0.006528907 | 0.006528907 |
| ## | C8.A131.01TCGA | 0.41599151 | 0.7762529 | -1.98844976 | 0.177166539 | 0.177166539 |
| ## | A0.A12B.01TCGA | 0.36284581 | -1.0949494 | -2.67191808 | 0.299101914 | 0.299101914 |
| ## | BH.A18Q.02TCGA | 2.71775858 | -0.3231935 | 0.73060175 | 0.265593672 | 0.265593672 |
| ## | C8.A130.02TCGA | 2.14295499 | 1.4705819 | -0.36286483 | 0.096316815 | 0.096316815 |
| ## | C8.A138.03TCGA | -0.94325846 | NA | 0.08439765 | -0.186230648 | -0.186230648 |
| ## | | NP_000207 | NP_004674 | NP_000362 | NP_001907 | NP_004369 |
| ## | A0.A12D.01TCGA | 0.1665404 | -0.9992578 | -1.6240647 | 0.120822852 | -0.4735057 |
| ## | C8.A131.01TCGA | -0.9967189 | -0.5797872 | -0.3895368 | -0.223573673 | -3.4537827 |
| ## | A0.A12B.01TCGA | 1.2220027 | 3.8549029 | -1.7046737 | -0.002988738 | 1.6488097 |
| ## | BH.A18Q.02TCGA | -6.0571780 | 3.7146824 | 0.2321399 | -0.875181542 | -0.6778040 |
| ## | C8.A130.02TCGA | -0.2021513 | -1.0516373 | 0.8900451 | -1.494419585 | 3.2777896 |
| ## | C8.A138.03TCGA | 0.3806259 | -1.9672574 | -0.6872587 | 0.779254092 | -1.7478291 |
| ## | | NP_002023 | NP_001327 | NP_001919 | NP_037408 | NP_000811 |
| ## | A0.A12D.01TCGA | -0.72876214 | 0.61990641 | -1.6697823 | -1.2507045 | 2.1171571 |
| ## | C8.A131.01TCGA | 1.16080161 | 4.92128299 | -2.4944349 | -1.7091460 | -1.0452935 |
| ## | A0.A12B.01TCGA | 0.01918305 | 0.03026895 | -3.1014965 | 1.9730721 | 0.4737048 |
| ## | BH.A18Q.02TCGA | 4.60120856 | 0.75736481 | -1.2766274 | -0.4068281 | 0.6168588 |
| ## | C8.A130.02TCGA | -0.01191886 | -1.17299244 | -0.4284622 | -1.1926716 | -0.0709565 |
| ## | C8.A138.03TCGA | -0.68725871 | 0.12462618 | -1.2431439 | 0.5159401 | -0.2922877 |
| ## | | NP_001793 | NP_004112 | NP_002937 | NP_057147 | NP_077295 |
| ## | A0.A12D.01TCGA | 2.060010118 | -0.08109645 | -0.8544855 | -1.3954768 | 0.79134733 |
| ## | C8.A131.01TCGA | 1.096035510 | 0.31884237 | -0.3814410 | -1.1019638 | 0.46456609 |
| ## | A0.A12B.01TCGA | -0.177591593 | 3.04840400 | 1.6377238 | 1.5462652 | -0.30230792 |
| ## | BH.A18Q.02TCGA | 0.007999269 | 0.34253745 | 0.4027543 | 1.1387383 | -1.77843464 |
| ## | C8.A130.02TCGA | -0.310386924 | -1.19595152 | 0.2537505 | -1.7896078 | 0.64077505 |
| ## | C8.A138.03TCGA | 0.435483010 | 0.54154005 | -0.4239447 | -0.1313736 | 0.05514054 |
| ## | | NP_006345 | NP_065683 | NP_002781 | NP_001129224 | NP_001129225 |
| ## | A0.A12D.01TCGA | -0.75162093 | -5.049073 | -0.61446819 | -0.5801800 | -0.5801800 |
| ## | C8.A131.01TCGA | -0.17904698 | -2.073455 | -0.55549991 | -0.7457503 | -0.7457503 |
| ## | A0.A12B.01TCGA | -0.09167590 | -2.660832 | 0.78133837 | -0.6376563 | -0.6376563 |
| ## | BH.A18Q.02TCGA | 0.81423630 | -1.678073 | -0.31984815 | -0.2027598 | -0.2529405 |
| ## | C8.A130.02TCGA | 0.55877833 | -2.543978 | 0.22095183 | 1.0409190 | 1.0409190 |
| ## | C8.A138.03TCGA | -0.06554506 | 6.334448 | 0.07342623 | 0.2855403 | 0.2855403 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|-------------|--------------|
| ## | | NP_002873 | NP_848604 | NP_056982 | NP_776185 | NP_002966 |
| ## | AO.A12D.01TCGA | 0.24654619 | -1.1706987 | -0.63351718 | 0.6503848 | 1.3437681 |
| ## | C8.A131.01TCGA | -0.42191984 | -0.7012236 | 0.12049621 | -0.5474041 | -1.7415290 |
| ## | AO.A12B.01TCGA | 0.28801602 | -0.6736854 | -0.03901790 | -0.1055333 | -3.0266667 |
| ## | BH.A18Q.02TCGA | 0.07490691 | -1.3468804 | -0.49715339 | -1.0524868 | 0.1016700 |
| ## | C8.A130.02TCGA | 1.05731839 | -0.5924556 | 0.02743957 | 0.4374232 | -0.1496734 |
| ## | C8.A138.03TCGA | -0.27400199 | -1.6015435 | 0.25628319 | 0.1685119 | 1.5435962 |
| ## | | NP_001863 | NP_003244 | NP_000572 | NP_003155 | NP_116201 |
| ## | AO.A12D.01TCGA | 0.7456298 | 0.6389554 | 0.06367588 | 3.0200793 | 1.4085346 |
| ## | C8.A131.01TCGA | 0.5779068 | 0.8814978 | 0.57790675 | 0.9098330 | -0.1992864 |
| ## | AO.A12B.01TCGA | -2.4806864 | 0.7868813 | 0.25198686 | -0.9064892 | -2.7190331 |
| ## | BH.A18Q.02TCGA | 0.2522121 | -1.8152338 | 1.21902750 | -1.6814186 | -1.2197559 |
| ## | C8.A130.02TCGA | 0.9392431 | -0.2743084 | -0.10375519 | 0.5194199 | 0.1815934 |
| ## | C8.A138.03TCGA | -1.2943438 | -0.4861161 | -0.60680165 | 1.4521677 | 0.9438254 |
| ## | | NP_060309 | NP_006545 | NP_054893 | NP_954994 | NP_079422 |
| ## | AO.A12D.01TCGA | 2.962932 | -0.5039840 | -1.23546530 | -1.23546530 | 0.25416579 |
| ## | C8.A131.01TCGA | 3.391184 | -0.4623986 | -0.93600072 | -0.77813336 | -0.50692534 |
| ## | AO.A12B.01TCGA | -1.214123 | 1.3245472 | 0.06075516 | 0.06075516 | 0.07184106 |
| ## | BH.A18Q.02TCGA | 2.052028 | 0.2957021 | 1.31604358 | 1.18891907 | 0.12174225 |
| ## | C8.A130.02TCGA | -1.543618 | 0.8933250 | -0.80236725 | -0.92700227 | 0.08319734 |
| ## | C8.A138.03TCGA | -0.405659 | -1.3821152 | -0.48611606 | -0.44588753 | -0.87742995 |
| ## | | NP_001129294 | NP_001995 | NP_009167 | NP_115873 | NP_001159743 |
| ## | AO.A12D.01TCGA | 0.4941831 | 0.5399006 | -0.77447972 | -0.2144394 | -1.1745085 |
| ## | C8.A131.01TCGA | 0.1650229 | 0.1650229 | 0.08811316 | -0.4988296 | -0.3976326 |
| ## | AO.A12B.01TCGA | -0.8094876 | -0.8094876 | -1.42752631 | -0.8427453 | -1.5300708 |
| ## | BH.A18Q.02TCGA | -0.5205711 | -0.3566474 | -0.21279593 | -2.0929005 | 1.2792444 |
| ## | C8.A130.02TCGA | -2.2258303 | -2.2455096 | -0.81548673 | -0.9729204 | 0.3324674 |
| ## | C8.A138.03TCGA | -0.6287445 | -0.6324016 | -1.27971526 | 0.8560540 | 0.4647401 |
| ## | | NP_001166951 | NP_056135 | NP_694999 | NP_954664 | NP_004890 |
| ## | AO.A12D.01TCGA | -2.0202837 | -0.564940818 | -1.4145258 | -0.3249235 | -0.4011195 |
| ## | C8.A131.01TCGA | 3.0592578 | 0.403847871 | -1.0210062 | 0.2743157 | 0.4402788 |
| ## | AO.A12B.01TCGA | 2.5938823 | -0.002988738 | 1.0917434 | 0.4958766 | 0.5457631 |
| ## | BH.A18Q.02TCGA | 3.4236341 | 3.423634149 | 3.9555499 | 0.5365696 | 0.5365696 |
| ## | C8.A130.02TCGA | 0.3947849 | 0.394784882 | -0.6514933 | 0.5784575 | 0.7949289 |
| ## | C8.A138.03TCGA | 2.4139953 | 1.038910973 | 0.5598257 | -0.3800590 | -0.3361734 |
| ## | | NP_053733 | NP_001010883 | NP_001080 | NP_061985 | NP_079066 |
| ## | AO.A12D.01TCGA | 0.2770246 | -0.7897189 | -1.742168451 | 0.4522753 | NA |
| ## | C8.A131.01TCGA | -0.4340635 | -0.7619418 | 0.181214420 | 2.4358841 | NA |
| ## | AO.A12B.01TCGA | 1.3550335 | 1.3023755 | 3.627642039 | -0.8288880 | NA |
| ## | BH.A18Q.02TCGA | -0.3198482 | -0.6978763 | -0.303121244 | 2.1456983 | -4.43801322 |
| ## | C8.A130.02TCGA | 0.3357472 | -0.6842920 | -2.238949818 | -0.1759123 | 0.01759996 |
| ## | C8.A138.03TCGA | 0.1648547 | -0.7677158 | 0.007597728 | 0.1026833 | 1.05719667 |
| ## | | NP_001679 | NP_062559 | NP_079368 | NP_006305 | NP_001092906 |
| ## | AO.A12D.01TCGA | 1.3209093 | -1.6354941 | -2.1269581 | 0.07891507 | -1.6774019 |
| ## | C8.A131.01TCGA | -0.7255109 | -0.7133673 | -0.4502550 | 0.53742794 | 1.0798440 |
| ## | AO.A12B.01TCGA | -1.3720968 | 0.5568490 | 1.5296363 | 0.33790255 | 1.9259571 |
| ## | BH.A18Q.02TCGA | -0.8517639 | 0.9212885 | 0.3492282 | -1.63792861 | 1.2457906 |
| ## | C8.A130.02TCGA | -1.1861119 | -0.3858239 | -1.4550612 | -0.14311361 | 0.3259076 |
| ## | C8.A138.03TCGA | 1.0791395 | -1.5064579 | 0.3001689 | -0.77503005 | -0.5775445 |
| ## | | NP_001614 | NP_004838 | NP_056117 | NP_060551 | NP_001157814 |
| ## | AO.A12D.01TCGA | 0.2655952 | 0.72277096 | 0.06367588 | -1.1249811 | 0.5170419 |
| ## | C8.A131.01TCGA | 0.9098330 | 0.26217204 | 0.86935418 | -0.7497982 | 1.2296156 |
| ## | AO.A12B.01TCGA | -1.7989038 | -1.30003851 | -1.71298812 | -0.5905412 | -1.3166674 |
| ## | BH.A18Q.02TCGA | 2.3531120 | -3.17011350 | 0.60347724 | 0.3559190 | 3.4069072 |


```

## C8.A130.02TCGA -0.1299941 -0.17591230 0.56533806 0.2307914 0.1389551
## C8.A138.03TCGA -0.8298871 -0.03994508 0.03319770 -0.5044018 0.2599403
## NP_116181 NP_000469 NP_005014 NP_659436 NP_444284
## A0.A12D.01TCGA NA 1.1647075 -0.9002031 -0.06204746 -3.7499321
## C8.A131.01TCGA NA 3.6907272 0.1812144 -0.81456429 -1.5755659
## A0.A12B.01TCGA NA -2.8631498 1.7264110 -0.01407463 0.2713872
## BH.A18Q.02TCGA 0.84099935 2.2293328 -0.1994144 -0.01541840 -4.2473265
## C8.A130.02TCGA 0.08319734 0.4013446 -1.2221905 0.62765557 -2.0913557
## C8.A138.03TCGA -0.52634459 -5.4525110 -1.6929720 0.58176858 -0.8481728
## NP_689775 NP_003077 NP_006824 NP_001034702 NP_112496
## A0.A12D.01TCGA 0.4065577 -0.4201685 -0.4201685 -1.2049869 0.09415427
## C8.A131.01TCGA -0.4988296 0.5252843 -0.3571537 -1.4946083 -1.30435788
## A0.A12B.01TCGA -2.4668290 -0.5184829 0.7951957 2.1393606 1.45757799
## BH.A18Q.02TCGA -0.8618000 -0.8149647 0.1485053 -0.2529405 -0.33322968
## C8.A130.02TCGA -1.1959515 -1.3468255 0.7457309 -0.7990874 -0.42518234
## C8.A138.03TCGA -0.2740020 2.5054238 -0.5775445 -0.4678304 -1.94897173
## NP_001036189 NP_002847 NP_005848 NP_803882 NP_660331
## A0.A12D.01TCGA -2.2374422 -2.2374422 2.23145104 0.63514560 -5.6014940
## C8.A131.01TCGA 0.2581242 0.2581242 -0.04951479 0.00715554 3.2818912
## A0.A12B.01TCGA -0.6736854 -0.6653710 -3.18464075 -0.99517639 -3.4091301
## BH.A18Q.02TCGA -0.8551093 -0.1458883 -1.11270366 -0.96216147 -2.4240933
## C8.A130.02TCGA -0.9532412 -0.9729204 -2.58333605 -2.20615113 0.7949289
## C8.A138.03TCGA 1.0645109 0.9694253 1.30953927 2.27136687 -2.8559422
## NP_665877 NP_005708 NP_001073331 NP_001192048 NP_001258965
## A0.A12D.01TCGA -1.7345489 0.86373349 2.2314510 0.3265520 0.7913473
## C8.A131.01TCGA -1.1505384 2.16467608 -0.5474041 -0.3085792 0.8491148
## A0.A12B.01TCGA 2.7906569 -0.64874215 -2.1481095 0.5956496 2.7573992
## BH.A18Q.02TCGA -1.3836796 0.40609971 2.0118830 -0.6978763 -0.2997759
## C8.A130.02TCGA -0.2415097 -0.75316922 1.7723298 -0.3267863 -1.1041152
## C8.A138.03TCGA 0.8706826 -0.09114503 -0.2813163 -0.2410877 -0.1313736
## NP_065998 NP_001013728 NP_004055 NP_003780 NP_115553
## A0.A12D.01TCGA 3.05436744 -1.1973673 -1.9136094 1.3437681 -0.1001454
## C8.A131.01TCGA 3.32641790 -0.9562401 -1.4136507 1.1648495 -0.9198092
## A0.A12B.01TCGA -1.26400935 3.3061511 0.3905606 0.1300420 1.3855197
## BH.A18Q.02TCGA 1.55356569 -2.3471496 0.1953407 -0.5372980 -0.7547478
## C8.A130.02TCGA -0.39566352 1.2934690 -0.7302101 -0.7958075 -0.2447895
## C8.A138.03TCGA -0.02531652 -1.5101150 1.4009677 -1.0273727 0.7609684
## NP_064536 NP_000895 NP_001265233 NP_149023 NP_057001
## A0.A12D.01TCGA -0.30587454 -1.151650 -0.07347685 1.14946836 -1.0716440
## C8.A131.01TCGA 0.15692713 -3.089473 -2.00464128 1.15270584 -0.2073821
## A0.A12B.01TCGA -0.72357195 1.028000 -0.46582488 -0.30785086 2.5218240
## BH.A18Q.02TCGA 0.52653346 1.583674 0.15185069 0.31577440 0.5934411
## C8.A130.02TCGA -0.06767663 -2.740770 -0.47110050 -0.04799742 -1.6715325
## C8.A138.03TCGA -0.11674500 -2.226914 1.27296788 -0.00337369 0.5488543
## NP_066564 NP_003875 NP_005693 NP_004556 NP_060848
## A0.A12D.01TCGA -1.5326296 -2.6641396 1.0275548 1.31328968 0.66943379
## C8.A131.01TCGA 0.2621720 -1.8467739 -1.1829215 -0.06570632 0.03144283
## A0.A12B.01TCGA -1.0616918 -1.0589203 0.1854715 -1.94302045 1.97307214
## BH.A18Q.02TCGA 0.6837664 1.7107986 -0.5138803 -2.72852309 0.40944509
## C8.A130.02TCGA 0.8441269 0.2931089 -1.2418697 -0.65149329 -1.37962418
## C8.A138.03TCGA -0.3105734 0.7755970 -0.4349161 2.05193852 0.14656902
## NP_114160 NP_066960 NP_849194 NP_848659 NP_077297
## A0.A12D.01TCGA -0.26396676 0.6160966 -0.26396676 0.28083438 -0.57637021
## C8.A131.01TCGA 0.49290125 0.6345771 0.21764535 0.09216104 -0.53526050

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## A0.A12B.01TCGA -1.12543566 -1.2695523 -1.54392821 0.48756214 0.75639510
## BH.A18Q.02TCGA 0.04814385 0.1786137 -0.01541840 2.09886293 -0.25294052
## C8.A130.02TCGA -0.09063571 -0.1857519 0.04055904 -1.70105132 -0.01519873
## C8.A138.03TCGA 0.72805414 0.3952545 0.39525448 0.09171193 -0.69823013
## NP_001375 NP_005931 NP_055952 NP_005689 NP_542397
## A0.A12D.01TCGA -0.7325719 1.7361773 2.9934107 1.64093232 -0.71733274
## C8.A131.01TCGA -0.2842919 0.7398220 0.7803008 -0.08594572 -0.70122362
## A0.A12B.01TCGA 0.6566220 -2.2755973 -0.9342040 0.25198686 0.06352663
## BH.A18Q.02TCGA 0.5466057 -0.1325068 -3.1734589 -1.10935827 0.28566596
## C8.A130.02TCGA 0.1750337 1.2869092 -1.8650448 -1.01227886 0.45710239
## C8.A138.03TCGA -1.4077151 0.7353684 2.8016520 0.62199711 0.25994033
## NP_443160 NP_001003891 NP_065955 NP_775745 NP_057457
## A0.A12D.01TCGA -0.42016849 0.36464993 -1.7916958 -0.50017425 0.04462689
## C8.A131.01TCGA 0.52933218 -0.37739315 9.5075321 0.26621992 -0.72955879
## A0.A12B.01TCGA 1.21368829 0.05244074 -0.8427453 0.41550382 1.71532507
## BH.A18Q.02TCGA 0.05483462 0.23883062 -0.8250008 -0.05221761 -0.80158314
## C8.A130.02TCGA -0.15951296 0.47022187 -0.1004753 -0.20543112 -1.18611191
## C8.A138.03TCGA -0.47514464 -0.39834472 -1.0200584 -0.56291598 0.30016886
## NP_976035 NP_006626 NP_775751 XP_003960920 NP_659413
## A0.A12D.01TCGA -1.2773731 -0.4354077 4.380177 NA NA
## C8.A131.01TCGA -0.5959787 -2.2191790 2.257777 NA NA
## A0.A12B.01TCGA 0.5845637 -1.6049006 3.342180 NA NA
## BH.A18Q.02TCGA -0.3365751 -1.8654146 -1.862069 -1.1026675 -5.378066
## C8.A130.02TCGA 0.8605263 -0.2283902 1.470582 1.4312234 2.382385
## C8.A138.03TCGA -0.3508019 0.3257688 NA -0.5738874 NA
## NP_003408 NP_001124317 NP_998763 NP_710155 NP_115919
## A0.A12D.01TCGA -2.2183932 NA 0.7342004 0.7342004 0.8523041
## C8.A131.01TCGA -0.3976326 NA 0.5738589 0.5738589 -0.6283618
## A0.A12B.01TCGA -1.9208487 NA 2.9597168 2.9597168 1.4409492
## BH.A18Q.02TCGA -9.9043672 -2.0962459 -1.5810571 -6.1073588 -6.1073588
## C8.A130.02TCGA -2.3799842 1.0737177 -0.5170187 -0.2775882 -0.4087830
## C8.A138.03TCGA 1.7227960 -0.7384587 0.7573113 1.2693107 1.7227960
## NP_067040 NP_060122 NP_659448 NP_114068 NP_055603
## A0.A12D.01TCGA NA NA NA -0.6754250 0.05605628
## C8.A131.01TCGA NA NA NA -0.1547597 -0.21952579
## A0.A12B.01TCGA NA NA NA 0.9088262 3.69138594
## BH.A18Q.02TCGA -3.581595 -4.3878325 -5.378066 -1.2732820 0.96477848
## C8.A130.02TCGA 1.004840 -2.1930317 2.382385 0.4079044 -1.47802024
## C8.A138.03TCGA -2.040400 0.8999397 NA -1.1919439 -1.23582959
## NP_077003 NP_932332 NP_004177 NP_057055 NP_003301
## A0.A12D.01TCGA -0.16872181 0.7608689 3.622027365 0.2427364 0.01033871
## C8.A131.01TCGA 0.32289025 -0.6647927 0.003107659 -1.1505384 0.73982199
## A0.A12B.01TCGA 0.07184106 -1.3831827 2.100559933 2.2003330 1.33286167
## BH.A18Q.02TCGA -1.63792861 -2.5344909 -5.100398833 0.5800596 -0.76478394
## C8.A130.02TCGA 1.00484049 0.1619142 -1.104115190 0.6637341 0.44726278
## C8.A138.03TCGA 0.08805479 1.3095393 -0.786001471 -0.5226875 -0.34714477
## NP_001093634 NP_620602 NP_689628 NP_001164432 NP_055921
## A0.A12D.01TCGA 0.4827537 1.38948564 -0.36302152 NA 0.6656240
## C8.A131.01TCGA 0.9705512 1.10008339 -0.58788296 NA 0.6750559
## A0.A12B.01TCGA 2.4580801 1.00305628 1.30791840 NA 0.1134132
## BH.A18Q.02TCGA -1.1762659 -0.95547071 -0.08567142 0.2321399 1.2524813
## C8.A130.02TCGA -0.9434016 -0.01519873 -0.94012175 -3.7411298 -0.1791922
## C8.A138.03TCGA 2.7175378 0.04051198 0.38794020 -0.7604015 0.1465690
## NP_116264 NP_036289 NP_002890 NP_001124464 NP_004802

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## A0.A12D.01TCGA 7.3822982 11.3559176 -3.2660877 -3.3880013 0.87516289
## C8.A131.01TCGA -0.3935847 0.7398220 1.2943817 1.7517922 0.73577411
## A0.A12B.01TCGA -0.8593742 -1.7379314 -4.0798268 -4.3292595 -2.13702362
## BH.A18Q.02TCGA -1.1729205 -4.3610694 -2.6315070 -2.8957922 1.83792315
## C8.A130.02TCGA -0.9204425 -1.0352379 -0.7203705 -0.8614049 -0.04471755
## C8.A138.03TCGA 0.7353684 -0.8042872 -5.4195968 -5.9864534 -0.51537317
## NP_036307 NP_612361 NP_001071087 NP_001893 NP_859526
## A0.A12D.01TCGA -0.11157484 0.8027767 0.80658652 -1.1935575 -0.3439725
## C8.A131.01TCGA 0.08406528 -0.6121702 0.73172623 -1.9479709 -0.2114300
## A0.A12B.01TCGA 0.51527688 -0.3466515 0.30741634 0.9503983 0.3185022
## BH.A18Q.02TCGA -0.32988430 -1.7583624 0.02807156 -2.6984147 -0.1826875
## C8.A130.02TCGA 0.29310895 1.6247357 2.46110227 -2.4324621 0.4243037
## C8.A138.03TCGA -1.43331510 -0.4056590 -0.97617271 -1.2394867 0.2416546
## NP_057224 NP_116259 NP_065107 NP_001108488 NP_620156
## A0.A12D.01TCGA -2.599373 1.0999410 -0.2715864 0.09034447 -0.9192520
## C8.A131.01TCGA -1.231496 0.6669601 0.9705512 0.22574111 -0.3895368
## A0.A12B.01TCGA -1.025663 -0.9175751 -0.9286610 -0.71248605 1.1111438
## BH.A18Q.02TCGA -3.293893 0.7439833 -0.8952538 0.92797928 1.9750838
## C8.A130.02TCGA -0.759729 -0.1955915 0.1291155 0.45054265 -0.7006913
## C8.A138.03TCGA 5.643249 1.0791395 -0.3800590 1.33148211 1.6386818
## NP_001171649 NP_004121 NP_006744 NP_001265871 NP_002677
## A0.A12D.01TCGA 0.3113128 0.3113128 -0.80495810 NA -2.149817
## C8.A131.01TCGA 0.2055017 0.2055017 0.06382587 NA -4.542663
## A0.A12B.01TCGA 0.6205929 0.6067355 -1.22243724 NA -3.910767
## BH.A18Q.02TCGA 1.9550115 1.7475978 0.09832458 -1.7416354 -8.877335
## C8.A130.02TCGA -0.3038272 -0.2972674 1.04419892 1.0901171 -8.487100
## C8.A138.03TCGA -1.2577724 -1.3199438 0.51228293 0.2855403 -4.231027
## NP_000422 NP_003338 NP_004273 NP_002843 NP_000428
## A0.A12D.01TCGA -0.2982549 0.7570591 -0.7897189 -4.5880877 0.16273063
## C8.A131.01TCGA -0.1547597 -0.0697542 0.5536195 1.8975159 -1.12220324
## A0.A12B.01TCGA -0.5545120 1.0196851 2.3998791 -2.8049488 0.05521221
## BH.A18Q.02TCGA -1.0759045 0.2187583 -0.2295228 7.8495744 -1.12273980
## C8.A130.02TCGA -0.2710285 0.3718258 -0.5990154 -0.2480694 -0.37598430
## C8.A138.03TCGA 0.8706826 -0.8628014 -0.8152586 -5.4415396 -0.45320181
## NP_000091 NP_055991 NP_064524 NP_064533 NP_005763
## A0.A12D.01TCGA 2.4905173 1.0885116 -0.9306814 -0.4201685 0.47513408
## C8.A131.01TCGA 0.2176453 0.2176453 0.9179287 0.9138809 0.48480549
## A0.A12B.01TCGA -1.9596493 -0.3882236 -1.9430205 -0.3438800 -1.53561379
## BH.A18Q.02TCGA 0.1919953 -0.5506795 0.6904572 -0.1860329 -0.04218146
## C8.A130.02TCGA -3.0589170 0.1192759 0.9720418 1.0212398 0.90316456
## C8.A138.03TCGA -1.6856577 -0.1386878 -1.2358296 0.5598257 0.17216899
## NP_001010853 NP_003595 NP_004963 NP_004956 NP_001364
## A0.A12D.01TCGA -2.267921 NA 0.1322522 0.9742176 1.0656528
## C8.A131.01TCGA -2.749451 NA 0.4078958 -1.7293854 0.6871995
## A0.A12B.01TCGA 1.269118 NA -1.0090338 -1.8543333 0.5485346
## BH.A18Q.02TCGA 2.764594 -1.293354 1.4866581 -4.2740895 -2.0159568
## C8.A130.02TCGA -1.914243 4.665174 -1.1008353 3.7697699 -1.1237944
## C8.A138.03TCGA -1.499144 NA -0.5556017 -1.7258862 3.2295373
## NP_579917 NP_036226 NP_113664 NP_056970 NP_001091977
## A0.A12D.01TCGA -0.2487276 -1.1592693 0.26940498 -0.3020647 0.06367588
## C8.A131.01TCGA -0.3288186 0.4848055 1.14056220 5.5608482 -0.40168043
## A0.A12B.01TCGA 1.1277726 2.9430880 -2.09268004 -1.4358407 0.09955580
## BH.A18Q.02TCGA -0.2797036 -0.3131574 -0.03214531 NA -0.21614132
## C8.A130.02TCGA -0.9073231 0.5522186 0.77524967 NA 0.98188141

```

| | | | | | | |
|----|----------------|--------------|-------------|-------------|--------------|--------------|
| ## | C8.A138.03TCGA | 0.1977690 | -1.4333151 | -0.75674436 | NA | 0.20508324 |
| ## | | NP_001027464 | NP_009191 | NP_997320 | NP_001243404 | NP_115587 |
| ## | A0.A12D.01TCGA | 0.06367588 | 1.4694914 | 3.0391282 | NA | -1.0373558 |
| ## | C8.A131.01TCGA | -0.40168043 | 0.7519656 | 1.5332066 | NA | -0.3166749 |
| ## | A0.A12B.01TCGA | 0.09955580 | -0.5212544 | 1.4381777 | NA | 0.1300420 |
| ## | BH.A18Q.02TCGA | -0.35664735 | -0.4670450 | -3.5682139 | -2.307005 | -9.7772427 |
| ## | C8.A130.02TCGA | 0.98516128 | 0.6276556 | -5.1350740 | 1.444343 | -2.6751724 |
| ## | C8.A138.03TCGA | 0.18679755 | -1.0164012 | 0.3477117 | NA | NA |
| ## | | NP_898871 | NP_005245 | NP_002032 | NP_963839 | NP_001129671 |
| ## | A0.A12D.01TCGA | 0.1208229 | -0.8163875 | -1.18974772 | 1.8580908 | 1.27900149 |
| ## | C8.A131.01TCGA | -1.5998532 | 0.2297890 | 0.86125842 | 0.1893102 | -0.01308386 |
| ## | A0.A12B.01TCGA | 3.5805270 | -0.3217082 | -0.04456085 | 0.4764762 | -0.46582488 |
| ## | BH.A18Q.02TCGA | 2.3564573 | -0.5406434 | 1.10862990 | -1.3736434 | -1.11939442 |
| ## | C8.A130.02TCGA | -1.9700006 | 1.3525066 | 0.81788797 | -0.9893198 | -0.15951296 |
| ## | C8.A138.03TCGA | -0.9322870 | 0.1173119 | -0.10943073 | 0.3074831 | -2.37685701 |
| ## | | NP_001031 | NP_612452 | NP_115814 | NP_003014 | NP_055760 |
| ## | A0.A12D.01TCGA | -1.9593269 | 2.18573346 | 0.22749720 | 0.18939922 | -0.7135229 |
| ## | C8.A131.01TCGA | 0.8086360 | 0.11644833 | -0.02522751 | 0.04358647 | 0.8288754 |
| ## | A0.A12B.01TCGA | -1.3083529 | -0.72911489 | -2.05387941 | 0.17992854 | -1.0533773 |
| ## | BH.A18Q.02TCGA | 1.8881039 | -0.81161929 | 0.01134465 | -0.41351885 | -1.5041133 |
| ## | C8.A130.02TCGA | -0.5366979 | 0.01432009 | 1.08683721 | -0.26446876 | 0.2504707 |
| ## | C8.A138.03TCGA | -0.1460021 | -0.87377281 | -0.38737330 | -0.58851596 | -0.5007446 |
| ## | | NP_001095871 | NP_570721 | NP_068597 | NP_115528 | NP_002640 |
| ## | A0.A12D.01TCGA | -0.68304456 | 0.8180159 | 0.8218257 | -0.4430273 | -0.03537887 |
| ## | C8.A131.01TCGA | -0.55549991 | -0.7578940 | 0.5293322 | 1.4562969 | 2.83662431 |
| ## | A0.A12B.01TCGA | -0.11384769 | 2.1255032 | 1.4076915 | -1.1115783 | -1.92916308 |
| ## | BH.A18Q.02TCGA | 0.46966197 | -1.6613463 | 0.1618868 | -1.7148724 | 1.36287892 |
| ## | C8.A130.02TCGA | 0.03071944 | -0.9958795 | -0.8876438 | -1.4944196 | -0.39238365 |
| ## | C8.A138.03TCGA | 0.56348288 | 0.3477117 | 0.8085112 | -1.1297726 | -0.95422987 |
| ## | | NP_004627 | NP_006014 | NP_002643 | NP_110394 | NP_001688 |
| ## | A0.A12D.01TCGA | -3.0755978 | -0.4354077 | -2.862249 | 1.5761658 | -0.2639668 |
| ## | C8.A131.01TCGA | -2.7899302 | 1.2458071 | -2.587536 | -0.7983728 | -0.6850321 |
| ## | A0.A12B.01TCGA | 1.4548065 | -0.6321133 | 4.702974 | 0.7508522 | 2.2280477 |
| ## | BH.A18Q.02TCGA | -2.4776195 | 1.0852122 | -3.789009 | -1.9423584 | 0.2823206 |
| ## | C8.A130.02TCGA | -0.5662167 | 2.0675180 | -6.168233 | -0.1431136 | -0.1890318 |
| ## | C8.A138.03TCGA | -1.7807433 | -0.9688584 | -5.660968 | 0.6658828 | -0.6982301 |
| ## | | NP_620130 | NP_689600 | NP_079351 | NP_006244 | XP_003960220 |
| ## | A0.A12D.01TCGA | -0.06966706 | -0.9916382 | -0.2487276 | -0.19158060 | 0.5208517 |
| ## | C8.A131.01TCGA | 0.14073561 | 0.5576673 | -0.4381114 | -0.92385707 | 0.3269381 |
| ## | A0.A12B.01TCGA | 1.27466072 | 0.8339964 | -0.2274781 | 0.82845342 | -0.4464246 |
| ## | BH.A18Q.02TCGA | -0.35330197 | 0.4863889 | -0.6108964 | 0.02807156 | 1.0985938 |
| ## | C8.A130.02TCGA | -0.79580752 | -0.2283902 | 0.9720418 | -0.97292044 | -0.6154147 |
| ## | C8.A138.03TCGA | -0.21914490 | 0.1721690 | 0.1611976 | 1.53993904 | 2.2055384 |
| ## | | NP_056356 | NP_700356 | NP_112574 | NP_056176 | NP_055740 |
| ## | A0.A12D.01TCGA | 0.3227422 | 3.6791743 | 0.28083438 | 1.0275548 | 0.5170419 |
| ## | C8.A131.01TCGA | 0.5981462 | 0.2662199 | 0.43218304 | 1.0353173 | 0.2702678 |
| ## | A0.A12B.01TCGA | -0.8981748 | -1.7102166 | -0.97577607 | -1.4081260 | -0.1554198 |
| ## | BH.A18Q.02TCGA | NA | NA | 0.68376640 | -0.1826875 | 0.3124290 |
| ## | C8.A130.02TCGA | NA | NA | 0.09631682 | 0.5161400 | 0.4931809 |
| ## | C8.A138.03TCGA | 2.3810810 | NA | -0.10943073 | 0.3074831 | 0.4501116 |
| ## | | NP_057384 | NP_001713 | NP_064507 | NP_054891 | NP_001129333 |
| ## | A0.A12D.01TCGA | 2.3495548 | -0.86972467 | 1.1456586 | -1.4069062 | -2.4393615 |
| ## | C8.A131.01TCGA | 2.1484846 | -1.06553291 | 0.5131407 | -1.9479709 | -2.1220298 |
| ## | A0.A12B.01TCGA | 0.3933320 | 0.87833995 | 0.7813384 | 1.8511273 | -0.5212544 |

```

## BH.A18Q.02TCGA 0.4395535 -0.37337426 -0.1258160 -1.2699366 -2.1096274
## C8.A130.02TCGA 2.7628502 0.30950829 0.4374232 -1.6387338 -1.7600890
## C8.A138.03TCGA 0.5159401 0.04051198 -0.1533164 0.8523969 0.8121683
## NP_000388 NP_060590 NP_001193594 NP_001094346 NP_777593
## AO.A12D.01TCGA 1.3132897 1.10756058 0.5132321 -3.0870272 -3.6318283
## C8.A131.01TCGA 4.3829148 0.15287925 -0.2438131 -2.6968289 -3.9557199
## AO.A12B.01TCGA -2.4917723 -0.16096275 1.8788420 3.0123748 3.3283229
## BH.A18Q.02TCGA 1.6639633 -0.11243448 -2.0661375 -1.6379286 -1.6646917
## C8.A130.02TCGA -1.8486454 1.35250659 -1.6518533 -0.9630808 -0.9794802
## C8.A138.03TCGA -0.7384587 -0.02897366 0.3659974 -1.7368577 -1.6783434
## NP_003759 NP_112217 NP_002124 NP_065118 NP_653182
## AO.A12D.01TCGA -0.30587454 0.3341715 -0.57256041 -1.0221166 0.9780274
## C8.A131.01TCGA 0.29050720 0.6629123 3.71096659 -1.5391350 1.1810410
## AO.A12B.01TCGA 0.59287815 -1.4884987 -0.99517639 -1.8321615 -1.0561488
## BH.A18Q.02TCGA 0.40275433 -2.2936235 0.04145309 0.1886499 -1.3502258
## C8.A130.02TCGA 0.05695839 1.4443429 0.08647721 1.6312954 -0.1267143
## C8.A138.03TCGA 0.01125487 3.3246230 -0.98714413 -0.6506873 0.2965117
## NP_065207 NP_443149 NP_653168 NP_055634 NP_660095
## AO.A12D.01TCGA 2.20478245 -0.2296786 0.76086894 0.1093935 NA
## C8.A131.01TCGA 1.77607951 -0.9036177 -0.78218124 0.1043047 NA
## AO.A12B.01TCGA -0.64319920 -0.3383371 1.82341255 0.7397663 NA
## BH.A18Q.02TCGA 0.54326037 0.4997704 -0.47039034 0.2421760 -2.0193021
## C8.A130.02TCGA -0.02175846 0.4702219 -0.09719545 -0.4350219 0.6735737
## C8.A138.03TCGA 1.51433906 -1.6088578 0.22336894 -0.2118306 -1.6929720
## NP_003005 NP_000437 NP_000931 NP_004070 NP_000537
## AO.A12D.01TCGA 0.8523041 -1.0487852 0.05224649 -0.7973385 0.193209
## C8.A131.01TCGA 1.2336635 0.1650229 -1.21935238 2.0230002 1.614164
## AO.A12B.01TCGA -2.6081742 -2.2922262 -0.81780206 -2.2146249 -1.715760
## BH.A18Q.02TCGA -1.1963382 -0.8049285 0.28566596 3.9789675 NA
## C8.A130.02TCGA 0.3488667 0.7424510 1.31314817 -0.6941316 NA
## C8.A138.03TCGA -1.5210864 -1.7222291 -2.25251428 0.2087404 -5.339140
## NP_612393 NP_060389 NP_689786 NP_001002836 NP_055037
## AO.A12D.01TCGA -0.45445667 0.139871843 1.705699 0.8256355 0.2808344
## C8.A131.01TCGA -0.55145203 -0.519068981 0.160975 -0.8145643 0.1690708
## AO.A12B.01TCGA 1.38274820 0.118956112 1.540722 -0.6210274 -1.5162135
## BH.A18Q.02TCGA 0.32246516 -1.380334203 -3.220294 0.3927182 -0.3967919
## C8.A130.02TCGA 0.17175380 0.004480487 -3.478740 1.2639501 1.9953609
## C8.A138.03TCGA 0.00028345 0.596397134 1.393653 0.9255397 -0.6945730
## NP_000253 NP_001139400 NP_005081 NP_001108104 NP_057090
## AO.A12D.01TCGA -0.6525662 -0.01252008 -1.0183068 -1.829793809 -0.83162669
## C8.A131.01TCGA 1.0838919 0.29860297 0.4240873 -0.122376650 -1.98440188
## AO.A12B.01TCGA 0.7120515 0.47924772 0.1716141 -0.005760212 0.72868036
## BH.A18Q.02TCGA -0.2562859 -0.63765943 0.1752684 1.055103791 -0.29643048
## C8.A130.02TCGA 0.4669420 0.24391091 -1.4714605 -1.953601226 0.04711878
## C8.A138.03TCGA 0.3586831 1.12668231 0.1611976 0.472054402 -1.96725742
## NP_004539 NP_065128 NP_006109 NP_001018238 NP_060036
## AO.A12D.01TCGA 1.82761243 0.08653467 0.2427364 0.1817796 1.62569313
## C8.A131.01TCGA -1.47841676 0.19335806 -0.4300156 -0.6566969 2.54112900
## AO.A12B.01TCGA -1.39149715 -0.29399349 0.9697986 0.5152769 0.12727053
## BH.A18Q.02TCGA -0.09905295 -0.25294052 -0.6978763 -0.8283462 -1.49407719
## C8.A130.02TCGA -0.00535912 1.45418253 0.1520746 0.1979927 -0.04143768
## C8.A138.03TCGA 0.09171193 0.92919680 -1.2358296 -1.2468010 0.62565425
## NP_067026 NP_002922 NP_009143 NP_064528 NP_054786
## AO.A12D.01TCGA 3.7820389 0.48275368 -0.18777080 0.64276520 -1.4107160

```

```

## C8.A131.01TCGA 0.2176453 0.04763435 -0.21143003 -0.45430289 0.3107466
## A0.A12B.01TCGA -2.1259377 0.06075516 0.55962046 -1.05337734 1.5795228
## BH.A18Q.02TCGA 1.1621560 0.94136081 0.46966197 0.01469003 -0.6276233
## C8.A130.02TCGA -1.0516373 0.94580285 0.04383891 0.27342973 1.8182480
## C8.A138.03TCGA 2.1031385 1.45216770 0.77193981 -0.50805889 1.1010823
## NP_001005339 NP_057651 NP_510868 NP_001006618 NP_001258
## A0.A12D.01TCGA -1.2735633 -1.8069350 -2.7898629 -0.26396676 -3.109886
## C8.A131.01TCGA -0.9845753 -0.7862291 -0.5474041 0.25002840 -3.704751
## A0.A12B.01TCGA 0.6011926 0.3462170 0.5540775 0.15498527 2.566168
## BH.A18Q.02TCGA 2.2694774 -0.6945309 -0.6844948 -0.65104096 -2.611435
## C8.A130.02TCGA 1.0540385 0.8146081 0.7326114 -0.20543112 -1.966721
## C8.A138.03TCGA 1.0462253 0.3952545 0.5854257 0.03685484 -2.596285
## NP_004454 NP_055431 NP_002576 NP_002577 NP_006186
## A0.A12D.01TCGA -4.50427212 0.8980217 -0.1611022 0.1246326 0.2236874
## C8.A131.01TCGA -0.77003760 1.5048715 0.1528793 0.2621720 0.9260245
## A0.A12B.01TCGA -4.06596944 -1.3831827 0.3600743 0.4432186 0.1632997
## BH.A18Q.02TCGA 0.02807156 1.8947946 -0.1124345 0.1919953 0.9714692
## C8.A130.02TCGA 0.34886672 -0.6613329 1.2278716 0.1717538 1.2869092
## C8.A138.03TCGA -1.90874320 1.7922816 0.2014261 -0.2374306 0.4574258
## NP_079521 NP_997227 NP_006558 NP_055100 NP_057726
## A0.A12D.01TCGA 1.3780562 -0.1039552 0.3417911 -0.83543649 -0.4506469
## C8.A131.01TCGA -2.8304090 -0.6162181 -0.4057283 -0.03737115 2.9499650
## A0.A12B.01TCGA 0.7175945 2.6326829 1.1166867 0.55130604 -0.1360195
## BH.A18Q.02TCGA 5.0695620 -0.6108964 -0.7714747 -0.31315739 -2.1196636
## C8.A130.02TCGA -2.2783082 -1.4714605 0.1619142 -0.45798102 0.2832693
## C8.A138.03TCGA 0.2855403 1.3095393 1.7483960 -0.82257286 -1.5540007
## NP_060633 NP_149080 NP_000582 NP_004662 NP_057250
## A0.A12D.01TCGA -1.4640532 -1.5821569 -1.7840762 0.1513012 0.02557790
## C8.A131.01TCGA 0.1933581 1.6627388 -0.1669033 0.2297890 0.03549071
## A0.A12B.01TCGA 0.9670271 -0.7014002 -1.4302978 -0.2635073 0.03858337
## BH.A18Q.02TCGA 0.3626097 -1.3669527 1.9650477 2.0955175 1.20564597
## C8.A130.02TCGA 0.3390271 -1.4550612 -1.1565931 0.2635901 0.79820875
## C8.A138.03TCGA 0.1538833 -0.9542299 -2.5341140 -1.5796007 -1.01640124
## XP_003960206 XP_003960203 NP_077005 NP_001193769 NP_001030331
## A0.A12D.01TCGA 1.1151802 0.5703790 0.3341715 2.269549 -0.04680827
## C8.A131.01TCGA 0.1974059 -0.2478610 0.7762529 1.334860 0.14073561
## A0.A12B.01TCGA 0.4626189 0.4626189 -0.4242528 -1.435841 -0.23856402
## BH.A18Q.02TCGA 1.1956098 1.3193890 0.4462443 -2.999499 -0.68784016
## C8.A130.02TCGA 0.7555705 0.7555705 0.5325394 -1.025398 1.38202541
## C8.A138.03TCGA 0.5488543 -0.3690876 -0.6287445 3.639137 -0.37640188
## NP_005810 NP_003756 NP_001258538 NP_001243549 NP_001243548
## A0.A12D.01TCGA 1.46949140 1.0123156 1.33233867 -0.938301038 -0.938301038
## C8.A131.01TCGA 0.55766735 0.5900504 0.14478349 -0.000940222 -0.000940222
## A0.A12B.01TCGA -0.44365309 -0.1055333 -0.31616529 -1.804446758 -1.804446758
## BH.A18Q.02TCGA 0.05148923 -1.2599005 -1.58440250 -0.286394335 -0.262976662
## C8.A130.02TCGA -2.14711349 0.1717538 -0.04799742 -0.349745351 -0.218550596
## C8.A138.03TCGA 2.50908092 -0.4276018 -0.41297328 -0.405658998 -0.405658998
## NP_004759 NP_055969 NP_001171940 NP_113614 NP_060104
## A0.A12D.01TCGA -0.6373270 -0.39349990 -0.6106584 -2.29839898 -0.5001742
## C8.A131.01TCGA -0.2397652 0.39170423 -0.1102330 0.10025680 0.2338369
## A0.A12B.01TCGA 0.3767032 1.79292633 -0.8954033 -3.24284170 -0.2357925
## BH.A18Q.02TCGA -0.3901012 1.02499535 0.3425375 4.84207606 0.6302403
## C8.A130.02TCGA 0.8900451 -0.09391558 -0.6547732 -0.98276004 -0.8450055
## C8.A138.03TCGA -0.7713729 0.06611196 -0.2776591 0.04416912 -0.8481728

```

| | | | | | | |
|----|----------------|-------------|--------------|--------------|--------------|--------------|
| ## | | NP_000615 | NP_006212 | NP_003249 | NP_112240 | NP_008826 |
| ## | AO.A12D.01TCGA | -3.0984566 | -0.3096843 | 0.3684597 | 0.1817796 | 0.006528907 |
| ## | C8.A131.01TCGA | -0.9238571 | -0.5150211 | 1.0231737 | 1.4320096 | 0.488853371 |
| ## | AO.A12B.01TCGA | -2.6220316 | 1.2912896 | -1.5411567 | -0.3743662 | -1.757331702 |
| ## | BH.A18Q.02TCGA | 1.0015777 | -0.7647839 | -0.1759967 | -0.6610771 | -0.875181542 |
| ## | C8.A130.02TCGA | 0.9228438 | 1.1885131 | 0.3685459 | 0.8047685 | -0.805647123 |
| ## | C8.A138.03TCGA | -0.8445157 | -1.2138868 | -2.8193708 | -0.7238301 | 1.536281899 |
| ## | | NP_068744 | NP_000967 | NP_060241 | NP_001902 | NP_997244 |
| ## | AO.A12D.01TCGA | 1.1037508 | 0.61990641 | -0.36302152 | -2.35173616 | NA |
| ## | C8.A131.01TCGA | 0.6548165 | 0.31074661 | -0.85099522 | 5.05486306 | NA |
| ## | AO.A12B.01TCGA | -0.3411086 | 0.07184106 | -1.08386355 | -2.44465722 | NA |
| ## | BH.A18Q.02TCGA | 0.0213808 | -1.43051493 | 0.39606357 | -3.98638667 | NA |
| ## | C8.A130.02TCGA | -1.0549172 | 1.13275538 | -0.03815781 | 0.03071944 | NA |
| ## | C8.A138.03TCGA | -0.4276018 | -0.14600212 | 0.57811144 | -5.15628277 | 3.331937 |
| ## | | NP_006051 | NP_001207695 | NP_057344 | NP_071910 | NP_038474 |
| ## | AO.A12D.01TCGA | -0.06204746 | -0.06204746 | -0.1725316 | 0.3189324 | 0.5475202 |
| ## | C8.A131.01TCGA | -0.36524950 | -0.36524950 | -0.7214630 | 0.1245441 | 0.3269381 |
| ## | AO.A12B.01TCGA | -4.09091271 | -4.09091271 | -4.6978655 | -1.7129881 | 0.0773840 |
| ## | BH.A18Q.02TCGA | 0.72391099 | 1.31938896 | 0.8175817 | -1.0591775 | -1.0023061 |
| ## | C8.A130.02TCGA | -0.37270443 | -0.37270443 | -1.4780202 | -2.0126389 | 0.6374952 |
| ## | C8.A138.03TCGA | 0.03319770 | 0.51959721 | 1.6569675 | 1.3973106 | -0.6799444 |
| ## | | NP_005655 | NP_115766 | NP_071895 | NP_057558 | NP_004568 |
| ## | AO.A12D.01TCGA | -0.1801512 | -0.6525662 | 1.4771110 | -1.05259498 | -1.0602146 |
| ## | C8.A131.01TCGA | 3.5652429 | 0.1609750 | 0.8531627 | -0.76194184 | 2.6747091 |
| ## | AO.A12B.01TCGA | -0.9231181 | -1.4025830 | -0.6210274 | -1.43584073 | -0.3494230 |
| ## | BH.A18Q.02TCGA | -4.0198405 | -1.4806957 | -0.1559244 | -0.06894451 | -3.4678525 |
| ## | C8.A130.02TCGA | -2.2947076 | 0.5325394 | -0.7662887 | 3.53689926 | -0.1660727 |
| ## | C8.A138.03TCGA | -1.5832578 | -1.6966291 | 1.2729679 | 0.13559760 | -3.4593702 |
| ## | | NP_005863 | NP_002688 | NP_001193954 | NP_055167 | NP_001035784 |
| ## | AO.A12D.01TCGA | -0.1992002 | 0.3836989 | -1.3345200 | -1.1783183 | -1.0868832 |
| ## | C8.A131.01TCGA | -0.1102330 | -1.0574371 | -1.9884498 | -1.9884498 | 0.7074389 |
| ## | AO.A12B.01TCGA | 0.6372217 | 0.3489884 | -1.7545602 | -2.4335713 | -1.1697792 |
| ## | BH.A18Q.02TCGA | 0.4696620 | 0.1618868 | 0.4897343 | 0.3960636 | -0.5038442 |
| ## | C8.A130.02TCGA | 0.8605263 | 0.5817374 | 0.5653381 | 0.8277276 | 1.3295475 |
| ## | C8.A138.03TCGA | -0.6397159 | -0.6068017 | -0.8152586 | -0.8152586 | -0.8737728 |
| ## | | NP_620149 | NP_892117 | NP_001435 | NP_001161726 | NP_004996 |
| ## | AO.A12D.01TCGA | 1.4809208 | 0.4560851 | -3.5137246 | -0.3363529 | -0.12300423 |
| ## | C8.A131.01TCGA | -0.2761961 | 0.1407356 | -0.5919308 | 0.1124004 | 0.01120342 |
| ## | AO.A12B.01TCGA | 1.8317270 | -1.6631016 | -2.6414319 | 0.2187292 | -2.37814185 |
| ## | BH.A18Q.02TCGA | 0.1050153 | 1.6606179 | -0.2161413 | -1.2799727 | 1.61712794 |
| ## | C8.A130.02TCGA | -0.7006913 | -0.4251823 | -1.2353099 | -0.4022233 | 0.44398291 |
| ## | C8.A138.03TCGA | -0.7238301 | -0.4202876 | -2.6291996 | -0.7457729 | -0.60314451 |
| ## | | NP_056140 | NP_003670 | NP_005460 | NP_001071131 | NP_001071132 |
| ## | AO.A12D.01TCGA | NA | 5.4926383 | 1.47330120 | -0.4315979 | -0.4315979 |
| ## | C8.A131.01TCGA | NA | 1.4441533 | 0.00715554 | 0.6183856 | 0.6183856 |
| ## | AO.A12B.01TCGA | NA | -0.9425184 | -0.87877448 | 0.6538506 | 0.6538506 |
| ## | BH.A18Q.02TCGA | -0.67111325 | NA | -1.14950285 | 0.1384692 | 0.2120676 |
| ## | C8.A130.02TCGA | 0.06679799 | NA | -1.02211847 | 0.6210958 | 0.5718978 |
| ## | C8.A138.03TCGA | 1.95685290 | 2.5419952 | 3.28805156 | -0.6250873 | -0.6250873 |
| ## | | NP_056299 | NP_055059 | NP_001265576 | NP_055058 | NP_078914 |
| ## | AO.A12D.01TCGA | -1.2545143 | 0.3875087 | 7.3670590 | NA | 0.81039632 |
| ## | C8.A131.01TCGA | -0.4178720 | 1.8125104 | 5.6782367 | NA | -1.15053841 |
| ## | AO.A12B.01TCGA | -0.9979479 | -0.5517406 | -0.8233450 | NA | -0.43256719 |
| ## | BH.A18Q.02TCGA | -0.2395590 | -4.2473265 | -7.5291461 | NA | 1.18222830 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A130.02TCGA | 0.8605263 | -1.2681086 | 0.4505427 | NA | 0.67685361 |
| ## | C8.A138.03TCGA | -0.4861161 | 0.6878256 | 1.1778823 | NA | 0.06245481 |
| ## | | NP_116199 | NP_002792 | NP_005092 | NP_937872 | NP_060609 |
| ## | A0.A12D.01TCGA | 0.6694338 | 0.97802744 | -2.454601 | -0.3439725 | 0.3951283 |
| ## | C8.A131.01TCGA | 0.6224334 | -1.38531550 | -2.219179 | -1.1424426 | 0.8774499 |
| ## | A0.A12B.01TCGA | -1.5744144 | -0.05564674 | 2.635454 | 1.0834290 | -0.8787745 |
| ## | BH.A18Q.02TCGA | 0.9948869 | 1.98177457 | -2.909174 | -3.1533866 | -1.2398282 |
| ## | C8.A130.02TCGA | 0.3291875 | -1.46490077 | -1.648573 | 0.3291875 | -0.6318141 |
| ## | C8.A138.03TCGA | 2.5639380 | -0.05091650 | -2.888856 | -0.9688584 | 2.9589090 |
| ## | | NP_057258 | NP_689478 | NP_003409 | NP_001120665 | NP_001120664 |
| ## | A0.A12D.01TCGA | -0.004900488 | -0.1801512 | 1.61426373 | 1.8352320 | 1.79713404 |
| ## | C8.A131.01TCGA | 3.459997972 | -0.8874261 | -0.16690334 | -0.2478610 | -0.26405248 |
| ## | A0.A12B.01TCGA | -1.710216646 | -1.3720968 | -0.30785086 | -0.3078509 | -0.32725118 |
| ## | BH.A18Q.02TCGA | -1.544257915 | -1.3201173 | 0.50646117 | 0.5064612 | 0.47300735 |
| ## | C8.A130.02TCGA | 1.388585149 | 0.7260516 | 1.75593046 | 1.7559305 | 1.62473571 |
| ## | C8.A138.03TCGA | 1.675253187 | -0.9725156 | 0.04416912 | 0.2160547 | -0.09480217 |
| ## | | NP_055984 | NP_001128529 | NP_002353 | NP_001011543 | NP_004979 |
| ## | A0.A12D.01TCGA | -1.18593792 | 2.5133761 | 4.8678314 | NA | NA |
| ## | C8.A131.01TCGA | 0.09620892 | 2.4885065 | -5.7610748 | NA | NA |
| ## | A0.A12B.01TCGA | -0.49353961 | -2.4557431 | -5.8895993 | NA | NA |
| ## | BH.A18Q.02TCGA | 0.03141694 | -2.3404588 | 8.3413455 | 11.0209964 | 8.43167079 |
| ## | C8.A130.02TCGA | 0.94908272 | -0.6022953 | -0.1168747 | -0.1168747 | -0.09063571 |
| ## | C8.A138.03TCGA | -1.27971526 | 4.2096506 | -8.3745652 | NA | NA |
| ## | | NP_001159872 | NP_722517 | NP_079130 | NP_612461 | NP_001010854 |
| ## | A0.A12D.01TCGA | NA | -0.6639956 | -0.4849351 | 0.6122868 | -0.2715864 |
| ## | C8.A131.01TCGA | NA | -1.4298422 | 0.3026508 | -1.2112566 | 1.1648495 |
| ## | A0.A12B.01TCGA | NA | -0.6542851 | 0.7231374 | -0.1692772 | -0.8399738 |
| ## | BH.A18Q.02TCGA | 8.43167079 | -0.1927236 | 1.3695697 | 0.2689391 | 0.6034772 |
| ## | C8.A130.02TCGA | -0.09063571 | 1.8576064 | -0.2349499 | -0.1234344 | -0.6646128 |
| ## | C8.A138.03TCGA | NA | 1.8763958 | -1.2285153 | 3.1417660 | -1.1882868 |
| ## | | NP_116558 | NP_055178 | NP_005774 | NP_004903 | NP_067075 |
| ## | A0.A12D.01TCGA | -0.86972467 | 0.04081709 | -0.30206474 | NA | -0.2411080 |
| ## | C8.A131.01TCGA | -0.36120162 | 0.38360847 | 1.31462108 | NA | 0.3309860 |
| ## | A0.A12B.01TCGA | 0.31295928 | -0.05287527 | 1.17488766 | NA | -1.5245279 |
| ## | BH.A18Q.02TCGA | 0.69045717 | -10.62362428 | -0.41017346 | 0.5432604 | -0.9554707 |
| ## | C8.A130.02TCGA | 0.58501728 | -2.26518877 | 0.05695839 | 0.2439109 | -0.7039712 |
| ## | C8.A138.03TCGA | -0.05457364 | 2.07753850 | 0.03319770 | 0.9218825 | 0.2782260 |
| ## | | NP_001243340 | NP_001078 | NP_055020 | NP_055070 | NP_001116224 |
| ## | A0.A12D.01TCGA | -0.9306814 | -1.9821857 | -0.4925547 | 0.4865635 | 0.5894280 |
| ## | C8.A131.01TCGA | 0.4807576 | -0.5190690 | -0.7336067 | 0.4038479 | -2.1139341 |
| ## | A0.A12B.01TCGA | -1.2667808 | -0.1471054 | 0.8894258 | 1.3384046 | -2.3337983 |
| ## | BH.A18Q.02TCGA | -0.9119807 | -0.9487799 | -0.6175871 | -0.7346755 | -3.8860252 |
| ## | C8.A130.02TCGA | -0.7006913 | 0.2603103 | 0.4603823 | -0.8154867 | -0.7170907 |
| ## | C8.A138.03TCGA | -0.3946876 | 1.1522823 | -0.4422304 | -0.5080589 | -6.0778818 |
| ## | | NP_851939 | NP_001030024 | NP_006330 | NP_114140 | NP_003378 |
| ## | A0.A12D.01TCGA | 0.6884828 | -4.294733 | 0.3608401 | -0.7516209 | 0.9246903 |
| ## | C8.A131.01TCGA | 5.3422626 | -1.660571 | -0.2721482 | 1.7032176 | 1.7760795 |
| ## | A0.A12B.01TCGA | -1.7213025 | -4.456747 | 0.3379025 | -0.8316594 | -1.7434743 |
| ## | BH.A18Q.02TCGA | -0.9688522 | 0.907907 | -1.3334989 | -0.9755430 | 1.3361159 |
| ## | C8.A130.02TCGA | 1.0343593 | -4.577496 | 0.1487947 | 0.8408470 | -0.3202265 |
| ## | C8.A138.03TCGA | 1.2546822 | -6.604510 | 0.6073686 | 1.2363965 | 0.6037114 |
| ## | | NP_775781 | NP_055567 | NP_001032354 | NP_057226 | NP_060933 |
| ## | A0.A12D.01TCGA | 0.2389266 | 3.9534798 | 0.54752025 | 2.4790879 | -0.001090689 |
| ## | C8.A131.01TCGA | -1.4743689 | 0.6062419 | 0.12454409 | 2.1525324 | 0.703391060 |


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## A0.A12B.01TCGA -0.2551929 -1.9208487 0.27970160 -2.6552892 0.712051522
## BH.A18Q.02TCGA -2.7017600 0.6469672 -1.93566759 0.3994089 -0.617587139
## C8.A130.02TCGA -0.6154147 -1.3009073 1.46730200 -0.7236504 1.431223444
## C8.A138.03TCGA -1.6637149 1.7374246 0.00028345 1.3095393 0.969425328
## NP_005925 NP_003078 NP_003076 NP_001243384 NP_075387
## A0.A12D.01TCGA -2.1231483 -3.6051598 -3.048929 1.5723560 0.5551398
## C8.A131.01TCGA -0.8267079 -0.5109732 4.225047 0.4726618 0.5617152
## A0.A12B.01TCGA -0.4381101 -1.1198927 -1.823847 -0.5711409 1.2635748
## BH.A18Q.02TCGA -0.1525791 -1.9791576 -2.397330 -0.6543863 0.7740917
## C8.A130.02TCGA -0.1529532 2.9530826 -1.448501 0.6834133 0.5653381
## C8.A138.03TCGA -0.4385733 4.1547935 -2.468285 -0.4970875 1.4338820
## NP_114091 NP_002155 NP_001258975 NP_008850 NP_002965 NP_060283
## A0.A12D.01TCGA 0.1703502 3.058177 -0.2487276 -1.650733 -1.517390 5.0468919
## C8.A131.01TCGA 1.1891368 -2.296089 0.6710080 1.185089 2.694948 -0.9319528
## A0.A12B.01TCGA 0.7619381 -1.956878 2.1282747 -3.417445 -2.852064 -1.2584664
## BH.A18Q.02TCGA -1.1294306 4.427249 -2.2334066 NA NA -0.3332297
## C8.A130.02TCGA -0.6613329 -1.753529 1.7067324 NA NA 0.6702939
## C8.A138.03TCGA -0.7640586 -1.886800 -1.0200584 NA NA -1.8831432
## NP_001116801 NP_006658 NP_006311 NP_001002295 NP_116027
## A0.A12D.01TCGA 0.1246326 3.6144078 3.0848458 -2.6450906 -1.8983702
## C8.A131.01TCGA 0.4038479 0.5779068 -0.3531059 -4.2957419 -1.7172417
## A0.A12B.01TCGA -2.6746896 -2.8797786 -2.1481095 0.8035102 0.8949688
## BH.A18Q.02TCGA -3.2403665 -0.8651454 -1.2231013 -3.8124268 -4.5350293
## C8.A130.02TCGA 0.8769256 0.8736457 -1.7240104 -0.4055031 -0.4055031
## C8.A138.03TCGA 0.5744543 2.4030239 0.3294260 0.7280541 1.1120538
## NP_002043 NP_536721 NP_851996 NP_000606 NP_116204
## A0.A12D.01TCGA -1.9097996 -1.9097996 -0.1230042 -0.1230042 -1.65073329
## C8.A131.01TCGA -2.3163281 -2.3163281 0.2662199 0.2662199 -1.58770955
## A0.A12B.01TCGA 1.3744338 1.3744338 0.2409010 0.2409010 0.24921538
## BH.A18Q.02TCGA -3.4578163 -3.4578163 4.4941563 4.4941563 0.97816001
## C8.A130.02TCGA -0.2775882 -0.2775882 -0.6941316 -0.6941316 -0.32678627
## C8.A138.03TCGA 1.2619965 1.2619965 NA NA 0.02222628
## NP_060368 NP_073583 NP_060285 NP_055646 NP_036432
## A0.A12D.01TCGA 1.4428228 -0.1953904 -0.9802088 1.8466614 0.45227529
## C8.A131.01TCGA -0.6162181 -0.3004834 0.4240873 1.5170151 -0.29238765
## A0.A12B.01TCGA -2.3393412 -1.3222103 -0.4436531 -0.6986287 0.44044708
## BH.A18Q.02TCGA 0.1083607 -1.1026675 -0.3432658 -2.1430813 0.55329651
## C8.A130.02TCGA -0.4711005 -0.4514213 0.4407030 -0.1726324 -0.37598430
## C8.A138.03TCGA 2.7431378 1.4777677 -0.1130879 -1.9709146 -0.08017361
## NP_378663 NP_001243785 NP_004595 NP_055502 NP_036311
## A0.A12D.01TCGA -0.29825495 -0.29825495 0.24654619 -0.2411080 -0.60684860
## C8.A131.01TCGA 1.05960458 1.05960458 0.09216104 -0.1830949 1.24580710
## A0.A12B.01TCGA 0.04412632 0.04412632 -1.93747750 -0.7706870 -0.09721885
## BH.A18Q.02TCGA 1.00826844 1.00826844 -1.27662737 0.2555575 -0.12581601
## C8.A130.02TCGA -0.05783702 -0.05783702 -0.39566352 0.3915050 -0.01191886
## C8.A138.03TCGA 1.22176793 0.13194046 1.20713937 0.2526261 -0.50805889
## NP_055482 NP_001121691 NP_060521 NP_075394 NP_000777
## A0.A12D.01TCGA 0.8827825 1.3742464 -1.0906930 0.3303618 0.5056125
## C8.A131.01TCGA 0.5293322 0.5536195 0.1043047 0.3755127 -1.9884498
## A0.A12B.01TCGA -1.0422914 -0.9840905 -2.6580607 0.2270436 -1.0949494
## BH.A18Q.02TCGA 1.2758990 1.2758990 -2.6013986 0.2087222 -1.3000450
## C8.A130.02TCGA 0.4735017 0.4735017 -0.8646848 -0.3563051 -2.1897518
## C8.A138.03TCGA 1.1998251 1.1998251 2.7687378 0.2343404 2.3079383
## NP_061845 NP_002544 NP_054888 NP_066552 NP_036204

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## A0.A12D.01TCGA -3.3422837 -0.56494082 -1.9021800 -1.0183068 -0.43540768
## C8.A131.01TCGA -1.4743689 -0.75384607 -0.1547597 -0.2842919 0.53338006
## A0.A12B.01TCGA 1.2469460 0.03858337 0.4820192 0.7841098 -0.51848288
## BH.A18Q.02TCGA -1.9691214 -0.36668350 -1.5743664 0.1551961 -0.72798474
## C8.A130.02TCGA 2.5070204 0.51286016 0.8277276 -0.3235064 1.48042148
## C8.A138.03TCGA 0.3403974 0.21239752 1.1669108 -1.1151440 -0.09845931
## NP_036595 NP_006471 NP_000185 NP_065928 NP_803173
## A0.A12D.01TCGA 1.09994098 0.2313070 -2.8889177 -0.23348838 0.55894964
## C8.A131.01TCGA -0.13452029 1.4643927 -1.1545863 -0.35310586 0.49694913
## A0.A12B.01TCGA -1.36378241 0.4792477 -0.3494230 -0.63488478 -1.71021665
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## C8.A130.02TCGA -1.19595152 -2.1372739 -0.6285342 0.08975708 -0.17263243
## C8.A138.03TCGA 0.79753979 0.6439399 -1.5686293 0.65491136 -0.47514464
## NP_115700 NP_001070914 NP_060453 NP_079345 NP_116161
## A0.A12D.01TCGA 1.1075606 -0.7516209 -0.78209931 -2.6717592 1.4885404
## C8.A131.01TCGA 1.1365143 -1.2598312 -0.84694734 -2.5875361 1.3389084
## A0.A12B.01TCGA 2.9015159 0.1882430 -1.44138368 0.0247260 -1.3914971
## BH.A18Q.02TCGA -0.9956153 0.3291559 -0.34661121 -4.6989530 -2.0828644
## C8.A130.02TCGA -3.6886519 1.7165720 0.04383891 -0.1496734 -0.2808681
## C8.A138.03TCGA -3.8579984 -1.4223437 1.36439636 -0.5336589 -1.2541153
## NP_056465 NP_001009894 NP_071926 XP_003119578 NP_001029366
## A0.A12D.01TCGA -0.02013968 -0.5801800 NA 1.4771110 -1.2583241
## C8.A131.01TCGA 0.37956059 -0.5271647 NA 1.1810410 0.2824114
## A0.A12B.01TCGA 0.69819415 0.2935590 NA 1.7264110 0.4016464
## BH.A18Q.02TCGA -3.26378419 -0.6476956 1.5435295 -0.9220169 0.1585415
## C8.A130.02TCGA 0.16519406 2.2052725 0.7457309 1.7592103 -0.5924556
## C8.A138.03TCGA 1.31319641 -0.4020019 -0.9725156 -3.7190271 -0.3690876
## NP_060023 NP_115729 NP_000937 NP_057480 NP_055731
## A0.A12D.01TCGA 2.15144527 -0.3058745 -1.4831022 -0.26015697 -0.5306526
## C8.A131.01TCGA 2.20515488 -0.2195258 -0.6445533 0.57790675 0.4929013
## A0.A12B.01TCGA -2.03725056 1.6100091 -0.8399738 -1.50235611 0.8450823
## BH.A18Q.02TCGA -1.17961129 0.9313247 1.5334934 1.58701951 -0.7313301
## C8.A130.02TCGA 0.04055904 -0.3563051 0.2111122 0.08319734 -0.5596570
## C8.A138.03TCGA 0.14291188 0.0514834 0.1429119 0.32942597 1.7081674
## NP_689939 NP_112597 NP_005391 NP_006246 NP_542398
## A0.A12D.01TCGA 1.1532782 0.9094511 -0.65256618 0.1513012 -0.84686588
## C8.A131.01TCGA 0.2257411 0.5738589 1.95013839 1.7679837 -0.81456429
## A0.A12B.01TCGA -1.0894065 -0.2191637 -2.24511110 -3.8276227 0.49587656
## BH.A18Q.02TCGA 1.2792444 0.1919953 1.31604358 0.9313247 -2.44416564
## C8.A130.02TCGA 0.6965328 -0.2907077 0.08975708 0.5259796 -0.06111689
## C8.A138.03TCGA 3.2002802 -0.3069162 0.64028280 2.0190243 1.55456759
## NP_006053 NP_060480 NP_060545 NP_001191763 NP_001191761
## A0.A12D.01TCGA -0.3287333 -0.283015754 6.212690 6.338413 5.7250360
## C8.A131.01TCGA 0.3836085 -0.717415146 3.233317 3.411423 2.5451769
## A0.A12B.01TCGA 0.1854715 0.933769432 -1.410897 -1.762875 -1.4108975
## BH.A18Q.02TCGA 0.6135134 -0.978888380 -1.504113 -1.423824 -1.6881093
## C8.A130.02TCGA 1.0933970 0.004480487 -1.523938 -1.451781 -0.6941316
## C8.A138.03TCGA -0.5702303 1.850795867 2.403024 2.282338 2.5785666
## NP_787103 NP_940887 NP_114429 NP_001870 NP_624302
## A0.A12D.01TCGA -1.63549410 -6.8815862 0.97421764 -0.34778232 -0.06966706
## C8.A131.01TCGA 0.38360847 -5.9229900 0.59409828 2.08776634 2.54112900
## A0.A12B.01TCGA 1.89269939 0.3656173 -1.03674849 -1.34715357 -0.88431743
## BH.A18Q.02TCGA 0.27897520 -1.6814186 0.98485077 -0.96885223 -1.06921369
## C8.A130.02TCGA 0.04711878 -3.0851560 0.05367852 -0.79252765 -0.43174207

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A138.03TCGA | -0.58485882 | -6.5130814 | 1.66428177 | -0.08748789 | -0.52268745 |
| ## | | NP_001027019 | NP_071441 | NP_057490 | NP_065108 | NP_055610 |
| ## | A0.A12D.01TCGA | -0.06966706 | -2.7289062 | -1.07545377 | 0.6465750 | -0.02394948 |
| ## | C8.A131.01TCGA | 2.54112900 | -2.7534993 | 0.02739495 | 0.1285920 | 2.33468707 |
| ## | A0.A12B.01TCGA | -0.88431743 | 2.6742550 | 0.19378591 | -1.0866350 | -0.80117322 |
| ## | BH.A18Q.02TCGA | -1.06921369 | -0.1291614 | 1.20899136 | 0.7439833 | 1.00492306 |
| ## | C8.A130.02TCGA | -0.43174207 | -0.3497454 | -0.21855060 | -0.4776602 | -0.42846220 |
| ## | C8.A138.03TCGA | -0.52268745 | -2.1720572 | -0.05457364 | -1.4113723 | -0.60680165 |
| ## | | NP_001167567 | NP_005709 | NP_001185722 | XP_003960151 | NP_004672 |
| ## | A0.A12D.01TCGA | 1.0085058 | 0.6427652 | 0.71896116 | -0.21824919 | -0.21824919 |
| ## | C8.A131.01TCGA | -1.8143909 | 1.3429562 | 1.44415327 | -1.92368366 | -1.92368366 |
| ## | A0.A12B.01TCGA | -2.5555162 | -0.9286610 | -0.48245372 | 0.72313742 | 0.69819415 |
| ## | BH.A18Q.02TCGA | NA | 1.3160436 | 1.06513994 | 0.07490691 | 0.08159767 |
| ## | C8.A130.02TCGA | NA | -0.3431856 | -0.20543112 | 1.30658843 | 1.41810397 |
| ## | C8.A138.03TCGA | 0.6219971 | 0.4720544 | 0.09902621 | -0.69457299 | -0.48245892 |
| ## | | NP_851808 | NP_001229344 | NP_443723 | NP_001138501 | NP_060379 |
| ## | A0.A12D.01TCGA | 0.40274792 | -0.46588607 | -0.3477823 | 0.3951283 | -3.1784624 |
| ## | C8.A131.01TCGA | 0.87340206 | -0.03737115 | -0.9036177 | -0.2519088 | -2.7858823 |
| ## | A0.A12B.01TCGA | 0.08015548 | 0.02195453 | -2.3033121 | -1.9956785 | 0.7425377 |
| ## | BH.A18Q.02TCGA | -0.48377187 | 0.39940895 | -2.1397359 | -0.2328682 | -4.3577241 |
| ## | C8.A130.02TCGA | 0.40790436 | 0.57517767 | 2.3659861 | 0.4505427 | -1.7633688 |
| ## | C8.A138.03TCGA | 0.70245417 | 0.84508260 | -2.3658856 | 1.3351392 | -6.2607388 |
| ## | | NP_056091 | NP_001138545 | NP_958443 | NP_055250 | NP_006784 |
| ## | A0.A12D.01TCGA | 1.14565856 | 0.39893812 | -0.2868256 | -0.60684860 | -0.82400709 |
| ## | C8.A131.01TCGA | -0.15071182 | -0.15071182 | -0.3207228 | -0.40572832 | -0.07784996 |
| ## | A0.A12B.01TCGA | -0.44365309 | -1.66864454 | -1.2030369 | 4.90252002 | 2.70751271 |
| ## | BH.A18Q.02TCGA | 0.05148923 | 1.66396329 | 1.5368388 | 0.01803541 | -0.91198074 |
| ## | C8.A130.02TCGA | -0.58589591 | -0.03487794 | -0.6449335 | -2.46854064 | 1.41810397 |
| ## | C8.A138.03TCGA | -0.36908761 | 0.23068322 | 1.1925108 | 0.44645443 | -0.30691624 |
| ## | | NP_001157567 | NP_001172110 | NP_056020 | NP_006629 | NP_000046 |
| ## | A0.A12D.01TCGA | -0.5001742 | -0.5992290 | 1.1723271 | -0.2792060 | -0.78971891 |
| ## | C8.A131.01TCGA | -0.9845753 | -0.2154779 | 1.4724884 | -0.3450101 | 0.71148682 |
| ## | A0.A12B.01TCGA | 1.8317270 | 0.4875621 | -0.9757761 | -0.2496499 | 1.79569781 |
| ## | BH.A18Q.02TCGA | -0.1224706 | 0.3626097 | 1.8078147 | 0.8476901 | 0.04145309 |
| ## | C8.A130.02TCGA | 1.2147521 | 0.6899731 | -0.6678926 | 0.6899731 | -0.33006614 |
| ## | C8.A138.03TCGA | -0.2301163 | 0.1246262 | -6.2790245 | -0.6872587 | -1.82828613 |
| ## | | NP_065142 | NP_059993 | NP_954590 | NP_006684 | NP_001123357 |
| ## | A0.A12D.01TCGA | -0.3249235 | 0.04462689 | -0.1344336 | -0.38207051 | NA |
| ## | C8.A131.01TCGA | -1.6808108 | 0.32289025 | 0.3552733 | -0.21547791 | NA |
| ## | A0.A12B.01TCGA | 1.0002848 | 1.54349368 | 1.5185504 | 0.42936119 | NA |
| ## | BH.A18Q.02TCGA | 1.0684853 | 1.41305965 | 1.4130596 | 0.10501534 | NA |
| ## | C8.A130.02TCGA | 0.1553545 | -0.30054732 | -0.3300661 | 0.06679799 | NA |
| ## | C8.A138.03TCGA | -0.6287445 | 1.27662502 | 0.7463398 | -0.20451634 | NA |
| ## | | NP_005855 | NP_115719 | NP_848591 | NP_006434 | NP_954653 |
| ## | A0.A12D.01TCGA | 2.345744980 | 3.4543962 | 2.5362349 | -0.5954192 | -1.136410543 |
| ## | C8.A131.01TCGA | 2.075622695 | 0.3026508 | 0.1852623 | -0.3976326 | -0.454302886 |
| ## | A0.A12B.01TCGA | -0.005760212 | -0.5683694 | -1.1780937 | -0.8954033 | -1.311124408 |
| ## | BH.A18Q.02TCGA | -0.356647354 | -0.6108964 | 1.0684853 | -0.8250008 | -0.025454550 |
| ## | C8.A130.02TCGA | 1.503380559 | 0.6079764 | -1.3927437 | -0.3333460 | -0.008638989 |
| ## | C8.A138.03TCGA | 1.770338806 | 0.8670254 | -0.5702303 | -1.3674866 | -1.126115413 |
| ## | | NP_001265280 | NP_004801 | NP_060745 | NP_056284 | NP_060846 |
| ## | A0.A12D.01TCGA | NA | -0.5954192 | 0.07510527 | -0.389690102 | -0.7859091 |
| ## | C8.A131.01TCGA | NA | 0.3512254 | 0.01120342 | -0.786229122 | -0.8024206 |
| ## | A0.A12B.01TCGA | NA | -2.8964075 | 0.24644391 | -1.139293028 | -1.4441552 |

```

## BH.A18Q.02TCGA -0.9554707 2.6709232 -1.43386031 -0.380065027 0.1786137
## C8.A130.02TCGA -0.2349499 -0.9663607 -0.82860621 -0.467820630 -1.6321741
## C8.A138.03TCGA -2.5085140 0.3659974 0.37696878 0.003940589 NA
## NP_002008 NP_001161153 NP_001129626 NP_001257939 NP_001129627
## AO.A12D.01TCGA -0.5992290 -0.3592117 0.8637335 -0.3592117 0.4027479
## C8.A131.01TCGA 0.5252843 1.3510520 0.2378848 1.3510520 -0.6121702
## AO.A12B.01TCGA -1.1448360 -1.7019022 -0.8261165 -1.7019022 -0.6792284
## BH.A18Q.02TCGA 0.8042002 0.8042002 -0.6242779 0.8042002 -0.8952538
## C8.A130.02TCGA -0.3136668 -0.4120629 0.4111842 -0.4120629 0.3619862
## C8.A138.03TCGA -1.1919439 -1.2175439 -1.7368577 -1.2175439 -1.7368577
## NP_059991 NP_001020419 NP_001122080 NP_000296 NP_653265
## AO.A12D.01TCGA NA -1.5592981 NA 2.433370338 1.2485231
## C8.A131.01TCGA NA 1.1365143 NA -0.004988103 2.1120536
## AO.A12B.01TCGA NA 0.9393124 NA -1.142064501 -0.7124861
## BH.A18Q.02TCGA NA -1.2063743 -0.21279593 0.784127861 -1.6814186
## C8.A130.02TCGA NA -0.5235784 -0.05783702 -0.815486730 0.7785295
## C8.A138.03TCGA NA -1.3053152 0.45011157 -3.155827650 0.9877110
## NP_689873 NP_001137384 NP_060089 NP_004090 NP_005987
## AO.A12D.01TCGA 1.4999698 1.4999698 -1.34213964 -0.5573212 -2.4926987
## C8.A131.01TCGA 0.4240873 0.4240873 -0.01308386 2.7354273 -0.5312126
## AO.A12B.01TCGA 0.5014195 0.5014195 0.02472600 -3.5033602 0.8284534
## BH.A18Q.02TCGA 0.3425375 0.3425375 0.54995113 0.3157744 -4.2908164
## C8.A130.02TCGA 0.7982088 0.7982088 0.34886672 -1.0286782 2.2183920
## C8.A138.03TCGA -1.6966291 -1.6966291 0.32576883 0.2343404 -0.8884014
## NP_005985 NP_001182665 NP_001186506 NP_570115 NP_000970
## AO.A12D.01TCGA -1.3726180 -0.7059034 1.1837565 0.9056413 0.28464417
## C8.A131.01TCGA 0.2014538 -0.9198092 2.0310960 2.0472875 0.67910377
## AO.A12B.01TCGA 0.5291342 1.5019216 -1.5965862 -1.7296170 -2.84929241
## BH.A18Q.02TCGA -0.9588161 -2.1832258 0.5365696 0.3258105 -1.38033420
## C8.A130.02TCGA 2.0379992 -1.1697126 -0.7531692 -0.6186946 2.02159984
## C8.A138.03TCGA -0.1460021 -0.2264592 -1.0273727 -0.7055444 -0.07651647
## NP_060849 NP_001035540 NP_036606 NP_113620 NP_116172
## AO.A12D.01TCGA -1.4297650 0.2274972 -0.8506757 -0.8506757 -0.4011195
## C8.A131.01TCGA -0.7659897 0.1083526 -0.5271647 -0.1992864 -0.1588076
## AO.A12B.01TCGA 3.1038335 -0.6348848 -0.9813190 -0.9397469 4.1514506
## BH.A18Q.02TCGA -2.0259929 -0.7915470 0.6302403 0.7239110 -0.5272618
## C8.A130.02TCGA -1.2057911 -0.9925996 -0.3333460 -0.3563051 -0.1824720
## C8.A138.03TCGA -0.8847442 0.1465690 -1.0529726 1.0974252 -1.7917147
## NP_065851 NP_001026882 NP_006001 NP_001129206 NP_689706
## AO.A12D.01TCGA -0.2982549 -1.1516497 1.4123444 -0.23729818 4.2963616
## C8.A131.01TCGA 0.2500284 -1.7010502 1.9541863 0.21359747 -0.2923876
## AO.A12B.01TCGA 1.0085992 1.7180965 0.3046449 -1.64092980 0.1965574
## BH.A18Q.02TCGA -0.8316916 0.5666780 0.1652322 -0.25294052 -3.6919931
## C8.A130.02TCGA -0.2546292 -1.3533852 -0.9106029 1.22131184 1.2672300
## C8.A138.03TCGA 1.7374246 0.3806259 -0.2484020 -0.08017361 1.6021104
## NP_055288 NP_076959 NP_001034937 NP_061989 NP_003253
## AO.A12D.01TCGA -1.13260074 0.4065577 -1.14022034 -0.62970739 2.8410187
## C8.A131.01TCGA -0.83885157 0.8693542 0.00715554 -0.83885157 0.5536195
## AO.A12B.01TCGA -0.71802900 1.3051469 2.43313680 0.19101443 -2.7994059
## BH.A18Q.02TCGA 1.52345725 -0.8584546 -0.52391645 -0.95212533 -2.8088123
## C8.A130.02TCGA 0.05367852 -0.4448615 -1.30746706 0.62765557 -2.2487894
## C8.A138.03TCGA -0.84085856 -0.4788018 -2.09525729 -0.04360222 1.1413109
## NP_056325 NP_665807 NP_004547 NP_006369 NP_055585
## AO.A12D.01TCGA 2.601001 -1.0030676 -0.2830158 NA -3.0413096

```

```

## C8.A131.01TCGA 1.278190 -0.5554999 -0.3935847 NA -1.0979160
## A0.A12B.01TCGA -2.286683 -1.5078991 0.1743856 NA -0.7512867
## BH.A18Q.02TCGA -1.296700 0.2053768 -0.3867558 0.7339471 1.0116138
## C8.A130.02TCGA -1.241870 0.1323954 -0.5202985 -0.7466095 -0.2611889
## C8.A138.03TCGA 3.372166 -1.2687438 -0.1642878 0.2014261 -0.5226875
## NP_001116244 NP_057269 NP_001002033 NP_689505 NP_000987
## A0.A12D.01TCGA -0.7173327 -1.6202549 -1.6202549 -0.37445091 1.031365
## C8.A131.01TCGA 5.6782367 0.3228903 0.3228903 -0.88337826 -1.207209
## A0.A12B.01TCGA 1.1554873 -1.4108975 -1.6049006 0.73422331 -3.589276
## BH.A18Q.02TCGA 0.4529351 -1.4238242 -1.4204788 -1.45058722 -1.042451
## C8.A130.02TCGA -0.2021513 -0.2119909 -0.2119909 0.08319734 1.595217
## C8.A138.03TCGA -1.0932012 -1.7880576 -1.8612004 -1.25777242 1.346111
## NP_653210 NP_057118 NP_068779 NP_056256 NP_872293
## A0.A12D.01TCGA -1.7231195 -0.1801512 0.3760793 0.11320326 0.1132033
## C8.A131.01TCGA -1.0412456 -1.2760227 0.8086360 1.35914777 1.0636525
## A0.A12B.01TCGA 0.5485346 0.8284534 -0.9452899 -2.70794724 -0.2579643
## BH.A18Q.02TCGA -1.6914547 1.6171279 -0.2830490 -0.53060721 -1.0558322
## C8.A130.02TCGA 1.5525786 1.6378552 0.4702219 -0.06439676 2.1659141
## C8.A138.03TCGA -0.2630306 0.8267969 0.6256542 2.10313847 2.6187951
## NP_003917 NP_085148 NP_055533 NP_612366 NP_612142
## A0.A12D.01TCGA -1.3573788 1.80094384 -0.42778808 2.75339338 -0.336352928
## C8.A131.01TCGA -0.3247707 1.99466508 -2.66444587 1.03126941 -0.300483410
## A0.A12B.01TCGA -0.6321133 -0.10553327 0.37947466 -2.43079985 0.268615701
## BH.A18Q.02TCGA -0.6744586 -0.02210917 -2.30031422 0.91794314 0.135123780
## C8.A130.02TCGA 1.8641661 -0.39566352 1.52961951 -0.06111689 0.007760356
## C8.A138.03TCGA -0.7713729 -0.67994444 0.06611196 4.15479354 -0.998115543
## NP_085151 NP_073571 NP_808807 NP_665858 NP_036359
## A0.A12D.01TCGA 0.49418307 -0.52303304 1.8580908 -0.03918867 -0.8925835
## C8.A131.01TCGA -0.07784996 -0.45025500 0.3795606 0.38360847 -2.1260777
## A0.A12B.01TCGA 1.99247245 -0.06673264 1.5906087 -0.57945530 1.2802037
## BH.A18Q.02TCGA -1.06252293 -1.95239450 -0.9588161 1.70410787 0.6436218
## C8.A130.02TCGA -0.77940817 -0.69413158 -1.5436176 0.44726278 -0.3694246
## C8.A138.03TCGA -0.93228704 0.78656837 -0.1716021 0.55251146 0.5671400
## NP_003816 NP_115584 NP_477520 NP_116032 NP_061158
## A0.A12D.01TCGA 0.8713531 2.8219698 3.5610706 0.1284424 -0.66018577
## C8.A131.01TCGA 1.4320096 1.8610850 2.5694642 0.7843487 -0.33286646
## A0.A12B.01TCGA -1.7767320 -1.7573317 -1.6825019 -1.5550141 1.75412570
## BH.A18Q.02TCGA -1.0023061 -1.2030290 -0.2863943 1.3093528 -1.13277595
## C8.A130.02TCGA -1.6912117 0.5325394 -0.9532412 -0.1923116 -0.03159807
## C8.A138.03TCGA 1.7593674 1.7118246 1.0498824 -1.3528580 0.83045404
## NP_689518 NP_003934 NP_037438 NP_000190 NP_056144
## A0.A12D.01TCGA -0.60303880 0.52847126 -0.7973385 -0.7211425 0.25797559
## C8.A131.01TCGA -0.19119063 2.48041079 0.3836085 0.5050449 -0.13452029
## A0.A12B.01TCGA -0.02238906 -1.04506292 0.4182753 2.7573992 0.06629811
## BH.A18Q.02TCGA 1.54352954 -3.25374805 -0.5406434 1.4431681 0.06487076
## C8.A130.02TCGA 0.34886672 -0.05455715 0.3127882 -0.3169467 -0.14639348
## C8.A138.03TCGA -0.53000173 0.33308311 -1.1297726 -0.1423450 0.74999698
## NP_060445 NP_054808 NP_006338 NP_116265 NP_443089
## A0.A12D.01TCGA -0.05061807 0.04843669 -0.43159788 1.7780851 -1.1897477
## C8.A131.01TCGA -0.20738215 0.15692713 -0.30048341 2.9378213 0.4443267
## A0.A12B.01TCGA -0.73188637 -0.10276180 -0.03070348 0.1549853 0.4044179
## BH.A18Q.02TCGA -0.15592444 -0.05556299 -0.48711725 -1.7617077 -0.3466112
## C8.A130.02TCGA -2.01263887 0.50958029 -0.20871099 1.3262676 0.7522906
## C8.A138.03TCGA 0.82679690 -0.40200186 -0.29960196 0.7170827 -0.1496593

```

| | | | | | | |
|----|----------------|--------------|-------------|--------------|--------------|--------------|
| ## | | NP_036231 | NP_056061 | NP_443148 | NP_061895 | NP_001138503 |
| ## | AO.A12D.01TCGA | 0.46370469 | -0.2944451 | -2.02409352 | 0.4294165 | 1.2751917 |
| ## | C8.A131.01TCGA | 0.08406528 | 1.0838919 | 0.09620892 | 1.2498550 | 3.3304658 |
| ## | AO.A12B.01TCGA | -0.52125435 | -0.3106223 | -2.48622933 | -1.6159865 | -1.8709621 |
| ## | BH.A18Q.02TCGA | 0.40609971 | 0.6369311 | 1.39967812 | -0.4670450 | -3.0563705 |
| ## | C8.A130.02TCGA | 0.33246737 | -0.1562331 | 1.38530528 | -0.6219745 | 0.1192759 |
| ## | C8.A138.03TCGA | -0.54463029 | -0.1533164 | NA | -0.1460021 | 1.0169681 |
| ## | | NP_659477 | NP_060242 | NP_443204 | NP_057358 | NP_002308 |
| ## | AO.A12D.01TCGA | -0.7897189 | 0.75324935 | 0.1741600 | 1.12279977 | 0.8827825 |
| ## | C8.A131.01TCGA | -2.0936947 | 1.01103001 | 0.2176453 | 0.62648132 | 1.4805842 |
| ## | AO.A12B.01TCGA | -1.4884987 | -0.47691077 | 0.5762493 | -1.23906609 | -3.8802807 |
| ## | BH.A18Q.02TCGA | 0.2120676 | 0.07490691 | 0.3860274 | 0.46297120 | -1.8888322 |
| ## | C8.A130.02TCGA | -0.5694966 | -0.03815781 | -0.8384458 | 0.04055904 | 2.3856653 |
| ## | C8.A138.03TCGA | -0.2081735 | 1.36805350 | -1.9782288 | -0.06554506 | 0.9767396 |
| ## | | NP_919424 | NP_077284 | NP_056950 | NP_036363 | NP_073567 |
| ## | AO.A12D.01TCGA | 0.2846442 | -2.2183932 | NA | NA | -0.06204746 |
| ## | C8.A131.01TCGA | 0.4078958 | -2.5834883 | NA | NA | 0.20145383 |
| ## | AO.A12B.01TCGA | -3.0682388 | 1.5213219 | NA | NA | -0.24133549 |
| ## | BH.A18Q.02TCGA | -0.3165028 | -0.7112578 | -0.2897397 | -1.2398282 | 0.22879447 |
| ## | C8.A130.02TCGA | 0.6014166 | -1.8060071 | 0.4243037 | 0.7752497 | 0.03727918 |
| ## | C8.A138.03TCGA | -0.4532018 | -3.6861128 | 2.6078237 | 2.6078237 | -2.00017167 |
| ## | | NP_068572 | NP_444252 | NP_002619 | NP_001002294 | NP_079428 |
| ## | AO.A12D.01TCGA | -8.386456 | -1.2507045 | -0.4582665 | NA | -0.1801512 |
| ## | C8.A131.01TCGA | -9.270588 | -0.3328665 | -0.1709512 | NA | -2.4822912 |
| ## | AO.A12B.01TCGA | -4.581464 | 0.9143691 | 0.8811114 | NA | 2.1033314 |
| ## | BH.A18Q.02TCGA | -5.190724 | -0.7848562 | -0.3399204 | 3.664502 | -1.4873864 |
| ## | C8.A130.02TCGA | -4.321667 | 1.5788175 | 1.4607423 | -0.159513 | -0.2939876 |
| ## | C8.A138.03TCGA | 1.005997 | -4.0627982 | -2.8559422 | NA | 0.3038260 |
| ## | | NP_775099 | NP_001131 | NP_775106 | NP_060560 | NP_056324 |
| ## | AO.A12D.01TCGA | -0.03918867 | 3.2524769 | -0.004900488 | -0.2639668 | -1.3116613 |
| ## | C8.A131.01TCGA | 0.53338006 | 2.2092028 | 0.533380061 | 0.9745991 | -0.1142809 |
| ## | AO.A12B.01TCGA | -0.66814247 | -0.2053063 | 0.451532977 | -0.3466515 | 1.0030563 |
| ## | BH.A18Q.02TCGA | -7.96070032 | -4.6721900 | 0.335846691 | -0.4703903 | -0.9019446 |
| ## | C8.A130.02TCGA | 0.37510567 | -1.3730644 | -0.025038333 | -0.6514933 | -0.1693526 |
| ## | C8.A138.03TCGA | 1.94953862 | 2.8528520 | 1.737424553 | -0.4312590 | -0.6616587 |
| ## | | NP_000975 | NP_006135 | NP_001238968 | NP_004153 | NP_001238965 |
| ## | AO.A12D.01TCGA | 0.1627306 | -2.48126930 | 0.84468450 | 1.8276124 | 1.1761369 |
| ## | C8.A131.01TCGA | 1.5655897 | -0.96838376 | 0.02739495 | 0.1569271 | 0.1650229 |
| ## | AO.A12B.01TCGA | -0.9785475 | -2.57214502 | -1.07277766 | -0.8067162 | -0.3854521 |
| ## | BH.A18Q.02TCGA | -1.0792498 | 4.84876682 | -1.13946671 | -0.6242779 | -1.0625229 |
| ## | C8.A130.02TCGA | 1.5591383 | 0.01759996 | 0.88348534 | 0.3652661 | -1.6157747 |
| ## | C8.A138.03TCGA | -0.5446303 | 1.84348159 | 0.39891162 | 1.0389110 | 1.5545676 |
| ## | | NP_001231630 | NP_008818 | NP_004917 | NP_001656 | NP_061485 |
| ## | AO.A12D.01TCGA | 1.44663261 | 1.0770822 | 1.43139342 | 0.0217681 | 0.45989489 |
| ## | C8.A131.01TCGA | 1.44010539 | 0.2297890 | 1.32271684 | 1.4684406 | 0.57790675 |
| ## | AO.A12B.01TCGA | -1.18640808 | -0.5378832 | -1.64924422 | -2.0677368 | -2.11208036 |
| ## | BH.A18Q.02TCGA | 0.02807156 | -0.1693060 | 0.02472618 | 0.7607102 | 0.93132466 |
| ## | C8.A130.02TCGA | 0.44070305 | 0.1455148 | 0.48334134 | -0.9860399 | -0.51045893 |
| ## | C8.A138.03TCGA | 0.03685484 | -0.4056590 | -0.04725936 | 0.7792541 | -0.09480217 |
| ## | | NP_002863 | NP_005043 | NP_001782 | NP_426359 | NP_036381 |
| ## | AO.A12D.01TCGA | 0.07891507 | 0.3798891 | 0.4103675 | 1.5799755 | -0.7249523 |
| ## | C8.A131.01TCGA | 2.37111800 | 0.6305292 | 0.5617152 | 0.5617152 | 2.6909006 |
| ## | AO.A12B.01TCGA | -1.89313392 | -2.1675098 | -2.1813672 | -2.6968613 | -3.2262129 |
| ## | BH.A18Q.02TCGA | 1.49000343 | 0.5298788 | 0.1050153 | -0.2663220 | -0.1191252 |

```

## C8.A130.02TCGA -0.73349001 -0.5760563 -1.1697126 -1.2221905 -1.1434736
## C8.A138.03TCGA -0.47148750 -0.1898878 0.1977690 0.2599403 -0.1789164
## NP_065714 NP_001001563 NP_004647 NP_620412 NP_733839
## A0.A12D.01TCGA -0.7249523 0.2960736 -0.07347685 -2.275540 -2.275540
## C8.A131.01TCGA 3.3102264 -0.4988296 0.17311866 -2.583488 -2.704925
## A0.A12B.01TCGA -2.3947707 1.1194582 -0.58499825 1.668210 1.715325
## BH.A18Q.02TCGA -0.1191252 -2.1430813 -0.34995659 -1.263246 -1.156194
## C8.A130.02TCGA -1.1434736 1.9560025 -0.55637709 1.641135 1.729692
## C8.A138.03TCGA -0.1789164 0.2745689 0.20142610 -2.033086 -2.142800
## NP_002433 NP_076943 NP_060017 NP_057034 NP_005677
## A0.A12D.01TCGA -2.8508197 0.2541658 0.3151226 0.1513012 -0.06585726
## C8.A131.01TCGA -3.2554365 -0.5474041 0.5860025 -0.1790470 0.94626392
## A0.A12B.01TCGA 1.6127805 -1.5494712 1.2109168 0.9309980 -0.29953644
## BH.A18Q.02TCGA -1.8252700 -2.6248163 -0.1525791 0.1652322 -0.15257906
## C8.A130.02TCGA 1.7526506 3.4024246 -0.6974115 0.3652661 -0.27758824
## C8.A138.03TCGA 0.6402828 0.0514834 0.2379975 -1.2650867 1.29491071
## NP_008871 NP_001139291 NP_036610 NP_057154 NP_057152
## A0.A12D.01TCGA 0.1246326 -0.222058983 -4.321402 0.1093935 -1.2354653
## C8.A131.01TCGA -0.5150211 0.326938134 -3.166383 -0.8590910 -2.7211162
## A0.A12B.01TCGA -3.4396163 -4.024397332 0.656622 1.7762975 1.1942880
## BH.A18Q.02TCGA -0.3633381 0.004653887 1.921558 0.4897343 -1.0156876
## C8.A130.02TCGA -0.1398337 -1.428822208 -0.933562 1.0901171 -0.5662167
## C8.A138.03TCGA 1.9641672 2.198224088 1.009654 -0.3946876 -0.4824589
## NP_001002913 NP_073581 NP_057616 NP_056137 NP_005508
## A0.A12D.01TCGA -0.06585726 2.2505000 0.63895540 -0.02394948 -0.9535402
## C8.A131.01TCGA -0.98862317 0.5212364 -0.08189784 0.97055120 -3.5914106
## A0.A12B.01TCGA 0.91714059 -1.3998116 0.73976626 -0.20807781 -0.2441070
## BH.A18Q.02TCGA -1.25990046 -0.6711132 0.15854145 -0.45700881 -5.5419892
## C8.A130.02TCGA 2.12983551 -1.7502494 0.17831354 1.20491249 0.9589223
## C8.A138.03TCGA 0.18679755 2.4139953 1.48873909 1.40828203 2.2311383
## NP_001188292 NP_006344 NP_004233 NP_001188291 NP_001536
## A0.A12D.01TCGA 0.2617854 -1.0068774 -0.01252008 0.1360620 -0.31349414
## C8.A131.01TCGA -2.9558933 -4.8300622 -2.59563190 -3.3404420 -1.22744814
## A0.A12B.01TCGA -0.2524214 -2.7079472 -0.24964991 -0.2524214 1.60169464
## BH.A18Q.02TCGA -6.6827645 -2.6984147 -3.99307744 -7.4187485 0.82092706
## C8.A130.02TCGA -0.5760563 0.1127162 0.26687000 0.1783135 -0.08407597
## C8.A138.03TCGA -1.2321724 0.8523969 -2.54874255 -0.1313736 -0.31788766
## NP_787117 NP_001138467 NP_001185624 NP_006285 NP_001186904
## A0.A12D.01TCGA -0.99925781 2.1285865 -7.0835055 -2.1040993 -1.5669177
## C8.A131.01TCGA 0.82482749 1.2539029 -9.8170515 -0.3369143 -0.1547597
## A0.A12B.01TCGA -0.34942297 -0.3327941 -5.6512525 0.9781130 1.7707545
## BH.A18Q.02TCGA -0.09905295 -2.7485954 -3.0429890 1.8947946 1.0584492
## C8.A130.02TCGA 0.71621203 1.7657701 -0.4547012 -0.4219025 -0.6022953
## C8.A138.03TCGA -1.27240098 2.2969668 -3.3350275 1.4302249 1.1230252
## NP_055547 NP_002804 NP_001161212 NP_077304 NP_057110
## A0.A12D.01TCGA 0.6008574 -0.2144394 -1.140220 -0.7935287 -0.1039552
## C8.A131.01TCGA 0.7641093 0.3755127 -1.611997 -0.7376546 1.0150779
## A0.A12B.01TCGA -1.2362946 -1.0256626 1.158259 1.5324078 -1.1254357
## BH.A18Q.02TCGA -0.5841333 -0.5105349 -2.584672 -0.8584546 -1.1428121
## C8.A130.02TCGA -0.6318141 0.2340713 1.470582 -1.0253983 -1.1369139
## C8.A138.03TCGA -0.5263446 0.3952545 1.916624 -0.5921731 0.9218825
## NP_001186752 NP_006147 NP_001186750 NP_116193 NP_776186
## A0.A12D.01TCGA -0.4811253 -1.4564336 -2.5422261 0.0255779 1.1532782
## C8.A131.01TCGA -0.0697542 0.2945551 -1.4986562 0.6750559 0.5171885

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|-------------|--------------|
| ## | A0.A12B.01TCGA | -0.1748201 | -0.4519675 | 1.2386316 | 0.1106417 | 0.1522138 |
| ## | BH.A18Q.02TCGA | -2.2601696 | -2.7419046 | -0.4436273 | -0.5975148 | -0.1860329 |
| ## | C8.A130.02TCGA | 0.5587783 | 1.4213838 | -0.7958075 | 1.7034526 | 0.6538945 |
| ## | C8.A138.03TCGA | 1.3314821 | 1.4192534 | -0.6104588 | 0.9913682 | -0.4093161 |
| ## | | NP_954673 | NP_003341 | NP_001027459 | NP_068823 | NP_001244324 |
| ## | A0.A12D.01TCGA | -0.44683707 | 0.07510527 | -0.38588030 | -0.44683707 | -0.45445667 |
| ## | C8.A131.01TCGA | 0.50504489 | 0.66696013 | 0.52933218 | 0.50504489 | 0.46456609 |
| ## | A0.A12B.01TCGA | 0.46261887 | 0.63445025 | 0.38501760 | 0.46261887 | 0.30464486 |
| ## | BH.A18Q.02TCGA | -0.06559913 | -0.50384416 | -0.06225375 | -0.06225375 | -0.05556299 |
| ## | C8.A130.02TCGA | 0.47022187 | 1.65753440 | 0.47022187 | 0.48334134 | 0.43086344 |
| ## | C8.A138.03TCGA | -0.26668771 | -1.23948673 | -0.22645918 | -0.37274474 | -0.47880178 |
| ## | | NP_001244326 | NP_954580 | NP_001123556 | NP_003456 | NP_009129 |
| ## | A0.A12D.01TCGA | -0.9192520 | NA | 0.5970476 | NA | -1.0906930 |
| ## | C8.A131.01TCGA | 0.2743157 | NA | 1.5332066 | NA | -1.3691240 |
| ## | A0.A12B.01TCGA | 0.4626189 | NA | -0.6237989 | NA | 1.2441745 |
| ## | BH.A18Q.02TCGA | 0.1083607 | -3.8391899 | -0.5205711 | -1.249864 | -0.4101735 |
| ## | C8.A130.02TCGA | 0.4243037 | 0.5948569 | 0.8998847 | -2.908043 | -1.1697126 |
| ## | C8.A138.03TCGA | 0.7938826 | 4.1584507 | -0.2630306 | NA | -0.8481728 |
| ## | | NP_060372 | NP_689449 | NP_078976 | NP_060338 | NP_001020279 |
| ## | A0.A12D.01TCGA | -0.34778232 | 1.759036063 | -0.2258688 | 1.2790015 | -1.856462 |
| ## | C8.A131.01TCGA | 0.07596952 | 1.011030010 | 1.2781902 | 1.4279617 | -1.976306 |
| ## | A0.A12B.01TCGA | -0.03070348 | -1.369325359 | -0.1859060 | -0.7623726 | -2.685775 |
| ## | BH.A18Q.02TCGA | -1.24986431 | 0.961433099 | 0.1083607 | -2.0661375 | -8.887371 |
| ## | C8.A130.02TCGA | 0.32590764 | 0.001200618 | -0.2743084 | 1.4345033 | -1.192672 |
| ## | C8.A138.03TCGA | 0.33308311 | -0.372744745 | 0.1685119 | 4.0048508 | 3.024738 |
| ## | | NP_002052 | NP_057731 | NP_005172 | NP_000144 | NP_001138582 |
| ## | A0.A12D.01TCGA | -1.92884856 | 5.035462 | -4.123292 | -0.3058745 | 0.6008574 |
| ## | C8.A131.01TCGA | 0.19740594 | 2.658518 | 4.633883 | 1.6303558 | 1.9339469 |
| ## | A0.A12B.01TCGA | -0.01961758 | -2.389228 | -1.200265 | 0.7730239 | -1.3665539 |
| ## | BH.A18Q.02TCGA | 0.39940895 | -3.645158 | 0.171923 | -0.1258160 | -0.6443502 |
| ## | C8.A130.02TCGA | 1.14915472 | -3.101555 | -2.494780 | 1.4541825 | -0.2808681 |
| ## | C8.A138.03TCGA | -0.73845866 | 4.853307 | -3.210685 | -1.1297726 | 4.3266791 |
| ## | | NP_060758 | NP_006080 | NP_079106 | NP_060069 | NP_002446 |
| ## | A0.A12D.01TCGA | -0.7287621 | -1.9288486 | -0.5535114 | 2.3076470 | 1.19899573 |
| ## | C8.A131.01TCGA | -0.1830949 | 0.5455237 | -0.3976326 | 0.7317262 | 0.34312966 |
| ## | A0.A12B.01TCGA | 0.2741586 | -1.1032639 | 0.5180484 | -1.5106705 | -1.54115674 |
| ## | BH.A18Q.02TCGA | -1.1595390 | 0.4562804 | -1.1127037 | -2.0326837 | -0.56406103 |
| ## | C8.A130.02TCGA | 0.1356752 | 1.5820974 | 0.7719698 | 0.4144641 | 0.66701400 |
| ## | C8.A138.03TCGA | 0.7353684 | -1.7368577 | -3.7007414 | 1.9166244 | 0.08074051 |
| ## | | NP_001108224 | NP_004381 | NP_612377 | NP_075566 | NP_689488 |
| ## | A0.A12D.01TCGA | 0.4865635 | -2.3326872 | -0.7020936 | 0.1436816 | -1.025926 |
| ## | C8.A131.01TCGA | -0.4097762 | 1.0110300 | 0.1326398 | 0.2743157 | -2.008689 |
| ## | A0.A12B.01TCGA | -4.4234896 | 0.5596205 | 0.2797016 | 1.2885181 | 1.407691 |
| ## | BH.A18Q.02TCGA | 0.1719230 | 1.4364773 | 0.6536580 | -0.6410048 | -1.651310 |
| ## | C8.A130.02TCGA | -0.3727044 | 1.3590663 | 0.1094363 | -1.0319581 | -0.559657 |
| ## | C8.A138.03TCGA | 1.7264531 | 0.7609684 | -0.1350307 | 0.7280541 | 2.128738 |
| ## | | NP_689730 | NP_005555 | NP_055730 | NP_612486 | NP_000845 |
| ## | A0.A12D.01TCGA | -0.9954480 | -3.601350 | 2.7419640 | -2.149817 | -1.10593216 |
| ## | C8.A131.01TCGA | -2.5753925 | 8.333647 | 0.4848055 | -1.761768 | -0.83075581 |
| ## | A0.A12B.01TCGA | 0.8007387 | -1.693588 | 0.6954227 | -1.214123 | 4.88311971 |
| ## | BH.A18Q.02TCGA | -2.1497720 | -7.080865 | -3.0630613 | -1.273282 | -0.61089638 |
| ## | C8.A130.02TCGA | -0.5760563 | -7.463781 | -1.1697126 | -0.133274 | -1.63217408 |
| ## | C8.A138.03TCGA | 2.3371954 | -6.275367 | 1.0023396 | 3.244166 | 0.06245481 |
| ## | | NP_004654 | NP_003977 | NP_065109 | NP_001879 | NP_004214 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|-------------|
| ## | A0.A12D.01TCGA | 1.0847018 | 4.7344884 | 0.162730632 | 0.2808344 | 0.5170419 |
| ## | C8.A131.01TCGA | 1.1810410 | 1.2296156 | -0.640505408 | 1.9258511 | -2.2110832 |
| ## | A0.A12B.01TCGA | -1.0339770 | -2.1120804 | 0.504190981 | -1.4386122 | 1.1804306 |
| ## | BH.A18Q.02TCGA | -0.9721976 | 7.7124137 | -0.002036877 | -0.2194867 | 0.7740917 |
| ## | C8.A130.02TCGA | 0.2668700 | -0.5858959 | -0.986039911 | -2.5898958 | 0.5325394 |
| ## | C8.A138.03TCGA | 2.5017666 | -4.3626836 | -1.433315103 | -2.7974280 | -0.3544590 |
| ## | NP_003152 | NP_003286 | NP_997305 | NP_004315 | NP_001138792 | |
| ## | A0.A12D.01TCGA | -1.4754826 | 0.95516865 | 1.2370937 | 0.9208805 | NA |
| ## | C8.A131.01TCGA | -0.7174151 | 1.74369646 | 2.0918142 | 1.5251109 | NA |
| ## | A0.A12B.01TCGA | -0.3133938 | -0.36605182 | -0.2829076 | 0.4459900 | NA |
| ## | BH.A18Q.02TCGA | -0.2830490 | -0.06225375 | -0.1124345 | -1.2699366 | -1.2063743 |
| ## | C8.A130.02TCGA | 0.2570304 | -0.18575191 | 0.2439109 | -0.0283182 | -0.5399777 |
| ## | C8.A138.03TCGA | -0.4276018 | 1.37171064 | 1.6642818 | -0.3252019 | 0.6475971 |
| ## | NP_001186284 | NP_057479 | NP_000478 | NP_056028 | NP_659410 | |
| ## | A0.A12D.01TCGA | 0.5932378 | -0.3020647 | -1.98980533 | 0.1322522 | 0.0217681 |
| ## | C8.A131.01TCGA | 1.8853723 | -1.1869693 | 4.06313223 | 1.2053283 | 1.3672435 |
| ## | A0.A12B.01TCGA | -1.4358407 | -3.4534737 | 1.81509812 | -0.7041716 | -0.7041716 |
| ## | BH.A18Q.02TCGA | -1.4372057 | -2.3337680 | 0.77743710 | 0.4161359 | -1.2063743 |
| ## | C8.A130.02TCGA | 1.4705819 | -2.9474015 | 0.09959668 | -1.0352379 | -1.0647568 |
| ## | C8.A138.03TCGA | -0.0326308 | 4.6046217 | -0.99811554 | -0.3617733 | -0.6909159 |
| ## | NP_001122400 | NP_997263 | NP_055557 | NP_057107 | NP_006782 | |
| ## | A0.A12D.01TCGA | -0.9192520 | 2.0904885 | 3.03150865 | 1.3704367 | -0.06966706 |
| ## | C8.A131.01TCGA | 0.3998000 | 4.1764729 | 0.01120342 | 1.5979727 | -0.23976520 |
| ## | A0.A12B.01TCGA | 2.9430880 | -0.8094876 | -0.71248605 | 0.3240452 | 0.21318622 |
| ## | BH.A18Q.02TCGA | 2.3698389 | -1.2398282 | 0.04145309 | -1.5275310 | 1.79777856 |
| ## | C8.A130.02TCGA | -0.8614049 | -0.2907077 | -2.29798746 | -0.1398337 | 0.86708600 |
| ## | C8.A138.03TCGA | -1.2102296 | 2.7175378 | 2.13239558 | -0.4568589 | 0.57445430 |
| ## | NP_996670 | NP_001135891 | NP_612505 | NP_065228 | NP_689968 | |
| ## | A0.A12D.01TCGA | -0.06966706 | 0.52466146 | 1.0542234 | NA | -0.3744509 |
| ## | C8.A131.01TCGA | -0.23976520 | -0.45835077 | 0.3593212 | NA | 0.4443267 |
| ## | A0.A12B.01TCGA | 0.21318622 | -0.47413930 | -0.4713678 | NA | 1.1416300 |
| ## | BH.A18Q.02TCGA | 1.82119624 | -1.29335427 | 1.1287022 | 0.07156152 | -1.4539326 |
| ## | C8.A130.02TCGA | 0.64733478 | -0.11031492 | 0.1979927 | -1.73057014 | -0.8253263 |
| ## | C8.A138.03TCGA | 0.60371141 | 0.05514054 | 0.0514834 | -2.77914232 | 1.2107965 |
| ## | NP_005680 | NP_001136202 | NP_001245151 | NP_001123466 | NP_689608 | |
| ## | A0.A12D.01TCGA | 0.17796982 | -1.9974249 | -1.9974249 | -0.1420532 | -0.5763702 |
| ## | C8.A131.01TCGA | 0.04358647 | -0.1385682 | -0.1385682 | -0.2842919 | -0.5514520 |
| ## | A0.A12B.01TCGA | -0.85660269 | -1.7656461 | -1.7656461 | -1.5771859 | 1.4409492 |
| ## | BH.A18Q.02TCGA | -2.33711342 | 0.7339471 | 0.7339471 | -1.4004065 | 0.7038387 |
| ## | C8.A130.02TCGA | -0.99259965 | 2.7005327 | 2.7005327 | 2.0675180 | 0.1815934 |
| ## | C8.A138.03TCGA | -2.02211451 | -0.1313736 | -0.1313736 | 0.1392547 | -0.5117160 |
| ## | NP_115725 | NP_001165377 | NP_694950 | NP_663781 | NP_001545 | |
| ## | A0.A12D.01TCGA | -2.71366698 | -0.65637597 | 0.5399006 | -0.008710286 | 1.4885404 |
| ## | C8.A131.01TCGA | -1.12625112 | -0.55145203 | 1.7072655 | -1.478416761 | 0.6467207 |
| ## | A0.A12B.01TCGA | 2.14490352 | -0.08890443 | -0.7402008 | 2.557853123 | -1.0450629 |
| ## | BH.A18Q.02TCGA | -0.56740641 | 0.62689491 | 1.1588106 | 0.539914985 | -0.8785269 |
| ## | C8.A130.02TCGA | -0.28414797 | 0.19799275 | -0.7170907 | -0.674452368 | 0.1914330 |
| ## | C8.A138.03TCGA | -0.08017361 | -0.42760183 | 0.2270261 | -0.581201678 | -0.5994874 |
| ## | NP_001073982 | NP_001013 | NP_002563 | NP_149163 | NP_001107609 | |
| ## | A0.A12D.01TCGA | 0.2617854 | 0.9285001 | 0.124632650 | 1.7476067 | -1.6583529 |
| ## | C8.A131.01TCGA | 1.8327498 | 0.4200394 | -0.009035984 | 0.4483746 | 3.1806942 |
| ## | A0.A12B.01TCGA | -1.7739605 | -0.4575105 | 1.130544077 | -1.7822750 | -0.6099415 |
| ## | BH.A18Q.02TCGA | -0.2429044 | -1.0056514 | 0.546605748 | -0.5774426 | -1.4137880 |
| ## | C8.A130.02TCGA | 0.5095803 | 1.4213838 | -0.736769877 | -4.5184587 | -0.0184786 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A138.03TCGA | -1.4662294 | -0.8554871 | 0.446454428 | -0.1789164 | -1.8575432 |
| ## | | NP_001107607 | NP_078846 | NP_008987 | NP_919261 | NP_001243370 |
| ## | A0.A12D.01TCGA | -1.1973673 | -0.66780537 | 0.0179583 | 1.2370937 | 0.2770246 |
| ## | C8.A131.01TCGA | 3.2454603 | 0.05977799 | -0.4259677 | -0.4219198 | 0.9017372 |
| ## | A0.A12B.01TCGA | -0.8094876 | 0.12449906 | -0.6570566 | -2.4086281 | -0.7900873 |
| ## | BH.A18Q.02TCGA | -0.3098120 | -0.69787630 | -0.6878402 | -2.3672219 | -0.6878402 |
| ## | C8.A130.02TCGA | -0.2874278 | 0.29310895 | 0.3095083 | 0.4013446 | 1.6509747 |
| ## | C8.A138.03TCGA | -1.5064579 | 1.35342494 | -0.1825735 | 2.1360527 | 0.1319405 |
| ## | | NP_003038 | NP_060116 | NP_001689 | NP_005477 | NP_065843 |
| ## | A0.A12D.01TCGA | 1.7780851 | -0.008710286 | 0.5437104 | -3.0032116 | 2.5857623 |
| ## | C8.A131.01TCGA | 0.4483746 | 0.229788991 | -0.5028775 | -1.9358273 | -0.1709512 |
| ## | A0.A12B.01TCGA | -0.5517406 | 0.817367529 | 2.8959729 | 1.2164598 | -2.1841387 |
| ## | BH.A18Q.02TCGA | -3.6618846 | 0.499770402 | -0.8183101 | -2.4174026 | -2.1932620 |
| ## | C8.A130.02TCGA | -0.3858239 | 0.365266062 | -0.7466095 | -0.9040432 | -2.0683966 |
| ## | C8.A138.03TCGA | 0.7573113 | -0.135030700 | -2.1025716 | -3.6385700 | 1.7739959 |
| ## | | NP_001013679 | NP_114430 | NP_002140 | NP_061882 | NP_005435 |
| ## | A0.A12D.01TCGA | 0.7456298 | 0.52847126 | -0.3744509 | -0.2258688 | -0.2106296 |
| ## | C8.A131.01TCGA | -0.6364575 | 2.81638491 | 1.2417592 | 0.4281352 | 0.1852623 |
| ## | A0.A12B.01TCGA | -0.8205735 | -0.05010379 | -0.2330211 | 1.5434937 | -0.3549659 |
| ## | BH.A18Q.02TCGA | 0.3458828 | 5.98285127 | 1.1353930 | -0.6945309 | 0.2789752 |
| ## | C8.A130.02TCGA | 0.6473348 | -0.27102850 | 0.3488667 | -1.7568091 | 0.7194919 |
| ## | C8.A138.03TCGA | -1.1736582 | -0.84817284 | 0.2123975 | -1.3345723 | 0.3623402 |
| ## | | NP_000601 | NP_057042 | NP_115898 | NP_694587 | NP_055836 |
| ## | A0.A12D.01TCGA | -0.1687218 | 0.2770246 | -1.72692926 | 0.726580760 | -0.02775928 |
| ## | C8.A131.01TCGA | 1.6101164 | -1.1586342 | -1.37317186 | 0.707438941 | 1.03531730 |
| ## | A0.A12B.01TCGA | -0.8538312 | 0.0884699 | -0.14156243 | 0.185471485 | -0.84828827 |
| ## | BH.A18Q.02TCGA | 0.4596258 | -0.3901012 | 0.07825229 | 1.232409030 | -1.54425791 |
| ## | C8.A130.02TCGA | -1.8748844 | -0.5924556 | -0.45798102 | 0.001200618 | -2.10119532 |
| ## | C8.A138.03TCGA | -1.5393721 | -1.0383441 | -0.92862990 | -0.946915594 | 4.73993581 |
| ## | | NP_116245 | NP_056494 | NP_003901 | NP_998766 | NP_006822 |
| ## | A0.A12D.01TCGA | -1.3573788 | -0.4049293 | -0.1382434 | -0.8125777 | -0.1915806 |
| ## | C8.A131.01TCGA | -0.6283618 | -0.5514520 | -0.6971757 | -0.4097762 | -0.5433563 |
| ## | A0.A12B.01TCGA | 0.5402201 | 1.2524889 | -0.6653710 | 1.0529428 | 0.1827000 |
| ## | BH.A18Q.02TCGA | -0.6376594 | 0.7640556 | 0.8577263 | -1.3636073 | -0.3934466 |
| ## | C8.A130.02TCGA | 0.3619862 | -0.0184786 | 1.0901171 | -0.4186226 | 1.8969648 |
| ## | C8.A138.03TCGA | -0.8810871 | -1.6308006 | -0.7823443 | 0.2709117 | -0.1130879 |
| ## | | NP_001124198 | NP_001123553 | NP_002653 | NP_006469 | NP_071942 |
| ## | A0.A12D.01TCGA | 1.7361773 | 2.261929421 | 2.261929421 | 0.3836989 | 0.7342004 |
| ## | C8.A131.01TCGA | 0.6345771 | 2.334687074 | 2.334687074 | -1.0857723 | -1.3084058 |
| ## | A0.A12B.01TCGA | -0.6681425 | -1.147607449 | -1.147607449 | -0.2025349 | 1.7236395 |
| ## | BH.A18Q.02TCGA | -1.4572780 | -6.381680085 | -4.561792353 | 0.8075455 | 0.9781600 |
| ## | C8.A130.02TCGA | 0.8113282 | -0.008638989 | 0.001200618 | -0.1037552 | 0.9195639 |
| ## | C8.A138.03TCGA | -0.1057736 | NA | NA | 1.4741105 | 0.4171973 |
| ## | | NP_036373 | NP_001229756 | NP_065095 | NP_689741 | NP_663729 |
| ## | A0.A12D.01TCGA | 0.08653467 | -0.2601570 | -0.58018001 | -0.2068198 | -2.4241223 |
| ## | C8.A131.01TCGA | -0.14261605 | -0.1709512 | 0.56576311 | -0.6850321 | -1.0452935 |
| ## | A0.A12B.01TCGA | 1.79015486 | 1.8816135 | -0.08890443 | 0.9282265 | 2.9957460 |
| ## | BH.A18Q.02TCGA | -0.17599673 | -0.2964305 | -0.30646663 | 0.1418145 | -0.7012217 |
| ## | C8.A130.02TCGA | 1.72313177 | 1.7296915 | -0.56949657 | 0.1684739 | 0.6998127 |
| ## | C8.A138.03TCGA | 0.19411182 | 0.2197118 | -0.94325846 | -1.5869149 | -1.1334297 |
| ## | | NP_001035350 | NP_208382 | XP_003960218 | NP_057128 | NP_955368 |
| ## | A0.A12D.01TCGA | -0.1572924 | 0.35322054 | -0.5801800 | 0.28845397 | 0.1665404 |
| ## | C8.A131.01TCGA | -0.4543029 | -0.07380208 | -1.3084058 | 1.24580710 | 1.2781902 |
| ## | A0.A12B.01TCGA | 3.6886145 | -1.07554913 | -1.0561488 | 1.41600589 | 1.9703007 |

| | | | | | | |
|----|----------------|--------------|--------------|-------------|--------------|--------------|
| ## | BH.A18Q.02TCGA | -1.1929928 | NA | -0.7480570 | 1.88475849 | 1.4230958 |
| ## | C8.A130.02TCGA | 0.5882971 | NA | 0.4571024 | -0.49405958 | -0.3103869 |
| ## | C8.A138.03TCGA | -1.8392576 | NA | -1.4442865 | 0.00028345 | 0.4610830 |
| ## | | NP_001186102 | NP_733468 | NP_055685 | NP_001092198 | NP_001506 |
| ## | A0.A12D.01TCGA | -0.36302152 | 0.9246903 | -0.59922900 | 0.05986608 | 0.02938770 |
| ## | C8.A131.01TCGA | -0.63645753 | 0.7479178 | -0.04546691 | 0.31884237 | 0.73982199 |
| ## | A0.A12B.01TCGA | 0.92545501 | -2.5943168 | 0.30741634 | -0.07781853 | 0.01086863 |
| ## | BH.A18Q.02TCGA | -0.05221761 | -1.1963382 | -0.90863536 | -0.06559913 | -0.06559913 |
| ## | C8.A130.02TCGA | -0.40550312 | 1.0277996 | -0.26446876 | 0.45710239 | 0.45710239 |
| ## | C8.A138.03TCGA | -0.58851596 | 1.5655390 | NA | 0.87433971 | 0.80851120 |
| ## | | NP_003784 | NP_061720 | NP_060292 | NP_057047 | NP_060085 |
| ## | A0.A12D.01TCGA | -0.4735057 | -0.2411080 | 0.35703034 | 0.46751448 | 0.07129548 |
| ## | C8.A131.01TCGA | 0.1488314 | -0.2316694 | 0.04763435 | 1.46844055 | 0.36741694 |
| ## | A0.A12B.01TCGA | 2.6991983 | -1.2750952 | 0.24090096 | -0.01407463 | 0.05521221 |
| ## | BH.A18Q.02TCGA | 2.0486822 | -4.2406357 | 0.76071019 | -1.50745871 | 0.20537680 |
| ## | C8.A130.02TCGA | 1.0802775 | -1.4911397 | 1.41482410 | -0.55309722 | -1.45834103 |
| ## | C8.A138.03TCGA | -2.2269143 | 2.4688524 | 0.35868309 | -1.70394340 | 0.05148340 |
| ## | | NP_113638 | NP_037541 | NP_065090 | NP_937802 | NP_001171896 |
| ## | A0.A12D.01TCGA | -0.1801512 | 0.1703502 | -0.50779385 | 0.1932090 | 0.1932090 |
| ## | C8.A131.01TCGA | 0.2378848 | -0.2964355 | -0.67693634 | 1.2336635 | 1.2336635 |
| ## | A0.A12B.01TCGA | 0.1217276 | -1.0284341 | -0.52125435 | -1.8349330 | -1.8349330 |
| ## | BH.A18Q.02TCGA | 0.6804210 | 0.7707463 | -0.08232604 | -3.1433504 | -3.2872019 |
| ## | C8.A130.02TCGA | 0.6440549 | -0.8974835 | 0.05367852 | 0.6538945 | 0.6440549 |
| ## | C8.A138.03TCGA | -0.3215448 | 2.2823383 | 0.95479677 | 0.1941118 | 1.1266823 |
| ## | | NP_006512 | NP_001161299 | NP_060093 | NP_663786 | NP_001010 |
| ## | A0.A12D.01TCGA | 0.8751629 | 0.1132033 | 0.1893992 | -0.9954480 | 0.4027479 |
| ## | C8.A131.01TCGA | 1.1527058 | 0.6791038 | -0.2397652 | -0.5109732 | 0.8693542 |
| ## | A0.A12B.01TCGA | -1.8349330 | -1.8349330 | -0.3466515 | -3.6280766 | -0.8621456 |
| ## | BH.A18Q.02TCGA | -3.4310533 | -0.6911855 | 0.3391921 | 0.6101680 | 0.6603487 |
| ## | C8.A130.02TCGA | 0.8113282 | 1.0245197 | -1.0549172 | -1.1270743 | 0.8670860 |
| ## | C8.A138.03TCGA | 0.6549114 | -0.1862306 | 1.7959388 | -2.3475999 | 0.2709117 |
| ## | | NP_006067 | NP_277037 | NP_679211 | NP_057569 | NP_115721 |
| ## | A0.A12D.01TCGA | 0.2922638 | -0.16872181 | 0.41798711 | 0.2160678 | -0.2715864 |
| ## | C8.A131.01TCGA | -0.3045313 | 1.07579611 | -0.12237665 | 0.7803008 | 0.3512254 |
| ## | A0.A12B.01TCGA | 2.0063298 | -0.02516053 | -0.61825594 | -0.2302496 | 0.5485346 |
| ## | BH.A18Q.02TCGA | -1.0156876 | -1.78847079 | 0.07825229 | 1.1454291 | -1.2766274 |
| ## | C8.A130.02TCGA | -0.1923116 | 0.26687000 | -0.60885499 | 1.7821694 | -0.5924556 |
| ## | C8.A138.03TCGA | 0.4135402 | 0.39525448 | 0.78291123 | 1.3534249 | 1.1888537 |
| ## | | NP_001137325 | NP_061326 | NP_002370 | NP_115598 | NP_001076047 |
| ## | A0.A12D.01TCGA | -0.3173039 | -0.42397829 | NA | 0.2808344 | 0.8637335 |
| ## | C8.A131.01TCGA | 0.3593212 | 0.09216104 | NA | 0.4605182 | 0.6912474 |
| ## | A0.A12B.01TCGA | 0.3794747 | 0.25198686 | NA | 1.2081453 | -0.1443339 |
| ## | BH.A18Q.02TCGA | -1.2498643 | 0.15854145 | 4.3436142 | -2.6917239 | -0.1559244 |
| ## | C8.A130.02TCGA | -0.5694966 | -0.01519873 | 0.2963888 | 0.4997407 | 0.8244477 |
| ## | C8.A138.03TCGA | 0.7390256 | -0.63240163 | 2.4542238 | 2.9991376 | 0.2965117 |
| ## | | NP_061193 | NP_006322 | NP_057673 | NP_036330 | NP_006735 |
| ## | A0.A12D.01TCGA | 1.2599525 | -1.7764566 | 3.3324827 | -1.3649984 | -2.9079667 |
| ## | C8.A131.01TCGA | 0.7843487 | -1.7415290 | 0.7964923 | 4.4233936 | 1.0798440 |
| ## | A0.A12B.01TCGA | -0.5046255 | -0.3327941 | -3.0599244 | -1.9402490 | -2.7495193 |
| ## | BH.A18Q.02TCGA | -1.7382901 | 2.0520276 | -1.3937157 | 0.3525736 | 0.5599873 |
| ## | C8.A130.02TCGA | 1.0081204 | 0.4964608 | 0.2996687 | 0.9490827 | 0.8900451 |
| ## | C8.A138.03TCGA | 0.3294260 | -0.7823443 | 0.7755970 | -3.6787986 | -1.7002863 |
| ## | | NP_001912 | NP_005015 | NP_055321 | NP_001131147 | NP_619649 |
| ## | A0.A12D.01TCGA | 0.2427364 | -1.1897477 | -1.66978229 | -0.2220590 | -0.1039552 |

```

## C8.A131.01TCGA 1.2781902 6.1639824 -0.61621812 0.3107466 0.1285920
## A0.A12B.01TCGA -0.9480613 -0.8011732 -0.52125435 -0.1277051 -0.2856791
## BH.A18Q.02TCGA 0.2957021 -1.7014909 -0.35999274 -0.4202096 0.3826820
## C8.A130.02TCGA -0.7728484 -2.8654048 -0.85812502 0.2963888 -0.8220465
## C8.A138.03TCGA -1.6564006 -3.2911418 -0.01434511 1.0498824 0.8048541
## NP_003003 NP_056054 NP_689549 NP_000305 NP_055939
## A0.A12D.01TCGA -2.6412808 0.5779986 NA -0.1420532 1.6409323
## C8.A131.01TCGA -0.1021372 1.5332066 NA 0.1164483 0.6224334
## A0.A12B.01TCGA -2.5887739 0.1688426 NA 0.4349041 -1.2501520
## BH.A18Q.02TCGA 7.4180201 0.3693005 -1.4037519 0.5666780 -0.1860329
## C8.A130.02TCGA -0.7498894 -0.7039712 -0.7039712 1.1360352 -0.4645408
## C8.A138.03TCGA -3.7482842 -0.9322870 NA 0.7719398 2.5346809
## NP_689619 NP_060667 NP_955459 NP_065177 NP_005772
## A0.A12D.01TCGA 3.30581412 1.2218545 1.6904597 0.1017739 -0.8887737
## C8.A131.01TCGA 1.90965958 1.3429562 0.8734021 -1.2072087 0.6264813
## A0.A12B.01TCGA -0.28845055 -0.6625995 -0.9840905 1.4991501 0.1882430
## BH.A18Q.02TCGA -1.25990046 1.5268026 1.1019391 -0.7346755 -0.2061052
## C8.A130.02TCGA 0.08975708 0.4341433 0.6342153 -0.1988714 0.5161400
## C8.A138.03TCGA 0.16119757 0.7207399 2.8528520 0.2928546 0.7207399
## NP_001010938 NP_694946 NP_000594 NP_003851 NP_003423
## A0.A12D.01TCGA -0.88877366 NA 0.3875087 -2.7327160 -0.61827799
## C8.A131.01TCGA 0.62648132 NA 1.0757961 -1.4986562 0.70743894
## A0.A12B.01TCGA 0.18824296 NA -1.9402490 -1.1836366 0.13835643
## BH.A18Q.02TCGA -0.07898066 1.22906365 -0.1693060 2.4501280 -0.00872764
## C8.A130.02TCGA 0.53581924 0.43742318 0.5095803 0.6079764 -0.07095650
## C8.A138.03TCGA 0.72073986 0.00028345 0.8487397 1.0315967 0.02954056
## NP_001177203 NP_001015052 NP_006806 NP_061901 NP_056151
## A0.A12D.01TCGA 0.6160966 -1.3764278 3.5877392 1.81999283 0.1360620
## C8.A131.01TCGA 0.9867427 -0.4826381 -0.6243139 -0.06570632 -0.2357173
## A0.A12B.01TCGA -0.1554198 0.8118246 -0.4990826 -0.25796433 0.1854715
## BH.A18Q.02TCGA -1.5342218 0.1551961 -0.7915470 -1.17626591 -0.5205711
## C8.A130.02TCGA 1.9560025 1.5066604 -1.5534572 -2.68829185 -1.2025113
## C8.A138.03TCGA -0.1350307 1.1705680 2.5017666 2.64073793 1.9458815
## NP_620162 NP_149014 NP_057044 NP_000982 NP_001129606
## A0.A12D.01TCGA 0.38750872 1.934286778 -1.1173616 1.294241 0.8408747
## C8.A131.01TCGA -0.05761056 1.423913865 -1.2638791 1.545350 1.8651329
## A0.A12B.01TCGA -1.45801252 -1.261237878 0.9836560 -3.015581 -2.6303460
## BH.A18Q.02TCGA 0.88114393 -1.062522927 0.6971479 -4.675535 -3.4310533
## C8.A130.02TCGA 0.10287655 -0.002079251 -0.2611889 2.379106 2.1626342
## C8.A138.03TCGA -1.72222910 1.104739478 0.3001689 1.660625 1.4229106
## NP_004093 NP_001185986 NP_004848 NP_004822 NP_612423
## A0.A12D.01TCGA -2.9460647 0.32655195 -1.2316555 0.04081709 0.006528907
## C8.A131.01TCGA -2.5470573 -0.12642453 -1.3205494 0.24193263 -0.138568173
## A0.A12B.01TCGA -6.0946883 -0.09444738 2.0922455 -0.82888795 -0.346651499
## BH.A18Q.02TCGA -0.5038442 0.13177840 -3.0998605 -0.26966743 0.295702109
## C8.A130.02TCGA -0.9138828 1.22459170 -1.7272903 1.19507289 0.758850326
## C8.A138.03TCGA -2.1098858 0.04416912 0.6841685 -0.55925884 -0.343487632
## NP_112182 NP_543023 NP_001026854 NP_003008 NP_859067
## A0.A12D.01TCGA -2.9651137 0.41798711 0.56275944 0.16273063 -0.1953904
## C8.A131.01TCGA -1.3893634 -0.11428089 -0.08189784 -0.08594572 -1.3731719
## A0.A12B.01TCGA 0.1632997 -0.45196751 0.16884264 0.19101443 2.9929745
## BH.A18Q.02TCGA 1.4197504 0.61016800 -1.50411333 -0.27635819 0.5666780
## C8.A130.02TCGA -0.9663607 0.43742318 0.95564246 1.20491249 0.1159960
## C8.A138.03TCGA -0.9286299 -0.08748789 -0.82988714 -0.20085921 -0.9396013

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|------------|------------|
| ## | | NP_000851 | NP_005185 | NP_059980 | NP_872353 | NP_694942 |
| ## | AO.A12D.01TCGA | -3.628019 | 0.73039056 | 2.6124309 | 1.0999410 | -0.5001742 |
| ## | C8.A131.01TCGA | 2.193011 | 1.94204262 | 0.9422160 | 1.5089194 | 0.9057851 |
| ## | AO.A12B.01TCGA | -3.325986 | -1.75178875 | -0.3327941 | -0.0390179 | -2.1425666 |
| ## | BH.A18Q.02TCGA | -2.778704 | 1.82788700 | 0.1384692 | 0.9681239 | -1.1662298 |
| ## | C8.A130.02TCGA | -2.527578 | -0.99915939 | -0.9335620 | -0.1398337 | -0.7269303 |
| ## | C8.A138.03TCGA | -2.493885 | -0.02531652 | 0.2599403 | 0.6512542 | 1.0827966 |
| ## | | NP_001001890 | NP_001019801 | NP_001026850 | NP_055053 | NP_004130 |
| ## | AO.A12D.01TCGA | 1.69807929 | 0.2960736 | 0.7189612 | -3.1327448 | 3.0467478 |
| ## | C8.A131.01TCGA | 1.05960458 | 1.5332066 | 1.5332066 | -1.1545863 | 2.4561235 |
| ## | AO.A12B.01TCGA | -0.54619762 | -0.2524214 | -2.0788227 | 0.1743856 | -1.6575586 |
| ## | BH.A18Q.02TCGA | 1.03168612 | -0.4436273 | -0.2997759 | -0.7681293 | -0.3800650 |
| ## | C8.A130.02TCGA | 0.40790436 | 0.5128602 | -1.1270743 | -0.8351659 | 0.3127882 |
| ## | C8.A138.03TCGA | -0.04360222 | 1.0059967 | 1.1742251 | -2.8193708 | -3.1887419 |
| ## | | NP_001108225 | NP_001231319 | NP_078838 | NP_003148 | NP_055565 |
| ## | AO.A12D.01TCGA | 1.22185452 | 0.41798711 | 0.0141485 | 0.2046384 | 0.5094223 |
| ## | C8.A131.01TCGA | 2.16872396 | -0.66479269 | 0.8288754 | 0.6102898 | 2.3711180 |
| ## | AO.A12B.01TCGA | -0.87323153 | 0.03026895 | -0.4935396 | 1.8511273 | -0.3023079 |
| ## | BH.A18Q.02TCGA | -0.63765943 | -0.05890837 | 1.1922644 | 0.1485053 | 0.2287945 |
| ## | C8.A130.02TCGA | -0.06767663 | -0.57605630 | -0.5334180 | 1.6247357 | 1.1589943 |
| ## | C8.A138.03TCGA | 0.34039739 | 1.48142481 | 0.6073686 | 1.3863392 | 0.9365111 |
| ## | | NP_060009 | NP_443167 | NP_000651 | NP_003229 | NP_001981 |
| ## | AO.A12D.01TCGA | 1.8885692 | -2.9193961 | 0.7646787 | 1.0427940 | -0.3896901 |
| ## | C8.A131.01TCGA | -1.7779599 | -3.2351971 | 0.1407356 | 0.3026508 | -0.5312126 |
| ## | AO.A12B.01TCGA | -1.7711891 | -0.4048524 | -0.9951764 | -2.0261647 | 0.1494423 |
| ## | BH.A18Q.02TCGA | -3.9663144 | -0.7279847 | -0.8618000 | 0.6302403 | 0.3191198 |
| ## | C8.A130.02TCGA | -0.0184786 | 0.3619862 | -0.1496734 | -0.7367699 | 0.8736457 |
| ## | C8.A138.03TCGA | 3.4453085 | -1.2212010 | -0.6250873 | -0.7713729 | -0.2740020 |
| ## | | NP_002686 | NP_001005498 | NP_078875 | NP_005608 | NP_115813 |
| ## | AO.A12D.01TCGA | -0.5916094 | 0.93992946 | 0.93992946 | 0.6084770 | -0.2753962 |
| ## | C8.A131.01TCGA | -0.1628555 | 2.09990998 | 2.09990998 | 1.1000834 | -0.3328665 |
| ## | AO.A12B.01TCGA | 0.2381295 | -1.92916308 | -1.92916308 | 0.2436724 | 0.8339964 |
| ## | BH.A18Q.02TCGA | -0.2127959 | -2.58132629 | -2.58132629 | 0.3023929 | -2.2902781 |
| ## | C8.A130.02TCGA | 0.7260516 | 0.05367852 | 0.05367852 | 0.9982808 | -0.3071071 |
| ## | C8.A138.03TCGA | -0.4276018 | -1.48085791 | -1.48085791 | -0.6324016 | 0.3403974 |
| ## | | NP_001003681 | NP_000262 | NP_004335 | NP_004057 | NP_085153 |
| ## | AO.A12D.01TCGA | -0.5649408 | 0.7418200 | -2.3174480 | -3.6927851 | 0.3036932 |
| ## | C8.A131.01TCGA | 0.4524224 | 1.6991698 | -0.8793304 | -0.2438131 | 0.8329233 |
| ## | AO.A12B.01TCGA | -0.3411086 | -0.5849983 | 0.2076433 | -1.9956785 | -2.2728258 |
| ## | BH.A18Q.02TCGA | 0.4027543 | -0.1759967 | -0.6476956 | -3.3875633 | -1.2331374 |
| ## | C8.A130.02TCGA | 0.5784575 | -1.5042592 | 0.6801335 | 1.9100843 | 0.8113282 |
| ## | C8.A138.03TCGA | 0.1465690 | -0.5226875 | 1.7118246 | 3.3063373 | 1.0206253 |
| ## | | NP_002014 | NP_004375 | NP_001257502 | NP_071331 | NP_001310 |
| ## | AO.A12D.01TCGA | 0.1093935 | 1.0618430 | 0.8218257 | 0.82182571 | 1.0618430 |
| ## | C8.A131.01TCGA | 1.1243707 | 1.0029342 | 1.9177553 | 0.08811316 | 1.0029342 |
| ## | AO.A12B.01TCGA | -1.4302978 | 0.3295881 | 0.6427647 | 0.01641158 | 0.3295881 |
| ## | BH.A18Q.02TCGA | -0.9019446 | 0.1183969 | 0.1183969 | 0.10501534 | 0.2120676 |
| ## | C8.A130.02TCGA | -0.3464655 | -0.2808681 | 0.5423790 | 0.20455249 | 0.1323954 |
| ## | C8.A138.03TCGA | -2.1976572 | 1.8727387 | 1.9093101 | 2.02268141 | 1.8325102 |
| ## | | NP_079091 | NP_775965 | NP_003874 | NP_006834 | NP_116253 |
| ## | AO.A12D.01TCGA | -0.30206474 | 1.43520322 | 0.7875375 | -1.7574076 | -0.4392175 |
| ## | C8.A131.01TCGA | -0.08189784 | 1.70321765 | -0.3854889 | -0.5919308 | -0.1466639 |
| ## | AO.A12B.01TCGA | 1.95921477 | 1.21091682 | 0.2353580 | -1.3665539 | -0.3189368 |
| ## | BH.A18Q.02TCGA | -0.56406103 | 1.28928052 | 1.2959713 | -1.9657760 | 0.7573648 |

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## C8.A130.02TCGA -0.04471755 0.01759996 0.8146081 1.7657701 0.2701499
## C8.A138.03TCGA -0.70920155 -5.99011050 0.6256542 -0.9066871 -0.1313736
## NP_006261 NP_036382 NP_076998 NP_065945 NP_001250
## A0.A12D.01TCGA 1.3742464 1.9419064 -0.65637597 NA 0.570379035
## C8.A131.01TCGA 0.8207796 1.5696376 -0.98052741 NA 0.982694844
## A0.A12B.01TCGA -1.7684176 -1.3720968 1.21091682 NA 0.875568480
## BH.A18Q.02TCGA -1.4940772 -0.2562859 0.33919207 -1.64127399 1.851304674
## C8.A130.02TCGA -1.7174507 0.3357472 0.21767196 -0.05455715 -0.077516235
## C8.A138.03TCGA 0.7499970 -0.5336589 -0.04725936 -1.57594353 0.003940589
## NP_009152 NP_001186583 NP_002344 NP_116321 NP_055515
## A0.A12D.01TCGA -0.7859091 -0.785909111 0.9551686 1.7285577 -3.4641972
## C8.A131.01TCGA 0.2297890 0.148831373 1.6951219 1.3348605 -4.6438596
## A0.A12B.01TCGA 0.6095070 0.609506988 -1.2972670 -0.7956303 -2.4003136
## BH.A18Q.02TCGA 0.3860274 0.004653887 -1.9089045 -3.5247240 -0.2462498
## C8.A130.02TCGA 0.5718978 0.493180948 -3.8920037 1.5689779 0.1553545
## C8.A138.03TCGA 0.3001689 0.406225897 1.9824529 -0.1130879 1.4009677
## NP_714913 NP_060818 NP_005898 NP_003493 NP_219484
## A0.A12D.01TCGA 6.1707823 -0.03156908 0.5132321 0.8751629 0.3189324
## C8.A131.01TCGA 0.8086360 0.65076861 -0.8024206 1.0434131 0.1569271
## A0.A12B.01TCGA -0.7984017 -1.07832060 0.3739317 -0.5905412 -1.0034908
## BH.A18Q.02TCGA -2.2032981 -0.55067950 -1.4372057 -1.9323222 0.1117061
## C8.A130.02TCGA -1.6518533 0.05367852 -1.8060071 0.3882251 1.3328274
## C8.A138.03TCGA 0.6622256 -0.34348763 -1.4954865 2.2969668 -1.7039434
## NP_699179 NP_056136 NP_115568 XP_003846564 NP_061967
## A0.A12D.01TCGA 0.8370649 0.2922638 6.8717852 1.8161830 1.4313934
## C8.A131.01TCGA 0.1285920 -0.3895368 1.2943817 -0.6162181 -0.8712346
## A0.A12B.01TCGA 0.1411279 1.7430398 -0.4685963 -2.4502002 -2.4502002
## BH.A18Q.02TCGA 0.8175817 -0.3131574 -0.9922699 -1.3301535 -1.0993221
## C8.A130.02TCGA -0.3235064 1.2901891 -1.4517813 2.2839893 2.2839893
## C8.A138.03TCGA -0.8445157 -0.8664585 3.5440513 2.0117100 1.3424535
## NP_060629 NP_054758 NP_001009880 NP_056442 NP_000147
## A0.A12D.01TCGA 1.968575 0.45227529 0.4522753 2.048580723 -2.6222318
## C8.A131.01TCGA -1.312454 -1.29626212 -0.5554999 0.080017397 -1.0007668
## A0.A12B.01TCGA -2.799406 2.73799892 2.4359083 -0.000217265 4.0461346
## BH.A18Q.02TCGA -1.601129 0.02472618 0.3358467 -1.196338201 -2.1129728
## C8.A130.02TCGA 2.539819 -0.17263243 0.2635901 -0.556377089 -0.8286062
## C8.A138.03TCGA 2.999138 -0.15331639 -0.1277164 -0.848172837 -0.4458875
## NP_064708 NP_060670 NP_076425 NP_005473 NP_001166038
## A0.A12D.01TCGA 0.9627882 1.13803896 0.5399006 2.1323963 0.7684885
## C8.A131.01TCGA 0.4605182 0.11644833 -0.2114300 0.7803008 0.6629123
## A0.A12B.01TCGA 0.2963304 0.75085216 1.0113707 -0.6625995 -0.8787745
## BH.A18Q.02TCGA 0.7540194 0.01134465 0.8409994 0.3659551 0.3325013
## C8.A130.02TCGA 1.1524346 0.86380613 1.5263396 -0.3563051 0.1192759
## C8.A138.03TCGA 1.7374246 -0.46783036 -0.2813163 0.9950253 0.4427973
## NP_001136 NP_694968 NP_000597 NP_057487 NP_690000
## A0.A12D.01TCGA 0.9513589 -0.05061807 0.99326663 0.2960736 0.0293877
## C8.A131.01TCGA -2.3203760 0.56576311 0.36741694 0.1609750 0.4159915
## A0.A12B.01TCGA -1.1642363 -1.39426862 -1.72407402 0.1937859 -0.5351117
## BH.A18Q.02TCGA -0.7447116 2.72444934 -0.02545455 0.2488668 -0.8049285
## C8.A130.02TCGA 2.8874852 -1.52721827 0.80804836 0.8474068 0.2143921
## C8.A138.03TCGA -0.4641732 -0.08748789 -2.43902837 0.3513688 0.6841685
## NP_001025067 NP_954655 NP_001135 NP_076990 NP_037359
## A0.A12D.01TCGA -0.42778808 -1.6697823 1.1875663 0.8827825 -1.867891790
## C8.A131.01TCGA -0.24786096 4.1117068 0.5414758 0.5293322 -0.915761312

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```

## A0.A12B.01TCGA 0.22704359 -0.6431992 -3.0626959 -1.0034908 -1.663101590
## BH.A18Q.02TCGA -0.40682808 -1.9423584 -0.9822338 -2.1129728 -1.269936602
## C8.A130.02TCGA -0.05127728 -0.4809401 -0.2710285 -1.2648288 -0.008638989
## C8.A138.03TCGA 0.34039739 -1.8356004 0.7829112 0.2416546 -0.976172708
## NP_001271 NP_001264003 NP_653317 NP_078832 NP_079353
## A0.A12D.01TCGA -3.064168414 -1.0335460 -1.0335460 0.3913185 -0.06585726
## C8.A131.01TCGA -3.263532250 -1.5229435 -1.5229435 1.2377113 0.31884237
## A0.A12B.01TCGA 2.097788460 0.3683888 0.3683888 -0.6903143 -0.39930950
## BH.A18Q.02TCGA -0.814964669 -0.5941695 -0.5941695 0.2823206 -0.27301281
## C8.A130.02TCGA 0.007760356 0.8506867 0.8506867 -0.7334900 1.02451970
## C8.A138.03TCGA 0.548854324 0.7938826 0.7938826 -0.5300017 -1.16634394
## NP_115736 NP_001747 NP_001928 NP_036613 NP_777553
## A0.A12D.01TCGA -0.73257194 -1.6735921 -2.5612751 -0.1725316 -0.2334884
## C8.A131.01TCGA 0.93412027 -0.2964355 -2.5672967 -0.7214630 -0.2033343
## A0.A12B.01TCGA 0.34898844 -0.7956303 -3.4202160 -4.6978655 1.8982423
## BH.A18Q.02TCGA -0.05556299 0.1284330 0.2087222 0.5566419 0.2388306
## C8.A130.02TCGA 1.16227420 -1.1500334 1.6706539 -0.8810841 0.8342873
## C8.A138.03TCGA -0.08383075 -1.7990290 -1.7405148 0.3184546 1.1083966
## NP_001136271 NP_006768 NP_001177809 NP_056286 NP_006847
## A0.A12D.01TCGA -0.233488377 0.52466146 -0.9763990 -0.36683131 -0.02394948
## C8.A131.01TCGA -0.235717316 -0.50287746 0.6386250 -0.09808936 -0.13856817
## A0.A12B.01TCGA 1.898242341 -0.39099508 1.4742068 0.25475833 0.49587656
## BH.A18Q.02TCGA 0.007999269 0.38937280 0.3626097 0.42951738 -0.47373572
## C8.A130.02TCGA 0.899884687 -0.37270443 -0.2087110 0.64733478 1.09339695
## C8.A138.03TCGA 1.090110921 0.08074051 -1.3089724 0.84873974 0.30016886
## NP_001871 NP_001243020 NP_037392 NP_002487 NP_060510
## A0.A12D.01TCGA -0.09633564 -0.2258688 -1.258324084 -1.2087967 -0.1191944
## C8.A131.01TCGA 0.13668773 0.1812144 -0.065706317 -0.5474041 0.1974059
## A0.A12B.01TCGA 1.00305628 0.3379025 -0.000217265 0.1078702 -0.3743662
## BH.A18Q.02TCGA -1.03241449 -0.9454346 0.402754328 0.6536580 -1.4572780
## C8.A130.02TCGA 2.20855237 2.2708699 0.430863440 0.2734297 0.5653381
## C8.A138.03TCGA 0.58176858 0.5817686 -0.884744229 -0.6799444 2.5822237
## NP_056481 NP_002415 NP_055383 NP_001020330 NP_004346
## A0.A12D.01TCGA -0.6449466 -1.1859379 0.12463265 4.4639928 4.6582925
## C8.A131.01TCGA -1.0776765 7.0949950 0.29050720 0.5495716 0.3593212
## A0.A12B.01TCGA 0.2713872 -0.7152575 2.07838814 -2.1896816 -2.6608322
## BH.A18Q.02TCGA -0.9387438 -1.8419969 -3.09651510 2.1122445 2.6173971
## C8.A130.02TCGA 2.9268436 -3.1769923 0.08319734 -0.5432576 -0.5924556
## C8.A138.03TCGA 2.2823383 -3.2801704 -0.17891637 1.0645109 0.9730825
## NP_001182237 NP_001128658 NP_057512 NP_061919 NP_115514
## A0.A12D.01TCGA 0.26559518 -0.01252008 -0.01252008 0.03319749 -1.0754538
## C8.A131.01TCGA -0.16285546 0.53742794 0.67910377 -0.30048341 0.2662199
## A0.A12B.01TCGA 0.05521221 -0.75960111 -0.87877448 1.28574661 0.8533967
## BH.A18Q.02TCGA -0.08232604 2.11558984 1.92155769 -0.03883608 -0.3767196
## C8.A130.02TCGA 0.85724639 -0.31038692 -0.33006614 1.04091905 -1.3927437
## C8.A138.03TCGA 0.65491136 -1.10782972 -0.86280139 -0.78600147 0.6622256
## NP_690867 NP_001164606 NP_005359 NP_003401 NP_003402
## A0.A12D.01TCGA -1.075453772 -1.8678918 -0.03918867 0.3189324 0.7532493
## C8.A131.01TCGA 0.031442826 0.0800174 -0.92790495 -2.3810942 -3.3080589
## A0.A12B.01TCGA 0.631678779 0.2048718 1.71532507 -0.8233450 -1.1808651
## BH.A18Q.02TCGA -0.376719645 0.4863889 1.15546525 -2.5445271 -5.1673065
## C8.A130.02TCGA -1.392743650 1.1622742 -0.34974535 1.1688339 1.7854493
## C8.A138.03TCGA 0.003940589 -1.2870295 3.92439377 2.0738814 2.9077091
## NP_068838 NP_057134 NP_001116 NP_003007 NP_054783

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```

## A0.A12D.01TCGA 1.705699 -0.1763414 -0.1230042 0.002719109 0.09796406
## C8.A131.01TCGA -1.482465 -1.2476875 -0.0899936 0.598146156 0.40384787
## A0.A12B.01TCGA -1.970735 2.2696198 -0.1775916 0.080155478 -0.43256719
## BH.A18Q.02TCGA -3.504652 0.9079070 1.8713770 -0.821655433 -1.03241449
## C8.A130.02TCGA 1.998641 0.4243037 -0.6842920 0.814608097 -2.01263887
## C8.A138.03TCGA 2.011710 -0.4714875 -1.4296580 -0.555601704 -0.87377281
## NP_079111 NP_000146 NP_003269 NP_110439 NP_000952
## A0.A12D.01TCGA 0.2960736 0.5208517 1.2485231 0.7799179 2.3647940
## C8.A131.01TCGA 0.7924444 0.3066987 0.3998000 -3.4861657 0.2176453
## A0.A12B.01TCGA -0.2635073 -2.0150788 -2.0039929 -4.1130845 -1.9596493
## BH.A18Q.02TCGA -1.7182178 2.1155898 0.6871118 -4.6454269 0.9012162
## C8.A130.02TCGA -0.6678926 -0.8384458 0.6801335 3.3040286 0.1619142
## C8.A138.03TCGA 0.4574258 -0.1204021 -0.6580016 -4.1725123 -2.3146856
## NP_115742 NP_001035250 NP_036271 NP_056453 NP_001185619
## A0.A12D.01TCGA 0.17796982 0.61609661 0.08653467 -0.46969586 0.3989381
## C8.A131.01TCGA -0.07380208 -0.07380208 -1.04124562 0.03144283 2.6747091
## A0.A12B.01TCGA 2.42482238 2.12550320 1.88161350 -2.23125374 -2.5111726
## BH.A18Q.02TCGA -1.14281209 -1.49073181 0.22879447 0.44289891 -1.0424506
## C8.A130.02TCGA 1.40498449 1.71329217 -0.39894338 -0.63181407 2.0215998
## C8.A138.03TCGA -0.07651647 1.10839662 -0.03263080 -0.42760183 -1.3126295
## NP_060605 NP_061984 XP_003846515 XP_003120317 NP_060611
## A0.A12D.01TCGA 0.6656240 1.252333 1.8161830 1.35900726 0.5437104
## C8.A131.01TCGA -1.4703210 1.160802 1.4198660 0.25002840 -0.5959787
## A0.A12B.01TCGA 1.9481289 -3.165240 -2.9546084 -2.41417101 0.9781130
## BH.A18Q.02TCGA -0.7514024 4.745060 2.9954253 3.66784702 0.9848508
## C8.A130.02TCGA -0.0283182 1.145875 0.2799895 -0.01519873 1.2639501
## C8.A138.03TCGA 0.2818832 1.115711 3.2405088 1.63868180 -0.2410877
## NP_057026 NP_066285 NP_005645 NP_001138627 NP_066300
## A0.A12D.01TCGA 0.1589208 -1.4602434 -0.7020936 -0.7020936 0.6770534
## C8.A131.01TCGA -1.0210062 -1.8224866 -0.8550431 -0.8550431 2.0472875
## A0.A12B.01TCGA 0.3185022 -3.6447054 -3.0405241 -2.1093089 0.0247260
## BH.A18Q.02TCGA 1.3361159 -1.4740049 -1.3769888 -3.3173103 0.3726459
## C8.A130.02TCGA 0.5161400 0.5063004 -0.3071071 0.1323954 0.3029486
## C8.A138.03TCGA -1.0054298 -0.1606307 -0.1789164 -0.1716021 0.3842831
## NP_005743 NP_001231684 NP_056369 NP_006805 NP_057279
## A0.A12D.01TCGA -10.523753 -10.291356 -0.05442786 -0.3325431 2.1895433
## C8.A131.01TCGA -12.970351 -12.091961 -0.32881858 0.6548165 0.8450669
## A0.A12B.01TCGA -7.336309 -8.059663 0.77025247 0.3212737 1.3494905
## BH.A18Q.02TCGA -10.794239 -10.563407 -2.46758331 -0.2228321 -0.4436273
## C8.A130.02TCGA -10.582936 -10.445182 -1.23203008 -1.3993034 0.8506867
## C8.A138.03TCGA -7.182338 -5.858453 NA 0.4939972 1.4850820
## NP_001230707 NP_001159715 NP_001299 NP_631918 NP_115735
## A0.A12D.01TCGA -0.65637597 0.08272487 0.4256067 0.2884540 -1.3040417
## C8.A131.01TCGA 0.17716654 -0.93600072 1.7517922 0.9907906 -2.0491680
## A0.A12B.01TCGA -0.07781853 2.44699417 -1.4607840 0.1161846 -1.8072182
## BH.A18Q.02TCGA 0.12508763 -1.68141857 -0.9655069 -1.6044748 1.3227343
## C8.A130.02TCGA 0.09303695 0.71949190 1.1425950 -1.8224065 0.6801335
## C8.A138.03TCGA -2.65114245 -2.40245698 -1.6308006 0.8414255 -1.3309152
## NP_073582 NP_734467 NP_996898 NP_000972 NP_076962
## A0.A12D.01TCGA -0.3592117 -1.3040417 2.08286891 0.4675145 -0.4773155
## C8.A131.01TCGA -1.0898202 -2.6765895 -0.74979819 0.8005402 -0.6405054
## A0.A12B.01TCGA 3.1620344 0.7841098 -1.45524105 -1.9457919 -0.4879967
## BH.A18Q.02TCGA -0.3901012 -0.7079124 -10.68384116 -2.0828644 0.8644170
## C8.A130.02TCGA -1.2648288 1.8346473 0.02743957 2.3463069 0.1028766

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## C8.A138.03TCGA -0.8372014 0.9474825 1.15593943 0.9072540 -0.2228020
## NP_003205 NP_068780 NP_001243589 NP_003204 NP_003246
## A0.A12D.01TCGA 0.86754329 1.5875951 1.2256643 1.5875951 0.01033871
## C8.A131.01TCGA 0.02739495 0.5414758 0.2824114 0.5414758 -0.28833977
## A0.A12B.01TCGA -1.63261538 -2.3310268 -2.2229393 -2.3310268 1.08897197
## BH.A18Q.02TCGA 1.54687493 0.8042002 0.8042002 0.5566419 -0.43693652
## C8.A130.02TCGA 1.00156062 -0.1267143 1.4869812 1.4869812 0.24719078
## C8.A138.03TCGA 1.66062463 -0.1313736 0.3769688 0.8853111 0.51228293
## NP_004660 NP_001036065 NP_057329 NP_004522 NP_001510
## A0.A12D.01TCGA 5.8393299 -0.23348838 -0.31349414 -0.4049293 NA
## C8.A131.01TCGA 3.0025874 0.45647032 5.72681129 -1.7253375 NA
## A0.A12B.01TCGA 0.9670271 1.63495232 -2.39199922 0.6205929 NA
## BH.A18Q.02TCGA 0.0949792 3.05564214 0.01134465 -0.7514024 -1.463969
## C8.A130.02TCGA -1.2451496 -0.40222325 -1.15987296 -2.0979155 1.195073
## C8.A138.03TCGA 2.3042811 0.02222628 0.13559760 -1.3857723 2.410338
## NP_001488 NP_004767 NP_001027 NP_004857 NP_001493
## A0.A12D.01TCGA 0.98564703 2.4828977 -0.7744797 1.5190188 -5.4872000
## C8.A131.01TCGA -0.36524950 -2.2232269 0.3957521 -0.4300156 -4.7895834
## A0.A12B.01TCGA 2.80174282 6.7039780 0.5762493 -0.2939935 -0.9452899
## BH.A18Q.02TCGA 1.61378256 1.4565496 -0.4068281 -0.8316916 -7.1511179
## C8.A130.02TCGA -2.02903821 -0.7630088 -0.1070351 -0.9729204 -5.9943997
## C8.A138.03TCGA 0.05879768 -2.6474853 0.1831404 1.6496532 5.4786779
## NP_073576 NP_001186776 NP_065162 NP_057185 NP_006560
## A0.A12D.01TCGA -0.4925547 NA NA -1.14403014 1.49235019
## C8.A131.01TCGA 0.9422160 NA NA -1.77391207 2.07562269
## A0.A12B.01TCGA 0.8478537 NA NA -1.28063820 1.26911777
## BH.A18Q.02TCGA -0.9119807 -5.6557322 -5.6557322 0.06487076 -1.77508926
## C8.A130.02TCGA -0.4579810 -0.1955915 -0.1955915 1.11307616 -1.15331322
## C8.A138.03TCGA 0.2160547 0.2087404 0.2160547 -0.74577294 -0.01800225
## NP_001159713 NP_006321 NP_001266289 NP_001266288 NP_065969
## A0.A12D.01TCGA -1.029736 -0.6449466 -0.9306814 -0.8849639 -0.48112526
## C8.A131.01TCGA -2.741356 -1.5634223 -1.5350871 -1.5431829 0.02334706
## A0.A12B.01TCGA 1.241403 0.4931051 0.6427647 0.6455361 0.24644391
## BH.A18Q.02TCGA -0.677804 -1.0056514 -1.7282539 -1.7282539 -0.10239833
## C8.A130.02TCGA -2.366865 0.1750337 0.2668700 0.2668700 0.26031026
## C8.A138.03TCGA -1.682001 0.7609684 0.6585685 0.6585685 -1.03834407
## NP_060897 NP_003093 NP_000366 NP_057474 NP_775811
## A0.A12D.01TCGA -2.21458342 -2.85843931 -0.6487564 -0.23348838 -1.38023762
## C8.A131.01TCGA -1.82248664 5.26130498 1.0393652 0.03549071 0.41599151
## A0.A12B.01TCGA -0.32725118 -1.11434976 -0.3161653 -0.13601948 -0.99794786
## BH.A18Q.02TCGA -1.29335427 0.09832458 -0.9019446 -1.67472781 0.53991499
## C8.A130.02TCGA -0.37926417 -0.69413158 1.5952169 -0.46782063 -0.09391558
## C8.A138.03TCGA -0.06554506 -1.87582894 0.1465690 -1.67834343 0.20142610
## NP_919258 NP_001108479 NP_116575 NP_116231 NP_005315
## A0.A12D.01TCGA -1.08688317 -1.296422066 NA 1.7133185 -1.5745373
## C8.A131.01TCGA -0.03737115 -0.009035984 NA 0.5414758 1.5372545
## A0.A12B.01TCGA -1.24183756 -0.665370995 NA -2.4585146 0.7979672
## BH.A18Q.02TCGA -0.46035419 -0.299775862 -1.4505872 0.6101680 -0.7547478
## C8.A130.02TCGA 0.09631682 0.207832357 2.5890172 -0.2021513 1.1360352
## C8.A138.03TCGA -0.38737330 -0.881087089 -0.3581162 0.6110257 -1.5832578
## NP_003520 NP_066403 NP_001013721 NP_000036 NP_004242
## A0.A12D.01TCGA -1.3611886 -1.3611886 -0.2563472 -1.2621339 0.6351456
## C8.A131.01TCGA 2.4237405 1.4603448 1.3550999 6.9937980 -0.1061851
## A0.A12B.01TCGA 0.7730239 0.8589396 1.1388585 -0.7069431 -1.6963593

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## BH.A18Q.02TCGA -0.6510410 -0.8116193 -1.4639688 -5.7293306 -0.2462498
## C8.A130.02TCGA 1.1196359 1.1294755 0.9359632 -3.6591330 -1.2418697
## C8.A138.03TCGA -1.2102296 -1.4662294 -1.2102296 0.9401682 0.8085112
## NP_055643 NP_001073899 NP_055544 NP_001092268 NP_002417
## AO.A12D.01TCGA 0.383698925 2.0676297 2.1057277 -0.27158636 NA
## C8.A131.01TCGA -0.308579172 -0.3085792 -1.4015070 -0.30857917 NA
## AO.A12B.01TCGA -0.155419802 -0.4491960 -0.2579643 -0.25519286 NA
## BH.A18Q.02TCGA 0.001308505 -0.5339526 -0.5339526 -0.65773172 -4.3644148
## C8.A130.02TCGA 0.594856883 0.3718258 0.4702219 -0.09719545 -1.7994474
## C8.A138.03TCGA 1.214453653 2.0555957 3.5294227 1.19982510 -0.6580016
## NP_001026 NP_000531 NP_005792 NP_005866 NP_653244
## AO.A12D.01TCGA 0.3494107 1.69426949 -0.8506757 -0.7135229 -0.71352295
## C8.A131.01TCGA 0.9948385 -0.06165844 -0.6324096 -0.6931279 -1.29221424
## AO.A12B.01TCGA 0.2436724 0.63999320 0.2769301 0.2547583 -2.76060524
## BH.A18Q.02TCGA -0.9721976 1.03503150 -0.4335911 -0.5205711 -0.27970357
## C8.A130.02TCGA -0.2316701 0.19143301 0.8375672 0.7621302 -0.06439676
## C8.A138.03TCGA -0.7933157 0.50862579 -0.8591443 -0.4166304 -0.52634459
## NP_004283 NP_001361 NP_112242 NP_036357 NP_057033
## AO.A12D.01TCGA -1.00306761 -0.19158060 -0.6449466 -1.0983126 0.01795830
## C8.A131.01TCGA 0.70743894 -0.02927539 -0.3004834 -0.1021372 -0.13047241
## AO.A12B.01TCGA 0.67879384 0.83953932 -0.7596011 1.9120997 0.05521221
## BH.A18Q.02TCGA 0.01469003 -2.67499698 -0.2863943 -0.7514024 0.14181454
## C8.A130.02TCGA -1.76336883 -1.09755545 0.8244477 0.6899731 0.10943629
## C8.A138.03TCGA 2.87113769 1.29491071 0.1502262 0.2526261 1.58748185
## NP_006690 NP_055671 NP_001374 NP_067052 NP_060786
## AO.A12D.01TCGA 0.4903733 0.46370469 -0.83924629 0.6465750 0.3913185
## C8.A131.01TCGA -1.8913006 0.11240044 -0.66884058 -0.2357173 0.9341203
## AO.A12B.01TCGA -0.4796822 -1.53007084 0.06629811 2.7573992 1.7624401
## BH.A18Q.02TCGA 0.7640556 0.85438088 -0.55402488 -0.9420892 -2.1798805
## C8.A130.02TCGA -0.5694966 -0.64821342 0.57845754 1.1196359 1.0310794
## C8.A138.03TCGA 0.2160547 0.09171193 -3.52885584 -1.9270289 0.3147974
## NP_001185787 XP_003119309 NP_072049 NP_002115 NP_001230894
## AO.A12D.01TCGA 0.3379813 1.4313934 1.412344 2.0562003 1.412344
## C8.A131.01TCGA 0.1083526 0.5414758 0.739822 1.2943817 0.739822
## AO.A12B.01TCGA -0.3023079 -1.5411567 -2.367056 -2.7412049 -3.503360
## BH.A18Q.02TCGA NA 3.4336703 3.370108 5.5144978 4.724988
## C8.A130.02TCGA NA -0.7564491 -1.041798 -0.8679646 -1.202511
## C8.A138.03TCGA 3.3575372 -5.5622252 -7.463938 -2.4938855 -2.965656
## XP_003846510 NP_002116 NP_001230890 NP_002112 NP_001230891
## AO.A12D.01TCGA 3.0619870 2.8791167 5.1154682 1.39710524 1.32471907
## C8.A131.01TCGA 1.2093762 0.2338369 2.4035011 -0.57169143 0.97864696
## AO.A12B.01TCGA -2.7079472 -2.2617399 -2.0427935 -1.70467370 -1.15037892
## BH.A18Q.02TCGA 4.0291483 4.6547347 5.2502126 5.65500385 2.48023646
## C8.A130.02TCGA 0.1848733 -0.4055031 0.1127162 -1.33698588 0.08975708
## C8.A138.03TCGA -5.7487393 -3.4374274 0.7243970 -0.08017361 1.05719667
## NP_079225 NP_060911 NP_001093136 NP_078852 NP_006705
## AO.A12D.01TCGA 2.9972205 -0.8392463 -0.4735057 -0.63732698 0.2351168
## C8.A131.01TCGA 1.5170151 -0.6486012 -0.9845753 -0.08189784 0.5252843
## AO.A12B.01TCGA -1.0894065 -0.4741393 0.9531697 -0.04733232 4.0461346
## BH.A18Q.02TCGA -6.5389130 0.1585415 -0.8450731 3.67788317 -0.3131574
## C8.A130.02TCGA 0.3095083 -1.2451496 -0.6547732 -0.45142129 -2.2389498
## C8.A138.03TCGA 0.7243970 1.4558248 -0.3105734 -0.06920219 -1.7807433
## NP_060832 NP_004655 NP_071448 NP_002529 NP_001001795
## AO.A12D.01TCGA 1.30186028 1.4199640 1.5075894 1.1456586 -0.2106296

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## C8.A131.01TCGA 1.08389187 1.5817812 1.9663299 -1.4055549 -1.7496248
## A0.A12B.01TCGA 0.44599003 0.1438994 -0.4464246 1.4686639 3.0206893
## BH.A18Q.02TCGA -0.46704495 -0.6543863 -0.7580932 0.7306018 0.7105295
## C8.A130.02TCGA -0.47766024 -0.9335620 -0.9335620 -1.9568811 -1.3796242
## C8.A138.03TCGA 0.04782626 0.7024542 0.2891974 3.0722803 0.5269115
## NP_689880 NP_002680 NP_075046 NP_001154 NP_005494
## A0.A12D.01TCGA -0.2258688 -0.6068486 -0.9878284 3.6829841 0.3379813
## C8.A131.01TCGA 0.2297890 -0.9683838 0.1043047 0.8531627 0.8167317
## A0.A12B.01TCGA 1.0085992 -3.6391625 -0.3327941 -1.6963593 -0.6625995
## BH.A18Q.02TCGA 0.1050153 0.2354852 -0.2897397 1.5769834 0.5298788
## C8.A130.02TCGA -0.8450055 0.5784575 0.6145361 -0.7072511 -0.6186946
## C8.A138.03TCGA -1.4918293 -0.1021164 -0.7530872 0.8011969 3.5440513
## NP_065995 NP_065912 NP_005756 NP_940983 NP_009027
## A0.A12D.01TCGA -0.06966706 -0.008710286 0.3456009 -1.3459494 -0.87353447
## C8.A131.01TCGA 1.62630791 0.177166539 0.5090928 0.6507686 0.49290125
## A0.A12B.01TCGA 0.33513107 0.590106671 -0.2108493 -0.4575105 -1.72407402
## BH.A18Q.02TCGA -0.16596059 0.205376799 -0.4737357 -0.2061052 -0.92536227
## C8.A130.02TCGA -0.06111689 0.680133473 -0.2743084 0.4079044 0.03071944
## C8.A138.03TCGA 0.05879768 -0.222802040 0.1575404 1.1632537 1.63868180
## NP_001824 NP_113611 NP_057253 NP_057692 NP_055148
## A0.A12D.01TCGA -0.75543073 1.2332839 -0.4163587 -2.6222318 -0.1839610
## C8.A131.01TCGA 0.53742794 0.4848055 -0.2883398 -2.3729984 -0.4219198
## A0.A12B.01TCGA -1.49681316 1.1416300 0.2104148 -0.3078509 -1.0949494
## BH.A18Q.02TCGA -0.83838234 -2.0360290 -1.1461575 -1.0056514 -0.6945309
## C8.A130.02TCGA -0.03487794 0.6243757 0.9425230 -0.9499614 -1.5731364
## C8.A138.03TCGA 1.61308182 -0.6909159 0.6658828 -0.7750301 1.3973106
## NP_001020272 NP_002376 NP_055135 NP_004461 NP_004467
## A0.A12D.01TCGA 0.45608509 -0.7744797 -0.3477823 0.04081709 NA
## C8.A131.01TCGA -0.41787196 -6.0322828 0.3876563 -1.07767655 NA
## A0.A12B.01TCGA -1.91530571 -4.7449805 0.3988750 3.21192096 NA
## BH.A18Q.02TCGA -0.58413332 -0.8751815 2.1155898 -0.35664735 1.426441
## C8.A130.02TCGA -0.99915939 -1.2418697 -0.4907797 -0.37270443 -1.697771
## C8.A138.03TCGA 0.08805479 NA -0.4056590 -1.19925820 -1.415029
## NP_710163 NP_001020787 NP_112595 NP_077025 NP_003657
## A0.A12D.01TCGA NA -1.2468947 -1.1935575 -0.4468371 0.81801592
## C8.A131.01TCGA NA -0.1304724 0.1043047 -1.5107998 0.07596952
## A0.A12B.01TCGA NA -0.7817729 -1.0478344 1.1250011 0.09401285
## BH.A18Q.02TCGA 0.6770756 1.3862966 1.2324090 0.2221037 -0.54733412
## C8.A130.02TCGA -2.1602330 0.7424510 0.5653381 2.0379992 -0.06439676
## C8.A138.03TCGA -1.4150294 -2.2781143 -1.8868004 -1.9965145 0.17582613
## NP_005331 NP_112235 NP_059128 NP_000048 NP_000782
## A0.A12D.01TCGA -0.500174249 -1.26975348 NA -0.1230042 0.2465462
## C8.A131.01TCGA -1.996545519 -0.19523851 NA 1.9541863 -0.8874261
## A0.A12B.01TCGA 1.227545663 -0.43811014 NA -0.9757761 -1.7822750
## BH.A18Q.02TCGA -0.590824084 -0.09905295 2.42001959 0.7205656 1.0651399
## C8.A130.02TCGA -0.533418007 0.33902711 -0.05455715 0.6342153 -0.2054311
## C8.A138.03TCGA -0.007030829 0.42816873 0.38794020 0.9547968 -1.9197146
## NP_001182572 NP_079514 NP_060267 NP_258412 NP_002820
## A0.A12D.01TCGA 1.0961312 0.01033871 -1.2583241 0.51704186 3.4734452
## C8.A131.01TCGA 0.1650229 1.18104101 0.8086360 1.48867996 0.1204962
## A0.A12B.01TCGA -2.0455650 -1.06723471 0.2907875 0.47370477 0.5041910
## BH.A18Q.02TCGA 2.0252645 -0.58078794 -1.7148724 -0.06559913 -4.2305995
## C8.A130.02TCGA 0.5030206 0.35214659 0.1684739 -1.35994496 -2.8588450
## C8.A138.03TCGA -1.9306860 -0.20085921 -0.6543445 -0.78965861 2.7541092

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| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_001171829 | NP_001106678 | NP_056006 | NP_001229774 | NP_001128245 |
| ## | AO.A12D.01TCGA | -0.039188671 | 0.2579756 | -0.02013968 | 0.4484655 | 1.24471331 |
| ## | C8.A131.01TCGA | 1.403674461 | -0.9117134 | 0.58600251 | 0.8734021 | 0.02739495 |
| ## | AO.A12B.01TCGA | 0.296330440 | 3.2784363 | 0.96425564 | -0.6903143 | -0.79008732 |
| ## | BH.A18Q.02TCGA | 1.081866846 | -2.1062821 | 1.66730867 | 0.1551961 | -0.85176387 |
| ## | C8.A130.02TCGA | -0.297267449 | -1.7994474 | -0.59901538 | -0.7236504 | -2.58661592 |
| ## | C8.A138.03TCGA | 0.003940589 | 1.0535395 | 0.65856850 | 0.4793687 | 2.51639519 |
| ## | | NP_003754 | NP_001001433 | NP_115810 | NP_597719 | NP_001601 |
| ## | AO.A12D.01TCGA | 1.221854522 | 1.22185452 | -0.3706411 | 0.1741600 | 0.1741600 |
| ## | C8.A131.01TCGA | 0.003107659 | 0.04763435 | 4.1278983 | -0.6971757 | 0.6912474 |
| ## | AO.A12B.01TCGA | -0.815030584 | -0.76237258 | -1.4801843 | 0.3961035 | 2.0423590 |
| ## | BH.A18Q.02TCGA | -0.851763869 | -0.85176387 | -1.5743664 | -1.3535711 | -1.2599005 |
| ## | C8.A130.02TCGA | -2.586615918 | -2.58661592 | 1.1229158 | 0.2078324 | -0.4055031 |
| ## | C8.A138.03TCGA | 3.306337255 | 2.51639519 | -1.3236009 | 2.2567383 | -0.1204021 |
| ## | | NP_055157 | NP_003230 | NP_006597 | NP_001847 | NP_065101 |
| ## | AO.A12D.01TCGA | 1.6142637 | 0.2313070 | -1.18212812 | 1.298050 | -0.4354077 |
| ## | C8.A131.01TCGA | -0.2276216 | -0.6526491 | -1.67271504 | 1.436058 | 0.5009970 |
| ## | AO.A12B.01TCGA | -0.7152575 | -0.2080778 | 0.08292695 | -1.064463 | -1.6631016 |
| ## | BH.A18Q.02TCGA | -0.7313301 | -4.0499489 | -0.16596059 | -6.157540 | -1.4171334 |
| ## | C8.A130.02TCGA | -0.5465375 | 0.5358192 | 1.13931512 | 1.319708 | 0.8670860 |
| ## | C8.A138.03TCGA | 1.0791395 | 1.6789103 | -1.81000044 | 1.854453 | -1.1261154 |
| ## | | NP_004168 | NP_006328 | NP_056485 | NP_001267 | NP_056518 |
| ## | AO.A12D.01TCGA | 0.616096613 | 0.36084014 | -0.9192520 | NA | 0.28083438 |
| ## | C8.A131.01TCGA | 1.148657962 | 0.57385887 | 0.5212364 | NA | -0.02927539 |
| ## | AO.A12B.01TCGA | -1.826618549 | 0.11064169 | -0.2441070 | NA | -1.72961696 |
| ## | BH.A18Q.02TCGA | -2.956009060 | 0.15519607 | 0.2823206 | 4.169654 | 0.31911978 |
| ## | C8.A130.02TCGA | -0.615414729 | 0.02743957 | 0.7490107 | -2.468541 | 0.76213020 |
| ## | C8.A138.03TCGA | -0.007030829 | 0.73536842 | 0.1794833 | NA | 0.50862579 |
| ## | | NP_060613 | NP_003019 | NP_001263990 | NP_001263991 | NP_037468 |
| ## | AO.A12D.01TCGA | -0.4049293 | NA | 1.1456586 | 1.1456586 | 3.6563155 |
| ## | C8.A131.01TCGA | 0.1083526 | NA | 0.8653063 | 0.8653063 | 0.1326398 |
| ## | AO.A12B.01TCGA | 0.4182753 | NA | -1.0894065 | -1.0894065 | -1.6741875 |
| ## | BH.A18Q.02TCGA | -0.8584546 | -1.4405511 | -0.7748201 | -0.6142418 | -1.3134266 |
| ## | C8.A130.02TCGA | 1.3557865 | -0.4055031 | 0.3423070 | 0.3521466 | -0.1463935 |
| ## | C8.A138.03TCGA | 0.6037114 | 0.4171973 | -1.2906867 | -1.7295434 | 1.4485106 |
| ## | | NP_076999 | NP_776152 | NP_001136336 | NP_653171 | NP_003355 |
| ## | AO.A12D.01TCGA | -0.3934999 | 1.1456586 | 0.8523041 | 0.01033871 | 0.9856470 |
| ## | C8.A131.01TCGA | 1.6060685 | 0.2743157 | 1.2822380 | -0.69312786 | 2.6099430 |
| ## | AO.A12B.01TCGA | -0.9425184 | -1.8238471 | -0.8870889 | -0.49353961 | -1.6298439 |
| ## | BH.A18Q.02TCGA | 1.7910878 | -1.5342218 | -1.3769888 | -2.07282825 | 0.9045616 |
| ## | C8.A130.02TCGA | -0.6646128 | 0.6046965 | -0.8253263 | 1.36234620 | -0.8154867 |
| ## | C8.A138.03TCGA | 0.2343404 | 1.8946815 | 1.1522823 | 1.62039610 | -1.2431439 |
| ## | | NP_003912 | NP_689805 | NP_036553 | NP_775821 | NP_060259 |
| ## | AO.A12D.01TCGA | 0.2960736 | NA | -0.4468371 | -1.5440589 | 0.4827537 |
| ## | C8.A131.01TCGA | 3.1604548 | NA | -0.3247707 | 6.2408922 | 0.1124004 |
| ## | AO.A12B.01TCGA | -0.5794553 | NA | -2.2284823 | -0.8621456 | -1.3443821 |
| ## | BH.A18Q.02TCGA | -0.4436273 | -0.1057437 | -1.4806957 | -3.5815955 | -2.8556476 |
| ## | C8.A130.02TCGA | 0.8146081 | -1.2320301 | 0.8146081 | -2.8096470 | -1.8945636 |
| ## | C8.A138.03TCGA | 0.5451972 | 0.8962825 | 0.4025688 | 0.8633683 | -0.1606307 |
| ## | | NP_006818 | NP_001544 | NP_620775 | NP_006432 | NP_001186689 |
| ## | AO.A12D.01TCGA | 2.5895721 | 0.04081709 | 0.2694050 | -2.0279033 | -1.2964221 |
| ## | C8.A131.01TCGA | 0.4119436 | -0.16690334 | -0.6405054 | -1.1505384 | -1.1829215 |
| ## | AO.A12B.01TCGA | -0.1166192 | -0.37159476 | 0.9781130 | 0.7231374 | 1.5102360 |
| ## | BH.A18Q.02TCGA | 0.5298788 | -1.08259522 | 0.3325013 | -0.6242779 | -0.4703903 |

```

## C8.A130.02TCGA -1.0581970 0.80148862 -0.9335620 -0.1529532 -0.2316701
## C8.A138.03TCGA 0.8670254 0.19776896 -0.8298871 -0.1057736 -0.1716021
## NP_037481 NP_000995 NP_000994 NP_006336 NP_002504
## A0.A12D.01TCGA 1.21804472 -0.15348262 0.002719109 1.08089199 -1.1630791
## C8.A131.01TCGA -0.06975420 0.01120342 0.108352563 -0.05356267 -0.7457503
## A0.A12B.01TCGA 2.45530859 -0.07504706 -0.075047059 -0.08336148 2.0867026
## BH.A18Q.02TCGA -0.02879993 -0.45366343 0.968123863 -0.58078794 -1.1260852
## C8.A130.02TCGA 1.48698121 0.72605164 0.686693211 -0.39566352 -0.4940596
## C8.A138.03TCGA -0.98348699 -0.22645918 -0.339830493 -0.34348763 1.9056530
## NP_056251 NP_612426 NP_001107803 NP_733746 NP_001138740
## A0.A12D.01TCGA 2.6924366 -0.2106296 1.1304194 0.4332263 0.60847702
## C8.A131.01TCGA -0.1345203 0.1528793 1.8367977 2.3954053 0.03549071
## A0.A12B.01TCGA -0.2025349 -0.6515136 -0.8510597 2.3084205 1.98970098
## BH.A18Q.02TCGA -1.0391053 0.2522121 -1.3201173 -0.8484185 -1.31008118
## C8.A130.02TCGA 0.6145361 0.0241597 -1.0647568 -1.5862559 -0.80892699
## C8.A138.03TCGA -1.3272581 -0.2191449 -0.3069162 1.3936535 0.73536842
## NP_006233 NP_054765 NP_009039 NP_996896 NP_001254652
## A0.A12D.01TCGA 0.7189612 -0.5763702 -1.0373558 -0.76305032 -1.7421685
## C8.A131.01TCGA 0.8491148 -1.1100596 -0.1102330 -0.04951479 -0.5231169
## A0.A12B.01TCGA 1.4437206 1.7042392 0.8866544 0.94762680 0.2935590
## BH.A18Q.02TCGA -0.6945309 0.6503126 -1.1294306 -1.02237834 -1.6178563
## C8.A130.02TCGA -3.2065111 0.5259796 0.9720418 1.39842475 0.5587783
## C8.A138.03TCGA 3.3977657 -0.2922877 0.5232543 0.34039739 1.2034822
## NP_056245 NP_612430 NP_612432 NP_000425 NP_996925
## A0.A12D.01TCGA NA 0.84849430 0.66181419 -1.2926123 -0.73257194
## C8.A131.01TCGA NA -1.11410748 -0.30048341 -0.4543029 0.03549071
## A0.A12B.01TCGA NA -0.13601948 -0.04456085 2.2723913 0.89496880
## BH.A18Q.02TCGA 2.0353007 0.34922822 -1.88883225 -0.4570088 -0.43693652
## C8.A130.02TCGA 0.6604543 -0.11687466 -1.13691388 -0.1759123 -0.77284843
## C8.A138.03TCGA 0.9365111 0.05879768 0.74633984 0.4135402 0.52691149
## NP_006619 NP_996928 NP_619727 NP_006859 NP_065724
## A0.A12D.01TCGA -0.72495234 -1.01068720 -0.99163821 0.07129548 -0.05823766
## C8.A131.01TCGA -0.08594572 0.04763435 -0.72551091 1.51701513 0.39170423
## A0.A12B.01TCGA -1.01734818 0.96425564 -0.90648922 -2.29499763 -1.01734818
## BH.A18Q.02TCGA -0.63765943 -0.28304895 2.71775858 -1.35357115 -0.18937826
## C8.A130.02TCGA 0.63093544 -0.74332962 -0.03159807 -1.04835742 -1.87488437
## C8.A138.03TCGA -0.69091585 0.36234023 0.19411182 0.58176858 1.61673896
## NP_005773 NP_006521 NP_001139643 NP_150280 NP_055302
## A0.A12D.01TCGA 0.1170131 -0.2411080 -0.2601570 1.53425797 1.9685750
## C8.A131.01TCGA -1.6686672 -0.5150211 -0.1223767 -0.57573931 0.6062419
## A0.A12B.01TCGA -1.1725507 0.2824731 1.0612572 -1.01457670 -0.6847713
## BH.A18Q.02TCGA -1.4104426 0.6235495 -1.2599005 -1.51080410 -1.1762659
## C8.A130.02TCGA 0.9162840 0.8474068 -2.1864719 0.06023826 0.8769256
## C8.A138.03TCGA -0.1094307 0.0514834 -0.6433730 -0.26303057 -1.1151440
## NP_000132 NP_001138385 NP_001138387 NP_001167538 NP_002002
## A0.A12D.01TCGA -0.06585726 -0.06585726 1.8580908 -3.3079955 -3.3079955
## C8.A131.01TCGA -0.14666393 -0.14666393 0.3876563 1.5372545 1.5372545
## A0.A12B.01TCGA -3.05438148 -3.05438148 -3.3897298 -3.3897298 -3.3897298
## BH.A18Q.02TCGA 1.89814002 1.94832075 1.8981400 0.4194812 2.2828589
## C8.A130.02TCGA 1.35906633 1.12619564 0.8047685 0.2963888 0.8047685
## C8.A138.03TCGA 0.43182587 0.43182587 -0.1057736 -0.3544590 -0.1057736
## NP_001156685 NP_659547 NP_003815 NP_877429 NP_653180
## A0.A12D.01TCGA -0.06585726 -0.5687506 -0.717332744 1.3590073 -1.544059
## C8.A131.01TCGA 3.22522088 -0.4178720 0.181214420 -0.5474041 -1.138395

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## A0.A12B.01TCGA -3.05438148 -0.9258895 0.002554209 -0.3300227 1.837270
## BH.A18Q.02TCGA 2.28285893 -0.4101735 -0.651040958 -0.6343140 -2.491001
## C8.A130.02TCGA 0.65389452 -0.3038272 0.913004163 -1.3533852 -2.439022
## C8.A138.03TCGA 0.08074051 0.6951399 -0.581201678 0.1867975 -1.126115
## NP_859070 NP_055753 NP_001138947 NP_001008712 NP_001008710
## A0.A12D.01TCGA 0.29226377 -2.1726756 3.3896297 1.2904309 1.3437681
## C8.A131.01TCGA -1.77391207 0.1447835 0.5455237 0.3269381 0.3917042
## A0.A12B.01TCGA 0.19378591 -2.0843656 3.9907051 -0.9840905 -1.0118052
## BH.A18Q.02TCGA -0.59082408 1.5836741 -3.1901858 1.9583569 1.9148669
## C8.A130.02TCGA -0.04471755 0.8080484 -1.9437616 1.2278716 1.2278716
## C8.A138.03TCGA -0.64703018 1.1925108 -1.9745717 -1.5759435 -2.0696573
## NP_919248 NP_004598 NP_001231496 NP_075565 NP_003560
## A0.A12D.01TCGA 1.2409035 -0.9992578 -0.06204746 0.05224649 0.65038480
## C8.A131.01TCGA 0.4443267 -1.5350871 1.34700413 -0.07784996 0.81673173
## A0.A12B.01TCGA -2.1647384 0.7286804 -0.57114088 -0.45196751 -1.85156181
## BH.A18Q.02TCGA 1.6940717 -0.2395590 0.78747324 -0.26966743 -1.18964744
## C8.A130.02TCGA 1.7854493 1.0704379 0.21439209 1.24099105 5.05219867
## C8.A138.03TCGA -1.6417720 -1.3601723 -0.79331575 -2.01480023 -0.09845931
## NP_077002 NP_667339 NP_115644 NP_848613 NP_064582
## A0.A12D.01TCGA -1.2126065 2.07905911 -1.3954768 0.4294165 1.55711676
## C8.A131.01TCGA -0.5838351 0.86530630 9.3901435 -0.6728885 -0.52311686
## A0.A12B.01TCGA -0.4935396 0.76470953 -0.2496499 1.0640287 0.30741634
## BH.A18Q.02TCGA -1.2331374 -0.02879993 -10.7340219 -1.2331374 0.08828843
## C8.A130.02TCGA -0.3628648 0.22751157 -5.5844161 0.4308634 -0.16607269
## C8.A138.03TCGA -1.2541153 -0.24840201 NA 2.2859954 2.28599543
## NP_065726 NP_079437 NP_065191 NP_057714 NP_004271
## A0.A12D.01TCGA 0.09796406 -0.72495234 0.41036751 1.0961312 -0.142053222
## C8.A131.01TCGA 1.44010539 -0.46239865 -0.23976520 0.8329233 -0.077849959
## A0.A12B.01TCGA -0.21639223 0.65107910 -0.16096275 -1.4995846 0.335131074
## BH.A18Q.02TCGA -0.12916139 0.02807156 2.84153770 0.2722844 0.007999269
## C8.A130.02TCGA 0.75229059 -0.69085171 -1.01883860 -0.7039712 0.250470652
## C8.A138.03TCGA -0.76771577 -0.81160144 0.09171193 1.2619965 -0.347144771
## NP_004837 NP_001124439 NP_055230 NP_001630 NP_054781
## A0.A12D.01TCGA 0.32274215 -0.656376 2.9934107 -0.3287333 -0.66018577
## C8.A131.01TCGA 0.28645932 -2.255610 1.1162749 -0.9602880 -1.45412948
## A0.A12B.01TCGA -0.09444738 -1.873734 1.1416300 -1.8099897 0.76748100
## BH.A18Q.02TCGA 0.11839687 -1.668037 -1.8118885 -1.3535711 1.27589899
## C8.A130.02TCGA 0.32918750 -1.333706 0.3160680 -0.8810841 0.18159341
## C8.A138.03TCGA -0.33251622 1.700853 0.7207399 -1.6490863 -0.08383075
## NP_689813 NP_057698 NP_001265409 NP_001094896 NP_061159
## A0.A12D.01TCGA -0.2449178 -0.4277881 NA -1.5326296 1.1037508
## C8.A131.01TCGA -1.9034443 -0.6809842 NA -1.0655329 3.3547531
## A0.A12B.01TCGA 1.7319539 0.3850176 NA 2.0118728 -0.2829076
## BH.A18Q.02TCGA -0.8718362 1.0517584 -0.6242779 0.9948869 -0.6543863
## C8.A130.02TCGA 2.0084804 -0.4383018 -0.5530972 -2.3734244 -1.8584850
## C8.A138.03TCGA 2.1872527 0.1099976 0.1685119 0.2306832 -0.4641732
## NP_065104 NP_001553 NP_060218 NP_002203 NP_058642
## A0.A12D.01TCGA 0.6961024 1.0123156 -0.4049293 -0.4163587 0.3989381
## C8.A131.01TCGA 1.7841753 -0.1911906 0.1933581 -0.4421592 -0.5595478
## A0.A12B.01TCGA -1.0783206 -1.8460189 0.3212737 1.6155520 -1.8210756
## BH.A18Q.02TCGA -1.2498643 0.6703849 -1.1093583 -0.2027598 -1.5977840
## C8.A130.02TCGA -0.2021513 -0.9138828 1.3459469 -0.1004753 -2.2619089
## C8.A138.03TCGA -0.8006300 -1.0822297 0.8011969 0.1246262 1.7410817
## NP_037374 NP_001092872 NP_003860 NP_690049 NP_775786

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## A0.A12D.01TCGA 0.1551110 2.07905911 -0.7592405 -0.004900488 0.4522753
## C8.A131.01TCGA 0.4969491 -0.41382408 1.7356007 -0.199286387 0.1933581
## A0.A12B.01TCGA -0.8926319 0.06075516 -1.6215295 0.008097157 3.3089225
## BH.A18Q.02TCGA 1.0283407 -0.58413332 1.8613408 0.004653887 1.4331319
## C8.A130.02TCGA 0.2504707 1.17539367 -1.7338500 -0.615414729 -0.2808681
## C8.A138.03TCGA 0.8523969 1.06451095 -1.0237155 0.259940330 -0.9176585
## NP_001230631 NP_665741 NP_291022 NP_056511 NP_001968
## A0.A12D.01TCGA -0.06585726 -0.6297074 0.09796406 -0.5077938 -0.3058745
## C8.A131.01TCGA -0.54740415 1.0029342 1.01912577 4.1926644 0.1164483
## A0.A12B.01TCGA -0.05841822 -0.5877697 -0.34942297 -2.6164886 -0.2441070
## BH.A18Q.02TCGA 0.52653346 -23.5903244 0.40275433 -0.1860329 1.3628789
## C8.A130.02TCGA -0.02503833 3.0121202 -0.04143768 1.6181760 0.2242317
## C8.A138.03TCGA 0.68416847 0.8304540 1.21079651 -0.2849734 0.6183400
## NP_937859 NP_000978 NP_057177 NP_848599 NP_741999
## A0.A12D.01TCGA -0.48112526 0.3265520 0.4598949 0.4675145 0.09034447
## C8.A131.01TCGA -0.28024401 1.5089194 1.1810410 1.4239139 -1.27602271
## A0.A12B.01TCGA -0.05287527 -2.0344791 -2.0344791 -1.5051276 2.55508165
## BH.A18Q.02TCGA 1.17553754 -3.6618846 -3.2671296 -0.5908241 0.02472618
## C8.A130.02TCGA 0.85396652 1.2705099 1.2770696 1.3590663 -0.98603991
## C8.A138.03TCGA -0.03628794 -0.3764019 -0.2886305 -0.5007446 -1.55034356
## NP_001861 NP_065137 NP_004468 XP_003846787 XP_001721838
## A0.A12D.01TCGA -4.5461799 1.6866499 -0.4201685 -0.80114830 -0.6106584
## C8.A131.01TCGA -6.6597043 0.6021940 -0.4016804 -0.17095122 -0.2842919
## A0.A12B.01TCGA -5.1607016 -0.4464246 1.4658924 0.05244074 0.7591666
## BH.A18Q.02TCGA -1.8219246 -1.8453423 0.7540194 0.45628044 -0.9521253
## C8.A130.02TCGA 0.3357472 0.6014166 0.4931809 0.92940351 0.8572464
## C8.A138.03TCGA -2.9693136 0.2014261 -1.3162866 -0.61777307 -0.6177731
## XP_002343932 XP_003403890 NP_653218 NP_071936 NP_071898
## A0.A12D.01TCGA -0.7935287 -0.28682555 -3.71564390 -0.72495234 -1.3192809
## C8.A131.01TCGA -0.3571537 -0.55549991 -3.17043099 -0.03737115 0.7033911
## A0.A12B.01TCGA 1.0945149 0.05244074 -3.56156119 0.39333203 0.4210468
## BH.A18Q.02TCGA 0.7540194 0.69380255 -0.05890837 -0.78485623 -1.4372057
## C8.A130.02TCGA 0.2471908 1.37218580 -1.03851781 -0.03159807 -0.8220465
## C8.A138.03TCGA -1.2797153 -0.57388740 -1.67834343 -0.18623065 1.1815394
## NP_002791 NP_116229 NP_115647 NP_004992 NP_005176
## A0.A12D.01TCGA 0.2351168 1.0123156 -0.5001742 -0.3096843 -0.5611310
## C8.A131.01TCGA 0.2055017 0.1124004 0.8572105 0.4200394 0.2945551
## A0.A12B.01TCGA 0.5984211 -0.4519675 -0.2607358 -0.2801361 -1.6547872
## BH.A18Q.02TCGA 1.1052845 0.6670395 -0.7982378 -1.0089968 1.0316861
## C8.A130.02TCGA -0.9138828 -0.5399777 0.3521466 -0.2415097 1.0901171
## C8.A138.03TCGA -0.2886305 0.2782260 1.7118246 -0.4312590 0.6146828
## NP_057600 NP_620048 NP_004873 NP_001034782 NP_085139
## A0.A12D.01TCGA 0.81420612 -0.3630215 1.47330120 -1.3421396 0.6084770
## C8.A131.01TCGA 0.84911477 3.6704878 -0.06570632 -0.0697542 -0.9238571
## A0.A12B.01TCGA -0.75960111 -0.6237989 0.60673551 -0.2385640 0.7813384
## BH.A18Q.02TCGA 0.21541294 0.9413608 -0.06225375 -0.5372980 0.2421760
## C8.A130.02TCGA 0.06023826 -2.2553492 2.14951473 -0.3694246 2.5332594
## C8.A138.03TCGA 1.52531048 -2.8266851 0.19411182 0.7682827 -2.2817714
## NP_005701 NP_652766 NP_296373 NP_057399 NP_001026883
## A0.A12D.01TCGA -0.008710286 -0.02013968 1.4199640 0.05605628 1.5380678
## C8.A131.01TCGA 0.634577084 0.06382587 0.3714648 1.99871296 -0.4704944
## A0.A12B.01TCGA 0.260301280 0.52636277 0.5041910 -0.86768859 1.7042392
## BH.A18Q.02TCGA -0.346611208 0.33250131 -2.4843102 0.09832458 0.7004933
## C8.A130.02TCGA 0.539099112 0.65061465 0.3291875 -0.08407597 -1.5862559

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## C8.A138.03TCGA -0.032630803 -0.57023026 0.2965117 2.67365218 0.9694253
## NP_006379 NP_872418 NP_055494 NP_001230705 NP_057228
## AO.A12D.01TCGA NA -0.2106296 -0.08871605 -0.08871605 -0.73638174
## C8.A131.01TCGA NA 0.4200394 0.18931018 0.18931018 0.14073561
## AO.A12B.01TCGA NA 0.4265897 0.26030128 0.26030128 0.31295928
## BH.A18Q.02TCGA 1.2056460 0.7473287 0.48638887 0.48638887 -0.43024576
## C8.A130.02TCGA 0.6801335 -0.7826880 0.07663760 0.07663760 -0.86468476
## C8.A138.03TCGA -0.2191449 -0.9286299 0.68416847 0.68416847 0.02954056
## NP_006577 NP_004976 NP_203524 NP_002515 NP_005334
## AO.A12D.01TCGA -0.25253737 0.33417155 0.38750872 0.8675433 0.38750872
## C8.A131.01TCGA 1.41986598 0.85316265 0.98269484 0.5090928 0.63862496
## AO.A12B.01TCGA 0.95039827 -0.41593835 -0.07227559 -0.3549659 0.03304042
## BH.A18Q.02TCGA 1.41975041 -0.07563528 -0.23955899 -0.3365751 -0.33657506
## C8.A130.02TCGA 0.04383891 -0.06767663 -0.16935256 -0.2710285 -0.49405958
## C8.A138.03TCGA -0.55925884 1.09376806 1.10108234 0.4903401 0.47205440
## NP_057623 NP_113641 NP_004948 NP_002154 NP_006113
## AO.A12D.01TCGA -0.74400133 0.50942226 -0.67923476 NA -1.2278457
## C8.A131.01TCGA -0.15475970 3.38308824 -0.91980919 NA 0.2055017
## AO.A12B.01TCGA -0.08059001 -2.92135073 0.26584423 NA -0.3327941
## BH.A18Q.02TCGA 0.27228444 -0.09236219 -1.40375188 1.6171279 1.9282485
## C8.A130.02TCGA 0.27342973 -0.41862260 -0.03487794 -0.4415817 -0.6875718
## C8.A138.03TCGA -0.46783036 -1.02737266 -0.37640188 -0.4385733 2.0043957
## NP_542937 NP_004383 NP_444511 NP_060255 NP_775826
## AO.A12D.01TCGA -1.04497539 -0.8925835 -2.06600129 NA -1.16307913
## C8.A131.01TCGA 0.05977799 -0.3207228 0.05977799 NA -1.04529350
## AO.A12B.01TCGA 3.29506517 3.1897492 3.46135361 NA 1.87052760
## BH.A18Q.02TCGA -3.13331430 -3.0396436 -5.31450327 -4.8796036 -1.48404104
## C8.A130.02TCGA -2.60301526 -2.5013393 -3.04251769 -0.5694966 1.01468010
## C8.A138.03TCGA -4.35171216 -4.0554839 -7.50050898 0.7280541 0.04782626
## NP_033665 NP_001035167 NP_071906 NP_003300 NP_001094089
## AO.A12D.01TCGA 0.6694338 0.002719109 0.5284713 -0.02394948 -0.1763414
## C8.A131.01TCGA 0.7641093 0.788396559 0.2014538 -0.36120162 -0.1385682
## AO.A12B.01TCGA -1.3388391 -1.191951031 1.0252281 -0.06118969 2.0562164
## BH.A18Q.02TCGA 1.3461520 1.382951214 -0.6476956 -1.03241449 0.4964250
## C8.A130.02TCGA 0.5489387 0.234071308 -0.8482854 -0.77940817 -0.8679646
## C8.A138.03TCGA -1.1736582 -1.382115155 1.0791395 0.95845391 -0.8993728
## NP_001941 NP_001942 NP_950245 NP_000203 NP_942590
## AO.A12D.01TCGA -0.5192232 0.2503560 -1.1745085 0.9704078 0.07129548
## C8.A131.01TCGA 0.2378848 0.3147945 -0.0899936 4.2169517 -0.66884058
## AO.A12B.01TCGA -0.3715948 -0.9175751 0.9005117 -1.2113513 1.26911777
## BH.A18Q.02TCGA 1.6773448 2.5337626 -0.1726514 -0.2964305 -0.25963128
## C8.A130.02TCGA 0.1323954 -0.4809401 -1.7830480 -0.8614049 -0.16279283
## C8.A138.03TCGA 0.1538833 0.6146828 -0.2886305 0.9438254 -0.30325910
## NP_002566 NP_057494 NP_113651 NP_056410 NP_612510
## AO.A12D.01TCGA 4.9859351 -0.11919443 1.4123444 -1.68883128 3.3477219
## C8.A131.01TCGA 0.9584076 -0.78622912 1.2053283 -0.02927539 0.3066987
## AO.A12B.01TCGA -1.3360677 1.30791840 -2.8603783 1.56289400 -2.1758243
## BH.A18Q.02TCGA 6.0029236 -0.01207302 -1.3836796 -1.83530614 0.9012162
## C8.A130.02TCGA -0.5891758 0.58173741 -0.5235784 0.71949190 -1.5993754
## C8.A138.03TCGA -0.3873733 1.53628190 -1.0200584 -0.37640188 0.8450826
## NP_054797 NP_002401 NP_036411 NP_002832 NP_057524
## AO.A12D.01TCGA -0.9687794 -0.1001454 -0.6258976 -0.39730970 -1.0297362
## C8.A131.01TCGA -0.9440965 0.0152513 -0.8631389 -0.35310586 -1.0452935
## AO.A12B.01TCGA 2.2363622 -0.3549659 1.2718892 0.70096563 -1.0062623

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## BH.A18Q.02TCGA 0.7439833 -0.6978763 -0.1492337 1.21233674 0.1485053
## C8.A130.02TCGA -0.5202985 -1.4058631 -0.8548452 -0.52357840 1.6378552
## C8.A138.03TCGA -1.0200584 -0.1094307 0.2306832 -0.05823078 1.3241678
## NP_071766 NP_004796 NP_001035111 XP_003403776 NP_061026
## AO.A12D.01TCGA 0.299883366 -0.3439725 0.01033871 0.33036175 -0.06585726
## C8.A131.01TCGA -0.316674934 -0.8348037 0.81268385 0.81268385 1.06365246
## AO.A12B.01TCGA -0.008531686 -0.5849983 -2.90749336 -3.30658560 0.25752981
## BH.A18Q.02TCGA 1.908176166 0.1485053 1.16215601 1.69741711 2.97200760
## C8.A130.02TCGA -0.966360698 0.1356752 -0.48094011 0.05367852 -0.64165368
## C8.A138.03TCGA 1.137653730 -0.8481728 -0.85548711 -0.84817284 -1.27240098
## NP_006056 NP_055703 NP_055097 NP_997187 NP_997176 NP_997175
## AO.A12D.01TCGA 1.5761658 1.9457162 0.4484655 1.4656816 0.5894280 0.6084770
## C8.A131.01TCGA 0.7964923 1.2012804 -0.0899936 0.6952953 0.6750559 0.9462639
## AO.A12B.01TCGA -1.4940417 0.4986480 -1.5411567 0.1632997 -1.0478344 -1.0589203
## BH.A18Q.02TCGA 1.2692082 -0.9387438 0.4395535 1.3160436 0.8878347 1.4030235
## C8.A130.02TCGA -1.1041152 -2.2291102 0.1684739 0.8998847 0.6243757 0.4899011
## C8.A138.03TCGA -1.0602869 0.7646255 -0.6433730 1.9349101 0.5634829 0.4501116
## NP_060858 NP_055851 NP_463460 NP_000716 NP_001193844
## AO.A12D.01TCGA 1.4047248 1.6942695 0.7151514 -0.05823766 -0.2296786
## C8.A131.01TCGA 1.0474609 0.5576673 -0.4826381 0.26621992 0.2216932
## AO.A12B.01TCGA -1.5383853 -0.5184829 0.2880160 -0.25519286 -0.2773647
## BH.A18Q.02TCGA 1.4866581 1.4264412 0.6034772 -1.89552301 -1.8955230
## C8.A130.02TCGA 0.4931809 -0.9565211 -0.9663607 0.29638882 0.2963888
## C8.A138.03TCGA 0.8450826 0.6110257 1.4155963 1.85811015 1.7118246
## NP_954855 NP_963891 NP_963890 NP_000717 NP_009130
## AO.A12D.01TCGA 0.5360909 0.5360909 0.5360909 0.2389266 0.2198776
## C8.A131.01TCGA 1.9987130 2.9256777 2.9256777 1.5939249 2.4277883
## AO.A12B.01TCGA 0.5762493 1.0640287 1.0640287 0.8201390 -1.5716430
## BH.A18Q.02TCGA -7.6529252 -3.3942541 -2.7686677 -3.3942541 1.3595335
## C8.A130.02TCGA -3.0654768 -0.8745244 -2.1536732 -0.8745244 -1.1172347
## C8.A138.03TCGA 1.2656536 1.2656536 1.2656536 -0.1094307 -1.8063433
## NP_078975 NP_001164267 NP_710156 NP_006605 NP_116023
## AO.A12D.01TCGA -0.2372982 -0.2372982 -0.9268716 3.6448862 2.1362061
## C8.A131.01TCGA -0.2802440 -0.2802440 -0.3247707 3.3183221 -0.6081224
## AO.A12B.01TCGA 0.3489884 0.3489884 0.4737048 -1.3388391 -0.7790014
## BH.A18Q.02TCGA -0.9688522 -0.9755430 -0.5473341 -0.9287077 -0.6644225
## C8.A130.02TCGA -0.3333460 -0.5104589 -0.4251823 0.7194919 -1.8617649
## C8.A138.03TCGA -0.1679450 -0.2045163 0.2965117 -0.2630306 2.4505667
## NP_001120650 NP_079480 NP_001974 NP_065822 NP_002823
## AO.A12D.01TCGA 1.75903606 2.0866787 0.8561139 -0.130623827 1.5647364
## C8.A131.01TCGA 1.81655831 0.1812144 -0.8105164 -1.057437144 1.8732286
## AO.A12B.01TCGA 1.55735105 -0.5739124 1.0473999 -0.002988738 -1.6049006
## BH.A18Q.02TCGA -5.48511775 0.5767142 -0.4269004 1.001577682 1.1554652
## C8.A130.02TCGA 0.46366213 0.4997407 0.4341433 0.047118782 -0.9499614
## C8.A138.03TCGA -0.01068797 -0.2447449 0.6585685 -0.588515956 0.1502262
## NP_963922 NP_001018000 NP_001074002 NP_005139 NP_077307
## AO.A12D.01TCGA -1.7955056 -0.1077650 -0.93068144 0.4979929 -0.2868256
## C8.A131.01TCGA -0.5028775 -0.6283618 -0.29238765 -0.7174151 -0.4057283
## AO.A12B.01TCGA -1.0644632 -1.1088068 1.02522807 0.5291342 -0.4464246
## BH.A18Q.02TCGA -0.8417277 -0.8417277 -0.01876379 -0.5506795 -0.3298843
## C8.A130.02TCGA -1.5272183 -1.5272183 0.34558685 0.7522906 0.2570304
## C8.A138.03TCGA -0.1277164 -0.1277164 -0.32520194 -1.4406294 -0.7055444
## NP_060793 NP_055259 NP_478144 NP_079090 NP_115560
## AO.A12D.01TCGA 1.33995826 0.07129548 -0.51541344 0.1932090 2.1476355

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|-------------|--------------|
| ## | C8.A131.01TCGA | 0.53338006 | 0.47266185 | -0.31262705 | 0.2014538 | 2.0958621 |
| ## | A0.A12B.01TCGA | -1.03951997 | 0.22981507 | 3.74404394 | 0.5263628 | -0.1969919 |
| ## | BH.A18Q.02TCGA | 1.39298736 | 0.24552138 | -0.07563528 | -1.4606234 | -1.1561936 |
| ## | C8.A130.02TCGA | -1.09427558 | -0.22183047 | -0.92372240 | 0.4931809 | 0.8769256 |
| ## | C8.A138.03TCGA | -0.03994508 | 0.48668296 | 1.44119628 | -0.1386878 | -0.6982301 |
| ## | | NP_001003819 | NP_001003818 | NP_777549 | NP_115724 | NP_001138732 |
| ## | A0.A12D.01TCGA | 0.05224649 | 3.694414 | -0.9687794 | 0.41798711 | NA |
| ## | C8.A131.01TCGA | -0.17095122 | 1.735601 | -1.3731719 | -1.66461928 | NA |
| ## | A0.A12B.01TCGA | 0.04135484 | 0.504191 | 1.7153251 | -1.85156181 | NA |
| ## | BH.A18Q.02TCGA | -2.26351501 | NA | -1.1796113 | -1.90555916 | 0.6235495 |
| ## | C8.A130.02TCGA | -1.30418719 | NA | -0.4940596 | -0.02175846 | 0.8178880 |
| ## | C8.A138.03TCGA | 1.31319641 | NA | -1.0017727 | 0.21971180 | -1.1846296 |
| ## | | NP_775956 | NP_000206 | NP_003214 | NP_060482 | NP_056471 |
| ## | A0.A12D.01TCGA | 0.2922638 | -0.7897189 | -2.035522910 | 1.7323675 | NA |
| ## | C8.A131.01TCGA | 1.4684406 | -0.7417024 | -1.474368880 | 2.3832616 | NA |
| ## | A0.A12B.01TCGA | -0.6570566 | 1.3578049 | -0.000217265 | -0.4297957 | NA |
| ## | BH.A18Q.02TCGA | -0.1191252 | NA | 0.894525462 | -4.4580855 | -9.004459 |
| ## | C8.A130.02TCGA | 2.4086244 | NA | 0.371825800 | 0.6965328 | 2.333187 |
| ## | C8.A138.03TCGA | 0.8377683 | 0.6329685 | -1.422343686 | 1.7008532 | 3.789080 |
| ## | | NP_002220 | NP_001185890 | NP_057222 | NP_078943 | NP_001825 |
| ## | A0.A12D.01TCGA | 1.7590361 | -0.3439725 | -0.8811541 | 0.5551398 | 0.2274972 |
| ## | C8.A131.01TCGA | 0.8045881 | 0.5009970 | -0.1426161 | 1.3753393 | -0.1466639 |
| ## | A0.A12B.01TCGA | -1.3166674 | 2.4081935 | 1.1610303 | -1.1448360 | 0.7591666 |
| ## | BH.A18Q.02TCGA | -0.4670450 | 0.2923567 | 0.4428989 | -0.1927236 | -1.4539326 |
| ## | C8.A130.02TCGA | 0.2570304 | -1.4321021 | 1.6444149 | -0.2710285 | -0.0184786 |
| ## | C8.A138.03TCGA | 0.6000543 | -1.2541153 | 1.0352538 | -0.1642878 | 0.8194826 |
| ## | | NP_009028 | NP_689996 | NP_849157 | NP_219485 | NP_003359 |
| ## | A0.A12D.01TCGA | 0.25416579 | -2.59175344 | 1.5685462 | -0.3554019 | 1.70188909 |
| ## | C8.A131.01TCGA | -0.19523851 | -1.87510909 | 2.1930112 | 0.9179287 | 1.72345705 |
| ## | A0.A12B.01TCGA | 0.70928005 | -0.29122202 | -2.5666021 | 0.1383564 | -0.67368542 |
| ## | BH.A18Q.02TCGA | -1.87879610 | -2.09290054 | 0.1016700 | -0.9822338 | -0.06894451 |
| ## | C8.A130.02TCGA | -0.07423637 | 0.07991747 | -0.4874998 | 0.5194199 | -0.20871099 |
| ## | C8.A138.03TCGA | 0.83776832 | -1.96725742 | -0.9213156 | -0.3142305 | -9.92519225 |
| ## | | NP_001284 | NP_065943 | NP_001035807 | NP_002096 | NP_003503 |
| ## | A0.A12D.01TCGA | -1.34975924 | 2.0866787 | -1.09450276 | -1.4792924 | -1.03735579 |
| ## | C8.A131.01TCGA | -0.59193084 | 0.4159915 | -1.24768755 | -0.8388516 | -1.00076681 |
| ## | A0.A12B.01TCGA | -0.08059001 | -1.9236201 | -1.48295579 | -2.5167155 | -1.73515991 |
| ## | BH.A18Q.02TCGA | -0.61089638 | -1.1361213 | 1.69741711 | 1.0684853 | 1.41975041 |
| ## | C8.A130.02TCGA | 0.53253937 | 1.9461629 | 0.89988469 | 0.9654821 | 0.88020547 |
| ## | C8.A138.03TCGA | -0.99445840 | 1.2912536 | 0.06245481 | 0.1319405 | 0.08805479 |
| ## | | NP_778235 | NP_002097 | NP_619541 | NP_079350 | NP_061888 |
| ## | A0.A12D.01TCGA | -2.0926699 | -0.9840186 | -1.18974772 | 4.50590054 | -0.4658861 |
| ## | C8.A131.01TCGA | -3.0247073 | 0.1083526 | 0.34717754 | 1.23771134 | 0.6467207 |
| ## | A0.A12B.01TCGA | -1.9679637 | -1.7296170 | -1.82939002 | 0.04689779 | -0.4547390 |
| ## | BH.A18Q.02TCGA | 0.2722844 | -0.4603542 | -0.58078794 | -2.30700498 | NA |
| ## | C8.A130.02TCGA | 0.8047685 | 0.6702939 | 0.69981269 | 1.38202541 | NA |
| ## | C8.A138.03TCGA | 0.2928546 | 0.1904547 | 0.07342623 | -0.64703018 | NA |
| ## | | NP_899050 | NP_071925 | NP_689729 | NP_001865 | NP_115726 |
| ## | A0.A12D.01TCGA | 0.9665980 | 3.5115432 | -0.03537887 | -0.4963645 | -0.5382722 |
| ## | C8.A131.01TCGA | 1.7396486 | 0.6629123 | 0.97459908 | -0.1547597 | -1.0210062 |
| ## | A0.A12B.01TCGA | -1.5023561 | -3.6668772 | -0.10553327 | 0.7674810 | -0.6986287 |
| ## | BH.A18Q.02TCGA | 1.2390998 | -0.7514024 | 0.13177840 | -0.5306072 | -0.6376594 |
| ## | C8.A130.02TCGA | 0.5620582 | -0.2939876 | -0.03487794 | -2.6915717 | 0.6046965 |
| ## | C8.A138.03TCGA | 1.5143391 | 0.7792541 | -0.27034485 | -2.7974280 | 0.2891974 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_001508 | NP_001239051 | NP_001239053 | NP_001252543 | NP_919247 |
| ## | AO.A12D.01TCGA | -0.38588030 | NA | NA | -0.48493506 | -0.4315979 |
| ## | C8.A131.01TCGA | 0.31884237 | NA | NA | -1.12220324 | -0.5878830 |
| ## | AO.A12B.01TCGA | 0.02749747 | NA | NA | -1.13375008 | 0.3545314 |
| ## | BH.A18Q.02TCGA | -0.21279593 | 0.1451599 | -0.07898066 | -2.62481626 | -0.6242779 |
| ## | C8.A130.02TCGA | -0.14967335 | -1.4058631 | -1.23203008 | 0.06351813 | -0.1988714 |
| ## | C8.A138.03TCGA | 0.22336894 | -0.5665731 | -0.56657312 | 0.32942597 | 0.3550259 |
| ## | | NP_001035247 | NP_000387 | NP_002397 | NP_002735 | NP_060739 |
| ## | AO.A12D.01TCGA | 0.002719109 | 0.36464993 | 1.19518593 | -1.4030964 | 0.5741888 |
| ## | C8.A131.01TCGA | 0.545523704 | 5.72681129 | 0.19335806 | -0.5595478 | 1.0838919 |
| ## | AO.A12B.01TCGA | -0.030703477 | -2.42525691 | -0.03070348 | -0.9757761 | -2.4307999 |
| ## | BH.A18Q.02TCGA | -0.246249753 | 1.36622430 | -0.53060721 | -2.6047440 | 0.4696620 |
| ## | C8.A130.02TCGA | -1.094275583 | 0.08647721 | -0.60885499 | 0.1127162 | 1.1032366 |
| ## | C8.A138.03TCGA | -1.199258197 | 1.52165334 | 0.60005427 | -0.4458875 | -0.2666877 |
| ## | | NP_852480 | NP_775782 | NP_612435 | NP_001171597 | NP_003921 |
| ## | AO.A12D.01TCGA | -1.02211660 | -1.4145258 | -0.4849351 | 0.37607933 | -0.2563472 |
| ## | C8.A131.01TCGA | 1.01912577 | -0.4947817 | -0.2842919 | 1.78417527 | 2.3630222 |
| ## | AO.A12B.01TCGA | 0.72036594 | -1.0506059 | 0.8478537 | -2.60540271 | -1.4580125 |
| ## | BH.A18Q.02TCGA | 0.01803541 | NA | -0.3967919 | -0.59751485 | 2.4166742 |
| ## | C8.A130.02TCGA | -0.42518234 | NA | -1.2648288 | 0.08319734 | -0.7269303 |
| ## | C8.A138.03TCGA | -0.09845931 | -1.7368577 | 1.1998251 | -0.33617335 | -1.1370868 |
| ## | | NP_060357 | NP_001007 | NP_078822 | NP_116296 | NP_001252518 |
| ## | AO.A12D.01TCGA | -1.26213388 | 0.2808344 | 0.8751629 | 0.6503848 | 3.0200793 |
| ## | C8.A131.01TCGA | 0.14478349 | 0.3593212 | 1.0110300 | 0.1893102 | 0.3795606 |
| ## | AO.A12B.01TCGA | 0.60396404 | 0.2713872 | 0.1522138 | 0.2353580 | -0.8843174 |
| ## | BH.A18Q.02TCGA | 0.04814385 | -0.1592698 | 1.3595335 | -0.6175871 | -1.4305149 |
| ## | C8.A130.02TCGA | 0.25703039 | 1.5689779 | 0.1553545 | 1.7034526 | 0.5653381 |
| ## | C8.A138.03TCGA | -0.79331575 | -0.7018873 | 2.0226814 | -1.2504581 | 2.2165098 |
| ## | | NP_006045 | NP_078982 | NP_001120716 | NP_115646 | NP_079337 |
| ## | AO.A12D.01TCGA | 3.1381830 | -1.1745085 | 0.7951571 | -0.58398981 | 1.5075894 |
| ## | C8.A131.01TCGA | 0.4929013 | -0.4704944 | 1.5858291 | -0.12237665 | 1.9420426 |
| ## | AO.A12B.01TCGA | -0.9702331 | -0.7318864 | -1.4635555 | 0.01918305 | -0.9646902 |
| ## | BH.A18Q.02TCGA | -1.3702981 | -1.3401896 | 0.4562804 | 2.73114010 | -0.7681293 |
| ## | C8.A130.02TCGA | 0.5325394 | 1.1655541 | -0.6318141 | -0.55309722 | -0.5104589 |
| ## | C8.A138.03TCGA | 2.2165098 | 1.3497678 | -0.9652013 | 2.14336700 | 1.5253105 |
| ## | | NP_001127948 | NP_004487 | NP_004488 | NP_001263236 | NP_001263248 |
| ## | AO.A12D.01TCGA | -1.2735633 | -0.7706699 | -1.0335460 | 0.9551686 | 0.9551686 |
| ## | C8.A131.01TCGA | 3.4235670 | -0.5959787 | -2.5430094 | -0.3773931 | -0.3773931 |
| ## | AO.A12B.01TCGA | -2.3476556 | 1.6072376 | 3.6636712 | 2.2280477 | 2.2280477 |
| ## | BH.A18Q.02TCGA | | NA | -5.5486800 | -5.2308687 | -2.0594467 |
| ## | C8.A130.02TCGA | | NA | 1.1130762 | 1.6444149 | -0.1267143 |
| ## | C8.A138.03TCGA | 0.1502262 | 0.6183400 | 0.7938826 | -0.2484020 | -0.2484020 |
| ## | | NP_001171986 | NP_004260 | NP_001240811 | NP_055210 | NP_690876 |
| ## | AO.A12D.01TCGA | 0.9285001 | -0.45064687 | -0.4506469 | -1.0183068 | 1.7552263 |
| ## | C8.A131.01TCGA | -0.3692974 | -0.56359567 | -0.5635957 | -0.4097762 | -1.0776765 |
| ## | AO.A12B.01TCGA | 1.6709815 | -0.51293993 | -0.5129399 | -0.3605089 | 2.4525371 |
| ## | BH.A18Q.02TCGA | -1.8018523 | 0.02807156 | 0.2488668 | 2.5571802 | -0.8751815 |
| ## | C8.A130.02TCGA | -0.1267143 | 0.25375052 | 0.2537505 | -1.7272903 | 1.0671580 |
| ## | C8.A138.03TCGA | -0.3654305 | 1.00599672 | 1.0133110 | -0.5007446 | 1.8690816 |
| ## | | NP_001098673 | NP_055143 | NP_001265157 | NP_057310 | NP_476528 |
| ## | AO.A12D.01TCGA | -3.1441742 | -3.45276783 | -3.4527678 | -0.26777656 | -0.47350566 |
| ## | C8.A131.01TCGA | -0.4543029 | -1.05743714 | -1.0574371 | 0.31884237 | 0.44432668 |
| ## | AO.A12B.01TCGA | 0.9975133 | 0.90051174 | 0.9005117 | 0.35730287 | 0.44599003 |
| ## | BH.A18Q.02TCGA | -1.9724668 | -1.93901297 | -1.9390130 | 0.33584669 | 0.19534065 |

```

## C8.A130.02TCGA -1.3107469 -1.54689749 -1.5468975 -0.04143768 0.06679799
## C8.A138.03TCGA -0.4129733 -0.04725936 -0.3069162 -0.59583023 -0.41663041
## NP_853553 NP_114408 NP_695005 NP_997715 NP_954699
## A0.A12D.01TCGA 0.4598949 -0.1801512 0.1474914 -0.2525374 -0.4582665
## C8.A131.01TCGA 0.4686140 0.1488314 0.2621720 0.7438699 0.9300724
## A0.A12B.01TCGA -1.4469266 0.8533967 -0.4907681 0.4487615 0.1244991
## BH.A18Q.02TCGA -0.9153261 0.3057383 -0.1358522 -0.2830490 -0.5004988
## C8.A130.02TCGA -1.1172347 -0.7826880 -0.6711725 1.0999567 -0.5202985
## C8.A138.03TCGA 1.1998251 0.1685119 1.3387964 -0.1094307 -0.3178877
## NP_001137381 NP_056385 NP_056227 NP_001011713 NP_001346
## A0.A12D.01TCGA -1.22022610 2.4828977 -1.4602434 0.9094511 0.4408459
## C8.A131.01TCGA 0.49694913 1.6060685 -0.2235737 0.1933581 -0.8631389
## A0.A12B.01TCGA -2.93520810 -0.6487422 -1.7240740 0.7148230 2.9098303
## BH.A18Q.02TCGA 0.01803541 -8.4591622 -2.4742741 -1.1528482 -0.6410048
## C8.A130.02TCGA -0.14967335 2.5070204 0.8375672 0.2832693 -0.1168747
## C8.A138.03TCGA -0.29960196 2.3115954 0.2672546 0.8341112 -0.1606307
## NP_001138403 NP_689629 NP_003339 NP_001258558 NP_001165365
## A0.A12D.01TCGA 0.66943379 1.21804472 -0.3820705 0.9589784 1.6904597
## C8.A131.01TCGA -1.57961378 0.74386987 -0.5919308 0.8005402 2.0958621
## A0.A12B.01TCGA 3.63595646 1.45203505 -0.2302496 -0.1471054 0.7813384
## BH.A18Q.02TCGA -0.72129398 1.75428860 -0.1425429 0.2823206 -0.1358522
## C8.A130.02TCGA -0.08735584 -0.45142129 3.4942610 0.1619142 0.2406310
## C8.A138.03TCGA -0.95057273 -0.01800225 0.2709117 -1.1188011 -0.8664585
## NP_005578 NP_001180276 NP_002388 NP_057455 NP_061867
## A0.A12D.01TCGA 1.690459696 2.0371513 2.037151 0.50561247 -0.02394948
## C8.A131.01TCGA 2.095862099 2.2577773 2.257777 0.81673173 -1.66866716
## A0.A12B.01TCGA 0.781338369 1.0806575 1.080658 -1.11157829 -0.25519286
## BH.A18Q.02TCGA -0.169305970 1.8245416 2.423365 -1.63458323 0.36595513
## C8.A130.02TCGA -0.002079251 0.2832693 0.240631 -0.26118889 1.05075866
## C8.A138.03TCGA -0.497087477 -0.8664585 -1.206572 0.07708337 -0.39834472
## NP_060674 NP_036294 NP_006485 NP_001138784 NP_005231
## A0.A12D.01TCGA 1.9342868 -1.075454 0.0217681 NA NA
## C8.A131.01TCGA 4.5853089 1.638452 0.8248275 NA NA
## A0.A12B.01TCGA -2.0178502 -1.455241 0.5873352 NA NA
## BH.A18Q.02TCGA -0.8651454 -0.353302 1.4900034 -0.2997759 NA
## C8.A130.02TCGA 1.4017046 -1.504259 -0.4219025 0.1323954 NA
## C8.A138.03TCGA -0.1642878 2.044624 0.4025688 -0.2813163 -0.668973
## NP_036250 NP_060741 NP_059116 NP_787071 NP_694992
## A0.A12D.01TCGA -0.83543649 -0.7897189 -0.07728665 -0.2601570 -0.54208203
## C8.A131.01TCGA -0.08189784 -2.4822912 0.86530630 -0.2478610 1.18508889
## A0.A12B.01TCGA 1.23308861 0.1189561 0.04412632 1.5074645 0.90328322
## BH.A18Q.02TCGA -0.97888838 -1.3201173 -1.36695268 -1.1561936 0.24886676
## C8.A130.02TCGA -1.01227886 -1.3632248 -0.26446876 0.7030926 -1.72401041
## C8.A138.03TCGA -2.08794301 -0.3215448 1.46679625 0.9950253 -0.01800225
## NP_002519 NP_031388 NP_005080 NP_003089 NP_079140
## A0.A12D.01TCGA -2.0812405 0.5170419 0.1970188 -0.9763990 -1.32309065
## C8.A131.01TCGA -1.0331499 -0.2640525 -0.7214630 -0.1223767 -2.28799295
## A0.A12B.01TCGA 0.5901067 -0.4685963 -2.8576068 1.7319539 -0.34665150
## BH.A18Q.02TCGA 0.6871118 0.4495897 -0.1258160 -0.6744586 -1.46062337
## C8.A130.02TCGA -0.5629368 0.5259796 -0.6842920 -0.9532412 0.05367852
## C8.A138.03TCGA 0.4976544 0.8121683 0.8194826 -1.0017727 -3.14851337
## NP_057517 NP_079356 NP_056278 NP_001078906 NP_079137
## A0.A12D.01TCGA 0.3570303 3.9725288 -0.59922900 6.4260388 6.3727016
## C8.A131.01TCGA 0.3066987 -1.5634223 1.41581810 2.7961455 2.6585175

```

```

## A0.A12B.01TCGA -0.8455168 -2.3504271 -2.25619700 -0.8455168 -0.2163922
## BH.A18Q.02TCGA 0.4428989 -0.5205711 0.08494305 -1.3435350 -2.3136957
## C8.A130.02TCGA -0.6219745 -1.4222625 0.34558685 0.6506147 0.3226278
## C8.A138.03TCGA -0.9615442 1.6350247 -0.62874449 2.0007386 1.7959388
## NP_612367 NP_005844 NP_150366 NP_077312 NP_077313
## A0.A12D.01TCGA 0.6884828 0.46370469 -0.5458918 -0.3820705 -0.04680827
## C8.A131.01TCGA -0.5028775 -0.39763255 -0.6040745 -0.4057283 -1.38126762
## A0.A12B.01TCGA 0.1771571 1.62663790 3.4890683 1.6848389 2.53013838
## BH.A18Q.02TCGA -0.6644225 0.04479847 -0.5540249 0.5733688 0.84769012
## C8.A130.02TCGA 1.2377112 0.16519406 0.2865492 0.1651941 0.39478488
## C8.A138.03TCGA 0.7938826 -0.65434446 -4.4211978 -0.6104588 -2.23057144
## NP_001265562 NP_060342 NP_079021 NP_061856 NP_060738
## A0.A12D.01TCGA -0.56113102 -0.2677766 -0.7935287 -0.6297074 -0.05823766
## C8.A131.01TCGA -0.03332327 -0.6121702 1.3186690 -1.8710612 -0.53121262
## A0.A12B.01TCGA 3.29783665 1.9675292 -1.1198927 -0.6819998 -2.10376594
## BH.A18Q.02TCGA 2.16911595 -0.2261775 0.9145978 1.2926259 0.54660575
## C8.A130.02TCGA 0.67357374 -0.7138108 0.1783135 1.3426670 -0.88764385
## C8.A138.03TCGA -2.23057144 0.8926254 -0.2959448 -0.8847442 0.32942597
## NP_057088 NP_056502 NP_077733 NP_006546 NP_036308
## A0.A12D.01TCGA -0.8049581 1.1380390 -0.8963933 1.4618718 -0.89258346
## C8.A131.01TCGA -1.2679270 0.9341203 -1.7496248 1.5048715 -0.07380208
## A0.A12B.01TCGA 2.1199603 -0.5683694 0.7369948 -1.4912702 1.00305628
## BH.A18Q.02TCGA -1.8419969 -0.1893783 3.3098912 -1.1327759 -0.27301281
## C8.A130.02TCGA -0.9696406 0.5620582 -0.2874278 0.9392431 -2.55053736
## C8.A138.03TCGA 1.4411963 1.4667963 -1.2760581 0.1685119 -0.53365887
## NP_059107 NP_001026849 NP_490595 NP_001766 NP_002612
## A0.A12D.01TCGA -1.1859379 1.7628459 -0.06204746 1.95714557 1.2142349
## C8.A131.01TCGA -2.5146743 1.2498550 0.22169323 0.98674273 4.1845687
## A0.A12B.01TCGA 1.2469460 -1.4524696 0.18824296 -1.75178875 -1.6464727
## BH.A18Q.02TCGA -0.3265389 1.2223729 -3.80908143 1.39633274 -0.7781655
## C8.A130.02TCGA -0.3038272 0.3193479 0.24719078 -1.64201368 -0.4383018
## C8.A138.03TCGA 0.9840539 1.6094247 1.06085381 0.04416912 -2.5597140
## NP_057136 NP_056492 NP_055679 NP_065850 NP_001203
## A0.A12D.01TCGA -0.5497016 2.70005621 2.3914626 0.48275368 -1.9021800
## C8.A131.01TCGA -1.2881664 -0.01713175 0.5050449 0.69934318 -1.3691240
## A0.A12B.01TCGA -2.6469748 -0.54896909 0.6898797 -1.62430096 3.4170100
## BH.A18Q.02TCGA -1.4171334 NA -0.3365751 -0.34661121 -0.3499566
## C8.A130.02TCGA 1.3492267 NA -1.4222625 -0.40878299 0.8014886
## C8.A138.03TCGA -0.3581162 -0.39103044 -0.5848588 0.04416912 -0.9432585
## NP_000973 NP_078912 XP_003960227 NP_001238994 NP_444281
## A0.A12D.01TCGA 0.4103675 3.9420504 -0.78209931 1.32852887 -0.8430561
## C8.A131.01TCGA 1.9015638 0.3431297 -0.52716474 0.87340206 -0.1669033
## A0.A12B.01TCGA -0.6653710 -1.8681907 -0.06673264 0.98088449 0.3434455
## BH.A18Q.02TCGA -0.8417277 -3.8626075 0.36930051 -1.88548686 0.1016700
## C8.A130.02TCGA 1.6148961 -4.7414898 1.11635603 -0.07751624 0.1487947
## C8.A138.03TCGA -0.2118306 -3.2911418 -0.93594418 3.44165140 -0.5409731
## NP_115498 NP_060923 NP_036463 NP_061036 NP_005841
## A0.A12D.01TCGA -0.1306238 -0.6944740 -0.07728665 -0.8316267 -0.30587454
## C8.A131.01TCGA 0.3917042 -1.3326930 1.45224903 3.2616518 -0.49882958
## A0.A12B.01TCGA 0.6289073 1.0224566 -0.60994152 -0.5489691 -0.63488478
## BH.A18Q.02TCGA -0.8417277 -1.1428121 -0.09905295 -3.3273464 1.12201143
## C8.A130.02TCGA -0.1004753 0.8146081 -1.42226247 0.7719698 0.04055904
## C8.A138.03TCGA 0.5049687 1.6898817 -1.89777178 0.1794833 -0.25205915
## NP_001138785 NP_001025030 NP_001171172 NP_001007528 NP_775858

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | A0.A12D.01TCGA | -1.8907506 | -1.3688082 | 1.07708219 | 0.42941650 | 1.3666269 |
| ## | C8.A131.01TCGA | -1.0007668 | -0.5919308 | 0.01929918 | 0.03549071 | 0.5050449 |
| ## | A0.A12B.01TCGA | 1.9841580 | 1.1915165 | 0.04412632 | 0.07184106 | -0.3327941 |
| ## | BH.A18Q.02TCGA | -0.9889245 | -0.3901012 | -0.58078794 | -1.54425791 | -0.1224706 |
| ## | C8.A130.02TCGA | 1.4312234 | 0.5325394 | 0.71293216 | -1.26810863 | 0.2471908 |
| ## | C8.A138.03TCGA | NA | -1.0237155 | -2.62554247 | 2.94428048 | 0.6146828 |
| ## | | NP_001207417 | NP_001073005 | NP_079504 | NP_001153880 | NP_004154 |
| ## | A0.A12D.01TCGA | 0.3494107 | 0.1932090 | NA | -0.4925547 | 1.625693 |
| ## | C8.A131.01TCGA | 3.3830882 | 0.2945551 | NA | -0.9157613 | -2.255610 |
| ## | A0.A12B.01TCGA | -1.2750952 | 0.6011926 | NA | -1.1503789 | -1.474641 |
| ## | BH.A18Q.02TCGA | -0.6644225 | 0.4495897 | 2.4400919 | 0.2287945 | -4.678881 |
| ## | C8.A130.02TCGA | 0.1717538 | -0.9171627 | -1.1467535 | 0.4079044 | -4.518459 |
| ## | C8.A138.03TCGA | -0.9322870 | 0.1538833 | -0.9725156 | 1.6350247 | 2.607824 |
| ## | | NP_899058 | NP_001129673 | NP_001129674 | NP_001032895 | NP_001002926 |
| ## | A0.A12D.01TCGA | 0.5741888 | 1.19518593 | 0.9246903 | 0.6961024 | 0.5703790 |
| ## | C8.A131.01TCGA | 2.4318362 | -0.77813336 | -0.5919308 | 0.9017372 | 0.4362309 |
| ## | A0.A12B.01TCGA | -0.6071700 | 2.98743157 | 1.8566702 | -0.5267973 | -0.7429723 |
| ## | BH.A18Q.02TCGA | 1.1420837 | 0.03141694 | 0.1050153 | -0.3399204 | -0.9119807 |
| ## | C8.A130.02TCGA | -2.4849400 | 1.05403852 | 0.6670140 | -0.1267143 | 0.4833413 |
| ## | C8.A138.03TCGA | 1.7959388 | -1.62714348 | -1.4772008 | 0.3221117 | -0.7055444 |
| ## | | NP_055113 | NP_060516 | NP_001026887 | NP_005988 | NP_002787 |
| ## | A0.A12D.01TCGA | 1.1913761 | 0.5018027 | 1.8999986 | -0.17253161 | -0.2220590 |
| ## | C8.A131.01TCGA | 2.7030442 | 0.2338369 | 0.1731187 | -0.49073381 | -0.6202660 |
| ## | A0.A12B.01TCGA | -1.7739605 | 0.6787938 | -1.8848195 | 0.44044708 | 1.1305441 |
| ## | BH.A18Q.02TCGA | -3.2872019 | -1.0825952 | 1.2357544 | -1.06921369 | 0.2154129 |
| ## | C8.A130.02TCGA | -2.7374899 | -0.5924556 | -1.4583410 | 0.25375052 | 0.3816654 |
| ## | C8.A138.03TCGA | 0.1173119 | 0.1246262 | 1.7447388 | -0.02165938 | 0.1831404 |
| ## | | NP_005928 | NP_001036046 | NP_061029 | NP_001186673 | NP_954630 |
| ## | A0.A12D.01TCGA | -1.3649984 | -0.50398405 | 0.3341715 | 1.0008862 | 5.0583213 |
| ## | C8.A131.01TCGA | -0.1385682 | 0.27431568 | -0.1021372 | 1.4279617 | 2.4277883 |
| ## | A0.A12B.01TCGA | 0.4459900 | -0.54065467 | 0.4071894 | -2.4197140 | -2.6996328 |
| ## | BH.A18Q.02TCGA | -4.0131497 | 0.01469003 | -2.3538403 | 0.2221037 | 1.8345778 |
| ## | C8.A130.02TCGA | 2.0806375 | 1.12947551 | 0.4439829 | 1.6837733 | 0.2537505 |
| ## | C8.A138.03TCGA | 0.5305686 | -0.50805889 | 0.4464544 | -2.1208573 | -3.0680563 |
| ## | | NP_110381 | NP_001120852 | NP_001035147 | NP_000573 | NP_001035149 |
| ## | A0.A12D.01TCGA | 4.85259217 | 5.1421368 | -1.723119 | -1.723119 | -1.612635 |
| ## | C8.A131.01TCGA | 2.62613450 | 1.9703778 | -3.769517 | -3.769517 | -2.615871 |
| ## | A0.A12B.01TCGA | -3.58927593 | -4.2267149 | -4.343117 | -4.343117 | -3.722307 |
| ## | BH.A18Q.02TCGA | 2.34642119 | 2.5337626 | -4.652118 | -4.565138 | -4.732407 |
| ## | C8.A130.02TCGA | -0.08735584 | 0.2931089 | -1.287788 | -1.123794 | -1.304187 |
| ## | C8.A138.03TCGA | -7.44930903 | -12.9569606 | -2.530457 | -2.424400 | -2.424400 |
| ## | | NP_001026881 | NP_008966 | NP_005611 | NP_057230 | NP_001005505 |
| ## | A0.A12D.01TCGA | 2.917215 | 0.9056413 | 2.09810810 | -0.33635293 | 0.1246326 |
| ## | C8.A131.01TCGA | -2.154413 | 2.2537295 | 0.71148682 | -0.43811136 | -1.1586342 |
| ## | A0.A12B.01TCGA | -1.469098 | -3.7195352 | -1.54669969 | 0.49864803 | 2.6049682 |
| ## | BH.A18Q.02TCGA | -4.404559 | -4.4815032 | 1.17219216 | 0.40944509 | NA |
| ## | C8.A130.02TCGA | -3.065477 | -0.8646848 | 0.02743957 | -0.38254404 | NA |
| ## | C8.A138.03TCGA | 3.225880 | -0.1167450 | 1.25833932 | -0.08748789 | 1.3461107 |
| ## | | NP_000371 | NP_079198 | NP_003834 | NP_659001 | NP_001154178 |
| ## | A0.A12D.01TCGA | -0.6639956 | 5.0887997 | 4.0106268 | 4.010627 | 4.010627 |
| ## | C8.A131.01TCGA | 0.8045881 | 0.2297890 | 1.6344037 | 1.634404 | 1.634404 |
| ## | A0.A12B.01TCGA | 0.7951957 | -1.1559219 | -1.3443821 | -1.344382 | -1.344382 |
| ## | BH.A18Q.02TCGA | 0.1317784 | -0.5841333 | -2.2066435 | -3.116587 | -3.116587 |
| ## | C8.A130.02TCGA | -0.2218305 | -0.4317421 | -0.3267863 | -1.028678 | -1.028678 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|-------------|
| ## | C8.A138.03TCGA | 0.3038260 | 3.5147942 | 3.2075945 | 3.207594 | 3.207594 |
| ## | | NP_115522 | NP_110386 | NP_001852 | NP_055501 | NP_005379 |
| ## | A0.A12D.01TCGA | -0.5001742 | 0.4065577 | 2.1819237 | 0.1741600 | 0.83325511 |
| ## | C8.A131.01TCGA | -1.9924976 | 2.2334901 | 0.3957521 | 1.2053283 | -0.21547791 |
| ## | A0.A12B.01TCGA | 0.3711602 | -1.2473805 | -1.7379314 | 0.4570759 | -0.66537099 |
| ## | BH.A18Q.02TCGA | 0.6670395 | 0.2957021 | 0.4763527 | -6.1006680 | -0.43693652 |
| ## | C8.A130.02TCGA | -1.0319581 | 0.6178160 | -0.5104589 | -0.6318141 | 1.79856876 |
| ## | C8.A138.03TCGA | 2.1360527 | 0.5598257 | 2.3006240 | 0.3623402 | 0.08074051 |
| ## | | NP_078800 | NP_002654 | NP_001007524 | NP_009146 | NP_071409 |
| ## | A0.A12D.01TCGA | 2.3038372 | 1.5152090 | 0.1589208 | -1.2354653 | -0.1801512 |
| ## | C8.A131.01TCGA | 0.3876563 | 1.3348605 | -0.0697542 | -1.6808108 | 1.5332066 |
| ## | A0.A12B.01TCGA | -1.4358407 | 1.3966056 | 1.2164598 | 0.8284534 | 2.3777073 |
| ## | BH.A18Q.02TCGA | 1.3327705 | 0.3860274 | 0.1786137 | -0.2462498 | 1.6271641 |
| ## | C8.A130.02TCGA | -0.8909237 | -1.2517093 | 0.2209518 | -0.5596570 | 0.4144641 |
| ## | C8.A138.03TCGA | 2.0885099 | 2.0226814 | -1.6161721 | -0.3398305 | 0.7975398 |
| ## | | NP_001258570 | NP_009197 | NP_057049 | NP_054779 | NP_570981 |
| ## | A0.A12D.01TCGA | 0.5779986 | -1.0449754 | -1.4945316 | -0.03918867 | -0.24110797 |
| ## | C8.A131.01TCGA | -1.2153045 | -0.2195258 | -0.4097762 | -1.21125662 | 1.05150882 |
| ## | A0.A12B.01TCGA | -2.4113995 | -0.2912220 | -1.6437013 | 0.47647624 | -0.61825594 |
| ## | BH.A18Q.02TCGA | 1.1454291 | -0.5239164 | 0.9012162 | -0.63096867 | -0.60420561 |
| ## | C8.A130.02TCGA | -0.2808681 | 0.6637341 | 0.1881531 | 0.49646082 | -0.08735584 |
| ## | C8.A138.03TCGA | 2.1872527 | 0.2343404 | -0.6836016 | 0.65491136 | 0.97308247 |
| ## | | NP_115861 | NP_056263 | NP_006592 | NP_003705 | NP_665683 |
| ## | A0.A12D.01TCGA | -0.34778232 | -0.9611598 | -0.66399557 | -8.077863 | -2.782243 |
| ## | C8.A131.01TCGA | 1.05150882 | 0.4524224 | -2.00464128 | -10.023493 | -3.514501 |
| ## | A0.A12B.01TCGA | -0.51571141 | 0.6039640 | 0.96979859 | -3.647477 | -2.511173 |
| ## | BH.A18Q.02TCGA | -0.81496467 | -1.9089045 | 0.04479847 | -1.002306 | 8.889988 |
| ## | C8.A130.02TCGA | -0.09719545 | 0.6768536 | -0.57605630 | -1.560017 | -1.546897 |
| ## | C8.A138.03TCGA | 1.00599672 | 1.6862246 | 2.10679561 | -3.272856 | -4.337084 |
| ## | | NP_000837 | NP_000838 | NP_714543 | NP_037470 | NP_002345 |
| ## | A0.A12D.01TCGA | -2.782243 | NA | NA | 3.2448573 | 0.8370649 |
| ## | C8.A131.01TCGA | -3.514501 | NA | NA | 0.5252843 | 1.5008236 |
| ## | A0.A12B.01TCGA | -2.511173 | NA | NA | -0.5655979 | -0.5378832 |
| ## | BH.A18Q.02TCGA | 8.709337 | 9.348305 | 8.8732612 | 0.2756298 | -3.0463344 |
| ## | C8.A130.02TCGA | -1.963441 | -1.704331 | -0.9532412 | -2.0454376 | -0.8450055 |
| ## | C8.A138.03TCGA | -4.337084 | -5.031940 | -4.3517122 | 2.6992522 | 2.0336528 |
| ## | | NP_066932 | NP_066926 | NP_064580 | NP_001001548 | NP_060310 |
| ## | A0.A12D.01TCGA | -0.85067568 | 1.1418488 | -3.9328024 | -4.8319148 | -0.99925781 |
| ## | C8.A131.01TCGA | 2.73542729 | 3.2373645 | 0.4362309 | -2.0451201 | -1.34483669 |
| ## | A0.A12B.01TCGA | -2.82157767 | -2.7273476 | 2.2751628 | -4.2322579 | 2.14767499 |
| ## | BH.A18Q.02TCGA | -0.26632204 | -1.1829567 | -1.9791576 | -0.6108964 | 0.61685877 |
| ## | C8.A130.02TCGA | 0.01104023 | -0.1660727 | 0.0241597 | -2.7046912 | -0.05455715 |
| ## | C8.A138.03TCGA | -0.04360222 | -0.9286299 | 0.2891974 | -2.8083994 | -1.18097250 |
| ## | | NP_444280 | NP_054899 | NP_055153 | NP_002403 | NP_055190 |
| ## | A0.A12D.01TCGA | -0.004900488 | -0.073476855 | 0.2008286 | -2.3745949 | -0.8240071 |
| ## | C8.A131.01TCGA | 0.403847871 | -1.191017215 | 0.9057851 | -0.3976326 | 0.8572105 |
| ## | A0.A12B.01TCGA | 0.462618873 | 1.499150102 | 0.8367678 | -0.8870889 | -1.7711891 |
| ## | BH.A18Q.02TCGA | -0.938743798 | 0.603477240 | 1.5134211 | -0.3231935 | 0.2455214 |
| ## | C8.A130.02TCGA | -0.323506400 | -0.395663515 | 0.9195639 | 2.2938290 | 0.8014886 |
| ## | C8.A138.03TCGA | -0.135030700 | -0.007030829 | -1.4881722 | 2.6590236 | -1.9050861 |
| ## | | NP_060263 | NP_004424 | NP_001193545 | NP_068577 | NP_057543 |
| ## | A0.A12D.01TCGA | -0.2792060 | 1.0656528 | 0.31512256 | -1.0830734 | 1.60283434 |
| ## | C8.A131.01TCGA | 0.3026508 | -0.4138241 | 1.42391387 | -2.4215730 | -0.09404148 |
| ## | A0.A12B.01TCGA | -0.5877697 | -1.9291631 | -0.34942297 | 0.5014195 | -2.05942235 |

```

## BH.A18Q.02TCGA 0.2923567 0.3325013 4.14289125 -2.7653223 1.36622430
## C8.A130.02TCGA 0.1815934 -0.4907797 -0.59245565 -4.2101510 -1.62233447
## C8.A138.03TCGA 0.0514834 -0.8554871 0.04416912 1.3790249 -1.23582959
## NP_001165161 NP_001001414 NP_001285 NP_037486 NP_001108072
## AO.A12D.01TCGA -4.6757130 7.9423385 2.82958935 0.04081709 0.2122580
## C8.A131.01TCGA -4.3119334 1.9137075 -0.01713175 -0.01713175 0.5900504
## AO.A12B.01TCGA 0.2381295 -1.8959054 -2.15088099 0.60950699 0.0773840
## BH.A18Q.02TCGA -1.9858483 1.5234573 -0.81496467 -0.04218146 -1.0591775
## C8.A130.02TCGA -4.3052672 -3.1573131 -0.39894338 -0.26118889 1.1458749
## C8.A138.03TCGA -3.7958270 -0.6836016 0.87433971 0.15754043 0.5122829
## NP_001903 NP_000026 NP_000518 NP_660308 NP_112487
## AO.A12D.01TCGA -0.02775928 -3.1517938 NA -0.5077938 -0.04299847
## C8.A131.01TCGA 3.98622249 -0.3004834 NA 1.9825214 -0.31667493
## AO.A12B.01TCGA -1.11434976 -3.4756455 NA 0.9503983 0.01641158
## BH.A18Q.02TCGA 0.41948124 -3.9529329 NA 0.4462443 -1.19299282
## C8.A130.02TCGA -0.26118889 -0.2775882 NA -0.7236504 2.12983551
## C8.A138.03TCGA -0.49708748 2.5383380 0.2891974 -1.0420012 -1.05297263
## NP_057395 NP_569055 NP_006058 NP_009101 NP_055728
## AO.A12D.01TCGA 0.4903733 0.9856470 1.05422340 NA 1.3551975
## C8.A131.01TCGA -2.5470573 -0.3004834 0.64672073 NA 0.5050449
## AO.A12B.01TCGA 1.8677561 0.1688426 -0.01407463 NA -0.7097146
## BH.A18Q.02TCGA -5.5553708 0.3960636 0.26224829 -0.4168642 -1.3569165
## C8.A130.02TCGA -1.2451496 0.4046245 0.10943629 -0.8679646 -0.8154867
## C8.A138.03TCGA 1.9385672 0.5598257 -0.15697353 NA 0.4501116
## NP_116211 NP_443109 NP_001009 NP_003621 NP_006105
## AO.A12D.01TCGA -0.7097131 -0.67542497 1.2142349 1.5190188 -0.8049581
## C8.A131.01TCGA -1.0898202 -0.77813336 -0.6850321 -0.4947817 0.2581242
## AO.A12B.01TCGA -1.4386122 -1.03951997 0.7342233 -3.5892759 0.2409010
## BH.A18Q.02TCGA -2.3036596 -0.08232604 -0.1258160 0.3325013 -0.4837719
## C8.A130.02TCGA 1.4082644 0.82444770 0.6899731 -1.3271463 0.1323954
## C8.A138.03TCGA -0.6177731 -0.35080191 0.1794833 1.8507959 0.3111403
## NP_055891 NP_001251 NP_006415 NP_001171469 NP_068766
## AO.A12D.01TCGA 0.06748568 0.64276520 2.700056 2.700056 -3.81088885
## C8.A131.01TCGA 0.34717754 0.41194363 1.023174 1.023174 0.05573011
## AO.A12B.01TCGA -0.65705657 -0.26627876 -3.636391 -3.636391 2.87657262
## BH.A18Q.02TCGA 4.28005190 2.55383486 NA NA -0.10908910
## C8.A130.02TCGA 0.47350173 1.30986830 NA NA -0.04143768
## C8.A138.03TCGA -0.23743060 -0.07285933 NA NA -2.77548518
## NP_001003789 NP_009013 NP_057059 NP_003178 NP_056346
## AO.A12D.01TCGA -0.3744509 -0.4354077 -1.3688082 -1.3726180 -0.3630215
## C8.A131.01TCGA -0.3571537 -0.3409622 -0.4745423 -0.7619418 -0.4543029
## AO.A12B.01TCGA 1.1554873 0.9642556 0.3545314 0.7175945 0.9725701
## BH.A18Q.02TCGA 0.3391921 1.1554652 -0.1994144 0.4395535 -1.7985069
## C8.A130.02TCGA -0.7892478 -0.7531692 0.8867652 0.3062284 -0.3366259
## C8.A138.03TCGA -0.2666877 -0.3434876 -0.3142305 -0.5592588 0.4427973
## NP_057174 NP_000051 NP_001073906 NP_036296 NP_112199
## AO.A12D.01TCGA 0.6275260 -0.96877942 0.2732148 -0.13062383 0.246546191
## C8.A131.01TCGA -0.7295588 -0.02522751 0.6062419 -0.03737115 0.472661847
## AO.A12B.01TCGA 1.2386316 -1.11989271 -1.7601032 -1.93470603 0.504190981
## BH.A18Q.02TCGA 1.7107986 0.03476232 -2.5880171 -1.31342657 0.004653887
## C8.A130.02TCGA -0.8646848 1.54601885 -0.3825440 0.05039865 0.755570457
## C8.A138.03TCGA 0.3513688 0.46474012 -0.2118306 0.34405453 -0.233773457
## NP_064703 NP_001157940 NP_001008240 NP_659492 NP_079469
## AO.A12D.01TCGA 0.17035023 1.2790015 -1.11355175 -1.00306761 NA

```


| | | | | | | |
|----|----------------|--------------|--------------|-------------|-------------|--------------|
| ## | C8.A131.01TCGA | 0.60219404 | -0.4583508 | -1.32864517 | -1.51079981 | NA |
| ## | A0.A12B.01TCGA | 0.55962046 | 1.1915165 | -0.09999032 | -0.09999032 | NA |
| ## | BH.A18Q.02TCGA | 0.19868604 | 1.2156821 | 0.11170611 | -0.04218146 | -2.2300612 |
| ## | C8.A130.02TCGA | 0.03071944 | -1.5928157 | -0.25462915 | 0.23735118 | -0.6121349 |
| ## | C8.A138.03TCGA | -0.37274474 | 1.5143391 | -1.80268616 | -1.85754325 | 1.1888537 |
| ## | | NP_006850 | NP_001010923 | NP_077718 | NP_689837 | NP_001152850 |
| ## | A0.A12D.01TCGA | -0.9573500 | -0.5230330 | -1.1935575 | -0.36683131 | 0.05605628 |
| ## | C8.A131.01TCGA | -0.8793304 | 0.9057851 | -1.2436397 | 0.84101901 | 0.37551271 |
| ## | A0.A12B.01TCGA | 1.0945149 | 2.2613054 | -0.4907681 | -0.58222678 | -0.48245372 |
| ## | BH.A18Q.02TCGA | -1.0424506 | 2.2694774 | 0.9045616 | 0.82092706 | 0.52653346 |
| ## | C8.A130.02TCGA | 1.2049125 | -0.5957355 | 0.7457309 | 0.09631682 | 0.81132823 |
| ## | C8.A138.03TCGA | -1.6820006 | 0.2306832 | -0.6726302 | 0.91091110 | -1.51377217 |
| ## | | NP_001152849 | NP_001152852 | NP_060308 | NP_054905 | NP_060378 |
| ## | A0.A12D.01TCGA | 0.05605628 | 0.3875087 | -0.5801800 | -0.70590335 | -1.2773731 |
| ## | C8.A131.01TCGA | 0.37551271 | 0.5617152 | -1.7496248 | 0.72363046 | -2.7858823 |
| ## | A0.A12B.01TCGA | -0.48245372 | -0.3854521 | -1.3138959 | 0.13835643 | 0.9725701 |
| ## | BH.A18Q.02TCGA | 1.32273434 | 1.3227343 | -0.1191252 | 0.03476232 | -2.7853946 |
| ## | C8.A130.02TCGA | 0.21767196 | 0.2176720 | 0.8966048 | -0.09391558 | 0.6112562 |
| ## | C8.A138.03TCGA | -1.27971526 | -1.2797153 | -0.3617733 | -0.27034485 | 0.2306832 |
| ## | | NP_001243338 | NP_258257 | NP_005362 | NP_075422 | NP_001168 |
| ## | A0.A12D.01TCGA | 0.1246326 | 0.021768100 | 0.06748568 | NA | 2.0371513 |
| ## | C8.A131.01TCGA | 0.9179287 | -0.000940222 | -1.05338926 | NA | 0.3390818 |
| ## | A0.A12B.01TCGA | 0.1438994 | 0.498648033 | -1.13652155 | NA | -0.1249336 |
| ## | BH.A18Q.02TCGA | 0.2957021 | 0.258902908 | 1.37291507 | -1.55094868 | -0.1090891 |
| ## | C8.A130.02TCGA | 1.0474788 | 2.008480364 | 1.57553767 | 2.36270620 | -0.8843640 |
| ## | C8.A138.03TCGA | 0.2343404 | -1.290686676 | -0.47514464 | 0.09902621 | 1.2839393 |
| ## | | NP_060734 | NP_001138912 | NP_067036 | NP_056265 | NP_001026870 |
| ## | A0.A12D.01TCGA | 1.0008862 | NA | -1.14783994 | -0.03918867 | NA |
| ## | C8.A131.01TCGA | 0.3755127 | NA | -0.07784996 | 0.56171523 | NA |
| ## | A0.A12B.01TCGA | -0.1720486 | NA | -1.95687782 | 0.06906958 | NA |
| ## | BH.A18Q.02TCGA | -0.5607156 | 0.06487076 | 2.82146541 | 0.34922822 | -1.3937157 |
| ## | C8.A130.02TCGA | 0.1127162 | 0.65061465 | 0.77524967 | 0.05695839 | -1.4321021 |
| ## | C8.A138.03TCGA | 2.1250813 | NA | -0.57754454 | 0.09536907 | -0.7713729 |
| ## | | NP_001010982 | NP_660358 | NP_689497 | NP_000980 | NP_001005340 |
| ## | A0.A12D.01TCGA | 1.70569889 | -0.14967282 | 1.11518017 | 0.51704186 | -1.87551139 |
| ## | C8.A131.01TCGA | -0.01308386 | -0.82670793 | 0.07192163 | 0.01120342 | -0.02522751 |
| ## | A0.A12B.01TCGA | 1.25803187 | 1.79292633 | 0.07461253 | -0.41593835 | -3.51167467 |
| ## | BH.A18Q.02TCGA | -2.42409334 | 0.92797928 | -0.42020961 | 0.06487076 | 3.17607589 |
| ## | C8.A130.02TCGA | -0.84500555 | -1.25170929 | 0.18487328 | 1.26067026 | 0.55221859 |
| ## | C8.A138.03TCGA | -0.17160209 | -0.06554506 | 0.15022616 | 0.06976909 | -1.01640124 |
| ## | | NP_001243353 | NP_599030 | NP_005536 | NP_116120 | NP_004256 |
| ## | A0.A12D.01TCGA | -0.1649120 | -1.2811829 | 1.13041937 | 0.26940498 | -1.7535978 |
| ## | C8.A131.01TCGA | 1.0312694 | -1.7172417 | -1.27602271 | -0.68503210 | 3.7757327 |
| ## | A0.A12B.01TCGA | -0.9591472 | -2.2257108 | -2.46405754 | 1.50192158 | -2.5610591 |
| ## | BH.A18Q.02TCGA | -2.1230090 | 1.7877424 | 1.51676649 | -1.46731413 | -4.1770734 |
| ## | C8.A130.02TCGA | -0.1267143 | -0.4481414 | 0.06023826 | 1.49026108 | 0.2078324 |
| ## | C8.A138.03TCGA | 0.1465690 | -0.7384587 | 0.70611131 | 0.05879768 | 6.3637056 |
| ## | | NP_008950 | NP_054885 | NP_114172 | NP_079204 | NP_002075 |
| ## | A0.A12D.01TCGA | -2.2298226 | -0.4544567 | 1.0313646 | -1.38404742 | 0.7532493 |
| ## | C8.A131.01TCGA | -0.2357173 | -0.1385682 | 1.3227168 | 0.06382587 | -0.9764795 |
| ## | A0.A12B.01TCGA | -1.6353869 | 0.3101878 | -2.6469748 | -0.74574374 | -1.6215295 |
| ## | BH.A18Q.02TCGA | -0.4804265 | -0.3901012 | -0.5908241 | -0.73802089 | 0.6570033 |
| ## | C8.A130.02TCGA | 0.8474068 | 0.8408470 | 0.6538945 | -0.07423637 | -0.5563771 |
| ## | C8.A138.03TCGA | -0.1789164 | -0.4020019 | -0.6104588 | -3.90188404 | -0.6141159 |

| | | | | | | |
|----|----------------|--------------|-------------|--------------|--------------|--------------|
| ## | | NP_004713 | NP_569057 | NP_001092741 | NP_075388 | NP_002888 |
| ## | AO.A12D.01TCGA | -0.3096843 | 0.09415427 | 0.09796406 | 0.4865635 | 1.5304482 |
| ## | C8.A131.01TCGA | 0.2743157 | 0.42408728 | -2.01273704 | -0.6971757 | 1.6910740 |
| ## | AO.A12B.01TCGA | 0.6843368 | -1.37209683 | -0.88431743 | -0.6764569 | -0.9342040 |
| ## | BH.A18Q.02TCGA | -0.9989607 | -0.70791245 | -0.27635819 | 0.2154129 | 1.0049231 |
| ## | C8.A130.02TCGA | 0.1487947 | -2.14055375 | 0.47350173 | 1.3557865 | 1.1196359 |
| ## | C8.A138.03TCGA | 0.8743397 | 6.02359165 | 2.39205246 | -0.6433730 | -0.2849734 |
| ## | | NP_058520 | NP_002889 | NP_001003793 | NP_071344 | NP_057092 |
| ## | AO.A12D.01TCGA | 1.8923790 | 1.27138190 | 0.8294453 | -0.9840186 | -0.4354077 |
| ## | C8.A131.01TCGA | 1.7517922 | 2.44802774 | 1.6829782 | -1.1141075 | -1.4096028 |
| ## | AO.A12B.01TCGA | -0.9369754 | -1.26955230 | -1.1836366 | -0.3355656 | 0.2298151 |
| ## | BH.A18Q.02TCGA | 0.9948869 | 1.09859376 | 1.5870195 | 0.9781600 | -5.3278848 |
| ## | C8.A130.02TCGA | 1.0933970 | 1.19507289 | 1.2705099 | -0.1660727 | -1.4419417 |
| ## | C8.A138.03TCGA | -0.2922877 | -0.07651647 | -0.2922877 | -1.0676012 | 3.4891942 |
| ## | | NP_003991 | NP_001543 | NP_008846 | NP_116254 | NP_653251 |
| ## | AO.A12D.01TCGA | NA | -1.2507045 | -0.6030388 | 5.6259812 | -1.64692350 |
| ## | C8.A131.01TCGA | NA | -0.3369143 | 1.9744257 | 0.5212364 | -0.59597872 |
| ## | AO.A12B.01TCGA | NA | 3.7606728 | -2.6719181 | -1.4746414 | 3.38929529 |
| ## | BH.A18Q.02TCGA | 4.959164 | -3.8626075 | 0.4629712 | 2.1323168 | -0.85176387 |
| ## | C8.A130.02TCGA | -2.986760 | -1.2320301 | -1.0581970 | 0.5292595 | 2.47422174 |
| ## | C8.A138.03TCGA | NA | -0.7311444 | 1.8251959 | NA | -0.00337369 |
| ## | | NP_055277 | NP_055463 | NP_001062 | NP_059988 | NP_003215 |
| ## | AO.A12D.01TCGA | -1.1935575 | 1.515209 | -1.4335748 | -1.159269332 | 0.05605628 |
| ## | C8.A131.01TCGA | -1.0574371 | 1.642499 | 5.4920342 | -0.717415146 | -0.57978719 |
| ## | AO.A12B.01TCGA | -1.5799574 | -3.666877 | -0.3050794 | -0.668142469 | -0.09444738 |
| ## | BH.A18Q.02TCGA | 0.2321399 | -3.213603 | 1.2190275 | -0.296430480 | 0.55329651 |
| ## | C8.A130.02TCGA | -0.1201545 | -1.284508 | -0.1529532 | 0.007760356 | 0.12583564 |
| ## | C8.A138.03TCGA | -1.3674866 | 1.349768 | -0.1533164 | 0.164854712 | 1.67891033 |
| ## | | NP_068753 | NP_006375 | NP_001157650 | NP_542407 | NP_001028259 |
| ## | AO.A12D.01TCGA | 0.3760793 | 2.8181600 | -0.5306526 | 0.3341715 | NA |
| ## | C8.A131.01TCGA | -0.1669033 | 0.7883966 | -0.8307558 | -2.0815510 | NA |
| ## | AO.A12B.01TCGA | 0.1577567 | 0.9836560 | -2.5139441 | 2.6215970 | NA |
| ## | BH.A18Q.02TCGA | -1.3602619 | 0.5900957 | 2.0319553 | -0.3131574 | -2.009266 |
| ## | C8.A130.02TCGA | -0.7236504 | 1.5328994 | 0.6768536 | 4.5733378 | 5.235871 |
| ## | C8.A138.03TCGA | -0.5629160 | -0.5336589 | 2.8894234 | -3.5617701 | -2.936399 |
| ## | | NP_001258804 | NP_079349 | NP_005649 | NP_036524 | NP_003055 |
| ## | AO.A12D.01TCGA | -0.9268716 | 0.4560851 | -0.008710286 | -0.40492930 | 7.618506 |
| ## | C8.A131.01TCGA | 1.7558401 | 0.8612584 | -0.292387649 | -0.73765455 | -1.348885 |
| ## | AO.A12B.01TCGA | -0.1498769 | -0.1554198 | -1.128207132 | -0.08613295 | -1.793361 |
| ## | BH.A18Q.02TCGA | -1.3535711 | -0.6209325 | 1.694071727 | 1.03503150 | -1.186302 |
| ## | C8.A130.02TCGA | -0.8089270 | -0.2874278 | -1.277948240 | -0.03487794 | -2.888364 |
| ## | C8.A138.03TCGA | -2.0367431 | 0.4318259 | -1.093201161 | -1.16268681 | -2.274457 |
| ## | | NP_000812 | NP_003960 | NP_006043 | NP_620152 | NP_056163 |
| ## | AO.A12D.01TCGA | 4.345889 | 0.3417911 | -0.7363817 | 0.7608689 | NA |
| ## | C8.A131.01TCGA | 1.464393 | -0.4057283 | 0.7519656 | -0.3814410 | NA |
| ## | AO.A12B.01TCGA | -0.770687 | 0.9254550 | 0.6178214 | 0.5845637 | NA |
| ## | BH.A18Q.02TCGA | NA | -0.9220169 | 0.3592644 | -0.4202096 | -0.5138803 |
| ## | C8.A130.02TCGA | NA | 1.5296195 | -0.4547012 | 0.4964608 | -0.4907797 |
| ## | C8.A138.03TCGA | NA | 0.2709117 | -0.4751446 | -0.1094307 | 1.3022250 |
| ## | | NP_940888 | NP_803877 | NP_955469 | NP_079224 | NP_001036148 |
| ## | AO.A12D.01TCGA | -0.6639956 | -1.1326007 | 0.3113128 | 0.1093935 | 0.1513012 |
| ## | C8.A131.01TCGA | 0.8005402 | -2.0491680 | -0.1628555 | 1.0717482 | 0.7519656 |
| ## | AO.A12B.01TCGA | -1.6132151 | 0.6926512 | 0.5485346 | 0.6981942 | -2.3060835 |
| ## | BH.A18Q.02TCGA | -0.8149647 | -0.5372980 | -1.5676756 | -0.4235550 | 0.7138748 |

```

## C8.A130.02TCGA 0.9064444 -0.5006193 -0.7695686 -0.2677486 0.2799895
## C8.A138.03TCGA -1.1956011 1.2437108 -0.4276018 -0.3690876 1.5362819
## NP_057501 NP_057178 NP_001128712 NP_001078844 NP_037366
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## C8.A131.01TCGA -1.1141075 0.17716654 -1.8305824 -1.8305824 0.69529530
## A0.A12B.01TCGA 1.2663463 -0.91203217 0.3323596 0.3323596 0.71205152
## BH.A18Q.02TCGA -0.7146032 -0.02210917 -0.9989607 -0.6644225 -0.02545455
## C8.A130.02TCGA 1.4968208 0.27342973 -3.9477615 -3.7181707 0.03399931
## C8.A138.03TCGA 0.5195972 -0.17525923 -0.3690876 -0.3178877 0.32576883
## NP_060557 NP_000936 NP_671709 NP_872375 NP_443730
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## C8.A131.01TCGA 0.5171885 1.30247744 1.54130241 -1.89534850 -1.6484278
## A0.A12B.01TCGA -2.4557431 -0.03070348 0.53467719 0.34067402 -0.4353387
## BH.A18Q.02TCGA -1.1160490 0.79416401 0.66369411 -1.99922985 0.1351238
## C8.A130.02TCGA -0.9991594 0.50958029 0.23079144 -0.61213486 0.2504707
## C8.A138.03TCGA -0.4934303 0.67685419 0.04416912 -0.08017361 -1.7770862
## NP_001002837 NP_115488 NP_789762 NP_005673 NP_699163
## A0.A12D.01TCGA -0.07347685 -0.229678579 -0.2296786 -0.3592117 -1.5821569
## C8.A131.01TCGA -0.81456429 -0.519068981 -0.5190690 -1.0695808 -0.7376546
## A0.A12B.01TCGA 0.78688132 1.795697807 1.7956978 -1.9845926 0.1854715
## BH.A18Q.02TCGA -5.32453942 0.891180080 1.1052845 0.7975094 0.6335857
## C8.A130.02TCGA 0.20455249 0.001200618 -0.2907077 1.0179600 -0.1168747
## C8.A138.03TCGA -0.64703018 -1.191943918 -1.2029153 0.4171973 -1.1700011
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## A0.A12D.01TCGA -3.5365834 -1.39166702 0.6694338 0.6694338 -0.702093552
## C8.A131.01TCGA -2.9680369 -0.04546691 -0.1345203 -0.1345203 0.658864370
## A0.A12B.01TCGA 2.0091013 -0.10830475 0.0358119 0.0358119 -0.293993495
## BH.A18Q.02TCGA 4.9022929 0.90790699 -0.7882016 -0.6811494 -0.610896375
## C8.A130.02TCGA -0.5957355 -0.65477315 1.8608863 1.8740057 0.004480487
## C8.A138.03TCGA -1.7953719 -1.16268681 0.5525115 0.4537687 -0.383716163
## NP_057532 NP_055751 NP_848638 NP_003126 NP_001836
## A0.A12D.01TCGA 4.1668285 -1.7916958 NA -0.04299847 -0.5954192
## C8.A131.01TCGA 1.3591478 -2.3122802 NA -0.38953679 0.2419326
## A0.A12B.01TCGA -0.4131669 0.2131862 NA 0.51804835 -1.4524696
## BH.A18Q.02TCGA -5.0937081 -0.8116193 0.58340495 -1.98250294 -0.8651454
## C8.A130.02TCGA 0.8572464 -0.3759843 0.08647721 -0.01191886 0.3095083
## C8.A138.03TCGA 0.4427973 -1.8100004 NA -0.63971590 -0.7567444
## NP_203699 NP_000082 NP_612390 NP_061893 NP_000472
## A0.A12D.01TCGA -0.1953904 -0.5954192 3.5077334 0.7303906 NA
## C8.A131.01TCGA 0.6426728 1.6546431 -1.8670133 -0.1466639 NA
## A0.A12B.01TCGA -1.4912702 -1.1060353 -1.3720968 -0.3965380 NA
## BH.A18Q.02TCGA -3.7655915 -11.2157569 -1.1829567 -3.8726437 -2.6883785
## C8.A130.02TCGA 0.3095083 -0.8778042 2.9694819 1.2180320 -0.5104589
## C8.A138.03TCGA 1.5362819 2.9845090 -0.7823443 2.0775385 0.8450826
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## C8.A131.01TCGA 0.1124004 -0.21547791 -0.96838376 0.707438941 -0.70122362
## A0.A12B.01TCGA 0.8617111 0.77025247 0.83399637 -0.521254353 -2.60263123
## BH.A18Q.02TCGA -0.2529405 0.29235673 -0.06225375 0.586750331 -0.21614132
## C8.A130.02TCGA 1.1327554 0.16191419 -0.19559151 0.004480487 0.07007786
## C8.A138.03TCGA -1.8136576 -2.39148556 0.46108298 -0.914001342 -0.43857325
## NP_001254772 NP_001185882 NP_064550 NP_000085 NP_001167013
## A0.A12D.01TCGA 0.34179115 -0.313494139 NA 0.4370361 -0.03918867
## C8.A131.01TCGA 0.85721053 -0.312627053 NA 2.0310960 0.59005039

```

| | | | | | | |
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| ## | AO.A12B.01TCGA | 0.02195453 | -0.515711405 | NA | -0.8344309 | -0.40762392 |
| ## | BH.A18Q.02TCGA | -0.82165543 | -0.901944597 | -2.5880171 | 1.3929874 | 0.44289891 |
| ## | C8.A130.02TCGA | -0.58589591 | -0.008638989 | 1.2737897 | -0.3792642 | 0.22751157 |
| ## | C8.A138.03TCGA | 0.82313976 | 1.283939297 | 0.4391401 | 0.6110257 | 0.13194046 |
| ## | | NP_001167014 | NP_001165358 | NP_056448 | NP_653247 | NP_006536 |
| ## | AO.A12D.01TCGA | -0.03918867 | 0.2122580 | 0.2122580 | -0.3477823 | -0.2868256 |
| ## | C8.A131.01TCGA | 0.59005039 | 0.7519656 | 0.7519656 | 1.9015638 | -0.8226600 |
| ## | AO.A12B.01TCGA | -0.40762392 | 0.1688426 | 0.1688426 | -2.0206217 | 1.5407222 |
| ## | BH.A18Q.02TCGA | 0.24217600 | -0.1693060 | -0.1693060 | 1.4431681 | -0.3231935 |
| ## | C8.A130.02TCGA | 0.22751157 | -0.9368419 | -0.9368419 | 0.3193479 | -0.9663607 |
| ## | C8.A138.03TCGA | 0.13194046 | -0.1057736 | -0.1021164 | -0.5629160 | -0.4093161 |
| ## | | NP_002486 | NP_064543 | NP_056312 | NP_001103973 | NP_219489 |
| ## | AO.A12D.01TCGA | -1.845033001 | -0.7401915 | 1.717128283 | 2.0485807 | -0.961159827 |
| ## | C8.A131.01TCGA | -0.174999102 | -0.1992864 | -0.000940222 | 0.4564703 | -0.498829576 |
| ## | AO.A12B.01TCGA | 0.362845813 | 0.2741586 | 0.141127903 | 0.1522138 | 1.302375457 |
| ## | BH.A18Q.02TCGA | 0.533224221 | 0.3492282 | 0.851035498 | 1.2023006 | -0.901944597 |
| ## | C8.A130.02TCGA | -0.002079251 | -0.3891038 | -2.698131459 | -2.1569531 | -0.225110334 |
| ## | C8.A138.03TCGA | -0.946915594 | -0.1789164 | 2.808966329 | 2.7870235 | -0.007030829 |
| ## | | NP_006017 | NP_115570 | NP_001034444 | NP_001135865 | NP_001230301 |
| ## | AO.A12D.01TCGA | -3.925183 | -1.6621627 | -0.34016273 | 0.2274972 | 0.4789439 |
| ## | C8.A131.01TCGA | 1.047461 | 4.6865059 | -2.71706833 | 0.9422160 | 0.3026508 |
| ## | AO.A12B.01TCGA | -3.320443 | -1.8127612 | -0.93697544 | -1.5799574 | -0.8843174 |
| ## | BH.A18Q.02TCGA | -3.962969 | -1.1729205 | 0.07490691 | -1.1294306 | -1.7081816 |
| ## | C8.A130.02TCGA | 1.214752 | 0.6210958 | 0.16847393 | 0.9228438 | -1.2287502 |
| ## | C8.A138.03TCGA | -1.100515 | -1.9453146 | 1.37902492 | 1.1851965 | 1.1010823 |
| ## | | NP_776297 | NP_001121371 | NP_001821 | NP_001827 | NP_009042 |
| ## | AO.A12D.01TCGA | 0.7608689 | NA | NA | -3.8566064 | 0.4484655 |
| ## | C8.A131.01TCGA | 0.5374279 | NA | NA | -5.1012702 | 0.5090928 |
| ## | AO.A12B.01TCGA | -0.9480613 | NA | NA | -5.1385298 | 1.2330886 |
| ## | BH.A18Q.02TCGA | -0.6376594 | -2.755286 | -2.534491 | -1.5576394 | 0.7975094 |
| ## | C8.A130.02TCGA | -0.7400497 | -1.254989 | -2.288148 | 0.2471908 | -0.7302101 |
| ## | C8.A138.03TCGA | 0.3477117 | 1.349768 | 2.004396 | -1.7185720 | -0.0326308 |
| ## | | NP_001171610 | NP_001073861 | NP_001006659 | XP_003960485 | NP_878908 |
| ## | AO.A12D.01TCGA | NA | 0.6237162 | NA | -1.18593792 | -0.66780537 |
| ## | C8.A131.01TCGA | NA | 0.7479178 | NA | -0.34096222 | -0.34096222 |
| ## | AO.A12B.01TCGA | NA | -2.2312537 | NA | -0.15819127 | -0.15819127 |
| ## | BH.A18Q.02TCGA | -0.2429044 | -2.5478725 | NA | 0.06487076 | 0.06487076 |
| ## | C8.A130.02TCGA | 0.5554985 | -1.3533852 | NA | -0.48094011 | -0.12015453 |
| ## | C8.A138.03TCGA | -1.0456584 | -0.7055444 | -2.395143 | 0.17948327 | 0.13925474 |
| ## | | NP_001156793 | NP_444283 | NP_078804 | NP_001007532 | NP_009014 |
| ## | AO.A12D.01TCGA | 0.22749720 | -0.4887449 | -0.08490625 | 0.4256067 | -0.5382722 |
| ## | C8.A131.01TCGA | 0.02739495 | -1.2922142 | -0.50692534 | -2.2879929 | 0.2864593 |
| ## | AO.A12B.01TCGA | 0.49310508 | 2.3305923 | -1.56887148 | -2.9573799 | 2.3721644 |
| ## | BH.A18Q.02TCGA | -0.36668350 | 1.2491359 | -1.27997275 | -3.8692983 | -3.3741818 |
| ## | C8.A130.02TCGA | -0.64493355 | -0.6646128 | 1.09011708 | 1.1589943 | -0.7728484 |
| ## | C8.A138.03TCGA | -0.14965926 | -2.4646283 | 2.16896698 | 3.6537655 | -2.1281715 |
| ## | | NP_660207 | NP_003668 | NP_064631 | NP_001012772 | NP_003320 |
| ## | AO.A12D.01TCGA | 0.7913473 | 0.2579756 | 0.6313358 | -1.8069350 | 0.2313070 |
| ## | C8.A131.01TCGA | 1.4927278 | -1.2153045 | 0.8491148 | 0.4159915 | -0.3409622 |
| ## | AO.A12B.01TCGA | -1.7462458 | 0.5623919 | -1.0533773 | 1.1416300 | -0.3327941 |
| ## | BH.A18Q.02TCGA | -1.3468804 | -1.8118885 | -1.2231013 | 0.4127905 | -0.4436273 |
| ## | C8.A130.02TCGA | -0.3333460 | 0.4472628 | 0.1422350 | -0.6974115 | -0.0807961 |
| ## | C8.A138.03TCGA | 3.5586799 | 0.5049687 | -1.1114869 | -0.4312590 | -0.5409731 |
| ## | | NP_009172 | NP_001096080 | NP_003376 | NP_036366 | NP_115670 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | AO.A12D.01TCGA | 0.22749720 | 0.2922638 | -0.05442786 | 1.5037796 | -0.3211137 |
| ## | C8.A131.01TCGA | 0.08406528 | 0.3714648 | 1.22961558 | 0.1852623 | -0.7417024 |
| ## | AO.A12B.01TCGA | 0.85062521 | 1.6903818 | -2.53611586 | 0.6732509 | 0.9282265 |
| ## | BH.A18Q.02TCGA | -0.47039034 | -1.6212017 | 1.13204757 | -3.9328606 | -1.0926314 |
| ## | C8.A130.02TCGA | -0.15295322 | 0.3357472 | -0.46782063 | -0.4383018 | -0.4383018 |
| ## | C8.A138.03TCGA | 1.04256811 | 0.5378829 | -1.54302928 | 1.1157109 | 2.8126235 |
| ## | | NP_001124151 | NP_115710 | XP_003960183 | NP_055130 | NP_079049 |
| ## | AO.A12D.01TCGA | 1.7285577 | -0.1953904 | -0.4354077 | 0.09034447 | -0.1649120 |
| ## | C8.A131.01TCGA | 0.3795606 | -0.9886232 | -0.2559567 | -0.36929739 | 1.3955787 |
| ## | AO.A12B.01TCGA | -0.1775916 | -2.0732797 | 3.6193276 | 0.37670318 | -0.6625995 |
| ## | BH.A18Q.02TCGA | -0.2830490 | -0.5406434 | -2.6315070 | -0.53395259 | 0.2756298 |
| ## | C8.A130.02TCGA | 0.4669420 | 1.8018486 | 0.0241597 | 0.33246737 | -0.1037552 |
| ## | C8.A138.03TCGA | -1.5101150 | -2.0257716 | 2.1031385 | 0.87068257 | 1.8800530 |
| ## | | NP_006507 | NP_060717 | NP_001017970 | NP_612355 | NP_835227 |
| ## | AO.A12D.01TCGA | 1.385676 | 1.4733012 | NA | 2.7838718 | 0.94754905 |
| ## | C8.A131.01TCGA | 2.873055 | 0.5576673 | NA | -0.7619418 | -0.32072281 |
| ## | AO.A12B.01TCGA | -2.225711 | -1.0810921 | NA | -0.5018540 | -0.50185404 |
| ## | BH.A18Q.02TCGA | -2.404021 | -1.0692137 | NA | -0.4670450 | -4.11685657 |
| ## | C8.A130.02TCGA | -1.664973 | -0.2119909 | NA | -0.7826880 | 1.21803197 |
| ## | C8.A138.03TCGA | -2.113543 | 0.4647401 | 1.485082 | 1.7886245 | -0.07285933 |
| ## | | NP_001954 | NP_660289 | NP_002420 | NP_612410 | NP_114111 |
| ## | AO.A12D.01TCGA | NA | NA | -0.35159212 | 0.28083438 | 1.3018603 |
| ## | C8.A131.01TCGA | NA | NA | 1.21747194 | 0.01929918 | -0.1223767 |
| ## | AO.A12B.01TCGA | NA | NA | -0.12493359 | 0.02472600 | -1.1420645 |
| ## | BH.A18Q.02TCGA | -7.589363 | 0.2589029 | -0.74136627 | -0.06894451 | -0.8618000 |
| ## | C8.A130.02TCGA | 4.107596 | 0.4046245 | -1.52721827 | -0.03487794 | -1.0352379 |
| ## | C8.A138.03TCGA | 1.587482 | 1.3387964 | 0.00028345 | -0.08748789 | -0.0326308 |
| ## | | NP_001154481 | NP_001135942 | NP_115722 | NP_653287 | NP_001138775 |
| ## | AO.A12D.01TCGA | 1.27519170 | -0.2487276 | -0.008710286 | 4.1477795 | 5.595502815 |
| ## | C8.A131.01TCGA | -0.02522751 | -1.9924976 | -0.041419031 | 0.8248275 | 0.347177538 |
| ## | AO.A12B.01TCGA | -1.13929303 | -0.2635073 | 0.473704768 | -0.4076239 | 0.005325683 |
| ## | BH.A18Q.02TCGA | -0.86180002 | -1.1863021 | -0.801583141 | 0.5967865 | 0.797509388 |
| ## | C8.A130.02TCGA | -1.03523794 | 6.6658942 | 1.237711181 | 0.2176720 | 0.558778325 |
| ## | C8.A138.03TCGA | -0.03263080 | -0.8957156 | -1.451600799 | 1.9239387 | 2.125081305 |
| ## | | NP_443182 | NP_059110 | XP_001718697 | NP_001121557 | NP_004865 |
| ## | AO.A12D.01TCGA | 0.4637047 | -1.1973673 | -1.7154999 | -1.4411944 | -1.0754538 |
| ## | C8.A131.01TCGA | 1.1162749 | -2.2596578 | -3.5590276 | -2.0815510 | -0.2195258 |
| ## | AO.A12B.01TCGA | -1.2861811 | 2.9264591 | 3.4946113 | 2.2529910 | 0.6649365 |
| ## | BH.A18Q.02TCGA | 0.4763527 | 0.4930796 | -0.1693060 | 0.4763527 | -0.1626152 |
| ## | C8.A130.02TCGA | 0.6145361 | -0.2480694 | -0.3989434 | -1.7240104 | -0.5137388 |
| ## | C8.A138.03TCGA | -0.3361734 | -1.0127441 | -1.4808579 | -1.6637149 | -1.3711437 |
| ## | | NP_078898 | NP_060932 | NP_001120708 | NP_001120707 | NP_037375 |
| ## | AO.A12D.01TCGA | 1.4047248 | -0.04299847 | -0.60684860 | -0.60684860 | NA |
| ## | C8.A131.01TCGA | -0.6364575 | 1.30652532 | -0.94409648 | -0.94409648 | NA |
| ## | AO.A12B.01TCGA | 1.7402683 | 0.14389938 | -0.95360428 | -0.95360428 | NA |
| ## | BH.A18Q.02TCGA | -0.4837719 | -1.01568758 | -0.26297666 | -0.23621361 | 0.5599873 |
| ## | C8.A130.02TCGA | -0.2841480 | -0.11359479 | -0.08735584 | -0.41862260 | -0.4317421 |
| ## | C8.A138.03TCGA | 1.2729679 | -1.12245827 | 0.66588278 | -0.06554506 | 0.6073686 |
| ## | | NP_001158729 | NP_001444 | NP_005242 | NP_003101 | NP_872319 |
| ## | AO.A12D.01TCGA | NA | NA | NA | -0.1458630 | -0.8278169 |
| ## | C8.A131.01TCGA | NA | NA | NA | 0.2297890 | 1.0636525 |
| ## | AO.A12B.01TCGA | NA | NA | NA | -0.3521944 | -2.1481095 |
| ## | BH.A18Q.02TCGA | 0.5599873 | 0.7607102 | 1.81116009 | -0.5071895 | -0.4001373 |
| ## | C8.A130.02TCGA | -0.7662887 | -0.3858239 | -0.09391558 | 0.9195639 | 0.8375672 |

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## C8.A138.03TCGA -0.6689730 2.4615381 NA 1.3424535 -0.3617733
## NP_005552 NP_068595 NP_536856 NP_071327 NP_115992
## A0.A12D.01TCGA -0.2449178 -1.0144970 -1.9821857 2.2085922 NA
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## C8.A130.02TCGA -1.6748124 -0.2283902 -3.2360300 -0.8351659 NA
## C8.A138.03TCGA 1.9019958 1.8837101 0.1685119 -0.3544590 2.168967
## NP_938020 NP_002438 NP_001003796 NP_006773 NP_061335
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## A0.A12B.01TCGA -0.57391236 -0.37159476 0.2464439 -0.1387910 -1.1226642
## BH.A18Q.02TCGA 0.31577440 -0.76143856 0.5566419 -0.4603542 0.3425375
## C8.A130.02TCGA 1.47058187 -1.88144411 0.9228438 0.9261236 -0.8187666
## C8.A138.03TCGA 1.09011092 0.05514054 -1.0200584 1.5582247 1.1632537
## NP_001161771 NP_001161773 NP_001790 NP_004426 NP_009165
## A0.A12D.01TCGA 1.2599525 1.2599525 0.06748568 -2.0736209 -1.31547106
## C8.A131.01TCGA 0.2702678 0.2702678 -0.01308386 -0.8024206 0.49694913
## A0.A12B.01TCGA -0.8122591 -0.8122591 0.04689779 -1.3194388 0.04689779
## BH.A18Q.02TCGA 0.3425375 0.3425375 -0.28973972 -1.0524868 0.28901134
## C8.A130.02TCGA -0.8187666 -0.8187666 0.51286016 -1.4813001 -0.01519873
## C8.A138.03TCGA 0.1099976 0.1099976 0.82313976 -0.2703448 0.58176858
## NP_149103 NP_003767 NP_940919 NP_005430 NP_001003701
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## C8.A131.01TCGA 0.2176453 -0.61217024 1.2781902 -0.6809842 -0.6243139
## A0.A12B.01TCGA -0.1277051 1.60169464 -0.8732315 1.1416300 1.4076915
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## NP_001137434 NP_981951 NP_113676 NP_060113 NP_001078956
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## C8.A131.01TCGA 2.1080057 -0.4947817 NA 1.16484949 NA
## A0.A12B.01TCGA 2.6105111 1.6044661 NA -0.64874215 NA
## BH.A18Q.02TCGA NA 0.3860274 0.04814385 0.81423630 -1.4338603
## C8.A130.02TCGA NA -1.2057911 0.72277177 0.90644442 0.6309354
## C8.A138.03TCGA 0.2891974 0.4245116 0.57079716 -0.92862990 0.2965117
## NP_061881 NP_067017 NP_005169 NP_006734 NP_003575
## A0.A12D.01TCGA 1.23328392 1.21042513 -0.2601570 -1.2621339 -0.9497304
## C8.A131.01TCGA 0.20954959 1.00293425 1.2093762 -0.5757393 -0.6000266
## A0.A12B.01TCGA -0.12770506 -0.08336148 -0.7152575 -2.6303460 -0.3411086
## BH.A18Q.02TCGA 0.07490691 -0.93874380 -1.1662298 -0.7547478 -0.1525791
## C8.A130.02TCGA 0.31606803 -0.61213486 0.7785295 0.6407750 0.6998127
## C8.A138.03TCGA -1.08588688 0.94016822 -0.1972021 1.4594820 0.2745689
## NP_002513 NP_055856 NP_001154816 NP_001154819 NP_008961
## A0.A12D.01TCGA -1.014497 -0.8887737 -0.01252008 -0.01252008 -0.7782895
## C8.A131.01TCGA 1.201280 0.3309860 0.20954959 0.20954959 -1.9763061
## A0.A12B.01TCGA -2.807720 0.4376756 -3.62807657 -3.62807657 3.2119210
## BH.A18Q.02TCGA -1.664692 -1.0692137 -0.16596059 -0.13919753 -2.9560091
## C8.A130.02TCGA 1.926484 0.8211678 0.43742318 0.51286016 1.4345033
## C8.A138.03TCGA -1.367487 1.6715960 -0.17891637 -0.17891637 -1.1956011
## NP_075561 NP_001159435 NP_000213 NP_001123500 NP_006371
## A0.A12D.01TCGA 0.37607933 2.9248343 -0.1230042 -1.4792924 -1.57072753
## C8.A131.01TCGA 1.14865796 0.7195826 0.4240873 -0.2519088 0.32289025
## A0.A12B.01TCGA -1.06169176 -5.7205393 -1.0700062 -0.7263434 -0.76514405

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | BH.A18Q.02TCGA | -1.55763944 | -9.8842949 | 4.8320399 | -0.1626152 | -1.43386031 |
| ## | C8.A130.02TCGA | -0.05455715 | -4.1347140 | -0.5596570 | 1.3131482 | -0.05127728 |
| ## | C8.A138.03TCGA | 1.00965386 | 6.0345631 | -1.8538861 | 0.3111403 | 0.42816873 |
| ## | | NP_065811 | NP_055867 | NP_004208 | NP_003591 | NP_005679 |
| ## | A0.A12D.01TCGA | 0.05224649 | 0.05224649 | -0.09252584 | 0.1779698 | NA |
| ## | C8.A131.01TCGA | 0.18931018 | -0.04141903 | 1.65059520 | 1.2862859 | NA |
| ## | A0.A12B.01TCGA | 0.77302395 | 1.74026833 | -0.88708891 | -1.2058084 | NA |
| ## | BH.A18Q.02TCGA | -12.24613449 | -12.24613449 | 0.02472618 | -2.0226475 | -2.748595384 |
| ## | C8.A130.02TCGA | -0.89748345 | -0.89748345 | 1.82152784 | -0.4448615 | 0.001200618 |
| ## | C8.A138.03TCGA | 0.56348288 | 0.61102569 | -2.42805696 | 0.7719398 | 5.248278152 |
| ## | | NP_076971 | NP_060816 | NP_004336 | NP_958928 | NP_001169 |
| ## | A0.A12D.01TCGA | 0.2655952 | 2.2733588 | -1.513581 | 0.6808632 | 0.40274792 |
| ## | C8.A131.01TCGA | -0.7052715 | 1.3267647 | 9.001547 | -2.0936947 | 0.69934318 |
| ## | A0.A12B.01TCGA | 0.7231374 | 0.8672541 | -1.399812 | -0.7734585 | 0.05798369 |
| ## | BH.A18Q.02TCGA | 0.3458828 | -0.1759967 | -9.134929 | 0.9781600 | -0.43024576 |
| ## | C8.A130.02TCGA | 0.1094363 | -0.8614049 | -8.647814 | -1.8486454 | -1.12051453 |
| ## | C8.A138.03TCGA | -1.6344578 | NA | -8.765879 | 3.1234803 | -0.11674500 |
| ## | | NP_783859 | NP_620132 | NP_004169 | NP_000977 | NP_115728 |
| ## | A0.A12D.01TCGA | -1.2468947 | 1.1647075 | 0.9437393 | -0.7325719 | 0.44084590 |
| ## | C8.A131.01TCGA | -1.8305824 | -1.3084058 | 1.9218032 | 2.7961455 | 0.08001740 |
| ## | A0.A12B.01TCGA | 2.6825694 | 0.7203659 | 0.5790208 | -2.7661482 | -0.44919603 |
| ## | BH.A18Q.02TCGA | 0.3492282 | -0.7246394 | -0.8751815 | -1.9992298 | 0.38602742 |
| ## | C8.A130.02TCGA | 0.1619142 | 2.1363953 | 0.9490827 | 1.2442709 | 0.05039865 |
| ## | C8.A138.03TCGA | -1.1041726 | -0.9505727 | 0.9474825 | 0.6293114 | -0.45320181 |
| ## | | NP_000156 | NP_660286 | NP_056287 | NP_036274 | NP_000303 |
| ## | A0.A12D.01TCGA | -0.3477823 | 1.1723271 | 0.3036932 | -0.2792060 | -1.5364393 |
| ## | C8.A131.01TCGA | 0.1285920 | 0.2864593 | 0.6912474 | 1.3672435 | -1.6727150 |
| ## | A0.A12B.01TCGA | -2.4723720 | -0.2136208 | -1.1753222 | -1.0367485 | -2.1397951 |
| ## | BH.A18Q.02TCGA | -2.7720131 | -0.8183101 | 1.7910878 | 1.5201119 | -0.8417277 |
| ## | C8.A130.02TCGA | -0.9893198 | -1.6518533 | 0.3882251 | -0.5891758 | 1.6017766 |
| ## | C8.A138.03TCGA | -0.2630306 | 0.4208545 | -2.2305714 | -0.3325162 | -0.1167450 |
| ## | | NP_054884 | NP_078812 | NP_001004127 | NP_001245235 | NP_001231191 |
| ## | A0.A12D.01TCGA | 0.04462689 | 0.7951571 | 2.940073494 | -0.8811541 | -0.5649408 |
| ## | C8.A131.01TCGA | -1.53103921 | 1.2417592 | 0.003107659 | -0.4462071 | -1.1910172 |
| ## | A0.A12B.01TCGA | 0.45984740 | -0.1083047 | -1.130978606 | 5.4789866 | 0.4349041 |
| ## | BH.A18Q.02TCGA | 1.53014802 | -0.4335911 | -0.731330122 | -7.2414432 | 0.4328628 |
| ## | C8.A130.02TCGA | 0.42430370 | 0.1914330 | -1.523938405 | 2.0314394 | -0.1037552 |
| ## | C8.A138.03TCGA | 0.04782626 | 1.2875964 | 2.984509009 | 0.7280541 | 0.6914828 |
| ## | | NP_536316 | NP_003454 | NP_938408 | NP_619729 | NP_002436 |
| ## | A0.A12D.01TCGA | -0.5497016 | 0.19701882 | 1.7056989 | 1.0885116 | 1.5266384 |
| ## | C8.A131.01TCGA | -1.4986562 | -0.45430289 | 0.1771665 | 1.8772765 | 1.9460905 |
| ## | A0.A12B.01TCGA | 0.3018734 | 0.40718940 | -1.4912702 | -0.4020810 | -0.9813190 |
| ## | BH.A18Q.02TCGA | -0.3064666 | 0.25555753 | -1.9791576 | -0.3967919 | -0.5306072 |
| ## | C8.A130.02TCGA | -0.4940596 | 0.06023826 | -0.2054311 | 0.3226278 | 0.4571024 |
| ## | C8.A138.03TCGA | -0.4239447 | -1.21388675 | 2.3591382 | 0.4098830 | 0.4098830 |
| ## | | NP_077292 | NP_001853 | NP_008833 | NP_038463 | NP_703149 |
| ## | A0.A12D.01TCGA | 0.07891507 | 0.6884828 | 0.8142061 | 0.7646787 | 0.7646787 |
| ## | C8.A131.01TCGA | -0.25595672 | 0.4159915 | 2.5249375 | 1.2053283 | 1.2053283 |
| ## | A0.A12B.01TCGA | 0.37393171 | -0.8510597 | -1.4746414 | -3.3370718 | -3.3370718 |
| ## | BH.A18Q.02TCGA | -1.67807319 | 1.5937103 | -0.5406434 | 0.5800596 | 2.1490437 |
| ## | C8.A130.02TCGA | 1.25739039 | 0.4275836 | 0.9786015 | 0.6801335 | 1.1130762 |
| ## | C8.A138.03TCGA | 2.90770909 | 1.0754824 | 1.1486251 | 1.0864538 | 1.0864538 |
| ## | | NP_006483 | NP_116142 | NP_057391 | NP_001073930 | NP_008913 |
| ## | A0.A12D.01TCGA | 0.7646787 | 0.7646787 | 1.25614271 | 0.9551686 | 0.7646787 |

| | | | | | | |
|----|----------------|-------------|--------------|-------------|--------------|--------------|
| ## | C8.A131.01TCGA | 1.2053283 | 1.2053283 | 1.27414227 | 1.0474609 | 1.2053283 |
| ## | A0.A12B.01TCGA | -3.3370718 | -3.3370718 | -1.63815833 | -3.9246243 | -3.3370718 |
| ## | BH.A18Q.02TCGA | 1.1655014 | 2.1490437 | -0.00872764 | -11.5603312 | 2.1490437 |
| ## | C8.A130.02TCGA | 0.3980648 | 1.1130762 | 0.97860154 | 1.1130762 | 1.1130762 |
| ## | C8.A138.03TCGA | 1.0169681 | 1.0864538 | 0.44645443 | 1.5326248 | 1.0864538 |
| ## | | NP_003915 | NP_620689 | NP_005160 | NP_068745 | NP_003021 |
| ## | A0.A12D.01TCGA | 0.9551686 | 0.7646787 | 0.7646787 | 0.7646787 | 0.7646787 |
| ## | C8.A131.01TCGA | 1.0474609 | 1.2053283 | 1.2053283 | 1.2053283 | 1.2053283 |
| ## | A0.A12B.01TCGA | -2.7495193 | -3.3370718 | -3.3370718 | -3.3370718 | -3.3370718 |
| ## | BH.A18Q.02TCGA | -1.2398282 | -1.2398282 | -1.2398282 | 2.1490437 | 2.1490437 |
| ## | C8.A130.02TCGA | 0.5489387 | 0.5489387 | 0.5489387 | 1.1130762 | 1.1130762 |
| ## | C8.A138.03TCGA | 1.3790249 | 1.3790249 | 1.3790249 | 1.0864538 | 1.0864538 |
| ## | | NP_835471 | NP_001186976 | NP_689822 | NP_877437 | NP_001028204 |
| ## | A0.A12D.01TCGA | -2.2488716 | -2.2488716 | -0.07347685 | 0.7418200 | 1.5723560 |
| ## | C8.A131.01TCGA | -5.4129570 | -5.7205960 | 0.68719954 | 1.6505952 | 0.5333801 |
| ## | A0.A12B.01TCGA | -3.6363910 | -3.7167637 | -0.20253486 | -0.3438800 | -0.6321133 |
| ## | BH.A18Q.02TCGA | 0.9614331 | 0.4529351 | 0.20203142 | 0.3124290 | 0.7406379 |
| ## | C8.A130.02TCGA | 1.8313674 | 1.8904051 | 1.07371774 | 0.0241597 | 0.2143921 |
| ## | C8.A138.03TCGA | -3.1704562 | -3.3752560 | 1.10839662 | -0.6909159 | 0.6878256 |
| ## | | NP_055683 | NP_004251 | NP_001275 | NP_115997 | NP_001010904 |
| ## | A0.A12D.01TCGA | -0.09252584 | -0.9078227 | 0.62752601 | 1.1037508 | NA |
| ## | C8.A131.01TCGA | -1.13839476 | 0.4281352 | -0.88337826 | 0.6831517 | NA |
| ## | A0.A12B.01TCGA | 0.29078749 | 0.4792477 | 2.65208324 | -2.8686927 | NA |
| ## | BH.A18Q.02TCGA | 0.27897520 | 0.4663166 | 0.34588284 | -4.0967843 | -1.293354 |
| ## | C8.A130.02TCGA | 0.81788797 | 0.7293315 | 0.05039865 | -0.4448615 | -1.094276 |
| ## | C8.A138.03TCGA | 0.20508324 | 0.2782260 | 0.62565425 | -2.1501144 | 2.644395 |
| ## | | NP_690610 | NP_690611 | NP_002957 | NP_005783 | NP_060699 |
| ## | A0.A12D.01TCGA | 1.11898997 | 4.6392435 | -1.12498115 | -1.85646240 | -0.21824919 |
| ## | C8.A131.01TCGA | 1.46844055 | 4.0833716 | 0.00715554 | -0.45835077 | -0.22762155 |
| ## | A0.A12B.01TCGA | -2.03447909 | -1.8155327 | -1.27509525 | -0.65705657 | -0.26350728 |
| ## | BH.A18Q.02TCGA | 3.48719640 | -5.8899090 | -0.55067950 | 0.45962582 | 0.15185069 |
| ## | C8.A130.02TCGA | -0.02175846 | 0.1815934 | -0.12343440 | 0.03727918 | -0.19887138 |
| ## | C8.A138.03TCGA | 0.16485471 | 0.5817686 | 2.45788097 | -0.13503070 | -0.02897366 |
| ## | | NP_036223 | NP_004321 | NP_056040 | NP_001129277 | NP_005005 |
| ## | A0.A12D.01TCGA | 0.5284713 | -0.1687218 | -1.2583241 | -1.2735633 | -4.001379 |
| ## | C8.A131.01TCGA | 0.4888534 | 1.9865693 | 2.1606282 | -1.8386782 | -1.227448 |
| ## | A0.A12B.01TCGA | -0.6127130 | -1.3388391 | -0.6043986 | -2.7273476 | -5.825855 |
| ## | BH.A18Q.02TCGA | 0.7004933 | 1.4063689 | 0.3057383 | -7.4856561 | -5.491809 |
| ## | C8.A130.02TCGA | -1.0122789 | -0.4645408 | 0.2963888 | -7.7491295 | -2.386544 |
| ## | C8.A138.03TCGA | -0.6616587 | 0.1648547 | 0.7975398 | -0.3032591 | 3.971937 |
| ## | | NP_000679 | NP_001106674 | NP_006361 | NP_612508 | NP_001072987 |
| ## | A0.A12D.01TCGA | 0.2313070 | 0.029387696 | 2.02572193 | 0.4751341 | -0.6144682 |
| ## | C8.A131.01TCGA | 0.5009970 | -0.668840575 | 0.88554570 | 0.8045881 | 0.1285920 |
| ## | A0.A12B.01TCGA | -1.2944956 | 0.360074339 | -1.63815833 | -2.8548354 | -0.4408816 |
| ## | BH.A18Q.02TCGA | -0.1358522 | 0.007999269 | -1.56767559 | -1.0625229 | -0.5975148 |
| ## | C8.A130.02TCGA | 0.3357472 | 0.171753799 | 0.02087983 | 0.4800615 | -0.7400497 |
| ## | C8.A138.03TCGA | 0.5671400 | -1.056629769 | 2.91136623 | 0.5707972 | -0.7494301 |
| ## | | NP_006003 | NP_065120 | NP_004575 | XP_003960338 | NP_060755 |
| ## | A0.A12D.01TCGA | -1.1554595 | 0.9970764 | -1.33071025 | -0.59541920 | -0.5497016 |
| ## | C8.A131.01TCGA | -0.2519088 | -0.4219198 | -0.36929739 | 0.93412027 | -0.3450101 |
| ## | A0.A12B.01TCGA | 2.2031045 | -0.4907681 | 0.06629811 | 0.80905311 | -0.2884505 |
| ## | BH.A18Q.02TCGA | -0.1224706 | -1.0892860 | 1.70076249 | 0.07825229 | 0.3726459 |
| ## | C8.A130.02TCGA | -0.1955915 | -0.2841480 | 1.54601885 | 0.35870632 | 0.5259796 |
| ## | C8.A138.03TCGA | -1.3784580 | 0.9584539 | 0.29651172 | -0.85182998 | -1.6966291 |

| | | | | | | |
|----|----------------|--------------|--------------|-------------|--------------|--------------|
| ## | | NP_005605 | NP_612433 | NP_057475 | NP_001243469 | NP_000337 |
| ## | AO.A12D.01TCGA | 0.6008574 | NA | -2.3517362 | -2.2260128 | -3.6432577 |
| ## | C8.A131.01TCGA | 0.1488314 | NA | 0.2297890 | -0.2154779 | 0.4929013 |
| ## | AO.A12B.01TCGA | -0.6071700 | NA | -1.6159865 | -2.1009945 | -1.1614648 |
| ## | BH.A18Q.02TCGA | -1.2331374 | NA | -1.0926314 | -0.9454346 | -0.4971534 |
| ## | C8.A130.02TCGA | 0.9294035 | NA | 0.7916490 | 0.7555705 | 0.7555705 |
| ## | C8.A138.03TCGA | -0.8957156 | NA | -0.4129733 | -0.4093161 | -2.3768570 |
| ## | | NP_008872 | NP_055402 | NP_060889 | NP_065154 | NP_055763 |
| ## | AO.A12D.01TCGA | -1.5897765 | NA | NA | 3.21437896 | 1.05041360 |
| ## | C8.A131.01TCGA | -2.5794404 | NA | NA | 0.06787375 | 1.34295625 |
| ## | AO.A12B.01TCGA | -0.6016271 | NA | NA | 1.74303980 | 0.92822648 |
| ## | BH.A18Q.02TCGA | 5.3639556 | 5.2569034 | NA | -1.36360729 | -0.06559913 |
| ## | C8.A130.02TCGA | -0.8646848 | 0.3652661 | NA | -0.49077971 | 0.01432009 |
| ## | C8.A138.03TCGA | -3.9750268 | 5.2811924 | 1.155939 | 1.20713937 | -1.03102980 |
| ## | | NP_079103 | NP_003146 | NP_000230 | NP_036371 | NP_057056 |
| ## | AO.A12D.01TCGA | -0.5992290 | 0.4675145 | -1.6126353 | -1.1897477 | -1.5783471 |
| ## | C8.A131.01TCGA | -0.9926710 | -2.5268179 | 5.6620452 | -0.9683838 | -0.8995698 |
| ## | AO.A12B.01TCGA | 1.0557143 | 1.1388585 | -2.1536525 | 3.0955191 | 0.6011926 |
| ## | BH.A18Q.02TCGA | -1.0491414 | -5.3211940 | -0.7748201 | -0.6610771 | -0.7079124 |
| ## | C8.A130.02TCGA | 1.7788895 | -1.3697846 | -3.2294702 | -2.7768483 | 0.8441269 |
| ## | C8.A138.03TCGA | -0.8591443 | -1.3382295 | -4.0042839 | 0.6695399 | 0.1355976 |
| ## | | NP_689918 | NP_079416 | NP_112236 | NP_659480 | NP_060091 |
| ## | AO.A12D.01TCGA | -1.04878519 | 0.177969824 | -0.09633564 | -1.5478687 | -0.9344912 |
| ## | C8.A131.01TCGA | -0.01713175 | -0.579787194 | 0.44432668 | -1.7455769 | -0.0899936 |
| ## | AO.A12B.01TCGA | 0.21595770 | -0.562826461 | -0.65428510 | 3.3782094 | 0.3573029 |
| ## | BH.A18Q.02TCGA | 1.99850148 | 0.483043493 | -0.48042648 | -0.2094506 | -0.5707518 |
| ## | C8.A130.02TCGA | 1.19507289 | 0.001200618 | -0.71053093 | -0.5334180 | -0.4973395 |
| ## | C8.A138.03TCGA | 2.20553837 | 1.071825225 | 1.04622525 | -1.9343432 | -1.5796007 |
| ## | | NP_742034 | NP_055184 | NP_004573 | NP_057142 | NP_001070818 |
| ## | AO.A12D.01TCGA | 4.3001714 | 0.2503560 | -0.9002031 | -0.347782322 | -0.38207051 |
| ## | C8.A131.01TCGA | 1.3753393 | 1.7882231 | -0.2033343 | -0.466446528 | -0.09404148 |
| ## | AO.A12B.01TCGA | -0.6071700 | -0.1083047 | 1.0806575 | 0.986427435 | 0.90882617 |
| ## | BH.A18Q.02TCGA | 2.3263489 | -1.1060129 | -0.4971534 | -0.323193535 | -0.34661121 |
| ## | C8.A130.02TCGA | 0.4144641 | -0.8810841 | -0.2611889 | -0.002079251 | -0.80892699 |
| ## | C8.A138.03TCGA | -1.6161721 | -0.1862306 | -1.1261154 | 0.420854454 | -0.98348699 |
| ## | | NP_001034565 | NP_064517 | NP_005002 | NP_964011 | NP_005613 |
| ## | AO.A12D.01TCGA | -0.38207051 | 3.7325115 | -0.23729818 | NA | NA |
| ## | C8.A131.01TCGA | 0.01929918 | -0.6566969 | -1.40555490 | NA | NA |
| ## | AO.A12B.01TCGA | 1.17488766 | -1.9263916 | 0.05521221 | NA | NA |
| ## | BH.A18Q.02TCGA | -0.50384416 | -0.5607156 | -0.61424176 | 1.316044 | NA |
| ## | C8.A130.02TCGA | -0.78268804 | -1.6944916 | 0.53581924 | -2.291428 | NA |
| ## | C8.A138.03TCGA | -1.55400070 | 1.1925108 | -0.67994444 | NA | NA |
| ## | | NP_004022 | NP_001036100 | NP_062457 | NP_001093097 | NP_001161213 |
| ## | AO.A12D.01TCGA | -0.7554307 | -0.81257770 | 0.1436816 | 0.08653467 | -0.97258922 |
| ## | C8.A131.01TCGA | 0.5617152 | -0.01308386 | 0.2338369 | -0.33691434 | -1.24768755 |
| ## | AO.A12B.01TCGA | -3.6003618 | -0.45751045 | 1.2802037 | 1.23031714 | 2.63268292 |
| ## | BH.A18Q.02TCGA | 1.4230958 | -0.28304895 | 0.6235495 | 0.58675033 | 0.04145309 |
| ## | C8.A130.02TCGA | 0.7785295 | 2.31350817 | 0.3882251 | -0.01191886 | -0.63181407 |
| ## | C8.A138.03TCGA | -1.7514862 | -0.67628730 | -1.6746863 | -1.48817219 | -1.69662912 |
| ## | | NP_001010891 | NP_001036013 | NP_005093 | NP_077288 | NP_000272 |
| ## | AO.A12D.01TCGA | -1.1973673 | -0.63351718 | -0.6335172 | 2.36479397 | -1.1706987 |
| ## | C8.A131.01TCGA | -0.5474041 | -0.68098422 | -0.6809842 | 0.99888637 | -1.0655329 |
| ## | AO.A12B.01TCGA | 2.7712566 | -0.63765626 | -0.6376563 | -0.58499825 | 1.2414030 |
| ## | BH.A18Q.02TCGA | -0.2228321 | 0.12508763 | 0.0581800 | 0.06487076 | -1.0290691 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A130.02TCGA | -0.5104589 | -0.33334601 | -0.4186226 | -1.50425919 | 1.0769976 |
| ## | C8.A138.03TCGA | -2.0623430 | 0.08074051 | -0.0326308 | 2.03730996 | 0.2562832 |
| ## | | NP_001758 | NP_001121077 | NP_001153865 | NP_056166 | NP_004580 |
| ## | A0.A12D.01TCGA | 1.9990533 | -1.3878572 | -0.4354077 | 1.6790303 | 0.7837277 |
| ## | C8.A131.01TCGA | 0.2540763 | 1.3510520 | 0.2095496 | 1.0919876 | 0.2945551 |
| ## | A0.A12B.01TCGA | -2.9407510 | 2.0589878 | 1.3439476 | -1.7989038 | 1.6876103 |
| ## | BH.A18Q.02TCGA | -2.2267158 | 2.4902726 | -1.3636073 | -0.3733743 | -0.5473341 |
| ## | C8.A130.02TCGA | -2.0355979 | -1.1500334 | 1.2705099 | -0.3530252 | 2.0937570 |
| ## | C8.A138.03TCGA | 1.9385672 | -0.9652013 | 0.0331977 | 2.7943378 | -0.2520592 |
| ## | | NP_872584 | NP_006085 | NP_036576 | NP_005862 | NP_001004304 |
| ## | A0.A12D.01TCGA | NA | NA | -0.6487564 | -0.2525374 | -1.1211714 |
| ## | C8.A131.01TCGA | NA | NA | -0.3733453 | -0.2478610 | -0.3531059 |
| ## | A0.A12B.01TCGA | NA | NA | -1.7185311 | 0.3988750 | 0.4709333 |
| ## | BH.A18Q.02TCGA | -0.51388030 | 0.4228266 | -0.5071895 | -0.8015831 | -0.2596313 |
| ## | C8.A130.02TCGA | 0.01104023 | 0.6932529 | -0.1365539 | 1.0441989 | 0.4931809 |
| ## | C8.A138.03TCGA | 0.96942533 | 1.7630245 | 1.1303395 | -0.4641732 | 0.7646255 |
| ## | | NP_003434 | NP_057484 | NP_001186814 | NP_060123 | NP_001735 |
| ## | A0.A12D.01TCGA | -0.1306238 | -0.2296786 | 0.9437393 | 0.8713531 | 0.09415427 |
| ## | C8.A131.01TCGA | -2.1422692 | -0.1952385 | -0.1102330 | 0.6588644 | 1.60606851 |
| ## | A0.A12B.01TCGA | -3.2151270 | -0.2385640 | -1.0228911 | 0.2824731 | -1.70190222 |
| ## | BH.A18Q.02TCGA | NA | -1.9791576 | -10.5901705 | 0.3391921 | 1.66730867 |
| ## | C8.A130.02TCGA | NA | -0.3366259 | 0.9294035 | 0.3193479 | -0.55637709 |
| ## | C8.A138.03TCGA | NA | -0.8262300 | 0.9365111 | 0.5854257 | -0.59583023 |
| ## | | NP_002382 | NP_775930 | NP_001910 | NP_001454 | NP_004223 |
| ## | A0.A12D.01TCGA | 1.0313646 | -2.0583817 | -3.456577625 | NA | 0.143681641 |
| ## | C8.A131.01TCGA | -1.0210062 | -1.9155879 | -2.154412876 | NA | 0.233836872 |
| ## | A0.A12B.01TCGA | 0.4626189 | 1.1083723 | 2.984660100 | NA | 0.437675608 |
| ## | BH.A18Q.02TCGA | -1.1193944 | 0.8409994 | 0.620204149 | 0.7941640 | -1.189647437 |
| ## | C8.A130.02TCGA | 2.6972528 | 0.1028766 | -0.002079251 | 0.9097243 | 3.008840369 |
| ## | C8.A138.03TCGA | 1.6496532 | -0.1789164 | 1.313196410 | 0.1721690 | 0.007597728 |
| ## | | NP_001129491 | NP_958437 | NP_001819 | NP_689490 | NP_079230 |
| ## | A0.A12D.01TCGA | -1.04497539 | -0.10776504 | -4.2261569 | 1.4542522 | 2.68862682 |
| ## | C8.A131.01TCGA | 2.21729853 | 1.46844055 | 4.4152979 | -0.2721482 | 0.06382587 |
| ## | A0.A12B.01TCGA | -0.56005499 | 0.09678432 | -2.9185793 | -0.2635073 | 0.19101443 |
| ## | BH.A18Q.02TCGA | -0.09236219 | -1.90555916 | -5.8999451 | -0.9688522 | -0.77816547 |
| ## | C8.A130.02TCGA | -0.14967335 | 0.72933151 | -3.4197026 | -1.1041152 | -0.31694666 |
| ## | C8.A138.03TCGA | 0.55251146 | 0.84142546 | 0.5525115 | 0.2672546 | NA |
| ## | | NP_078865 | NP_001034796 | NP_003964 | NP_073607 | NP_060886 |
| ## | A0.A12D.01TCGA | 0.1970188 | -1.8564624 | -0.2030100 | -2.2945892 | 0.002719109 |
| ## | C8.A131.01TCGA | 0.2945551 | 0.1043047 | 1.7963189 | 0.3957521 | -0.211430030 |
| ## | A0.A12B.01TCGA | 0.5956496 | -0.3466515 | -2.7522908 | -0.9120322 | -1.053377337 |
| ## | BH.A18Q.02TCGA | -0.3064666 | -0.6108964 | -3.1968766 | 0.3759913 | -0.443627282 |
| ## | C8.A130.02TCGA | -0.5662167 | -0.2841480 | 1.5165000 | 0.2111122 | 0.660454260 |
| ## | C8.A138.03TCGA | -0.5409731 | 0.8523969 | 0.8889683 | -1.7697719 | 0.592739994 |
| ## | | NP_001013685 | NP_001929 | NP_060822 | NP_001035088 | NP_001014446 |
| ## | A0.A12D.01TCGA | 0.22368740 | -0.6297074 | -0.1801512 | 0.38750872 | 2.3076470 |
| ## | C8.A131.01TCGA | -0.08594572 | -0.4664465 | -0.5109732 | 0.74386987 | 0.8410190 |
| ## | A0.A12B.01TCGA | 2.38879322 | -1.3748683 | -0.8593742 | -0.01684611 | -3.5005888 |
| ## | BH.A18Q.02TCGA | -1.04245064 | 1.5067303 | -0.6209325 | -7.17119021 | -1.0190330 |
| ## | C8.A130.02TCGA | 0.25703039 | 0.1651941 | -0.6154147 | -3.85264530 | -0.4973395 |
| ## | C8.A138.03TCGA | 0.73536842 | 0.6841685 | -0.6872587 | NA | -3.6019986 |
| ## | | NP_004081 | NP_006223 | NP_002687 | NP_115569 | NP_004046 |
| ## | A0.A12D.01TCGA | -1.4792924 | -0.8240071 | -0.1153846 | -0.5954192 | NA |
| ## | C8.A131.01TCGA | 0.5293322 | -0.1952385 | 0.3188424 | 0.4362309 | NA |

```

## A0.A12B.01TCGA 0.4737048 -0.1471054 -0.2163922 1.0612572 NA -1.0145767
## BH.A18Q.02TCGA 0.1485053 -0.9655069 0.6536580 -0.9253623 NA -3.3240011
## C8.A130.02TCGA -0.1955915 0.8408470 0.4308634 -0.1168747 NA 0.3029486
## C8.A138.03TCGA -1.0529726 -0.2557163 0.0514834 0.6512542 3.27708 -0.1789164
## NP_001634 NP_852615 NP_114129 NP_079185 NP_001026892
## A0.A12D.01TCGA -1.0297362 -0.42778808 -0.70971315 -0.2258688 -0.2258688
## C8.A131.01TCGA 0.4726618 -2.04512009 -2.27180142 -0.9440965 -0.9440965
## A0.A12B.01TCGA -2.1647384 2.11441730 0.56793488 1.0418569 1.0418569
## BH.A18Q.02TCGA -0.4335911 0.76740095 0.31242902 -0.6209325 -0.3800650
## C8.A130.02TCGA 1.6050565 -0.05455715 0.68997308 0.4636621 0.7260516
## C8.A138.03TCGA -2.8303423 -0.41297328 0.04051198 -1.6417720 -1.5942292
## NP_003661 NP_110389 NP_002205 NP_060603 NP_848597
## A0.A12D.01TCGA 0.3265520 0.76086894 -5.5329176 0.6465750 -1.22784570
## C8.A131.01TCGA -0.5231169 -0.05761056 0.9179287 -0.8509952 0.03549071
## A0.A12B.01TCGA 0.8339964 0.77302395 -4.0354832 0.4820192 0.69542268
## BH.A18Q.02TCGA -1.9758122 -2.37056723 -1.1996836 0.9145978 -0.73467550
## C8.A130.02TCGA 0.4997407 0.38166541 -0.5137388 0.7883691 0.23735118
## C8.A138.03TCGA -1.3016581 3.07593749 NA -0.6506873 0.04416912
## NP_073614 NP_054740 NP_003607 NP_055215 NP_002105
## A0.A12D.01TCGA -0.7973385 -0.4773155 -1.67359208 0.28083438 0.1246326
## C8.A131.01TCGA -0.3773931 -0.6283618 -0.79837276 -0.66074481 -1.7293854
## A0.A12B.01TCGA 0.7730239 0.2353580 -1.13375008 -0.04456085 0.0995558
## BH.A18Q.02TCGA -1.8553784 -4.2004911 -0.06225375 -1.97915756 1.4766219
## C8.A130.02TCGA -1.1205145 -2.1667927 2.51030030 0.01104023 0.1553545
## C8.A138.03TCGA 0.7426827 NA 2.09948133 2.29330971 0.7463398
## NP_006725 NP_002561 NP_071393 NP_002615 NP_001035926
## A0.A12D.01TCGA 0.5665692 NA 1.1456586 -0.9421108 -0.004900488
## C8.A131.01TCGA 1.8651329 NA 1.3389084 -0.2397652 -0.150711816
## A0.A12B.01TCGA -1.2307517 NA 0.2519869 1.0612572 -1.724074015
## BH.A18Q.02TCGA -1.5944386 -1.0692137 -0.8818723 0.1819591 1.352842777
## C8.A130.02TCGA -1.1205145 -0.1824720 1.0769976 0.0241597 0.099596684
## C8.A138.03TCGA 2.2091955 -0.1752592 -1.3711437 0.3367403 -0.562915982
## NP_002414 NP_001311 NP_115664 NP_523353 NP_001437
## A0.A12D.01TCGA -6.096768 -0.02775928 1.80094384 -1.32309065 7.7670878
## C8.A131.01TCGA -6.582795 -0.36120162 3.50857254 0.05977799 -0.4826381
## A0.A12B.01TCGA -5.656795 0.44599003 -0.56005499 -1.26400935 -2.7800056
## BH.A18Q.02TCGA -1.751672 0.67038488 -2.20998890 0.97481463 7.8462290
## C8.A130.02TCGA -5.833686 -0.12671427 1.52633964 0.69653282 0.1258356
## C8.A138.03TCGA -6.845881 0.52691149 0.00028345 1.55456759 -8.5427936
## NP_001243727 NP_003778 NP_064617 NP_061982 NP_116244
## A0.A12D.01TCGA -1.197367313 -0.4468371 -0.50779385 0.1093935 -0.6563760
## C8.A131.01TCGA 0.201453825 0.3066987 -0.06165844 1.3510520 -0.6445533
## A0.A12B.01TCGA -0.970233121 -1.2917241 -0.80117322 -2.2894547 3.4197815
## BH.A18Q.02TCGA 0.837653970 0.7874732 0.41948124 -1.5676756 -1.8018523
## C8.A130.02TCGA 0.001200618 -0.2513493 0.93924311 -1.3337060 -2.3996634
## C8.A138.03TCGA 0.307483139 -0.8920585 -1.82097186 2.9881661 -1.4406294
## NP_059105 NP_061824 NP_008828 NP_002139 NP_076922 NP_872604
## A0.A12D.01TCGA -0.2106296 -0.6792348 NA -0.6792348 NA 2.8638775
## C8.A131.01TCGA 0.3593212 0.3593212 NA 0.3593212 NA 1.6870261
## A0.A12B.01TCGA -1.8737336 -2.7245761 NA -2.7245761 NA -2.4668290
## BH.A18Q.02TCGA 0.4696620 2.0720999 0.610168 2.0720999 0.6101680 1.8446139
## C8.A130.02TCGA 1.4181040 2.5332594 2.533259 2.5332594 2.5332594 -1.6092150
## C8.A138.03TCGA 0.4574258 -1.2724010 -1.272401 -1.2724010 -0.7640586 -0.1021164
## NP_872606 NP_001230655 NP_002938 NP_115708 NP_536355

```

| | | | | | | |
|----|----------------|-------------|--------------|-------------|--------------|--------------|
| ## | A0.A12D.01TCGA | 2.86387753 | 0.6541946 | -1.29261227 | 0.14368164 | -0.6830446 |
| ## | C8.A131.01TCGA | 1.68702613 | 0.1528793 | -1.72128962 | 0.23383687 | 0.3674169 |
| ## | A0.A12B.01TCGA | -2.46682901 | -1.2279802 | 1.85112729 | 0.14112790 | 1.9758436 |
| ## | BH.A18Q.02TCGA | 1.72083478 | -1.9457037 | 0.95139695 | -0.33992045 | 0.7707463 |
| ## | C8.A130.02TCGA | -1.59281565 | -1.6715325 | 0.04055904 | 0.89332495 | -0.2513493 |
| ## | C8.A138.03TCGA | -0.05823078 | 1.0133110 | -0.84817284 | -0.07651647 | -1.5942292 |
| ## | | NP_060298 | XP_001718574 | NP_055049 | NP_001186136 | NP_115976 |
| ## | A0.A12D.01TCGA | -0.9230618 | NA | -1.0335460 | 2.22764124 | -1.2049869 |
| ## | C8.A131.01TCGA | 0.1974059 | NA | -0.5028775 | -0.06165844 | 1.9825214 |
| ## | A0.A12B.01TCGA | -0.4658249 | NA | 3.0816617 | -0.53234025 | -0.3715948 |
| ## | BH.A18Q.02TCGA | 0.4863889 | NA | -0.5807879 | -1.00230605 | 1.7977786 |
| ## | C8.A130.02TCGA | 0.1487947 | NA | 0.2176720 | 1.07371774 | -0.5137388 |
| ## | C8.A138.03TCGA | -0.2959448 | NA | -1.9453146 | 0.38428306 | -0.3617733 |
| ## | | NP_919255 | NP_057163 | NP_056997 | NP_057547 | NP_005501 |
| ## | A0.A12D.01TCGA | -1.4107160 | -0.157292414 | 0.57418883 | NA | -0.5154134 |
| ## | C8.A131.01TCGA | 0.2378848 | 2.464219264 | 0.68315165 | NA | 1.6344037 |
| ## | A0.A12B.01TCGA | 1.5130075 | 0.002554209 | 0.06906958 | NA | 1.1721162 |
| ## | BH.A18Q.02TCGA | 0.2321399 | 0.128433016 | 0.45293506 | -2.624816 | 0.8945255 |
| ## | C8.A130.02TCGA | 1.5755377 | 2.093756955 | 0.32590764 | -2.350465 | 0.9556425 |
| ## | C8.A138.03TCGA | 1.3168535 | -0.701887270 | -1.43697224 | -0.248402 | -0.3398305 |
| ## | | NP_004605 | NP_001258864 | NP_061964 | NP_000392 | NP_001121369 |
| ## | A0.A12D.01TCGA | 0.9627882 | 0.4408459 | 0.6046672 | 0.6732436 | 0.05605628 |
| ## | C8.A131.01TCGA | 1.1729452 | 1.0555567 | 0.2095496 | 0.9665033 | 1.03126941 |
| ## | A0.A12B.01TCGA | 0.9005117 | 1.6931533 | -0.2080778 | -1.2640094 | -2.32548385 |
| ## | BH.A18Q.02TCGA | -0.5306072 | -0.4269004 | -1.5174949 | 0.3826820 | -0.97888838 |
| ## | C8.A130.02TCGA | -0.3071071 | 0.1422350 | 1.9100843 | -0.1595130 | -0.11359479 |
| ## | C8.A138.03TCGA | -0.7384587 | -0.7055444 | 0.1831404 | 0.8194826 | 2.09582419 |
| ## | | NP_056087 | NP_004058 | NP_689795 | NP_001019907 | NP_065747 |
| ## | A0.A12D.01TCGA | 0.05605628 | NA | NA | 1.5837853 | 0.9323099 |
| ## | C8.A131.01TCGA | 1.03126941 | NA | NA | 1.2417592 | -0.2883398 |
| ## | A0.A12B.01TCGA | -2.32548385 | NA | NA | -2.1730528 | -0.3383371 |
| ## | BH.A18Q.02TCGA | -0.97888838 | -8.0844795 | 1.600401 | -1.0524868 | -1.6948001 |
| ## | C8.A130.02TCGA | -0.11359479 | -8.7986876 | -3.052357 | 1.5427390 | 0.4702219 |
| ## | C8.A138.03TCGA | 2.09582419 | -0.7567444 | NA | 0.9730825 | 0.4171973 |
| ## | | NP_112181 | NP_378669 | NP_065390 | NP_004039 | NP_001138528 |
| ## | A0.A12D.01TCGA | 0.42179691 | 1.03517441 | -0.93449124 | 1.5723560 | -0.64875638 |
| ## | C8.A131.01TCGA | 0.07596952 | 1.04341306 | -2.44586030 | -1.3205494 | -1.25173543 |
| ## | A0.A12B.01TCGA | 0.50141951 | -0.03624642 | 0.09124137 | 1.4354062 | -0.29399349 |
| ## | BH.A18Q.02TCGA | -1.20637435 | -0.87518154 | -0.82165543 | 3.6979555 | 2.24605973 |
| ## | C8.A130.02TCGA | 0.05367852 | 1.07371774 | 1.00812036 | -1.1369139 | -0.55637709 |
| ## | C8.A138.03TCGA | -1.81365758 | -0.19354493 | -0.83720142 | -0.1642878 | -0.02165938 |
| ## | | NP_065161 | NP_443192 | NP_078942 | NP_071343 | NP_006795 |
| ## | A0.A12D.01TCGA | -0.02775928 | -3.468007 | -1.0792636 | 1.5418776 | 6.2317391 |
| ## | C8.A131.01TCGA | -1.10196383 | -1.765816 | -0.6971757 | -0.8469473 | 0.1812144 |
| ## | A0.A12B.01TCGA | -0.59331267 | 4.154222 | 0.3323596 | -0.5600550 | -0.7984017 |
| ## | BH.A18Q.02TCGA | 2.17246133 | 1.894795 | -1.0290691 | -0.2997759 | -2.5545632 |
| ## | C8.A130.02TCGA | -0.62853420 | -1.228750 | 0.1323954 | 1.0605983 | -0.1398337 |
| ## | C8.A138.03TCGA | 0.10268335 | -3.192399 | 0.3696545 | 0.4062259 | 2.2933097 |
| ## | | NP_009046 | NP_071738 | NP_005660 | NP_612638 | NP_006387 |
| ## | A0.A12D.01TCGA | -1.2468947 | 0.1322522 | 5.3135778 | 0.03319749 | -1.1897477 |
| ## | C8.A131.01TCGA | -1.5877095 | 1.3834351 | -1.3407888 | -1.30840576 | -0.7497982 |
| ## | A0.A12B.01TCGA | -2.3698274 | -3.3731010 | -0.1831345 | 3.02068926 | 0.9559412 |
| ## | BH.A18Q.02TCGA | -0.9320530 | 3.5139595 | -0.5239164 | 1.56360183 | -2.2735512 |
| ## | C8.A130.02TCGA | 2.4840614 | -0.2415097 | -2.2192706 | -0.85812502 | 0.3521466 |

```

## C8.A138.03TCGA 0.9547968 -0.1752592 3.1234803 0.33308311 -0.5848588
## NP_006457 XP_003118566 XP_003403810 NP_005239 NP_003480
## A0.A12D.01TCGA -0.61446819 0.4446557 1.663791 0.2236874 2.0752493
## C8.A131.01TCGA -0.89956979 0.2864593 2.310400 4.4193458 0.4645661
## A0.A12B.01TCGA 1.32731872 -2.7301190 -2.303312 -1.8681907 0.4903336
## BH.A18Q.02TCGA 0.07825229 -9.0345679 -7.468929 0.7640556 -0.4636996
## C8.A130.02TCGA 0.74901072 -2.2061511 1.277070 1.1360352 -1.2090710
## C8.A138.03TCGA 0.31479742 4.4034790 7.321876 -0.6433730 NA
## NP_002190 NP_002189 NP_001153620 NP_001153619 NP_001163873
## A0.A12D.01TCGA -0.008710286 1.04660381 1.3856758 1.3856758 -0.04680827
## C8.A131.01TCGA -0.312627053 -0.83885157 0.7722050 0.7722050 0.13263985
## A0.A12B.01TCGA -0.948061330 0.03858337 -1.7129881 -1.7129881 3.28397928
## BH.A18Q.02TCGA 0.476352729 1.47996729 -1.6513101 -1.6513101 NA
## C8.A130.02TCGA -0.723650401 -1.72073054 0.5751777 0.5751777 NA
## C8.A138.03TCGA 0.106340485 0.36234023 1.7739959 1.8032531 7.29993322
## NP_338599 NP_653190 NP_002613 NP_055419 NP_060016
## A0.A12D.01TCGA 0.69991217 2.9438833 0.08272487 0.55894964 0.41036751
## C8.A131.01TCGA -0.05761056 0.7114868 0.03549071 1.21747194 0.31884237
## A0.A12B.01TCGA 0.20487180 -0.4852252 0.63445025 -0.77345848 -0.04178937
## BH.A18Q.02TCGA 0.12508763 0.3157744 0.47969811 0.19868604 -1.13612133
## C8.A130.02TCGA -0.20215125 0.2078324 0.13895511 0.67357374 -0.07423637
## C8.A138.03TCGA -0.33983049 1.4119392 0.53056863 0.09902621 0.33308311
## NP_057302 NP_056146 NP_003353 NP_550433 NP_001160165
## A0.A12D.01TCGA 0.5208517 1.3285289 0.68848278 0.6884828 NA
## C8.A131.01TCGA 0.1447835 0.5657631 -2.04107221 -2.0410722 NA
## A0.A12B.01TCGA 0.3212737 0.1023273 0.39333203 0.3933320 NA
## BH.A18Q.02TCGA -2.4374749 -0.2863943 2.36983886 2.3698389 0.3994089
## C8.A130.02TCGA -0.0709565 -0.7564491 1.43778318 1.4377832 -0.1431136
## C8.A138.03TCGA -1.6015435 -0.6287445 0.05879768 -0.2557163 NA
## NP_005926 NP_001526 NP_071929 NP_550438 NP_001012241
## A0.A12D.01TCGA NA 1.3932954 NA 0.2732148 2.36860377
## C8.A131.01TCGA NA -0.3409622 NA -1.1869693 -0.17499910
## A0.A12B.01TCGA NA -0.2330211 NA 0.8284534 -0.36882329
## BH.A18Q.02TCGA 0.3994089 3.5574494 -0.7212940 0.4094451 0.31242902
## C8.A130.02TCGA -0.1431136 1.0966768 -2.8457256 -0.7531692 0.07335773
## C8.A138.03TCGA NA -0.7092015 0.5305686 0.5415400 1.47411053
## NP_078916 NP_005244 NP_061974 NP_059965 NP_001137414
## A0.A12D.01TCGA -1.4831022 0.6694338 0.4522753 -1.1745085 -3.9861396
## C8.A131.01TCGA -0.7417024 1.1486580 0.6143377 -0.6121702 -3.1825746
## A0.A12B.01TCGA 0.3018734 -0.2496499 -3.2234414 -0.4990826 -4.2655156
## BH.A18Q.02TCGA -1.1160490 -1.4137880 -1.3201173 1.6037464 1.6974171
## C8.A130.02TCGA -1.1598730 1.0441989 0.1881531 -0.3300661 -0.1595130
## C8.A138.03TCGA -1.0237155 -1.1480582 -0.3764019 -0.4641732 -0.7969729
## NP_694565 NP_003383 NP_110402 NP_031390 NP_065878
## A0.A12D.01TCGA -3.98613957 NA NA 2.39527236 -0.31349414
## C8.A131.01TCGA -3.18257463 NA NA 3.36689671 1.46439267
## A0.A12B.01TCGA -4.26551556 NA NA -0.30507939 -0.06673264
## BH.A18Q.02TCGA 1.60374642 -3.9295152 -2.6080893 -0.07563528 -2.81215764
## C8.A130.02TCGA -0.07751624 0.2635901 -0.9270023 0.46366213 0.68997308
## C8.A138.03TCGA -0.70920155 0.5049687 2.7248521 0.39891162 -0.47880178
## NP_001229430 NP_443082 NP_056106 NP_001016 NP_477517
## A0.A12D.01TCGA -0.06585726 -0.603038799 0.71515137 1.1685173 -0.4201685
## C8.A131.01TCGA 0.20954959 -1.421746428 0.40384787 1.0555567 0.4564703
## A0.A12B.01TCGA -0.70417163 1.654352639 -0.47968225 -1.1282071 0.5984211

```

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## BH.A18Q.02TCGA 0.94136081 0.001308505 -1.07924984 -0.9521253 -0.4369365
## C8.A130.02TCGA -0.10375519 -0.251349285 0.03727918 1.3131482 0.1586343
## C8.A138.03TCGA -0.38005902 -0.687258714 -0.12405928 -0.1130879 -0.2813163
## NP_003256 NP_003191 NP_996919 NP_001230161 NP_001230156
## AO.A12D.01TCGA NA 1.0123156 0.85230410 1.3818660 1.3818660
## C8.A131.01TCGA NA 1.1162749 1.69512189 2.1120536 2.1120536
## AO.A12B.01TCGA NA -0.7124861 -0.13601948 -0.3494230 -0.3494230
## BH.A18Q.02TCGA 0.6737303 -0.3967919 0.56333266 -0.3967919 -0.3967919
## C8.A130.02TCGA -0.9138828 -0.7498894 0.33246737 1.8018486 1.8018486
## C8.A138.03TCGA -2.5670282 -0.1130879 -0.05457364 0.2123975 0.2123975
## NP_001230162 NP_001129611 NP_001124435 NP_996923 NP_872431
## AO.A12D.01TCGA 1.3818660 1.5723560 2.9591225 1.38186604 -0.5306526
## C8.A131.01TCGA 2.1120536 1.3186690 1.0231737 2.11205362 -0.3288186
## AO.A12B.01TCGA -0.3494230 -0.8372024 -0.8649171 -0.34942297 -2.3227124
## BH.A18Q.02TCGA -0.3967919 -0.3967919 -0.7179486 1.65058176 -4.6588084
## C8.A130.02TCGA 1.8018486 -0.7498894 0.1520746 0.83428731 -0.1923116
## C8.A138.03TCGA 0.2123975 -1.3418866 NA -0.05457364 -0.5153732
## NP_002759 NP_443161 NP_115604 NP_060311 NP_000212
## AO.A12D.01TCGA 0.04462689 2.0485807 0.86373349 -0.06966706 -2.2488716
## C8.A131.01TCGA 1.86918077 2.7232836 -1.33269305 1.37533929 -0.6809842
## AO.A12B.01TCGA -2.41971396 0.9753415 0.03858337 2.03404456 -0.4713678
## BH.A18Q.02TCGA -0.62093252 -1.4070973 -3.12662353 -4.32761562 -1.1127037
## C8.A130.02TCGA 1.77888954 0.3488667 -2.08807585 -0.60229525 1.8510467
## C8.A138.03TCGA -0.46783036 4.2645077 2.41765244 1.26565360 -1.7880576
## NP_078960 NP_061332 NP_079184 NP_116145 NP_036452
## AO.A12D.01TCGA -0.86591487 3.789658 NA -0.68685436 -0.18396100
## C8.A131.01TCGA -1.24768755 1.626308 NA 1.97037779 1.40772234
## AO.A12B.01TCGA -1.64924422 -1.815533 NA -0.05841822 -1.71575959
## BH.A18Q.02TCGA -1.49742257 -1.581057 -1.92563145 -3.59832238 1.30935281
## C8.A130.02TCGA -0.06767663 -1.327146 0.94908272 0.54565885 -0.08407597
## C8.A138.03TCGA -0.86280139 1.938567 0.01491201 NA 0.06611196
## NP_001098 NP_004744 NP_009151 NP_071384 NP_689557
## AO.A12D.01TCGA -1.4831022 2.2238314 -0.2449178 -0.8621051 -0.2449178
## C8.A131.01TCGA -1.4986562 1.5979727 0.3471775 -0.8307558 -0.4138241
## AO.A12B.01TCGA 0.7979672 -0.6376563 -0.4491960 0.4986480 0.4709333
## BH.A18Q.02TCGA -0.5841333 2.4969634 0.9212885 -0.7781655 -0.6142418
## C8.A130.02TCGA -0.7269303 0.8047685 -1.5829760 2.3627062 0.3587063
## C8.A138.03TCGA -0.2191449 -1.2724010 0.8779968 -1.7332005 -0.7604015
## NP_002346 NP_002928 NP_001265172 NP_001229840 NP_060896
## AO.A12D.01TCGA 0.147491439 0.67324359 2.9819813 1.503779586 3.199139769
## C8.A131.01TCGA 0.120496206 -1.22340026 1.9379947 0.003107659 -0.000940222
## AO.A12B.01TCGA -1.419211889 0.35730287 -1.3305247 -0.402080977 0.789652790
## BH.A18Q.02TCGA 0.007999269 -1.55429406 -0.3165028 -0.269667426 -2.464237926
## C8.A130.02TCGA -0.631814073 0.24063104 0.7883691 2.175753676 -1.277948240
## C8.A138.03TCGA 0.058797676 0.02588342 -0.5958302 -1.788057602 1.635024657
## NP_061944 NP_775891 NP_068590 NP_054895 NP_036332
## AO.A12D.01TCGA -1.3230907 -1.6850215 -0.08871605 -0.18777080 0.4865635
## C8.A131.01TCGA -0.3854889 -2.2798972 0.21359747 -0.05356267 -0.9805274
## AO.A12B.01TCGA 0.9032832 2.4137365 -2.37537038 -0.51848288 0.7259089
## BH.A18Q.02TCGA 0.2589029 2.6040156 1.15546525 -0.71794859 -1.8721053
## C8.A130.02TCGA 0.2767096 -1.9142428 -1.14347362 1.92320377 1.2081924
## C8.A138.03TCGA 0.4208545 -0.7604015 0.06611196 -0.29594482 -0.8116014
## NP_001035533 NP_001128573 NP_940863 NP_001658 NP_653219
## AO.A12D.01TCGA 1.26757210 1.4085346 NA -0.7592405 1.9076182

```

| | | | | | | |
|----|----------------|-------------|-------------|--------------|--------------|--------------|
| ## | C8.A131.01TCGA | -0.89552191 | 0.9665033 | NA | -1.5674701 | 0.7641093 |
| ## | A0.A12B.01TCGA | 0.86725406 | 2.0118728 | NA | 0.1050987 | 1.0584858 |
| ## | BH.A18Q.02TCGA | 1.82119624 | 2.2494051 | NA | 0.6636941 | 0.4997704 |
| ## | C8.A130.02TCGA | -0.12015453 | -1.1631528 | NA | 0.7194919 | -0.7826880 |
| ## | C8.A138.03TCGA | -0.07651647 | -1.0749155 | -0.6068017 | -0.2849734 | 0.1136548 |
| ## | | NP_036360 | NP_115909 | NP_056327 | NP_001003787 | NP_001159441 |
| ## | A0.A12D.01TCGA | 0.07510527 | -1.0678342 | -2.5422261 | -0.2525374 | -0.2525374 |
| ## | C8.A131.01TCGA | -0.25595672 | 0.3633691 | 0.7033911 | 0.3188424 | 0.3188424 |
| ## | A0.A12B.01TCGA | 1.11945818 | 1.0501713 | -0.7208005 | 0.3351311 | 0.3351311 |
| ## | BH.A18Q.02TCGA | -0.04552684 | -0.2362136 | -1.4171334 | 0.2823206 | 0.1986860 |
| ## | C8.A130.02TCGA | 1.32954751 | 0.4210238 | -1.2090710 | -0.9073231 | -0.6482134 |
| ## | C8.A138.03TCGA | -1.63445776 | -0.3361734 | 2.0299957 | -0.7201730 | -0.7201730 |
| ## | | NP_699166 | NP_057709 | NP_001258763 | NP_004417 | NP_001162580 |
| ## | A0.A12D.01TCGA | -0.2525374 | 0.30369316 | 0.60847702 | NA | 2.7533934 |
| ## | C8.A131.01TCGA | 0.3188424 | 0.04358647 | 0.34312966 | NA | 0.2338369 |
| ## | A0.A12B.01TCGA | 0.3351311 | -0.49353961 | -0.08336148 | NA | 0.2630728 |
| ## | BH.A18Q.02TCGA | 0.1986860 | 0.61685877 | 0.76740095 | -0.05890837 | -0.5306072 |
| ## | C8.A130.02TCGA | -0.6482134 | 0.98844115 | 1.02779957 | 1.71001230 | 1.4246637 |
| ## | C8.A138.03TCGA | -0.8701157 | -0.94691559 | -0.97982985 | -0.24840201 | -0.4641732 |
| ## | | NP_057510 | NP_054762 | NP_076423 | NP_055289 | NP_620419 |
| ## | A0.A12D.01TCGA | NA | 0.9246903 | 1.549497164 | 0.2541658 | 5.279290 |
| ## | C8.A131.01TCGA | NA | 0.6143377 | -1.850821806 | 2.7151879 | -1.118155 |
| ## | A0.A12B.01TCGA | NA | -2.9684658 | -2.979551681 | 0.7480807 | -1.205808 |
| ## | BH.A18Q.02TCGA | -6.716218 | -2.7251777 | -0.858454633 | -0.7614386 | -4.595246 |
| ## | C8.A130.02TCGA | -1.432102 | 1.3918650 | -1.012278862 | -0.9893198 | -5.016999 |
| ## | C8.A138.03TCGA | -3.814113 | 1.8837101 | -0.007030829 | -0.7860015 | -3.283828 |
| ## | | NP_689498 | NP_055962 | NP_006692 | NP_002789 | NP_005481 |
| ## | A0.A12D.01TCGA | 0.6503848 | -0.67923476 | -0.2106296 | -1.2545143 | -0.4696959 |
| ## | C8.A131.01TCGA | -0.1507118 | -1.04934138 | -0.4178720 | -0.4178720 | 0.6871995 |
| ## | A0.A12B.01TCGA | 0.7453092 | 1.25803187 | 0.2686157 | 1.2081453 | 0.8561682 |
| ## | BH.A18Q.02TCGA | -0.3934466 | -1.64127399 | 0.7306018 | -3.5180332 | 0.4094451 |
| ## | C8.A130.02TCGA | 0.2143921 | 0.08975708 | -0.2185506 | 2.0052005 | 0.9982808 |
| ## | C8.A138.03TCGA | 0.5744543 | 0.73536842 | -0.9432585 | 0.3403974 | -0.3325162 |
| ## | | NP_001736 | NP_002494 | NP_056298 | NP_001138368 | NP_055072 |
| ## | A0.A12D.01TCGA | 1.30186028 | -0.01252008 | 0.002719109 | -2.6260416 | -2.6260416 |
| ## | C8.A131.01TCGA | -0.02522751 | 0.29050720 | 0.974599082 | 1.9420426 | 1.9420426 |
| ## | A0.A12B.01TCGA | 3.45581066 | -0.39376656 | 1.014142174 | -3.7749647 | -3.7749647 |
| ## | BH.A18Q.02TCGA | -1.71821777 | -1.60112941 | -0.346611208 | 2.9117907 | 2.9151361 |
| ## | C8.A130.02TCGA | -0.10703506 | 1.64113505 | -0.028318202 | -2.0913557 | -2.4685406 |
| ## | C8.A138.03TCGA | 0.61833997 | 1.31319641 | 0.695139891 | -0.2264592 | -0.2557163 |
| ## | | NP_055082 | NP_005202 | NP_057259 | NP_005639 | NP_060212 |
| ## | A0.A12D.01TCGA | -1.2545143 | -0.6068486 | -1.19736731 | -0.93830104 | 0.6846730 |
| ## | C8.A131.01TCGA | -0.3652495 | 0.4807576 | -0.96433588 | 0.04763435 | 3.6016738 |
| ## | A0.A12B.01TCGA | 1.6959247 | -2.2340252 | 2.32227784 | 0.44044708 | -2.4557431 |
| ## | BH.A18Q.02TCGA | -1.8353061 | 0.6034772 | NA | -0.70791245 | -1.8118885 |
| ## | C8.A130.02TCGA | -1.0549172 | -0.1332740 | NA | 1.60505649 | 0.9523626 |
| ## | C8.A138.03TCGA | -0.9432585 | -2.2086286 | 0.09902621 | 0.45011157 | -1.2358296 |
| ## | | NP_938080 | NP_115649 | NP_113618 | NP_056525 | NP_055622 |
| ## | A0.A12D.01TCGA | 2.5705231 | 0.7837277 | -0.3401627 | -1.6050157 | 1.160898 |
| ## | C8.A131.01TCGA | 1.5939249 | -0.3652495 | 1.3753393 | -0.7821812 | 1.731553 |
| ## | A0.A12B.01TCGA | -0.9979479 | -0.4685963 | 0.9642556 | -0.1997634 | 1.058486 |
| ## | BH.A18Q.02TCGA | -9.9445118 | 0.6168588 | NA | -0.7681293 | -6.518841 |
| ## | C8.A130.02TCGA | 1.9920810 | 0.4144641 | NA | 0.8670860 | -1.769929 |
| ## | C8.A138.03TCGA | 1.2839393 | -0.2849734 | NA | -0.9615442 | 3.686680 |

| | | | | | | |
|----|----------------|-------------|--------------|--------------|--------------|--------------|
| ## | | NP_004278 | NP_116019 | NP_001092755 | XP_001126659 | XP_003119575 |
| ## | AO.A12D.01TCGA | 0.1513012 | -1.1783183 | 2.2733588 | 2.30002740 | 3.9268112 |
| ## | C8.A131.01TCGA | 0.5333801 | 0.6912474 | 0.4200394 | 0.03549071 | 1.1729452 |
| ## | AO.A12B.01TCGA | -0.7873158 | 1.2247742 | -1.0118052 | -2.33656974 | -0.7485152 |
| ## | BH.A18Q.02TCGA | -0.7045671 | -0.9822338 | -4.7457884 | -5.11043498 | -7.6161260 |
| ## | C8.A130.02TCGA | 0.6473348 | -0.7728484 | 0.1159960 | 0.23079144 | -0.7236504 |
| ## | C8.A138.03TCGA | -1.0749155 | -1.3784580 | -0.5702303 | -0.14965926 | -0.7092015 |
| ## | | NP_079479 | NP_056303 | NP_072094 | NP_001070867 | NP_115712 |
| ## | AO.A12D.01TCGA | NA | 0.1284424 | 0.05224649 | 0.1970188 | -2.9384451 |
| ## | C8.A131.01TCGA | NA | 2.1930112 | 2.24968157 | 1.3672435 | 1.1041313 |
| ## | AO.A12B.01TCGA | NA | -0.7873158 | -0.85660269 | -0.7318864 | -1.5162135 |
| ## | BH.A18Q.02TCGA | -0.1994144 | -1.8386515 | -1.83865152 | 1.0183046 | 1.0517584 |
| ## | C8.A130.02TCGA | -1.3566651 | -1.0811561 | -2.12087454 | 0.2996687 | 0.9753217 |
| ## | C8.A138.03TCGA | 0.5159401 | 2.6187951 | 2.61879509 | -0.4385733 | -1.2102296 |
| ## | | NP_116242 | NP_001026847 | NP_776183 | NP_115970 | NP_059136 |
| ## | AO.A12D.01TCGA | 0.6618142 | 0.9132609 | -0.22205898 | 1.00850582 | 0.6046672 |
| ## | C8.A131.01TCGA | 0.5900504 | 0.3552733 | -1.53508709 | -0.05761056 | -0.8550431 |
| ## | AO.A12B.01TCGA | 0.8007387 | -0.3438800 | -0.77622995 | -1.27786672 | 1.7901549 |
| ## | BH.A18Q.02TCGA | 0.4328628 | -1.6814186 | 0.09163381 | 2.92517225 | -1.0926314 |
| ## | C8.A130.02TCGA | -0.2513493 | -1.6748124 | -2.30782706 | -0.46782063 | -0.3399057 |
| ## | C8.A138.03TCGA | 0.8962825 | 1.6789103 | -0.42760183 | 0.10999762 | 2.4944524 |
| ## | | NP_055537 | NP_056948 | NP_002198 | NP_660275 | NP_055733 |
| ## | AO.A12D.01TCGA | 0.6846730 | 0.6846730 | NA | 0.04843669 | -0.1382434 |
| ## | C8.A131.01TCGA | -0.3328665 | -0.3328665 | NA | 0.97055120 | 0.7398220 |
| ## | AO.A12B.01TCGA | -0.9785475 | -0.9785475 | NA | 0.10787022 | -0.8205735 |
| ## | BH.A18Q.02TCGA | 1.6305095 | 1.6305095 | NA | 0.87779855 | 0.6603487 |
| ## | C8.A130.02TCGA | -2.0585570 | -2.0585570 | NA | 0.53253937 | -0.6547732 |
| ## | C8.A138.03TCGA | 4.2864506 | 2.0190243 | -0.7274872 | -0.55560170 | -1.9526289 |
| ## | | NP_787052 | NP_001243750 | NP_008843 | NP_001243749 | NP_055762 |
| ## | AO.A12D.01TCGA | -0.72876214 | 0.7494395 | 0.9818372 | 0.74943955 | 0.1398718 |
| ## | C8.A131.01TCGA | 0.29455509 | 0.3471775 | 0.3431297 | 0.33908178 | -0.4462071 |
| ## | AO.A12B.01TCGA | -4.54266295 | -1.1060353 | -1.0533773 | -1.00349081 | -1.4358407 |
| ## | BH.A18Q.02TCGA | -4.42797708 | 1.0283407 | 0.9480516 | 0.65031259 | -0.3298843 |
| ## | C8.A130.02TCGA | 0.05695839 | 0.1553545 | 0.0241597 | 0.02087983 | -0.1365539 |
| ## | C8.A138.03TCGA | -0.98714413 | -0.1752592 | -0.1752592 | -1.34920090 | 0.3001689 |
| ## | | NP_004998 | NP_689520 | NP_060831 | NP_057589 | NP_001209 |
| ## | AO.A12D.01TCGA | 1.1418488 | -0.03537887 | 0.79515713 | -1.0449754 | -4.7404796 |
| ## | C8.A131.01TCGA | -3.6156979 | 0.41599151 | -0.88337826 | -1.2922142 | -3.0044679 |
| ## | AO.A12B.01TCGA | -4.4151751 | 1.30791840 | 1.00582775 | 0.3406740 | 0.7259089 |
| ## | BH.A18Q.02TCGA | 0.1853045 | 0.92128852 | 0.08494305 | 0.8744532 | -2.6716516 |
| ## | C8.A130.02TCGA | 0.7588503 | -0.04799742 | -1.97656031 | 0.9261236 | -2.6850120 |
| ## | C8.A138.03TCGA | -1.3053152 | 0.04051198 | 0.03685484 | -0.3434876 | -1.6381149 |
| ## | | NP_060208 | NP_054785 | NP_001246 | NP_689633 | NP_078899 |
| ## | AO.A12D.01TCGA | -0.3287333 | 0.3075030 | -0.4658861 | 1.0008862 | 0.5170419 |
| ## | C8.A131.01TCGA | -0.3328665 | 1.2215198 | 2.2982561 | -1.2274481 | 0.2095496 |
| ## | AO.A12B.01TCGA | -3.1790978 | 0.8866544 | -1.0644632 | -1.4829558 | 0.1189561 |
| ## | BH.A18Q.02TCGA | -6.2277925 | 0.1217423 | 0.5399150 | -5.2609772 | -2.2601696 |
| ## | C8.A130.02TCGA | 0.2143921 | -0.6875718 | -0.0807961 | -0.1398337 | -1.2451496 |
| ## | C8.A138.03TCGA | 1.4082820 | -0.3069162 | -2.3073714 | 0.2891974 | 2.7870235 |
| ## | | NP_036465 | NP_775823 | NP_001230261 | NP_003343 | NP_631917 |
| ## | AO.A12D.01TCGA | 0.1208229 | NA | 0.04081709 | -0.2258688 | 0.7456298 |
| ## | C8.A131.01TCGA | -0.1142809 | NA | 1.81251043 | -0.3692974 | -0.6526491 |
| ## | AO.A12B.01TCGA | 1.1139152 | NA | 1.65435264 | -1.2917241 | 1.7402683 |
| ## | BH.A18Q.02TCGA | -0.7748201 | 3.9053691 | 0.07825229 | -0.6175871 | -0.1826875 |


```

## C8.A130.02TCGA 0.6670140 0.7949289 -0.97620030 1.0376392 0.7686899
## C8.A138.03TCGA 0.1904547 NA NA -0.8847442 0.2123975
## NP_858057 NP_036549 NP_079541 NP_001165883 NP_001098065
## A0.A12D.01TCGA 1.64855192 1.0046960 0.7189612 1.4923502 0.6884828
## C8.A131.01TCGA 0.25002840 0.2500284 -0.4340635 0.2338369 -0.3126271
## A0.A12B.01TCGA -0.07781853 0.3074163 0.2852445 0.3462170 1.0862005
## BH.A18Q.02TCGA -0.57744256 -0.5038442 -1.5308764 NA 0.6268949
## C8.A130.02TCGA -0.52685827 -0.5662167 2.9498027 NA -2.8227665
## C8.A138.03TCGA -0.58120168 -0.7640586 1.1669108 2.7797092 -0.7713729
## NP_055104 NP_689506 NP_003943 NP_001181927 NP_775937
## A0.A12D.01TCGA NA NA -0.9916382 0.0179583 -0.1496728
## C8.A131.01TCGA NA NA 0.2986030 2.9054383 -0.4097762
## A0.A12B.01TCGA NA NA -1.5993577 -0.6321133 0.6566220
## BH.A18Q.02TCGA -3.253748 -1.81523385 -0.8283462 -5.7025676 -0.6242779
## C8.A130.02TCGA -4.620135 0.10943629 1.8969648 -0.4547012 -1.0549172
## C8.A138.03TCGA 2.944280 -0.09480217 1.8471387 -2.1025716 2.1762813
## NP_001189477 NP_001191019 NP_060843 NP_003717 NP_003920
## A0.A12D.01TCGA 0.52466146 1.28662109 0.44084590 -0.5992290 1.0618430
## C8.A131.01TCGA -0.81051641 -0.08594572 -1.09386807 -1.3772197 1.1162749
## A0.A12B.01TCGA -1.38595420 1.39937704 -1.81830413 -1.9901355 -2.4917723
## BH.A18Q.02TCGA -2.19326200 0.31911978 -2.23675196 2.7244493 -0.5038442
## C8.A130.02TCGA -0.83516594 2.34630686 -1.31730667 -1.9404818 -1.9929597
## C8.A138.03TCGA -0.07651647 -0.66165874 -0.04725936 -0.4641732 -1.1846296
## NP_006825 NP_071732 NP_004991 NP_036588 NP_001005463
## A0.A12D.01TCGA 0.79134733 2.0790591 -0.90782265 -0.35159212 NA
## C8.A131.01TCGA 1.62226003 0.8126838 -0.53930839 0.08811316 NA
## A0.A12B.01TCGA -2.84652094 -0.6099415 0.54853456 0.82845342 NA
## BH.A18Q.02TCGA -0.07563528 -1.0023061 0.03476232 -2.10962745 -0.3533020
## C8.A130.02TCGA -0.73349001 -1.0319581 -0.67773224 1.47714161 0.3652661
## C8.A138.03TCGA -0.06920219 -1.1846296 -1.38211515 -0.60680165 0.6329685
## NP_076870 NP_001103984 NP_112570 NP_001002251 NP_061164
## A0.A12D.01TCGA NA NA 0.87135309 0.35322054 0.1893992
## C8.A131.01TCGA NA NA 1.30652532 -0.72551091 -0.5312126
## A0.A12B.01TCGA NA NA 0.07184106 1.12500113 1.2441745
## BH.A18Q.02TCGA 0.2522121 -0.9621615 -0.33992045 -0.04218146 0.2421760
## C8.A130.02TCGA 0.3751057 0.3587063 1.63129544 0.59813675 0.5751777
## C8.A138.03TCGA 0.6329685 0.6329685 0.20874038 -1.67102915 -1.6564006
## NP_001265309 NP_001138500 NP_001156787 NP_065880 NP_001034229
## A0.A12D.01TCGA 0.35322054 -1.9974249 0.4484655 0.8484943 -1.2811829
## C8.A131.01TCGA -0.72551091 2.8366243 0.7560135 0.3674169 1.5696376
## A0.A12B.01TCGA 1.12500113 -0.7263434 1.2524889 -0.5711409 0.1716141
## BH.A18Q.02TCGA 0.05148923 -3.5314147 -2.6582701 3.3266181 0.2555575
## C8.A130.02TCGA 0.69653282 0.7162120 -1.3107469 -0.7958075 -0.8548452
## C8.A138.03TCGA -1.68565771 0.1502262 2.1323956 -0.5226875 -0.2264592
## NP_005966 NP_061924 NP_066990 NP_000482 NP_005000
## A0.A12D.01TCGA 2.85244814 -0.3668313 0.1436816 0.3608401 -3.5632520
## C8.A131.01TCGA 1.95013839 -0.9076656 0.7074389 1.0312694 -0.6445533
## A0.A12B.01TCGA 1.75135423 1.1859736 0.6178214 -2.2589685 -2.7051758
## BH.A18Q.02TCGA -2.20998890 0.5967865 -0.2529405 1.2491359 -2.0929005
## C8.A130.02TCGA 1.77232981 -0.5826160 -0.5858959 0.2242317 3.5073804
## C8.A138.03TCGA 0.06611196 -0.9030299 -0.5263446 -0.2959448 0.2233689
## NP_996994 NP_149015 NP_055126 NP_071411 NP_000593
## A0.A12D.01TCGA -1.41833561 1.038984 -0.58018001 -2.2145834 2.0790591
## C8.A131.01TCGA -1.13029900 -1.267927 0.70339106 -2.0046413 2.7151879

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## A0.A12B.01TCGA 0.99474186 1.363348 0.83122490 1.3439476 -2.7245761
## BH.A18Q.02TCGA -2.52110942 -2.959354 0.07156152 -0.1860329 -2.6114347
## C8.A130.02TCGA 0.02743957 -2.658773 0.07663760 0.6538945 0.3127882
## C8.A138.03TCGA -0.43491611 NA -0.07651647 0.4025688 -0.7677158
## NP_110409 NP_006198 NP_060565 NP_002589 NP_056315
## A0.A12D.01TCGA 1.3437681 -0.01632988 -1.1935575 0.7646787 -1.0183068
## C8.A131.01TCGA 0.2783636 -2.01678492 -0.9076656 -0.4583508 -0.7012236
## A0.A12B.01TCGA -0.1360195 -1.55501411 0.2353580 0.9864274 -2.1564239
## BH.A18Q.02TCGA 1.0249954 -1.15284824 -1.1026675 0.7707463 -1.7717439
## C8.A130.02TCGA -0.1004753 1.23443131 -0.2087110 0.3127882 1.2967488
## C8.A138.03TCGA 0.9328539 1.32782497 2.1506813 -0.2740020 1.2217679
## NP_115494 NP_660309 NP_001123201 NP_116184 NP_065723
## A0.A12D.01TCGA -2.359356 -1.0945028 1.0656528 0.11320326 2.59338186
## C8.A131.01TCGA -2.555153 -0.8550431 0.2621720 -0.95219224 0.05573011
## A0.A12B.01TCGA 1.804012 2.0201872 1.3134614 0.18547148 -3.51998909
## BH.A18Q.02TCGA -1.738290 -1.0692137 4.0525659 -2.54118171 -5.36468400
## C8.A130.02TCGA -1.202511 -0.2316701 -0.6383738 0.01432009 -1.40258326
## C8.A138.03TCGA 1.989767 -1.3236009 0.8414255 -0.38371616 4.00850797
## NP_055452 NP_001138773 NP_001036193 NP_055131 NP_002765
## A0.A12D.01TCGA 1.4085346 -0.6449466 -0.09252584 0.51323206 0.5322811
## C8.A131.01TCGA 0.4807576 -0.8550431 -1.21125662 1.05960458 -1.4298422
## A0.A12B.01TCGA 0.4792477 0.4349041 -1.35823946 -0.01407463 -3.1208968
## BH.A18Q.02TCGA -1.1662298 -1.0424506 -0.88521769 0.03141694 -2.6749970
## C8.A130.02TCGA 1.5525786 1.4443429 1.04091905 0.11599603 -3.5443376
## C8.A138.03TCGA 0.9255397 1.5765104 1.58016757 1.38633919 NA
## NP_536737 NP_004641 NP_004918 NP_612449 NP_003255 NP_115675
## A0.A12D.01TCGA 1.892379 -2.4012635 -1.1135518 0.91707067 NA -0.5573212
## C8.A131.01TCGA 1.500824 -1.3448367 -1.2153045 1.90965958 NA 0.3633691
## A0.A12B.01TCGA -2.145338 0.4238182 2.7269130 -1.51898495 NA -0.0279320
## BH.A18Q.02TCGA -3.106551 -1.1695751 0.4094451 0.13512378 NA 0.2823206
## C8.A130.02TCGA -2.642374 0.7424510 0.1127162 -0.03159807 NA 0.7162120
## C8.A138.03TCGA -2.076972 0.3257688 -1.6454292 1.34245352 NA 0.7207399
## NP_060753 NP_001073946 NP_001092286 NP_055068 NP_001116151
## A0.A12D.01TCGA -0.17253161 1.85047122 1.22947412 1.85047122 0.93611966
## C8.A131.01TCGA 1.26604651 1.43605751 1.75988798 3.53690771 0.55361947
## A0.A12B.01TCGA 2.37493585 -0.60994152 -2.20076752 -2.99063758 -2.39754217
## BH.A18Q.02TCGA 0.01469003 -5.16730647 -6.21775637 -2.24678810 -5.16730647
## C8.A130.02TCGA -1.21235086 2.93996312 -0.08735584 2.06095827 2.93996312
## C8.A138.03TCGA 1.43022486 -0.03994508 2.61879509 -0.03994508 -0.03994508
## NP_060908 NP_000984 NP_001092047 NP_055619 NP_009118
## A0.A12D.01TCGA -0.1191944 0.9246903 0.9513589 -0.04680827 0.8103963
## C8.A131.01TCGA -2.3203760 -0.3814410 -0.5757393 0.71958258 0.9138809
## A0.A12B.01TCGA 2.5578531 -1.0173482 -0.9785475 -2.06219383 1.0030563
## BH.A18Q.02TCGA -0.2261775 -2.0995913 -2.1531174 -5.38141091 0.9815054
## C8.A130.02TCGA -0.7302101 1.4017046 1.4377832 1.10651643 0.2275116
## C8.A138.03TCGA 0.8414255 0.3952545 0.3513688 0.48302582 1.0498824
## NP_073746 NP_036526 NP_008990 NP_055688 NP_079163
## A0.A12D.01TCGA -3.1098860 -1.0487852 -0.5687506 1.52663838 NA
## C8.A131.01TCGA -3.5104530 0.1407356 -0.2761961 0.05168223 NA
## A0.A12B.01TCGA -2.4307999 0.4626189 0.9282265 -1.22798019 NA
## BH.A18Q.02TCGA -0.3934466 0.0581800 0.1986860 0.43286276 -1.7683985
## C8.A130.02TCGA 0.5423790 -0.1955915 0.9654821 -1.77976818 0.7555705
## C8.A138.03TCGA -1.7112577 0.2526261 -0.1496593 0.27822603 NA
## NP_055029 NP_000228 NP_002349 NP_001220 NP_060315

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## A0.A12D.01TCGA -4.5880877 -7.1482720 -0.3096843 -0.1839610 -0.98401862
## C8.A131.01TCGA 1.0919876 -3.4173517 0.4321830 0.8126838 -0.02117963
## A0.A12B.01TCGA -1.6575586 -2.8409780 -1.0478344 1.0141422 0.09124137
## BH.A18Q.02TCGA -0.5908241 -1.4907318 -0.7614386 -0.3633381 0.16857760
## C8.A130.02TCGA 2.0740777 -0.9794802 -0.3694246 -0.1135948 -0.38254404
## C8.A138.03TCGA 0.2635975 -4.3809693 -0.4532018 -0.7421158 -0.90302992
## NP_997716 NP_699205 NP_079081 NP_004879 NP_569730
## A0.A12D.01TCGA -1.2621339 -0.7859091 -0.3020647 -0.67161517 -1.28880247
## C8.A131.01TCGA 0.2986030 -0.2154779 -1.2679270 0.04763435 0.20954959
## A0.A12B.01TCGA 1.2220027 0.9808845 1.6155520 -2.21739636 4.31773903
## BH.A18Q.02TCGA -1.0524868 1.3126982 0.2321399 2.69768629 -0.04552684
## C8.A130.02TCGA 0.6079764 -0.5170187 -0.2054311 -0.26118889 -0.95980096
## C8.A138.03TCGA -0.8554871 -1.1078297 -1.5357150 -1.53205786 -1.46622936
## NP_996846 XP_003960228 NP_055098 NP_071748 NP_006323
## A0.A12D.01TCGA -1.00306761 0.10939346 1.3132897 -1.6164451 0.8675433
## C8.A131.01TCGA 0.02739495 0.24598052 0.9462639 0.2743157 1.2862859
## A0.A12B.01TCGA -4.13802776 -0.62102741 0.7286804 1.1222297 0.8644826
## BH.A18Q.02TCGA 1.31269820 -0.59751485 0.3793367 -0.8852177 -1.0792498
## C8.A130.02TCGA -3.02283848 -0.08407597 0.7719698 0.1127162 0.7916490
## C8.A138.03TCGA -6.91536671 -0.09114503 NA -0.9688584 -0.7165158
## NP_000592 NP_004261 NP_570719 NP_660322 NP_079037
## A0.A12D.01TCGA 2.9095951 -0.76305032 0.3570303 0.24273639 0.4027479
## C8.A131.01TCGA 2.7070921 -0.35715374 1.5534461 -0.56764355 1.4360575
## A0.A12B.01TCGA -0.9591472 0.12172759 -0.2191637 0.01086863 -1.8460189
## BH.A18Q.02TCGA -6.8098890 -0.63096867 0.5900957 1.90483078 NA
## C8.A130.02TCGA -1.0253983 -0.08079610 -0.3497454 1.03435931 NA
## C8.A138.03TCGA -0.2666877 -0.01434511 0.2489689 NA 2.3335382
## NP_054900 NP_919268 NP_057105 NP_001035859 NP_714923
## A0.A12D.01TCGA -0.3020647 -1.5478687 1.7514165 0.6541946 0.0217681
## C8.A131.01TCGA 0.5171885 -2.5470573 1.5048715 0.7681572 -0.2842919
## A0.A12B.01TCGA 0.2076433 -0.3494230 -1.6021292 0.3323596 -0.5101685
## BH.A18Q.02TCGA 0.9982323 -0.8718362 -7.0674834 0.1418145 0.8577263
## C8.A130.02TCGA -0.6022953 -0.3005473 -0.5629368 0.2209518 -0.4251823
## C8.A138.03TCGA -0.2410877 1.7191389 1.0096539 -0.3983447 -1.2065725
## NP_110382 NP_060573 NP_116139 NP_612122 NP_055050
## A0.A12D.01TCGA 1.56473636 3.7896585 0.7456298 -1.5440589 -0.04299847
## C8.A131.01TCGA 1.07174822 0.8005402 -1.0898202 0.7519656 0.40789575
## A0.A12B.01TCGA -2.53057291 -0.2274781 1.6571241 1.7513542 -0.29122202
## BH.A18Q.02TCGA -0.07898066 -2.3371134 0.2053768 -3.1968766 0.25221214
## C8.A130.02TCGA -1.05491716 -1.2287502 -1.0253983 0.8966048 0.79492888
## C8.A138.03TCGA 1.62771038 2.1104527 0.9255397 1.9385672 0.97673961
## NP_543012 NP_001602 NP_001180242 NP_001180240 NP_078959
## A0.A12D.01TCGA -0.50398405 -0.7478111 1.09994098 1.09994098 -0.5535114
## C8.A131.01TCGA -0.15071182 1.4967757 0.13668773 0.13668773 -1.0371977
## A0.A12B.01TCGA 0.94762680 1.0557143 -0.87323153 -0.87323153 1.1000579
## BH.A18Q.02TCGA -0.68114939 1.3026620 0.07490691 0.07490691 -0.5573703
## C8.A130.02TCGA 0.09959668 -1.2320301 -0.43174207 -0.43174207 0.5751777
## C8.A138.03TCGA -0.67994444 -0.5592588 0.39159734 0.39159734 -0.9030299
## NP_001139746 NP_001185458 NP_003193 NP_057353 NP_001159591
## A0.A12D.01TCGA NA NA NA -1.003067607 -0.2258688
## C8.A131.01TCGA NA NA NA -0.004988103 0.3066987
## A0.A12B.01TCGA NA NA NA -1.976278138 -1.5661000
## BH.A18Q.02TCGA 0.77743710 0.77074633 1.2257183 -0.871836161 0.7774371
## C8.A130.02TCGA -0.00535912 -0.07423637 -0.4022233 -1.192671649 -0.4022233

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## C8.A138.03TCGA 1.27296788 0.27091175 0.2709117 -1.137086831 -0.8591443
## NP_112573 NP_001128323 NP_067547 NP_061980 NP_003872
## AO.A12D.01TCGA NA NA -1.5554883 -0.3630215 -1.4183356
## C8.A131.01TCGA NA NA -0.1507118 1.8772765 0.3350339
## AO.A12B.01TCGA NA NA 1.5767514 2.3333637 -1.0589203
## BH.A18Q.02TCGA 0.5733688 1.00157768 -0.8919085 0.3157744 -1.5609848
## C8.A130.02TCGA 0.4505427 0.01759996 1.9396031 0.4374232 -1.8912837
## C8.A138.03TCGA 0.2709117 -0.73480152 -2.0989144 -1.3455438 -1.7039434
## NP_079097 NP_001229658 NP_055702 NP_000068 NP_004927
## AO.A12D.01TCGA 3.64107636 NA 0.6922926 -1.6088255 -0.8925835
## C8.A131.01TCGA 0.73982199 NA 1.3834351 -1.8224866 0.7317262
## AO.A12B.01TCGA -0.05564674 NA 0.7813384 -1.9984499 -1.4995846
## BH.A18Q.02TCGA 1.23909979 -1.146157 0.9881962 4.2532888 4.6112447
## C8.A130.02TCGA -0.71709066 1.516500 0.6342153 -0.8515653 -1.5272183
## C8.A138.03TCGA 0.68416847 -2.329314 -0.5190303 -2.5779997 -2.5560568
## NP_071921 NP_001167618 NP_055294 NP_001207423 NP_002372
## AO.A12D.01TCGA -0.04299847 -1.42214540 NA 3.6563155 0.1246326
## C8.A131.01TCGA 0.28241144 -2.53086580 NA 3.3264179 -1.0857723
## AO.A12B.01TCGA -0.61825594 1.45203505 NA -1.3360677 1.2885181
## BH.A18Q.02TCGA -1.61451093 -3.08647895 -1.480696 -2.6047440 -4.1804188
## C8.A130.02TCGA -0.19231165 1.16227420 -1.733850 -1.3041872 -1.1336340
## C8.A138.03TCGA -0.38005902 -0.08383075 NA -0.1862306 0.6585685
## NP_004195 NP_116250 NP_077027 NP_006568 NP_001161937
## AO.A12D.01TCGA 0.155111 0.2313070 0.8789727 2.20097265 1.22185452
## C8.A131.01TCGA 2.448028 0.9745991 -1.7779599 0.50099701 0.49694913
## AO.A12B.01TCGA -2.397542 1.2608033 0.8506252 0.09124137 -2.05942235
## BH.A18Q.02TCGA -1.290009 0.6971479 0.4428989 1.08521223 -2.45754716
## C8.A130.02TCGA -1.031958 0.3423070 0.6899731 -0.41862260 6.40350464
## C8.A138.03TCGA 3.258794 0.1611976 -0.3508019 0.99868244 -0.04360222
## NP_002846 NP_000974 NP_001093115 NP_077273 NP_001034792
## AO.A12D.01TCGA -0.6030388 0.76848854 -1.2316555 -0.6144682 2.8486383
## C8.A131.01TCGA 1.1203228 -0.81861217 -0.7133673 0.5495716 1.8934681
## AO.A12B.01TCGA -1.1559219 -0.06396116 -1.7102166 0.4404471 -2.5970883
## BH.A18Q.02TCGA -0.8718362 0.78078248 1.5970557 -0.7012217 -4.6654992
## C8.A130.02TCGA -0.4973395 0.99500088 0.4735017 0.6637341 1.2967488
## C8.A138.03TCGA -0.8847442 -0.44954467 0.5854257 0.7938826 0.5013115
## XP_003960107 XP_003846583 XP_003960247 NP_899228 NP_060410
## AO.A12D.01TCGA 2.3000274 2.30002740 1.7476067 1.7476067 1.7476067
## C8.A131.01TCGA 0.5414758 0.54147582 -0.8145643 -0.8145643 0.2297890
## AO.A12B.01TCGA -3.7555644 -3.75556437 -4.9140404 -4.9140404 -2.5970883
## BH.A18Q.02TCGA -4.6654992 -4.66549919 -4.4681217 -4.4681217 -4.4681217
## C8.A130.02TCGA 1.2967488 0.56861793 0.6276556 0.6276556 0.6276556
## C8.A138.03TCGA 0.5013115 -0.03994508 -0.8335443 3.0430232 1.4997105
## XP_003960241 XP_003846431 NP_065885 NP_060937 NP_775323
## AO.A12D.01TCGA 0.0217681 NA -0.1877708 1.9571456 5.5116873
## C8.A131.01TCGA -0.2195258 NA -2.5187222 0.3917042 1.1243707
## AO.A12B.01TCGA -3.1624690 NA 1.0058278 -0.7873158 -1.1226642
## BH.A18Q.02TCGA -4.4681217 -4.157001 -1.3435350 -1.5777117 3.5842125
## C8.A130.02TCGA 0.6276556 2.008480 -0.0184786 -0.7203705 -0.7302101
## C8.A138.03TCGA 3.0430232 1.042568 1.1266823 0.5049687 -2.1610858
## NP_003125 NP_061914 XP_003960982 NP_001087195 NP_071449
## AO.A12D.01TCGA -1.9250388 0.7265808 -1.0754538 0.05605628 -1.620255
## C8.A131.01TCGA -1.3205494 0.5414758 0.2864593 2.28611250 2.071575
## AO.A12B.01TCGA -1.4358407 1.5739799 -1.3637824 -0.59331267 -3.389730

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| | | | | | | |
|----|----------------|--------------|--------------|-------------|--------------|--------------|
| ## | BH.A18Q.02TCGA | -1.5342218 | -0.3834104 | NA | 0.99823230 | -5.013419 |
| ## | C8.A130.02TCGA | 0.7883691 | -0.2087110 | NA | 0.27998947 | -2.668613 |
| ## | C8.A138.03TCGA | -0.8298871 | -0.5629160 | -0.4385733 | -1.46988649 | 2.216510 |
| ## | | NP_056503 | NP_078928 | NP_079095 | NP_079104 | NP_001161047 |
| ## | AO.A12D.01TCGA | NA | NA | 0.7418200 | 0.60085742 | 0.77229834 |
| ## | C8.A131.01TCGA | NA | NA | 0.5495716 | -0.04546691 | -0.09808936 |
| ## | AO.A12B.01TCGA | NA | NA | -0.9785475 | 0.72868036 | 0.96702712 |
| ## | BH.A18Q.02TCGA | -7.6529252 | 1.7609794 | -0.5272618 | 0.02807156 | -0.04552684 |
| ## | C8.A130.02TCGA | 0.1586343 | -0.7433296 | -0.8351659 | -0.68101211 | -0.34646548 |
| ## | C8.A138.03TCGA | 1.5106819 | -0.4020019 | -0.9030299 | 0.09171193 | 0.08439765 |
| ## | | NP_054907 | NP_036453 | NP_000193 | NP_115676 | NP_065978 |
| ## | AO.A12D.01TCGA | 0.14368164 | -0.3363529 | -0.67161517 | -3.4603874 | NA |
| ## | C8.A131.01TCGA | -0.03332327 | -0.3409622 | 0.38360847 | 1.0191258 | NA |
| ## | AO.A12B.01TCGA | 0.33790255 | 0.7453092 | 0.99474186 | -2.1065374 | NA |
| ## | BH.A18Q.02TCGA | -0.28304895 | 1.1922644 | -0.07898066 | -1.4204788 | NA |
| ## | C8.A130.02TCGA | 0.84084705 | -0.1103149 | -0.45798102 | 0.1750337 | NA |
| ## | C8.A138.03TCGA | -0.05091650 | -1.3492009 | -0.14965926 | 0.8706826 | -4.113998 |
| ## | | NP_001092260 | NP_004047 | NP_055180 | NP_878919 | NP_056109 |
| ## | AO.A12D.01TCGA | -2.6641396 | -0.1725316 | 0.8027767 | 4.7497276 | -0.126814 |
| ## | C8.A131.01TCGA | -0.3166749 | 0.5171885 | -0.8105164 | 2.1403888 | 2.403501 |
| ## | AO.A12B.01TCGA | -2.2728258 | 4.6004294 | 2.4663945 | -0.6182559 | -2.389228 |
| ## | BH.A18Q.02TCGA | -1.4204788 | -0.6410048 | -3.8927160 | 0.0581800 | -2.862338 |
| ## | C8.A130.02TCGA | -0.4612609 | 1.8510467 | 0.1159960 | -2.1011953 | 0.916284 |
| ## | C8.A138.03TCGA | 0.2270261 | -3.7519413 | -1.1261154 | 3.1271374 | -6.988509 |
| ## | | NP_036569 | NP_000328 | NP_000985 | NP_660087 | NP_003712 |
| ## | AO.A12D.01TCGA | -0.9497304 | 1.89618880 | 1.1037508 | -0.2334884 | -1.0144970 |
| ## | C8.A131.01TCGA | 0.3390818 | 0.38360847 | -1.6889066 | -0.4745423 | -0.7781334 |
| ## | AO.A12B.01TCGA | 1.5379507 | -2.72457608 | -0.7762299 | -0.1692772 | 0.2963304 |
| ## | BH.A18Q.02TCGA | -0.2930851 | -1.22644664 | -0.1291614 | -1.4974226 | 1.1621560 |
| ## | C8.A130.02TCGA | 0.5620582 | 0.05039865 | 1.1589943 | 0.2603103 | -0.1627928 |
| ## | C8.A138.03TCGA | -0.6836016 | 2.43959527 | 1.2985679 | 0.4391401 | -0.7604015 |
| ## | | NP_001719 | NP_940993 | NP_689616 | NP_110417 | NP_003102 |
| ## | AO.A12D.01TCGA | 0.1703502 | 0.3798891 | -0.6297074 | 0.2389266 | 1.0580332 |
| ## | C8.A131.01TCGA | 1.7841753 | 1.8165583 | 3.6178653 | -0.3854889 | -0.1345203 |
| ## | AO.A12B.01TCGA | -1.9873640 | -1.7711891 | 0.1383564 | -0.4630534 | -0.5960841 |
| ## | BH.A18Q.02TCGA | -1.9992298 | -1.3000450 | -5.7761660 | 0.6034772 | -1.3268081 |
| ## | C8.A130.02TCGA | -2.2815881 | -2.1635128 | -0.4776602 | -1.2681086 | 1.7001727 |
| ## | C8.A138.03TCGA | 0.5707972 | 0.1575404 | NA | 1.7776531 | 0.6073686 |
| ## | | NP_055572 | NP_892010 | NP_000336 | NP_056307 | NP_001017928 |
| ## | AO.A12D.01TCGA | 0.07129548 | 1.5037796 | -2.1536267 | 1.57997555 | -0.2296786 |
| ## | C8.A131.01TCGA | -0.66074481 | 1.4724884 | 5.1317728 | 1.87727653 | -0.1021372 |
| ## | AO.A12B.01TCGA | -0.60162710 | -1.6603301 | -0.5378832 | 0.05521221 | 1.4326347 |
| ## | BH.A18Q.02TCGA | -4.91305745 | 2.7645939 | -1.0591775 | 0.20203142 | 0.1585415 |
| ## | C8.A130.02TCGA | 1.59849676 | 0.5620582 | -1.6354539 | 1.16227420 | 0.9753217 |
| ## | C8.A138.03TCGA | 0.72073986 | NA | -2.4682855 | 0.37331164 | -1.2833724 |
| ## | | NP_002173 | NP_001161403 | NP_078886 | NP_003870 | NP_001189446 |
| ## | AO.A12D.01TCGA | -0.29063535 | -0.29063535 | NA | -0.22967858 | -0.22967858 |
| ## | C8.A131.01TCGA | -0.06570632 | -0.06570632 | NA | 0.01929918 | 0.01929918 |
| ## | AO.A12B.01TCGA | -0.91203217 | -0.91203217 | NA | 0.19101443 | 1.40769146 |
| ## | BH.A18Q.02TCGA | 1.28593514 | 1.28593514 | 3.4503972 | 1.26586285 | 1.66061791 |
| ## | C8.A130.02TCGA | 0.38494527 | 0.38494527 | -0.9598010 | -0.27758824 | -0.44814142 |
| ## | C8.A138.03TCGA | NA | NA | -0.1862306 | 0.30748314 | 0.55982574 |
| ## | | NP_057413 | NP_006484 | NP_644812 | NP_001180353 | NP_002527 |
| ## | AO.A12D.01TCGA | NA | 1.1837565 | 0.05224649 | NA | 0.1474914 |

| | | | | | | |
|----|----------------|-------------|--------------|--------------|--------------|--------------|
| ## | C8.A131.01TCGA | NA | 1.3348605 | -0.04951479 | NA | 1.6344037 |
| ## | A0.A12B.01TCGA | NA | 1.8622132 | 2.25853394 | NA | 0.4681618 |
| ## | BH.A18Q.02TCGA | -0.17265135 | 2.2928951 | 1.09859376 | -0.56406103 | -0.8885631 |
| ## | C8.A130.02TCGA | 0.09959668 | -0.7400497 | -0.04471755 | 0.08975708 | -0.2677486 |
| ## | C8.A138.03TCGA | 0.36599737 | -0.5007446 | -0.01800225 | NA | -0.3946876 |
| ## | | NP_149977 | NP_067544 | NP_001172019 | NP_001172020 | NP_066934 |
| ## | A0.A12D.01TCGA | 0.7913473 | 8.1328284 | 11.9197678 | 11.9197678 | NA |
| ## | C8.A131.01TCGA | 0.9422160 | 0.6588644 | 2.2375379 | 2.2375379 | NA |
| ## | A0.A12B.01TCGA | -3.2289843 | -2.8409780 | -2.5194870 | -2.5194870 | NA |
| ## | BH.A18Q.02TCGA | -0.6008602 | -0.5205711 | -0.5205711 | -0.5205711 | -5.6423507 |
| ## | C8.A130.02TCGA | -0.5071791 | -0.7269303 | -0.7269303 | -0.7269303 | -1.0155587 |
| ## | C8.A138.03TCGA | 1.6240532 | NA | NA | NA | 0.5890829 |
| ## | | NP_061910 | NP_057293 | NP_689645 | NP_110403 | NP_001153890 |
| ## | A0.A12D.01TCGA | -0.6868544 | -0.1268140 | 1.4961600 | -0.3287333 | -0.3287333 |
| ## | C8.A131.01TCGA | -0.3652495 | 0.2945551 | 1.8975159 | 0.8329233 | 0.8329233 |
| ## | A0.A12B.01TCGA | -0.1332480 | 0.5263628 | 1.7070106 | 0.8866544 | 0.8866544 |
| ## | BH.A18Q.02TCGA | -0.3800650 | 0.3994089 | -0.1057437 | 0.6938026 | 0.6938026 |
| ## | C8.A130.02TCGA | -0.6055751 | -0.5038992 | -0.3235064 | -1.2812281 | -1.2812281 |
| ## | C8.A138.03TCGA | -0.1569735 | -0.4605161 | 1.7410817 | -1.5028007 | -1.0310298 |
| ## | | NP_003656 | NP_055316 | NP_005629 | NP_001172112 | NP_055165 |
| ## | A0.A12D.01TCGA | -0.2677766 | -1.41452581 | 2.43337034 | 1.59140494 | 0.4141773 |
| ## | C8.A131.01TCGA | 2.7759061 | -0.45430289 | 0.80863596 | 0.04358647 | 0.5536195 |
| ## | A0.A12B.01TCGA | -1.7351599 | -1.51067053 | -1.09772092 | -0.31616529 | -2.0039929 |
| ## | BH.A18Q.02TCGA | -0.8684908 | -0.00872764 | 0.01469003 | 0.01469003 | 2.1122445 |
| ## | C8.A130.02TCGA | 0.4997407 | 2.97276181 | -0.24806942 | -0.04471755 | -1.1073951 |
| ## | C8.A138.03TCGA | -2.0111431 | -1.13708683 | 2.65902362 | 2.77605208 | 0.9474825 |
| ## | | NP_054753 | NP_060624 | NP_079352 | NP_001240804 | NP_115715 |
| ## | A0.A12D.01TCGA | -0.6411368 | -1.04497539 | -0.9878284 | -0.9878284 | 5.0430821 |
| ## | C8.A131.01TCGA | -0.3045313 | 0.15692713 | -0.5393084 | -0.5393084 | -1.5634223 |
| ## | A0.A12B.01TCGA | -0.4297957 | -0.74020079 | -0.9203466 | -0.9203466 | -0.3660518 |
| ## | BH.A18Q.02TCGA | 1.6472364 | 0.06152538 | 1.0149592 | 1.0149592 | -2.8088123 |
| ## | C8.A130.02TCGA | -0.2087110 | 0.86380613 | -0.3661447 | -0.3661447 | 0.3423070 |
| ## | C8.A138.03TCGA | -0.3581162 | 0.03319770 | -1.0237155 | -1.0237155 | 1.7337674 |
| ## | | NP_006604 | NP_001035257 | NP_004166 | NP_060917 | NP_061956 |
| ## | A0.A12D.01TCGA | 0.6046672 | NA | -0.34778232 | 1.6066441 | -0.5077938 |
| ## | C8.A131.01TCGA | 0.3188424 | NA | 0.04763435 | 0.6264813 | -1.8386782 |
| ## | A0.A12B.01TCGA | -1.5633285 | NA | -0.14156243 | -1.2030369 | -1.0256626 |
| ## | BH.A18Q.02TCGA | 1.4933488 | -1.373643 | 1.09190299 | 0.7239110 | 1.2324090 |
| ## | C8.A130.02TCGA | -0.1070351 | -1.533778 | 1.13931512 | -1.0352379 | 0.4013446 |
| ## | C8.A138.03TCGA | -0.7457729 | 3.379480 | -1.02005838 | 0.2599403 | 1.5143391 |
| ## | | NP_057036 | NP_443077 | NP_056980 | NP_000353 | NP_006398 |
| ## | A0.A12D.01TCGA | -0.28682555 | -3.319425 | -2.21077362 | -2.4774595 | 1.2256643 |
| ## | C8.A131.01TCGA | -0.52311686 | -1.458177 | -0.06570632 | -2.8223132 | 0.8653063 |
| ## | A0.A12B.01TCGA | 1.46034947 | 1.867756 | -0.23024960 | -2.9961805 | -1.8931339 |
| ## | BH.A18Q.02TCGA | -0.36333812 | -0.721294 | NA | -1.6680370 | -0.3733743 |
| ## | C8.A130.02TCGA | -1.56985657 | 1.339387 | NA | -2.0159187 | -1.3205865 |
| ## | C8.A138.03TCGA | 0.02954056 | 2.289653 | 6.63067676 | -0.9798298 | 2.1031385 |
| ## | | NP_689555 | NP_001035972 | NP_000979 | NP_002903 | NP_001053 |
| ## | A0.A12D.01TCGA | -1.1440301 | -1.528820 | 0.2160678 | 0.2008286 | -2.309828 |
| ## | C8.A131.01TCGA | -1.6200926 | -2.777787 | 1.5251109 | -0.3126271 | 5.702524 |
| ## | A0.A12B.01TCGA | 0.2824731 | -3.611448 | -1.3443821 | -1.5633285 | -2.624803 |
| ## | BH.A18Q.02TCGA | -2.3304227 | 2.132317 | -1.0892860 | 1.7609794 | -4.411250 |
| ## | C8.A130.02TCGA | -2.1733524 | -1.166433 | 1.4837013 | -0.7531692 | -4.882524 |
| ## | C8.A138.03TCGA | -0.5446303 | -3.031485 | -0.8847442 | 1.8471387 | -8.323365 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|-------------|
| ## | | NP_002886 | NP_004699 | NP_004811 | NP_008854 | NP_000534 |
| ## | AO.A12D.01TCGA | NA | -0.492554653 | 0.4408459 | 2.4105115 | -0.2715864 |
| ## | C8.A131.01TCGA | NA | 0.003107659 | 2.5856557 | 1.5089194 | -0.3490580 |
| ## | AO.A12B.01TCGA | NA | 0.944855327 | -1.5965862 | -1.1974940 | 0.8339964 |
| ## | BH.A18Q.02TCGA | -0.3365751 | -0.226177461 | NA | 0.4261720 | 0.7740917 |
| ## | C8.A130.02TCGA | 0.3980648 | 1.559138330 | NA | -0.3071071 | 0.1881531 |
| ## | C8.A138.03TCGA | NA | -1.363829459 | NA | 0.1246262 | -0.1789164 |
| ## | | NP_699196 | NP_000233 | NP_075383 | NP_689866 | NP_006348 |
| ## | AO.A12D.01TCGA | 1.1570880 | -0.5916094 | NA | 2.7305346 | 2.3952724 |
| ## | C8.A131.01TCGA | 0.6102898 | 3.3466573 | NA | 1.0069821 | 1.0717482 |
| ## | AO.A12B.01TCGA | -1.5577856 | -0.5933127 | NA | -0.9785475 | -0.3466515 |
| ## | BH.A18Q.02TCGA | NA | -1.7282539 | -0.89859921 | 1.5468749 | 1.4465135 |
| ## | C8.A130.02TCGA | NA | 1.4541825 | -0.12015453 | 1.0769976 | 1.0048405 |
| ## | C8.A138.03TCGA | 0.3733116 | -4.8527402 | 0.08805479 | 0.3184546 | 0.1685119 |
| ## | | NP_003332 | NP_071736 | NP_001002901 | NP_694957 | NP_660339 |
| ## | AO.A12D.01TCGA | 1.4047248 | -1.0678342 | -1.9021800 | 1.9761946 | 1.48092080 |
| ## | C8.A131.01TCGA | 0.5171885 | 1.3024774 | -0.1992864 | -2.3406154 | 0.97055120 |
| ## | AO.A12B.01TCGA | 0.1660712 | 0.1383564 | 4.6226012 | -3.0959536 | 1.24694598 |
| ## | BH.A18Q.02TCGA | 1.5468749 | 0.8811439 | -4.2305995 | 0.5265335 | 0.04814385 |
| ## | C8.A130.02TCGA | 1.4443429 | -1.6551332 | -3.4131429 | -0.6842920 | 0.13895511 |
| ## | C8.A138.03TCGA | 0.6000543 | 0.9950253 | -7.5151375 | -2.0550288 | -1.52108644 |
| ## | | NP_009231 | NP_004562 | NP_071345 | NP_569056 | NP_653284 |
| ## | AO.A12D.01TCGA | -0.7287621 | -0.1992002 | -1.4107160 | 1.9876240 | 2.3990822 |
| ## | C8.A131.01TCGA | 2.2618252 | -1.6646193 | -2.8061217 | 0.6264813 | -0.4340635 |
| ## | AO.A12B.01TCGA | -0.8482883 | 0.5069625 | -0.2357925 | -1.4053545 | -0.3521944 |
| ## | BH.A18Q.02TCGA | -0.4302458 | 1.1755375 | 1.2123367 | -1.1160490 | -2.6315070 |
| ## | C8.A130.02TCGA | 0.9097243 | 0.7326114 | 1.5853773 | -1.0385178 | -1.9011233 |
| ## | C8.A138.03TCGA | -0.9249728 | -0.2191449 | -0.6470302 | 0.6402828 | -0.8993728 |
| ## | | NP_612157 | NP_620157 | NP_789784 | NP_003335 | NP_006661 |
| ## | AO.A12D.01TCGA | 0.73801016 | 0.21225801 | NA | -1.0983126 | 2.09810810 |
| ## | C8.A131.01TCGA | 0.73982199 | 0.61433768 | NA | -0.4745423 | 0.18931018 |
| ## | AO.A12B.01TCGA | 0.33513107 | -0.03347495 | NA | 1.0473999 | -0.19144896 |
| ## | BH.A18Q.02TCGA | -0.31315739 | -1.26659122 | -1.4271695 | -1.9691214 | -1.60447479 |
| ## | C8.A130.02TCGA | 0.28326934 | -0.69085171 | -0.0709565 | 0.2963888 | -1.98639992 |
| ## | C8.A138.03TCGA | 0.02588342 | 0.97673961 | -0.9505727 | -1.4260008 | -0.02531652 |
| ## | | NP_071329 | NP_071762 | NP_002650 | NP_001005376 | NP_653213 |
| ## | AO.A12D.01TCGA | NA | 0.6618142 | 3.14580260 | 2.74958359 | -2.0240935 |
| ## | C8.A131.01TCGA | NA | 0.1124004 | 2.67066119 | 2.21325065 | 0.2864593 |
| ## | AO.A12B.01TCGA | NA | -0.6099415 | -1.15592187 | -1.32775325 | -1.4718699 |
| ## | BH.A18Q.02TCGA | 0.5298788 | 0.2254491 | -0.83838234 | -0.99561529 | -3.2738203 |
| ## | C8.A130.02TCGA | -2.2651888 | -0.7892478 | -1.11395480 | -1.27138850 | -0.7236504 |
| ## | C8.A138.03TCGA | NA | -0.9871441 | 0.08074051 | -0.02531652 | 0.9365111 |
| ## | | NP_001008528 | NP_940932 | NP_001008529 | NP_776158 | NP_060774 |
| ## | AO.A12D.01TCGA | 1.819993 | 2.341935 | 1.9800044 | 0.1284424 | NA |
| ## | C8.A131.01TCGA | 2.180868 | 1.460345 | 0.9300724 | -0.4097762 | NA |
| ## | AO.A12B.01TCGA | -2.347656 | -2.192453 | -2.5056296 | 0.1383564 | NA |
| ## | BH.A18Q.02TCGA | -4.672190 | -4.568483 | -5.3278848 | 1.3060074 | NA |
| ## | C8.A130.02TCGA | -2.071677 | -1.691212 | -2.2586290 | 1.7132922 | NA |
| ## | C8.A138.03TCGA | 2.487138 | 2.531024 | 2.4871381 | -0.7567444 | 0.4391401 |
| ## | | NP_115495 | NP_001245139 | NP_065849 | NP_001156946 | NP_733787 |
| ## | AO.A12D.01TCGA | 1.595214742 | -0.5992290 | -1.025926 | -7.8568945 | NA |
| ## | C8.A131.01TCGA | 3.459997972 | -0.4016804 | -2.016785 | 2.4885065 | NA |
| ## | AO.A12B.01TCGA | -0.008531686 | 2.1809327 | -1.061692 | -5.4738782 | NA |
| ## | BH.A18Q.02TCGA | -3.765591470 | -2.9225552 | NA | -0.4904626 | 0.8008548 |

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|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A130.02TCGA | -0.763008828 | -0.8548452 | NA | 1.1294755 | 0.8539665 |
| ## | C8.A138.03TCGA | NA | -2.8815422 | NA | -4.4285121 | -0.8225729 |
| ## | | NP_001182149 | NP_036388 | NP_001018121 | NP_001265234 | NP_006732 |
| ## | A0.A12D.01TCGA | NA | NA | -0.9268716 | -0.1382434 | 4.89830975 |
| ## | C8.A131.01TCGA | NA | NA | -1.4946083 | -0.1830949 | 0.47670973 |
| ## | A0.A12B.01TCGA | NA | NA | 0.9642556 | 0.4210468 | -1.32221030 |
| ## | BH.A18Q.02TCGA | 0.1317784 | 0.1317784 | -1.4338603 | -0.2863943 | 5.37064639 |
| ## | C8.A130.02TCGA | 1.5558585 | 1.5558585 | -0.5858959 | -0.6318141 | -0.07423637 |
| ## | C8.A138.03TCGA | -1.4296580 | -1.4296580 | -2.6474853 | -0.5848588 | -4.49799772 |
| ## | | NP_620074 | NP_001017536 | NP_954587 | NP_001120836 | NP_060494 |
| ## | A0.A12D.01TCGA | 2.9972205 | 1.3018603 | NA | NA | 0.29607357 |
| ## | C8.A131.01TCGA | 1.5696376 | 1.1365143 | NA | NA | 0.70743894 |
| ## | A0.A12B.01TCGA | -1.2141228 | 0.1217276 | NA | NA | 0.37947466 |
| ## | BH.A18Q.02TCGA | -0.8885631 | 1.5803287 | 0.646967204 | 0.646967204 | 0.07490691 |
| ## | C8.A130.02TCGA | -0.4284622 | -0.2677486 | 0.001200618 | 0.001200618 | -0.42518234 |
| ## | C8.A138.03TCGA | 1.5362819 | 0.2306832 | -0.284973405 | -0.284973405 | -1.88314322 |
| ## | | NP_001174 | NP_057204 | NP_055223 | NP_077270 | NP_001092102 |
| ## | A0.A12D.01TCGA | 0.6961024 | -4.8700127 | 0.06367588 | -0.1001454 | 0.4789439 |
| ## | C8.A131.01TCGA | 0.5293322 | 0.6305292 | 0.20145383 | 0.2581242 | -0.3612016 |
| ## | A0.A12B.01TCGA | -1.9291631 | -1.9430205 | -0.19144896 | 0.6178214 | 0.6538506 |
| ## | BH.A18Q.02TCGA | -0.1592698 | -1.0257237 | -0.27970357 | 0.1953407 | -1.5275310 |
| ## | C8.A130.02TCGA | -0.6055751 | 0.6276556 | -0.38254404 | 0.4505427 | 0.9326834 |
| ## | C8.A138.03TCGA | 0.1977690 | -0.8993728 | -0.32885908 | -0.4312590 | -0.2154878 |
| ## | | NP_003245 | NP_076933 | NP_001243614 | NP_055606 | NP_005345 |
| ## | A0.A12D.01TCGA | -1.8526526 | -1.464053 | 0.840874705 | 0.840874705 | 0.07891507 |
| ## | C8.A131.01TCGA | 0.3228903 | -1.012910 | 0.901737225 | 0.901737225 | 0.10835256 |
| ## | A0.A12B.01TCGA | 1.7929263 | 1.313461 | 0.213186224 | 0.213186224 | 0.58179225 |
| ## | BH.A18Q.02TCGA | -0.5707518 | -1.069214 | 0.001308505 | 0.001308505 | -1.32011733 |
| ## | C8.A130.02TCGA | -0.5826160 | -2.150393 | -0.592455647 | -0.592455647 | 0.69981269 |
| ## | C8.A138.03TCGA | -2.0111431 | -2.003829 | 4.641193051 | 4.641193051 | -0.85182998 |
| ## | | NP_060416 | NP_003029 | NP_004163 | NP_001854 | NP_057670 |
| ## | A0.A12D.01TCGA | 0.61228682 | -1.10593216 | NA | 0.4179871 | -0.8354365 |
| ## | C8.A131.01TCGA | 3.58953016 | -0.64050541 | NA | 0.3431297 | 0.7722050 |
| ## | A0.A12B.01TCGA | -1.39981157 | -0.07781853 | NA | 0.5817922 | -0.5739124 |
| ## | BH.A18Q.02TCGA | -0.62093252 | -3.18684041 | -7.7131421 | -0.3666835 | 0.3358467 |
| ## | C8.A130.02TCGA | 0.05367852 | -3.47874025 | -3.4787402 | 0.8441269 | 0.2340713 |
| ## | C8.A138.03TCGA | 0.18679755 | -0.36543047 | -0.1752592 | -0.2154878 | -1.2431439 |
| ## | | NP_001026873 | NP_659489 | NP_056998 | NP_005970 | NP_000794 |
| ## | A0.A12D.01TCGA | 1.1570880 | -0.3554019 | 1.24471331 | -2.8508197 | 0.4637047 |
| ## | C8.A131.01TCGA | 0.7883966 | -1.8305824 | 0.95031180 | -0.5150211 | 2.0513354 |
| ## | A0.A12B.01TCGA | 2.7934284 | -1.0312055 | -0.09999032 | -0.1997634 | -3.7361640 |
| ## | BH.A18Q.02TCGA | -0.3332297 | -0.8751815 | -0.59082408 | -0.9655069 | 1.3494974 |
| ## | C8.A130.02TCGA | -1.0253983 | -0.9171627 | -0.91060293 | -2.0552772 | -1.6452936 |
| ## | C8.A138.03TCGA | 1.0535395 | 0.9255397 | 0.69513989 | -1.6746863 | -1.5210864 |
| ## | | NP_000795 | NP_056349 | NP_060065 | NP_758869 | NP_002380 |
| ## | A0.A12D.01TCGA | 1.4999698 | -0.1534826 | 1.0351744 | 0.1017739 | -0.2182492 |
| ## | C8.A131.01TCGA | 1.8732286 | 1.4927278 | 0.2095496 | -0.6931279 | -0.4583508 |
| ## | A0.A12B.01TCGA | -5.0526141 | -1.4108975 | 1.3744338 | -1.5855003 | -1.5855003 |
| ## | BH.A18Q.02TCGA | 0.5700234 | -0.1860329 | -0.7179486 | -1.1996836 | -1.1394667 |
| ## | C8.A130.02TCGA | -1.3697846 | -0.1365539 | 0.8474068 | -3.1540332 | -2.9933197 |
| ## | C8.A138.03TCGA | -0.2703448 | 0.5854257 | 0.9328539 | -0.3764019 | -0.4824589 |
| ## | | NP_758860 | NP_002614 | NP_006638 | NP_060209 | NP_002389 |
| ## | A0.A12D.01TCGA | -0.2182492 | -1.74216845 | 0.05224649 | NA | 0.1893992 |
| ## | C8.A131.01TCGA | -0.4583508 | -0.64050541 | 0.66291225 | NA | 4.2614784 |


```

## AO.A12B.01TCGA -1.5855003 0.62613583 0.95039827 NA -1.4136689
## BH.A18Q.02TCGA -1.1996836 0.03476232 -1.73159930 0.06821614 1.2758990
## C8.A130.02TCGA -3.0589170 0.62109583 0.36198619 -0.79580752 0.1914330
## C8.A138.03TCGA -0.5921731 0.85971115 1.55456759 NA -0.0509165
## NP_064545 NP_663622 NP_055589 NP_004356 NP_009140 NP_054902
## AO.A12D.01TCGA -0.9230618 NA 1.6904597 -3.0374998 -0.2258688 -0.1877708
## C8.A131.01TCGA 4.0914674 NA 0.7681572 -0.3166749 1.7558401 0.6548165
## AO.A12B.01TCGA -0.5046255 NA -0.4325672 1.7319539 -1.7573317 0.6122785
## BH.A18Q.02TCGA 2.4902726 1.463240 -2.9024830 -1.7315993 -2.9994990 -0.6309687
## C8.A130.02TCGA 1.1983528 1.792009 -0.6810121 -1.1795522 2.2675900 -1.2057911
## C8.A138.03TCGA -2.7754852 4.714336 0.9218825 1.2217679 -0.5885160 0.5232543
## NP_076945 NP_000446 NP_003103 NP_057161 NP_060910
## AO.A12D.01TCGA -0.80876790 -0.66018577 -0.4087391 -1.6012059 -0.23729818
## C8.A131.01TCGA 1.03936518 -0.41787196 -1.1950651 -2.0167849 1.12841856
## AO.A12B.01TCGA -0.09167590 1.44926357 -1.7296170 -2.0843656 -0.03347495
## BH.A18Q.02TCGA 0.01134465 -0.08901681 -1.6981455 -1.4037519 1.11866605
## C8.A130.02TCGA 1.69689282 -0.35630509 0.4341433 -1.1729924 0.14879472
## C8.A138.03TCGA -0.81160144 -0.72748724 2.5163952 0.0331977 -0.08748789
## NP_055613 NP_113657 NP_683685 NP_061833 NP_004350
## AO.A12D.01TCGA 1.4352032 0.10939346 -0.5877996 -3.574681 0.1703502
## C8.A131.01TCGA 2.7880497 -0.99267105 -2.7251641 -1.907492 0.4443267
## AO.A12B.01TCGA -0.7457437 -0.04456085 2.3361352 3.428096 -0.4103954
## BH.A18Q.02TCGA 0.3592644 0.27897520 0.9246339 NA -0.1826875
## C8.A130.02TCGA -0.1660727 -1.58297604 0.2931089 NA 0.3259076
## C8.A138.03TCGA 1.9056530 -0.42760183 -1.0968583 NA -0.3288591
## NP_000912 NP_001231612 NP_036514 NP_067640 NP_942559
## AO.A12D.01TCGA NA NA -1.6164451 0.6770534 1.7857047
## C8.A131.01TCGA NA NA 1.0717482 -0.2154779 0.9907906
## AO.A12B.01TCGA NA NA 0.5623919 -3.2234414 0.7757954
## BH.A18Q.02TCGA -0.2529405 -0.2529405 0.6971479 0.9580877 -7.9941541
## C8.A130.02TCGA -0.9893198 -0.9893198 -0.1135948 0.3193479 -0.5629368
## C8.A138.03TCGA -0.5007446 -0.5007446 -0.4093161 0.3952545 0.5744543
## NP_005084 NP_001185608 NP_005178 NP_004877 NP_060687
## AO.A12D.01TCGA 2.517185898 2.2009727 2.2009727 0.8865923 NA
## C8.A131.01TCGA -0.235717316 -0.9521922 -0.9521922 1.4360575 NA
## AO.A12B.01TCGA 1.490835681 -0.1221621 -0.1221621 0.2381295 NA
## BH.A18Q.02TCGA -0.005382259 1.0584492 1.0584492 -1.8988684 2.3631481
## C8.A130.02TCGA -1.163152830 -1.5009793 -1.5009793 0.7129322 -0.6547732
## C8.A138.03TCGA 0.461082984 0.5305686 0.5305686 -1.1590297 0.1648547
## NP_671722 NP_036221 NP_003675 NP_116115 NP_060184 NP_476502
## AO.A12D.01TCGA 1.2675721 4.1592089 -1.1706987 -1.3307102 0.2960736 NA
## C8.A131.01TCGA 0.2621720 1.8570371 -1.5148477 0.2216932 0.3269381 NA
## AO.A12B.01TCGA 1.6266379 -1.3388391 -2.4030851 2.5218240 0.1189561 NA
## BH.A18Q.02TCGA -5.2877402 1.3896420 0.4663166 -0.2462498 0.3893728 0.5332242
## C8.A130.02TCGA 3.1990728 -0.6416537 -0.5038992 -1.0450776 0.9162840 0.5915770
## C8.A138.03TCGA -0.4714875 -0.2959448 -1.7295434 NA 0.7499970 -0.3764019
## NP_001158220 NP_001008398 NP_056049 NP_079420 NP_542382
## AO.A12D.01TCGA NA 1.3894856 -1.5897765 0.65800439 -0.46207627
## C8.A131.01TCGA NA 2.9378213 2.2294422 -2.36895057 -0.55549991
## AO.A12B.01TCGA NA -1.5106705 0.3628458 -0.42148129 -0.43811014
## BH.A18Q.02TCGA -1.2030290 -0.3666835 1.3494974 -5.03683658 0.49977040
## C8.A130.02TCGA 0.1848733 0.5653381 0.7785295 -0.01519873 1.32298777
## C8.A138.03TCGA 1.1632537 2.3335382 -0.4788018 NA 0.04051198
## NP_003202 NP_006278 NP_001027452 NP_061969 NP_004036

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | A0.A12D.01TCGA | -1.34594944 | NA | NA | -0.3973097 | -0.4735057 |
| ## | C8.A131.01TCGA | -1.21530450 | NA | NA | -0.2276216 | -1.5998532 |
| ## | A0.A12B.01TCGA | -1.49127021 | NA | NA | 0.1827000 | 0.2880160 |
| ## | BH.A18Q.02TCGA | -0.02545455 | -2.056101 | -1.607820 | 0.8677624 | -1.8118885 |
| ## | C8.A130.02TCGA | 1.02779957 | -1.090996 | -1.215631 | 0.6998127 | -1.1697126 |
| ## | C8.A138.03TCGA | NA | -2.106229 | -2.106229 | 0.8304540 | 1.3095393 |
| ## | | NP_003163 | NP_660304 | NP_065189 | NP_055701 | NP_001258594 |
| ## | A0.A12D.01TCGA | -0.5649408 | -1.53262955 | 3.1153242 | 0.0293877 | 3.416298 |
| ## | C8.A131.01TCGA | -1.3853155 | -1.62414047 | 1.1931847 | -0.2519088 | 2.715188 |
| ## | A0.A12B.01TCGA | 1.2275457 | -0.06396116 | 0.2270436 | 0.3628458 | 2.635454 |
| ## | BH.A18Q.02TCGA | -1.0257237 | -1.49407719 | -0.1793421 | -0.5138803 | -5.103744 |
| ## | C8.A130.02TCGA | -1.5796962 | 2.65789440 | 0.2176720 | 1.5033806 | 1.464022 |
| ## | C8.A138.03TCGA | -1.1151440 | -0.77868719 | 2.8601663 | -0.9066871 | NA |
| ## | | NP_998814 | NP_000308 | NP_443168 | NP_938023 | NP_001136060 |
| ## | A0.A12D.01TCGA | -0.50398405 | -0.911632451 | -0.1725316 | -0.4849351 | -0.35540192 |
| ## | C8.A131.01TCGA | 0.18526230 | -0.413824076 | -0.1749991 | 1.3186690 | -0.89956979 |
| ## | A0.A12B.01TCGA | 0.07184106 | 0.368388761 | -0.4048524 | -1.2030369 | 0.37947466 |
| ## | BH.A18Q.02TCGA | -1.11270366 | 0.760710188 | 0.1317784 | 0.9212885 | 0.57671419 |
| ## | C8.A130.02TCGA | 0.64405492 | -2.019198604 | 0.4275836 | -1.8224065 | 0.59485688 |
| ## | C8.A138.03TCGA | 0.83045404 | 0.003940589 | -0.5263446 | 1.7227960 | 0.06245481 |
| ## | | NP_001136061 | NP_057579 | NP_001137438 | NP_061871 | NP_004144 |
| ## | A0.A12D.01TCGA | -0.3554019 | -1.0030676 | -1.0030676 | -0.1115748 | NA |
| ## | C8.A131.01TCGA | -2.3325196 | 0.9381682 | 0.9381682 | 0.1852623 | NA |
| ## | A0.A12B.01TCGA | -0.3438800 | -0.2219352 | -0.2219352 | 0.3185022 | NA |
| ## | BH.A18Q.02TCGA | 0.3860274 | -0.1492337 | -0.1492337 | -0.9688522 | -0.4135188 |
| ## | C8.A130.02TCGA | 0.4439829 | 0.1520746 | 0.1520746 | -0.7039712 | -0.1693526 |
| ## | C8.A138.03TCGA | 0.1136548 | 0.6768542 | -1.3857723 | 0.5671400 | 0.2855403 |
| ## | | NP_443076 | NP_006225 | NP_009199 | NP_001244332 | NP_055269 |
| ## | A0.A12D.01TCGA | -1.7650272 | -1.15545953 | -0.2753962 | -0.2753962 | -0.1153846 |
| ## | C8.A131.01TCGA | -0.8874261 | -0.11832877 | 3.4073755 | 3.4073755 | 1.2417592 |
| ## | A0.A12B.01TCGA | -0.1304765 | 0.23535802 | -1.5023561 | -1.5023561 | 1.9758436 |
| ## | BH.A18Q.02TCGA | 0.1451599 | 0.95808772 | -4.4513948 | -4.4513948 | -0.6476956 |
| ## | C8.A130.02TCGA | -2.0979155 | -0.06111689 | -1.1467535 | -1.1467535 | -0.9860399 |
| ## | C8.A138.03TCGA | 1.1998251 | -0.07285933 | -0.2301163 | -0.2301163 | 1.0096539 |
| ## | | NP_653266 | NP_001258523 | NP_060678 | NP_004835 | NP_002510 |
| ## | A0.A12D.01TCGA | NA | NA | NA | -0.3896901 | 2.21240204 |
| ## | C8.A131.01TCGA | NA | NA | NA | -0.3733453 | -0.09808936 |
| ## | A0.A12B.01TCGA | NA | NA | NA | -0.2219352 | -0.15541980 |
| ## | BH.A18Q.02TCGA | 0.6436218 | 0.7607102 | -2.186571232 | -0.5205711 | -2.87906528 |
| ## | C8.A130.02TCGA | 0.5390991 | 0.6670140 | 1.011400229 | 1.2081924 | -1.24842942 |
| ## | C8.A138.03TCGA | NA | NA | 0.007597728 | 1.7410817 | 2.29696685 |
| ## | | NP_038286 | NP_006701 | NP_937832 | NP_002406 | NP_000123 |
| ## | A0.A12D.01TCGA | -1.1897477 | -0.595419203 | -0.595419203 | 1.4009150 | 1.1075606 |
| ## | C8.A131.01TCGA | -1.1302990 | 0.003107659 | 0.156927135 | -1.1019638 | -0.2842919 |
| ## | A0.A12B.01TCGA | 0.0247260 | 1.607237584 | 1.748582751 | 1.9010138 | -0.7706870 |
| ## | BH.A18Q.02TCGA | 0.5432604 | 0.058179997 | -0.002036877 | 0.7807825 | -0.0154184 |
| ## | C8.A130.02TCGA | -0.3825440 | 0.466941997 | 0.381665407 | -0.3235064 | 0.2406310 |
| ## | C8.A138.03TCGA | -1.0858869 | -1.557657835 | -1.411372268 | -1.0968583 | -0.2703448 |
| ## | | NP_000707 | NP_002481 | NP_066545 | NP_060302 | NP_003333 |
| ## | A0.A12D.01TCGA | -0.6258976 | -0.08871605 | -0.03156908 | 0.07510527 | -0.50779385 |
| ## | C8.A131.01TCGA | 3.1240239 | -0.69312786 | 0.03144283 | 0.57790675 | 0.03953859 |
| ## | A0.A12B.01TCGA | -2.2340252 | -0.57668383 | -0.53234025 | 0.36561729 | 0.13558496 |
| ## | BH.A18Q.02TCGA | -0.6844948 | -0.21279593 | -0.85845463 | 0.99823230 | -1.32346271 |
| ## | C8.A130.02TCGA | 0.3685459 | 0.07991747 | 0.46038226 | -0.79908738 | 0.71621203 |

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## C8.A138.03TCGA -1.9745717 -1.01274410 -2.03308593 0.36234023 -0.33617335
## NP_064706 NP_001099043 NP_002927 NP_002996 NP_001017368
## A0.A12D.01TCGA -0.23348838 0.70753177 -0.7897189 0.1474914 NA
## C8.A131.01TCGA -0.04141903 -0.03332327 -0.6647927 0.8248275 NA
## A0.A12B.01TCGA 1.49637863 -0.72357195 -0.2302496 -0.6099415 NA
## BH.A18Q.02TCGA 0.51984269 -0.09570757 -0.1157799 1.7710155 0.5700234
## C8.A130.02TCGA 1.94944272 -0.11031492 0.2832693 -1.4386618 -0.5235784
## C8.A138.03TCGA 0.62565425 0.28188316 -1.6308006 -1.9087432 1.9934243
## NP_000279 NP_653267 NP_001507 NP_001258796 NP_003556
## A0.A12D.01TCGA -1.10974196 -2.1841050 0.17035023 0.08653467 -4.123292
## C8.A131.01TCGA -0.08594572 1.1365143 1.49677572 1.34700413 12.677023
## A0.A12B.01TCGA 3.02068926 -2.2866832 0.02749747 0.17715706 NA
## BH.A18Q.02TCGA -0.53729797 -4.1202019 -0.33657506 -0.33657506 -1.300045
## C8.A130.02TCGA 0.13567524 1.2147521 -0.15623309 -0.15623309 0.991721
## C8.A138.03TCGA -0.03263080 0.3477117 0.72805414 0.72805414 -1.557658
## NP_006396 NP_004891 NP_689639 NP_001180218 NP_878907
## A0.A12D.01TCGA 2.6619582 -0.3020647 0.89802168 NA 0.2389266
## C8.A131.01TCGA -0.8348037 -2.2677535 0.43218304 NA 1.7113134
## A0.A12B.01TCGA 0.7286804 -1.2640094 -1.17255071 NA -1.2002655
## BH.A18Q.02TCGA -3.1901858 0.6302403 0.08828843 2.403293 -2.4174026
## C8.A130.02TCGA -1.4944196 -2.0159187 -1.33698588 -2.029038 -0.2939876
## C8.A138.03TCGA 2.0702242 -2.9254279 -1.30531523 -5.551254 0.2745689
## NP_665906 NP_665910 NP_653280 NP_057016 NP_000050
## A0.A12D.01TCGA 1.8238026 1.9990533 -0.5839898 -2.5079379 0.8180159
## C8.A131.01TCGA -3.9435762 -2.8101696 0.5617152 0.6831517 0.9260245
## A0.A12B.01TCGA -0.7623726 -2.7689197 -0.1277051 -1.7379314 0.7175945
## BH.A18Q.02TCGA 1.8981400 0.3693005 -0.4636996 -1.7617077 0.5867503
## C8.A130.02TCGA 0.5686179 0.6571744 -0.4547012 2.4479828 -0.9401217
## C8.A138.03TCGA 0.1136548 -0.4312590 -0.9140013 -0.2886305 0.8450826
## NP_068839 NP_055101 NP_078857 NP_001164263 NP_653314
## A0.A12D.01TCGA 1.3704367 -0.9421108 0.7075318 1.62950292 1.2066153
## C8.A131.01TCGA 1.0919876 2.0877663 -1.2881664 0.01120342 -0.2519088
## A0.A12B.01TCGA -0.3521944 -1.5189849 -1.7434743 1.43540620 1.1083723
## BH.A18Q.02TCGA -0.5138803 0.8510355 0.4663166 -0.84172772 -1.0491414
## C8.A130.02TCGA -2.4849400 -1.3074671 0.6899731 -0.91716266 -1.0221185
## C8.A138.03TCGA -0.1021164 0.9474825 -0.7311444 -0.67263016 -0.6689730
## NP_060182 NP_891549 NP_001177915 NP_115686 NP_001026879
## A0.A12D.01TCGA -3.1594134 -0.5611310 5.401203 -2.19934423 1.8352320
## C8.A131.01TCGA -1.7981994 1.8044147 6.682111 0.12049621 -0.1790470
## A0.A12B.01TCGA 0.9642556 -0.2385640 -1.574414 -0.29953644 -1.5965862
## BH.A18Q.02TCGA -0.1291614 -0.9655069 -5.254286 0.04145309 1.0919030
## C8.A130.02TCGA 0.2767096 0.3783855 -5.118675 -0.30054732 0.6506147
## C8.A138.03TCGA -3.0387992 -0.8884014 -4.329769 -0.97251557 0.2123975
## NP_057143 NP_067010 NP_001186137 NP_001073 NP_076433
## A0.A12D.01TCGA 0.002719109 1.347578 1.1342292 3.279146 1.1342292
## C8.A131.01TCGA 0.205501706 1.678930 6.3582807 2.941869 6.3582807
## A0.A12B.01TCGA -0.659828047 -1.028434 -0.5267973 -1.011805 -0.5267973
## BH.A18Q.02TCGA 0.248866763 NA NA NA NA
## C8.A130.02TCGA 1.086837213 NA NA NA NA
## C8.A138.03TCGA 0.995025303 -6.582567 -6.5825670 -4.117655 -6.5825670
## NP_006562 NP_775846 NP_003327 NP_003328 NP_036412
## A0.A12D.01TCGA -1.2468947 -1.7231195 0.4179871 -0.2030100 1.54568737
## C8.A131.01TCGA -0.5514520 0.4119436 0.1812144 -0.1061851 0.76815716
## A0.A12B.01TCGA 0.0136401 -1.0228911 0.5402201 1.1942880 0.01918305

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```

## BH.A18Q.02TCGA 0.1117061 -1.0625229 -0.7413663 -0.1726514 -1.72156315
## C8.A130.02TCGA 0.1061564 0.8638061 0.4046245 -0.9302821 0.31606803
## C8.A138.03TCGA 0.1136548 0.4720544 -0.1679450 -0.7274872 -0.08383075
## NP_803183 NP_001025056 NP_001136113 NP_060411 NP_064577
## AO.A12D.01TCGA 1.54568737 1.0656528 1.4009150 -0.54970162 -0.6639956
## C8.A131.01TCGA 0.76815716 0.0152513 0.8572105 -1.44603371 0.5293322
## AO.A12B.01TCGA 0.01918305 -0.3743662 1.2136883 -0.08890443 -1.0810921
## BH.A18Q.02TCGA -1.72156315 -0.9019446 -4.5283385 0.08159767 -3.2470573
## C8.A130.02TCGA 0.31606803 1.1393151 0.6538945 -0.21855060 1.4443429
## C8.A138.03TCGA -0.08383075 -0.7128587 2.1909098 0.78656837 -1.4333151
## NP_002940 NP_005787 NP_001268 NP_004543 NP_149105
## AO.A12D.01TCGA -0.5077938 0.002719109 -1.5440589 -1.5250100 0.1055837
## C8.A131.01TCGA -2.3568069 0.630529203 1.8732286 -0.1871427 -0.3854889
## AO.A12B.01TCGA 1.5324078 -0.330022656 -0.5323402 -0.7180290 0.1106417
## BH.A18Q.02TCGA 0.3960636 1.476621906 0.4964250 0.8409994 -0.7313301
## C8.A130.02TCGA 0.5063004 0.050398651 0.4079044 0.5456589 0.5095803
## C8.A138.03TCGA -1.9124003 -1.802686159 -1.0858869 -2.3951427 0.3257688
## NP_757345 NP_003909 NP_061861 NP_054880 NP_004137
## AO.A12D.01TCGA 3.9344308 0.08653467 0.69229258 -0.23729818 1.59521474
## C8.A131.01TCGA -1.2436397 -1.72533750 0.03549071 -2.04512009 0.38765635
## AO.A12B.01TCGA -1.4718699 -3.66964868 0.54299162 1.76521159 -2.94906547
## BH.A18Q.02TCGA 2.6809594 -3.49796092 -1.90890454 -0.58747870 -0.11912524
## C8.A130.02TCGA -1.5796962 -1.39602352 -0.92372240 0.08647721 0.11599603
## C8.A138.03TCGA -0.4276018 0.49399724 0.37331164 -1.21022961 0.08805479
## NP_001119800 NP_612457 NP_073750 NP_005776 NP_001230618
## AO.A12D.01TCGA 2.1285865 -0.2753962 0.31893236 0.07129548 0.39893812
## C8.A131.01TCGA 1.7436965 -1.2679270 -0.11428089 0.39575211 0.09216104
## AO.A12B.01TCGA 0.4238182 -2.1342521 1.21645977 0.08015548 0.25475833
## BH.A18Q.02TCGA -1.1561936 0.3325013 0.06152538 -0.06559913 -3.16342274
## C8.A130.02TCGA -0.6547732 3.0219598 0.78180941 -0.28086810 -0.49733945
## C8.A138.03TCGA 4.0048508 -4.0591410 -0.55925884 1.71548172 1.33148211
## NP_001017979 NP_115682 NP_057075 NP_115990 NP_005698
## AO.A12D.01TCGA -0.06585726 -0.4925547 0.7113416 -0.35540192 NA
## C8.A131.01TCGA 0.37146482 -0.9724316 0.4888534 -1.45817736 NA
## AO.A12B.01TCGA -0.60717004 2.2114189 -3.1957266 3.04286105 NA
## BH.A18Q.02TCGA -0.23286823 -1.8654146 1.5100757 -0.62093252 -0.6978763
## C8.A130.02TCGA -0.09719545 1.2672300 0.6965328 -1.73385001 -1.1762723
## C8.A138.03TCGA -1.09320116 -0.5519446 -0.1862306 0.08074051 1.7264531
## NP_835465 NP_085143 NP_005229 NP_001137292 NP_001243224
## AO.A12D.01TCGA 1.4809208 5.66407918 0.6618142 2.70005621 NA
## C8.A131.01TCGA -2.9194624 -1.93987519 0.7155347 1.63845155 NA
## AO.A12B.01TCGA -1.7240740 7.25827282 -2.4003136 -2.77723409 NA
## BH.A18Q.02TCGA NA -1.44055108 1.5535657 2.35645733 1.0116138
## C8.A130.02TCGA NA -1.84536555 -0.3267863 -0.18575191 1.0474788
## C8.A138.03TCGA -0.4788018 -0.01434511 -0.4641732 0.01491201 0.2672546
## NP_078796 NP_068762 NP_005619 NP_000090 NP_689648
## AO.A12D.01TCGA 0.20463841 2.8676873 2.3419352 -1.3383298 NA
## C8.A131.01TCGA -0.04951479 -0.2964355 1.8489414 -1.4703210 NA
## AO.A12B.01TCGA 0.52359130 0.5707064 0.7924243 2.4109650 NA
## BH.A18Q.02TCGA -0.24624975 -2.3739126 3.0288791 -0.1291614 -0.9019446
## C8.A130.02TCGA -0.86796463 2.5726178 -0.7925276 -1.5272183 -1.0942756
## C8.A138.03TCGA 2.80530919 1.1778823 2.0921671 1.3351392 -2.0221145
## NP_114105 NP_001138600 NP_001760 NP_570968 NP_001098719
## AO.A12D.01TCGA 1.88094960 0.5970476 -2.252681 3.8506153 NA

```

| | | | | | | |
|----|----------------|--------------|--------------|------------|--------------|-------------|
| ## | C8.A131.01TCGA | -0.19928639 | 0.2459805 | -2.583488 | 1.8691808 | NA |
| ## | A0.A12B.01TCGA | 0.29355897 | 0.7037371 | -4.553749 | -0.5184829 | NA |
| ## | BH.A18Q.02TCGA | -2.07282825 | -1.6881093 | -1.637929 | -0.9454346 | NA |
| ## | C8.A130.02TCGA | -0.02175846 | -1.1729924 | -1.635454 | -1.1959515 | NA |
| ## | C8.A138.03TCGA | 0.45011157 | -1.6564006 | 0.907254 | 1.1486251 | -1.491829 |
| ## | NP_001107593 | NP_004385 | NP_060343 | NP_821066 | NP_443131 | |
| ## | A0.A12D.01TCGA | -0.7325719 | 1.2409035 | -0.2830158 | -0.39730970 | 1.72474788 |
| ## | C8.A131.01TCGA | 0.7317262 | 0.7560135 | -0.1102330 | -0.13856817 | 0.07192163 |
| ## | A0.A12B.01TCGA | -1.2390661 | 0.9282265 | 1.1998309 | 1.50192158 | 1.04185691 |
| ## | BH.A18Q.02TCGA | -1.2933543 | 0.3023929 | -0.1693060 | -0.09236219 | NA |
| ## | C8.A130.02TCGA | -1.4976995 | -0.1431136 | -0.6350939 | -0.71709066 | NA |
| ## | C8.A138.03TCGA | NA | 0.1173119 | -0.4385733 | -0.82623000 | NA |
| ## | NP_542776 | NP_997719 | NP_689622 | NP_116213 | NP_031370 | |
| ## | A0.A12D.01TCGA | 1.149468 | -1.3002319 | -0.3363529 | 1.6333127 | 1.7590361 |
| ## | C8.A131.01TCGA | -3.882858 | 0.1569271 | -0.5959787 | 0.4929013 | 0.7317262 |
| ## | A0.A12B.01TCGA | -4.706180 | -0.2939935 | 1.8566702 | -2.6054027 | -0.4879967 |
| ## | BH.A18Q.02TCGA | -2.925901 | 0.1485053 | 0.2689391 | -2.1765351 | -8.8606080 |
| ## | C8.A130.02TCGA | -1.789608 | 1.0277996 | -0.1332740 | -1.7174507 | -0.5301381 |
| ## | C8.A138.03TCGA | 2.388395 | 0.9182254 | 0.3513688 | 2.5310238 | NA |
| ## | NP_001158101 | NP_612639 | NP_115883 | NP_115946 | NP_689592 | |
| ## | A0.A12D.01TCGA | 1.3666269 | 0.2160678 | -0.1115748 | 1.8733300 | 0.93992946 |
| ## | C8.A131.01TCGA | 1.3834351 | 1.2498550 | 0.1528793 | 0.9219766 | 0.93007239 |
| ## | A0.A12B.01TCGA | -0.4297957 | 0.1189561 | -1.8875910 | -0.9480613 | 0.29078749 |
| ## | BH.A18Q.02TCGA | -0.1659606 | 0.8309632 | -2.1631536 | 0.5198427 | -1.74163544 |
| ## | C8.A130.02TCGA | -0.3956635 | 0.6506147 | 1.2377112 | -0.5826160 | 0.06023826 |
| ## | C8.A138.03TCGA | -1.9014289 | -0.7567444 | -1.1261154 | NA | -0.03994508 |
| ## | NP_001153242 | NP_631916 | NP_002683 | NP_872307 | NP_036394 | |
| ## | A0.A12D.01TCGA | 3.0048401 | 3.0048401 | 1.0808920 | 0.9627882 | 1.5494972 |
| ## | C8.A131.01TCGA | 1.5372545 | 1.5372545 | 1.7436965 | -1.7010502 | -0.7943249 |
| ## | A0.A12B.01TCGA | -1.1392930 | -1.1392930 | -0.3882236 | 0.7286804 | -0.6043986 |
| ## | BH.A18Q.02TCGA | -1.7683985 | -1.7683985 | -3.1032059 | -0.6911855 | 0.1953407 |
| ## | C8.A130.02TCGA | -0.2874278 | -0.2874278 | -0.4776602 | -0.6514933 | -1.1369139 |
| ## | C8.A138.03TCGA | 1.1303395 | 1.1303395 | 0.3659974 | -0.4788018 | NA |
| ## | NP_036460 | NP_055675 | NP_001078868 | NP_777591 | NP_057529 | |
| ## | A0.A12D.01TCGA | 1.004696026 | NA | -0.1953904 | -1.3383298 | NA |
| ## | C8.A131.01TCGA | 0.003107659 | NA | -1.0776765 | -0.5838351 | NA |
| ## | A0.A12B.01TCGA | 3.040089577 | NA | 0.5485346 | -0.8787745 | NA |
| ## | BH.A18Q.02TCGA | -0.517225683 | -0.8818723 | -2.5043825 | -3.2704750 | -0.5740972 |
| ## | C8.A130.02TCGA | -0.667892631 | -0.1070351 | -1.9044032 | 0.5456589 | -1.3533852 |
| ## | C8.A138.03TCGA | NA | 0.2526261 | 0.8048541 | -0.1898878 | 1.5984533 |
| ## | NP_003640 | NP_004480 | NP_940820 | NP_001889 | NP_001258862 | |
| ## | A0.A12D.01TCGA | -1.18593792 | -0.3477823 | NA | NA | 0.42179691 |
| ## | C8.A131.01TCGA | -1.50675193 | -0.1952385 | NA | NA | 0.02739495 |
| ## | A0.A12B.01TCGA | -0.03347495 | -0.9924049 | NA | NA | -2.78277704 |
| ## | BH.A18Q.02TCGA | -0.69118554 | -2.6448885 | -1.1528482 | -2.00926599 | -7.65292519 |
| ## | C8.A130.02TCGA | -1.01555873 | 1.8772856 | -0.9204425 | 0.94580285 | 1.16883393 |
| ## | C8.A138.03TCGA | -2.40245698 | 1.8069102 | 0.1355976 | 0.09902621 | 0.54885432 |
| ## | NP_932343 | NP_612464 | NP_937875 | NP_001015 | NP_055182 | |
| ## | A0.A12D.01TCGA | 0.4713243 | 1.1266096 | -0.5535114 | 0.6237162 | 3.0238891 |
| ## | C8.A131.01TCGA | 2.1201494 | 1.6344037 | -2.2434663 | 0.9988864 | -1.2557833 |
| ## | A0.A12B.01TCGA | -0.1997634 | -2.6552892 | -3.1264398 | -0.3023079 | -0.2607358 |
| ## | BH.A18Q.02TCGA | -0.8751815 | 0.7908186 | -0.3901012 | 0.3425375 | -1.1561936 |
| ## | C8.A130.02TCGA | -0.3825440 | 1.2344313 | -1.3041872 | 0.7949289 | 0.1028766 |
| ## | C8.A138.03TCGA | -0.8920585 | 1.2839393 | -0.8664585 | 0.2489689 | -0.9322870 |

| | | | | | | |
|----|----------------|--------------|-------------|--------------|--------------|--------------|
| ## | | NP_003796 | NP_997002 | NP_067000 | NP_054752 | NP_795361 |
| ## | AO.A12D.01TCGA | 0.3151226 | -1.0983126 | -1.7269293 | -0.7363817 | -1.1021224 |
| ## | C8.A131.01TCGA | -0.8469473 | -0.3045313 | -0.7376546 | -2.2758493 | -0.9805274 |
| ## | AO.A12B.01TCGA | 0.1411279 | 1.2718892 | 0.5429916 | -3.7250782 | 0.3157308 |
| ## | BH.A18Q.02TCGA | 0.5700234 | 0.3023929 | 1.7141440 | 2.2895497 | 0.4796981 |
| ## | C8.A130.02TCGA | 0.8572464 | 1.4968208 | 0.5554985 | -0.8745244 | 2.0379992 |
| ## | C8.A138.03TCGA | 0.1355976 | -0.3069162 | -0.8884014 | 2.0738814 | -1.6454292 |
| ## | | NP_604391 | NP_005162 | NP_898829 | NP_874389 | NP_001230587 |
| ## | AO.A12D.01TCGA | -0.5801800 | -0.07728665 | -1.2735633 | -2.8698687 | -1.0945028 |
| ## | C8.A131.01TCGA | 0.2419326 | -0.89552191 | -0.7174151 | -0.8064685 | -0.7255109 |
| ## | AO.A12B.01TCGA | -0.4214813 | -1.59658622 | -2.8603783 | -2.2284823 | 3.4364103 |
| ## | BH.A18Q.02TCGA | -0.7212940 | -5.99027041 | -10.3225399 | -10.5031905 | 2.9251723 |
| ## | C8.A130.02TCGA | 0.6965328 | -0.28414797 | 0.7194919 | 0.8375672 | -1.7568091 |
| ## | C8.A138.03TCGA | 0.6695399 | -0.13503070 | 2.2311383 | 1.9970814 | -1.2065725 |
| ## | | NP_003098 | NP_003099 | NP_008874 | NP_005827 | NP_001120729 |
| ## | AO.A12D.01TCGA | NA | NA | NA | -0.8849639 | -2.9308255 |
| ## | C8.A131.01TCGA | NA | NA | NA | -1.8548697 | 0.3026508 |
| ## | AO.A12B.01TCGA | NA | NA | NA | 0.6067355 | -0.9480613 |
| ## | BH.A18Q.02TCGA | -1.4472418 | -0.8216554 | NA | -0.5004988 | -4.9097121 |
| ## | C8.A130.02TCGA | 1.0015606 | 1.0245197 | NA | 1.0409190 | -1.4189826 |
| ## | C8.A138.03TCGA | 0.5451972 | NA | NA | -2.5816568 | 0.1685119 |
| ## | | NP_075568 | NP_057141 | NP_057149 | NP_061865 | NP_056168 |
| ## | AO.A12D.01TCGA | 0.6199064 | 0.07129548 | -2.3745949 | -1.2164163 | -1.60120592 |
| ## | C8.A131.01TCGA | 1.3429562 | 0.70743894 | -1.4500816 | 0.4726618 | 0.47266185 |
| ## | AO.A12B.01TCGA | -0.3494230 | 1.52409337 | 0.8506252 | 0.4349041 | 0.04135484 |
| ## | BH.A18Q.02TCGA | -0.1626152 | -0.28304895 | 0.4663166 | -0.4570088 | -0.76812932 |
| ## | C8.A130.02TCGA | -0.1004753 | -0.34646548 | 1.2803495 | 0.1422350 | -0.71381079 |
| ## | C8.A138.03TCGA | 2.2055384 | 0.82313976 | 0.3294260 | -0.8189157 | -1.91971461 |
| ## | | NP_060943 | NP_291027 | NP_001074008 | NP_068801 | NP_077302 |
| ## | AO.A12D.01TCGA | -0.2030100 | -0.99163821 | 0.06748568 | NA | -0.6144682 |
| ## | C8.A131.01TCGA | -0.9198092 | -0.13047241 | 0.98674273 | NA | 0.0152513 |
| ## | AO.A12B.01TCGA | 2.1920186 | -0.07781853 | -1.51898495 | NA | 0.7342233 |
| ## | BH.A18Q.02TCGA | -0.4369365 | -1.10935827 | -4.29081642 | 1.593710 | -0.7948924 |
| ## | C8.A130.02TCGA | 0.7752497 | -0.28414797 | 0.40462449 | -3.206511 | -0.5038992 |
| ## | C8.A138.03TCGA | -1.7405148 | -0.67994444 | 1.71548172 | -1.755143 | -1.7551433 |
| ## | | NP_078843 | NP_060326 | NP_060377 | NP_037507 | NP_065141 |
| ## | AO.A12D.01TCGA | -0.6220878 | -1.3535690 | -0.18777080 | 1.3437681 | -0.302064744 |
| ## | C8.A131.01TCGA | -0.7821812 | -1.7496248 | -1.69295445 | 1.2255677 | -0.000940222 |
| ## | AO.A12B.01TCGA | 0.7785669 | -2.5250300 | -0.39930950 | -0.9480613 | 0.928226484 |
| ## | BH.A18Q.02TCGA | 0.3258105 | -2.0427198 | -0.46704495 | -0.6744586 | -0.042181459 |
| ## | C8.A130.02TCGA | -0.9204425 | 0.5390991 | 0.03399931 | 1.6673740 | 1.860886265 |
| ## | C8.A138.03TCGA | -3.1594848 | 1.6496532 | 0.04416912 | -0.5556017 | 0.958453911 |
| ## | | NP_001003803 | NP_065184 | NP_003466 | NP_076955 | NP_005322 |
| ## | AO.A12D.01TCGA | -0.5116036 | -1.1211714 | 1.33614847 | -0.3287333 | -0.1611022 |
| ## | C8.A131.01TCGA | -0.1749991 | 0.7560135 | 1.22556770 | -0.1102330 | 4.4152979 |
| ## | AO.A12B.01TCGA | 2.7851140 | -0.6930857 | 0.06906958 | -0.6376563 | -0.9286610 |
| ## | BH.A18Q.02TCGA | 0.9447062 | 0.6135134 | NA | -1.9390130 | -3.3708364 |
| ## | C8.A130.02TCGA | 0.5095803 | 2.7825294 | NA | 1.6017766 | -4.1281543 |
| ## | C8.A138.03TCGA | 1.9239387 | -0.6580016 | 1.98611002 | 0.1538833 | -2.7059995 |
| ## | | NP_061945 | NP_003801 | NP_060316 | NP_001028260 | NP_064554 |
| ## | AO.A12D.01TCGA | -1.5250100 | 3.7058429 | 0.28464417 | -0.7478111 | 0.1665404 |
| ## | C8.A131.01TCGA | 0.5576673 | 0.5860025 | 0.38765635 | -0.4543029 | 1.1850889 |
| ## | AO.A12B.01TCGA | -1.9956785 | -1.5965862 | -0.19422044 | -0.2773647 | -1.6769590 |
| ## | BH.A18Q.02TCGA | 1.2324090 | -5.5553708 | 0.07490691 | -0.1626152 | 2.2494051 |

```

## C8.A130.02TCGA 0.1553545 -1.9240824 1.04091905 -0.1660727 -0.4383018
## C8.A138.03TCGA -0.4495447 0.8670254 -0.88474423 0.1867975 -1.2138868
## NP_002192 NP_059523 NP_079175 NP_078977 NP_653209
## A0.A12D.01TCGA 0.1665404 -0.41254889 1.21423492 -2.5955632 -2.0088543
## C8.A131.01TCGA -0.7619418 1.14056220 1.26604651 -2.3810942 -0.1021372
## A0.A12B.01TCGA 0.3268167 -0.65428510 -0.18590601 1.6903818 -0.7596011
## BH.A18Q.02TCGA 1.3896420 0.05483462 -0.00872764 -2.1363905 -1.5609848
## C8.A130.02TCGA -1.3140268 1.72969151 1.16883393 1.9166440 1.4377832
## C8.A138.03TCGA -1.2431439 -0.25937343 4.23159346 -0.8847442 -0.6104588
## NP_056517 NP_006433 NP_066957 NP_115527 NP_001095146
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## C8.A131.01TCGA -0.1102330 -1.65247564 -1.5269913 -2.0532159 -0.9764795
## A0.A12B.01TCGA -0.2496499 -1.13097861 2.2779343 3.4890683 -0.3965380
## BH.A18Q.02TCGA -0.8618000 0.08828843 1.3227343 -1.7617077 -1.3702981
## C8.A130.02TCGA -0.6416537 1.03435931 -0.5924556 -1.7764883 0.4702219
## C8.A138.03TCGA -0.9505727 1.18885368 -0.9725156 -0.1094307 0.4391401
## NP_001324 NP_009044 NP_006488 NP_006667 NP_005180
## A0.A12D.01TCGA 2.0219121 -2.4126929 NA 1.7590361 -0.75162093
## C8.A131.01TCGA 4.5731652 1.0798440 NA 1.7113134 1.53320665
## A0.A12B.01TCGA -2.0261647 -2.9407510 NA 0.6871083 0.11895611
## BH.A18Q.02TCGA -1.6847640 -0.1458883 0.93132466 -0.4335911 -0.09905295
## C8.A130.02TCGA 1.7132922 -0.1890318 0.04055904 -0.6613329 1.71657203
## C8.A138.03TCGA 0.6951399 4.4912503 0.54519719 -0.7860015 -0.25937343
## NP_001017395 NP_060287 NP_258441 NP_001243804 NP_542381
## A0.A12D.01TCGA -0.05442786 0.9170707 0.07510527 -0.49636445 -1.70407047
## C8.A131.01TCGA 0.16097501 -0.8267079 -4.91101979 2.92162981 -0.74979819
## A0.A12B.01TCGA -1.96242077 -1.7268455 3.39760971 -3.28164233 0.26584423
## BH.A18Q.02TCGA -0.55402488 -2.4307841 -1.53087639 -0.05221761 0.54660575
## C8.A130.02TCGA 0.68341334 0.7588503 -0.49733945 0.48662121 -0.32022653
## C8.A138.03TCGA 2.29696685 3.5733084 -1.39308657 -1.17000108 -0.08383075
## NP_000018 NP_001135764 NP_005496 NP_008924 NP_776171
## A0.A12D.01TCGA -0.4506469 0.62371621 -2.477459 -1.7421685 -0.04299847
## C8.A131.01TCGA 0.7357741 0.09216104 -3.263532 -2.0653595 0.09620892
## A0.A12B.01TCGA -0.2856791 -0.57945530 -1.075549 -0.6625995 -2.48622933
## BH.A18Q.02TCGA -0.5506795 -0.21948670 -7.458893 -0.9320530 0.98150539
## C8.A130.02TCGA 0.7063724 -0.58917578 -4.426622 1.7034526 1.31970790
## C8.A138.03TCGA 0.4830258 0.87068257 NA -1.9014289 0.95113963
## NP_061872 NP_001092871 NP_076972 NP_004519 NP_689531
## A0.A12D.01TCGA 3.0429380 NA 0.1627306 1.93809658 1.30186028
## C8.A131.01TCGA 0.4807576 NA -2.1948917 -2.52681792 0.80863596
## A0.A12B.01TCGA -0.5434261 NA -1.1032639 -1.56887148 -1.44138368
## BH.A18Q.02TCGA -0.1358522 -1.20302896 0.0581800 -0.06225375 0.08828843
## C8.A130.02TCGA 0.3062284 -0.03487794 0.5161400 -2.39310365 0.19799275
## C8.A138.03TCGA NA 1.20348224 -0.2337735 6.67090529 1.66428177
## NP_066273 NP_004756 NP_001698 NP_036590 NP_115685
## A0.A12D.01TCGA -0.5877996 -0.02394948 0.35703034 -0.29825495 0.3951283
## C8.A131.01TCGA -0.1790470 -0.48263805 -0.38144103 0.03953859 -1.4096028
## A0.A12B.01TCGA -1.2141228 0.17715706 -1.27232377 -0.46582488 -1.7767320
## BH.A18Q.02TCGA -0.2562859 0.28901134 -0.55402488 -0.48711725 -1.9992298
## C8.A130.02TCGA 0.4702219 0.97204180 -0.05455715 1.77560968 -1.0450776
## C8.A138.03TCGA 1.1961680 -0.03994508 -1.19194392 -0.96520129 -0.1898878
## NP_001963 NP_001017921 NP_689695 NP_060281 NP_001243725
## A0.A12D.01TCGA -1.555488 -1.5554883 1.03517441 -0.79352871 -1.52881975
## C8.A131.01TCGA 3.549051 -0.1830949 0.52123642 0.04763435 0.18931018

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | AO.A12B.01TCGA | -1.300039 | 1.2608033 | -0.03347495 | 0.85339669 | -0.04178937 |
| ## | BH.A18Q.02TCGA | -7.201299 | -1.0023061 | -2.34045880 | 0.26224829 | -4.36106944 |
| ## | C8.A130.02TCGA | -7.080036 | 0.6276556 | -0.45470115 | 0.81788797 | 0.45054265 |
| ## | C8.A138.03TCGA | -6.856852 | 1.5106819 | -0.43125897 | -0.89205851 | 1.80691020 |
| ## | | NP_998760 | NP_060836 | NP_659473 | NP_001032402 | NP_079341 |
| ## | AO.A12D.01TCGA | 0.3760793 | -0.5649408 | -0.3896901 | NA | NA |
| ## | C8.A131.01TCGA | -0.6202660 | 0.9260245 | -2.0086892 | NA | NA |
| ## | AO.A12B.01TCGA | 1.6709815 | 0.8921973 | -3.2594705 | NA | NA |
| ## | BH.A18Q.02TCGA | 0.6938026 | -1.6881093 | -2.0259929 | -0.2161413 | -1.9089045 |
| ## | C8.A130.02TCGA | 1.1360352 | 0.2471908 | -0.4907797 | -0.8810841 | 0.2012726 |
| ## | C8.A138.03TCGA | 0.1904547 | -0.7274872 | 1.2912536 | -0.3434876 | -0.5629160 |
| ## | | NP_002844 | NP_115613 | NP_008840 | NP_002882 | NP_002405 |
| ## | AO.A12D.01TCGA | -0.4239783 | -0.2258688 | NA | -0.7059034 | -0.05442786 |
| ## | C8.A131.01TCGA | -0.7578940 | -0.5109732 | NA | 2.2820646 | 3.69882295 |
| ## | AO.A12B.01TCGA | 0.5790208 | -1.1697792 | NA | -1.7795035 | -1.42198336 |
| ## | BH.A18Q.02TCGA | 0.6101680 | NA | 0.3492282 | -5.3044671 | -4.16703729 |
| ## | C8.A130.02TCGA | 0.6309354 | NA | -1.0155587 | 1.1229158 | 0.28654921 |
| ## | C8.A138.03TCGA | 0.7024542 | 0.3623402 | 0.3294260 | -1.6015435 | 2.22382406 |
| ## | | NP_116307 | NP_001177655 | NP_808880 | NP_000981 | NP_059973 |
| ## | AO.A12D.01TCGA | -0.1191944 | -0.1191944 | -0.797338506 | 0.04081709 | -1.3611886 |
| ## | C8.A131.01TCGA | -0.6890800 | -0.6890800 | -0.470494409 | 2.44397986 | -0.8631389 |
| ## | AO.A12B.01TCGA | 3.1786633 | 3.1786633 | 1.895470867 | -0.60162710 | -0.7984017 |
| ## | BH.A18Q.02TCGA | -1.8118885 | -1.9724668 | -0.002036877 | 0.05148923 | -8.2818570 |
| ## | C8.A130.02TCGA | 0.1553545 | 0.2275116 | -0.986039911 | 1.20819236 | 0.2734297 |
| ## | C8.A138.03TCGA | -1.5905721 | -1.5905721 | -2.691370976 | -1.31628665 | 0.7829112 |
| ## | | NP_036593 | NP_001077430 | NP_085053 | NP_073737 | NP_060899 |
| ## | AO.A12D.01TCGA | -1.15164973 | 0.3684597 | 0.5475202 | 1.4352032 | 1.5304482 |
| ## | C8.A131.01TCGA | -1.25173543 | -0.7214630 | 1.9906172 | 0.2864593 | 0.6143377 |
| ## | AO.A12B.01TCGA | -0.79285879 | 0.2824731 | -1.0034908 | -1.5245279 | -1.1060353 |
| ## | BH.A18Q.02TCGA | -2.20329814 | -1.3201173 | 0.8476901 | -2.1196636 | -7.8034674 |
| ## | C8.A130.02TCGA | 1.70017269 | 0.4669420 | -0.4809401 | 1.1261956 | 0.7326114 |
| ## | C8.A138.03TCGA | -0.02165938 | 0.1831404 | 0.2526261 | 2.0629099 | 2.7029093 |
| ## | | NP_001138 | NP_004086 | NP_004246 | NP_733832 | NP_064539 |
| ## | AO.A12D.01TCGA | NA | -0.32492353 | -0.2944451 | 0.87516289 | 2.5133761 |
| ## | C8.A131.01TCGA | NA | 0.28645932 | -0.5109732 | 0.48075761 | 0.7519656 |
| ## | AO.A12B.01TCGA | NA | 0.35453139 | -0.9674616 | -0.23024960 | -1.1143498 |
| ## | BH.A18Q.02TCGA | NA | -1.08928598 | 1.7041079 | 0.47969811 | -0.2395590 |
| ## | C8.A130.02TCGA | NA | 0.09959668 | 0.6342153 | -0.04799742 | -0.3366259 |
| ## | C8.A138.03TCGA | NA | -1.08588688 | 0.2526261 | 0.13925474 | 0.5086258 |
| ## | | NP_115865 | NP_945341 | NP_036545 | NP_065833 | NP_891847 |
| ## | AO.A12D.01TCGA | 1.04279401 | -1.57453733 | -3.1327448 | -0.8544855 | NA |
| ## | C8.A131.01TCGA | -0.89147403 | -0.03737115 | 1.8408456 | 0.5009970 | NA |
| ## | AO.A12B.01TCGA | 2.70474124 | 3.91310385 | 2.2031045 | 0.2852445 | NA |
| ## | BH.A18Q.02TCGA | 0.17526836 | -0.31315739 | -2.5211094 | -2.0594467 | -1.353571 |
| ## | C8.A130.02TCGA | 1.16555407 | -0.88436398 | -3.0523573 | -1.8683246 | -0.359585 |
| ## | C8.A138.03TCGA | -0.06920219 | -1.90508606 | -0.5482874 | -1.3126295 | 1.258339 |
| ## | | NP_001073986 | NP_001121 | NP_113612 | NP_653229 | NP_001166994 |
| ## | AO.A12D.01TCGA | NA | -0.7135229 | NA | 1.1532782 | 2.128586 |
| ## | C8.A131.01TCGA | NA | -1.1100596 | NA | 0.6669601 | 2.172772 |
| ## | AO.A12B.01TCGA | NA | 1.4963786 | NA | -0.3438800 | -0.659828 |
| ## | BH.A18Q.02TCGA | -1.6881093 | -1.9323222 | -1.0926314 | 0.9212885 | -2.005921 |
| ## | C8.A130.02TCGA | 0.9851613 | -0.6711725 | -0.5694966 | -1.0680366 | 1.090117 |
| ## | C8.A138.03TCGA | 0.4866830 | -0.3398305 | 0.5525115 | -2.4243998 | 1.152282 |
| ## | | NP_009075 | NP_005323 | NP_006423 | NP_004538 | NP_079414 |


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## A0.A12D.01TCGA -2.7898629 -4.675713 -0.2068198 0.38750872 0.81801592
## C8.A131.01TCGA -0.8469473 4.018606 4.5448301 0.13668773 1.55749394
## A0.A12B.01TCGA -1.6880449 -1.857105 -0.6570566 -0.97023312 -0.04456085
## BH.A18Q.02TCGA 0.6636941 -4.889640 1.1822283 0.60013186 -1.52084024
## C8.A130.02TCGA 1.3131482 -5.440102 0.9786015 -0.00535912 1.53617925
## C8.A138.03TCGA 1.8581101 -3.152171 1.2217679 -0.46783036 NA
## NP_665803 NP_001018082 NP_110446 NP_000223 NP_001183955
## A0.A12D.01TCGA 1.6523617 NA 0.1208229 0.8713531 0.9399295
## C8.A131.01TCGA 1.4320096 NA 2.0513354 0.9341203 0.3512254
## A0.A12B.01TCGA -0.2413355 NA 0.1965574 -1.0866350 0.1217276
## BH.A18Q.02TCGA -1.0759045 -2.959354 0.6938026 -0.5841333 -1.5777117
## C8.A130.02TCGA -0.7269303 -0.759729 -0.5432576 0.1258356 1.6542545
## C8.A138.03TCGA NA 0.278226 -0.2191449 1.4448534 -0.2520592
## NP_001183956 NP_116028 NP_001001551 NP_001014 NP_001107573
## A0.A12D.01TCGA 1.0237450 1.0237450 -0.6297074 0.19701882 0.4141773
## C8.A131.01TCGA 1.2619986 1.2619986 -0.5069253 0.08406528 0.8167317
## A0.A12B.01TCGA 0.2686157 0.2686157 1.1277726 0.40164645 -3.1957266
## BH.A18Q.02TCGA -1.5777117 -0.6711132 -1.0825952 0.89452546 1.0183046
## C8.A130.02TCGA 1.6542545 1.6837733 -1.4944196 1.14259498 1.1852333
## C8.A138.03TCGA 0.2672546 0.2672546 -0.1716021 0.14656902 -0.7128587
## NP_005204 NP_612431 NP_852127 NP_056177 NP_001185838
## A0.A12D.01TCGA 1.7590361 0.3684597 -1.4640532 -0.33635293 -0.3249235
## C8.A131.01TCGA 1.8691808 2.5451769 -2.3851421 -0.03737115 -0.1588076
## A0.A12B.01TCGA -3.5199891 -0.6570566 3.3920668 1.94812887 -0.3189368
## BH.A18Q.02TCGA 0.8242724 0.1685776 -0.4034827 -0.07228990 0.6268949
## C8.A130.02TCGA -1.6518533 0.7457309 0.2701499 0.07007786 0.2176720
## C8.A138.03TCGA 2.1470241 0.2526261 -0.8554871 1.54725332 -0.3800590
## NP_073593 NP_060596 NP_991330 NP_002088 NP_055067
## A0.A12D.01TCGA 0.07891507 1.9076182 -0.9459206 NA 3.7629899
## C8.A131.01TCGA -0.85909098 0.8248275 -0.9157613 NA 0.2216932
## A0.A12B.01TCGA -0.47691077 -0.7374293 1.3356331 NA -2.4529716
## BH.A18Q.02TCGA 0.17192298 0.3458828 0.8711078 -3.494616 -1.7115270
## C8.A130.02TCGA -0.38910378 -1.6518533 0.9064444 3.468022 -1.6452936
## C8.A138.03TCGA -0.42394469 0.2635975 -1.2833724 2.373767 1.3424535
## NP_001253 NP_291028 NP_057578 NP_001242954 NP_001230679
## A0.A12D.01TCGA 0.6770534 0.05986608 -0.9954480 -7.09112507 0.7646787
## C8.A131.01TCGA 0.5252843 -0.70931938 2.8325764 -3.28377165 -2.4175251
## A0.A12B.01TCGA 2.1698468 -0.07781853 0.3046449 -4.24611524 0.2298151
## BH.A18Q.02TCGA 0.3157744 -1.31342657 -0.6711132 1.49669420 -1.0558322
## C8.A130.02TCGA -0.5465375 0.87036587 0.4177440 0.05695839 -0.5727764
## C8.A138.03TCGA 0.7207399 0.43548301 0.3915973 -0.10577359 0.5415400
## NP_116147 NP_001329 NP_001193992 NP_056003 NP_055115
## A0.A12D.01TCGA -0.83543649 3.050558 3.050558 -1.9593269 2.9515029
## C8.A131.01TCGA 0.58195463 2.561368 2.561368 -2.4863391 0.4078958
## A0.A12B.01TCGA 0.26030128 -1.582729 -1.582729 -1.4053545 -3.8581089
## BH.A18Q.02TCGA 0.72056560 1.965048 1.965048 -1.5910933 -0.1927236
## C8.A130.02TCGA 1.83464731 -3.514819 -3.514819 -0.4481414 -0.4153427
## C8.A138.03TCGA -0.05457364 NA NA 0.8889683 1.3717106
## NP_001258848 NP_112577 NP_689450 NP_004393 NP_000220
## A0.A12D.01TCGA 2.9629323 -0.42016849 -0.79352871 -2.0202837 -0.01252008
## C8.A131.01TCGA 0.5698110 0.12454409 -0.79027700 -1.6362841 2.00680872
## A0.A12B.01TCGA -2.9019504 0.06075516 1.46866389 -0.1748201 -0.65151362
## BH.A18Q.02TCGA -0.2261775 0.97146924 -0.24290437 -3.1768043 -1.35022577
## C8.A130.02TCGA -0.7794082 1.09667682 -0.06111689 1.4640221 0.49318095

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A138.03TCGA | 1.3717106 | 0.27456889 | -1.07491546 | -2.1025716 | -1.40771513 |
| ## | | NP_005215 | NP_001017363 | NP_003024 | NP_008858 | NP_001106878 |
| ## | A0.A12D.01TCGA | NA | NA | 3.1915202 | 5.8240907 | 0.45227529 |
| ## | C8.A131.01TCGA | NA | NA | 0.9381682 | 1.7517922 | 0.13263985 |
| ## | A0.A12B.01TCGA | NA | NA | -1.0866350 | -0.9037177 | 0.07461253 |
| ## | BH.A18Q.02TCGA | -1.8988684 | 0.5666780 | -3.6284308 | -2.4475110 | 2.14235290 |
| ## | C8.A130.02TCGA | -0.1070351 | -0.5137388 | -0.9532412 | 0.1094363 | 1.84776679 |
| ## | C8.A138.03TCGA | 0.2526261 | 0.2526261 | 0.7207399 | -0.5080589 | 0.07708337 |
| ## | | NP_057158 | NP_006224 | NP_068805 | NP_001019 | NP_115548 |
| ## | A0.A12D.01TCGA | -0.2334884 | -1.17069873 | -1.29642207 | 0.6884828 | 0.3189324 |
| ## | C8.A131.01TCGA | 0.8774499 | -0.70122362 | 0.48885337 | 0.2176453 | 2.1727718 |
| ## | A0.A12B.01TCGA | 0.4404471 | 0.39887497 | 1.27466072 | -0.2219352 | -1.2141228 |
| ## | BH.A18Q.02TCGA | -0.8785269 | 0.24217600 | -0.08567142 | 0.5031158 | -0.3733743 |
| ## | C8.A130.02TCGA | 0.2603103 | 0.68013347 | -0.59901538 | 1.5394591 | -0.3858239 |
| ## | C8.A138.03TCGA | -1.5320579 | 0.04051198 | -1.03102980 | 0.3257688 | 0.1648547 |
| ## | | NP_001243063 | NP_002479 | NP_079157 | NP_005032 | NP_057483 |
| ## | A0.A12D.01TCGA | -1.48310218 | -0.5839898 | 3.9306210 | NA | -0.5039840 |
| ## | C8.A131.01TCGA | 2.48041079 | -0.3166749 | -2.5065785 | NA | -0.6040745 |
| ## | A0.A12B.01TCGA | -2.23125374 | 1.0640287 | -1.1420645 | NA | 0.2492154 |
| ## | BH.A18Q.02TCGA | -1.65465552 | -1.1963382 | -0.3633381 | 5.1498512 | -0.8283462 |
| ## | C8.A130.02TCGA | 0.26687000 | -0.4481414 | 0.1389551 | -0.7039712 | 1.2442709 |
| ## | C8.A138.03TCGA | -0.04725936 | -1.7514862 | -0.2886305 | -1.0273727 | -0.1606307 |
| ## | | NP_055073 | NP_004313 | NP_064585 | NP_071358 | NP_001073863 |
| ## | A0.A12D.01TCGA | 0.9094511 | -1.86027219 | -2.7136670 | 1.17613694 | NA |
| ## | C8.A131.01TCGA | 0.8693542 | -1.62414047 | -1.3326930 | -0.05356267 | NA |
| ## | A0.A12B.01TCGA | -0.2080778 | 1.99801540 | -3.3315289 | -2.12870920 | NA |
| ## | BH.A18Q.02TCGA | -2.7218323 | -0.97888838 | 2.2460597 | -3.69533845 | -1.152848 |
| ## | C8.A130.02TCGA | -0.5924556 | 0.06023826 | -0.7105309 | -1.81912660 | 2.572618 |
| ## | C8.A138.03TCGA | -3.2106847 | 0.72805414 | -0.7823443 | 1.01331100 | -1.393087 |
| ## | | NP_734465 | NP_001193541 | NP_775901 | NP_054754 | NP_003769 |
| ## | A0.A12D.01TCGA | 1.3437681 | 1.7171283 | -1.1516497 | 0.07891507 | NA |
| ## | C8.A131.01TCGA | 0.2540763 | 4.8484211 | 0.8450669 | -0.84694734 | NA |
| ## | A0.A12B.01TCGA | -1.2058084 | -0.9508328 | -4.1019986 | 0.94762680 | NA |
| ## | BH.A18Q.02TCGA | 0.1551961 | -0.8551093 | -2.4240933 | -0.71460321 | -4.387832 |
| ## | C8.A130.02TCGA | -0.2972674 | 1.1393151 | -1.0844360 | 0.78508928 | -1.474740 |
| ## | C8.A138.03TCGA | 1.3790249 | -0.6433730 | 0.1136548 | -2.15377152 | -5.843825 |
| ## | | NP_997239 | NP_068765 | NP_001177875 | NP_001020128 | NP_060945 |
| ## | A0.A12D.01TCGA | 0.81420612 | NA | NA | -0.5725604 | 3.51916282 |
| ## | C8.A131.01TCGA | 0.69124742 | NA | NA | -2.0329764 | -0.49882958 |
| ## | A0.A12B.01TCGA | -1.10049239 | NA | NA | 0.8478537 | -1.17532219 |
| ## | BH.A18Q.02TCGA | 0.26559367 | -0.8618000 | -1.085941 | -0.1090891 | -0.07563528 |
| ## | C8.A130.02TCGA | -0.09719545 | 1.9494427 | -0.457981 | 0.8014886 | -0.94668148 |
| ## | C8.A138.03TCGA | 1.05719667 | -0.9652013 | 1.064511 | 1.6350247 | 0.45011157 |
| ## | | NP_060134 | NP_009216 | NP_009209 | NP_113600 | NP_065827 |
| ## | A0.A12D.01TCGA | NA | -0.3820705 | 1.00850582 | 0.7799179 | -1.4602434 |
| ## | C8.A131.01TCGA | NA | 0.7843487 | 1.11222703 | 1.0272215 | -2.5794404 |
| ## | A0.A12B.01TCGA | NA | -2.1869102 | -1.79613234 | -1.5550141 | 1.3273187 |
| ## | BH.A18Q.02TCGA | NA | 2.6040156 | 0.53322422 | 0.3592644 | 0.1250876 |
| ## | C8.A130.02TCGA | NA | -0.2251103 | 0.06679799 | -0.2152707 | 1.2081924 |
| ## | C8.A138.03TCGA | 0.2306832 | -0.3837162 | 0.66953992 | 0.6402828 | -0.2703448 |
| ## | | NP_001020280 | NP_001193570 | NP_443158 | NP_945187 | NP_001035362 |
| ## | A0.A12D.01TCGA | -0.06966706 | -0.1992002 | -5.20146518 | 0.4294165 | 1.4923502 |
| ## | C8.A131.01TCGA | -0.09404148 | -1.2153045 | 0.18121442 | 1.9218032 | 0.9745991 |
| ## | A0.A12B.01TCGA | -3.47010256 | 1.7264110 | -3.86919479 | -1.2113513 | -1.1753222 |

```

## BH.A18Q.02TCGA -4.33430639 -0.5841333 NA 0.4796981 -8.9743510
## C8.A130.02TCGA -0.17263243 2.2380712 NA 0.3259076 -0.8286062
## C8.A138.03TCGA -1.09685830 -1.5320579 -0.08383075 1.0279396 0.5963971
## NP_005697 NP_005195 NP_001302 NP_115605 NP_056382
## AO.A12D.01TCGA 0.02938770 -1.1973673 -3.17084276 -2.6184220 5.134517
## C8.A131.01TCGA -0.03332327 -1.4743689 -6.50993276 1.1972325 -1.025054
## AO.A12B.01TCGA 1.60446611 -0.4658249 0.01918305 -0.4381101 -2.253426
## BH.A18Q.02TCGA -0.10574371 0.2254491 -4.81604137 NA -7.070829
## C8.A130.02TCGA -0.51373879 -1.3402657 -2.03559795 NA 2.762850
## C8.A138.03TCGA 0.30748314 -0.8701157 5.76759191 -1.6783434 4.260851
## NP_001905 NP_001139256 NP_001139255 NP_061108 NP_064628
## AO.A12D.01TCGA 1.3170995 0.1932090 -0.1153846 -0.53827223 0.20082861
## C8.A131.01TCGA -1.6079489 0.9503118 1.0555567 -0.02522751 -0.07380208
## AO.A12B.01TCGA -0.2385640 0.9476268 0.7009656 -1.52729937 -0.53788320
## BH.A18Q.02TCGA -3.7187561 -0.7413663 -0.4971534 0.47969811 0.94805157
## C8.A130.02TCGA -0.1004753 0.1487947 0.4341433 -0.57277643 0.22751157
## C8.A138.03TCGA -1.0822297 -0.7896586 -1.0420012 0.82313976 -0.41297328
## NP_054887 NP_003185 NP_950248 NP_055365 NP_068834
## AO.A12D.01TCGA -0.38588030 -0.82400709 -0.2982549 1.4885404 NA
## C8.A131.01TCGA 0.24193263 -0.94814436 -2.1220298 0.5333801 NA
## AO.A12B.01TCGA -0.29953644 0.31850223 0.7092800 -2.0760512 NA
## BH.A18Q.02TCGA -0.68449478 -0.07563528 0.5399150 3.6009394 -1.691455
## C8.A130.02TCGA 1.20163262 1.03435931 1.4738617 1.2639501 1.903525
## C8.A138.03TCGA 0.09171193 0.98405389 0.6585685 -0.5044018 NA
## NP_002153 NP_031376 NP_115982 NP_001139647 NP_115746
## AO.A12D.01TCGA 0.8561139 -0.2677766 -2.4279321 0.250356 0.9437393
## C8.A131.01TCGA 1.6748825 -0.0697542 -2.4175251 1.318669 1.3834351
## AO.A12B.01TCGA -2.3421127 -0.7928588 4.1154214 -0.296765 -0.5683694
## BH.A18Q.02TCGA 2.9552807 2.2126059 0.7908186 -1.356917 -1.1227398
## C8.A130.02TCGA -0.7859679 -3.6624129 -0.8482854 1.532899 1.9756817
## C8.A138.03TCGA NA 0.9218825 0.4830258 -1.663715 -1.6637149
## NP_002419 NP_060164 NP_612207 NP_001092287 NP_919257
## AO.A12D.01TCGA 0.2808344 1.073272 1.2028055 -0.6335172 -0.63351718
## C8.A131.01TCGA 0.8572105 -1.628188 0.3107466 -2.0127370 -2.01273704
## AO.A12B.01TCGA -0.8621456 -1.288953 -0.7873158 -0.6709139 -0.67091394
## BH.A18Q.02TCGA -0.5841333 -2.521109 -0.4001373 0.2823206 0.28232058
## C8.A130.02TCGA 0.2537505 -2.094636 0.8047685 -0.5858959 -0.58589591
## C8.A138.03TCGA -0.6580016 2.790681 0.2087404 -1.1297726 -0.02165938
## NP_001186088 NP_068778 NP_525127 NP_001137291 NP_037504
## AO.A12D.01TCGA -5.586255 0.06367588 0.7913473 4.5782867 1.8809496
## C8.A131.01TCGA -1.777960 -0.43406348 0.3066987 1.5777333 -3.5064051
## AO.A12B.01TCGA -2.472372 -0.82611648 -3.7500214 5.7117904 -4.5232626
## BH.A18Q.02TCGA -1.213065 -0.71125783 -2.8656838 -0.6175871 0.3258105
## C8.A130.02TCGA -1.586256 0.72277177 -0.6744524 -2.7342100 -0.3530252
## C8.A138.03TCGA -1.499144 0.67319706 2.6224522 0.6366257 2.6626808
## NP_001178251 NP_071914 NP_002026 NP_542763 NP_116205
## AO.A12D.01TCGA 3.1572320 1.8809496 0.696102375 -0.3211137 3.2105692
## C8.A131.01TCGA -4.2755025 -5.0405520 -0.000940222 0.3957521 2.8082891
## AO.A12B.01TCGA -4.5537488 -4.5842351 -1.607672113 0.1494423 0.6843368
## BH.A18Q.02TCGA 0.3492282 0.4696620 0.105015343 -1.2799727 -6.9771581
## C8.A130.02TCGA -0.2611889 0.4964608 -1.455061159 0.5882971 0.6407750
## C8.A138.03TCGA 2.6626808 1.7374246 0.603711412 -0.3544590 1.3826821
## NP_060740 NP_620154 NP_055724 NP_057211 NP_005006 NP_001926
## AO.A12D.01TCGA -0.1458630 4.4335144 -2.1269581 NA 2.9324539 NA

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## C8.A131.01TCGA -0.4543029 0.2135975 -1.5715180 NA -1.1262511 NA
## A0.A12B.01TCGA -0.1831345 -1.2224372 -1.6132151 NA -1.0367485 NA
## BH.A18Q.02TCGA -0.3733743 -4.4413586 -0.8584546 NA -0.6343140 0.1786137
## C8.A130.02TCGA 1.4640221 -1.0253983 0.4243037 NA -0.5170187 1.1688339
## C8.A138.03TCGA -0.7933157 4.4034790 NA NA 0.8377683 0.8085112
## NP_699162 NP_060436 NP_079030 NP_775758 NP_004771
## A0.A12D.01TCGA -1.4945316 0.8789727 0.4294165 -1.5250100 -2.9994018
## C8.A131.01TCGA -1.6322362 -1.5593744 -0.5271647 1.0919876 -2.9316060
## A0.A12B.01TCGA 0.2492154 2.9846601 -0.0279320 0.3268167 -0.8399738
## BH.A18Q.02TCGA -1.2164105 -3.2938926 -4.7524791 -3.4511256 -1.8888322
## C8.A130.02TCGA -1.6584130 0.4407030 0.4472628 -1.0253983 0.2045525
## C8.A138.03TCGA -0.2849734 -0.5556017 1.2363965 -0.2410877 0.1758261
## NP_005971 NP_938051 NP_938052 NP_777588 NP_001351
## A0.A12D.01TCGA 3.1496124 -0.7249523 -0.7097131 -0.91544225 5.6678890
## C8.A131.01TCGA -0.8752825 -1.0371977 -1.0371977 0.63457708 0.7924444
## A0.A12B.01TCGA -4.6562934 0.4487615 0.4127323 0.07461253 -4.2488867
## BH.A18Q.02TCGA -13.3735282 -1.5141495 -1.8721053 -0.37337426 1.1721922
## C8.A130.02TCGA -6.9422818 -1.3566651 -1.4124229 -0.34318561 1.0901171
## C8.A138.03TCGA -0.2520592 1.2546822 1.4229106 0.31479742 2.9515948
## NP_076419 NP_115662 NP_001703 NP_004354 NP_001807 NP_057513
## A0.A12D.01TCGA -1.681212 -0.9421108 3.107705 2.8943559 NA 0.9780274
## C8.A131.01TCGA -2.316328 -0.1345203 1.650595 -1.4541295 10.41831 3.1402154
## A0.A12B.01TCGA 6.460088 -0.6127130 -1.108807 0.4155038 -1.28341 -1.6464727
## BH.A18Q.02TCGA 5.082944 -0.1090891 2.667578 NA NA -0.8985992
## C8.A130.02TCGA -1.773208 0.5095803 -2.222550 NA NA -0.0184786
## C8.A138.03TCGA -4.636969 0.4830258 -1.963600 6.5575340 NA 1.8910244
## NP_647475 NP_064511 NP_001129245 NP_065764 NP_060567
## A0.A12D.01TCGA NA 0.4484655 3.9001426 NA -0.53827223
## C8.A131.01TCGA NA 0.5860025 -0.1911906 NA -0.37334527
## A0.A12B.01TCGA NA 1.2968325 1.8178696 NA -2.27005437
## BH.A18Q.02TCGA -2.347150 0.5399150 -1.4907318 -3.143350 0.57336880
## C8.A130.02TCGA -1.228750 -1.0089990 0.4144641 3.002281 -0.06439676
## C8.A138.03TCGA -4.095712 NA 1.4119392 1.419253 0.42085445
## NP_003789 NP_071398 NP_001228 NP_006214 NP_001008708
## A0.A12D.01TCGA -2.2336324 3.0734164 -1.1745085 -0.8125777 -1.3535690
## C8.A131.01TCGA 1.2296156 -0.5433563 1.5170151 -1.8265345 -1.1505384
## A0.A12B.01TCGA -1.2501520 -1.9956785 -1.1143498 -0.9646902 -0.5101685
## BH.A18Q.02TCGA 2.7478670 -0.1224706 0.3358467 -1.5208402 -0.6577317
## C8.A130.02TCGA -0.4907797 -0.4055031 0.6735737 0.7096523 -0.1037552
## C8.A138.03TCGA -2.2598286 1.5326248 NA -0.1057736 -3.2033705
## NP_056254 NP_001248760 NP_001366 NP_976033 NP_036527
## A0.A12D.01TCGA 0.5284713 2.2009727 1.1151802 -0.5535114 -0.06585726
## C8.A131.01TCGA -0.0899936 2.3063519 0.6548165 -0.5838351 0.48075761
## A0.A12B.01TCGA 2.0395875 -1.4469266 3.2728934 -1.5744144 -3.05438148
## BH.A18Q.02TCGA 0.7105295 -3.2236396 1.3595335 0.7674010 0.97816001
## C8.A130.02TCGA -0.8056471 0.2767096 1.6640941 0.7916490 1.35250659
## C8.A138.03TCGA 0.8999397 NA -1.3528580 -0.3983447 -0.64337304
## NP_680544 NP_055022 NP_061331 NP_004498 NP_006840
## A0.A12D.01TCGA 0.1246326 NA -0.27158636 -0.54208203 -4.8166756
## C8.A131.01TCGA 0.1366877 NA 0.59409828 -0.25595672 -2.5389616
## A0.A12B.01TCGA 1.1333156 NA -0.56559793 0.43213266 -5.6318522
## BH.A18Q.02TCGA 0.2522121 3.1493128 -0.02210917 0.46297120 -14.1128576
## C8.A130.02TCGA 1.3000287 0.2701499 -0.44486155 1.07371774 -0.5006193
## C8.A138.03TCGA 0.4866830 NA NA 0.00028345 1.1413109

```

| | | | | | | |
|----|----------------|-------------|--------------|-------------|-------------|--------------|
| ## | | NP_060441 | NP_003722 | NP_006005 | NP_958834 | NP_443125 |
| ## | AO.A12D.01TCGA | 0.3265520 | 0.04843669 | 0.1970188 | 0.8637335 | 2.4409899 |
| ## | C8.A131.01TCGA | -1.0088626 | 0.25407628 | 0.7843487 | -1.5755659 | 0.9826948 |
| ## | AO.A12B.01TCGA | 0.7480807 | -0.32447971 | -0.3605089 | -4.9195834 | -1.0450629 |
| ## | BH.A18Q.02TCGA | -0.5573703 | -0.70791245 | -0.6878402 | -1.1561936 | 2.1858429 |
| ## | C8.A130.02TCGA | 0.3554265 | 2.56277820 | 0.4407030 | 1.7428110 | 1.3000287 |
| ## | C8.A138.03TCGA | -1.0054298 | -0.17525923 | 2.1470241 | -2.1318287 | 0.8414255 |
| ## | | NP_001691 | NP_060062 | NP_640335 | NP_003124 | NP_955452 |
| ## | AO.A12D.01TCGA | -0.7668601 | -1.212606506 | -1.2697535 | -2.5841338 | 0.7342004 |
| ## | C8.A131.01TCGA | 9.7261177 | -0.927904954 | -0.4826381 | -0.7862291 | 0.9300724 |
| ## | AO.A12B.01TCGA | -0.5933127 | 0.002554209 | 1.2635748 | -2.3670560 | -0.4519675 |
| ## | BH.A18Q.02TCGA | -7.8670296 | -1.591093261 | 1.1922644 | 0.6168588 | -6.3482263 |
| ## | C8.A130.02TCGA | -6.5454176 | 0.968761934 | -0.2021513 | 1.4673020 | -0.5629368 |
| ## | C8.A138.03TCGA | -3.1741133 | -0.475144642 | -2.7498852 | -0.9688584 | 2.9589090 |
| ## | | NP_056052 | NP_940929 | NP_005309 | NP_060479 | NP_001167555 |
| ## | AO.A12D.01TCGA | 2.4409899 | 0.3532205 | -3.1860820 | -0.1115748 | -0.6678054 |
| ## | C8.A131.01TCGA | 0.4078958 | -0.6566969 | 5.4798906 | 0.5536195 | -0.0697542 |
| ## | AO.A12B.01TCGA | -5.1523872 | -0.6043986 | -2.2617399 | 0.2880160 | -0.8954033 |
| ## | BH.A18Q.02TCGA | 1.0383769 | 0.2856660 | -5.2777041 | 2.1022083 | -1.6580009 |
| ## | C8.A130.02TCGA | -0.4874998 | -0.3431856 | 0.5817374 | -1.9208025 | 0.5653381 |
| ## | C8.A138.03TCGA | 1.6679389 | 0.1502262 | -3.3971988 | -0.5592588 | 0.2891974 |
| ## | | NP_683515 | NP_064538 | NP_003984 | NP_001022 | NP_078913 |
| ## | AO.A12D.01TCGA | 0.27321478 | -0.1915806 | 1.50758938 | 0.84468450 | 1.739987 |
| ## | C8.A131.01TCGA | 0.43218304 | -0.3328665 | -0.09808936 | -0.94409648 | 1.128419 |
| ## | AO.A12B.01TCGA | -1.09494945 | 1.8982423 | -0.87600301 | 0.08292695 | -2.156424 |
| ## | BH.A18Q.02TCGA | 0.04814385 | -2.4475110 | -3.51134245 | 0.40275433 | NA |
| ## | C8.A130.02TCGA | 0.59813675 | -0.1037552 | -0.83516594 | 0.93924311 | NA |
| ## | C8.A138.03TCGA | 0.60736855 | 2.0629099 | -2.68771384 | 0.30382600 | NA |
| ## | | NP_699170 | NP_443096 | NP_004252 | NP_079335 | NP_938011 |
| ## | AO.A12D.01TCGA | -1.91741917 | 0.4179871 | 0.21225801 | NA | NA |
| ## | C8.A131.01TCGA | -0.03332327 | 0.2216932 | 0.40384787 | NA | NA |
| ## | AO.A12B.01TCGA | 0.02749747 | 0.8450823 | 1.00859923 | NA | NA |
| ## | BH.A18Q.02TCGA | -1.84868766 | 2.5404533 | -0.06894451 | -2.357186 | -2.792085 |
| ## | C8.A130.02TCGA | -0.13327401 | -1.3304261 | -0.67445237 | 3.054759 | 2.051119 |
| ## | C8.A138.03TCGA | -0.57754454 | -2.0952573 | 0.38794020 | 2.973538 | NA |
| ## | | NP_055063 | NP_644815 | NP_620145 | NP_001274 | NP_005253 |
| ## | AO.A12D.01TCGA | -0.6144682 | -0.1572924 | -1.1706987 | 0.55513984 | -0.4849351 |
| ## | C8.A131.01TCGA | 0.6831517 | -0.4947817 | -1.0210062 | 0.59409828 | -1.7496248 |
| ## | AO.A12B.01TCGA | 0.4044179 | 0.5956496 | -0.6321133 | 0.76748100 | 1.9869295 |
| ## | BH.A18Q.02TCGA | -0.5406434 | -1.2063743 | 3.6210117 | 0.01134465 | -1.2833181 |
| ## | C8.A130.02TCGA | 0.3619862 | -0.4448615 | 0.2865492 | 0.48334134 | 1.6673740 |
| ## | C8.A138.03TCGA | 0.1209690 | 0.1977690 | -0.5885160 | 0.88165399 | 1.3936535 |
| ## | | NP_689474 | NP_150281 | NP_006467 | NP_078929 | NP_004855 |
| ## | AO.A12D.01TCGA | 0.4408459 | 0.10558366 | -0.09633564 | 0.1132033 | -3.0946468 |
| ## | C8.A131.01TCGA | 1.2781902 | 0.84101901 | -0.51906898 | 0.2257411 | -1.6403320 |
| ## | AO.A12B.01TCGA | -0.5877697 | 0.05798369 | -0.70694310 | -0.8233450 | 0.8866544 |
| ## | BH.A18Q.02TCGA | -1.4740049 | -1.58440250 | -0.67780401 | -1.4606234 | -0.3231935 |
| ## | C8.A130.02TCGA | -0.2546292 | 3.77632968 | -1.27794824 | 0.3488667 | -0.4612609 |
| ## | C8.A138.03TCGA | -0.5921731 | -2.70599953 | 0.33674025 | 0.4098830 | -0.2264592 |
| ## | | NP_057415 | NP_777582 | NP_077274 | NP_005685 | NP_937862 |
| ## | AO.A12D.01TCGA | -0.02394948 | 1.83904182 | 3.4696354 | 0.8523041 | -0.5420820 |
| ## | C8.A131.01TCGA | -2.52681792 | 1.49677572 | 2.3792138 | -2.6603980 | 0.3795606 |
| ## | AO.A12B.01TCGA | 2.22250478 | 0.12727053 | -1.4192119 | -1.0367485 | 0.2381295 |
| ## | BH.A18Q.02TCGA | -0.13250677 | 1.03168612 | -2.7117962 | -3.6819569 | 0.4663166 |

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## C8.A130.02TCGA 0.88020547 -0.61541473 -0.7400497 2.5201399 1.1589943
## C8.A138.03TCGA NA -0.01434511 3.3136515 0.3367403 1.6789103
## NP_001147057 NP_006011 NP_001002755 NP_835361 NP_001035492
## A0.A12D.01TCGA 0.4865635 -0.6106584 -2.5003183 2.4219409 -3.2089407
## C8.A131.01TCGA 0.9705512 -0.1385682 -1.6322362 0.7438699 0.6993432
## A0.A12B.01TCGA 1.8982423 0.5901067 4.3787115 -0.4214813 0.9420839
## BH.A18Q.02TCGA -1.2966997 -0.3265389 -1.5676756 0.7975094 0.2689391
## C8.A130.02TCGA -0.4809401 0.6670140 0.3521466 -1.0745964 0.7162120
## C8.A138.03TCGA -0.7713729 0.7682827 -0.1898878 2.9223376 -3.8835983
## NP_055476 NP_054736 NP_056164 NP_079423 NP_653177
## A0.A12D.01TCGA NA -0.8430561 -1.22784570 -1.0678342 -2.5422261
## C8.A131.01TCGA NA 0.1204962 -1.95606671 -0.8631389 -0.8631389
## A0.A12B.01TCGA NA 1.0889720 1.08897197 0.7259089 1.1776591
## BH.A18Q.02TCGA 0.2856660 0.5900957 1.11532067 -1.9457037 -0.5306072
## C8.A130.02TCGA 1.7132922 -0.1529532 -0.04799742 -4.1707926 -2.7899678
## C8.A138.03TCGA 0.2233689 -0.9396013 NA 5.7054205 2.9406233
## NP_000568 NP_001098717 NP_079018 NP_694988 NP_001001330
## A0.A12D.01TCGA -0.97258922 -0.48493506 -0.48493506 1.03136461 2.6010015
## C8.A131.01TCGA 0.93412027 -2.17060440 -2.17060440 0.71553470 0.3350339
## A0.A12B.01TCGA -0.22470665 0.06906958 0.06906958 -0.12216212 -0.4076239
## BH.A18Q.02TCGA -1.88214148 0.01469003 0.08494305 -0.23286823 -1.6948001
## C8.A130.02TCGA -0.01519873 -0.36942456 1.49026108 -0.05783702 -0.3366259
## C8.A138.03TCGA -2.85959938 -1.47720077 -1.47720077 0.30016886 2.4944524
## NP_150628 NP_005493 NP_057210 NP_060795 NP_115716
## A0.A12D.01TCGA 0.5779986 0.3494107 -1.6050157 NA -3.22037014
## C8.A131.01TCGA 0.1366877 1.5008236 -1.0817244 NA -0.46239865
## A0.A12B.01TCGA -1.5328423 -2.1009945 -1.1614648 NA 2.03404456
## BH.A18Q.02TCGA -0.7547478 -2.8757199 -0.1291614 0.4295174 -0.94208918
## C8.A130.02TCGA 0.2471908 -0.3858239 0.1947129 -1.7863279 0.12583564
## C8.A138.03TCGA -1.0676012 3.4160514 -2.2196000 -0.6689730 -0.03994508
## NP_057137 NP_004076 NP_055558 NP_054737 NP_001191215
## A0.A12D.01TCGA -0.57637021 0.2008286 NA -0.08490625 2.02191214
## C8.A131.01TCGA 0.05573011 -0.2478610 NA -1.95201883 0.09620892
## A0.A12B.01TCGA 0.40164645 -0.5933127 NA 1.15548734 0.17438559
## BH.A18Q.02TCGA -0.02879993 -1.0123422 -1.2565551 0.16523222 0.23213985
## C8.A130.02TCGA -0.41862260 1.0441989 -0.7859679 1.27706961 -3.41642274
## C8.A138.03TCGA -1.23217245 -0.4422304 0.4574258 0.70611131 4.00485084
## NP_001018016 NP_001191217 NP_387467 NP_005612 NP_001014433
## A0.A12D.01TCGA 2.02191214 0.4446557 2.44860953 -2.946065 -0.1687218
## C8.A131.01TCGA 0.09620892 -1.4015070 -0.21952579 8.220306 -0.3288186
## A0.A12B.01TCGA 0.17438559 0.9282265 -1.42752631 -1.469098 2.1449035
## BH.A18Q.02TCGA 0.23213985 1.7375617 -0.04552684 -8.679957 0.8844893
## C8.A130.02TCGA -3.41642274 -3.6099350 0.06023826 -7.004599 0.2078324
## C8.A138.03TCGA 3.91342236 3.9061081 NA -11.556276 -1.2906867
## NP_059998 NP_219486 NP_775855 NP_001094288 NP_060403
## A0.A12D.01TCGA 0.3951283 0.4179871 -0.2106296 0.05224649 NA
## C8.A131.01TCGA -1.6362841 0.4605182 -1.5107998 0.93412027 NA
## A0.A12B.01TCGA 0.8339964 -1.1476074 0.7508522 -1.50789905 NA
## BH.A18Q.02TCGA -0.3265389 -0.3599927 -1.7717439 NA NA
## C8.A130.02TCGA 0.3783855 1.0573184 -3.3114669 NA NA
## C8.A138.03TCGA -0.9322870 -0.8628014 0.3440545 0.57811144 0.5781114
## NP_078851 NP_001120972 NP_001186802 NP_660205 NP_149101
## A0.A12D.01TCGA 0.7303906 -1.505961 3.5648804 0.3494107 0.10177386
## C8.A131.01TCGA -0.1992864 3.921456 0.6710080 0.3147945 -0.08594572

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| | | | | | | |
|----|----------------|--------------|-------------|--------------|--------------|--------------|
| ## | A0.A12B.01TCGA | -0.8482883 | -1.169779 | -1.3000385 | 2.8433149 | -0.61825594 |
| ## | BH.A18Q.02TCGA | 1.4833127 | 1.968393 | -0.9721976 | 0.7406379 | 0.40944509 |
| ## | C8.A130.02TCGA | -0.7826880 | 1.073718 | -1.0385178 | 1.0343593 | -0.24150968 |
| ## | C8.A138.03TCGA | 0.7426827 | -1.063944 | 0.6183400 | -0.1862306 | -0.29594482 |
| ## | | NP_001158087 | NP_060620 | NP_003855 | NP_004087 | NP_075060 |
| ## | A0.A12D.01TCGA | -0.1611022 | -0.28682555 | -1.2811829 | -0.06585726 | NA |
| ## | C8.A131.01TCGA | 0.1488314 | 0.12454409 | -0.6162181 | 0.22169323 | NA |
| ## | A0.A12B.01TCGA | -0.2496499 | -0.04178937 | 1.2081453 | -0.07504706 | NA |
| ## | BH.A18Q.02TCGA | -10.9748894 | 0.53322422 | 0.2589029 | -0.59082408 | 0.01134465 |
| ## | C8.A130.02TCGA | 1.3033086 | 0.48990108 | 1.8805655 | 0.09303695 | 1.36562607 |
| ## | C8.A138.03TCGA | NA | -1.02371552 | 0.1136548 | 0.51228293 | -0.24474488 |
| ## | | NP_059117 | NP_064619 | NP_000934 | NP_009031 | NP_073752 |
| ## | A0.A12D.01TCGA | -0.4773155 | -2.4698399 | 0.3417911 | 0.09034447 | 0.5513300 |
| ## | C8.A131.01TCGA | -0.5959787 | -0.2761961 | 1.4562969 | -0.84694734 | 0.2419326 |
| ## | A0.A12B.01TCGA | 1.5296363 | -0.1415624 | -0.4408816 | 0.06906958 | -1.3416106 |
| ## | BH.A18Q.02TCGA | 1.7944332 | 1.3929874 | -1.8252700 | -0.41017346 | -1.1026675 |
| ## | C8.A130.02TCGA | -0.8154867 | -0.1267143 | 0.2570304 | -1.11395480 | 0.4439829 |
| ## | C8.A138.03TCGA | 1.1266823 | 1.4667963 | 1.8105673 | 0.45376871 | 2.0702242 |
| ## | | NP_001017964 | NP_569735 | NP_000646 | NP_001241687 | NP_060823 |
| ## | A0.A12D.01TCGA | NA | -0.53446243 | 0.6122868 | NA | 2.1933531 |
| ## | C8.A131.01TCGA | NA | 0.74791775 | 0.8936415 | NA | 0.4767097 |
| ## | A0.A12B.01TCGA | NA | 0.06629811 | -1.0478344 | NA | -1.1420645 |
| ## | BH.A18Q.02TCGA | -0.1124345 | 0.63358568 | -0.4402819 | NA | -0.2429044 |
| ## | C8.A130.02TCGA | -0.3595850 | 0.81788797 | -0.3497454 | NA | 0.1192759 |
| ## | C8.A138.03TCGA | -0.8664585 | 1.10839662 | -2.0367431 | NA | 1.3241678 |
| ## | | NP_997215 | NP_787080 | NP_940986 | NP_079481 | NP_004540 |
| ## | A0.A12D.01TCGA | -0.1001454 | NA | 1.5266384 | -1.17069873 | 0.43322630 |
| ## | C8.A131.01TCGA | -1.1343469 | NA | 0.8248275 | -0.40168043 | -0.58788296 |
| ## | A0.A12B.01TCGA | 0.2353580 | NA | -1.9347060 | -0.13324801 | -2.07050825 |
| ## | BH.A18Q.02TCGA | -1.6513101 | -1.2431735 | 3.0924413 | -0.88521769 | 0.08494305 |
| ## | C8.A130.02TCGA | 0.3816654 | 0.7227718 | -1.4813001 | 0.02415970 | -0.12015453 |
| ## | C8.A138.03TCGA | -1.1773154 | -0.6580016 | 3.6171941 | -0.01068797 | -0.78600147 |
| ## | | NP_115606 | NP_660213 | NP_112576 | NP_001075223 | NP_004441 |
| ## | A0.A12D.01TCGA | -0.98020882 | -1.65835289 | 0.07891507 | -0.2182492 | -0.9878284 |
| ## | C8.A131.01TCGA | -0.07380208 | -1.08577231 | 1.29033380 | -1.4217464 | 0.2297890 |
| ## | A0.A12B.01TCGA | 0.10232727 | 1.54072221 | -0.83997385 | 0.8256820 | 0.5651634 |
| ## | BH.A18Q.02TCGA | 1.90817617 | -1.79850694 | 0.14181454 | NA | 0.5198427 |
| ## | C8.A130.02TCGA | 0.94908272 | 0.16847393 | -0.91060293 | NA | 1.5099403 |
| ## | C8.A138.03TCGA | 3.36119434 | 0.08805479 | -1.26874384 | -1.3309152 | -0.9652013 |
| ## | | NP_060691 | NP_597998 | NP_006601 | NP_055569 | NP_001001655 |
| ## | A0.A12D.01TCGA | -0.5039840 | -1.3497592 | -0.09252584 | 4.23921467 | 0.31893236 |
| ## | C8.A131.01TCGA | 0.2621720 | -0.0899936 | 3.21307724 | 0.05168223 | 0.09620892 |
| ## | A0.A12B.01TCGA | -0.9064892 | 3.9214183 | -1.36932536 | -1.51621348 | -0.31339381 |
| ## | BH.A18Q.02TCGA | 0.8644170 | 1.1521199 | NA | -0.54398874 | 0.44958967 |
| ## | C8.A130.02TCGA | -0.3300661 | -0.6318141 | NA | -0.47438037 | -1.13363401 |
| ## | C8.A138.03TCGA | -0.3617733 | -0.9432585 | -2.45365693 | -0.11674500 | -2.07331446 |
| ## | | NP_068818 | NP_057043 | NP_001075955 | NP_004813 | NP_001161339 |
| ## | A0.A12D.01TCGA | -2.351736 | 2.4409899 | -0.08871605 | -0.5801800 | 0.109393457 |
| ## | C8.A131.01TCGA | 1.832750 | -0.4259677 | 1.39962658 | 1.5413024 | 0.573858870 |
| ## | A0.A12B.01TCGA | -2.865921 | -0.9175751 | 0.23258654 | 0.2021003 | 0.930997958 |
| ## | BH.A18Q.02TCGA | -4.267399 | -1.3970611 | 0.53656960 | 0.2722844 | 0.007999269 |
| ## | C8.A130.02TCGA | 2.156074 | 0.4341433 | 1.41154423 | 1.6083364 | -0.061116890 |
| ## | C8.A138.03TCGA | 1.221768 | 2.0519385 | -2.25617142 | 4.2937648 | 1.287596436 |
| ## | | NP_859052 | NP_060809 | NP_001242959 | NP_997251 | NP_001122088 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | AO.A12D.01TCGA | NA | -1.47929238 | 0.5665692 | -2.5079379 | -0.04680827 |
| ## | C8.A131.01TCGA | NA | -1.16672993 | 0.7074389 | -0.4381114 | 0.73982199 |
| ## | AO.A12B.01TCGA | NA | 1.42154883 | -1.3998116 | 0.1328135 | -0.03901790 |
| ## | BH.A18Q.02TCGA | 0.4997704 | -0.08567142 | 2.0587183 | 2.0587183 | -0.64435019 |
| ## | C8.A130.02TCGA | -0.6350939 | -0.44814142 | -0.7695686 | 0.6538945 | -1.12051453 |
| ## | C8.A138.03TCGA | 0.4171973 | -0.22645918 | 0.1611976 | -1.7368577 | 0.43914015 |
| ## | | NP_001122087 | NP_060129 | NP_001011663 | NP_065876 | NP_060607 |
| ## | AO.A12D.01TCGA | -0.04680827 | 0.5360909 | -1.6088255 | 0.68848278 | -1.0221166 |
| ## | C8.A131.01TCGA | 0.73982199 | 1.5008236 | -0.3166749 | 1.40772234 | 0.6629123 |
| ## | AO.A12B.01TCGA | -0.03901790 | -1.5993577 | -0.1332480 | -1.05892028 | 0.6067355 |
| ## | BH.A18Q.02TCGA | -0.64435019 | 0.6770756 | 0.3525736 | 0.41948124 | 0.5499511 |
| ## | C8.A130.02TCGA | -1.12051453 | 0.6342153 | 0.4505427 | 1.02779957 | 1.3525066 |
| ## | C8.A138.03TCGA | 0.43914015 | 1.4667963 | -0.2228020 | 0.09536907 | -1.1590297 |
| ## | | NP_149017 | NP_061825 | NP_005506 | NP_073149 | NP_055436 |
| ## | AO.A12D.01TCGA | 2.12477669 | NA | NA | NA | NA |
| ## | C8.A131.01TCGA | 4.03074918 | NA | NA | NA | NA |
| ## | AO.A12B.01TCGA | 0.42658971 | NA | NA | NA | NA |
| ## | BH.A18Q.02TCGA | -1.18964744 | -1.7550170 | NA | -0.4269004 | -1.935668 |
| ## | C8.A130.02TCGA | -0.06439676 | 3.0842774 | NA | 1.2213118 | 2.900605 |
| ## | C8.A138.03TCGA | 0.30382600 | 0.3550259 | NA | -0.6287445 | NA |
| ## | | NP_076921 | NP_062458 | NP_076920 | NP_002132 | NP_004493 |
| ## | AO.A12D.01TCGA | NA | NA | NA | NA | NA |
| ## | C8.A131.01TCGA | NA | NA | NA | NA | NA |
| ## | AO.A12B.01TCGA | NA | NA | NA | NA | NA |
| ## | BH.A18Q.02TCGA | 0.02472618 | -0.47708110 | -1.022378 | 1.5502203 | -0.05221761 |
| ## | C8.A130.02TCGA | 2.08391735 | 0.03727918 | 2.900605 | 2.9006047 | 2.08391735 |
| ## | C8.A138.03TCGA | -0.25571629 | -0.61045879 | 0.962111 | -0.2557163 | -0.25571629 |
| ## | | NP_055435 | NP_002138 | NP_061826 | NP_004494 | NP_115731 |
| ## | AO.A12D.01TCGA | NA | NA | NA | NA | 0.7913473 |
| ## | C8.A131.01TCGA | NA | NA | NA | NA | -0.2073821 |
| ## | AO.A12B.01TCGA | NA | NA | NA | NA | 0.7480807 |
| ## | BH.A18Q.02TCGA | -0.1592698 | -1.2498643 | -1.2498643 | -1.2498643 | NA |
| ## | C8.A130.02TCGA | 3.2810695 | 2.4775016 | 2.4775016 | 2.4775016 | NA |
| ## | C8.A138.03TCGA | 0.9621110 | -0.2557163 | 0.4171973 | -0.2557163 | 1.9531958 |
| ## | | NP_003086 | NP_778250 | NP_001243042 | NP_001478 | NP_542161 |
| ## | AO.A12D.01TCGA | -0.7516209 | 1.6066441 | 1.1227998 | -0.98782841 | 0.082724870 |
| ## | C8.A131.01TCGA | -0.7052715 | -1.0452935 | -0.8833783 | 0.57790675 | -0.179046983 |
| ## | AO.A12B.01TCGA | -0.3438800 | -1.3416106 | -2.0871371 | 0.04412632 | -0.127705063 |
| ## | BH.A18Q.02TCGA | 0.3559190 | -0.3599927 | -0.3533020 | 0.18195913 | 0.208722181 |
| ## | C8.A130.02TCGA | 1.5263396 | 0.5751777 | 0.8408470 | 0.46038226 | 0.906444425 |
| ## | C8.A138.03TCGA | -0.7311444 | 0.8962825 | 1.6057675 | -0.97617271 | 0.007597728 |
| ## | | NP_057525 | NP_001093392 | NP_060936 | NP_004964 | NP_001599 |
| ## | AO.A12D.01TCGA | -0.6449466 | -1.3992866 | -1.4488140 | 0.4179871 | NA |
| ## | C8.A131.01TCGA | 1.9420426 | -1.8143909 | -1.7981994 | -0.8793304 | NA |
| ## | AO.A12B.01TCGA | -0.1775916 | 1.2469460 | 1.2469460 | -4.0049970 | NA |
| ## | BH.A18Q.02TCGA | NA | -0.3733743 | -0.2863943 | -2.9058283 | -11.409789 |
| ## | C8.A130.02TCGA | NA | 0.1061564 | 0.1684739 | 0.5554985 | -1.307467 |
| ## | C8.A138.03TCGA | NA | 0.7134256 | 0.5817686 | 1.4704534 | NA |
| ## | | NP_478066 | NP_006682 | NP_115875 | NP_001009996 | NP_036323 |
| ## | AO.A12D.01TCGA | NA | -7.8683239 | 0.3798891 | -1.2126065 | -1.2849927 |
| ## | C8.A131.01TCGA | NA | -0.6688406 | 0.4969491 | 0.4726618 | -0.9764795 |
| ## | AO.A12B.01TCGA | NA | -5.4018198 | -0.3882236 | 0.2935590 | 0.4127323 |
| ## | BH.A18Q.02TCGA | -0.3198482 | -1.9490491 | 0.1919953 | -1.4539326 | -0.1124345 |
| ## | C8.A130.02TCGA | -1.0319581 | -0.8515653 | -0.1660727 | -0.3530252 | -0.4579810 |


```

## C8.A138.03TCGA 4.8825642 -2.4061141 0.9547968 -0.2301163 -0.3544590
## NP_000557 NP_852100 NP_777572 NP_149074 NP_002399
## A0.A12D.01TCGA 0.3189324 1.6256931 NA -0.5154134 0.4446557
## C8.A131.01TCGA -0.3733453 -1.7131939 NA 0.2824114 1.2377113
## A0.A12B.01TCGA -3.2705564 -4.1019986 NA -1.5356138 -0.2551929
## BH.A18Q.02TCGA -1.6111656 -7.4856561 -3.3975995 -1.2799727 NA
## C8.A130.02TCGA -0.8712445 0.2209518 -0.9630808 2.7136522 NA
## C8.A138.03TCGA 1.8325102 4.0560508 2.1397099 -0.1716021 0.4647401
## NP_056955 NP_997717 NP_065690 NP_001245146 NP_004415
## A0.A12D.01TCGA -0.79733851 -1.2430849 NA -0.5954192 -0.2106296
## C8.A131.01TCGA -1.05338926 -0.1992864 NA -1.2355439 0.1083526
## A0.A12B.01TCGA -1.35546799 -0.2274781 NA -1.3416106 0.2603013
## BH.A18Q.02TCGA 0.07490691 -0.1793421 -1.323463 -1.9891937 -3.5983224
## C8.A130.02TCGA -0.70725106 0.9490827 2.762850 0.2799895 -0.3300661
## C8.A138.03TCGA -0.21183062 -0.0509165 2.746795 1.9385672 0.3294260
## XP_003960943 NP_057206 NP_001127666 NP_612476 NP_783313
## A0.A12D.01TCGA NA 1.3437681 3.11532421 -1.1897477 -1.2240359
## C8.A131.01TCGA NA -0.1304724 3.94979156 -0.5271647 -0.4866859
## A0.A12B.01TCGA NA -1.5910433 -0.72911489 0.5208198 -2.1065374
## BH.A18Q.02TCGA -1.85203305 -8.1413509 NA -0.5640610 -0.0722899
## C8.A130.02TCGA 1.75265059 0.1783135 NA -0.4383018 -0.3628648
## C8.A138.03TCGA -0.05457364 1.5838247 0.06611196 NA -0.7128587
## NP_004798 XP_003960581 NP_073749 NP_001244109 NP_004844
## A0.A12D.01TCGA NA NA 1.34757786 0.2351168 1.5761658
## C8.A131.01TCGA NA NA 0.74386987 -0.1709512 2.1282451
## A0.A12B.01TCGA NA NA 0.31573076 -0.3161653 -0.5988556
## BH.A18Q.02TCGA -3.0229167 0.89452546 1.24913594 1.3327705 0.1117061
## C8.A130.02TCGA 0.6768536 -0.09391558 2.19543289 -1.0417977 -1.2254703
## C8.A138.03TCGA NA 2.36279535 -0.07651647 1.1339966 0.1173119
## NP_112202 NP_000103 NP_057506 NP_067646 NP_660294
## A0.A12D.01TCGA -0.4849351 -2.16505605 0.2008286 -0.04299847 0.57037903
## C8.A131.01TCGA -1.7415290 -1.90344426 0.6831517 -0.01308386 0.04358647
## A0.A12B.01TCGA 2.0395875 -4.48723347 1.2081453 0.56793488 -0.60994152
## BH.A18Q.02TCGA -1.5476033 6.55156619 -0.6510410 -0.68114939 0.98819615
## C8.A130.02TCGA -0.7695686 -0.06111689 -0.7794082 -0.56949657 0.63749518
## C8.A138.03TCGA -1.5210864 1.17788226 -0.7969729 -0.09845931 0.23799750
## NP_077269 NP_060288 NP_077283 NP_036523 NP_079221
## A0.A12D.01TCGA 1.4656816 0.0255779 NA 1.9685750 NA
## C8.A131.01TCGA 2.0310960 0.8005402 NA 1.7315528 NA
## A0.A12B.01TCGA 0.9531697 1.2053739 NA -0.8981748 NA
## BH.A18Q.02TCGA -2.4073664 -1.8353061 -0.6242779 -2.0092660 0.05483462
## C8.A130.02TCGA 0.1684739 -0.4219025 -0.7236504 0.6145361 -0.51373879
## C8.A138.03TCGA 2.1762813 -1.3894294 7.2414190 1.8105673 -0.17160209
## NP_001096034 NP_005867 NP_001166947 NP_001028741 NP_444269
## A0.A12D.01TCGA -1.1592693 NA NA -0.88877366 -0.5154134
## C8.A131.01TCGA -0.2033343 NA NA -1.70105021 1.6303558
## A0.A12B.01TCGA 1.9120997 NA NA -0.65151362 -0.2967650
## BH.A18Q.02TCGA -0.6075510 0.6469672 2.7545578 -1.58105711 0.1652322
## C8.A130.02TCGA -0.5334180 0.6473348 0.8178880 -0.07751624 -0.7466095
## C8.A138.03TCGA 1.7191389 0.4318259 -0.3654305 0.92919680 0.1026833
## NP_000135 NP_057197 NP_055739 NP_002351 NP_002350
## A0.A12D.01TCGA 0.1589208 0.3341715 0.3951283 2.05620032 0.72658076
## C8.A131.01TCGA -1.1788736 0.2500284 1.2822380 1.96228203 0.35122542
## A0.A12B.01TCGA -0.8898604 -1.2002655 0.5152769 -1.07000618 -0.62934183

```

```

## BH.A18Q.02TCGA -1.4639688 -0.6309687 -0.3298843 0.37264589 1.19226445
## C8.A130.02TCGA -1.3533852 -0.7269303 0.1487947 0.05695839 0.03399931
## C8.A138.03TCGA -1.2833724 -0.9286299 1.6825675 -0.63605877 -1.58691495
## NP_115904 NP_689895 NP_002644 NP_001191326 NP_001196
## AO.A12D.01TCGA 1.7399871 1.0199352 -0.336352928 -0.336352928 1.6904597
## C8.A131.01TCGA 2.4763629 -0.2964355 0.003107659 0.003107659 0.5900504
## AO.A12B.01TCGA -0.6154845 0.1328135 -0.366051816 -0.366051816 -0.9646902
## BH.A18Q.02TCGA -2.7686677 -0.7647839 -1.085940600 -1.085940600 -2.9593544
## C8.A130.02TCGA -0.1070351 -0.4874998 2.677573613 3.441783059 -2.1143148
## C8.A138.03TCGA NA -2.5158283 1.437539142 NA -2.2305714
## NP_116052 NP_009052 NP_001123573 NP_000607 NP_003302
## AO.A12D.01TCGA 0.9056413 NA NA 0.05605628 5.6755086
## C8.A131.01TCGA -1.2800706 NA NA 1.20937618 0.4645661
## AO.A12B.01TCGA -1.5328423 NA NA -1.30280999 1.2053739
## BH.A18Q.02TCGA -0.5506795 0.89118008 0.8911801 1.20899136 -2.1731897
## C8.A130.02TCGA -0.7662887 0.57845754 0.6670140 -1.48457998 -0.1201545
## C8.A138.03TCGA 2.0043957 -0.08383075 -0.8445157 -0.74211580 0.1026833
## NP_004919 NP_598395 NP_060189 NP_073728 NP_001137544
## AO.A12D.01TCGA -0.8468659 -0.5154134 1.1608978 -1.2583241 1.7514165
## C8.A131.01TCGA 0.3471775 -0.3166749 -0.1183288 -1.2355439 0.5009970
## AO.A12B.01TCGA 0.2131862 -0.5572835 0.1549853 0.9975133 -0.7402008
## BH.A18Q.02TCGA 1.1320476 -1.2933543 -4.8227321 -2.6616155 -0.7146032
## C8.A130.02TCGA -0.8122069 0.9064444 0.6768536 0.2570304 -1.9798402
## C8.A138.03TCGA 0.3659974 -0.1313736 1.7630245 1.1925108 1.9458815
## NP_115497 NP_002862 NP_065746 NP_001068566 NP_775498
## AO.A12D.01TCGA 4.7687766 -0.53827223 NA -0.06966706 NA
## C8.A131.01TCGA 0.9260245 -0.22762155 NA -0.98457529 NA
## AO.A12B.01TCGA -2.4529716 -0.16096275 NA 0.35730287 NA
## BH.A18Q.02TCGA 0.0581800 0.19199527 NA -1.79850694 NA
## C8.A130.02TCGA -2.1307141 -0.46126089 NA 0.01432009 NA
## C8.A138.03TCGA 0.8048541 0.05514054 NA 0.56348288 -0.6909159
## NP_055698 NP_542408 NP_001032583 NP_079495 NP_443087
## AO.A12D.01TCGA 2.4600389 -1.2507045 -0.54970162 2.9019755 -1.74597825
## C8.A131.01TCGA 3.9781267 -0.7093194 -0.51097322 0.3390818 -1.19101722
## AO.A12B.01TCGA -0.6875428 0.3905606 0.07184106 -2.3836848 -0.26073581
## BH.A18Q.02TCGA -5.6222784 0.3960636 -0.43693652 -13.7415202 -1.75501697
## C8.A130.02TCGA -0.5399777 -0.1726324 -0.24150968 -3.0753164 -0.50717906
## C8.A138.03TCGA 2.7541092 -0.8701157 0.98039675 3.2807373 -0.02897366
## NP_060142 NP_002484 NP_004827 NP_056943 NP_848934
## AO.A12D.01TCGA 1.4047248 2.079059 0.7532493 -0.22586878 -0.2487276
## C8.A131.01TCGA 0.4767097 -1.118155 1.0838919 0.01525130 -2.0046413
## AO.A12B.01TCGA -0.4769108 -3.677963 2.0007869 0.33235960 -2.4502002
## BH.A18Q.02TCGA -1.3435350 -1.189647 NA -0.07898066 -2.0226475
## C8.A130.02TCGA -2.4127829 -1.022118 NA 1.29346895 -0.6088550
## C8.A138.03TCGA -4.0518267 2.190910 NA 0.81582548 -1.1992582
## NP_058636 NP_001230072 NP_057443 NP_060336 NP_059139
## AO.A12D.01TCGA 0.345600944 -1.49072177 -1.49072177 3.5115432 -0.8087679
## C8.A131.01TCGA 0.003107659 1.44010539 1.44010539 -0.4057283 0.5819546
## AO.A12B.01TCGA -0.269050230 -1.72130254 -1.72130254 -0.7984017 0.3489884
## BH.A18Q.02TCGA 0.506461166 -0.92201689 -0.92201689 -1.2732820 0.6034772
## C8.A130.02TCGA -1.287787846 0.01432009 0.01432009 0.8769256 -0.3169467
## C8.A138.03TCGA 0.212397521 0.94748249 0.94748249 0.6256542 0.7719398
## NP_660160 NP_002880 NP_110413 NP_001036249 NP_001135757
## AO.A12D.01TCGA 0.4332263 1.62950292 0.155111035 2.631479843 0.2846442

```

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## C8.A131.01TCGA 1.1405622 -0.11023301 0.375512705 0.549571585 -1.1181554
## A0.A12B.01TCGA 0.1438994 -1.84047592 0.870025533 0.121727586 0.3600743
## BH.A18Q.02TCGA -0.3165028 1.22571827 0.007999269 -4.361069441 0.1685776
## C8.A130.02TCGA -1.1401937 0.51941990 -1.133634010 0.007760356 0.5882971
## C8.A138.03TCGA -0.2666877 0.02588342 1.748395971 -1.199258197 -0.4422304
## NP_001017 NP_060727 NP_079133 NP_055228 NP_113679
## A0.A12D.01TCGA 0.2846442 -4.4242664 0.72658076 -0.40492930 -0.1077650
## C8.A131.01TCGA -1.1181554 -1.1626820 0.05977799 0.10430468 -1.7131939
## A0.A12B.01TCGA 0.3600743 1.5656655 1.13885850 -0.15819127 -3.1984981
## BH.A18Q.02TCGA 0.1685776 -0.7547478 -2.39398491 -3.77897300 2.0520276
## C8.A130.02TCGA 0.5882971 1.1393151 0.19143301 -0.21527073 -0.6777322
## C8.A138.03TCGA -0.4422304 -1.3126295 0.94016822 -0.09114503 -3.3533132
## NP_065139 NP_689565 NP_919442 NP_003498 NP_003496
## A0.A12D.01TCGA -0.7135229 1.1113704 -0.8621051 1.7133185 2.2695490
## C8.A131.01TCGA 5.6863325 -1.0533893 1.3631957 0.7033911 1.3186690
## A0.A12B.01TCGA -2.0843656 -1.4552410 0.9143691 -2.3282553 -0.8233450
## BH.A18Q.02TCGA NA -0.7146032 -0.4904626 -0.5306072 -1.3970611
## C8.A130.02TCGA NA -1.1959515 -1.1500334 -0.9958795 -0.1103149
## C8.A138.03TCGA NA 0.7682827 -1.2321724 2.0811956 3.8585653
## NP_001457 NP_001997 NP_127490 NP_444278 NP_002590
## A0.A12D.01TCGA 1.7133185 -1.585967 NA -1.2430849 0.2160678
## C8.A131.01TCGA 0.7033911 -1.324597 NA -1.5796138 2.5087460
## A0.A12B.01TCGA -2.3282553 5.362585 NA 2.4386797 -1.6492442
## BH.A18Q.02TCGA -0.3198482 2.644160 -1.0625229 0.2722844 1.0350315
## C8.A130.02TCGA 0.6538945 -1.743690 0.7686899 -0.1201545 -0.7630088
## C8.A138.03TCGA 2.0811956 -4.914912 -0.4824589 -1.5613150 -0.6031445
## NP_005530 NP_002418 NP_663768 NP_116016 NP_001243661
## A0.A12D.01TCGA 0.44084590 -0.1915806 -2.4888889 NA -2.4888889
## C8.A131.01TCGA 1.01912577 2.9580607 -3.9759593 NA -3.9759593
## A0.A12B.01TCGA 0.06352663 -1.7379314 -1.2279802 NA -1.2279802
## BH.A18Q.02TCGA -1.21641049 -1.4606234 1.7375617 -0.5205711 3.7849354
## C8.A130.02TCGA 0.02415970 -0.9138828 1.7756097 1.4377832 1.5132202
## C8.A138.03TCGA 1.51433906 0.8853111 0.1611976 0.1611976 0.8121683
## NP_114428 NP_004099 NP_036560 NP_055767 NP_066925
## A0.A12D.01TCGA 0.3036932 NA 1.5190188 -0.6182780 4.7116296
## C8.A131.01TCGA 2.1080057 NA 1.0150779 -1.2072087 3.3709446
## A0.A12B.01TCGA -1.4857273 NA -1.2834097 1.0501713 -0.7817729
## BH.A18Q.02TCGA -0.2228321 -0.2997759 -0.4168642 0.4127905 -0.9353984
## C8.A130.02TCGA -0.2447895 0.3980648 0.6079764 -0.8286062 -0.9827600
## C8.A138.03TCGA 1.7301103 -1.5137722 1.6496532 NA 2.4066810
## NP_054896 NP_000992 NP_066357 NP_113615 NP_000152
## A0.A12D.01TCGA 1.4047248 -1.0449754 -0.07728665 -0.2906354 -0.8430561
## C8.A131.01TCGA 0.6710080 4.5286385 4.18052078 0.2540763 -1.3610282
## A0.A12B.01TCGA -0.3106223 -3.5809615 -3.78882205 1.1915165 1.7374969
## BH.A18Q.02TCGA -2.1163182 -2.8891014 -3.14335044 -0.6878402 2.8415377
## C8.A130.02TCGA -0.1595130 1.8805655 2.09375695 -0.9270023 -1.6584130
## C8.A138.03TCGA 0.8048541 0.2635975 0.26359747 1.1632537 -2.9400564
## NP_036324 NP_001124396 NP_001229338 NP_001122064 NP_001247441
## A0.A12D.01TCGA -0.9383010 2.38765276 NA -0.58018001 2.2238314
## C8.A131.01TCGA -0.6162181 0.09216104 NA 0.15692713 -0.9805274
## A0.A12B.01TCGA 0.5901067 -1.51898495 NA -0.09999032 -1.8072182
## BH.A18Q.02TCGA -0.9621615 -1.79850694 -5.6155876 1.30935281 -0.8484185
## C8.A130.02TCGA 1.8936850 0.26031026 -0.4743804 -0.77612830 -2.8752444
## C8.A138.03TCGA -0.5373160 -0.34714477 2.6224522 -0.48977320 -1.6052006

```

| | | | | | | |
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| ## | | NP_001254527 | NP_000073 | NP_114131 | NP_001243635 | NP_057251 |
| ## | AO.A12D.01TCGA | 2.2238314 | -0.08490625 | 4.68877085 | 0.917070668 | -0.8697247 |
| ## | C8.A131.01TCGA | -0.9805274 | 1.50487148 | 0.42408728 | -0.000940222 | 0.4605182 |
| ## | AO.A12B.01TCGA | -1.8072182 | 1.04185691 | -1.66864454 | -0.914803644 | -2.2395682 |
| ## | BH.A18Q.02TCGA | -0.8484185 | NA | -0.77147471 | -0.142542915 | -3.1734589 |
| ## | C8.A130.02TCGA | -2.8752444 | NA | 0.06023826 | -0.047997415 | 1.3820254 |
| ## | C8.A138.03TCGA | -1.6052006 | NA | 1.19982510 | 0.340397392 | -0.5592588 |
| ## | | NP_001528 | NP_612434 | NP_005784 | NP_951032 | NP_951033 |
| ## | AO.A12D.01TCGA | 0.05224649 | -0.6144682 | 1.1189900 | -0.03537887 | -0.29825495 |
| ## | C8.A131.01TCGA | 0.26217204 | -1.0898202 | 1.1648495 | -0.93195284 | -1.25173543 |
| ## | AO.A12B.01TCGA | -1.08386355 | 0.9254550 | -0.3882236 | 0.88942585 | 0.73699479 |
| ## | BH.A18Q.02TCGA | -0.52057107 | 0.1317784 | -3.4845794 | 0.61016800 | 0.74063790 |
| ## | C8.A130.02TCGA | 0.25047065 | -1.4714605 | 0.8834853 | 0.09631682 | -0.04143768 |
| ## | C8.A138.03TCGA | 0.41719731 | 0.6183400 | -1.3967437 | -0.23377346 | -0.32154480 |
| ## | | NP_003334 | NP_001034933 | NP_872357 | NP_057284 | NP_001154829 |
| ## | AO.A12D.01TCGA | -0.77447972 | -2.1650560 | 2.456229127 | -1.43357480 | NA |
| ## | C8.A131.01TCGA | -0.08594572 | -0.2073821 | 1.148657962 | 0.52123642 | NA |
| ## | AO.A12B.01TCGA | 0.31295928 | 0.5540775 | -2.702404294 | 0.43213266 | NA |
| ## | BH.A18Q.02TCGA | 0.50311578 | -1.8921776 | -0.005382259 | 0.91459775 | -4.906367 |
| ## | C8.A130.02TCGA | -0.10047532 | 1.0835573 | -0.654773155 | 0.01104023 | -0.533418 |
| ## | C8.A138.03TCGA | -0.21914490 | -0.5007446 | 3.233194472 | -1.39308657 | 1.188854 |
| ## | | NP_001026893 | NP_001265239 | NP_110429 | NP_079305 | NP_001078834 |
| ## | AO.A12D.01TCGA | 1.1761369 | 0.7227710 | -0.6068486 | -0.9840186 | -1.2164163 |
| ## | C8.A131.01TCGA | -0.4704944 | -0.7700376 | -0.6162181 | -0.6121702 | -0.7862291 |
| ## | AO.A12B.01TCGA | -2.4612861 | -4.3070877 | 1.2192312 | 1.3494905 | 1.3716623 |
| ## | BH.A18Q.02TCGA | -2.5880171 | NA | 0.4562804 | 0.4763527 | -0.3131574 |
| ## | C8.A130.02TCGA | -0.7006913 | NA | 0.5423790 | 0.1028766 | -0.1431136 |
| ## | C8.A138.03TCGA | 0.6987970 | 0.4281687 | -2.0074860 | 0.6914828 | 1.4594820 |
| ## | | NP_444292 | NP_002278 | NP_689771 | NP_110445 | NP_068713 |
| ## | AO.A12D.01TCGA | -0.6830446 | 0.05605628 | 3.431537 | 1.1685173 | NA |
| ## | C8.A131.01TCGA | 0.2783636 | -0.82670793 | 1.885372 | 0.6467207 | NA |
| ## | AO.A12B.01TCGA | -1.1420645 | -0.47968225 | -2.020622 | 0.1300420 | NA |
| ## | BH.A18Q.02TCGA | -0.5975148 | -0.43693652 | -2.300314 | 1.1554652 | NA |
| ## | C8.A130.02TCGA | -1.0089990 | -0.86796463 | 0.640775 | 0.6670140 | NA |
| ## | C8.A138.03TCGA | 0.8304540 | -0.61045879 | 3.255137 | 0.3257688 | 0.2306832 |
| ## | | NP_115705 | NP_001121054 | NP_001155879 | NP_065717 | NP_071450 |
| ## | AO.A12D.01TCGA | -0.6563760 | -1.3345200 | -0.87734427 | 4.2430245 | -0.458266469 |
| ## | C8.A131.01TCGA | 0.5212364 | -0.6809842 | 0.94221603 | 1.0150779 | 0.679103774 |
| ## | AO.A12B.01TCGA | 0.7536236 | -1.5106705 | -0.03347495 | 2.1421320 | -1.133750080 |
| ## | BH.A18Q.02TCGA | -1.2532097 | 0.1485053 | -0.87183616 | -0.2696674 | -1.199683583 |
| ## | C8.A130.02TCGA | 0.1487947 | 1.4968208 | -0.58589591 | -0.5858959 | 0.007760356 |
| ## | C8.A138.03TCGA | -0.2813163 | -0.1569735 | 3.46359424 | NA | 0.216054660 |
| ## | | NP_060072 | NP_115648 | NP_079042 | NP_001009944 | NP_001001410 |
| ## | AO.A12D.01TCGA | NA | 0.07510527 | NA | 0.6580044 | 0.24654619 |
| ## | C8.A131.01TCGA | NA | 0.03549071 | NA | 0.5293322 | 0.75196563 |
| ## | AO.A12B.01TCGA | NA | -1.38041126 | NA | -0.6819998 | -0.14433391 |
| ## | BH.A18Q.02TCGA | -0.4837719 | -1.18630206 | -2.447511 | 0.7272564 | -0.04887222 |
| ## | C8.A130.02TCGA | -0.6646128 | -0.80892699 | -1.254989 | -0.5432576 | 1.96256220 |
| ## | C8.A138.03TCGA | 1.9787957 | 0.67685419 | 1.038911 | 0.6914828 | -0.03628794 |
| ## | | NP_000529 | NP_001265227 | NP_068602 | NP_057121 | NP_067007 |
| ## | AO.A12D.01TCGA | 0.54752025 | 0.3570303 | -0.46969586 | -0.1306238 | 4.0220562 |
| ## | C8.A131.01TCGA | -0.49882958 | 1.1162749 | 0.18526230 | 2.7030442 | 0.4443267 |
| ## | AO.A12B.01TCGA | 0.50973393 | -3.0682388 | 1.74858275 | -2.5666021 | -3.6114477 |
| ## | BH.A18Q.02TCGA | 0.50646117 | -3.6886477 | 0.57671419 | -2.4843102 | -9.4092507 |

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## C8.A130.02TCGA -0.90076332 -1.3632248 0.07335773 1.0573184 -0.2677486
## C8.A138.03TCGA -0.08748789 NA 0.06976909 -2.7791423 5.1129640
## NP_653237 NP_079016 NP_002609 NP_543026 NP_694983 NP_057437
## A0.A12D.01TCGA 0.7189612 2.8714971 2.2124020 -1.0259264 4.3992262 4.399226
## C8.A131.01TCGA -1.1626820 0.3431297 1.6586910 0.3755127 1.1850889 1.464393
## A0.A12B.01TCGA 0.9614842 -0.3965380 -1.8377044 0.7785669 -0.5822268 -1.749017
## BH.A18Q.02TCGA -1.4004065 -1.1561936 -0.5975148 -0.5941695 -0.6175871 NA
## C8.A130.02TCGA 2.8907651 -1.0975555 -0.8876438 -0.0283182 1.8444869 NA
## C8.A138.03TCGA -0.4861161 3.0613089 0.2818832 NA 3.8475939 4.023137
## NP_057146 NP_001156002 NP_037416 NP_000989 NP_056045
## A0.A12D.01TCGA -0.5535114 NA 0.4979929 1.2218545 2.1362061
## C8.A131.01TCGA 0.6588644 NA 1.5089194 -0.7700376 1.8327498
## A0.A12B.01TCGA -0.6764569 NA 0.2880160 -0.7263434 0.4543045
## BH.A18Q.02TCGA -0.1659606 -3.2671296 -1.4405511 -1.5542941 -6.9035597
## C8.A130.02TCGA 1.7034526 0.5325394 0.8474068 1.6247357 1.5624182
## C8.A138.03TCGA -1.1297726 3.8329653 1.5362819 1.1083966 1.4741105
## NP_001325 NP_001438 NP_150596 NP_001073965 NP_005035
## A0.A12D.01TCGA -0.6944740 1.1647075 3.0962752 0.2160678 -0.3096843
## C8.A131.01TCGA 0.6507686 -0.5150211 -0.6850321 0.5576673 0.9341203
## A0.A12B.01TCGA 2.5024236 0.8866544 0.6815653 0.5402201 -0.5018540
## BH.A18Q.02TCGA -0.2863943 -1.3836796 0.6938026 NA 1.7777063
## C8.A130.02TCGA -0.9335620 0.2635901 -1.7371299 NA 0.4275836
## C8.A138.03TCGA -1.2285153 -0.4349161 -0.4020019 0.1026833 -1.3674866
## NP_116175 NP_001005291 NP_001424 NP_056276 NP_060375
## A0.A12D.01TCGA 0.6541946 4.353509 0.9475491 NA 2.3952724
## C8.A131.01TCGA -5.0891265 1.662739 1.1162749 NA 1.6424994
## A0.A12B.01TCGA -6.8596151 -1.133750 1.2026024 NA -1.0894065
## BH.A18Q.02TCGA -7.6830336 -3.605013 NA NA -2.8891014
## C8.A130.02TCGA 1.9002447 1.434503 NA NA -0.9663607
## C8.A138.03TCGA 3.5623370 2.673652 -1.5430293 NA 0.7536541
## NP_001013694 NP_203753 NP_694967 NP_004737 NP_006318
## A0.A12D.01TCGA -0.2106296 0.6580044 1.08089199 -4.245206 0.31512256
## C8.A131.01TCGA 0.1812144 -0.2681004 0.05977799 -3.401160 0.95435968
## A0.A12B.01TCGA 0.2603013 -0.4214813 0.95039827 3.641499 -1.05892028
## BH.A18Q.02TCGA -3.7455192 -4.1034750 -4.76920603 1.045068 -0.03214531
## C8.A130.02TCGA -0.8515653 0.1815934 0.64077505 -1.238590 0.69981269
## C8.A138.03TCGA 2.0848528 1.9019958 -1.58691495 NA 1.34976780
## NP_036451 NP_478070 NP_005457 NP_078867 NP_057130
## A0.A12D.01TCGA -1.6774019 0.3836989 0.6770534 -0.1534826 -1.04497539
## C8.A131.01TCGA -1.9196358 -0.5595478 -1.2760227 1.6141643 0.03549071
## A0.A12B.01TCGA -0.3605089 -1.3166674 -0.2330211 -2.1148518 0.77302395
## BH.A18Q.02TCGA -0.6410048 0.6202041 -0.1191252 -2.2267158 0.39271818
## C8.A130.02TCGA -0.8351659 0.3193479 0.1553545 -0.2775882 0.18487328
## C8.A138.03TCGA -1.7990290 -1.5466864 0.1611976 -0.5556017 -0.45685895
## NP_996769 NP_057151 NP_002280 NP_001231681 NP_671728
## A0.A12D.01TCGA -2.7860531 0.3417911 -7.955949 NA NA
## C8.A131.01TCGA -0.5474041 -2.0289286 -9.116768 NA NA
## A0.A12B.01TCGA 0.9891989 1.5379507 -6.003230 NA NA
## BH.A18Q.02TCGA -1.3736434 -0.6677679 -7.482311 -3.5414509 -3.3975995
## C8.A130.02TCGA -2.3012673 0.1947129 -8.831486 -0.9663607 -1.2287502
## C8.A138.03TCGA 0.1904547 0.4830258 -12.148733 0.6219971 0.8341112
## NP_116062 NP_006618 NP_114401 NP_001034658 NP_004544
## A0.A12D.01TCGA NA -1.0525950 NA -0.4430273 -0.267776561
## C8.A131.01TCGA NA -1.6767629 NA 0.3836085 -0.000940222

```

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | A0.A12B.01TCGA | NA | -0.2801361 | NA | 2.7019698 | -0.105533272 |
| ## | BH.A18Q.02TCGA | -1.0558322 | 1.3628789 | -4.749134 | -0.3365751 | -0.149233679 |
| ## | C8.A130.02TCGA | -0.4514213 | 1.3328274 | -1.638734 | -2.8424457 | 0.115996028 |
| ## | C8.A138.03TCGA | 2.4725095 | -0.5117160 | 3.160052 | -2.9729707 | -0.782344332 |
| ## | | NP_001107 | NP_057649 | NP_001122307 | NP_000396 | NP_037372 |
| ## | A0.A12D.01TCGA | NA | 0.5208517 | 0.4675145 | -0.8811541 | -2.542226 |
| ## | C8.A131.01TCGA | NA | -0.1749991 | -0.5595478 | 2.3427828 | -1.191017 |
| ## | A0.A12B.01TCGA | NA | -0.1997634 | 0.6205929 | -0.5240258 | 2.183704 |
| ## | BH.A18Q.02TCGA | NA | -0.4503180 | 0.2053768 | 2.7980477 | -1.286664 |
| ## | C8.A130.02TCGA | NA | 1.5033806 | -0.8712445 | -0.5006193 | -2.419343 |
| ## | C8.A138.03TCGA | NA | -2.1391430 | -0.1606307 | -2.0806287 | -1.627143 |
| ## | | NP_004285 | NP_061891 | NP_001026864 | NP_036368 | NP_004266 |
| ## | A0.A12D.01TCGA | 0.07129548 | NA | -0.3401627 | -0.3401627 | -0.1039552 |
| ## | C8.A131.01TCGA | -0.22357367 | NA | 3.4519022 | 3.4519022 | -0.1223767 |
| ## | A0.A12B.01TCGA | 0.66493647 | NA | -1.7185311 | -1.7185311 | 0.2797016 |
| ## | BH.A18Q.02TCGA | 0.90456161 | 0.7807825 | 0.3525736 | 0.3525736 | 0.2589029 |
| ## | C8.A130.02TCGA | -1.63217408 | -1.4255423 | 1.0901171 | 1.0901171 | 1.0933970 |
| ## | C8.A138.03TCGA | 1.24005363 | 0.6256542 | -0.2484020 | -0.2484020 | 0.2379975 |
| ## | | NP_002764 | NP_001257323 | NP_065835 | NP_036528 | NP_001678 |
| ## | A0.A12D.01TCGA | 0.01033871 | -2.5307967 | NA | 1.90380839 | -0.04299847 |
| ## | C8.A131.01TCGA | -0.13047241 | -0.9724316 | NA | -0.04951479 | 0.41194363 |
| ## | A0.A12B.01TCGA | -2.06496530 | 2.6326829 | NA | -1.72407402 | 2.55785312 |
| ## | BH.A18Q.02TCGA | 0.04814385 | -3.1132420 | 2.8080839 | -2.64488855 | 1.19226445 |
| ## | C8.A130.02TCGA | -3.52465841 | -3.5738564 | 0.9884411 | -1.07787624 | -0.59901538 |
| ## | C8.A138.03TCGA | 3.43433713 | -2.8047423 | -0.7238301 | 0.81216834 | -0.39103044 |
| ## | | NP_758455 | NP_000485 | NP_001503 | NP_871629 | NP_077268 |
| ## | A0.A12D.01TCGA | -0.957350029 | NA | 1.0580332 | -0.6220878 | -0.1839610 |
| ## | C8.A131.01TCGA | -2.271801423 | NA | 1.2417592 | 0.1164483 | 0.1164483 |
| ## | A0.A12B.01TCGA | 2.923687675 | NA | 2.3305923 | 1.7735260 | -1.2418376 |
| ## | BH.A18Q.02TCGA | 0.513151930 | -0.1559244 | 0.5834049 | -0.5272618 | -0.5372980 |
| ## | C8.A130.02TCGA | -0.520298532 | 1.3787455 | -0.7269303 | -0.6547732 | 1.2213118 |
| ## | C8.A138.03TCGA | -0.007030829 | 3.2917087 | -0.3910304 | -1.9050861 | -0.2849734 |
| ## | | NP_003638 | NP_976249 | NP_057184 | NP_997219 | NP_008964 |
| ## | A0.A12D.01TCGA | -1.254514 | 0.8065865 | 0.7227710 | NA | 3.191520 |
| ## | C8.A131.01TCGA | -1.632236 | 0.2095496 | -0.2033343 | NA | -1.126251 |
| ## | A0.A12B.01TCGA | 2.020187 | -2.0206217 | -0.5933127 | NA | -1.646473 |
| ## | BH.A18Q.02TCGA | -1.380334 | 0.3023929 | -0.1191252 | -1.0424506 | -1.393716 |
| ## | C8.A130.02TCGA | -4.039598 | -0.1857519 | 0.5161400 | 0.3390271 | -1.888004 |
| ## | C8.A138.03TCGA | NA | 1.3241678 | -0.2008592 | 2.1835955 | 1.389996 |
| ## | | NP_001258867 | NP_001012987 | NP_001152752 | NP_061168 | NP_115963 |
| ## | A0.A12D.01TCGA | 0.9361197 | -0.5230330 | -0.4696959 | -1.79550563 | -1.3992866 |
| ## | C8.A131.01TCGA | 0.3107466 | -0.2195258 | -0.1547597 | -0.26000460 | -0.6121702 |
| ## | A0.A12B.01TCGA | -0.6487422 | 0.9254550 | 0.9115976 | -3.68904899 | 0.4820192 |
| ## | BH.A18Q.02TCGA | -1.3602619 | -0.4436273 | -0.9353984 | 0.94136081 | 0.8610716 |
| ## | C8.A130.02TCGA | 0.7457309 | -1.6059351 | -1.5731364 | 0.52597964 | 1.2114722 |
| ## | C8.A138.03TCGA | -0.3215448 | -0.1094307 | 0.5269115 | 0.03685484 | -1.0785726 |
| ## | | NP_002952 | NP_116291 | NP_976075 | NP_059121 | NP_000915 |
| ## | A0.A12D.01TCGA | 1.1113704 | 0.5551398 | -0.5077938 | -1.845033 | NA |
| ## | C8.A131.01TCGA | 1.7315528 | 0.9786470 | -1.0574371 | -1.587710 | NA |
| ## | A0.A12B.01TCGA | -4.5482059 | -0.5406547 | -3.3204430 | 3.253493 | NA |
| ## | BH.A18Q.02TCGA | -0.7580932 | -0.7413663 | 4.4941563 | NA | NA |
| ## | C8.A130.02TCGA | -1.2385898 | -0.6350939 | -1.3632248 | NA | NA |
| ## | C8.A138.03TCGA | 0.6110257 | 1.3826821 | -0.6726302 | 7.113419 | -0.02531652 |
| ## | | NP_001159447 | NP_056190 | XP_003960230 | NP_001026862 | NP_055443 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | A0.A12D.01TCGA | NA | NA | NA | NA | -0.1458630 |
| ## | C8.A131.01TCGA | NA | NA | NA | NA | -0.8914740 |
| ## | A0.A12B.01TCGA | NA | NA | NA | NA | 0.8700255 |
| ## | BH.A18Q.02TCGA | NA | -7.0607926 | -5.267668 | -3.9395513 | 0.8878347 |
| ## | C8.A130.02TCGA | NA | 0.5686179 | -2.806367 | -0.6219745 | -1.1565931 |
| ## | C8.A138.03TCGA | 0.4793687 | 1.5874818 | 4.900850 | 2.2786812 | 0.7207399 |
| ## | | NP_057144 | NP_001107605 | NP_057109 | NP_001070648 | NP_061921 |
| ## | A0.A12D.01TCGA | -0.72114254 | 0.3075030 | 1.13422916 | 0.4294165 | NA |
| ## | C8.A131.01TCGA | -0.08594572 | -1.8548697 | 0.39979999 | 0.7924444 | NA |
| ## | A0.A12B.01TCGA | 0.28524455 | -2.5139441 | 0.29355897 | 0.4044179 | NA |
| ## | BH.A18Q.02TCGA | -0.49715339 | -3.7990453 | 0.13846916 | 0.9513970 | -0.4068281 |
| ## | C8.A130.02TCGA | 0.64077505 | -0.7695686 | -0.03815781 | 0.2111122 | 0.2078324 |
| ## | C8.A138.03TCGA | 1.02062528 | -1.1736582 | -0.29960196 | -0.4532018 | 0.2965117 |
| ## | | NP_115899 | NP_113662 | NP_057588 | NP_775872 | NP_057488 |
| ## | A0.A12D.01TCGA | -1.353569 | -0.9573500 | -0.54208203 | NA | -1.10212236 |
| ## | C8.A131.01TCGA | -1.782008 | 0.7519656 | -1.98035400 | NA | -0.77813336 |
| ## | A0.A12B.01TCGA | -2.001221 | 1.3356331 | 2.47748038 | NA | 0.34344550 |
| ## | BH.A18Q.02TCGA | -4.484849 | 2.8348469 | 0.53656960 | 0.1752684 | -0.00872764 |
| ## | C8.A130.02TCGA | -1.087716 | -0.2611889 | -0.09391558 | 1.2606703 | 0.58173741 |
| ## | C8.A138.03TCGA | -1.396744 | -2.6474853 | -0.75308722 | 0.1246262 | -1.58325781 |
| ## | | NP_078924 | NP_787098 | NP_001098117 | NP_001020 | XP_003846586 |
| ## | A0.A12D.01TCGA | 1.2370937 | 1.2370937 | 1.92666718 | 1.3170995 | 1.8314222 |
| ## | C8.A131.01TCGA | 1.5210630 | 1.5210630 | -0.19119063 | 1.3672435 | -1.0331499 |
| ## | A0.A12B.01TCGA | -0.4048524 | -0.4048524 | 1.71532507 | -0.4353387 | -1.1032639 |
| ## | BH.A18Q.02TCGA | -0.3365751 | -0.3365751 | 0.86776241 | -0.8183101 | 0.2689391 |
| ## | C8.A130.02TCGA | -0.7695686 | -0.7695686 | -0.37270443 | 1.1327554 | 2.3266276 |
| ## | C8.A138.03TCGA | 0.8999397 | 0.8999397 | -0.08383075 | 0.7755970 | 0.9072540 |
| ## | | NP_722541 | NP_001314 | NP_001436 | NP_003000 | NP_612480 |
| ## | A0.A12D.01TCGA | -0.1611022 | -1.0373558 | NA | 1.336148 | NA |
| ## | C8.A131.01TCGA | 3.0268747 | 1.8246541 | NA | 2.966156 | NA |
| ## | A0.A12B.01TCGA | -1.3582395 | 0.1466709 | NA | -1.236295 | NA |
| ## | BH.A18Q.02TCGA | 1.2959713 | -5.6490415 | -0.5105349 | -2.611435 | -0.1124345 |
| ## | C8.A130.02TCGA | -0.3595850 | -0.3727044 | 4.4126242 | 1.624736 | 0.6866932 |
| ## | C8.A138.03TCGA | -0.6799444 | 4.7033644 | -1.0676012 | 2.311595 | -1.2468010 |
| ## | | NP_001177768 | NP_057654 | NP_078908 | NP_004156 | NP_005252 |
| ## | A0.A12D.01TCGA | -2.027903 | 0.9361197 | 0.5551398 | NA | NA |
| ## | C8.A131.01TCGA | -2.340615 | 1.4036745 | -1.8953485 | NA | NA |
| ## | A0.A12B.01TCGA | 5.090980 | 0.1577567 | -0.5406547 | NA | NA |
| ## | BH.A18Q.02TCGA | -3.140005 | 0.7540194 | 0.6068226 | 1.11532067 | -0.06559913 |
| ## | C8.A130.02TCGA | -2.265189 | -0.2775882 | 0.4636621 | -0.77284843 | -0.13983374 |
| ## | C8.A138.03TCGA | -6.809310 | 2.5419952 | 1.0279396 | -0.01068797 | -1.34920090 |
| ## | | NP_054731 | NP_002815 | NP_115607 | NP_000122 | NP_065190 |
| ## | A0.A12D.01TCGA | NA | -1.95170735 | 0.24273639 | -1.0678342 | -0.5497016 |
| ## | C8.A131.01TCGA | NA | -1.01695833 | 0.80458808 | -0.5838351 | -1.2881664 |
| ## | A0.A12B.01TCGA | NA | -0.80117322 | 0.09678432 | 1.5434937 | -0.7679155 |
| ## | BH.A18Q.02TCGA | 1.5970557 | -1.80519770 | 0.44958967 | -1.3870250 | 1.9081762 |
| ## | C8.A130.02TCGA | 0.5620582 | -0.03487794 | -0.88108411 | -0.8187666 | 0.1258356 |
| ## | C8.A138.03TCGA | -0.2447449 | 3.83662243 | 0.46108298 | -1.7112577 | -0.4093161 |
| ## | | NP_660295 | NP_003491 | NP_073594 | NP_036605 | NP_775919 |
| ## | A0.A12D.01TCGA | -2.02409352 | NA | NA | -0.4696959 | 1.4961600 |
| ## | C8.A131.01TCGA | -0.03737115 | NA | NA | -0.7619418 | 1.7517922 |
| ## | A0.A12B.01TCGA | -0.44088161 | NA | NA | 2.7906569 | -1.1725507 |
| ## | BH.A18Q.02TCGA | 6.55491157 | -1.504113 | -5.250941 | 0.5666780 | -1.4271695 |
| ## | C8.A130.02TCGA | -1.91752267 | -2.658773 | -1.694492 | 0.2176720 | -0.1135948 |

| | | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|------------|
| ## | C8.A138.03TCGA | 2.81993775 | 2.483481 | 3.756165 | -1.2468010 | 0.5854257 | 0.5707972 |
| ## | | NP_004995 | NP_004442 | NP_004443 | NP_001191455 | NP_001017420 | |
| ## | A0.A12D.01TCGA | 0.7875375 | 0.89421188 | -2.72128658 | 2.91721471 | | NA |
| ## | C8.A131.01TCGA | 0.6831517 | 0.33503390 | -1.26387907 | 0.38360847 | | NA |
| ## | A0.A12B.01TCGA | -3.3952728 | 0.05244074 | 0.02749747 | 0.31850223 | | NA |
| ## | BH.A18Q.02TCGA | -0.8417277 | -1.77508926 | 0.07490691 | -0.33992045 | | -1.554294 |
| ## | C8.A130.02TCGA | -1.5272183 | -1.39274365 | -0.74332962 | -0.09391558 | | -1.753529 |
| ## | C8.A138.03TCGA | 0.4208545 | -0.92497276 | -2.98028497 | -0.29960196 | | NA |
| ## | | NP_542399 | NP_076997 | NP_067033 | NP_002742 | NP_057315 | |
| ## | A0.A12D.01TCGA | -1.6354941 | 1.766656 | 0.2427364 | -0.6678054 | -0.08109645 | |
| ## | C8.A131.01TCGA | -0.4057283 | 0.671008 | 0.2500284 | 1.2660465 | 0.60219404 | |
| ## | A0.A12B.01TCGA | -1.9873640 | -1.344382 | 0.6095070 | 1.3328617 | -2.15642394 | |
| ## | BH.A18Q.02TCGA | 0.9614331 | -2.196607 | 0.4730073 | 2.2627866 | 2.98873451 | |
| ## | C8.A130.02TCGA | 0.8966048 | -1.212351 | 0.6440549 | 0.4177440 | 0.41774396 | |
| ## | C8.A138.03TCGA | -0.8042872 | 1.806910 | -1.3601723 | -1.6015435 | -3.00954208 | |
| ## | | NP_005864 | NP_068380 | NP_114157 | NP_006820 | NP_057124 | NP_060956 |
| ## | A0.A12D.01TCGA | -0.4773155 | | NA | 1.0351744 | -5.582445 | 2.3571744 |
| ## | C8.A131.01TCGA | 2.6787570 | | NA | 0.7074389 | -3.737134 | -0.9440965 |
| ## | A0.A12B.01TCGA | -2.3088550 | | NA | -1.5245279 | 2.272391 | -0.7706870 |
| ## | BH.A18Q.02TCGA | | NA | -5.7560937 | 0.3358467 | -4.110166 | -0.7045671 |
| ## | C8.A130.02TCGA | | NA | -0.8351659 | 1.0441989 | 1.378746 | -0.9171627 |
| ## | C8.A138.03TCGA | -0.6104588 | -1.7002863 | | NA | 4.023137 | 1.7886245 |
| ## | | NP_001159894 | NP_079375 | NP_060351 | NP_004994 | NP_612448 | |
| ## | A0.A12D.01TCGA | | NA | 3.5839294 | -0.3554019 | -1.61644511 | -3.2127505 |
| ## | C8.A131.01TCGA | | NA | 1.5898770 | -1.1302990 | -1.51484769 | -1.0210062 |
| ## | A0.A12B.01TCGA | | NA | -1.7102166 | 1.5434937 | 1.78738339 | -1.5882718 |
| ## | BH.A18Q.02TCGA | -0.7614386 | 1.4431681 | 0.8510355 | -0.19272364 | -1.5375672 | |
| ## | C8.A130.02TCGA | -0.7498894 | -0.4153427 | -1.6912117 | 1.27378974 | 1.3000287 | |
| ## | C8.A138.03TCGA | | NA | 0.9950253 | -0.9761727 | 0.08805479 | 0.9657682 |
| ## | | NP_004365 | NP_060797 | NP_001093148 | NP_055508 | NP_115707 | |
| ## | A0.A12D.01TCGA | 0.8027767 | 2.2771686 | -0.2830158 | -1.0906930 | -1.0906930 | |
| ## | C8.A131.01TCGA | 0.2257411 | 1.0434131 | 0.4605182 | 1.1243707 | 1.1243707 | |
| ## | A0.A12B.01TCGA | -3.9412531 | -3.1347542 | -1.4690984 | -2.5444303 | -2.5444303 | |
| ## | BH.A18Q.02TCGA | 0.2221037 | -0.8985992 | -3.2370211 | -0.1492337 | -0.1492337 | |
| ## | C8.A130.02TCGA | 0.4538225 | 1.1524346 | -2.7768483 | 0.9884411 | 0.9884411 | |
| ## | C8.A138.03TCGA | 1.4375391 | 2.7687378 | 0.4098830 | 3.7744511 | | NA |
| ## | | NP_776169 | NP_003092 | NP_001071639 | NP_001071640 | NP_001071641 | |
| ## | A0.A12D.01TCGA | -0.8735345 | -0.09633564 | -0.46207627 | -0.2563472 | -0.2563472 | |
| ## | C8.A131.01TCGA | -0.3814410 | 0.38765635 | 0.03953859 | 1.0838919 | -1.0007668 | |
| ## | A0.A12B.01TCGA | 3.8853891 | -2.07605120 | -1.82384707 | -1.7434743 | -1.9042198 | |
| ## | BH.A18Q.02TCGA | | NA | 1.03837688 | 1.34949739 | -0.2127959 | 1.3494974 |
| ## | C8.A130.02TCGA | | NA | -2.01263887 | -0.83516594 | -0.1988714 | -0.8351659 |
| ## | C8.A138.03TCGA | | NA | -1.53937214 | -1.07491546 | -1.4040580 | -1.1882868 |
| ## | | NP_003907 | NP_001107648 | NP_001182760 | NP_699198 | NP_001107595 | |
| ## | A0.A12D.01TCGA | 0.05986608 | 1.3018603 | | NA | 0.62752601 | -0.1230042 |
| ## | C8.A131.01TCGA | 1.14461008 | 2.3954053 | | NA | -0.64860117 | 0.3066987 |
| ## | A0.A12B.01TCGA | -1.69358780 | -2.7412049 | | NA | -0.09999032 | -1.0450629 |
| ## | BH.A18Q.02TCGA | 2.21595130 | -0.1994144 | 0.09163381 | -1.04914140 | 0.2622483 | |
| ## | C8.A130.02TCGA | 0.27670960 | 0.1192759 | 0.95892233 | 0.84740679 | 0.7621302 | |
| ## | C8.A138.03TCGA | -1.24314387 | -3.2691990 | 0.73536842 | 1.69353888 | -0.7896586 | |
| ## | | NP_001091110 | NP_002025 | NP_000141 | NP_004060 | NP_113601 | |
| ## | A0.A12D.01TCGA | 1.0008862 | 1.008506 | 1.008506 | 0.6808632 | 3.7248919 | |
| ## | C8.A131.01TCGA | 0.8531627 | 1.071748 | 1.071748 | 1.1931847 | -0.9198092 | |
| ## | A0.A12B.01TCGA | 2.4663945 | 1.460349 | 1.460349 | -1.9014483 | 3.5583552 | |

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|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | BH.A18Q.02TCGA | NA | NA | NA | -0.0722899 | NA |
| ## | C8.A130.02TCGA | NA | NA | NA | 0.1061564 | NA |
| ## | C8.A138.03TCGA | NA | NA | NA | 0.7097684 | -0.2776591 |
| ## | | NP_653192 | NP_004657 | NP_150592 | NP_076957 | NP_003603 |
| ## | A0.A12D.01TCGA | -1.40690621 | NA | 0.03700729 | 0.08653467 | NA |
| ## | C8.A131.01TCGA | 0.46051820 | NA | 3.52881195 | -0.78218124 | NA |
| ## | A0.A12B.01TCGA | 0.72036594 | NA | -1.48572726 | 0.21595770 | NA |
| ## | BH.A18Q.02TCGA | -0.08232604 | NA | -1.26324584 | -2.41071182 | -2.9660452 |
| ## | C8.A130.02TCGA | -0.60229525 | NA | 0.58173741 | -0.37598430 | -0.5038992 |
| ## | C8.A138.03TCGA | -0.50074462 | NA | -0.77868719 | NA | -1.5942292 |
| ## | | NP_057179 | NP_005759 | NP_054890 | NP_001017927 | NP_001137530 |
| ## | A0.A12D.01TCGA | -2.34030676 | -2.8051021 | 0.3646499 | -1.3878572 | NA |
| ## | C8.A131.01TCGA | -0.11832877 | -3.2392450 | -1.6808108 | -0.3854889 | NA |
| ## | A0.A12B.01TCGA | -1.67695896 | -4.5094053 | -0.3133938 | 0.4570759 | NA |
| ## | BH.A18Q.02TCGA | 0.03810771 | 0.5265335 | 2.1691160 | -2.0427198 | -0.3800650 |
| ## | C8.A130.02TCGA | -0.40222325 | -1.4550612 | 1.1458749 | 1.3820254 | 0.6604543 |
| ## | C8.A138.03TCGA | -1.60154350 | 1.5326248 | 2.1067956 | -1.0529726 | 1.7081674 |
| ## | | XP_003403688 | NP_057520 | NP_003453 | NP_065798 | NP_064573 |
| ## | A0.A12D.01TCGA | NA | NA | NA | 2.0295317 | 0.9018315 |
| ## | C8.A131.01TCGA | NA | NA | NA | 2.1282451 | 0.6831517 |
| ## | A0.A12B.01TCGA | NA | NA | NA | -2.7301190 | -2.6746896 |
| ## | BH.A18Q.02TCGA | -0.3800650 | NA | -3.1466958 | -4.2841257 | 0.4629712 |
| ## | C8.A130.02TCGA | 0.6604543 | NA | 0.5784575 | -0.6810121 | 0.3554265 |
| ## | C8.A138.03TCGA | 1.6240532 | 2.600509 | 1.4741105 | -0.9103442 | -1.2138868 |
| ## | | NP_003809 | NP_620134 | NP_115893 | NP_057098 | NP_849144 |
| ## | A0.A12D.01TCGA | 1.5418776 | 1.4580620 | -2.3364970 | NA | 9.2567189 |
| ## | C8.A131.01TCGA | -0.5312126 | -0.2923876 | 0.1893102 | NA | 0.8126838 |
| ## | A0.A12B.01TCGA | -2.6331174 | -0.3133938 | -0.9092607 | NA | -1.0284341 |
| ## | BH.A18Q.02TCGA | -11.5001143 | 3.4704695 | 0.1685776 | NA | NA |
| ## | C8.A130.02TCGA | -4.5348580 | 0.1881531 | -0.3825440 | NA | NA |
| ## | C8.A138.03TCGA | 2.4907952 | 1.2875964 | NA | 0.08074051 | NA |
| ## | | NP_079508 | NP_073208 | NP_851030 | NP_001157915 | NP_112174 |
| ## | A0.A12D.01TCGA | 0.02176810 | NA | NA | 1.10375078 | 2.9248343 |
| ## | C8.A131.01TCGA | 0.40384787 | NA | NA | -1.06958079 | 0.4726618 |
| ## | A0.A12B.01TCGA | -1.42475484 | NA | NA | -0.04178937 | 1.3411761 |
| ## | BH.A18Q.02TCGA | -2.00257523 | -1.6747278 | -0.02210917 | 0.01134465 | -1.1227398 |
| ## | C8.A130.02TCGA | 0.02087983 | 0.4505427 | 0.43742318 | -0.88436398 | -0.9762003 |
| ## | C8.A138.03TCGA | 1.44851056 | -0.1496593 | -0.14965926 | NA | 0.1685119 |
| ## | | NP_653198 | NP_060109 | NP_001136024 | NP_059453 | XP_001717815 |
| ## | A0.A12D.01TCGA | -0.6106584 | -1.89456038 | 2.513376 | -1.018307 | 0.09415427 |
| ## | C8.A131.01TCGA | -1.5431829 | 0.42408728 | -4.360508 | -0.179047 | 1.58582910 |
| ## | A0.A12B.01TCGA | -0.1360195 | 0.39056055 | 8.289261 | -4.800410 | 0.32958813 |
| ## | BH.A18Q.02TCGA | -0.0722899 | -0.85176387 | 2.262787 | -2.363876 | 0.28232058 |
| ## | C8.A130.02TCGA | -1.0221185 | 0.04383891 | 2.339747 | 1.490261 | -0.79908738 |
| ## | C8.A138.03TCGA | 0.6439399 | 2.32256682 | NA | 1.635025 | -0.46417323 |
| ## | | NP_001157787 | XP_003119912 | XP_003960344 | XP_003960355 | NP_588609 |
| ## | A0.A12D.01TCGA | 0.8370649 | 0.09415427 | 0.8370649 | 0.8370649 | -1.094503 |
| ## | C8.A131.01TCGA | 1.6546431 | 1.58582910 | 0.8855457 | 0.8855457 | -1.591757 |
| ## | A0.A12B.01TCGA | -0.6321133 | 0.32958813 | 1.5324078 | 1.5324078 | -3.386958 |
| ## | BH.A18Q.02TCGA | 0.2823206 | 0.28232058 | 0.2823206 | 0.5365696 | NA |
| ## | C8.A130.02TCGA | -1.0024393 | -1.00243926 | -0.7990874 | -1.1828320 | NA |
| ## | C8.A138.03TCGA | -0.4641732 | -0.46417323 | -0.4641732 | -0.4641732 | NA |
| ## | | NP_001177757 | NP_001002274 | NP_001257820 | XP_003960691 | NP_733745 |
| ## | A0.A12D.01TCGA | 0.6618142 | 0.6618142 | -0.6449466 | -0.46969586 | 5.065941 |

| | | | | | | |
|----|----------------|--------------|-------------|--------------|--------------|--------------|
| ## | C8.A131.01TCGA | -0.4300156 | -0.4300156 | -0.6728885 | 1.49272784 | 3.387136 |
| ## | A0.A12B.01TCGA | -1.0007193 | -1.0007193 | 1.8816135 | -0.34665150 | -3.982825 |
| ## | BH.A18Q.02TCGA | 0.6469672 | 0.6469672 | 0.8543809 | -0.51388030 | -2.260170 |
| ## | C8.A130.02TCGA | -1.6190546 | -1.6190546 | 1.7264116 | 1.09995669 | 1.273790 |
| ## | C8.A138.03TCGA | 1.2181108 | 1.2181108 | -3.6019986 | -0.07651647 | NA |
| ## | YP_003024029 | NP_006867 | NP_057133 | NP_001091081 | NP_620133 | |
| ## | A0.A12D.01TCGA | 2.0257219 | -0.4925547 | -1.7726468 | 3.0886556 | 0.7761081 |
| ## | C8.A131.01TCGA | 0.1447835 | -1.1424426 | -0.2357173 | -0.4502550 | 0.7357741 |
| ## | A0.A12B.01TCGA | -2.1758243 | 2.5966538 | 1.1139152 | -1.3554680 | 0.7369948 |
| ## | BH.A18Q.02TCGA | 1.5669472 | -0.5674064 | -0.8751815 | -0.5841333 | 0.4863889 |
| ## | C8.A130.02TCGA | -1.1106749 | -0.7892478 | -0.3300661 | -1.2484294 | 1.2803495 |
| ## | C8.A138.03TCGA | 2.9662233 | 1.8581101 | -0.2959448 | 0.8853111 | -1.3821152 |
| ## | NP_997264 | NP_001161414 | NP_071890 | NP_001021 | NP_057004 | |
| ## | A0.A12D.01TCGA | -0.5725604 | -0.6944740 | -0.9230618 | 0.63133581 | 0.277024577 |
| ## | C8.A131.01TCGA | -0.1830949 | 0.9584076 | 0.8774499 | -0.36120162 | -0.361201624 |
| ## | A0.A12B.01TCGA | 0.5291342 | -1.2002655 | -0.6986287 | 0.07184106 | 0.980884488 |
| ## | BH.A18Q.02TCGA | -0.8283462 | -2.1932620 | 2.4133288 | -0.39344655 | -0.002036877 |
| ## | C8.A130.02TCGA | -0.8909237 | 1.3164280 | -1.5829760 | 0.83428731 | -0.234949940 |
| ## | C8.A138.03TCGA | 0.6878256 | -0.2959448 | 1.3497678 | 0.59273999 | 0.446454428 |
| ## | NP_004173 | NP_997698 | NP_065950 | NP_079051 | NP_113650 | |
| ## | A0.A12D.01TCGA | 1.10756058 | 0.1322522 | NA | -1.14403014 | 0.3456009 |
| ## | C8.A131.01TCGA | -0.78218124 | 0.7276783 | NA | -0.48263805 | 0.3714648 |
| ## | A0.A12B.01TCGA | 0.17161412 | -0.8094876 | NA | 0.80073869 | -0.4990826 |
| ## | BH.A18Q.02TCGA | -1.27662737 | -3.3507641 | -5.5453346 | -0.07898066 | -0.6844948 |
| ## | C8.A130.02TCGA | 0.04711878 | 0.1291155 | 0.7162120 | 0.58173741 | -0.4153427 |
| ## | C8.A138.03TCGA | -0.89937278 | 4.2425649 | -0.2045163 | 0.17582613 | 0.5890829 |
| ## | NP_065145 | NP_004863 | NP_055060 | NP_689578 | NP_115879 | |
| ## | A0.A12D.01TCGA | -0.8430561 | 1.13422916 | 0.50942226 | 0.83706491 | -0.3173039 |
| ## | C8.A131.01TCGA | -0.0697542 | -0.70931938 | 0.07596952 | -0.30453129 | -0.3531059 |
| ## | A0.A12B.01TCGA | -2.2257108 | 0.03304042 | 0.87556848 | -0.66537099 | 0.7009656 |
| ## | BH.A18Q.02TCGA | -3.4444348 | -2.02933828 | 0.48638887 | -0.37671964 | -1.2599005 |
| ## | C8.A130.02TCGA | 2.1199959 | -1.12379440 | -0.74988935 | 1.75921033 | -0.3267863 |
| ## | C8.A138.03TCGA | 0.9438254 | -2.13548582 | -2.18302863 | -0.02531652 | 0.3842831 |
| ## | NP_001165419 | NP_067652 | NP_066979 | NP_006173 | NP_001265358 | |
| ## | A0.A12D.01TCGA | -0.28301575 | 0.6656240 | 4.0601542 | NA | -1.5173904 |
| ## | C8.A131.01TCGA | 0.06787375 | 0.2500284 | 0.9867427 | NA | 3.7797806 |
| ## | A0.A12B.01TCGA | 0.36561729 | 0.3129593 | -1.3859542 | NA | -1.4192119 |
| ## | BH.A18Q.02TCGA | -0.71460321 | 0.1853045 | 0.3693005 | 1.3896420 | 0.2488668 |
| ## | C8.A130.02TCGA | -0.39238365 | 0.7326114 | -2.0355979 | -0.1463935 | -0.6908517 |
| ## | C8.A138.03TCGA | -1.56862925 | -1.6381149 | 1.0242824 | -0.3508019 | 1.2802822 |
| ## | NP_001265356 | NP_001075106 | NP_006856 | NP_005865 | NP_001074919 | |
| ## | A0.A12D.01TCGA | -1.5173904 | 1.6104539 | -0.1572924 | -0.1572924 | -0.1572924 |
| ## | C8.A131.01TCGA | 3.7797806 | 1.3793872 | 2.9094862 | 2.9094862 | 2.9094862 |
| ## | A0.A12B.01TCGA | -1.4192119 | -3.4839599 | -1.3582395 | -1.3582395 | -1.3582395 |
| ## | BH.A18Q.02TCGA | 0.2488668 | 0.7640556 | NA | NA | -13.2865482 |
| ## | C8.A130.02TCGA | -0.6908517 | 2.9071644 | NA | NA | 1.1852333 |
| ## | C8.A138.03TCGA | 1.2802822 | -4.0957124 | NA | NA | NA |
| ## | NP_079203 | NP_001004125 | NP_065907 | NP_116130 | NP_065944 | |
| ## | A0.A12D.01TCGA | 0.6351456 | 0.09034447 | 17.623036 | 1.86952021 | -1.5059610 |
| ## | C8.A131.01TCGA | 2.2415858 | 0.14883137 | 2.541129 | 1.39153082 | 3.1037845 |
| ## | A0.A12B.01TCGA | 0.7563951 | 0.29355897 | -3.104268 | -1.85710476 | -1.0783206 |
| ## | BH.A18Q.02TCGA | 0.1150515 | -1.28331813 | -2.772013 | -0.08232604 | -0.8049285 |
| ## | C8.A130.02TCGA | 1.0343593 | -0.93028214 | 1.880565 | -0.31038692 | 0.6407750 |
| ## | C8.A138.03TCGA | NA | 1.63868180 | 1.126682 | 1.01696814 | 0.3330831 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_001240605 | NP_789744 | NP_060108 | NP_112578 | NP_006020 |
| ## | AO.A12D.01TCGA | -0.2906354 | NA | 0.8180159 | 0.1817796 | -1.2354653 |
| ## | C8.A131.01TCGA | 0.8734021 | NA | -0.3854889 | 0.5009970 | -0.1992864 |
| ## | AO.A12B.01TCGA | -1.4995846 | NA | -0.6321133 | -0.8011732 | 0.1189561 |
| ## | BH.A18Q.02TCGA | 0.5834049 | 1.0417223 | -0.6075510 | 0.5198427 | NA |
| ## | C8.A130.02TCGA | 2.2675900 | 0.2963888 | 0.8047685 | 0.3783855 | NA |
| ## | C8.A138.03TCGA | -0.8591443 | 2.6114808 | 0.2014261 | 0.2014261 | 3.4160514 |
| ## | | NP_001191375 | NP_689985 | NP_061817 | NP_006510 | NP_001018060 |
| ## | AO.A12D.01TCGA | -2.3326872 | -0.8544855 | -1.9021800 | 0.4865635 | -0.9611598 |
| ## | C8.A131.01TCGA | -0.8226600 | -1.0533893 | 0.5455237 | 1.7113134 | -0.9886232 |
| ## | AO.A12B.01TCGA | -0.9702331 | -1.0755491 | -3.5116747 | -0.5240258 | 1.3827482 |
| ## | BH.A18Q.02TCGA | 0.2187583 | 0.1150515 | -2.3872941 | 0.4362081 | 1.5468749 |
| ## | C8.A130.02TCGA | -0.6449335 | -0.7039712 | -1.1861119 | -0.0709565 | -0.3267863 |
| ## | C8.A138.03TCGA | 0.5378829 | -0.7128587 | 2.7650807 | 1.6021104 | 0.4281687 |
| ## | | NP_006518 | NP_653201 | NP_071894 | NP_004217 | NP_072088 |
| ## | AO.A12D.01TCGA | -1.460243 | -1.8526526 | -1.5707275 | 1.2028055 | -0.32111374 |
| ## | C8.A131.01TCGA | 1.120323 | 2.5613684 | -1.4784168 | 2.0027608 | 0.91388087 |
| ## | AO.A12B.01TCGA | -1.300039 | 0.4681618 | -0.8482883 | -2.6802325 | 0.98642743 |
| ## | BH.A18Q.02TCGA | 0.355919 | -2.5211094 | -2.4274387 | 1.8379231 | 0.04479847 |
| ## | C8.A130.02TCGA | 1.854327 | 0.3226278 | -3.4984195 | -0.5694966 | -1.10739506 |
| ## | C8.A138.03TCGA | -2.621885 | 0.5671400 | -0.8481728 | 0.8889683 | NA |
| ## | | NP_003122 | NP_057485 | NP_821158 | NP_004770 | NP_036592 |
| ## | AO.A12D.01TCGA | -0.13443363 | -0.51160364 | 0.09796406 | 0.6427652 | -0.27158636 |
| ## | C8.A131.01TCGA | -0.09404148 | 0.07596952 | 2.54112900 | -0.1669033 | -1.25173543 |
| ## | AO.A12B.01TCGA | -0.70971458 | 0.70650857 | -2.05387941 | -1.2473805 | 2.23913363 |
| ## | BH.A18Q.02TCGA | -0.28639433 | 0.51315193 | -0.61089638 | -0.7012217 | -1.04914140 |
| ## | C8.A130.02TCGA | 0.77524967 | -0.71053093 | 1.08027747 | -0.6580530 | 2.49718083 |
| ## | C8.A138.03TCGA | -0.25937343 | -0.23377346 | NA | 2.1762813 | 0.07708337 |
| ## | | NP_005793 | NP_036351 | NP_996261 | NP_055239 | NP_002505 |
| ## | AO.A12D.01TCGA | 0.86754329 | NA | 2.2809784 | 1.5533070 | NA |
| ## | C8.A131.01TCGA | 0.18121442 | NA | 1.1648495 | 0.2500284 | NA |
| ## | AO.A12B.01TCGA | 0.60673551 | NA | -0.5129399 | -0.2856791 | NA |
| ## | BH.A18Q.02TCGA | -0.25294052 | 2.7512124 | 0.8476901 | -4.1101658 | 0.6670395 |
| ## | C8.A130.02TCGA | -0.02503833 | -0.4350219 | 0.7030926 | -0.3464655 | -0.8154867 |
| ## | C8.A138.03TCGA | -0.78965861 | -0.6762873 | -0.5190303 | 0.2197118 | -0.4641732 |
| ## | | NP_005082 | NP_057283 | NP_064574 | NP_114403 | NP_009011 |
| ## | AO.A12D.01TCGA | -1.5554883 | -0.4239783 | -1.2468947 | 1.46187181 | -0.38588030 |
| ## | C8.A131.01TCGA | 4.5488779 | 0.5333801 | -0.2114300 | -0.77408548 | -0.07784996 |
| ## | AO.A12B.01TCGA | 0.3822461 | 0.5402201 | -1.5106705 | 0.83399637 | 0.40164645 |
| ## | BH.A18Q.02TCGA | -5.6858407 | 1.3428066 | -0.3533020 | 1.36956969 | 1.85130467 |
| ## | C8.A130.02TCGA | -4.6693326 | 0.2832693 | 0.4013446 | 1.09011708 | 0.54237898 |
| ## | C8.A138.03TCGA | -11.6001620 | -2.0623430 | 0.2123975 | -0.05457364 | -1.07857260 |
| ## | | NP_060553 | NP_004282 | NP_001161707 | NP_001124336 | NP_001258448 |
| ## | AO.A12D.01TCGA | 0.1665404 | -6.957782 | NA | 1.1532782 | NA |
| ## | C8.A131.01TCGA | 0.4767097 | -6.959248 | NA | 1.3793872 | NA |
| ## | AO.A12B.01TCGA | -1.3748683 | 3.328323 | NA | -0.4824537 | NA |
| ## | BH.A18Q.02TCGA | -2.2802419 | -13.313311 | -0.2529405 | 1.8814131 | NA |
| ## | C8.A130.02TCGA | 0.4603823 | -12.295028 | -0.1004753 | 0.1947129 | NA |
| ## | C8.A138.03TCGA | -0.6104588 | -10.894334 | 0.8560540 | NA | 2.403024 |
| ## | | NP_001129425 | NP_001257965 | NP_000560 | NP_001158243 | NP_003036 |
| ## | AO.A12D.01TCGA | -0.3477823 | 0.7684885 | 1.1113704 | -0.2144394 | 0.4560851 |
| ## | C8.A131.01TCGA | -2.9154145 | 0.9786470 | -0.4988296 | -2.4377645 | 0.9260245 |
| ## | AO.A12B.01TCGA | -0.4547390 | -3.9052240 | -1.5993577 | 2.3305923 | -0.5129399 |
| ## | BH.A18Q.02TCGA | -0.8852177 | -0.1191252 | 1.2257183 | -0.8015831 | -1.0023061 |

```

## C8.A130.02TCGA    0.6866932   -0.1824720   0.1192759   -2.2159907  -0.8253263
## C8.A138.03TCGA    -0.7018873   -1.6673720  -2.0989144    1.3534249   2.0738814
##                  NP_003755   NP_114413   NP_057461   NP_061859   NP_065974
## AO.A12D.01TCGA    0.6046672  -0.46207627  -2.2183932   0.7303906   4.022056
## C8.A131.01TCGA    1.1081792   0.74386987   2.6989964   1.0798440  -1.875109
## AO.A12B.01TCGA    0.9697986  -0.24687844  -0.3494230  -0.6570566  -1.083864
## BH.A18Q.02TCGA   -3.4210171   0.48304349   0.1183969   0.1652322  -3.053025
## C8.A130.02TCGA   -1.1073951  -0.08407597   4.6225359   2.3463069  -3.885444
## C8.A138.03TCGA          NA  -0.86280139          NA  -1.9892003  -2.687714
##                  NP_061118   NP_079231   NP_079526   NP_777579   NP_001006611
## AO.A12D.01TCGA   -0.3134941   0.3303618   1.4999698   0.4332263   0.8332551
## C8.A131.01TCGA   -1.4824646   0.9341203   7.9855288   1.3753393   1.8003668
## AO.A12B.01TCGA   -1.8931339   3.0123748  -0.2884505  -0.8787745  -0.5351117
## BH.A18Q.02TCGA   -0.2897397   0.8376540          NA  -4.4815032  -1.5442579
## C8.A130.02TCGA    0.9556425   0.1323954          NA   2.6218158   1.1294755
## C8.A138.03TCGA   -1.0420012          NA          NA   1.1888537   0.5671400
##                  NP_005058   NP_001744   NP_115678   NP_001034761   NP_291035
## AO.A12D.01TCGA          NA  -0.07728665  -0.48112526    1.3132897   3.0315087
## C8.A131.01TCGA          NA  -1.19911298  -0.88337826   -0.1264245  -1.1667299
## AO.A12B.01TCGA          NA  -4.39854631   0.01641158   -0.5461976  -0.8538312
## BH.A18Q.02TCGA   -3.3039288  -4.92978436   0.31242902    0.6469672   0.6469672
## C8.A130.02TCGA   -0.3727044  -0.97620030  -0.74332962   -0.6514933  -0.6514933
## C8.A138.03TCGA   -1.2212010   0.83776832  -0.30325910    1.0169681   2.3225668
##                  NP_114124   NP_057550   NP_113640   NP_001244030   NP_660143
## AO.A12D.01TCGA   -0.001090689  -0.8011483  -0.09252584   -0.8621051   1.4352032
## C8.A131.01TCGA    0.994838487   1.0393652   0.93412027   -1.2760227  -1.6767629
## AO.A12B.01TCGA   -1.530070844   0.8949688  -1.38318273    0.5319057  -1.3083529
## BH.A18Q.02TCGA   -1.079249836  -1.7048362   0.54326037    1.4130596   0.0949792
## C8.A130.02TCGA   -1.008998993   0.3718258   1.11963590   -0.8286062   0.6768536
## C8.A138.03TCGA   -0.069202195  -0.4568589   0.28919744   -0.1057736  -0.9249728
##                  NP_001099033   NP_067037   NP_112490   NP_001010989   NP_001628
## AO.A12D.01TCGA          NA  -0.3973097          NA  -0.30968434   2.1857335
## C8.A131.01TCGA          NA   0.8005402          NA   0.44432668   2.4480277
## AO.A12B.01TCGA          NA   0.5125054          NA  -2.04556498  -1.7656461
## BH.A18Q.02TCGA   -10.2924315  -0.3666835          NA  -3.51468783   1.6940717
## C8.A130.02TCGA    2.6972528  -0.4809401          NA   1.13603525  -0.4219025
## C8.A138.03TCGA    0.1173119          NA   0.5488543   0.05879768   5.8590204
##                  NP_001170977   NP_000791   NP_078995   NP_116257   NP_057568
## AO.A12D.01TCGA    3.1572320   0.006528907  -0.2144394  -0.98020882  -0.1115748
## C8.A131.01TCGA    2.0877663   0.177166539  -0.4097762   0.03953859   0.3471775
## AO.A12B.01TCGA   -4.7228087   0.019183053   4.0932496   0.08292695   0.1882430
## BH.A18Q.02TCGA    0.7339471   1.178882920  -4.4748124  -0.94543456  -0.1124345
## C8.A130.02TCGA   -0.4645408  -0.740049746  -3.2327501   0.12911550  -0.2710285
## C8.A138.03TCGA    2.6224522   0.281883165   3.3173087   1.20348224   0.4208545
##                  NP_899229   NP_055676   NP_004100   NP_060844   NP_940848
## AO.A12D.01TCGA          NA  13.5198830   0.4027479   2.4219409  -0.4011195
## C8.A131.01TCGA          NA   6.1680303   1.8165583   1.0393652   0.3390818
## AO.A12B.01TCGA          NA   0.7314518   2.4054221  -0.2413355  -0.8344309
## BH.A18Q.02TCGA   2.443437264          NA   2.3096220  -1.5743664  -1.4271695
## C8.A130.02TCGA   0.004480487          NA  -0.8318861  -0.9893198   1.4640221
## C8.A138.03TCGA   1.598453265  -1.3345723   0.3879402   1.3790249  -1.9270289
##                  NP_055812   NP_066918   NP_004405   NP_001238907   NP_001238911
## AO.A12D.01TCGA          NA   0.05986608   3.7667997          NA          NA
## C8.A131.01TCGA          NA   1.04341306   0.5333801          NA          NA

```

| | | | | | | |
|----|----------------|--------------|--------------|-------------|--------------|---------------------|
| ## | AO.A12B.01TCGA | NA | -1.13375008 | 0.2021003 | NA | NA |
| ## | BH.A18Q.02TCGA | -2.106282 | -0.75140241 | -0.7948924 | -0.4034827 | -1.35022577 |
| ## | C8.A130.02TCGA | 1.227872 | -1.75680909 | 1.0146801 | -0.4973395 | -0.49077971 |
| ## | C8.A138.03TCGA | 1.536282 | -0.36543047 | -0.9578870 | -0.1642878 | 0.09536907 |
| ## | | NP_001776 | NP_115656 | NP_001541 | NP_065078 | NP_001138505 |
| ## | AO.A12D.01TCGA | -0.89639326 | NA | 1.4352032 | 1.1723271 | -0.15348262 |
| ## | C8.A131.01TCGA | 5.55275241 | NA | -0.8105164 | -1.5998532 | -0.61217024 |
| ## | AO.A12B.01TCGA | -0.09721885 | NA | -0.7762299 | 2.1310461 | -0.76237258 |
| ## | BH.A18Q.02TCGA | -1.92563145 | 0.1953407 | -1.4773503 | -0.4202096 | 0.52653346 |
| ## | C8.A130.02TCGA | -1.67153250 | 1.3689059 | -0.3169467 | -1.9142428 | 0.94908272 |
| ## | C8.A138.03TCGA | -2.33662848 | NA | -0.1460021 | 2.6370808 | -0.03994508 |
| ## | | NP_061993 | NP_061758 | NP_061760 | NP_061759 | NP_061763 NP_061756 |
| ## | AO.A12D.01TCGA | 2.0562003 | NA | NA | NA | NA NA |
| ## | C8.A131.01TCGA | 2.4075489 | NA | NA | NA | NA NA |
| ## | AO.A12B.01TCGA | -0.1193906 | NA | NA | NA | NA NA |
| ## | BH.A18Q.02TCGA | -0.9119807 | -0.9119807 | -0.9119807 | -0.9119807 | 0.496425 -2.317041 |
| ## | C8.A130.02TCGA | -0.7400497 | -0.7400497 | -0.7400497 | -0.7400497 | -1.415703 -1.415703 |
| ## | C8.A138.03TCGA | -2.7498852 | -0.5336589 | -2.7498852 | -2.7498852 | -1.085887 -2.749885 |
| ## | | NP_061761 | NP_061754 | NP_056484 | NP_001129691 | NP_963857 |
| ## | AO.A12D.01TCGA | NA | NA | NA | 0.09034447 | 0.5437104 |
| ## | C8.A131.01TCGA | NA | NA | NA | 1.10008339 | -0.1426161 |
| ## | AO.A12B.01TCGA | NA | NA | NA | -1.35823946 | -2.4280284 |
| ## | BH.A18Q.02TCGA | -0.9119807 | -0.9119807 | -2.317041 | 1.61378256 | 1.0116138 |
| ## | C8.A130.02TCGA | -0.7400497 | -0.7400497 | -1.415703 | -0.09719545 | -0.6449335 |
| ## | C8.A138.03TCGA | -0.5336589 | -2.7498852 | -2.749885 | 0.43548301 | 0.9109111 |
| ## | | NP_001555 | NP_060520 | NP_056203 | NP_006262 | NP_079412 |
| ## | AO.A12D.01TCGA | NA | -1.353569 | -0.03918867 | -4.7061914 | 2.79530116 |
| ## | C8.A131.01TCGA | NA | -0.721463 | 0.71148682 | -4.0366775 | 0.08811316 |
| ## | AO.A12B.01TCGA | NA | 1.125001 | 0.75085216 | -0.6182559 | -0.45473898 |
| ## | BH.A18Q.02TCGA | -1.186302 | 3.420289 | -0.93539842 | 7.2373695 | -8.20825858 |
| ## | C8.A130.02TCGA | 1.352507 | -2.124154 | -1.22547034 | -0.9663607 | 0.57517767 |
| ## | C8.A138.03TCGA | NA | 2.318910 | 1.05353953 | -5.6975394 | 1.71913886 |
| ## | | NP_001017989 | NP_002719 | NP_071319 | NP_001093140 | NP_001241 |
| ## | AO.A12D.01TCGA | 3.0200793 | -2.744145 | 0.7570591 | -0.9116325 | 1.6676009 |
| ## | C8.A131.01TCGA | -0.6202660 | 1.897516 | 0.8369711 | -0.4947817 | -1.4298422 |
| ## | AO.A12B.01TCGA | -1.8460189 | -2.247883 | 1.3772053 | -0.3605089 | -3.7139923 |
| ## | BH.A18Q.02TCGA | -6.7128729 | -5.966853 | -3.0898243 | -3.7053746 | 0.8677624 |
| ## | C8.A130.02TCGA | 0.6014166 | -2.265189 | -1.1270743 | -0.6547732 | -0.5038992 |
| ## | C8.A138.03TCGA | 1.4960534 | 2.494452 | 1.5655390 | 0.9291968 | 0.7317113 |
| ## | | NP_001074011 | NP_001073379 | NP_000900 | NP_001128123 | NP_001032755 |
| ## | AO.A12D.01TCGA | NA | 0.5970476 | NA | 1.20661533 | 1.206615 |
| ## | C8.A131.01TCGA | NA | 1.1972325 | NA | -0.71336727 | 1.804415 |
| ## | AO.A12B.01TCGA | NA | 0.9226835 | NA | 1.86498465 | 1.033542 |
| ## | BH.A18Q.02TCGA | -5.3044671 | -2.3638765 | -8.348765 | 1.13873834 | -2.146427 |
| ## | C8.A130.02TCGA | -0.1037552 | -1.5632968 | -5.604095 | 0.08319734 | 3.054759 |
| ## | C8.A138.03TCGA | -0.4129733 | 0.5451972 | NA | 1.30953927 | -2.095257 |
| ## | | NP_001138536 | NP_001138535 | NP_005054 | NP_620153 | NP_004692 |
| ## | AO.A12D.01TCGA | 1.38567584 | 0.2274972 | 2.5705231 | 1.8733300 | -0.4163587 |
| ## | C8.A131.01TCGA | 0.93007239 | 0.8895936 | 0.4524224 | 1.8489414 | 2.5694642 |
| ## | AO.A12B.01TCGA | -0.33279413 | 0.1771571 | -1.6908163 | -0.8538312 | -1.3998116 |
| ## | BH.A18Q.02TCGA | -0.64435019 | -1.4606234 | -4.2305995 | 0.1719230 | -1.1729205 |
| ## | C8.A130.02TCGA | 0.94908272 | 0.8375672 | -1.6912117 | -1.0024393 | -0.9958795 |
| ## | C8.A138.03TCGA | 0.07342623 | -0.4714875 | 3.9975366 | -0.4970875 | -2.4646283 |
| ## | | NP_659498 | NP_620158 | NP_005946 | NP_060320 | NP_659449 |

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## A0.A12D.01TCGA -1.4297650 2.1971629 0.4865635 -1.0906930 2.31526660
## C8.A131.01TCGA 1.2377113 0.9988864 0.9219766 -0.8469473 1.72345705
## A0.A12B.01TCGA -0.7540582 -3.6336195 -0.6792284 1.1028293 -0.05287527
## BH.A18Q.02TCGA 0.1150515 -6.0839411 -1.0926314 0.5599873 0.45628044
## C8.A130.02TCGA 1.2049125 0.4210238 0.5489387 -1.1303541 1.34594685
## C8.A138.03TCGA 3.2258802 0.4830258 NA -1.1151440 0.76462553
## NP_071927 NP_689920 NP_477511 NP_001153777 NP_056475
## A0.A12D.01TCGA NA 0.9399295 -0.84305608 -2.2374422 NA
## C8.A131.01TCGA NA -0.9886232 -1.30031000 1.8691808 NA
## A0.A12B.01TCGA NA -1.9707352 -1.32221030 -1.3914971 NA
## BH.A18Q.02TCGA -0.7948924 -0.5473341 0.04479847 -0.4636996 NA
## C8.A130.02TCGA 0.2898291 0.3029486 1.03435931 -0.2677486 NA
## C8.A138.03TCGA NA 0.5707972 -0.39834472 NA NA
## NP_000456 NP_002342 NP_001025035 NP_004772 NP_055047
## A0.A12D.01TCGA -0.3477823 -0.4963645 -1.738359 0.07891507 -0.1230042
## C8.A131.01TCGA -0.1830949 -1.2679270 2.245634 -0.23166944 -0.9238571
## A0.A12B.01TCGA -2.1896816 -3.2456132 1.723639 0.36561729 0.9503983
## BH.A18Q.02TCGA 0.6570033 2.5337626 -2.102937 0.12174225 -0.2094506
## C8.A130.02TCGA -0.1759123 -1.8814441 2.625096 -0.95652109 -0.7203705
## C8.A138.03TCGA -3.6970842 -0.1386878 -4.589426 1.23273935 1.2437108
## NP_060294 NP_757385 NP_057556 NP_005573 NP_775889
## A0.A12D.01TCGA 2.6162406 3.3629611 -0.03537887 -1.5021512 -0.37064111
## C8.A131.01TCGA -1.0250541 -0.8388516 -0.42191984 -2.0734553 0.08406528
## A0.A12B.01TCGA -0.6986287 -1.4607840 0.03304042 -0.9619187 0.23258654
## BH.A18Q.02TCGA -0.1559244 -3.1098966 -0.89190845 NA -0.33322968
## C8.A130.02TCGA -1.8322461 -0.5826160 0.51286016 NA 0.15535446
## C8.A138.03TCGA 1.5399390 3.0210804 -0.19720207 -1.6856577 0.55616860
## NP_079411 NP_055300 NP_001008389 NP_742086 NP_067066
## A0.A12D.01TCGA 0.3494107 NA 2.0523905 -2.3098284 1.41615423
## C8.A131.01TCGA -1.0007668 NA -0.1669033 1.1122270 -0.95624012
## A0.A12B.01TCGA -2.9518369 NA -2.9490655 0.6954227 -0.04456085
## BH.A18Q.02TCGA -8.1814955 -2.631507 0.1284330 -0.7781655 3.20952971
## C8.A130.02TCGA -0.1693526 -1.415703 -0.4022233 0.3390271 -0.01847860
## C8.A138.03TCGA NA 0.592740 0.8853111 1.2875964 -1.00542982
## NP_001007468 NP_031367 NP_057131 NP_055668 NP_005688
## A0.A12D.01TCGA 1.061843 -4.82429517 0.0255779 0.7227710 0.9589784
## C8.A131.01TCGA 2.290160 -6.79328442 0.4443267 1.2498550 1.4360575
## A0.A12B.01TCGA -1.929163 -2.31439795 0.2991019 0.7259089 -1.5106705
## BH.A18Q.02TCGA -10.171998 1.15881063 0.2154129 -2.1832258 -1.7483262
## C8.A130.02TCGA 1.624736 0.01104023 0.7588503 -0.1791922 -0.7859679
## C8.A138.03TCGA 1.196168 -1.19925820 0.1685119 2.9113662 0.6878256
## NP_640339 NP_055580 NP_065727 NP_001015882 NP_001180583
## A0.A12D.01TCGA 0.8942119 -0.9154422 0.9589784 NA 2.7686326
## C8.A131.01TCGA 0.5009970 -0.6121702 1.5655897 NA 0.1812144
## A0.A12B.01TCGA 0.1688426 0.3462170 -0.1692772 NA -2.7855485
## BH.A18Q.02TCGA -1.3468804 -1.1695751 NA NA -1.3937157
## C8.A130.02TCGA -0.1791922 0.3849453 NA NA -0.5137388
## C8.A138.03TCGA 0.1063405 -0.9761727 1.7081674 1.492396 1.8946815
## NP_057145 NP_872329 NP_665805 NP_055217 NP_001472
## A0.A12D.01TCGA 0.71515137 0.7875375 -1.43357480 0.006528907 NA
## C8.A131.01TCGA 0.41599151 1.1608016 0.11240044 -0.158807578 NA
## A0.A12B.01TCGA 0.04412632 -0.2579643 0.19101443 0.044126317 NA
## BH.A18Q.02TCGA -0.27301281 1.4766219 -0.79154700 0.429517383 -24.553794
## C8.A130.02TCGA -0.05455715 -1.0286782 0.94908272 -1.389463781 1.841207

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## C8.A138.03TCGA -0.47880178 1.3534249 -0.05457364 2.147024140 3.419709
## NP_002603 NP_057339 NP_006275 NP_612427 NP_063949
## A0.A12D.01TCGA -1.4602434 2.8829265 -0.9992578 NA -1.33452005
## C8.A131.01TCGA -2.0896468 0.3471775 0.4969491 NA -0.61217024
## A0.A12B.01TCGA 1.3772053 0.5623919 0.2409010 NA -0.54065467
## BH.A18Q.02TCGA -0.3934466 NA -0.1191252 -5.63900531 0.05483462
## C8.A130.02TCGA 1.0245197 NA 1.2278716 0.01432009 -0.01847860
## C8.A138.03TCGA -0.9359442 1.3607392 -0.2520592 0.87068257 -0.96154415
## NP_000990 NP_001001790 NP_036547 NP_001018864 NP_037431
## A0.A12D.01TCGA 0.86373349 1.71712828 NA NA 0.6351456
## C8.A131.01TCGA 0.23788475 1.35509989 NA NA 1.2336635
## A0.A12B.01TCGA -1.34161062 -1.70467370 NA NA 0.5679349
## BH.A18Q.02TCGA 1.52345725 -0.86180002 -2.782049 0.2823206 0.3057383
## C8.A130.02TCGA 1.09011708 -0.08735584 1.362346 0.7916490 1.0409190
## C8.A138.03TCGA -0.08383075 2.13239558 NA -0.2264592 0.6951399
## NP_115680 NP_573438 NP_859056 NP_982293 NP_612446
## A0.A12D.01TCGA -3.140364377 -0.71733274 2.77244237 2.2276412 -0.9649696
## C8.A131.01TCGA -0.956240121 0.44837456 -0.90766555 0.9665033 -0.9360007
## A0.A12B.01TCGA 0.645536149 -2.51671554 -0.03624642 -1.5993577 -0.2551929
## BH.A18Q.02TCGA -0.503844156 NA -1.88548686 NA -0.5740972
## C8.A130.02TCGA -0.008638989 NA -0.16607269 NA 1.0441989
## C8.A138.03TCGA 0.208740382 -0.09480217 1.64233893 2.4432524 0.2087404
## NP_001171656 NP_055653 NP_061960 NP_542387 NP_004327
## A0.A12D.01TCGA NA NA 1.1342292 -1.7040705 NA
## C8.A131.01TCGA NA NA 1.1567537 -0.5352605 NA
## A0.A12B.01TCGA NA NA 0.2519869 -1.0007193 NA
## BH.A18Q.02TCGA -4.4815032 -7.1277002 0.1953407 1.4598950 NA
## C8.A130.02TCGA -0.0709565 0.6112562 -1.5960955 0.4210238 NA
## C8.A138.03TCGA 1.2181108 0.6731971 1.3973106 -0.3617733 -3.013199
## NP_997191 NP_076973 NP_001026886 NP_859064 NP_057581
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## C8.A131.01TCGA NA -1.4622252 -1.462225237 -1.46627312 -1.6565235
## A0.A12B.01TCGA NA 0.4764762 -0.687542786 -1.24183756 0.5291342
## BH.A18Q.02TCGA -1.82861537 0.1150515 -1.798506936 -0.00872764 0.9246339
## C8.A130.02TCGA 0.17831354 0.7752497 1.404984493 -0.17591230 -0.3989434
## C8.A138.03TCGA -0.00337369 0.5232543 0.472054402 2.22382406 -1.7990290
## NP_006848 NP_443731 NP_060211 NP_060827 NP_776170
## A0.A12D.01TCGA -1.6202549 1.66379111 -0.64875638 -0.3782607 -0.8544855
## C8.A131.01TCGA 0.5090928 0.54147582 -0.41787196 0.5981462 0.9503118
## A0.A12B.01TCGA 0.9282265 0.02195453 -0.05841822 1.1832021 0.4071894
## BH.A18Q.02TCGA 1.6238187 0.67373026 -0.65773172 0.3358467 -0.5205711
## C8.A130.02TCGA 0.3521466 -1.74368962 1.20491249 0.5718978 0.7883691
## C8.A138.03TCGA -0.2191449 -0.44223039 -1.02371552 0.7792541 -0.9176585
## NP_061899 NP_060935 NP_001001683 NP_005995 NP_001182225
## A0.A12D.01TCGA 1.5494972 -0.09633564 -0.08109645 0.04081709 8.6242924
## C8.A131.01TCGA -0.3854889 -2.79802594 -0.97647953 -0.06975420 0.3188424
## A0.A12B.01TCGA -3.4867314 -0.89263185 -0.27459318 -0.49353961 1.2330886
## BH.A18Q.02TCGA -3.8759891 -0.67780401 -1.78512541 -0.31315739 -12.4334759
## C8.A130.02TCGA -0.4383018 -2.06511677 0.04055904 -1.33698588 -6.4634209
## C8.A138.03TCGA 2.4249667 3.31730867 -0.29228768 -1.18828678 3.1198232
## NP_112494 NP_001252506 NP_085056 NP_733796 NP_068581
## A0.A12D.01TCGA NA NA 1.3094799 1.0770822 1.0961312
## C8.A131.01TCGA NA NA -0.8955219 1.0191258 1.3510520
## A0.A12B.01TCGA NA NA -3.9828252 -0.5295688 -0.7984017

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## BH.A18Q.02TCGA 0.4796981 0.1150515 0.2488668 -1.6345832 -2.1230090
## C8.A130.02TCGA 0.1455148 2.0215998 -2.8096470 0.8802055 1.9789615
## C8.A138.03TCGA 1.0718252 -4.1542266 1.8251959 0.6951399 1.4155963
## NP_001018024 NP_848602 NP_001073966 NP_620777 NP_060489
## AO.A12D.01TCGA 2.1323963 -2.206963827 -0.7401915 0.7494395 -0.75543073
## C8.A131.01TCGA -1.1343469 -1.239591786 -0.2842919 0.8248275 -0.11428089
## AO.A12B.01TCGA -1.3194388 0.404417921 -1.1254357 -0.5489691 -0.04456085
## BH.A18Q.02TCGA 1.1788829 -0.821655433 NA 0.4930796 -0.12581601
## C8.A130.02TCGA 0.9458029 -0.008638989 NA 0.2635901 0.57517767
## C8.A138.03TCGA -0.3178877 -1.349200903 1.9275958 -1.1919439 -0.59948737
## NP_060921 NP_060915 NP_002560 NP_116195 NP_001093254
## AO.A12D.01TCGA 0.87135309 4.749728 NA NA 0.2732148
## C8.A131.01TCGA -0.08189784 -1.150538 NA NA 0.5171885
## AO.A12B.01TCGA -4.32094504 -2.028936 NA NA -2.2340252
## BH.A18Q.02TCGA -4.67553534 -1.453933 0.2321399 0.18195913 0.2957021
## C8.A130.02TCGA -2.20287126 -1.894564 -0.6285342 -0.62197447 0.7654101
## C8.A138.03TCGA -0.92131562 1.214454 NA -0.08017361 -0.4897732
## NP_818931 NP_612206 NP_653320 NP_002988 NP_037403 NP_001534
## AO.A12D.01TCGA -1.9555171 0.07510527 -0.2906354 2.0333415 NA NA
## C8.A131.01TCGA -0.1142809 0.15692713 -0.3045313 2.2618252 NA NA
## AO.A12B.01TCGA -1.4524696 -1.82939002 -0.8233450 -1.7656461 NA NA
## BH.A18Q.02TCGA -1.3000450 -0.10574371 -4.6554630 -0.7413663 -3.939551 -4.019840
## C8.A130.02TCGA 0.5128602 -0.06767663 1.0933970 -0.9434016 2.142955 1.099957
## C8.A138.03TCGA 1.5874818 0.21605466 1.1266823 4.3669076 NA NA
## NP_001073921 NP_061977 NP_001074260 NP_003159 NP_055616
## AO.A12D.01TCGA 3.1762810 -0.3287333 -0.2258688 -0.6258976 0.7799179
## C8.A131.01TCGA 0.3674169 -0.5757393 0.1164483 -2.5430094 -0.8631389
## AO.A12B.01TCGA 0.5901067 0.7369948 0.3656173 0.5014195 -0.5766838
## BH.A18Q.02TCGA -0.2429044 -1.2565551 0.6202041 0.6770756 -1.8185792
## C8.A130.02TCGA -1.1729924 0.2111122 -0.6121349 1.5656981 -0.4481414
## C8.A138.03TCGA 3.8146796 1.7045103 1.4265677 -0.6031445 -0.1935449
## NP_055976 NP_150597 NP_001167579 NP_009099 NP_525022
## AO.A12D.01TCGA -1.60882551 -0.13824342 NA NA NA
## C8.A131.01TCGA 0.03144283 -0.35715374 NA NA NA
## AO.A12B.01TCGA -4.38191746 2.94863094 NA NA NA
## BH.A18Q.02TCGA 0.28232058 -0.71125783 1.1956098 NA 1.764325
## C8.A130.02TCGA 1.31642803 0.08319734 0.1258356 NA -0.182472
## C8.A138.03TCGA 3.32462295 -0.32885908 0.8743397 NA NA
## NP_001026909 NP_001162002 NP_115871 NP_001182412 NP_001229668
## AO.A12D.01TCGA -1.1821281 -1.1821281 NA 4.87926076 NA
## C8.A131.01TCGA -0.3652495 -0.3652495 NA 0.47266185 NA
## AO.A12B.01TCGA 1.0584858 1.0584858 NA 0.04412632 NA
## BH.A18Q.02TCGA -0.1826875 -0.1826875 -5.317849 -2.87237451 -3.8057361
## C8.A130.02TCGA -2.0683966 -2.0683966 0.640775 -4.30198733 -0.5563771
## C8.A138.03TCGA -0.8079443 -0.9652013 -1.202915 NA NA
## NP_114109 NP_003842 NP_112571 NP_001182317 NP_079540
## AO.A12D.01TCGA -0.3325431 -1.43738460 -1.700261 -1.700261 -0.04680827
## C8.A131.01TCGA -1.9439231 1.58582910 3.476189 3.476189 0.19335806
## AO.A12B.01TCGA 1.8954709 -0.62102741 -2.691318 -2.691318 -0.90648922
## BH.A18Q.02TCGA 0.2187583 2.26613203 NA NA -0.76478394
## C8.A130.02TCGA 0.1487947 0.04383891 NA NA 0.50958029
## C8.A138.03TCGA 0.4830258 -2.28908567 NA NA -0.62508735
## NP_775746 NP_056978 NP_115866 NP_690002 NP_775969
## AO.A12D.01TCGA 0.4408459 -1.9593269 -0.4506469 -1.1364105 -1.13641054

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## C8.A131.01TCGA 1.6222600 -0.8348037 -1.7658163 -0.2357173 -0.07784996
## A0.A12B.01TCGA 0.7508522 0.7009656 3.3394088 -1.6658731 -0.61271299
## BH.A18Q.02TCGA -3.7187561 -4.5484108 1.2792444 -1.2264466 0.38268204
## C8.A130.02TCGA 1.2869092 3.9370433 -0.4743804 1.7526506 1.76904994
## C8.A138.03TCGA 0.9438254 2.7285093 -0.6360588 0.5195972 -0.27034485
## NP_036477 NP_001138424 NP_001014765 NP_904320 NP_000234
## A0.A12D.01TCGA NA NA -1.109742 -1.109742 -0.2868256
## C8.A131.01TCGA NA NA -6.064666 -6.064666 6.8237870
## A0.A12B.01TCGA NA NA 1.199831 1.199831 0.5402201
## BH.A18Q.02TCGA 0.5298788 -1.463969 -1.005651 -1.025724 -2.3973303
## C8.A130.02TCGA 1.0835573 1.231151 -1.097555 -1.438662 -0.6613329
## C8.A138.03TCGA 1.4667963 NA -1.568629 -0.932287 0.6695399
## NP_054701 NP_002285 NP_001229410 NP_001841 NP_722523
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## C8.A131.01TCGA 0.4929013 0.4929013 0.7681572 2.14443667 -0.9319528
## A0.A12B.01TCGA 0.3351311 0.3351311 -0.9064892 0.08292695 0.7674810
## BH.A18Q.02TCGA -0.3533020 -0.7079124 0.2555575 -0.79154700 -0.0354907
## C8.A130.02TCGA -1.2713885 -1.2943476 1.4017046 1.00812036 -0.1660727
## C8.A138.03TCGA -1.4589151 -1.6234863 0.3001689 -0.10943073 -1.3674866
## NP_078905 NP_620160 NP_067061 NP_001107561 NP_055087
## A0.A12D.01TCGA NA NA -0.4811253 1.0123156 5.660269
## C8.A131.01TCGA NA NA -0.3207228 -0.1304724 1.367244
## A0.A12B.01TCGA NA NA -1.0118052 0.9171406 1.044628
## BH.A18Q.02TCGA -1.9256314 2.015228 1.0116138 NA NA
## C8.A130.02TCGA 0.1717538 1.017960 0.3587063 NA NA
## C8.A138.03TCGA -2.1684001 2.545652 2.8272520 0.5927400 1.188854
## NP_001028222 NP_115789 NP_995325 NP_001185903 NP_001129970
## A0.A12D.01TCGA -0.04299847 -2.3517362 0.1970188 -1.5326296 -0.915442249
## C8.A131.01TCGA -0.22357367 2.3427828 -0.5028775 -2.6684938 -1.433890070
## A0.A12B.01TCGA -0.49908256 0.4459900 -0.9064892 -0.5351117 2.513509541
## BH.A18Q.02TCGA -1.45393260 -1.7617077 -0.7882016 -0.2027598 -3.230330372
## C8.A130.02TCGA -0.39566352 -3.3311461 -2.9867599 -4.1740724 0.004480487
## C8.A138.03TCGA NA -0.9688584 -2.0733145 -2.0733145 4.304736247
## NP_005098 NP_689733 NP_848026 NP_612395 NP_001159506
## A0.A12D.01TCGA -0.3401627 0.2198776 -0.3896901 -1.23165550 0.6884828
## C8.A131.01TCGA -1.7455769 -0.3854889 -2.6320628 -1.98440188 1.9379947
## A0.A12B.01TCGA -2.1481095 3.9103324 2.3222778 -0.06396116 -0.8372024
## BH.A18Q.02TCGA -7.6462344 NA -3.5247240 -0.58078794 NA
## C8.A130.02TCGA 1.9691219 NA 0.4636621 0.19471288 NA
## C8.A138.03TCGA -0.9944584 NA -1.2321724 -2.78279946 NA
## NP_079047 NP_001182399 NP_115733 NP_055608 NP_997397
## A0.A12D.01TCGA -1.27356328 NA -0.9154422 -0.04299847 1.3856758
## C8.A131.01TCGA 1.59392486 NA 0.8369711 -0.47859017 1.5858291
## A0.A12B.01TCGA -0.33556560 NA -0.5212544 0.01364010 -0.4159383
## BH.A18Q.02TCGA 0.25555753 NA -0.3901012 0.09163381 1.5736380
## C8.A130.02TCGA 2.03471931 NA 0.3783855 -2.10119532 0.8113282
## C8.A138.03TCGA -0.01434511 NA -1.1297726 2.51273806 -0.8042872
## NP_001180265 NP_001124334 NP_004656 NP_787077 NP_001842
## A0.A12D.01TCGA NA NA -4.054716 1.2675721 NA
## C8.A131.01TCGA NA NA 7.341916 0.2055017 NA
## A0.A12B.01TCGA NA NA -2.369827 0.8533967 NA
## BH.A18Q.02TCGA -4.036567 0.6335857 NA NA -4.21721802
## C8.A130.02TCGA 1.277070 1.6214558 NA NA 0.07335773
## C8.A138.03TCGA -5.660968 NA NA NA -0.88108709

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| | | | | | | |
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| ## | | NP_065157 | NP_067032 | NP_005405 | NP_003944 | NP_008868 |
| ## | AO.A12D.01TCGA | -0.8697247 | 1.3628171 | 0.2579756 | 1.5837853 | -0.48493506 |
| ## | C8.A131.01TCGA | -0.4543029 | 0.9867427 | 1.7558401 | 0.8531627 | -1.27197483 |
| ## | AO.A12B.01TCGA | 3.4668966 | 0.9836560 | 3.8050164 | -1.8266185 | -0.88154596 |
| ## | BH.A18Q.02TCGA | -0.7212940 | 1.1688468 | NA | -1.4004065 | 0.08159767 |
| ## | C8.A130.02TCGA | 1.5853773 | -1.8453656 | NA | -1.3730644 | 0.95564246 |
| ## | C8.A138.03TCGA | -0.5592588 | -2.2488571 | NA | -0.4422304 | -0.66897302 |
| ## | | NP_008867 | NP_001002255 | NP_056321 | NP_872114 | NP_954988 |
| ## | AO.A12D.01TCGA | 1.1189900 | -3.1365546 | NA | -0.3973097 | NA |
| ## | C8.A131.01TCGA | -1.0736287 | -2.6320628 | NA | 1.2862859 | NA |
| ## | AO.A12B.01TCGA | -2.1979960 | 1.0834290 | NA | -1.3416106 | NA |
| ## | BH.A18Q.02TCGA | 0.7172202 | 3.1058229 | 1.841269 | -5.5787884 | -0.8149647 |
| ## | C8.A130.02TCGA | 0.7522906 | 0.5554985 | -2.570217 | -2.3537452 | -0.5858959 |
| ## | C8.A138.03TCGA | 0.2745689 | -0.9578870 | NA | NA | -0.9542299 |
| ## | | NP_079146 | NP_001128690 | NP_003792 | NP_060639 | NP_059129 |
| ## | AO.A12D.01TCGA | NA | -1.3230907 | 2.6276700 | -0.1153846 | 1.3666269 |
| ## | C8.A131.01TCGA | NA | -0.8995698 | 0.9300724 | 0.1650229 | -0.4178720 |
| ## | AO.A12B.01TCGA | NA | 0.9725701 | -0.4658249 | 0.2686157 | 0.2741586 |
| ## | BH.A18Q.02TCGA | NA | 0.1418145 | -0.2930851 | NA | NA |
| ## | C8.A130.02TCGA | NA | 0.7424510 | -1.2025113 | NA | NA |
| ## | C8.A138.03TCGA | NA | 0.5488543 | 0.5451972 | 0.4245116 | -1.0676012 |
| ## | | NP_112567 | NP_057155 | NP_002013 | NP_872433 | NP_937886 |
| ## | AO.A12D.01TCGA | -3.0413096 | 1.3209093 | 2.4562291 | NA | -1.7459782 |
| ## | C8.A131.01TCGA | -1.2355439 | -1.0291020 | 1.8125104 | NA | 0.8572105 |
| ## | AO.A12B.01TCGA | -0.2025349 | 1.6792959 | -1.4469266 | NA | -0.2385640 |
| ## | BH.A18Q.02TCGA | -1.2164105 | 0.2488668 | 0.7439833 | -0.6677679 | 1.1956098 |
| ## | C8.A130.02TCGA | -2.3832640 | 1.3295475 | -1.8880038 | -1.6157747 | 0.8310074 |
| ## | C8.A138.03TCGA | NA | -0.4568589 | -2.3402856 | -0.2630306 | -2.1062287 |
| ## | | NP_000624 | NP_001008749 | NP_057046 | NP_002384 | NP_005515 |
| ## | AO.A12D.01TCGA | -3.5442030 | -3.0489292 | 1.7247479 | NA | 0.8751629 |
| ## | C8.A131.01TCGA | -2.3122802 | -1.0250541 | 1.4967757 | NA | -0.1871427 |
| ## | AO.A12B.01TCGA | -1.6437013 | -0.6265704 | -1.0478344 | NA | 0.3850176 |
| ## | BH.A18Q.02TCGA | -0.6276233 | -1.9691214 | -0.1291614 | -1.323463 | -1.7483262 |
| ## | C8.A130.02TCGA | -2.5406978 | -4.7250904 | 0.7424510 | -1.376344 | -0.2185506 |
| ## | C8.A138.03TCGA | NA | 0.1575404 | -0.3544590 | 1.693539 | 1.6789103 |
| ## | | NP_872309 | NP_065068 | NP_067673 | NP_689947 | NP_001120680 |
| ## | AO.A12D.01TCGA | NA | NA | 0.1970188 | 2.661958 | 2.1057277 |
| ## | C8.A131.01TCGA | NA | NA | 3.9295522 | -2.012737 | 0.8531627 |
| ## | AO.A12B.01TCGA | NA | NA | -1.8460189 | -3.819308 | -3.0543815 |
| ## | BH.A18Q.02TCGA | -0.1391975 | 2.1423529 | NA | -2.588017 | -3.7087200 |
| ## | C8.A130.02TCGA | 0.8933250 | 0.4702219 | NA | 0.617816 | 1.1393151 |
| ## | C8.A138.03TCGA | NA | -2.3439428 | -0.3764019 | 1.115711 | 1.2546822 |
| ## | | NP_006306 | NP_919431 | NP_787954 | NP_054799 | NP_004709 |
| ## | AO.A12D.01TCGA | 0.03700729 | NA | 1.1266096 | NA | -0.15348262 |
| ## | C8.A131.01TCGA | 0.38360847 | NA | 1.1243707 | NA | 1.61416427 |
| ## | AO.A12B.01TCGA | 0.44876150 | NA | -1.2806382 | NA | -0.06950411 |
| ## | BH.A18Q.02TCGA | 0.09497920 | -4.3409971 | -0.3834104 | 0.7908186 | 0.05148923 |
| ## | C8.A130.02TCGA | 0.61781597 | 0.8670860 | 0.5522186 | 1.0114002 | -1.61249486 |
| ## | C8.A138.03TCGA | 0.87799685 | 0.6841685 | 0.8085112 | NA | 1.58016757 |
| ## | | NP_659495 | NP_996816 | NP_002816 | NP_115506 | NP_003961 |
| ## | AO.A12D.01TCGA | NA | NA | NA | 1.2637623 | NA |
| ## | C8.A131.01TCGA | NA | NA | NA | 0.3917042 | NA |
| ## | AO.A12B.01TCGA | NA | NA | NA | -4.4512043 | NA |
| ## | BH.A18Q.02TCGA | -0.4436273 | -4.170383 | -7.9573549 | -4.5684831 | -4.6521177 |

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## C8.A130.02TCGA -0.4645408 2.064238 0.8310074 -0.2874278 -0.9401217
## C8.A138.03TCGA 0.2562832 NA NA 1.9239387 -0.1386878
## NP_006062 NP_203526 NP_003551 NP_000031 NP_078933
## A0.A12D.01TCGA -0.05823766 1.1989957 -1.41833561 -1.6278745 0.33036175
## C8.A131.01TCGA -1.00481469 -0.9319528 -0.09404148 1.4036745 0.62243344
## A0.A12B.01TCGA -2.04556498 0.5956496 -1.02843407 -2.5167155 -2.06219383
## BH.A18Q.02TCGA -2.38394876 -0.1626152 -4.78593294 -0.3432658 1.08186685
## C8.A130.02TCGA 0.25047065 1.2803495 -1.18283204 1.4377832 0.09631682
## C8.A138.03TCGA -2.13182868 0.1685119 0.29285458 -2.6182282 1.13033945
## NP_055714 NP_004366 NP_835260 NP_060179 NP_002866
## A0.A12D.01TCGA -0.5192232 NA 2.021912136 2.4638487 -0.3934999
## C8.A131.01TCGA -0.2883398 NA 1.209376176 0.5981462 0.4969491
## A0.A12B.01TCGA 0.8811114 NA -0.002988738 -1.6631016 1.0196851
## BH.A18Q.02TCGA 0.2890113 2.533763 -1.514149478 -8.0777887 -6.4017524
## C8.A130.02TCGA -1.0516373 -1.556737 -0.389103777 1.6312954 0.4669420
## C8.A138.03TCGA -0.9359442 -1.213887 NA 1.6862246 NA
## NP_003990 NP_078902 NP_005610 NP_689764 NP_060875
## A0.A12D.01TCGA 1.1266096 5.6945576 4.928788 0.79896692 -1.5973961
## C8.A131.01TCGA 1.1972325 -0.9238571 0.468614 -0.28429189 -0.9036177
## A0.A12B.01TCGA -0.1471054 -4.2156290 -2.996181 -2.08436562 2.0395875
## BH.A18Q.02TCGA NA 1.0751761 0.934670 -4.88629439 -2.0460652
## C8.A130.02TCGA NA -7.9295223 -1.753529 -0.05783702 -0.8450055
## C8.A138.03TCGA 0.3330831 -5.7085108 2.578567 -0.25937343 -0.7128587
## NP_056180 NP_001186069 NP_079143 NP_036586 NP_000988
## A0.A12D.01TCGA 1.22185452 NA 2.0676297 -2.1269581 0.5170419
## C8.A131.01TCGA 1.82465408 NA 0.9219766 5.7470507 -2.0694074
## A0.A12B.01TCGA -0.46859635 NA 1.4354062 -3.0848677 -2.7716911
## BH.A18Q.02TCGA -1.79181617 -0.7748201 -2.8757199 -1.4706595 -5.9735435
## C8.A130.02TCGA -0.06767663 0.2111122 0.1783135 -0.5071791 1.4705819
## C8.A138.03TCGA -1.68200057 -2.0330859 -1.9818860 NA -0.2008592
## NP_871615 NP_003330 NP_862821 NP_003329 NP_057067
## A0.A12D.01TCGA -0.2411080 -0.24110797 -0.24110797 0.1817796 -0.1534826
## C8.A131.01TCGA 0.1285920 0.02739495 0.02739495 0.8410190 0.3552733
## A0.A12B.01TCGA 0.7314518 0.73145184 0.73145184 0.5152769 0.6205929
## BH.A18Q.02TCGA -0.3533020 -0.35330197 -0.27970357 0.1083607 -0.3633381
## C8.A130.02TCGA 0.9982808 0.88020547 0.88676521 1.5919370 0.9458029
## C8.A138.03TCGA -1.3382295 -1.25411528 -1.40771513 -1.0968583 -0.5629160
## NP_001105 NP_899200 NP_056085 NP_001186571 NP_940878
## A0.A12D.01TCGA -4.9576381 NA NA NA -0.68685436
## C8.A131.01TCGA -1.7293854 NA NA NA -2.49848275
## A0.A12B.01TCGA -5.0553856 NA NA NA 1.54349368
## BH.A18Q.02TCGA -6.4686600 NA -1.815234 NA -0.40013732
## C8.A130.02TCGA -0.6974115 NA -2.671893 NA 0.53253937
## C8.A138.03TCGA -0.8116014 NA 2.234795 NA 0.09171193
## NP_001074318 NP_004255 NP_001882 NP_059140 NP_874384
## A0.A12D.01TCGA 1.0999410 -0.9078227 -5.654831 -1.1402203 -1.6545431
## C8.A131.01TCGA -1.6524756 -2.2677535 -3.611650 1.1041313 -0.5554999
## A0.A12B.01TCGA 0.7037371 0.9420839 -3.192955 -0.5240258 0.9864274
## BH.A18Q.02TCGA -1.0023061 0.6135134 -7.308351 0.4261720 0.5164973
## C8.A130.02TCGA 1.2541105 0.6702939 -8.441182 -0.8745244 -1.6846520
## C8.A138.03TCGA -2.4682855 0.7536541 -9.983706 -0.8664585 -0.4714875
## NP_036562 NP_057160 NP_057108 NP_000986 NP_057079
## A0.A12D.01TCGA 3.408678668 0.4865635 -0.34778232 0.551330 NA
## C8.A131.01TCGA -0.009035984 1.1648495 -0.25595672 1.767984 NA

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## AO.A12B.01TCGA -0.446424559 0.6344503 -0.32725118 -3.633620 NA
## BH.A18Q.02TCGA NA 0.4696620 0.31911978 -5.819656 -0.6844948
## C8.A130.02TCGA NA 0.4538225 -0.03487794 2.789089 1.5263396
## C8.A138.03TCGA 2.300623985 0.6585685 0.12828332 1.942224 2.8272520
## NP_112589 NP_002592 NP_940910 NP_003167 NP_005828
## AO.A12D.01TCGA NA -0.74019153 -2.91558629 4.0258660 0.3951283
## C8.A131.01TCGA NA -0.03332327 1.27819015 0.4807576 0.1083526
## AO.A12B.01TCGA NA -0.17759159 -0.69585721 2.9181447 -1.0284341
## BH.A18Q.02TCGA 0.951397 0.60682262 -1.94235836 -3.3139649 -1.9523945
## C8.A130.02TCGA 2.297109 -0.84828542 1.90352456 -0.3202265 0.3947849
## C8.A138.03TCGA NA -1.63445776 -0.01800225 4.0999365 -0.8225729
## NP_001138450 NP_001129580 NP_055514 NP_849163 NP_001035530
## AO.A12D.01TCGA 0.82563551 -0.4049293 3.8772838 -0.008710286 -4.2413960
## C8.A131.01TCGA 0.26217204 -0.8671867 -0.2033343 0.395752109 -5.2388981
## AO.A12B.01TCGA 0.03858337 0.5513060 2.9818886 -0.183134540 -6.7792424
## BH.A18Q.02TCGA -5.93674430 -3.3240011 NA 1.707453254 -3.3875633
## C8.A130.02TCGA 0.81132823 0.2668700 NA -0.126714268 0.2931089
## C8.A138.03TCGA -1.31628665 0.1575404 NA -0.442230390 1.9605100
## NP_001158090 NP_004475 NP_003449 NP_689620 NP_115874
## AO.A12D.01TCGA NA NA 1.0504136 -1.1059322 -2.3784047
## C8.A131.01TCGA NA NA 0.4767097 -4.6802906 -0.6162181
## AO.A12B.01TCGA NA NA -3.5061317 0.2769301 -3.3204430
## BH.A18Q.02TCGA NA NA -5.3379209 -0.8885631 0.7908186
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## AO.A12D.01TCGA -2.90415689 -2.90415689 3.3210533 NA NA
## C8.A131.01TCGA -0.05356267 -0.05356267 0.4645661 NA NA
## AO.A12B.01TCGA -5.05261414 -5.05261414 0.9947419 NA NA
## BH.A18Q.02TCGA 0.71722022 0.71722022 -4.1202019 NA 0.6101680
## C8.A130.02TCGA -0.01519873 0.16847393 -4.3839841 NA 0.4341433
## C8.A138.03TCGA 0.47205440 0.47205440 1.9934243 -3.064399 1.3351392
## NP_009188 NP_076931 NP_002990 NP_066011 NP_958802
## AO.A12D.01TCGA 1.5342580 -0.5801800 -0.2563472 2.3876528 NA
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## AO.A12B.01TCGA 2.6853409 2.3860217 -0.3826807 -0.8372024 NA
## BH.A18Q.02TCGA -0.1626152 0.5432604 -3.3507641 -0.4503180 -1.4070973
## C8.A130.02TCGA -1.3829040 -0.1496734 0.1422350 -0.7695686 -0.2119909
## C8.A138.03TCGA -4.0810839 -0.1423450 1.7739959 0.1282833 NA
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## AO.A12D.01TCGA -1.7078803 NA NA NA 0.34560094
## C8.A131.01TCGA 0.3066987 NA NA NA 0.99888637
## AO.A12B.01TCGA -5.2521603 NA NA NA -1.22520872
## BH.A18Q.02TCGA 0.2388306 -3.4611617 -0.1425429 NA -2.93593677
## C8.A130.02TCGA 0.8408470 -0.8286062 -0.2874278 NA 0.04055904
## C8.A138.03TCGA NA NA NA 7.45719 -1.38942943
## NP_057139 NP_115487 NP_008869 NP_003752 NP_061178
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## C8.A131.01TCGA -1.68081081 -1.2476875 0.6143377 4.1238504 -0.8509952
## AO.A12B.01TCGA 1.73195391 1.2885181 -0.4963111 -2.5582877 0.5208198
## BH.A18Q.02TCGA -0.50049877 0.7573648 0.3826820 -0.7547478 -9.0780579
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## C8.A138.03TCGA 0.40622590 -0.7823443 0.6402828 0.8011969 -0.2081735
## NP_001137146 NP_066996 NP_003867 NP_002838 NP_570857

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| | | | | | | |
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| ## | A0.A12D.01TCGA | 2.3228862 | -0.4354077 | 0.65800439 | NA | NA |
| ## | C8.A131.01TCGA | -1.4865125 | 0.2824114 | 0.55361947 | NA | NA |
| ## | A0.A12B.01TCGA | -2.8215777 | -0.2607358 | -0.76791553 | NA | NA |
| ## | BH.A18Q.02TCGA | 1.7375617 | 0.2589029 | -1.96577603 | -2.0159568 | -2.0159568 |
| ## | C8.A130.02TCGA | 0.4767816 | 1.1360352 | 0.24063104 | 1.1983528 | 1.1983528 |
| ## | C8.A138.03TCGA | 1.0462253 | -0.1240593 | -0.08017361 | -0.2191449 | -0.2191449 |
| ## | | NP_789788 | NP_703152 | NP_003611 | NP_057646 | XP_003960602 |
| ## | A0.A12D.01TCGA | -0.17634141 | -0.5077938 | NA | 3.7629899 | 0.9246903 |
| ## | C8.A131.01TCGA | -0.27619613 | 1.2619986 | NA | -0.7093194 | 1.8206062 |
| ## | A0.A12B.01TCGA | 0.83122490 | -2.0511079 | NA | -1.3332962 | -2.7550623 |
| ## | BH.A18Q.02TCGA | -0.08232604 | -3.1834950 | -0.3432658 | -2.4776195 | -0.7279847 |
| ## | C8.A130.02TCGA | 2.22823158 | 1.5328994 | -1.3501054 | 0.2143921 | 0.6571744 |
| ## | C8.A138.03TCGA | 0.21605466 | -1.3492009 | NA | -0.3325162 | -0.9761727 |
| ## | | NP_874364 | NP_689677 | NP_009000 | NP_003970 | NP_703151 |
| ## | A0.A12D.01TCGA | -1.94027795 | 2.0028631 | -2.340307 | -1.5669177 | -1.098312561 |
| ## | C8.A131.01TCGA | 1.50082360 | 0.9988864 | -1.284118 | -3.3323462 | -0.324770696 |
| ## | A0.A12B.01TCGA | -1.97350666 | -1.0533773 | 1.809555 | -4.7255802 | 0.249215384 |
| ## | BH.A18Q.02TCGA | 0.39940895 | -1.3000450 | -2.072828 | -12.3699136 | 0.001308505 |
| ## | C8.A130.02TCGA | 0.01759996 | -0.8154867 | 3.805849 | -4.4725405 | 0.975321671 |
| ## | C8.A138.03TCGA | -0.02165938 | -0.5629160 | -1.886800 | 0.8048541 | -0.888401368 |
| ## | | NP_110448 | NP_057053 | NP_057678 | NP_612455 | NP_004751 |
| ## | A0.A12D.01TCGA | -0.01632988 | 0.3113128 | 5.16499562 | -0.3668313 | 0.2770246 |
| ## | C8.A131.01TCGA | -0.98052741 | -0.1749991 | 1.96228203 | -2.6482543 | -0.3369143 |
| ## | A0.A12B.01TCGA | 1.34949051 | 1.7818404 | -0.03624642 | 2.0700737 | -0.9840905 |
| ## | BH.A18Q.02TCGA | -4.53168392 | 0.4830435 | -0.37002888 | -0.3064666 | 0.5700234 |
| ## | C8.A130.02TCGA | 2.19543289 | 1.7329714 | -1.30418719 | -0.7170907 | -1.5796962 |
| ## | C8.A138.03TCGA | 0.49034010 | -0.8445157 | 1.58016757 | -0.5812017 | 2.9040519 |
| ## | | NP_006770 | NP_003071 | NP_005973 | NP_775931 | NP_001231693 |
| ## | A0.A12D.01TCGA | -0.8240071 | 0.3036932 | NA | -0.9992578 | 2.0790591 |
| ## | C8.A131.01TCGA | 0.5495716 | 0.4443267 | NA | 0.5374279 | 0.1204962 |
| ## | A0.A12B.01TCGA | -1.4884987 | -0.2884505 | NA | 2.7684851 | -0.5683694 |
| ## | BH.A18Q.02TCGA | 0.2120676 | NA | -5.565407 | 0.1685776 | -11.1421585 |
| ## | C8.A130.02TCGA | -0.4481414 | NA | 1.910084 | 0.2537505 | -0.7728484 |
| ## | C8.A138.03TCGA | 0.3659974 | 3.5403942 | 4.355936 | NA | 0.7207399 |
| ## | | NP_694566 | NP_004590 | NP_001953 | NP_001008396 | NP_001243084 |
| ## | A0.A12D.01TCGA | -2.1764854 | 1.5875951 | 3.3362925 | -0.70590335 | NA |
| ## | C8.A131.01TCGA | 0.8814978 | 1.2579507 | 0.3795606 | 0.88959358 | NA |
| ## | A0.A12B.01TCGA | -5.2216740 | -1.1198927 | -0.2496499 | 0.72036594 | NA |
| ## | BH.A18Q.02TCGA | -2.7920853 | -2.1430813 | 5.3606102 | -0.01876379 | 0.1685776 |
| ## | C8.A130.02TCGA | -0.8187666 | 0.7555705 | -2.4226225 | -0.04799742 | 0.1717538 |
| ## | C8.A138.03TCGA | 1.2437108 | 5.4603922 | NA | -0.50805889 | 1.1705680 |
| ## | | NP_006511 | NP_036455 | NP_055725 | NP_001243794 | NP_002768 |
| ## | A0.A12D.01TCGA | -1.1021224 | 2.13620608 | -2.0888601 | -2.2907794 | -0.8468659 |
| ## | C8.A131.01TCGA | -0.1466639 | 2.39540529 | -0.1223767 | 1.6263079 | 5.7996731 |
| ## | A0.A12B.01TCGA | 0.9115976 | -1.28618114 | -0.4990826 | -3.6419339 | 0.2159577 |
| ## | BH.A18Q.02TCGA | -0.2027598 | 4.14958201 | 2.3464212 | -4.9532020 | -3.9796959 |
| ## | C8.A130.02TCGA | -1.0155587 | -0.02175846 | -0.3038272 | 2.6119762 | -5.7057712 |
| ## | C8.A138.03TCGA | -1.3162866 | NA | 1.9824529 | 0.1941118 | -7.8259944 |
| ## | | NP_653191 | NP_001248370 | NP_003351 | NP_057385 | NP_001157844 |
| ## | A0.A12D.01TCGA | 0.7913473 | -0.1763414 | -2.5879436 | 0.08272487 | -0.43159788 |
| ## | C8.A131.01TCGA | -1.5593744 | 0.8450669 | 0.8248275 | 0.31884237 | -0.17904698 |
| ## | A0.A12B.01TCGA | -0.8732315 | 0.9947419 | -2.4418857 | 0.11341316 | 0.01918305 |
| ## | BH.A18Q.02TCGA | 0.1183969 | NA | 0.7740917 | 0.35926436 | 0.35926436 |
| ## | C8.A130.02TCGA | 0.6112562 | NA | -2.5570971 | 0.52925951 | 0.52925951 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A138.03TCGA | NA | NA | -1.6052006 | -0.48245892 | -0.51903031 |
| ## | | NP_004698 | NP_078858 | NP_001177908 | NP_001243333 | NP_619527 |
| ## | A0.A12D.01TCGA | -1.4373846 | 0.326552 | 0.8256355 | -0.7249523 | NA |
| ## | C8.A131.01TCGA | -0.7497982 | 1.249855 | 0.9826948 | 2.8285285 | NA |
| ## | A0.A12B.01TCGA | -2.1647384 | -2.245111 | 0.7674810 | -2.0400220 | NA |
| ## | BH.A18Q.02TCGA | 2.1122445 | NA | -13.3735282 | -1.9624306 | 0.4696620 |
| ## | C8.A130.02TCGA | -0.4317421 | NA | 0.1586343 | -1.5403377 | -0.1988714 |
| ## | C8.A138.03TCGA | 2.2494240 | NA | 0.6439399 | -0.2740020 | -0.9908013 |
| ## | | NP_001191038 | NP_001073893 | NP_689699 | NP_001245177 | NP_000380 |
| ## | A0.A12D.01TCGA | NA | -2.5803240 | NA | 4.6049553 | NA |
| ## | C8.A131.01TCGA | NA | 4.9010436 | NA | 6.3461371 | NA |
| ## | A0.A12B.01TCGA | NA | -3.5061317 | NA | -0.3799092 | NA |
| ## | BH.A18Q.02TCGA | 1.132048 | -0.1191252 | -0.6175871 | -3.9964228 | NA |
| ## | C8.A130.02TCGA | 1.303309 | 0.4374232 | 1.8444869 | 0.3226278 | NA |
| ## | C8.A138.03TCGA | NA | 2.3664525 | -0.2484020 | 0.8194826 | 2.585881 |
| ## | | NP_115714 | NP_005969 | NP_003723 | NP_620175 | NP_001229476 |
| ## | A0.A12D.01TCGA | -1.47167278 | -8.150249 | -0.45826647 | 0.2122580 | -0.267776561 |
| ## | C8.A131.01TCGA | -2.08964678 | -5.331999 | -0.18714274 | -0.6890800 | -0.276196125 |
| ## | A0.A12B.01TCGA | -0.34665150 | -4.675694 | 1.92041413 | 0.1605282 | 0.390560552 |
| ## | BH.A18Q.02TCGA | -0.05890837 | 4.086020 | -3.74217380 | 1.1655014 | 0.509806548 |
| ## | C8.A130.02TCGA | -1.18283204 | -6.273189 | 0.08647721 | 0.4931809 | -0.002079251 |
| ## | C8.A138.03TCGA | -0.47148750 | 5.478678 | -2.21228575 | 1.6240532 | -0.124059282 |
| ## | | NP_002109 | NP_001636 | NP_001017998 | NP_004116 | NP_001171694 |
| ## | A0.A12D.01TCGA | 1.78570465 | -0.9535402 | -0.5001742 | 0.9285001 | 1.24471331 |
| ## | C8.A131.01TCGA | -0.09808936 | -0.2883398 | 0.7155347 | 0.5131407 | 1.50891936 |
| ## | A0.A12B.01TCGA | -1.99844993 | -3.7832791 | -0.8787745 | 0.4044179 | 0.14112790 |
| ## | BH.A18Q.02TCGA | 4.11278281 | -1.6111656 | 0.5098065 | 0.6001319 | -6.54225842 |
| ## | C8.A130.02TCGA | -0.18247204 | 0.9589223 | -0.9630808 | -1.3041872 | 2.31678804 |
| ## | C8.A138.03TCGA | 1.05353953 | -2.8486280 | 0.9291968 | 0.9657682 | 0.08805479 |
| ## | | NP_001007023 | NP_667338 | NP_112190 | NP_981942 | NP_612402 |
| ## | A0.A12D.01TCGA | 1.24471331 | 0.8484943 | 3.1915202 | -1.7345489 | 3.134373 |
| ## | C8.A131.01TCGA | 1.50891936 | -2.3487112 | 1.6222600 | -0.2195258 | 2.751619 |
| ## | A0.A12B.01TCGA | 0.14112790 | -2.5305729 | 0.5762493 | 2.3610785 | 1.388291 |
| ## | BH.A18Q.02TCGA | -7.47896534 | -13.6813033 | -7.7633228 | 0.1351238 | -8.519379 |
| ## | C8.A130.02TCGA | 6.52485979 | -0.7990874 | 2.3397471 | -0.6219745 | -2.120875 |
| ## | C8.A138.03TCGA | 0.08805479 | 1.6386818 | 1.1595966 | NA | 4.589993 |
| ## | | NP_054889 | NP_001004431 | NP_060661 | NP_001259 | NP_001186048 |
| ## | A0.A12D.01TCGA | NA | NA | NA | 0.5246615 | 0.2808344 |
| ## | C8.A131.01TCGA | NA | NA | NA | 1.7275049 | -2.6077755 |
| ## | A0.A12B.01TCGA | NA | NA | NA | 0.4958766 | 0.1189561 |
| ## | BH.A18Q.02TCGA | NA | -1.868760 | -1.557639 | 2.2192967 | 1.0216500 |
| ## | C8.A130.02TCGA | NA | -0.559657 | -0.959801 | -0.2644688 | 0.3029486 |
| ## | C8.A138.03TCGA | -0.5263446 | -1.828286 | NA | NA | -0.9578870 |
| ## | | NP_001186049 | NP_067076 | NP_071436 | NP_057717 | NP_689967 |
| ## | A0.A12D.01TCGA | 0.2808344 | 0.3151226 | NA | -1.2087967 | 0.2198776 |
| ## | C8.A131.01TCGA | -2.6077755 | -0.8469473 | NA | 5.1398686 | 0.1366877 |
| ## | A0.A12B.01TCGA | 0.1189561 | -0.1055333 | NA | -0.2773647 | -0.4741393 |
| ## | BH.A18Q.02TCGA | 1.0216500 | -1.8787961 | -7.97408185 | -2.9158645 | -1.2900089 |
| ## | C8.A130.02TCGA | 0.3029486 | -0.5891758 | -1.71417080 | -3.3836241 | -0.4711005 |
| ## | C8.A138.03TCGA | -0.9578870 | NA | 0.05879768 | -2.0440573 | 0.6731971 |
| ## | | NP_001034842 | NP_064570 | XP_003403836 | NP_001008910 | NP_055293 |
| ## | A0.A12D.01TCGA | -2.7593846 | NA | NA | 0.6732436 | -0.6297074 |
| ## | C8.A131.01TCGA | 3.9821746 | NA | NA | 0.3107466 | -1.2476875 |
| ## | A0.A12B.01TCGA | 0.0884699 | NA | NA | 0.9420839 | 0.5235913 |

| | | | | | |
|-------------------|--------------|--------------|--------------|--------------|----------------------|
| ## BH.A18Q.02TCGA | NA | 0.6570033 | 0.5800596 | -0.4703903 | -1.0524868 |
| ## C8.A130.02TCGA | NA | -0.2316701 | -0.2251103 | -1.2648288 | 0.6702939 |
| ## C8.A138.03TCGA | NA | -2.3037142 | -2.3037142 | 3.3941086 | -0.6580016 |
| ## | NP_002064 | NP_789786 | NP_919224 | NP_079421 | NP_001073918 |
| ## AO.A12D.01TCGA | 2.2924078 | 2.3800332 | NA | 1.7704655 | 2.2505000 |
| ## C8.A131.01TCGA | 1.1000834 | -0.3531059 | NA | -0.2478610 | 3.6542963 |
| ## AO.A12B.01TCGA | 0.2963304 | 2.2807057 | NA | 1.4908357 | -1.0589203 |
| ## BH.A18Q.02TCGA | -3.9897321 | -1.1662298 | -0.8183101 | -5.3881017 | -2.0427198 |
| ## C8.A130.02TCGA | -0.2579090 | -2.8391658 | 0.3751057 | 0.1455148 | -0.2513493 |
| ## C8.A138.03TCGA | 0.5013115 | 0.7755970 | 1.0315967 | 1.8946815 | 0.3586831 |
| ## | NP_001091953 | NP_733752 | NP_006166 | NP_919290 | NP_060807 |
| ## AO.A12D.01TCGA | 1.07708219 | 0.37226953 | NA | NA | NA |
| ## C8.A131.01TCGA | 0.75601351 | 0.45647032 | NA | NA | NA |
| ## AO.A12B.01TCGA | -0.52956877 | -0.39099508 | NA | NA | NA |
| ## BH.A18Q.02TCGA | 1.70745325 | -0.01876379 | 0.1752684 | -5.3713748 | 0.4830435 |
| ## C8.A130.02TCGA | -1.02539834 | 0.99500088 | -0.9138828 | 1.8510467 | 2.0740777 |
| ## C8.A138.03TCGA | 0.04416912 | NA | NA | 0.6439399 | -1.2504581 |
| ## | NP_006143 | NP_060132 | NP_001257313 | NP_006263 | NP_036577 NP_079001 |
| ## AO.A12D.01TCGA | NA | NA | NA | -7.4987735 | -1.6697823 NA |
| ## C8.A131.01TCGA | NA | NA | NA | -5.0931744 | -0.9643359 NA |
| ## AO.A12B.01TCGA | NA | NA | NA | -7.4028240 | -3.0349812 NA |
| ## BH.A18Q.02TCGA | NA | NA | -0.5874787 | 11.3889884 | -1.3468804 NA |
| ## C8.A130.02TCGA | NA | NA | -0.6416537 | -0.2546292 | -0.3694246 NA |
| ## C8.A138.03TCGA | NA | NA | -0.4129733 | -6.1839389 | -0.2081735 -1.166344 |
| ## | NP_060934 | NP_987091 | NP_899243 | NP_004066 | NP_066940 |
| ## AO.A12D.01TCGA | -0.8049581 | -0.5001742 | 0.006528907 | -0.4277881 | NA |
| ## C8.A131.01TCGA | -1.2476875 | 0.8248275 | -2.085598900 | -0.7659897 | NA |
| ## AO.A12B.01TCGA | -0.5184829 | -0.3854521 | -2.452971645 | 0.4404471 | NA |
| ## BH.A18Q.02TCGA | 1.4030235 | 1.3193890 | NA | -2.6749970 | -9.606628 |
| ## C8.A130.02TCGA | -1.0516373 | 0.4964608 | NA | -1.0450776 | 1.647695 |
| ## C8.A138.03TCGA | 0.2050832 | -1.3894294 | 0.124626181 | 3.4855371 | 1.181539 |
| ## | NP_004551 | NP_005003 | NP_001103224 | NP_001193901 | NP_006260 |
| ## AO.A12D.01TCGA | 1.6485519 | NA | -4.55760929 | -4.55760929 | NA |
| ## C8.A131.01TCGA | 1.0757961 | NA | -0.44215924 | -0.44215924 | NA |
| ## AO.A12B.01TCGA | 0.1438994 | NA | 0.02195453 | 0.02195453 | NA |
| ## BH.A18Q.02TCGA | -1.0257237 | -2.2902781 | -5.49515389 | -5.49515389 | -11.3462268 |
| ## C8.A130.02TCGA | 0.5423790 | -1.2910677 | -0.93028214 | -0.93028214 | 0.7227718 |
| ## C8.A138.03TCGA | NA | -0.1569735 | -0.43491611 | -0.43491611 | 2.1653098 |
| ## | NP_004914 | NP_006250 | NP_067680 | NP_003590 | NP_055632 |
| ## AO.A12D.01TCGA | NA | 2.5133761 | 0.32655195 | -0.3211137 | 0.4027479 |
| ## C8.A131.01TCGA | NA | 0.7398220 | -0.21952579 | -0.8348037 | 0.2055017 |
| ## AO.A12B.01TCGA | NA | 2.4857948 | -0.01130316 | 0.9531697 | 0.0884699 |
| ## BH.A18Q.02TCGA | -3.0864790 | 1.5569111 | -0.71460321 | NA | -2.8924468 |
| ## C8.A130.02TCGA | 0.4111842 | 0.2635901 | -0.41862260 | NA | 0.7326114 |
| ## C8.A138.03TCGA | 0.1173119 | 1.0242824 | NA | NA | NA |
| ## | NP_001124171 | NP_001243055 | NP_000423 | NP_002468 | NP_001106997 |
| ## AO.A12D.01TCGA | NA | -0.279206 | 5.4850187 | 4.3001714 | 0.50561247 |
| ## C8.A131.01TCGA | NA | -1.854870 | 1.0474609 | 0.9624554 | 0.77220504 |
| ## AO.A12B.01TCGA | NA | -4.875240 | -3.7333926 | -3.1375257 | 0.09401285 |
| ## BH.A18Q.02TCGA | NA | NA | -7.7900858 | -7.6060898 | -4.02318587 |
| ## C8.A130.02TCGA | NA | NA | -0.7400497 | -0.5924556 | -0.24150968 |
| ## C8.A138.03TCGA | 0.01125487 | 1.371711 | 0.3659974 | 0.1721690 | 0.81216834 |
| ## | NP_068767 | NP_003667 | NP_001026788 | NP_001002034 | NP_036591 |
| ## AO.A12D.01TCGA | NA | 2.89435592 | -0.8735345 | NA | -0.99544801 |

| | | | | | | |
|----|----------------|--------------|--------------|-------------|--------------|--------------|
| ## | C8.A131.01TCGA | NA | -0.15475970 | -0.2438131 | NA | -0.02117963 |
| ## | A0.A12B.01TCGA | NA | -1.69358780 | 0.4155038 | NA | -0.97854754 |
| ## | BH.A18Q.02TCGA | 2.1691160 | NA | 1.1420837 | -3.65519387 | -1.95573988 |
| ## | C8.A130.02TCGA | -0.1759123 | NA | -0.1791922 | 0.21767196 | 1.22459170 |
| ## | C8.A138.03TCGA | NA | -0.01434511 | -0.7750301 | 0.08074051 | -1.92702889 |
| ## | | NP_060468 | NP_061749 | NP_061747 | NP_061742 | NP_061741 |
| ## | A0.A12D.01TCGA | NA | NA | 0.69229258 | 1.36662685 | NA |
| ## | C8.A131.01TCGA | NA | NA | 0.07596952 | 0.02334706 | NA |
| ## | A0.A12B.01TCGA | NA | NA | -0.22747812 | -0.35496592 | NA |
| ## | BH.A18Q.02TCGA | -0.4001373 | 0.1250876 | 0.12508763 | 0.12508763 | 0.1250876 |
| ## | C8.A130.02TCGA | -0.8614049 | -0.4120629 | -0.41206286 | -0.41206286 | -0.4120629 |
| ## | C8.A138.03TCGA | NA | 3.3099944 | 3.65010834 | 3.30999439 | 3.4782228 |
| ## | | NP_061739 | NP_003726 | NP_061751 | NP_061750 | NP_061735 |
| ## | A0.A12D.01TCGA | NA | NA | NA | NA | NA |
| ## | C8.A131.01TCGA | NA | NA | NA | NA | NA |
| ## | A0.A12B.01TCGA | NA | NA | NA | NA | NA |
| ## | BH.A18Q.02TCGA | 1.0617946 | 1.309353 | -2.7787038 | 0.1250876 | 0.1250876 |
| ## | C8.A130.02TCGA | 0.2996687 | 0.942523 | -0.4120629 | -0.4120629 | -0.4120629 |
| ## | C8.A138.03TCGA | 1.1266823 | 3.309994 | 3.4782228 | 3.4782228 | 3.4782228 |
| ## | | NP_002579 | NP_061736 | NP_061748 | NP_061746 | NP_061740 |
| ## | A0.A12D.01TCGA | NA | NA | NA | 3.9153818 | NA |
| ## | C8.A131.01TCGA | NA | NA | NA | -0.4826381 | NA |
| ## | A0.A12B.01TCGA | NA | NA | NA | -3.2068125 | NA |
| ## | BH.A18Q.02TCGA | -0.1893783 | -1.075904 | -0.25963128 | -2.3170411 | 0.1250876 |
| ## | C8.A130.02TCGA | -1.9109629 | -1.071317 | -0.02503833 | -0.4120629 | -0.4120629 |
| ## | C8.A138.03TCGA | 0.7865684 | 3.478223 | 3.30999439 | 3.4782228 | 3.3099944 |
| ## | | NP_061743 | NP_061738 | NP_061744 | NP_006157 | NP_005851 |
| ## | A0.A12D.01TCGA | NA | NA | NA | 0.3608401 | NA |
| ## | C8.A131.01TCGA | NA | NA | NA | -0.6486012 | NA |
| ## | A0.A12B.01TCGA | NA | NA | NA | 0.3240452 | NA |
| ## | BH.A18Q.02TCGA | -2.9760814 | 0.1250876 | 1.988465 | -2.6013986 | -2.240097 |
| ## | C8.A130.02TCGA | -0.3202265 | -0.4120629 | -1.018839 | 0.4046245 | -2.688292 |
| ## | C8.A138.03TCGA | 3.4782228 | 3.4782228 | 3.650108 | 0.5378829 | -1.096858 |
| ## | | NP_066189 | NP_478056 | NP_073622 | NP_001164982 | NP_644808 |
| ## | A0.A12D.01TCGA | NA | -0.1763414 | 0.3075030 | 0.55513984 | 0.6237162 |
| ## | C8.A131.01TCGA | NA | -0.1426161 | 1.5413024 | 0.06787375 | 0.6467207 |
| ## | A0.A12B.01TCGA | NA | 0.6954227 | -1.6270724 | 1.90101381 | 2.4303653 |
| ## | BH.A18Q.02TCGA | -1.704836 | 0.5098065 | 0.3458828 | 0.37264589 | 0.1250876 |
| ## | C8.A130.02TCGA | -1.215631 | -0.3595850 | 0.5226998 | -0.53997774 | -0.3727044 |
| ## | C8.A138.03TCGA | -1.751486 | -0.7055444 | -2.9437136 | -0.93960132 | -1.2248582 |
| ## | | NP_787083 | NP_064571 | NP_056183 | NP_620168 | NP_001171473 |
| ## | A0.A12D.01TCGA | 0.1055837 | NA | 4.2430245 | 4.163019 | 4.163019 |
| ## | C8.A131.01TCGA | -0.2316694 | NA | 1.7841753 | 1.634404 | 1.634404 |
| ## | A0.A12B.01TCGA | 0.2187292 | NA | -2.1785957 | -2.026165 | -2.026165 |
| ## | BH.A18Q.02TCGA | -4.2339449 | -0.3901012 | -0.5941695 | NA | NA |
| ## | C8.A130.02TCGA | -0.6219745 | 2.9530826 | 0.3455868 | NA | NA |
| ## | C8.A138.03TCGA | 3.5989084 | -3.7153699 | 1.0791395 | 3.452623 | 1.364396 |
| ## | | NP_001007227 | NP_001001664 | NP_002926 | NP_005265 | NP_079034 |
| ## | A0.A12D.01TCGA | 1.0123156 | 4.2011167 | -0.7554307 | -0.05061807 | NA |
| ## | C8.A131.01TCGA | 1.8044147 | 1.6222600 | 4.8281817 | 0.01120342 | NA |
| ## | A0.A12B.01TCGA | -0.5351117 | -3.3509292 | -1.1337501 | -3.08763916 | NA |
| ## | BH.A18Q.02TCGA | -0.6844948 | 1.4900034 | NA | -1.18630206 | NA |
| ## | C8.A130.02TCGA | 0.1061564 | -0.1135948 | NA | -0.58589591 | NA |
| ## | C8.A138.03TCGA | -1.6161721 | -0.7384587 | 0.5598257 | 2.54930945 | NA |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_699165 | XP_003960213 | NP_872304 | NP_036454 | NP_001629 |
| ## | AO.A12D.01TCGA | NA | 0.017958301 | -1.3535690 | -0.66399557 | -1.65835289 |
| ## | C8.A131.01TCGA | NA | -0.818612169 | 0.1407356 | -0.51502110 | 1.99466508 |
| ## | AO.A12B.01TCGA | NA | 0.002554209 | 2.3111919 | 1.16657324 | -2.17028131 |
| ## | BH.A18Q.02TCGA | -3.056371 | -0.048872223 | -0.4369365 | 0.53322422 | -0.78820161 |
| ## | C8.A130.02TCGA | 1.434503 | -1.051637288 | 1.4410630 | -0.00535912 | 0.03071944 |
| ## | C8.A138.03TCGA | 3.423366 | -0.895715646 | -0.1057736 | -1.11514400 | -0.60680165 |
| ## | | NP_002695 | NP_001257365 | NP_002113 | NP_291032 | NP_054769 |
| ## | AO.A12D.01TCGA | -0.8506757 | 0.43322630 | 1.648552 | 1.8199928 | -1.1821281 |
| ## | C8.A131.01TCGA | 7.0302290 | 0.52933218 | 1.083892 | 0.1528793 | -0.6971757 |
| ## | AO.A12B.01TCGA | 0.1078702 | 1.05571428 | -2.128709 | -2.5721450 | 2.3416782 |
| ## | BH.A18Q.02TCGA | -4.3610694 | -0.46035419 | 6.976430 | 6.3207348 | 0.3090836 |
| ## | C8.A130.02TCGA | -1.6124949 | -1.05163729 | 0.516140 | -1.7699286 | 1.0835573 |
| ## | C8.A138.03TCGA | -1.1736582 | 0.08805479 | -1.283372 | 0.3915973 | -0.8957156 |
| ## | | NP_065869 | NP_071939 | NP_001138462 | NP_002596 | NP_003710 |
| ## | AO.A12D.01TCGA | NA | 2.9134049 | 0.4294165 | 0.42560670 | 2.7762522 |
| ## | C8.A131.01TCGA | NA | 0.4240873 | 3.8162115 | -2.24346626 | -0.1588076 |
| ## | AO.A12B.01TCGA | NA | -0.8649171 | -0.1775916 | -0.09999032 | 1.3550335 |
| ## | BH.A18Q.02TCGA | -0.6577317 | -3.4611617 | -6.3448809 | 1.50338496 | NA |
| ## | C8.A130.02TCGA | -1.9503214 | 1.2049125 | -0.6842920 | -0.51373879 | NA |
| ## | C8.A138.03TCGA | 1.6569675 | -0.7567444 | -1.5942292 | 1.13765373 | -1.1992582 |
| ## | | NP_061929 | NP_877435 | NP_060600 | NP_008844 | NP_060053 |
| ## | AO.A12D.01TCGA | 1.846661421 | NA | 1.7857047 | NA | NA |
| ## | C8.A131.01TCGA | 0.003107659 | NA | -3.2351971 | NA | NA |
| ## | AO.A12B.01TCGA | -2.430799854 | NA | 5.1131520 | NA | NA |
| ## | BH.A18Q.02TCGA | -1.203028965 | -0.4737357 | -2.4341295 | -4.8294229 | -0.35330197 |
| ## | C8.A130.02TCGA | -1.176272305 | -1.1041152 | -2.4783802 | -0.8745244 | 0.08647721 |
| ## | C8.A138.03TCGA | 1.543596177 | -2.5341140 | 0.8048541 | NA | 0.50131152 |
| ## | | NP_055917 | NP_071355 | NP_037525 | NP_001257870 | NP_689835 |
| ## | AO.A12D.01TCGA | 0.09796406 | NA | 0.5437104 | 2.2543098 | NA |
| ## | C8.A131.01TCGA | -0.40572832 | NA | -0.3247707 | 0.7641093 | NA |
| ## | AO.A12B.01TCGA | 0.71205152 | NA | 1.4104629 | -2.8188062 | NA |
| ## | BH.A18Q.02TCGA | 0.87779855 | -0.00872764 | -1.0959767 | -1.9992298 | -0.4536634 |
| ## | C8.A130.02TCGA | 0.85396652 | -0.35958496 | -0.2316701 | 0.7260516 | -1.3697846 |
| ## | C8.A138.03TCGA | -0.70920155 | 1.60942468 | 1.2217679 | 0.2965117 | 1.1705680 |
| ## | | NP_060020 | NP_659399 | NP_000474 | NP_006403 | NP_001012745 |
| ## | AO.A12D.01TCGA | NA | -1.0868832 | -2.420313 | NA | NA |
| ## | C8.A131.01TCGA | NA | -0.7012236 | 0.432183 | NA | NA |
| ## | AO.A12B.01TCGA | NA | 3.4336389 | -3.065467 | NA | NA |
| ## | BH.A18Q.02TCGA | NA | 0.6636941 | -0.493808 | -2.912519 | -2.912519 |
| ## | C8.A130.02TCGA | NA | -0.6154147 | 1.178674 | -1.727290 | -1.727290 |
| ## | C8.A138.03TCGA | NA | -1.7441719 | -3.243599 | 3.284394 | 3.317309 |
| ## | | NP_115554 | NP_004633 | NP_001229247 | NP_066928 | NP_077008 |
| ## | AO.A12D.01TCGA | -0.30206474 | 0.7189612 | 0.2503560 | -1.0640244 | 0.2808344 |
| ## | C8.A131.01TCGA | 0.96650332 | -0.1264245 | 0.6345771 | -0.2640525 | 9.9689905 |
| ## | AO.A12B.01TCGA | -0.14433391 | -2.3088550 | -0.5323402 | -0.5849983 | 3.7191007 |
| ## | BH.A18Q.02TCGA | -0.02545455 | -1.2966997 | 0.3191198 | 2.7746301 | 0.4161359 |
| ## | C8.A130.02TCGA | -0.15295322 | 1.0638781 | -1.0811561 | -0.9466815 | -0.3169467 |
| ## | C8.A138.03TCGA | 2.42130958 | -1.0566298 | -0.2081735 | 1.0242824 | 0.5122829 |
| ## | | NP_060034 | NP_003087 | NP_057622 | NP_036426 | NP_006334 |
| ## | AO.A12D.01TCGA | 2.5057565 | 0.0255779 | NA | 3.0162695 | 0.7989669 |
| ## | C8.A131.01TCGA | 0.2581242 | -0.6850321 | NA | -0.9845753 | 0.2014538 |
| ## | AO.A12B.01TCGA | 2.6631691 | -1.2030369 | NA | 1.3605764 | 0.5402201 |
| ## | BH.A18Q.02TCGA | -0.5740972 | -1.8386515 | 1.98177457 | -2.2969688 | -0.5138803 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|-------------|--------------|
| ## | C8.A130.02TCGA | 0.2865492 | 1.5952169 | -0.06111689 | 1.4246637 | 1.2147521 |
| ## | C8.A138.03TCGA | 2.3079383 | 0.5451972 | -0.80428717 | NA | -0.5482874 |
| ## | | NP_653181 | NP_002483 | NP_954697 | NP_055296 | NP_066991 |
| ## | A0.A12D.01TCGA | -0.3515921 | 1.4733012 | 1.4847306 | NA | NA |
| ## | C8.A131.01TCGA | 0.8895936 | -0.3773931 | 0.2824114 | NA | NA |
| ## | A0.A12B.01TCGA | 0.1494423 | -3.5061317 | 0.4293612 | NA | NA |
| ## | BH.A18Q.02TCGA | 1.2625175 | -1.2900089 | -4.8561860 | NA | -1.7884708 |
| ## | C8.A130.02TCGA | 0.3095083 | -0.6121349 | 1.0966768 | NA | 1.7362512 |
| ## | C8.A138.03TCGA | -2.5926282 | 1.2217679 | NA | NA | 0.4574258 |
| ## | | NP_001138502 | NP_116267 | NP_001034624 | NP_057388 | NP_036238 |
| ## | A0.A12D.01TCGA | NA | 1.972385 | 2.2847882 | -0.8316267 | 1.22947412 |
| ## | C8.A131.01TCGA | NA | 1.662739 | 3.1564069 | -0.7943249 | 1.80441467 |
| ## | A0.A12B.01TCGA | NA | 1.130544 | -3.4229875 | -0.7734585 | -0.22747812 |
| ## | BH.A18Q.02TCGA | -0.3666835 | 1.771016 | 0.8711078 | -0.7346755 | 0.74732866 |
| ## | C8.A130.02TCGA | 0.9261236 | 3.848487 | 0.6440549 | 0.4013446 | -1.30090732 |
| ## | C8.A138.03TCGA | NA | -1.550344 | 2.0848528 | -2.9071422 | 0.06976909 |
| ## | | NP_114432 | NP_001138341 | NP_065699 | NP_077289 | NP_543136 |
| ## | A0.A12D.01TCGA | NA | -2.0431425 | 0.2694050 | 1.62188333 | 0.6884828 |
| ## | C8.A131.01TCGA | NA | -0.9562401 | 2.8487680 | 0.03144283 | 0.4726618 |
| ## | A0.A12B.01TCGA | NA | 3.8853891 | -0.6515136 | -2.54720176 | 3.1564915 |
| ## | BH.A18Q.02TCGA | 1.1186660 | -1.1762659 | 0.0581800 | -5.96016197 | -1.6178563 |
| ## | C8.A130.02TCGA | 0.2603103 | -0.5924556 | 0.1619142 | 0.03071944 | -1.7732084 |
| ## | C8.A138.03TCGA | NA | -0.8774300 | 0.4354830 | 3.37216576 | 3.1307946 |
| ## | | NP_054726 | NP_001321 | NP_065698 | NP_065166 | NP_001035521 |
| ## | A0.A12D.01TCGA | NA | 1.2675721 | 3.199140 | 0.2160678 | 0.8256355 |
| ## | C8.A131.01TCGA | NA | 0.6710080 | 4.403154 | 1.5736855 | -0.4219198 |
| ## | A0.A12B.01TCGA | NA | -0.4575105 | -3.459017 | -0.1055333 | -0.3965380 |
| ## | BH.A18Q.02TCGA | -1.085941 | -6.1541941 | -6.030415 | NA | 0.4495897 |
| ## | C8.A130.02TCGA | 2.520140 | 0.1455148 | -1.989680 | NA | 1.0540385 |
| ## | C8.A138.03TCGA | NA | 3.6720512 | -2.603600 | NA | 0.6293114 |
| ## | | NP_061821 | NP_001891 | NP_060519 | NP_003460 | NP_848543 |
| ## | A0.A12D.01TCGA | NA | NA | -1.578347 | 0.5094223 | NA |
| ## | C8.A131.01TCGA | NA | NA | 1.593925 | 0.1124004 | NA |
| ## | A0.A12B.01TCGA | NA | NA | -1.028434 | 1.4908357 | NA |
| ## | BH.A18Q.02TCGA | -0.9956153 | -4.859531 | -1.052487 | -3.0530251 | NA |
| ## | C8.A130.02TCGA | -1.6813721 | -5.958321 | 1.296749 | 0.5423790 | NA |
| ## | C8.A138.03TCGA | NA | NA | -1.283372 | NA | NA |
| ## | | NP_065749 | NP_065853 | NP_003206 | NP_789776 | NP_065148 |
| ## | A0.A12D.01TCGA | NA | 0.8827825 | NA | -0.8125777 | -2.515557 |
| ## | C8.A131.01TCGA | NA | 0.2621720 | NA | -1.9358273 | 12.065793 |
| ## | A0.A12B.01TCGA | NA | -5.3824195 | NA | 1.8178696 | -1.288953 |
| ## | BH.A18Q.02TCGA | -0.1124345 | -5.5286077 | -2.5478725 | 0.2053768 | -7.736560 |
| ## | C8.A130.02TCGA | 0.9228438 | 0.5981368 | 0.3226278 | -1.1598730 | -7.916403 |
| ## | C8.A138.03TCGA | NA | 2.5675951 | 1.0462253 | -1.2760581 | -7.394452 |
| ## | | NP_001771 | NP_110442 | NP_005249 | NP_612213 | NP_254274 |
| ## | A0.A12D.01TCGA | -4.2718744 | 0.40655771 | -0.05442786 | -7.2816150 | NA |
| ## | C8.A131.01TCGA | 0.3512254 | -0.05761056 | -0.02117963 | -0.8793304 | NA |
| ## | A0.A12B.01TCGA | -2.0178502 | 0.75639510 | 1.84835581 | -6.5214953 | NA |
| ## | BH.A18Q.02TCGA | -1.1394667 | -1.07255907 | -1.92228606 | -5.0870173 | NA |
| ## | C8.A130.02TCGA | -2.3898238 | 1.20163262 | -1.36322483 | -1.6288942 | NA |
| ## | C8.A138.03TCGA | -0.2703448 | -1.73320052 | -1.51011503 | 1.4704534 | -2.658457 |
| ## | | NP_001073910 | NP_001023 | NP_060771 | NP_569082 | NP_006849 |
| ## | A0.A12D.01TCGA | -0.7059034 | -0.2296786 | 1.145658558 | 1.34757786 | 3.6677449 |
| ## | C8.A131.01TCGA | -0.1628555 | -0.6971757 | 0.800540202 | 2.39540529 | 1.5170151 |

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|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | A0.A12B.01TCGA | 1.9509003 | -0.1443339 | -1.685273381 | 0.06906958 | -0.9203466 |
| ## | BH.A18Q.02TCGA | NA | 1.2156821 | -0.804928523 | NA | -0.6008602 |
| ## | C8.A130.02TCGA | NA | 1.7920090 | 0.004480487 | NA | -0.3267863 |
| ## | C8.A138.03TCGA | NA | -0.8664585 | NA | NA | 0.3111403 |
| ## | | NP_001231121 | NP_001231118 | NP_001231122 | NP_001121170 | NP_001255973 |
| ## | A0.A12D.01TCGA | -1.6431137 | -1.6431137 | -1.6431137 | 5.229762 | -1.54024915 |
| ## | C8.A131.01TCGA | -1.7901036 | -1.7901036 | -1.7901036 | 1.023174 | 2.97830014 |
| ## | A0.A12B.01TCGA | -1.3111244 | -1.3111244 | -1.3111244 | -3.386958 | -2.55828765 |
| ## | BH.A18Q.02TCGA | 0.8811439 | 0.8811439 | 0.8811439 | -9.850841 | 0.67707564 |
| ## | C8.A130.02TCGA | 2.5168600 | 2.5168600 | 2.5168600 | -0.582616 | -0.04143768 |
| ## | C8.A138.03TCGA | NA | NA | NA | 1.613082 | 0.36234023 |
| ## | | NP_057183 | NP_001008392 | NP_000983 | NP_036469 | NP_055551 |
| ## | A0.A12D.01TCGA | -0.09252584 | 2.3647940 | -0.99163821 | NA | -0.9383010 |
| ## | C8.A131.01TCGA | -0.71741515 | 1.8165583 | 2.21325065 | NA | 3.3668967 |
| ## | A0.A12B.01TCGA | -0.73465784 | 2.7740281 | -2.20353900 | NA | -1.2584664 |
| ## | BH.A18Q.02TCGA | NA | -0.7212940 | -1.61451093 | -5.26097716 | -1.0993221 |
| ## | C8.A130.02TCGA | NA | -3.3311461 | 1.83136744 | -0.09719545 | 0.6210958 |
| ## | C8.A138.03TCGA | 0.34039739 | 0.3221117 | -0.04360222 | 1.77765308 | 0.2672546 |
| ## | | NP_001025160 | NP_542378 | NP_004419 | NP_114107 | NP_002169 |
| ## | A0.A12D.01TCGA | -0.1649120 | NA | -1.559298 | 0.4332263 | 0.9094511 |
| ## | C8.A131.01TCGA | 5.0629588 | NA | -3.931433 | -0.9279050 | 1.3955787 |
| ## | A0.A12B.01TCGA | -0.7651441 | NA | -3.048839 | 2.3638500 | -0.7263434 |
| ## | BH.A18Q.02TCGA | -4.7892783 | -0.8350370 | -1.035760 | 1.1119753 | -0.8618000 |
| ## | C8.A130.02TCGA | -4.1478335 | 0.3685459 | -2.061837 | 0.7850893 | 0.8900451 |
| ## | C8.A138.03TCGA | -0.6616587 | NA | 1.861767 | -1.2321724 | 0.3733116 |
| ## | | NP_000945 | NP_057232 | NP_951009 | NP_057538 | NP_001092255 |
| ## | A0.A12D.01TCGA | -1.26594368 | NA | -0.6678054 | 1.7247479 | -0.6030388 |
| ## | C8.A131.01TCGA | 0.08406528 | NA | -0.6971757 | 1.1972325 | 1.8003668 |
| ## | A0.A12B.01TCGA | 1.93427150 | NA | 0.8256820 | -2.5776880 | 0.6289073 |
| ## | BH.A18Q.02TCGA | 1.93493922 | -4.0164951 | -0.7514024 | 0.3626097 | -8.0142264 |
| ## | C8.A130.02TCGA | -0.75644909 | 0.6998127 | -0.8023673 | -0.4842200 | 1.6903331 |
| ## | C8.A138.03TCGA | -2.06965732 | -0.5482874 | -2.8010852 | 0.7463398 | 1.3497678 |
| ## | | NP_001817 | NP_001034779 | NP_036471 | NP_001171506 | NP_004677 |
| ## | A0.A12D.01TCGA | -1.2849927 | -2.3669754 | 1.50377959 | -0.3401627 | 1.0123156 |
| ## | C8.A131.01TCGA | 0.9219766 | 1.9137075 | 2.65851755 | -1.8953485 | -0.2114300 |
| ## | A0.A12B.01TCGA | -1.9097628 | -2.3421127 | 0.04135484 | -3.4784170 | -2.3809133 |
| ## | BH.A18Q.02TCGA | 0.6636941 | 3.2898189 | -0.63765943 | -6.8299613 | -3.2938926 |
| ## | C8.A130.02TCGA | -0.1332740 | -0.5432576 | -1.62889421 | 0.4341433 | 0.7227718 |
| ## | C8.A138.03TCGA | 1.2217679 | 0.5232543 | 1.09376806 | 1.4338820 | 0.6183400 |
| ## | | NP_001094284 | NP_061180 | NP_777555 | NP_001139345 | NP_068747 |
| ## | A0.A12D.01TCGA | -0.3592117 | NA | -3.555632 | 0.04843669 | 1.69045970 |
| ## | C8.A131.01TCGA | -0.9400486 | NA | -1.539135 | -0.97647953 | 0.03953859 |
| ## | A0.A12B.01TCGA | -4.0604265 | NA | 1.064029 | -1.46355547 | -0.65705657 |
| ## | BH.A18Q.02TCGA | -1.5174949 | NA | -1.316772 | 2.86830076 | 1.09524837 |
| ## | C8.A130.02TCGA | -1.7141708 | NA | -1.963441 | -0.85812502 | -0.24478955 |
| ## | C8.A138.03TCGA | 4.0085080 | NA | -2.442686 | 2.56028087 | -0.16428781 |
| ## | | NP_000724 | NP_002480 | NP_689830 | NP_061039 | NP_078828 |
| ## | A0.A12D.01TCGA | NA | -2.4926987 | 1.49235019 | -0.4735057 | 4.7992550 |
| ## | C8.A131.01TCGA | NA | -0.6728885 | -0.78622912 | 0.8329233 | -0.9643359 |
| ## | A0.A12B.01TCGA | NA | -2.1342521 | 0.06352663 | 0.3850176 | -3.1707834 |
| ## | BH.A18Q.02TCGA | NA | 0.2589029 | 0.88114393 | -2.9660452 | -6.9169412 |
| ## | C8.A130.02TCGA | NA | 1.0671580 | -0.12343440 | -0.3661447 | -0.3267863 |
| ## | C8.A138.03TCGA | NA | 1.5362819 | NA | 0.6256542 | 5.3104495 |
| ## | | NP_919267 | NP_001136156 | NP_001034739 | NP_872302 | NP_061329 |

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|----|----------------|-------------|--------------|------------|--------------|--------------|
| ## | A0.A12D.01TCGA | 4.8602118 | NA | NA | -0.9802088 | 2.7229150 |
| ## | C8.A131.01TCGA | 3.3830882 | NA | NA | -3.0894734 | 1.1648495 |
| ## | A0.A12B.01TCGA | -0.6487422 | NA | NA | -3.5643327 | -0.4214813 |
| ## | BH.A18Q.02TCGA | 0.6135134 | -0.5908241 | NA | -8.6699213 | -5.8731820 |
| ## | C8.A130.02TCGA | 0.3259076 | 0.6604543 | NA | 1.4476228 | -1.2221905 |
| ## | C8.A138.03TCGA | 0.3111403 | -0.8628014 | -1.341887 | 0.3769688 | -1.0602869 |
| ## | | NP_061092 | NP_077275 | NP_071390 | NP_085150 | NP_006496 |
| ## | A0.A12D.01TCGA | NA | -4.2833038 | -0.2792060 | NA | 0.1208229 |
| ## | C8.A131.01TCGA | NA | -3.7695174 | 2.1039579 | NA | 2.7435230 |
| ## | A0.A12B.01TCGA | NA | 2.0867026 | -0.4907681 | NA | -0.9425184 |
| ## | BH.A18Q.02TCGA | -0.537298 | -1.4472418 | 2.8482285 | -1.0056514 | -1.8085431 |
| ## | C8.A130.02TCGA | -0.884364 | 0.1389551 | -1.2451496 | 0.7063724 | 0.4669420 |
| ## | C8.A138.03TCGA | NA | -1.8758289 | -2.3475999 | -1.3199438 | -0.4020019 |
| ## | | NP_005634 | NP_001159968 | NP_110416 | NP_848697 | NP_543010 |
| ## | A0.A12D.01TCGA | NA | -0.7363817 | 3.023889 | 1.877140 | 1.484731 |
| ## | C8.A131.01TCGA | NA | -0.5028775 | 1.286286 | 2.261825 | 1.585829 |
| ## | A0.A12B.01TCGA | NA | -2.2700544 | -1.505128 | -1.588272 | 2.671484 |
| ## | BH.A18Q.02TCGA | -0.32319353 | -2.0561013 | -1.624547 | -1.895523 | 0.128433 |
| ## | C8.A130.02TCGA | 0.04711878 | -2.1011953 | -3.324586 | -3.429542 | 2.172474 |
| ## | C8.A138.03TCGA | -1.03468693 | -0.9469156 | 3.039366 | 3.291709 | -1.327258 |
| ## | | NP_000118 | NP_006755 | NP_009192 | NP_001034786 | NP_001073905 |
| ## | A0.A12D.01TCGA | 0.6160966 | NA | -0.1191944 | NA | -0.3896901 |
| ## | C8.A131.01TCGA | 0.2824114 | NA | 2.4115968 | NA | 0.8167317 |
| ## | A0.A12B.01TCGA | -1.2473805 | NA | -1.0616918 | NA | 0.5762493 |
| ## | BH.A18Q.02TCGA | 1.1220114 | 0.9748146 | -1.2799727 | 0.7239110 | -1.8921776 |
| ## | C8.A130.02TCGA | 0.2537505 | 0.4702219 | -1.0778762 | -0.1595130 | 1.4213838 |
| ## | C8.A138.03TCGA | 1.5691962 | 0.1209690 | NA | 0.5451972 | -0.6141159 |
| ## | | NP_114427 | NP_001015038 | NP_997222 | NP_003471 | NP_991111 |
| ## | A0.A12D.01TCGA | -0.5839898 | -12.249592 | -11.560018 | -0.43159788 | 1.78570465 |
| ## | C8.A131.01TCGA | 0.4605182 | -12.848914 | -9.813004 | -3.44568689 | 1.56558970 |
| ## | A0.A12B.01TCGA | -0.4270242 | -8.478156 | -9.911008 | -3.16801191 | 1.39937704 |
| ## | BH.A18Q.02TCGA | -1.2732820 | -9.011150 | -8.894062 | -3.61170391 | -0.05221761 |
| ## | C8.A130.02TCGA | -0.4284622 | -12.521339 | -11.960481 | -0.08407597 | -1.51737867 |
| ## | C8.A138.03TCGA | -1.7588005 | -6.725195 | -6.725195 | 1.07913950 | 0.53788291 |
| ## | | NP_694570 | NP_001258837 | NP_443714 | NP_001138845 | NP_060328 |
| ## | A0.A12D.01TCGA | -1.2545143 | -1.2545143 | -1.9631367 | NA | NA |
| ## | C8.A131.01TCGA | 0.2621720 | 0.2621720 | 4.0226534 | NA | NA |
| ## | A0.A12B.01TCGA | -0.2163922 | -0.2163922 | -1.0062623 | NA | NA |
| ## | BH.A18Q.02TCGA | -2.0527560 | -2.0527560 | -3.1701135 | 1.0116138 | -1.0123422 |
| ## | C8.A130.02TCGA | 0.2471908 | 0.2471908 | -0.8318861 | -0.4383018 | -0.9729204 |
| ## | C8.A138.03TCGA | 1.8581101 | 1.8581101 | 1.3461107 | -0.3800590 | -3.3423417 |
| ## | | NP_005825 | NP_001161419 | NP_057223 | NP_076416 | NP_001137453 |
| ## | A0.A12D.01TCGA | -0.5839898 | -0.5839898 | -0.2753962 | 3.6182176 | NA |
| ## | C8.A131.01TCGA | 0.9260245 | 0.9260245 | 0.8329233 | -0.7417024 | NA |
| ## | A0.A12B.01TCGA | -0.8843174 | -0.8843174 | -1.1614648 | -0.3106223 | NA |
| ## | BH.A18Q.02TCGA | -0.7580932 | -0.6343140 | -0.1358522 | -2.9091737 | NA |
| ## | C8.A130.02TCGA | 0.4308634 | 0.2603103 | 1.5624182 | -2.5242984 | NA |
| ## | C8.A138.03TCGA | 0.8853111 | 0.3074831 | 0.6366257 | NA | NA |
| ## | | NP_116295 | NP_001073988 | NP_079193 | NP_000352 | NP_001092007 |
| ## | A0.A12D.01TCGA | -1.8640820 | NA | NA | 0.7684885 | -1.041166 |
| ## | C8.A131.01TCGA | -2.6401586 | NA | NA | 2.4480277 | 6.499957 |
| ## | A0.A12B.01TCGA | 0.4293612 | NA | NA | -4.0465691 | -2.292226 |
| ## | BH.A18Q.02TCGA | -0.8952538 | -5.1739972 | 0.5298788 | NA | -4.652118 |
| ## | C8.A130.02TCGA | -0.2611889 | 0.1651941 | -0.3595850 | NA | 4.140395 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A138.03TCGA | -2.1720572 | NA | -0.4166304 | NA | -3.133885 |
| ## | | NP_942094 | NP_001010974 | NP_055974 | NP_003085 | NP_067041 |
| ## | A0.A12D.01TCGA | -2.214583 | -1.734549 | -0.2487276 | -0.004900488 | -0.9878284 |
| ## | C8.A131.01TCGA | -1.644380 | -1.308406 | -0.1264245 | -1.818438759 | -0.4219198 |
| ## | A0.A12B.01TCGA | 1.745811 | 1.864985 | 0.1965574 | -0.086132955 | 0.5014195 |
| ## | BH.A18Q.02TCGA | NA | NA | 0.6302403 | 1.071830701 | -0.2429044 |
| ## | C8.A130.02TCGA | NA | NA | 0.1520746 | 1.450902657 | 1.0868372 |
| ## | C8.A138.03TCGA | -2.164743 | -2.164743 | 0.1721690 | -0.690915853 | 0.4391401 |
| ## | | NP_001001481 | NP_065877 | NP_002440 | NP_006839 | NP_037380 |
| ## | A0.A12D.01TCGA | 0.3646499 | 2.6429092 | 0.9246903 | NA | -1.0868832 |
| ## | C8.A131.01TCGA | 2.0958621 | 4.5367343 | 0.4969491 | NA | 0.4969491 |
| ## | A0.A12B.01TCGA | 0.8062816 | 0.3517599 | -0.4464246 | NA | -2.1370236 |
| ## | BH.A18Q.02TCGA | -0.8751815 | -3.5648686 | NA | -4.3844871 | 0.5365696 |
| ## | C8.A130.02TCGA | 0.3816654 | -0.4776602 | NA | 0.8802055 | -0.3628648 |
| ## | C8.A138.03TCGA | -0.1423450 | 3.8037082 | 0.4025688 | -0.5190303 | -1.1188011 |
| ## | | NP_835225 | NP_001093859 | NP_001028774 | NP_932342 | NP_000341 |
| ## | A0.A12D.01TCGA | -2.5917534 | 0.9361197 | -0.05061807 | 0.02938770 | NA |
| ## | C8.A131.01TCGA | -2.0289286 | -1.3084058 | -1.40555490 | 0.02334706 | NA |
| ## | A0.A12B.01TCGA | -0.9480613 | -0.6293418 | -7.69937169 | -0.51016846 | NA |
| ## | BH.A18Q.02TCGA | -1.8018523 | -1.9055592 | -5.59551535 | 0.35926436 | NA |
| ## | C8.A130.02TCGA | 1.5952169 | -2.0749564 | -1.27466837 | 0.37182580 | NA |
| ## | C8.A138.03TCGA | -2.5341140 | -0.6068017 | -0.62508735 | -1.21754389 | -3.821427 |
| ## | | NP_003298 | NP_001241667 | NP_078907 | NP_001034864 | NP_078792 |
| ## | A0.A12D.01TCGA | NA | 0.5437104 | 0.67705338 | NA | 0.5208517 |
| ## | C8.A131.01TCGA | NA | 1.4643927 | 1.44010539 | NA | 0.9786470 |
| ## | A0.A12B.01TCGA | NA | -0.9009463 | 0.62336436 | NA | 1.5434937 |
| ## | BH.A18Q.02TCGA | -0.2930851 | -0.8985992 | NA | NA | -0.1860329 |
| ## | C8.A130.02TCGA | 0.7424510 | -0.3628648 | NA | NA | 2.3692659 |
| ## | C8.A138.03TCGA | 6.7550195 | -0.7165158 | -0.02531652 | 4.725307 | 0.7097684 |
| ## | | XP_003960361 | XP_291007 | NP_653185 | NP_064603 | NP_001253994 |
| ## | A0.A12D.01TCGA | -1.4640532 | -1.4640532 | 0.6922926 | -1.3078515 | NA |
| ## | C8.A131.01TCGA | 0.6993432 | 0.6993432 | 0.1164483 | 1.0393652 | NA |
| ## | A0.A12B.01TCGA | -3.9412531 | -3.9412531 | -0.8039447 | -0.8981748 | NA |
| ## | BH.A18Q.02TCGA | -2.6950693 | -1.1528482 | -0.5038442 | -0.1626152 | -4.1770734 |
| ## | C8.A130.02TCGA | 1.2311514 | 1.1196359 | 1.3623462 | 0.9490827 | -1.6387338 |
| ## | C8.A138.03TCGA | 1.2693107 | 1.2693107 | -1.5210864 | -1.5978864 | -0.4934303 |
| ## | | NP_001253996 | NP_001988 | NP_000291 | NP_003135 | NP_055132 |
| ## | A0.A12D.01TCGA | NA | 0.8027767 | NA | 3.2372378 | -0.06966706 |
| ## | C8.A131.01TCGA | NA | -4.2795504 | NA | 2.1322930 | -2.46205183 |
| ## | A0.A12B.01TCGA | NA | 0.4737048 | NA | -1.4774128 | 1.46312094 |
| ## | BH.A18Q.02TCGA | -4.177073 | -1.2331374 | -4.200491 | 1.1487745 | NA |
| ## | C8.A130.02TCGA | -1.638734 | 1.1425950 | -3.495140 | -0.7498894 | NA |
| ## | C8.A138.03TCGA | NA | -0.3398305 | -2.746228 | 0.7207399 | NA |
| ## | | NP_001092086 | NP_710142 | NP_783640 | NP_055232 | NP_055094 |
| ## | A0.A12D.01TCGA | 2.0371513 | 2.4828977 | -2.2717304 | 3.1153242 | -1.9898053 |
| ## | C8.A131.01TCGA | 0.1326398 | 0.5131407 | -3.2432928 | 2.0918142 | -0.6769363 |
| ## | A0.A12B.01TCGA | 1.4852927 | -0.7512867 | 3.7080148 | -2.7439764 | 0.1244991 |
| ## | BH.A18Q.02TCGA | -5.4148647 | -6.7362906 | -0.2495951 | 1.0551038 | -5.1405434 |
| ## | C8.A130.02TCGA | -2.8686846 | 2.1626342 | -1.1139548 | 0.3095083 | 0.7260516 |
| ## | C8.A138.03TCGA | 0.1173119 | 3.0357090 | NA | 0.7902255 | 0.9401682 |
| ## | | NP_001170858 | NP_076422 | NP_055519 | NP_065868 | NP_008955 |
| ## | A0.A12D.01TCGA | NA | 0.0179583 | 0.570379035 | -0.7516209 | 0.2351168 |
| ## | C8.A131.01TCGA | NA | -1.6160447 | 0.278363562 | 0.3836085 | 0.2621720 |
| ## | A0.A12B.01TCGA | NA | -1.0118052 | -0.005760212 | -3.4451593 | -0.6099415 |

| | | | | | | |
|----|----------------|-------------|-------------|--------------|--------------|--------------|
| ## | BH.A18Q.02TCGA | NA | 0.4027543 | 1.132047574 | -8.5059976 | -0.1893783 |
| ## | C8.A130.02TCGA | NA | 0.4341433 | 0.463662128 | -0.5924556 | -1.2812281 |
| ## | C8.A138.03TCGA | 2.845538 | 2.4944524 | -5.324511176 | 1.7739959 | 0.4793687 |
| ## | | NP_112561 | NP_057701 | NP_003477 | NP_078983 | NP_060972 |
| ## | AO.A12D.01TCGA | 3.4277277 | 0.6199064 | -3.2203701 | -1.2659437 | -0.1153846 |
| ## | C8.A131.01TCGA | 0.3998000 | -0.8145643 | 0.6629123 | 0.9138809 | 0.2986030 |
| ## | AO.A12B.01TCGA | 0.3046449 | 2.0257301 | -4.7643809 | 1.0473999 | 0.2603013 |
| ## | BH.A18Q.02TCGA | 1.5167665 | -0.4503180 | -3.2738203 | 1.0183046 | NA |
| ## | C8.A130.02TCGA | 3.4680220 | -0.2316701 | -0.6547732 | 0.3291875 | NA |
| ## | C8.A138.03TCGA | -1.9928574 | 0.3915973 | -3.5690844 | -0.3361734 | 2.5968523 |
| ## | | NP_689755 | NP_775816 | NP_060173 | NP_061189 | NP_612635 |
| ## | AO.A12D.01TCGA | NA | NA | -0.98401862 | NA | 1.0123156 |
| ## | C8.A131.01TCGA | NA | NA | -1.08982019 | NA | 0.4483746 |
| ## | AO.A12B.01TCGA | NA | NA | 0.03026895 | NA | 1.3661194 |
| ## | BH.A18Q.02TCGA | 0.1886499 | -2.6415432 | NA | 3.87526070 | -0.4536634 |
| ## | C8.A130.02TCGA | -0.9040432 | 0.7785295 | NA | 0.05367852 | 0.8375672 |
| ## | C8.A138.03TCGA | -0.2886305 | NA | -1.07491546 | 2.01170999 | NA |
| ## | | NP_443197 | NP_009144 | NP_620128 | NP_116221 | NP_055278 |
| ## | AO.A12D.01TCGA | -0.03918867 | 0.5208517 | NA | 1.27519170 | -1.1897477 |
| ## | C8.A131.01TCGA | -1.68890657 | -0.2316694 | NA | 1.15675372 | 0.4686140 |
| ## | AO.A12B.01TCGA | 0.09124137 | -0.6792284 | NA | 0.04966926 | -0.6348848 |
| ## | BH.A18Q.02TCGA | 0.27897520 | -1.8888322 | NA | NA | 2.1758067 |
| ## | C8.A130.02TCGA | 0.25703039 | -0.5465375 | NA | NA | 0.7030926 |
| ## | C8.A138.03TCGA | -1.57594353 | 0.7938826 | NA | 2.22748120 | -1.6527435 |
| ## | | NP_078970 | NP_055722 | NP_112592 | NP_640338 | NP_001008723 |
| ## | AO.A12D.01TCGA | 3.8087075 | 2.1628747 | 2.77244237 | 0.7265808 | NA |
| ## | C8.A131.01TCGA | 1.4158181 | 0.3431297 | 0.45647032 | 0.1650229 | NA |
| ## | AO.A12B.01TCGA | -1.5439282 | -3.2511561 | -0.09167590 | 0.1106417 | NA |
| ## | BH.A18Q.02TCGA | -0.7313301 | -0.3365751 | 1.42644118 | -2.0092660 | -2.815503 |
| ## | C8.A130.02TCGA | 2.1429550 | 1.7428110 | 0.06351813 | -1.9306421 | -1.474740 |
| ## | C8.A138.03TCGA | 2.2311383 | -2.6401710 | NA | 0.4098830 | 1.027940 |
| ## | | NP_112200 | NP_115599 | NP_619542 | NP_001768 | NP_536724 |
| ## | AO.A12D.01TCGA | 1.6904597 | 0.73420036 | -0.5877996 | -0.92687164 | 3.1648516 |
| ## | C8.A131.01TCGA | -0.5271647 | 0.01120342 | 2.8892468 | 0.05573011 | 0.4969491 |
| ## | AO.A12B.01TCGA | -1.4912702 | -0.33556560 | 0.1854715 | -3.89413806 | -1.5217564 |
| ## | BH.A18Q.02TCGA | NA | -0.48711725 | -1.2030290 | 1.05844917 | 2.7512124 |
| ## | C8.A130.02TCGA | NA | 1.18523328 | -1.8322461 | -2.20943100 | -0.5432576 |
| ## | C8.A138.03TCGA | 2.4213096 | -1.47354363 | -3.2289704 | 0.02222628 | 1.5618819 |
| ## | | NP_005181 | NP_002935 | NP_001136235 | NP_001136243 | NP_071937 |
| ## | AO.A12D.01TCGA | 0.21225801 | 1.5914049 | -1.776457 | -1.77645663 | NA |
| ## | C8.A131.01TCGA | 0.04763435 | 1.5089194 | -1.385315 | -0.02117963 | NA |
| ## | AO.A12B.01TCGA | 0.14112790 | -2.4779149 | -1.338839 | -1.33883915 | NA |
| ## | BH.A18Q.02TCGA | 0.23548523 | -5.0803265 | NA | NA | NA |
| ## | C8.A130.02TCGA | 0.37510567 | 0.4472628 | NA | NA | NA |
| ## | C8.A138.03TCGA | 0.38062592 | 0.8450826 | NA | NA | 3.525766 |
| ## | | NP_079452 | NP_055749 | NP_997186 | NP_060169 | NP_002428 |
| ## | AO.A12D.01TCGA | NA | 0.7189612 | NA | 2.42575074 | -1.3611886 |
| ## | C8.A131.01TCGA | NA | 0.2662199 | NA | 0.62243344 | -0.6243139 |
| ## | AO.A12B.01TCGA | NA | 2.7684851 | NA | 0.03858337 | -1.3166674 |
| ## | BH.A18Q.02TCGA | -2.6415432 | -3.0262621 | -6.0772503 | -7.89044731 | 0.8844893 |
| ## | C8.A130.02TCGA | -0.7958075 | -2.0585570 | -0.2251103 | 1.88056548 | -0.8220465 |
| ## | C8.A138.03TCGA | -1.4698865 | NA | 1.1669108 | 2.51639519 | 1.6715960 |
| ## | | NP_115740 | NP_001186 | NP_001265536 | NP_001637 | NP_115830 |
| ## | AO.A12D.01TCGA | NA | 1.9723848 | 2.410512 | NA | NA |

| | | | | | |
|-------------------|--------------|--------------|--------------|--------------|--------------|
| ## C8.A131.01TCGA | NA | 1.0231737 | 0.262172 | NA | NA |
| ## A0.A12B.01TCGA | NA | -3.3259859 | -2.148110 | NA | NA |
| ## BH.A18Q.02TCGA | NA | -3.8826798 | -6.090632 | 0.5800596 | 1.3394612 |
| ## C8.A130.02TCGA | NA | 2.1560745 | -2.612855 | 0.1455148 | 0.3619862 |
| ## C8.A138.03TCGA | NA | 0.6878256 | 3.631823 | -0.1240593 | NA |
| ## | NP_004170 | NP_705838 | NP_002496 | NP_000302 | NP_006349 |
| ## A0.A12D.01TCGA | NA | 0.9780274 | -1.19355751 | 1.5875951 | 4.8678314 |
| ## C8.A131.01TCGA | NA | -0.7619418 | -0.06165844 | -0.1345203 | -0.3935847 |
| ## A0.A12B.01TCGA | NA | -0.2884505 | 0.63999320 | -4.1380278 | 0.1272705 |
| ## BH.A18Q.02TCGA | -0.09905295 | -8.5729052 | 0.74063790 | 2.2393690 | -0.7045671 |
| ## C8.A130.02TCGA | 1.15243459 | 1.3229878 | 0.10287655 | -2.1667927 | -0.1431136 |
| ## C8.A138.03TCGA | 0.08074051 | 1.1083966 | 0.51594007 | 0.2526261 | 1.5143391 |
| ## | NP_001010870 | NP_005606 | NP_003794 | XP_003960229 | NP_653252 |
| ## A0.A12D.01TCGA | 0.9970764 | -2.1498169 | 3.6067882 | -0.4849351 | 2.9400735 |
| ## C8.A131.01TCGA | 1.2943817 | 0.9907906 | -6.7082789 | -0.5635957 | 1.6870261 |
| ## A0.A12B.01TCGA | -1.5300708 | -1.3028100 | -4.8696969 | 1.4187774 | -4.7228087 |
| ## BH.A18Q.02TCGA | -2.6582701 | 2.9051000 | -5.7226399 | -2.0661375 | -3.7789730 |
| ## C8.A130.02TCGA | 0.4210238 | 0.4571024 | -0.2349499 | 0.3095083 | 0.5423790 |
| ## C8.A138.03TCGA | -0.6580016 | NA | -1.0529726 | 0.2014261 | 0.9913682 |
| ## | NP_001092253 | NP_000766 | NP_002925 | NP_075053 | NP_001001660 |
| ## A0.A12D.01TCGA | -0.3782607 | NA | 0.0217681 | -2.28696959 | -0.03918867 |
| ## C8.A131.01TCGA | -1.6281884 | NA | 2.4399320 | -0.50692534 | -1.68890657 |
| ## A0.A12B.01TCGA | -0.2801361 | NA | -0.2579643 | -3.51998909 | 0.81459605 |
| ## BH.A18Q.02TCGA | 1.2357544 | NA | -1.6312378 | 0.04479847 | 2.15907981 |
| ## C8.A130.02TCGA | 0.1258356 | NA | -1.3927437 | -2.27502838 | 1.76577007 |
| ## C8.A138.03TCGA | -0.2520592 | 1.042568 | -0.8262300 | NA | -0.47880178 |
| ## | NP_066921 | NP_066919 | NP_694941 | NP_001078841 | NP_002489 |
| ## A0.A12D.01TCGA | NA | -0.7592405 | 0.3684597 | 0.273214778 | NA |
| ## C8.A131.01TCGA | NA | 8.6817644 | -1.7536727 | 1.488679960 | NA |
| ## A0.A12B.01TCGA | NA | -1.7490173 | -3.5809615 | 1.526864841 | NA |
| ## BH.A18Q.02TCGA | -4.223909 | NA | -9.4895398 | -1.741635444 | -0.76143856 |
| ## C8.A130.02TCGA | 1.181953 | NA | 0.2504707 | -0.969640566 | 0.05695839 |
| ## C8.A138.03TCGA | 1.101082 | -0.8152586 | 2.9918233 | 0.003940589 | NA |
| ## | NP_057389 | NP_001994 | NP_001035887 | NP_065695 | NP_000542 |
| ## A0.A12D.01TCGA | NA | -0.9421108 | 3.446777 | NA | -1.54024915 |
| ## C8.A131.01TCGA | NA | 5.2208262 | 3.787876 | NA | 0.05168223 |
| ## A0.A12B.01TCGA | NA | -2.4723720 | -1.438612 | NA | -2.36982743 |
| ## BH.A18Q.02TCGA | 0.1150515 | -6.7563629 | -1.022378 | -2.792085 | -0.20610517 |
| ## C8.A130.02TCGA | -0.8286062 | -5.6303342 | -1.359945 | -0.257909 | 0.34886672 |
| ## C8.A138.03TCGA | 0.9657682 | NA | 2.604167 | 2.556624 | -0.02165938 |
| ## | NP_937799 | NP_931045 | NP_001265360 | NP_000558 | NP_065155 |
| ## A0.A12D.01TCGA | -1.6164451 | NA | -0.8811541 | 4.833543 | NA |
| ## C8.A131.01TCGA | 1.7436965 | NA | 0.3390818 | 0.128592 | NA |
| ## A0.A12B.01TCGA | -2.7134902 | NA | -3.0432956 | -1.025663 | NA |
| ## BH.A18Q.02TCGA | -0.5205711 | -1.4104426 | NA | -1.213065 | NA |
| ## C8.A130.02TCGA | 0.2242317 | 3.2581104 | NA | -1.120515 | NA |
| ## C8.A138.03TCGA | 0.2233689 | -0.6031445 | 0.4866830 | -3.163142 | 2.253081 |
| ## | XP_003960392 | NP_001028174 | NP_665698 | NP_001193884 | NP_783302 |
| ## A0.A12D.01TCGA | -0.5116036 | -1.7916958 | 2.91340491 | 2.6429092 | 2.6429092 |
| ## C8.A131.01TCGA | -1.9115400 | -0.8914740 | -0.08594572 | -0.3207228 | -0.3207228 |
| ## A0.A12B.01TCGA | 0.2131862 | 1.1582588 | 0.04689779 | -2.9407510 | -2.9407510 |
| ## BH.A18Q.02TCGA | -11.0183793 | 1.3093528 | -3.25709343 | -3.7120654 | -12.0086124 |
| ## C8.A130.02TCGA | -0.7826880 | -0.7039712 | 0.46694200 | -0.1496734 | 0.4439829 |
| ## C8.A138.03TCGA | NA | -1.7588005 | 1.05353953 | 1.4923962 | 1.4923962 |

| | | | | | | |
|----|----------------|--------------|--------------|-------------|--------------|--------------|
| ## | | NP_001010852 | NP_001028284 | NP_079119 | NP_937983 | NP_001157413 |
| ## | AO.A12D.01TCGA | 2.841019 | 1.00088623 | 1.3399583 | 0.6961024 | 0.9208805 |
| ## | C8.A131.01TCGA | -2.085599 | -0.44620712 | -0.9764795 | 2.5006502 | 0.9786470 |
| ## | AO.A12B.01TCGA | -3.858109 | -0.77900142 | 1.3550335 | -1.6464727 | -1.4441552 |
| ## | BH.A18Q.02TCGA | -9.857532 | 0.07490691 | -2.4174026 | NA | -0.6677679 |
| ## | C8.A130.02TCGA | -1.320587 | 0.62109583 | -2.4587010 | NA | -0.7498894 |
| ## | C8.A138.03TCGA | 2.311595 | 0.51959721 | 0.4464544 | 0.8889683 | -0.8957156 |
| ## | | NP_110433 | NP_001098549 | NP_060331 | NP_071428 | NP_036248 |
| ## | AO.A12D.01TCGA | -1.3078515 | NA | NA | -2.2298226 | -1.4716728 |
| ## | C8.A131.01TCGA | -1.6362841 | NA | NA | 1.7234571 | -0.3692974 |
| ## | AO.A12B.01TCGA | -2.6026312 | NA | NA | -1.6547872 | -1.4940417 |
| ## | BH.A18Q.02TCGA | -3.7087200 | 2.814775 | -6.0170335 | 0.2890113 | NA |
| ## | C8.A130.02TCGA | -0.3464655 | 0.191433 | -0.4415817 | -0.4776602 | NA |
| ## | C8.A138.03TCGA | 2.8016520 | NA | 3.8402796 | -2.1135430 | NA |
| ## | | NP_005208 | NP_001245249 | NP_075051 | NP_000012 | NP_000438 |
| ## | AO.A12D.01TCGA | -1.201177 | 6.567001 | NA | 3.8810936 | 5.3745345 |
| ## | C8.A131.01TCGA | 8.078630 | 2.205155 | NA | 1.0960355 | 2.5046981 |
| ## | AO.A12B.01TCGA | -1.543928 | -2.159195 | NA | -1.1614648 | -0.1969919 |
| ## | BH.A18Q.02TCGA | -8.676612 | -3.635122 | -4.046604 | -3.5146878 | NA |
| ## | C8.A130.02TCGA | -7.703211 | -1.363225 | -1.317307 | 0.1225558 | NA |
| ## | C8.A138.03TCGA | -8.615936 | 3.266109 | NA | 1.2327393 | NA |
| ## | | NP_001121070 | NP_478061 | NP_065111 | NP_060394 | NP_612417 |
| ## | AO.A12D.01TCGA | 0.7303906 | 1.1647075 | -0.03156908 | -0.3249235 | -2.2907794 |
| ## | C8.A131.01TCGA | -3.3728250 | 0.5536195 | 1.62630791 | 0.9422160 | -2.2029874 |
| ## | AO.A12B.01TCGA | -2.7218046 | 1.3328617 | -0.96746165 | -0.8676886 | 1.5157789 |
| ## | BH.A18Q.02TCGA | -0.7848562 | -1.6345832 | 0.12843302 | -0.1023983 | -0.2362136 |
| ## | C8.A130.02TCGA | 0.5128602 | -0.7039712 | -0.31694666 | 0.3882251 | -0.5465375 |
| ## | C8.A138.03TCGA | -0.2191449 | -3.4483988 | 2.54565231 | -0.4458875 | -0.4568589 |
| ## | | NP_056207 | NP_065099 | NP_945173 | NP_002951 | NP_079357 |
| ## | AO.A12D.01TCGA | -0.7820993 | NA | -1.5212002 | NA | 0.9780274 |
| ## | C8.A131.01TCGA | -0.6971757 | NA | -0.5797872 | NA | -0.5433563 |
| ## | AO.A12B.01TCGA | 1.0446284 | NA | 0.1993289 | NA | -2.2118534 |
| ## | BH.A18Q.02TCGA | -2.9593544 | -6.140813 | -1.3067358 | NA | -1.1528482 |
| ## | C8.A130.02TCGA | -3.4065831 | -1.425542 | 2.3430270 | NA | 1.8707259 |
| ## | C8.A138.03TCGA | 2.0373100 | 2.995480 | -0.9286299 | -2.815714 | 0.6878256 |
| ## | | NP_001127835 | NP_001984 | NP_065744 | NP_001025051 | NP_115696 |
| ## | AO.A12D.01TCGA | 0.5703790 | 2.1400159 | 0.6427652 | NA | NA |
| ## | C8.A131.01TCGA | -0.8550431 | 1.5129672 | 0.6345771 | NA | NA |
| ## | AO.A12B.01TCGA | -0.9591472 | -1.7296170 | 2.2529910 | NA | NA |
| ## | BH.A18Q.02TCGA | -1.8319608 | 0.8075455 | NA | -0.7313301 | NA |
| ## | C8.A130.02TCGA | 0.5161400 | -2.6882919 | NA | 1.8084084 | NA |
| ## | C8.A138.03TCGA | -0.3069162 | 1.4923962 | -1.8356004 | -0.2484020 | NA |
| ## | | NP_976043 | NP_003753 | NP_068809 | NP_001002759 | NP_001004316 |
| ## | AO.A12D.01TCGA | 0.1551110 | 3.3286729 | 0.2122580 | 2.2047824 | 0.45227529 |
| ## | C8.A131.01TCGA | -0.6162181 | 1.0393652 | -0.9481444 | -1.4419858 | 1.02317365 |
| ## | AO.A12B.01TCGA | 2.0894740 | -0.1332480 | 1.6709815 | -0.7817729 | -3.55324677 |
| ## | BH.A18Q.02TCGA | 0.3659551 | NA | 0.4395535 | -6.3314994 | -1.52084024 |
| ## | C8.A130.02TCGA | 0.9982808 | NA | 0.6670140 | -0.4481414 | -0.40550312 |
| ## | C8.A138.03TCGA | -0.6616587 | 0.7865684 | -0.3983447 | 0.1502262 | -0.01800225 |
| ## | | NP_060323 | NP_005186 | NP_000407 | NP_525021 | NP_004279 |
| ## | AO.A12D.01TCGA | -0.36302152 | 1.522829 | NA | NA | 0.5779986 |
| ## | C8.A131.01TCGA | -0.14261605 | 1.654643 | NA | NA | 0.1974059 |
| ## | AO.A12B.01TCGA | -0.30507939 | -2.768920 | NA | NA | 1.7679831 |
| ## | BH.A18Q.02TCGA | 1.20230059 | NA | -0.4202096 | NA | 4.7182969 |

| | | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|------------|
| ## | C8.A130.02TCGA | 0.01759996 | NA | -1.3763443 | NA | -0.7269303 | -1.0352379 |
| ## | C8.A138.03TCGA | -0.95057273 | NA | NA | NA | NA | 0.5451972 |
| ## | | NP_001243342 | NP_006071 | NP_054796 | NP_542172 | NP_659494 | |
| ## | A0.A12D.01TCGA | 1.9723848 | -1.66978229 | 0.28083438 | 0.5094223 | 1.89618880 | |
| ## | C8.A131.01TCGA | 1.6263079 | 0.53338006 | 0.03144283 | 5.8968223 | 0.48885337 | |
| ## | A0.A12B.01TCGA | -3.1957266 | -0.28567907 | -0.80948764 | -1.7213025 | -1.10603534 | |
| ## | BH.A18Q.02TCGA | 0.9547423 | -0.04552684 | 1.40636889 | -11.5937850 | -0.10908910 | |
| ## | C8.A130.02TCGA | -1.7043312 | -0.29070771 | 0.55549846 | -1.4976995 | -0.88108411 | |
| ## | C8.A138.03TCGA | 0.8048541 | -0.27400199 | -0.64703018 | NA | 0.09536907 | |
| ## | | NP_543011 | NP_065186 | NP_997246 | NP_003587 | NP_004420 | |
| ## | A0.A12D.01TCGA | 3.8353761 | -1.8374134 | 0.5589496 | -1.0906930 | -0.9078227 | |
| ## | C8.A131.01TCGA | 0.2662199 | -0.9764795 | 1.5332066 | 0.8976893 | -0.1142809 | |
| ## | A0.A12B.01TCGA | -4.0604265 | -0.2967650 | 1.4686639 | -1.1642363 | 1.1194582 | |
| ## | BH.A18Q.02TCGA | -1.3401896 | -4.0064590 | -7.3986762 | 1.1721922 | NA | |
| ## | C8.A130.02TCGA | -1.5337780 | -0.7531692 | -3.1343540 | -1.1139548 | NA | |
| ## | C8.A138.03TCGA | 4.5205075 | -0.2630306 | NA | 1.0169681 | NA | |
| ## | | NP_001856 | NP_060229 | NP_057725 | NP_058649 | NP_001070665 | |
| ## | A0.A12D.01TCGA | 2.18573346 | 0.8599237 | -0.8621051 | NA | 0.8789727 | |
| ## | C8.A131.01TCGA | 0.02334706 | 1.1000834 | -1.2841185 | NA | -2.6523022 | |
| ## | A0.A12B.01TCGA | -0.95360428 | -2.0954515 | -2.4113995 | NA | -2.1314807 | |
| ## | BH.A18Q.02TCGA | 2.17580671 | -1.4706595 | -14.7752432 | -1.517495 | -1.5174949 | |
| ## | C8.A130.02TCGA | -0.32022653 | -0.5793362 | -15.0041994 | -1.569857 | -1.5698566 | |
| ## | C8.A138.03TCGA | -0.01800225 | -1.0237155 | 3.6647369 | NA | NA | |
| ## | | NP_001070826 | NP_061907 | NP_001002292 | NP_057150 | NP_001257513 | |
| ## | A0.A12D.01TCGA | NA | NA | 2.0295317 | 0.8027767 | 1.5113992 | |
| ## | C8.A131.01TCGA | NA | NA | 2.7070921 | -0.5433563 | 0.3552733 | |
| ## | A0.A12B.01TCGA | NA | NA | 0.2242721 | 0.5568490 | -3.7029064 | |
| ## | BH.A18Q.02TCGA | -1.517495 | 1.9382846 | NA | 1.3796058 | -12.7445964 | |
| ## | C8.A130.02TCGA | -1.569857 | -0.6875718 | NA | 1.3525066 | -2.1438336 | |
| ## | C8.A138.03TCGA | NA | NA | 1.1851965 | -1.8612004 | NA | |
| ## | | NP_009186 | NP_005075 | NP_660310 | NP_001154970 | NP_008862 | |
| ## | A0.A12D.01TCGA | NA | NA | 2.07143951 | NA | 2.0219121 | |
| ## | C8.A131.01TCGA | NA | NA | 1.66678672 | NA | 7.0464205 | |
| ## | A0.A12B.01TCGA | NA | NA | 2.27793426 | NA | -1.7517888 | |
| ## | BH.A18Q.02TCGA | -0.5774426 | 3.3834896 | -1.33684424 | -1.0524868 | -7.0607926 | |
| ## | C8.A130.02TCGA | -1.2582690 | -0.1463935 | 1.51650003 | -0.7728484 | 3.6254557 | |
| ## | C8.A138.03TCGA | 1.5911390 | NA | -0.09845931 | NA | -0.1533164 | |
| ## | | NP_703150 | NP_689521 | NP_000431 | NP_444513 | NP_619639 | |
| ## | A0.A12D.01TCGA | 2.021912 | NA | 0.7494395 | 8.3118889 | -0.2411080 | |
| ## | C8.A131.01TCGA | 7.046420 | NA | 0.2216932 | 0.5657631 | 2.5856557 | |
| ## | A0.A12B.01TCGA | -1.751789 | NA | 2.0700737 | 0.3739317 | -0.6016271 | |
| ## | BH.A18Q.02TCGA | -2.470929 | 0.7607102 | -1.3368442 | -0.7212940 | 1.1320476 | |
| ## | C8.A130.02TCGA | -2.048717 | -0.7597290 | -1.4616209 | -4.2855880 | 1.8740057 | |
| ## | C8.A138.03TCGA | -1.894115 | NA | NA | -6.1729675 | -4.0627982 | |
| ## | | NP_001099129 | NP_056343 | NP_064608 | NP_060035 | NP_071383 | |
| ## | A0.A12D.01TCGA | 2.04477092 | 0.58180843 | NA | NA | 0.73039056 | |
| ## | C8.A131.01TCGA | 0.60624192 | -0.03332327 | NA | NA | -0.47454229 | |
| ## | A0.A12B.01TCGA | -0.04178937 | 0.73422331 | NA | NA | 1.54626516 | |
| ## | BH.A18Q.02TCGA | -7.35518621 | -1.49073181 | 0.11505149 | 1.0183046 | -0.02879993 | |
| ## | C8.A130.02TCGA | 1.08027747 | -1.11395480 | -0.03159807 | 0.3947849 | 1.19179302 | |
| ## | C8.A138.03TCGA | 0.19411182 | -0.32154480 | 0.09902621 | -2.8230280 | 0.55251146 | |
| ## | | NP_778230 | NP_001035755 | NP_775741 | NP_112211 | NP_004749 | |
| ## | A0.A12D.01TCGA | -1.7116901 | 1.3856758 | 2.99722047 | 1.5342580 | NA | |
| ## | C8.A131.01TCGA | 0.1326398 | 0.1731187 | 1.39557870 | 2.3954053 | NA | |

```

## AO.A12B.01TCGA -1.0145767 -0.6265704 -3.45624519 -0.5517406 NA
## BH.A18Q.02TCGA -2.2267158 NA 0.03141694 0.8777986 -6.4452423
## C8.A130.02TCGA 0.4407030 NA -0.23494994 -2.4718205 0.4866212
## C8.A138.03TCGA 0.4062259 -0.5190303 2.65170934 -0.6177731 4.2352506
## NP_861452 NP_861520 NP_004326 NP_660299 NP_660327
## AO.A12D.01TCGA NA -0.4354077 3.3020043 NA -0.35540192
## C8.A131.01TCGA NA 0.4159915 0.1124004 NA -0.62431388
## AO.A12B.01TCGA NA 0.7369948 -1.3305247 NA -0.05287527
## BH.A18Q.02TCGA NA -2.0694829 -1.8787961 0.8911801 1.87472235
## C8.A130.02TCGA NA -0.3989434 -1.8683246 -0.5563771 -0.66789263
## C8.A138.03TCGA 2.860166 1.8398245 2.6553665 0.4427973 0.64759708
## NP_001160072 NP_061908 NP_002333 NP_060174 NP_116191
## AO.A12D.01TCGA -0.7744797 -0.2715864 NA 0.55894964 0.7303906
## C8.A131.01TCGA -1.6524756 1.7153613 NA -1.13029900 0.3350339
## AO.A12B.01TCGA -0.7568296 -4.0715124 NA -0.09167590 0.7674810
## BH.A18Q.02TCGA 1.8747223 -1.4104426 -2.5947078 1.42978656 0.8343086
## C8.A130.02TCGA -0.6678926 -0.2119909 1.3229878 -0.08735584 -1.4976995
## C8.A138.03TCGA 0.6475971 -8.7110220 0.8743397 -0.02897366 0.3294260
## NP_001030013 NP_001070148 NP_113634 NP_060420 NP_001230271
## AO.A12D.01TCGA -1.19355751 -0.3134941 NA NA NA
## C8.A131.01TCGA 0.03144283 -0.8348037 NA NA NA
## AO.A12B.01TCGA 0.07184106 1.4548065 NA NA NA
## BH.A18Q.02TCGA -1.07590445 -0.7179486 -2.4240933 -1.738290 -1.738290
## C8.A130.02TCGA 0.18487328 0.7719698 0.1881531 -1.018839 -1.018839
## C8.A138.03TCGA 0.95479677 -0.9066871 NA NA NA
## NP_006310 NP_002482 NP_006094 NP_002989 NP_057425 NP_006703
## AO.A12D.01TCGA 0.9170707 0.4560851 -4.736670 NA NA NA
## C8.A131.01TCGA -1.2719748 -0.4178720 -2.300137 NA NA NA
## AO.A12B.01TCGA -2.7578338 -2.5943168 4.547771 NA NA NA
## BH.A18Q.02TCGA -0.1157799 0.2421760 -2.380603 -6.0739050 1.3327705 NA
## C8.A130.02TCGA -1.4976995 -0.9958795 -2.835886 0.8736457 -0.5268583 NA
## C8.A138.03TCGA 3.1783374 0.7463398 3.057652 2.4469096 -0.4861161 0.7061113
## NP_001265319 NP_057400 NP_001186018 NP_001186021 NP_079512
## AO.A12D.01TCGA 1.374246 -0.3096843 1.1418488 1.1418488 3.2029496
## C8.A131.01TCGA 8.082678 -2.8546963 1.8489414 0.3674169 1.2781902
## AO.A12B.01TCGA -2.383685 -0.4020810 0.2713872 0.2547583 -0.2745932
## BH.A18Q.02TCGA NA 1.3093528 -0.4202096 1.9784292 -3.6919931
## C8.A130.02TCGA NA 0.4636621 -1.4714605 -1.0089990 -3.0425177
## C8.A138.03TCGA 4.611936 -1.9672574 0.5451972 -0.9615442 NA
## NP_060665 NP_055510 NP_078827 NP_510870 NP_001008216
## AO.A12D.01TCGA 1.3666269 NA NA NA 0.1474914
## C8.A131.01TCGA -0.7295588 NA NA NA -0.5878830
## AO.A12B.01TCGA 0.9587127 NA NA NA -1.2529235
## BH.A18Q.02TCGA -0.2596313 NA -0.7346755 NA 0.3726459
## C8.A130.02TCGA -1.4091430 NA -0.5563771 NA 0.9195639
## C8.A138.03TCGA 1.5143391 2.757766 1.9934243 NA -1.2358296
## NP_001157871 NP_859065 NP_003623 NP_690850 NP_066951
## AO.A12D.01TCGA 3.1381830 3.8125173 1.0999410 1.18375654 -2.1421973
## C8.A131.01TCGA 0.5940983 0.3998000 0.3026508 -0.06165844 -2.3972857
## AO.A12B.01TCGA -0.3050794 -0.9064892 0.4376756 -0.32170823 -0.3494230
## BH.A18Q.02TCGA -2.7987761 NA NA NA 0.7205656
## C8.A130.02TCGA 1.1097963 NA NA NA 0.7588503
## C8.A138.03TCGA 1.7045103 1.8288530 -0.6653159 0.65856850 -0.3764019
## NP_127491 NP_001002261 NP_848930 NP_036229 NP_003084

```

| | | | | | | | |
|----|----------------|--------------|--------------|-------------|--------------|--------------|-----------|
| ## | A0.A12D.01TCGA | 0.2274972 | NA | 1.8123732 | 1.48092080 | 0.01414850 | |
| ## | C8.A131.01TCGA | 1.5291588 | NA | -0.4219198 | 2.33468707 | 0.68315165 | |
| ## | A0.A12B.01TCGA | -0.5018540 | NA | -1.3000385 | -1.30003851 | -0.04178937 | |
| ## | BH.A18Q.02TCGA | NA | -12.52045580 | -0.5573703 | 0.07490691 | 0.17861374 | |
| ## | C8.A130.02TCGA | NA | 0.02743957 | 0.7654101 | 0.20127262 | 0.83428731 | |
| ## | C8.A138.03TCGA | NA | NA | 0.6841685 | 4.01947939 | -0.34348763 | |
| ## | | NP_065983 | NP_006393 | NP_057367 | NP_859060 | NP_060662 | |
| ## | A0.A12D.01TCGA | 0.9285001 | -1.0335460 | -1.7955056 | 0.1208229 | 2.2809784 | |
| ## | C8.A131.01TCGA | 1.5777333 | 0.2905072 | -1.3650761 | 1.9987130 | 4.0590844 | |
| ## | A0.A12B.01TCGA | -1.4025830 | 0.5457631 | 1.6266379 | -2.1148518 | 1.0002848 | |
| ## | BH.A18Q.02TCGA | -1.8687600 | -1.6379286 | -0.3298843 | 0.7205656 | -0.7714747 | |
| ## | C8.A130.02TCGA | -0.2874278 | -0.5957355 | -0.6186946 | -3.2327501 | 1.9232038 | |
| ## | C8.A138.03TCGA | 0.7280541 | -0.6470302 | 0.2599403 | 0.9218825 | 0.8267969 | |
| ## | | NP_004861 | NP_001098668 | NP_057074 | NP_001781 | NP_061952 | NP_065986 |
| ## | A0.A12D.01TCGA | -0.2030100 | 0.5932378 | NA | NA | 2.7457738 | 1.1608978 |
| ## | C8.A131.01TCGA | 1.5574939 | 0.7600614 | NA | NA | -0.5271647 | 0.2176453 |
| ## | A0.A12B.01TCGA | -0.3078509 | -0.6986287 | NA | NA | -0.7235719 | 1.9758436 |
| ## | BH.A18Q.02TCGA | -1.3870250 | 0.2421760 | -1.380334 | -3.675266 | -8.8672988 | NA |
| ## | C8.A130.02TCGA | -0.3202265 | 0.6473348 | -1.238590 | -1.881444 | 0.9556425 | NA |
| ## | C8.A138.03TCGA | 2.2238241 | -1.0237155 | 2.889423 | 1.784967 | 2.5675951 | NA |
| ## | | NP_055906 | NP_001035545 | NP_116000 | NP_036397 | NP_001158137 | |
| ## | A0.A12D.01TCGA | NA | 2.2352608 | -0.3782607 | NA | 2.1819237 | |
| ## | C8.A131.01TCGA | NA | 0.1285920 | -3.8545229 | NA | 0.2176453 | |
| ## | A0.A12B.01TCGA | NA | -0.9563758 | 1.2441745 | NA | -0.2080778 | |
| ## | BH.A18Q.02TCGA | 1.001578 | 1.2491359 | -0.5038442 | -1.3435350 | NA | |
| ## | C8.A130.02TCGA | -0.457981 | -1.6551332 | 0.3587063 | -0.5629368 | NA | |
| ## | C8.A138.03TCGA | -1.184630 | 2.5968523 | -1.3053152 | 0.8889683 | NA | |
| ## | | NP_861449 | NP_689807 | NP_006625 | NP_078861 | NP_001036096 | |
| ## | A0.A12D.01TCGA | NA | NA | 1.6676009 | -0.7325719 | NA | |
| ## | C8.A131.01TCGA | NA | NA | 0.8126838 | -0.3652495 | NA | |
| ## | A0.A12B.01TCGA | NA | NA | -1.5494712 | 0.5984211 | NA | |
| ## | BH.A18Q.02TCGA | NA | 2.6475056 | 1.2993167 | 0.5700234 | -7.164499 | |
| ## | C8.A130.02TCGA | NA | 0.2635901 | 0.3521466 | 0.7391711 | 3.448343 | |
| ## | C8.A138.03TCGA | NA | NA | -0.6726302 | -0.7274872 | NA | |
| ## | | NP_775798 | NP_653249 | NP_065824 | NP_001188472 | NP_008980 | |
| ## | A0.A12D.01TCGA | NA | 2.3152666 | -0.1725316 | -7.6130674 | -0.06585726 | |
| ## | C8.A131.01TCGA | NA | -3.0044679 | 0.6629123 | -2.2596578 | 0.13263985 | |
| ## | A0.A12B.01TCGA | NA | -2.8659213 | 0.6871083 | -5.2438458 | 2.70474124 | |
| ## | BH.A18Q.02TCGA | -3.6217401 | -0.2696674 | -7.4722746 | 0.5599873 | -2.31704112 | |
| ## | C8.A130.02TCGA | -0.1726324 | -0.8220465 | 2.8710859 | 0.7391711 | -0.63837381 | |
| ## | C8.A138.03TCGA | 1.1120538 | NA | NA | 0.4208545 | 0.15022616 | |
| ## | | NP_001184162 | NP_057017 | NP_077296 | NP_631957 | NP_006197 | |
| ## | A0.A12D.01TCGA | -0.06585726 | -2.671759 | 0.74943955 | 1.98381415 | 1.522829 | |
| ## | C8.A131.01TCGA | 0.13263985 | -2.559201 | 0.55361947 | -0.38548891 | 1.452249 | |
| ## | A0.A12B.01TCGA | 2.70474124 | 2.779571 | 2.28347721 | -0.48245372 | -1.070006 | |
| ## | BH.A18Q.02TCGA | -2.31704112 | -6.813234 | -1.74163544 | 0.66703950 | 1.563602 | |
| ## | C8.A130.02TCGA | -0.63837381 | 1.014680 | 0.60797636 | -0.03159807 | 1.126196 | |
| ## | C8.A138.03TCGA | -0.39103044 | 1.346111 | -0.01800225 | 0.24531177 | -1.554001 | |
| ## | | NP_055455 | NP_057394 | NP_065199 | NP_001011668 | NP_001010922 | |
| ## | A0.A12D.01TCGA | NA | -1.24689469 | -2.0012347 | 1.0351744 | NA | |
| ## | C8.A131.01TCGA | NA | -0.88337826 | -1.1829215 | 0.2864593 | NA | |
| ## | A0.A12B.01TCGA | NA | 0.04966926 | 1.6931533 | 1.2053739 | NA | |
| ## | BH.A18Q.02TCGA | -4.3376518 | 0.85103550 | -2.3070050 | 0.6603487 | -1.4137880 | |
| ## | C8.A130.02TCGA | -0.9794802 | 0.80804836 | 0.5817374 | 1.4640221 | -0.7302101 | |

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|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A138.03TCGA | -3.6714843 | -0.08748789 | 4.0633651 | -0.1313736 | 1.1010823 |
| ## | | NP_478072 | NP_055804 | XP_003846627 | NP_002244 | NP_008911 |
| ## | A0.A12D.01TCGA | 1.050413604 | 1.8047536 | NA | -0.1611022 | NA |
| ## | C8.A131.01TCGA | -0.009035984 | -0.1345203 | NA | -1.6241405 | NA |
| ## | A0.A12B.01TCGA | 0.285244545 | -2.3892277 | NA | -0.1249336 | NA |
| ## | BH.A18Q.02TCGA | -2.002575230 | NA | -11.252556 | 2.9887345 | -0.1224706 |
| ## | C8.A130.02TCGA | 1.103236557 | NA | -1.809287 | -0.7236504 | -0.4284622 |
| ## | C8.A138.03TCGA | 1.002339581 | 5.8699918 | NA | -0.7348015 | -0.2228020 |
| ## | | YP_003024036 | NP_620482 | NP_065706 | NP_001182555 | NP_076946 |
| ## | A0.A12D.01TCGA | 3.15342219 | -1.3116613 | NA | 1.587595 | NA |
| ## | C8.A131.01TCGA | 0.07596952 | 3.5126204 | NA | 4.050989 | NA |
| ## | A0.A12B.01TCGA | 0.40996087 | -3.5089032 | NA | -1.028434 | NA |
| ## | BH.A18Q.02TCGA | -1.36695268 | 0.9513970 | -0.2696674 | -4.103475 | NA |
| ## | C8.A130.02TCGA | -1.96672070 | 1.2606703 | -0.8220465 | 2.638215 | NA |
| ## | C8.A138.03TCGA | 1.33879638 | -0.3837162 | 1.0279396 | -3.382570 | NA |
| ## | | NP_438169 | NP_001073159 | NP_001123990 | NP_061060 | NP_036213 |
| ## | A0.A12D.01TCGA | -1.155460 | -1.155460 | -0.8049581 | -0.8049581 | NA |
| ## | C8.A131.01TCGA | -2.134173 | -2.134173 | 1.2498550 | 1.2498550 | NA |
| ## | A0.A12B.01TCGA | -4.379146 | -4.379146 | -4.0881412 | -4.0881412 | NA |
| ## | BH.A18Q.02TCGA | NA | NA | -2.2099889 | -4.4681217 | NA |
| ## | C8.A130.02TCGA | NA | NA | 0.9228438 | 0.8342873 | NA |
| ## | C8.A138.03TCGA | NA | NA | 2.9552519 | 2.9552519 | NA |
| ## | | NP_002498 | NP_937756 | NP_001135419 | NP_001017975 | NP_056305 |
| ## | A0.A12D.01TCGA | NA | -0.8201973 | 0.2236874 | NA | 2.43718014 |
| ## | C8.A131.01TCGA | NA | -0.4381114 | 2.8285285 | NA | 0.53338006 |
| ## | A0.A12B.01TCGA | NA | 1.5822943 | -2.4973152 | NA | -2.45297164 |
| ## | BH.A18Q.02TCGA | 2.0018469 | -4.5450654 | 1.3729151 | NA | -6.65934678 |
| ## | C8.A130.02TCGA | -0.1923116 | -1.7174507 | -2.0716765 | NA | -0.07751624 |
| ## | C8.A138.03TCGA | NA | NA | -1.1919439 | NA | 1.36805350 |
| ## | | NP_001818 | NP_003349 | NP_001004298 | NP_653269 | NP_054778 |
| ## | A0.A12D.01TCGA | -2.3707851 | NA | 2.2009727 | 0.9665980 | 0.4294165 |
| ## | C8.A131.01TCGA | -1.5796138 | NA | 0.7276783 | -0.6405054 | -0.9400486 |
| ## | A0.A12B.01TCGA | -4.4844620 | NA | -1.4247548 | -6.9649311 | -2.4806864 |
| ## | BH.A18Q.02TCGA | -0.4503180 | -4.026531 | NA | 5.7654015 | 1.2123367 |
| ## | C8.A130.02TCGA | 0.1487947 | -1.622334 | NA | -3.1901118 | -0.4514213 |
| ## | C8.A138.03TCGA | 1.4448534 | 1.960510 | 3.7269083 | -6.4765100 | -0.5044018 |
| ## | | NP_001376 | NP_056505 | NP_690865 | NP_075601 | NP_001098991 |
| ## | A0.A12D.01TCGA | -1.8983702 | NA | -4.1042433 | -2.2793500 | 1.8580908 |
| ## | C8.A131.01TCGA | -1.0129105 | NA | -0.6243139 | -1.4298422 | 0.7236305 |
| ## | A0.A12B.01TCGA | -4.9750129 | NA | -3.9800538 | 0.4598474 | -0.9314325 |
| ## | BH.A18Q.02TCGA | 2.9619715 | -0.7447116 | -3.2002219 | -2.5712901 | -3.4611617 |
| ## | C8.A130.02TCGA | 0.4899011 | 1.3918650 | -5.7320102 | 3.4877012 | 0.1258356 |
| ## | C8.A138.03TCGA | 1.0242824 | 1.8837101 | -6.0047391 | NA | -0.6324016 |
| ## | | NP_055964 | NP_001092903 | NP_653321 | NP_001018118 | NP_066010 |
| ## | A0.A12D.01TCGA | 0.6122868 | 4.4868515 | 4.4868515 | 1.34376806 | NA |
| ## | C8.A131.01TCGA | 0.2986030 | 1.8287020 | 1.8287020 | 1.93394686 | NA |
| ## | A0.A12B.01TCGA | -0.9314325 | -1.4136689 | -1.4136689 | -0.54896909 | NA |
| ## | BH.A18Q.02TCGA | -2.9158645 | -3.6485031 | -4.1603465 | -5.90663586 | -3.7087200 |
| ## | C8.A130.02TCGA | 0.6243757 | 0.1389551 | 0.5226998 | 0.08975708 | 0.6538945 |
| ## | C8.A138.03TCGA | -0.7567444 | -2.2452000 | -0.8262300 | 1.79593878 | 0.7243970 |
| ## | | NP_006760 | NP_004620 | NP_001243559 | NP_115806 | NP_954981 |
| ## | A0.A12D.01TCGA | NA | 1.8542810 | -6.6225199 | -6.6225199 | 0.5589496 |
| ## | C8.A131.01TCGA | NA | 1.4198660 | -2.0653595 | -2.0653595 | 1.2255677 |
| ## | A0.A12B.01TCGA | NA | -1.8709621 | -8.7248170 | -8.7248170 | -1.5106705 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | BH.A18Q.02TCGA | 1.5435295 | 0.5532965 | -5.1405434 | -5.1405434 | NA |
| ## | C8.A130.02TCGA | 1.8182480 | -1.0089990 | 0.7260516 | 0.7260516 | NA |
| ## | C8.A138.03TCGA | 0.8743397 | 0.4391401 | 0.9474825 | 0.9474825 | 2.7467950 |
| ## | | NP_001128476 | NP_001034451 | NP_005642 | NP_006724 | NP_612362 |
| ## | A0.A12D.01TCGA | 0.3722695 | 0.1855894 | NA | 0.9475491 | NA |
| ## | C8.A131.01TCGA | 1.3996266 | 1.0069821 | NA | -0.3409622 | NA |
| ## | A0.A12B.01TCGA | 0.6566220 | -1.2529235 | NA | -3.1153539 | NA |
| ## | BH.A18Q.02TCGA | -1.2732820 | -0.6911855 | -5.354648 | -13.4705442 | 1.379606 |
| ## | C8.A130.02TCGA | -1.2254703 | -0.6908517 | 1.723132 | 0.1225558 | -1.563297 |
| ## | C8.A138.03TCGA | -1.3492009 | NA | 6.561191 | 3.3575372 | NA |
| ## | | NP_055543 | NP_008875 | NP_031363 | NP_004474 | NP_001171938 |
| ## | A0.A12D.01TCGA | -3.46419722 | NA | 6.27745669 | -0.4201685 | NA |
| ## | C8.A131.01TCGA | 2.55327264 | NA | 0.09216104 | -0.1183288 | NA |
| ## | A0.A12B.01TCGA | -4.07705534 | NA | -3.90245248 | 1.1970595 | NA |
| ## | BH.A18Q.02TCGA | NA | NA | -3.64850311 | 0.6101680 | -1.4840410 |
| ## | C8.A130.02TCGA | NA | NA | 0.52269977 | 1.0048405 | 0.6014166 |
| ## | C8.A138.03TCGA | -0.02531652 | -2.896171 | 1.33148211 | -2.2671428 | -1.1188011 |
| ## | | NP_001153695 | NP_919307 | NP_112177 | NP_004483 | NP_478123 |
| ## | A0.A12D.01TCGA | NA | 0.2770246 | 0.8294453 | -0.81638750 | -2.79748254 |
| ## | C8.A131.01TCGA | NA | 0.1650229 | 1.3591478 | -0.04951479 | 0.09216104 |
| ## | A0.A12B.01TCGA | NA | -0.4796822 | -0.9314325 | -0.89263185 | -0.05564674 |
| ## | BH.A18Q.02TCGA | -2.209989 | -3.6150493 | 1.1253568 | -2.02599290 | -3.10989663 |
| ## | C8.A130.02TCGA | -1.651853 | 0.2865492 | -0.5498174 | 3.65169467 | -1.16971257 |
| ## | C8.A138.03TCGA | 2.070224 | NA | -0.4824589 | 0.42451159 | -1.23217245 |
| ## | | NP_542390 | NP_110422 | NP_000484 | NP_001264262 | NP_001121903 |
| ## | A0.A12D.01TCGA | 0.551330044 | -0.4354077 | 3.5305922 | NA | -0.5954192 |
| ## | C8.A131.01TCGA | -0.000940222 | -0.9683838 | 0.3228903 | NA | 0.8976893 |
| ## | A0.A12B.01TCGA | -1.882048026 | -1.4857273 | -0.4796822 | NA | 0.1411279 |
| ## | BH.A18Q.02TCGA | -0.687840158 | -10.4061745 | -2.5880171 | -10.998307 | -2.5278002 |
| ## | C8.A130.02TCGA | -2.114314801 | 2.0904771 | -0.7564491 | -2.317667 | -0.9925996 |
| ## | C8.A138.03TCGA | 3.851250991 | 1.6789103 | 0.5671400 | 2.852852 | -0.4276018 |
| ## | | NP_006332 | NP_004934 | NP_057209 | NP_004322 | NP_004533 |
| ## | A0.A12D.01TCGA | 1.7476067 | NA | 2.0295317 | NA | -1.2087967 |
| ## | C8.A131.01TCGA | 1.4158181 | NA | 0.5819546 | NA | -0.4664465 |
| ## | A0.A12B.01TCGA | -1.7905894 | NA | -0.5628265 | NA | -0.8566027 |
| ## | BH.A18Q.02TCGA | 0.1217423 | -3.802390671 | -8.0309533 | -5.21748720 | 0.6603487 |
| ## | C8.A130.02TCGA | 0.2963888 | -0.002079251 | 3.0645981 | 0.06679799 | 1.0409190 |
| ## | C8.A138.03TCGA | 0.8743397 | 0.717082726 | -0.9725156 | 1.61308182 | -0.7311444 |
| ## | | NP_005731 | NP_073721 | NP_001010875 | NP_055240 | NP_001033729 |
| ## | A0.A12D.01TCGA | 1.7247479 | NA | NA | 2.31526660 | 2.0371513 |
| ## | C8.A131.01TCGA | 1.1972325 | NA | NA | 1.12841856 | 0.4240873 |
| ## | A0.A12B.01TCGA | 1.3439476 | NA | NA | -0.06950411 | -2.9296652 |
| ## | BH.A18Q.02TCGA | -2.0862098 | NA | -0.9320530 | -0.51722568 | NA |
| ## | C8.A130.02TCGA | 0.6571744 | NA | -0.3989434 | 2.19871276 | NA |
| ## | C8.A138.03TCGA | 0.4354830 | NA | 4.1182222 | -0.18623065 | 2.2128526 |
| ## | | NP_004348 | NP_061946 | NP_002610 | NP_002611 | NP_775760 |
| ## | A0.A12D.01TCGA | 0.0255779 | NA | -1.0754538 | -0.3782607 | -2.096480 |
| ## | C8.A131.01TCGA | 2.1889634 | NA | 6.5121002 | 6.7752125 | -2.032976 |
| ## | A0.A12B.01TCGA | -2.9490655 | NA | 0.5346772 | 1.6709815 | -3.195727 |
| ## | BH.A18Q.02TCGA | -7.2113348 | NA | -4.3343064 | -4.0231859 | -1.547603 |
| ## | C8.A130.02TCGA | -3.0621969 | NA | -1.1500334 | -1.5206585 | 1.116356 |
| ## | C8.A138.03TCGA | 3.3099944 | NA | -1.2797153 | -0.5629160 | -3.591027 |
| ## | | NP_057162 | NP_660344 | NP_001159603 | NP_001257935 | NP_116166 |
| ## | A0.A12D.01TCGA | 1.81999283 | 1.81999283 | NA | -2.9155863 | NA |

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|----|----------------|--------------|-------------|-------------|-------------|--------------|
| ## | C8.A131.01TCGA | 1.35105201 | 1.35105201 | NA | -4.7410088 | NA |
| ## | A0.A12B.01TCGA | -1.51621348 | -1.51621348 | NA | -2.2728258 | NA |
| ## | BH.A18Q.02TCGA | 0.02472618 | 0.05148923 | -11.891524 | NA | NA |
| ## | C8.A130.02TCGA | -0.57605630 | -0.41862260 | 1.893685 | NA | NA |
| ## | C8.A138.03TCGA | 1.97879574 | 1.97879574 | 1.894682 | -0.5702303 | -6.520396 |
| ## | | NP_003697 | NP_002546 | NP_714542 | NP_060103 | NP_001258769 |
| ## | A0.A12D.01TCGA | NA | 1.6866499 | NA | -0.57256041 | -0.57256041 |
| ## | C8.A131.01TCGA | NA | 0.5212364 | NA | -1.07362867 | -0.01308386 |
| ## | A0.A12B.01TCGA | NA | -0.8178021 | NA | -1.53284232 | 0.41273234 |
| ## | BH.A18Q.02TCGA | -1.8453423 | NA | -1.1060129 | -2.30700498 | 0.54326037 |
| ## | C8.A130.02TCGA | -0.8154867 | NA | 1.0671580 | -1.10739506 | 0.70309256 |
| ## | C8.A138.03TCGA | NA | 2.3883953 | 0.1575404 | -0.01800225 | NA |
| ## | | NP_112192 | NP_006809 | NP_859075 | NP_775107 | NP_055438 |
| ## | A0.A12D.01TCGA | 2.16668447 | -4.458555 | -0.1420532 | 0.9627882 | -0.9916382 |
| ## | C8.A131.01TCGA | -0.46644653 | 2.395405 | 0.6588644 | 1.5089194 | -0.5109732 |
| ## | A0.A12B.01TCGA | -1.97904961 | -1.710217 | -2.5582877 | -0.9813190 | 0.7868813 |
| ## | BH.A18Q.02TCGA | -0.24959513 | -0.791547 | -0.5674064 | -0.8818723 | -0.3165028 |
| ## | C8.A130.02TCGA | -0.32350640 | -1.199231 | 0.4866212 | -0.8712445 | 1.8969648 |
| ## | C8.A138.03TCGA | -0.06920219 | NA | 3.3099944 | 2.8309092 | -0.7274872 |
| ## | | NP_001229735 | NP_001770 | NP_036416 | NP_004206 | NP_277048 |
| ## | A0.A12D.01TCGA | 1.0542234 | 1.3247191 | NA | 1.09994098 | NA |
| ## | C8.A131.01TCGA | -0.3166749 | 1.4805842 | NA | -0.02927539 | NA |
| ## | A0.A12B.01TCGA | -0.3189368 | -0.8787745 | NA | -1.46078400 | NA |
| ## | BH.A18Q.02TCGA | -7.2280617 | -0.1759967 | -0.0354907 | 0.35257360 | -1.5241856 |
| ## | C8.A130.02TCGA | -0.5071791 | -1.7469695 | 1.0245197 | -0.64165368 | -0.3202265 |
| ## | C8.A138.03TCGA | 2.8053092 | NA | 1.1376537 | 0.46839726 | 1.3534249 |
| ## | | NP_055244 | NP_060347 | NP_803237 | NP_006084 | NP_001096 |
| ## | A0.A12D.01TCGA | -0.76305032 | 0.3570303 | -0.3630215 | -5.833892 | 2.3266960 |
| ## | C8.A131.01TCGA | -0.11832877 | -1.1991130 | 1.6627388 | 6.204461 | 2.3873095 |
| ## | A0.A12B.01TCGA | 0.06629811 | -1.4496981 | -3.0460671 | -3.325986 | -0.2053063 |
| ## | BH.A18Q.02TCGA | -1.23648278 | -3.3942541 | -3.8726437 | -4.899676 | -1.6412740 |
| ## | C8.A130.02TCGA | 2.17575368 | -1.9863999 | 2.2151121 | -5.020279 | 0.8408470 |
| ## | C8.A138.03TCGA | NA | -0.1752592 | -4.5053120 | 1.704510 | 0.9621110 |
| ## | | NP_004603 | NP_005944 | NP_783316 | NP_005943 | NP_005941 |
| ## | A0.A12D.01TCGA | 1.0199352 | 1.5609266 | 0.6389554 | 1.2180447 | 1.0656528 |
| ## | C8.A131.01TCGA | 0.2500284 | 4.6581707 | 4.3626754 | 4.8241338 | 4.5488779 |
| ## | A0.A12B.01TCGA | 0.5319057 | -4.7893241 | -4.5786921 | -4.7061799 | -4.4124037 |
| ## | BH.A18Q.02TCGA | -10.6269697 | -1.4505872 | -3.1901858 | -0.9287077 | -2.7519408 |
| ## | C8.A130.02TCGA | 0.9950009 | 0.2012726 | -0.3333460 | 0.4997407 | 0.6735737 |
| ## | C8.A138.03TCGA | 2.2055384 | -2.6255425 | -1.6454292 | -1.4772008 | -1.4150294 |
| ## | | NP_789846 | NP_005937 | NP_065192 | NP_004536 | NP_277055 |
| ## | A0.A12D.01TCGA | 1.000886 | 1.8923790 | 1.22566432 | 1.9076182 | -2.5193673 |
| ## | C8.A131.01TCGA | 5.479891 | 3.9821746 | 2.25372946 | -0.1952385 | -0.7862291 |
| ## | A0.A12B.01TCGA | -4.789324 | -3.5671041 | 0.51527688 | -1.3637824 | 1.2829751 |
| ## | BH.A18Q.02TCGA | -1.908905 | -8.4691984 | -0.85176387 | -0.9420892 | -13.2497491 |
| ## | C8.A130.02TCGA | 1.316428 | 0.9753217 | 0.03399931 | -0.7203705 | -7.5457776 |
| ## | C8.A138.03TCGA | -2.318343 | -0.7530872 | 0.10999762 | 1.5947961 | 5.8297633 |
| ## | | NP_001092688 | NP_443099 | NP_758872 | NP_647479 | NP_057608 |
| ## | A0.A12D.01TCGA | -8.039765 | -0.9497304 | -1.803125 | NA | NA |
| ## | C8.A131.01TCGA | 1.512967 | -0.9076656 | -3.595458 | NA | NA |
| ## | A0.A12B.01TCGA | -4.545434 | -0.8566027 | -8.259209 | NA | NA |
| ## | BH.A18Q.02TCGA | -1.447242 | -3.0965151 | NA | 0.80420015 | -3.31731 |
| ## | C8.A130.02TCGA | 0.391505 | 3.0809975 | NA | -0.05127728 | -1.48458 |
| ## | C8.A138.03TCGA | NA | NA | NA | NA | -2.06600 |

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|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_085128 | NP_689912 | NP_001138483 | NP_065874 | NP_714922 |
| ## | AO.A12D.01TCGA | NA | NA | 3.637267 | 0.9170707 | 1.8999986 |
| ## | C8.A131.01TCGA | NA | NA | 3.136167 | 0.7074389 | 0.1204962 |
| ## | AO.A12B.01TCGA | NA | NA | -2.439114 | -0.5184829 | -0.6986287 |
| ## | BH.A18Q.02TCGA | -6.679419 | -11.4900782 | -10.232215 | 1.8646862 | NA |
| ## | C8.A130.02TCGA | -1.156593 | 0.2898291 | 1.929764 | -0.3891038 | NA |
| ## | C8.A138.03TCGA | 2.863823 | NA | NA | 1.9678243 | NA |
| ## | | NP_001878 | NP_001106853 | NP_055273 | NP_699202 | NP_078957 |
| ## | AO.A12D.01TCGA | NA | NA | NA | 2.1438257 | NA |
| ## | C8.A131.01TCGA | NA | NA | NA | 1.6020206 | NA |
| ## | AO.A12B.01TCGA | NA | NA | NA | -0.3494230 | NA |
| ## | BH.A18Q.02TCGA | -1.2966997 | NA | -0.34326583 | NA | NA |
| ## | C8.A130.02TCGA | -0.2021513 | NA | 0.08975708 | NA | NA |
| ## | C8.A138.03TCGA | 0.5195972 | -1.356515 | 2.07022422 | 0.9328539 | NA |
| ## | | NP_689613 | NP_008853 | NP_001229797 | NP_071417 | NP_852091 |
| ## | AO.A12D.01TCGA | NA | 2.5819525 | 0.6122868 | 3.7401311 | 7.534690 |
| ## | C8.A131.01TCGA | NA | 0.6912474 | 1.6101164 | 0.9219766 | 4.909139 |
| ## | AO.A12B.01TCGA | NA | -5.0082706 | -1.1226642 | -3.9440246 | -1.643701 |
| ## | BH.A18Q.02TCGA | -0.9019446 | -9.4928852 | 0.6938026 | -11.2525561 | -9.466122 |
| ## | C8.A130.02TCGA | -5.3285863 | -3.0523573 | 0.9818814 | 3.1662741 | -0.159513 |
| ## | C8.A138.03TCGA | NA | 6.0126202 | -0.9322870 | 2.9442805 | 3.598908 |
| ## | | NP_054886 | NP_001122084 | NP_644809 | NP_057551 | NP_612437 |
| ## | AO.A12D.01TCGA | NA | NA | 5.8850475 | 2.2047824 | 0.3608401 |
| ## | C8.A131.01TCGA | NA | NA | 0.1002568 | -0.5595478 | 0.7924444 |
| ## | AO.A12B.01TCGA | NA | NA | -3.2095840 | -1.9513349 | -0.7928588 |
| ## | BH.A18Q.02TCGA | -1.7349447 | -0.6309687 | 0.9815054 | 0.9815054 | -0.1927236 |
| ## | C8.A130.02TCGA | 0.5325394 | 0.9589223 | -2.9310021 | -2.9310021 | 1.2737897 |
| ## | C8.A138.03TCGA | 1.3022250 | -0.3983447 | 3.7013083 | 4.9447356 | -0.3837162 |
| ## | | NP_055324 | NP_001072 | NP_001005920 | NP_055109 | NP_001034201 |
| ## | AO.A12D.01TCGA | NA | 1.846661 | -3.15941337 | 3.6372666 | -0.3401627 |
| ## | C8.A131.01TCGA | NA | 1.695122 | 1.30247744 | 1.2093762 | 1.3631957 |
| ## | AO.A12B.01TCGA | NA | -1.369325 | -2.11208036 | -0.9619187 | -1.3083529 |
| ## | BH.A18Q.02TCGA | -7.589363 | NA | 0.14850531 | -0.9822338 | -1.3836796 |
| ## | C8.A130.02TCGA | 4.107596 | NA | -0.11031492 | 0.1619142 | -1.4616209 |
| ## | C8.A138.03TCGA | 1.587482 | 1.993424 | -0.07651647 | -1.5796007 | 0.8706826 |
| ## | | NP_001128522 | XP_003846820 | NP_477515 | NP_689943 | NP_001070966 |
| ## | AO.A12D.01TCGA | 1.7514165 | NA | 0.7418200 | NA | -5.8567505 |
| ## | C8.A131.01TCGA | 5.5891833 | NA | -2.0815510 | NA | 2.4561235 |
| ## | AO.A12B.01TCGA | -3.5089032 | NA | -2.6414319 | NA | -2.8132632 |
| ## | BH.A18Q.02TCGA | -3.9161337 | 11.7904342 | -3.8090814 | -3.7756276 | -4.6889169 |
| ## | C8.A130.02TCGA | 0.4964608 | -0.1168747 | -0.6482134 | 0.4079044 | -0.9696406 |
| ## | C8.A138.03TCGA | NA | 0.6512542 | -0.4714875 | 0.5269115 | 0.3477117 |
| ## | | NP_004364 | NP_116248 | NP_057706 | NP_659482 | NP_001007795 |
| ## | AO.A12D.01TCGA | 0.49037327 | 1.7895144 | -0.203009992 | -1.993615130 | NA |
| ## | C8.A131.01TCGA | -0.01713175 | -0.7538461 | -1.761768426 | -0.025227507 | NA |
| ## | AO.A12B.01TCGA | 0.62059288 | 0.1383564 | 2.374935847 | -1.092177972 | NA |
| ## | BH.A18Q.02TCGA | 0.08828843 | -2.1664989 | 1.048413028 | 1.898140020 | -1.192993 |
| ## | C8.A130.02TCGA | -0.07423637 | 0.3127882 | 0.001200618 | 0.729331506 | -2.481660 |
| ## | C8.A138.03TCGA | -0.39468758 | 2.7467950 | -0.866458533 | 0.007597728 | 1.876396 |
| ## | | NP_776190 | NP_525023 | NP_001243624 | NP_115800 | NP_740753 |
| ## | AO.A12D.01TCGA | NA | -2.0621915 | -0.8049581 | 2.39908215 | -0.5001742 |
| ## | C8.A131.01TCGA | NA | -0.5959787 | -0.7457503 | 1.65059520 | -0.3773931 |
| ## | AO.A12B.01TCGA | NA | 1.1333156 | 1.2996040 | -0.03347495 | 0.2104148 |
| ## | BH.A18Q.02TCGA | NA | NA | -7.9406280 | -2.90917371 | -1.3268081 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A130.02TCGA | NA | NA | 0.6210958 | 2.32990751 | 0.6342153 |
| ## | C8.A138.03TCGA | NA | -1.4845151 | NA | -0.33983049 | -1.8282861 |
| ## | | NP_001120936 | NP_542383 | NP_003217 | NP_004110 | NP_775836 |
| ## | A0.A12D.01TCGA | -0.5954192 | 4.2468343 | -3.822318 | -0.08109645 | NA |
| ## | C8.A131.01TCGA | 3.0997366 | -0.2316694 | -4.287646 | 0.60219404 | NA |
| ## | A0.A12B.01TCGA | -0.4602819 | -2.8160347 | 3.877075 | -2.15642394 | NA |
| ## | BH.A18Q.02TCGA | -3.0530251 | NA | -5.461700 | 2.98873451 | NA |
| ## | C8.A130.02TCGA | -2.4029433 | NA | -1.802727 | 0.41774396 | NA |
| ## | C8.A138.03TCGA | 0.3659974 | NA | 3.683023 | -1.52108644 | NA |
| ## | | NP_001229757 | NP_061725 | NP_001135772 | NP_689736 | XP_001717260 |
| ## | A0.A12D.01TCGA | 1.9800044 | 0.92850006 | 2.49051731 | 3.18390058 | 4.66972186 |
| ## | C8.A131.01TCGA | -1.4096028 | 1.68297824 | 2.11205362 | 2.81233702 | 0.06382587 |
| ## | A0.A12B.01TCGA | 0.9503983 | -0.04456085 | -0.76514405 | -1.29172409 | 1.10837229 |
| ## | BH.A18Q.02TCGA | -3.9362059 | 1.08855761 | 0.07156152 | 0.07156152 | 3.82507997 |
| ## | C8.A130.02TCGA | -1.1270743 | -0.93356201 | -1.16315283 | -1.16315283 | 1.40170462 |
| ## | C8.A138.03TCGA | -1.6893148 | 0.07342623 | 1.88005298 | 1.88005298 | -1.88314322 |
| ## | | NP_036211 | NP_054775 | NP_001103089 | NP_612815 | NP_004265 |
| ## | A0.A12D.01TCGA | 3.8277565 | 3.4963040 | 5.5764538 | -1.052594983 | NA |
| ## | C8.A131.01TCGA | 1.5777333 | -0.7700376 | -0.8267079 | -0.543356266 | NA |
| ## | A0.A12B.01TCGA | -0.3743662 | 3.0012889 | 2.9098303 | 0.160528220 | NA |
| ## | BH.A18Q.02TCGA | NA | -0.6577317 | -0.9956153 | 0.004653887 | -4.742443 |
| ## | C8.A130.02TCGA | NA | -1.4025833 | -1.3829040 | -0.261188891 | -1.166433 |
| ## | C8.A138.03TCGA | 4.9301070 | 0.4537687 | NA | 2.403023881 | 2.066567 |
| ## | | NP_005117 | NP_001129595 | NP_054766 | NP_005224 | NP_004430 |
| ## | A0.A12D.01TCGA | NA | 1.0161254 | -0.7135229 | 2.7114856 | NA |
| ## | C8.A131.01TCGA | NA | -0.8833783 | -1.5148477 | 1.9056117 | NA |
| ## | A0.A12B.01TCGA | NA | -2.6663751 | -2.0427935 | 2.5744820 | NA |
| ## | BH.A18Q.02TCGA | 1.406369 | -6.9336681 | -3.0664067 | 1.7141440 | -0.5707518 |
| ## | C8.A130.02TCGA | -1.314027 | 0.5718978 | 2.9268436 | 0.6309354 | 0.9458029 |
| ## | C8.A138.03TCGA | 0.120969 | NA | 0.3842831 | -2.1025716 | 1.5435962 |
| ## | | NP_078962 | NP_002222 | NP_079022 | NP_001120730 | NP_149108 |
| ## | A0.A12D.01TCGA | NA | 3.374390 | -0.1725316 | NA | NA |
| ## | C8.A131.01TCGA | NA | 1.824654 | -0.2640525 | NA | NA |
| ## | A0.A12B.01TCGA | NA | -4.232258 | -1.9929070 | NA | NA |
| ## | BH.A18Q.02TCGA | 0.06152538 | -5.000037 | -13.6679218 | -6.803198 | 0.837654 |
| ## | C8.A130.02TCGA | 3.51066031 | -3.882164 | 0.3915050 | -4.659493 | 2.867806 |
| ## | C8.A138.03TCGA | 5.17513537 | NA | NA | NA | -2.428057 |
| ## | | NP_116171 | NP_443179 | NP_001257589 | NP_001171808 | NP_663761 |
| ## | A0.A12D.01TCGA | NA | 0.4408459 | NA | NA | NA |
| ## | C8.A131.01TCGA | NA | -0.5959787 | NA | NA | NA |
| ## | A0.A12B.01TCGA | NA | -1.1198927 | NA | NA | NA |
| ## | BH.A18Q.02TCGA | NA | -6.6058207 | NA | -0.7948924 | -0.2997759 |
| ## | C8.A130.02TCGA | NA | 1.8313674 | NA | -0.3071071 | -0.9270023 |
| ## | C8.A138.03TCGA | 0.1026833 | 1.5472533 | NA | 0.4208545 | 4.0341079 |
| ## | | NP_060536 | NP_001073904 | NP_037433 | NP_002980 | NP_057083 |
| ## | A0.A12D.01TCGA | -0.9878284 | NA | -2.3860243 | 1.6866499 | 2.5590937 |
| ## | C8.A131.01TCGA | 0.2216932 | NA | 0.1852623 | -1.9034443 | -0.4097762 |
| ## | A0.A12B.01TCGA | -0.7041716 | NA | 2.3416782 | -0.9563758 | -0.1581913 |
| ## | BH.A18Q.02TCGA | -0.5071895 | -3.307274 | NA | -0.4837719 | -2.3973303 |
| ## | C8.A130.02TCGA | -0.7466095 | -0.559657 | NA | -2.3996634 | -1.7076111 |
| ## | C8.A138.03TCGA | -0.6177731 | 1.082797 | NA | -2.5231426 | 3.4087372 |
| ## | | NP_002702 | NP_001129516 | NP_085134 | NP_006340 | NP_000725 |
| ## | A0.A12D.01TCGA | 0.8103963 | 1.1799467 | -0.9649696 | -0.6754250 | NA |
| ## | C8.A131.01TCGA | 1.3834351 | 0.1407356 | 0.6588644 | -1.5917574 | NA |

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|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | AO.A12B.01TCGA | 0.1632997 | -0.9979479 | 3.9352756 | -0.3799092 | NA |
| ## | BH.A18Q.02TCGA | NA | NA | -6.7162183 | -0.2696674 | NA |
| ## | C8.A130.02TCGA | NA | NA | 3.1433150 | -0.2382298 | NA |
| ## | C8.A138.03TCGA | 0.5451972 | 1.7227960 | NA | -0.7640586 | NA |
| ## | | NP_619731 | NP_932766 | NP_715638 | NP_071402 | NP_078883 |
| ## | AO.A12D.01TCGA | -1.7497880 | NA | -1.5288198 | NA | 0.1017739 |
| ## | C8.A131.01TCGA | 0.9543597 | NA | -0.6364575 | NA | 0.7398220 |
| ## | AO.A12B.01TCGA | 2.8627152 | NA | 0.9614842 | NA | 0.5984211 |
| ## | BH.A18Q.02TCGA | NA | NA | 1.1353930 | NA | -2.1899166 |
| ## | C8.A130.02TCGA | NA | NA | -0.9466815 | NA | -2.6194146 |
| ## | C8.A138.03TCGA | NA | NA | -1.4442865 | 0.4537687 | -0.3727447 |
| ## | | NP_065920 | NP_065138 | NP_001003940 | NP_001129419 | NP_620411 |
| ## | AO.A12D.01TCGA | NA | -1.8259840 | NA | -1.2354653 | 0.9780274 |
| ## | C8.A131.01TCGA | NA | -3.2878195 | NA | 1.2296156 | 1.6951219 |
| ## | AO.A12B.01TCGA | NA | -5.6041374 | NA | -0.6598280 | 1.5213219 |
| ## | BH.A18Q.02TCGA | -1.1762659 | -16.2338297 | -1.005651 | -2.8155030 | -0.5239164 |
| ## | C8.A130.02TCGA | 0.1192759 | 0.1815934 | -0.382544 | -1.5895358 | 0.4341433 |
| ## | C8.A138.03TCGA | 0.3038260 | 3.0101090 | 3.401423 | 0.8158255 | NA |
| ## | | NP_000825 | XP_001724434 | XP_003959988 | NP_001264237 | NP_116129 |
| ## | AO.A12D.01TCGA | 6.768921 | NA | 4.4601830 | NA | 0.5018027 |
| ## | C8.A131.01TCGA | 1.962282 | NA | 1.1203228 | NA | 0.7114868 |
| ## | AO.A12B.01TCGA | -3.719535 | NA | -0.4630534 | NA | -2.4363428 |
| ## | BH.A18Q.02TCGA | NA | -3.153387 | -3.1533866 | -4.872913 | -2.5712901 |
| ## | C8.A130.02TCGA | NA | 1.539459 | 1.5394591 | 0.817888 | -1.4583410 |
| ## | C8.A138.03TCGA | 3.562337 | NA | NA | NA | 0.7061113 |
| ## | | NP_694854 | NP_057355 | NP_937761 | NP_065089 | NP_940891 |
| ## | AO.A12D.01TCGA | NA | NA | NA | -1.083073 | NA |
| ## | C8.A131.01TCGA | NA | NA | NA | -1.097916 | NA |
| ## | AO.A12B.01TCGA | NA | NA | NA | -4.747752 | NA |
| ## | BH.A18Q.02TCGA | -1.6145109 | 2.02191915 | 2.9318630 | -2.778704 | -4.0800574 |
| ## | C8.A130.02TCGA | 4.1928730 | 0.09631682 | 0.2045525 | 3.310588 | 0.7063724 |
| ## | C8.A138.03TCGA | 0.3330831 | 0.12828332 | 0.1282833 | 3.708623 | 0.6878256 |
| ## | | NP_001121143 | NP_690878 | NP_009038 | NP_005728 | NP_078968 |
| ## | AO.A12D.01TCGA | NA | NA | 3.5153530 | 0.80277672 | NA |
| ## | C8.A131.01TCGA | NA | NA | 0.4848055 | 1.40772234 | NA |
| ## | AO.A12B.01TCGA | NA | NA | -3.3010427 | 1.49083568 | NA |
| ## | BH.A18Q.02TCGA | NA | 0.9145978 | -6.4318608 | 0.09832458 | NA |
| ## | C8.A130.02TCGA | NA | -0.8614049 | -0.6678926 | 0.09959668 | NA |
| ## | C8.A138.03TCGA | NA | -0.3325162 | 2.0043957 | 2.31890968 | -0.3325162 |
| ## | | NP_073729 | NP_055393 | NP_071378 | NP_067082 | NP_001010906 |
| ## | AO.A12D.01TCGA | -1.5440589 | NA | 0.6618142 | NA | 3.4582060 |
| ## | C8.A131.01TCGA | 2.0756227 | NA | -1.9398752 | NA | -0.6526491 |
| ## | AO.A12B.01TCGA | -2.8077203 | NA | -0.8926319 | NA | 2.9070588 |
| ## | BH.A18Q.02TCGA | 1.9851199 | -1.90890454 | NA | 0.55329651 | -1.5810571 |
| ## | C8.A130.02TCGA | 1.6214558 | 0.08319734 | NA | -0.03487794 | 1.6608143 |
| ## | C8.A138.03TCGA | -0.4166304 | 1.59845327 | 0.5854257 | -0.43125897 | -7.3578806 |
| ## | | NP_001171467 | NP_002976 | NP_001265665 | NP_009098 | NP_001041637 |
| ## | AO.A12D.01TCGA | NA | NA | NA | NA | NA |
| ## | C8.A131.01TCGA | NA | NA | NA | NA | NA |
| ## | AO.A12B.01TCGA | NA | NA | NA | NA | NA |
| ## | BH.A18Q.02TCGA | -0.5674064 | -3.7622461 | 3.7748992 | -0.4804265 | -0.8450731 |
| ## | C8.A130.02TCGA | 1.7624902 | -1.1697126 | -0.7859679 | 0.4111842 | 0.2439109 |
| ## | C8.A138.03TCGA | NA | 0.7390256 | 0.7390256 | NA | 5.0032498 |
| ## | | NP_001121897 | NP_001254514 | NP_054772 | NP_006486 | NP_150375 |

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|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | AO.A12D.01TCGA | NA | NA | NA | -0.3668313 | NA |
| ## | C8.A131.01TCGA | NA | NA | NA | 1.6708346 | NA |
| ## | AO.A12B.01TCGA | NA | NA | NA | -1.0672347 | NA |
| ## | BH.A18Q.02TCGA | 0.5967865 | NA | NA | 0.3559190 | -3.5414509 |
| ## | C8.A130.02TCGA | 0.2767096 | NA | NA | -1.4157027 | -0.0184786 |
| ## | C8.A138.03TCGA | 5.0032498 | NA | 0.4757115 | -0.1240593 | 7.3547903 |
| ## | | NP_065203 | NP_932348 | NP_006414 | NP_001230696 | NP_065806 |
| ## | AO.A12D.01TCGA | 0.9894568 | 4.3001714 | 2.273359 | 0.3570303 | 0.6160966 |
| ## | C8.A131.01TCGA | -0.4381114 | 2.5451769 | 1.217472 | -2.8142175 | -1.4824646 |
| ## | AO.A12B.01TCGA | -1.6603301 | -2.2977691 | -2.170281 | -3.7638788 | 1.1000579 |
| ## | BH.A18Q.02TCGA | -0.5740972 | -1.4171334 | -1.236483 | -9.2553631 | -4.1804188 |
| ## | C8.A130.02TCGA | -1.5108189 | 0.8474068 | -1.497699 | 2.4250237 | -3.6853720 |
| ## | C8.A138.03TCGA | 3.7525082 | 1.6350247 | 2.417652 | 1.3717106 | 2.6370808 |
| ## | | NP_056496 | NP_056979 | NP_004330 | NP_443155 | NP_077010 |
| ## | AO.A12D.01TCGA | -1.0411656 | -2.0698111 | 1.3894856 | NA | 2.1819237 |
| ## | C8.A131.01TCGA | -6.1213362 | 1.3591478 | 0.9826948 | NA | 0.3026508 |
| ## | AO.A12B.01TCGA | 3.2257783 | -0.8510597 | 0.7203659 | NA | -0.4408816 |
| ## | BH.A18Q.02TCGA | 1.9717384 | 1.4164050 | -4.1670373 | -6.36495318 | -1.5509487 |
| ## | C8.A130.02TCGA | -0.6777322 | 0.9392431 | -1.7928877 | -0.09391558 | -1.8748844 |
| ## | C8.A138.03TCGA | 2.2091955 | -1.2687438 | -0.1533164 | -0.32154480 | 1.4192534 |
| ## | | NP_060790 | NP_006842 | NP_002553 | NP_001159 | NP_690909 |
| ## | AO.A12D.01TCGA | NA | NA | NA | -1.98980533 | NA |
| ## | C8.A131.01TCGA | NA | NA | NA | 0.86530630 | NA |
| ## | AO.A12B.01TCGA | NA | NA | NA | -2.25619700 | NA |
| ## | BH.A18Q.02TCGA | -4.391178 | -8.4123269 | NA | -0.88856307 | -1.330153 |
| ## | C8.A130.02TCGA | 1.585377 | -0.7269303 | NA | -0.00535912 | -1.287788 |
| ## | C8.A138.03TCGA | 2.973538 | 1.2619965 | NA | -2.07697160 | 1.752053 |
| ## | | NP_001532 | NP_689597 | NP_079400 | NP_001129737 | NP_001180386 |
| ## | AO.A12D.01TCGA | NA | NA | NA | 1.0847018 | 1.0847018 |
| ## | C8.A131.01TCGA | NA | NA | NA | -1.2719748 | -1.2719748 |
| ## | AO.A12B.01TCGA | NA | NA | NA | -4.9029546 | -4.9029546 |
| ## | BH.A18Q.02TCGA | 0.068216142 | -4.6521177 | 0.4428989 | -1.0725591 | -1.0725591 |
| ## | C8.A130.02TCGA | -0.677732237 | 0.1947129 | 1.3590663 | -0.1693526 | -0.1923116 |
| ## | C8.A138.03TCGA | 0.003940589 | 0.9255397 | 1.7995959 | 5.0690783 | 5.0690783 |
| ## | | NP_361012 | NP_001241658 | NP_036604 | NP_065766 | NP_071442 |
| ## | AO.A12D.01TCGA | NA | -2.06219150 | 2.9934107 | 1.1875663 | NA |
| ## | C8.A131.01TCGA | NA | 0.17716654 | -2.1827480 | 1.6182121 | NA |
| ## | AO.A12B.01TCGA | NA | 0.03026895 | -3.5892759 | 0.1355850 | NA |
| ## | BH.A18Q.02TCGA | -6.2378287 | 0.77409171 | -10.4329375 | -2.4307841 | 0.1083607 |
| ## | C8.A130.02TCGA | -0.4579810 | 0.43414331 | -0.1955915 | 0.9884411 | 2.0052005 |
| ## | C8.A138.03TCGA | 0.6695399 | 1.79228164 | 2.0775385 | 2.4432524 | -0.2191449 |
| ## | | NP_004878 | NP_055835 | NP_000354 | NP_001073949 | NP_079503 |
| ## | AO.A12D.01TCGA | -3.1517938 | 0.08653467 | -2.2603010 | NA | NA |
| ## | C8.A131.01TCGA | -4.0488212 | -1.11410748 | 0.9422160 | NA | NA |
| ## | AO.A12B.01TCGA | 3.0678043 | 2.81560019 | -3.6973634 | NA | NA |
| ## | BH.A18Q.02TCGA | -7.1511179 | -7.94397341 | -7.2146802 | NA | 1.122011 |
| ## | C8.A130.02TCGA | -3.4361020 | -1.67153250 | -0.5071791 | NA | 1.099957 |
| ## | C8.A138.03TCGA | 0.1575404 | -0.29960196 | -0.3252019 | NA | -2.442686 |
| ## | | NP_001139541 | NP_055187 | NP_001136272 | NP_001017969 | NP_775788 |
| ## | AO.A12D.01TCGA | 2.17049426 | 0.4370361 | 0.03319749 | NA | 2.9362637 |
| ## | C8.A131.01TCGA | 0.99888637 | 1.1729452 | 0.64267285 | NA | -0.6121702 |
| ## | AO.A12B.01TCGA | -2.70517577 | -0.9120322 | 1.68483885 | NA | -4.3154021 |
| ## | BH.A18Q.02TCGA | 0.05818000 | -2.0527560 | 0.17192298 | -2.792085 | 0.6503126 |
| ## | C8.A130.02TCGA | 0.08647721 | 0.1225558 | 0.26687000 | 2.051119 | -0.3891038 |

| | | | | | | |
|-------------------|--------------|--------------|--------------|--------------|--------------|-----------|
| ## C8.A138.03TCGA | 1.63136752 | -0.3910304 | -0.11674500 | NA | 0.4391401 | |
| ## | NP_116738 | NP_542159 | NP_149351 | NP_001074020 | NP_060887 | |
| ## A0.A12D.01TCGA | NA | 1.6256931 | 1.2332839 | -0.1306238 | NA | |
| ## C8.A131.01TCGA | NA | 2.1363409 | -0.4462071 | -0.9562401 | NA | |
| ## A0.A12B.01TCGA | NA | -0.8122591 | -1.4441552 | -1.3831827 | NA | |
| ## BH.A18Q.02TCGA | -11.3294999 | NA | -0.6343140 | -0.5339526 | NA | |
| ## C8.A130.02TCGA | 0.9195639 | NA | -1.8912837 | 0.3685459 | NA | |
| ## C8.A138.03TCGA | -0.4641732 | NA | 1.3899963 | -0.7311444 | NA | |
| ## | NP_001017372 | NP_076934 | NP_001092275 | NP_001167596 | NP_001858 | |
| ## A0.A12D.01TCGA | NA | NA | 1.4885404 | 2.4943271 | 1.4656816 | |
| ## C8.A131.01TCGA | NA | NA | 1.8246541 | 0.6710080 | -0.9602880 | |
| ## A0.A12B.01TCGA | NA | NA | 2.6243685 | -1.5965862 | -3.6197621 | |
| ## BH.A18Q.02TCGA | NA | NA | -7.2581701 | 0.4863889 | 1.7877424 | |
| ## C8.A130.02TCGA | NA | NA | -2.0060791 | -1.8322461 | -0.4481414 | |
| ## C8.A138.03TCGA | NA | 1.225425 | 0.8853111 | 1.6789103 | 2.4907952 | |
| ## | NP_006418 | NP_001065243 | NP_057576 | NP_001171273 | NP_078834 | |
| ## A0.A12D.01TCGA | -0.7935287 | -0.71352295 | -0.4658861 | NA | 0.2579756 | |
| ## C8.A131.01TCGA | 0.4443267 | 0.04358647 | 1.5372545 | NA | 0.3552733 | |
| ## A0.A12B.01TCGA | 0.2409010 | 1.82341255 | 0.1937859 | NA | 0.8145961 | |
| ## BH.A18Q.02TCGA | -2.5077279 | 0.67038488 | -0.4369365 | -1.23313740 | -2.8924468 | |
| ## C8.A130.02TCGA | 1.4738617 | -0.68429198 | -0.5858959 | -1.19267165 | 0.2209518 | |
| ## C8.A138.03TCGA | NA | -0.07285933 | 0.1355976 | 0.02954056 | 2.1945669 | |
| ## | NP_055006 | NP_066287 | NP_006473 | NP_940851 | NP_001020539 | |
| ## A0.A12D.01TCGA | 3.1000850 | 2.9248343 | 1.9190476 | NA | NA | |
| ## C8.A131.01TCGA | 0.7074389 | 0.7195826 | -0.4907338 | NA | NA | |
| ## A0.A12B.01TCGA | -5.7482541 | -5.7205393 | -0.6043986 | NA | NA | |
| ## BH.A18Q.02TCGA | -10.0850178 | -10.0850178 | 0.9982323 | -0.05556299 | -5.545335 | |
| ## C8.A130.02TCGA | -4.0592770 | -4.0592770 | 1.1885131 | 0.91628403 | 4.773410 | |
| ## C8.A138.03TCGA | 6.0126202 | 6.0345631 | 1.2327393 | -2.04040021 | NA | |
| ## | NP_001020537 | NP_870998 | NP_689585 | NP_775838 | NP_112189 | |
| ## A0.A12D.01TCGA | NA | 1.2866211 | NA | NA | -0.2792060 | |
| ## C8.A131.01TCGA | NA | 0.3633691 | NA | NA | 0.3552733 | |
| ## A0.A12B.01TCGA | NA | 0.2991019 | NA | NA | -3.3786439 | |
| ## BH.A18Q.02TCGA | -5.545335 | -9.9244395 | -7.164499 | 2.7244493 | 1.2156821 | |
| ## C8.A130.02TCGA | 4.773410 | -1.5928157 | 3.123636 | -0.8614049 | 0.4603823 | |
| ## C8.A138.03TCGA | NA | NA | 7.449876 | NA | -2.9217707 | |
| ## | NP_110410 | NP_004754 | NP_689823 | NP_065433 | NP_001326 | |
| ## A0.A12D.01TCGA | NA | -0.8925835 | -0.8697247 | -4.957638 | NA | |
| ## C8.A131.01TCGA | NA | 0.9098330 | 2.5006502 | -1.729385 | NA | |
| ## A0.A12B.01TCGA | NA | -0.7374293 | -4.3348024 | -5.055386 | NA | |
| ## BH.A18Q.02TCGA | NA | 1.2725536 | -12.2595160 | -5.495154 | 3.707992 | |
| ## C8.A130.02TCGA | NA | 0.4079044 | 0.5751777 | 1.739531 | 1.611616 | |
| ## C8.A138.03TCGA | NA | NA | -0.5994874 | 1.675253 | NA | |
| ## | NP_060636 | NP_000067 | NP_872352 | NP_000864 | NP_998768 | NP_036423 |
| ## A0.A12D.01TCGA | 0.46751448 | NA | NA | -1.1706987 | NA | NA |
| ## C8.A131.01TCGA | 1.37938717 | NA | NA | -1.1707778 | NA | NA |
| ## A0.A12B.01TCGA | -0.02238906 | NA | NA | -1.7157596 | NA | NA |
| ## BH.A18Q.02TCGA | -11.82127099 | NA | -5.003383 | -0.5774426 | -7.7566320 | NA |
| ## C8.A130.02TCGA | -1.35666509 | NA | 1.618176 | -0.8614049 | 1.0343593 | NA |
| ## C8.A138.03TCGA | NA | NA | 2.812623 | -1.0639440 | -0.7128587 | -8.593994 |
| ## | NP_862830 | NP_001034485 | NP_004526 | NP_001128521 | NP_775259 | |
| ## A0.A12D.01TCGA | -0.8430561 | 0.2351168 | -4.3290214 | NA | NA | |
| ## C8.A131.01TCGA | -1.3893634 | 3.0349705 | -5.3400952 | NA | NA | |
| ## A0.A12B.01TCGA | -0.1415624 | -1.2861811 | -1.2418376 | NA | NA | |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | BH.A18Q.02TCGA | NA | 2.8549192 | -3.3440734 | 0.7540194 | -5.642351 |
| ## | C8.A130.02TCGA | NA | -0.4514213 | 0.5817374 | 0.6178160 | -2.156953 |
| ## | C8.A138.03TCGA | NA | NA | NA | -0.6909159 | NA |
| ## | | NP_056400 | NP_112210 | NP_004701 | NP_008910 | NP_037489 |
| ## | AO.A12D.01TCGA | -0.73638174 | -0.7973385 | 2.5209957 | NA | -1.8336036 |
| ## | C8.A131.01TCGA | -0.03332327 | 1.3105732 | -0.4947817 | NA | -0.6607448 |
| ## | AO.A12B.01TCGA | 0.66216499 | 0.2603013 | -0.3965380 | NA | 0.2270436 |
| ## | BH.A18Q.02TCGA | -2.36387647 | 0.3759913 | 0.3659551 | -3.083134 | 1.6405456 |
| ## | C8.A130.02TCGA | 2.26759001 | 1.1721138 | -1.4321021 | -2.091356 | 1.0507587 |
| ## | C8.A138.03TCGA | 0.17216899 | 1.8654244 | -0.7823443 | 4.802107 | -0.3288591 |
| ## | | NP_001015508 | NP_006279 | NP_085125 | NP_001035897 | NP_001229303 |
| ## | AO.A12D.01TCGA | -1.8336036 | 3.21056916 | NA | -0.9687794 | NA |
| ## | C8.A131.01TCGA | -0.6607448 | 0.31479449 | NA | 1.9744257 | NA |
| ## | AO.A12B.01TCGA | 0.2270436 | -1.91807719 | NA | 0.3489884 | NA |
| ## | BH.A18Q.02TCGA | 1.6405456 | -0.06894451 | 1.841269 | 0.3291559 | NA |
| ## | C8.A130.02TCGA | 1.0507587 | -1.00243926 | 1.001561 | -1.9863999 | NA |
| ## | C8.A138.03TCGA | -0.3288591 | 2.12142417 | 4.279136 | NA | -0.6653159 |
| ## | | NP_001264156 | NP_002199 | NP_055782 | NP_078991 | NP_054747 |
| ## | AO.A12D.01TCGA | 3.6182176 | NA | 4.2849322 | 0.42941650 | 0.08653467 |
| ## | C8.A131.01TCGA | 2.7637625 | NA | 2.4439799 | -0.12237665 | 1.04746094 |
| ## | AO.A12B.01TCGA | 1.8344984 | NA | 2.0728452 | 1.03631396 | 0.27693012 |
| ## | BH.A18Q.02TCGA | -1.1829567 | NA | 0.4930796 | 0.04479847 | -2.44751102 |
| ## | C8.A130.02TCGA | -0.7400497 | NA | 0.8047685 | -1.63545395 | 0.71949190 |
| ## | C8.A138.03TCGA | 1.9641672 | 2.545652 | 2.1799384 | 1.37171064 | 0.04416912 |
| ## | | NP_659469 | NP_060280 | NP_056467 | NP_001177693 | NP_061166 |
| ## | AO.A12D.01TCGA | 3.9191916 | NA | NA | 0.8332551 | NA |
| ## | C8.A131.01TCGA | 1.4036745 | NA | NA | 0.3066987 | NA |
| ## | AO.A12B.01TCGA | 0.1328135 | NA | NA | 0.7286804 | NA |
| ## | BH.A18Q.02TCGA | -1.1628844 | -5.4282463 | -11.4733513 | -4.7591699 | -2.7051054 |
| ## | C8.A130.02TCGA | 0.2668700 | 0.3193479 | -3.5607370 | 0.8572464 | -0.2316701 |
| ## | C8.A138.03TCGA | -2.1976572 | NA | -0.8993728 | 0.3659974 | NA |
| ## | | NP_060694 | NP_443079 | NP_001373 | NP_079057 | NP_002761 |
| ## | AO.A12D.01TCGA | 1.4390130 | 1.00850582 | NA | -0.6335172 | -0.66399557 |
| ## | C8.A131.01TCGA | 0.6224334 | -0.81051641 | NA | 1.1324664 | 0.04358647 |
| ## | AO.A12B.01TCGA | -0.6265704 | -1.21135135 | NA | -1.8016753 | -0.49076814 |
| ## | BH.A18Q.02TCGA | -0.6911855 | 4.32354187 | NA | -3.2269850 | -4.75916988 |
| ## | C8.A130.02TCGA | 0.2471908 | 0.04055904 | NA | -0.5924556 | 1.51322016 |
| ## | C8.A138.03TCGA | NA | -4.05182675 | 3.979251 | 3.2405088 | 1.91296723 |
| ## | | NP_002760 | XP_003960992 | NP_058515 | NP_057286 | NP_003261 |
| ## | AO.A12D.01TCGA | -0.66399557 | -0.66399557 | NA | NA | 4.7802060 |
| ## | C8.A131.01TCGA | 0.04358647 | 0.04358647 | NA | NA | 3.1725984 |
| ## | AO.A12B.01TCGA | -0.49076814 | -0.49076814 | NA | NA | -0.6459707 |
| ## | BH.A18Q.02TCGA | -6.07055957 | NA | NA | -1.20637435 | -3.8592622 |
| ## | C8.A130.02TCGA | 1.07043787 | NA | NA | -0.04143768 | -1.0942756 |
| ## | C8.A138.03TCGA | 2.45422383 | NA | -0.588516 | 1.94588149 | 1.6130818 |
| ## | | NP_001104753 | NP_000609 | NP_001129396 | NP_001706 | NP_207646 |
| ## | AO.A12D.01TCGA | NA | NA | NA | -3.182272 | NA |
| ## | C8.A131.01TCGA | NA | NA | NA | 1.508919 | NA |
| ## | AO.A12B.01TCGA | NA | NA | NA | -3.076553 | NA |
| ## | BH.A18Q.02TCGA | -0.1693060 | 0.03141694 | -7.248134 | 2.814775 | -2.5344909 |
| ## | C8.A130.02TCGA | 0.3652661 | 0.18487328 | -1.596096 | 1.142595 | 1.1032366 |
| ## | C8.A138.03TCGA | 0.2014261 | 0.09902621 | 2.424967 | -1.246801 | 0.1099976 |
| ## | | NP_653309 | NP_056519 | NP_149132 | NP_001242914 | NP_997255 |
| ## | AO.A12D.01TCGA | NA | 1.23709371 | 4.928788 | -1.3916670 | -7.742601 |

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|----|----------------|-------------|--------------|--------------|--------------|----------------------|
| ## | C8.A131.01TCGA | NA | 0.01120342 | 2.286113 | 1.8610850 | -8.404341 |
| ## | A0.A12B.01TCGA | NA | 0.57070635 | -1.602129 | -0.7374293 | -7.131220 |
| ## | BH.A18Q.02TCGA | -0.9989607 | 0.88783470 | -8.572905 | NA | -18.003537 |
| ## | C8.A130.02TCGA | -1.2189106 | 0.21767196 | 1.014680 | NA | -0.333346 |
| ## | C8.A138.03TCGA | 0.4574258 | -2.35857131 | -3.901884 | NA | 3.635480 |
| ## | | NP_065743 | NP_000822 | NP_000821 | NP_002011 | NP_689624 NP_078868 |
| ## | A0.A12D.01TCGA | NA | NA | 1.1532782 | 0.7075318 | 6.570811 8.7423961 |
| ## | C8.A131.01TCGA | NA | NA | 1.0717482 | 0.7560135 | 1.537255 0.1366877 |
| ## | A0.A12B.01TCGA | NA | NA | 0.5596205 | -0.3743662 | -1.915306 -1.9125342 |
| ## | BH.A18Q.02TCGA | -1.617856 | -7.6228168 | 1.7609794 | 2.9887345 | NA -8.3554554 |
| ## | C8.A130.02TCGA | 1.195073 | -2.7079711 | -0.4874998 | 0.4177440 | NA -0.2218305 |
| ## | C8.A138.03TCGA | 1.561882 | 0.7902255 | -0.1679450 | -2.5414283 | NA 1.6642818 |
| ## | | NP_004262 | NP_004117 | NP_068774 | NP_001185683 | NP_002718 |
| ## | A0.A12D.01TCGA | NA | -0.4201685 | -0.5382722 | NA | -0.5916094 |
| ## | C8.A131.01TCGA | NA | 1.1769931 | 0.2702678 | NA | 3.2737955 |
| ## | A0.A12B.01TCGA | NA | -1.7684176 | -2.0233932 | NA | -1.9790496 |
| ## | BH.A18Q.02TCGA | 3.671192 | -3.7555553 | -8.8572627 | -8.8572627 | NA |
| ## | C8.A130.02TCGA | 1.250831 | -0.4448615 | -0.7203705 | -0.7203705 | NA |
| ## | C8.A138.03TCGA | -2.076972 | NA | NA | NA | NA |
| ## | | NP_660349 | XP_003118897 | XP_003119818 | NP_150638 | NP_006395 |
| ## | A0.A12D.01TCGA | NA | -0.9878284 | -0.9878284 | -1.8069350 | -3.0108312 |
| ## | C8.A131.01TCGA | NA | 1.9865693 | 1.9865693 | -0.6688406 | 0.2297890 |
| ## | A0.A12B.01TCGA | NA | -0.7208005 | -0.7208005 | -1.1282071 | -1.9457919 |
| ## | BH.A18Q.02TCGA | -0.4636996 | -0.5874787 | -0.5874787 | -1.1896474 | 0.2120676 |
| ## | C8.A130.02TCGA | -0.3333460 | -1.0319581 | -1.0319581 | -0.7564491 | -0.2972674 |
| ## | C8.A138.03TCGA | 0.5415400 | -2.4061141 | -2.4061141 | -1.2724010 | -2.1757144 |
| ## | | NP_003216 | XP_003960722 | NP_057619 | NP_001185947 | NP_689663 |
| ## | A0.A12D.01TCGA | -1.4488140 | NA | 1.122799769 | 8.1937852 | -1.083073 |
| ## | C8.A131.01TCGA | -0.7255109 | NA | -1.021006216 | 4.1117068 | -1.097916 |
| ## | A0.A12B.01TCGA | 3.6414994 | NA | -0.005760212 | -3.0848677 | -4.747752 |
| ## | BH.A18Q.02TCGA | -11.3428814 | -0.8283462 | 0.456280438 | -2.6515793 | -2.778704 |
| ## | C8.A130.02TCGA | -6.3158268 | -1.9044032 | 3.418823977 | -0.6252543 | 3.310588 |
| ## | C8.A138.03TCGA | -1.9782288 | -2.2744571 | -0.431258972 | -0.2922877 | 3.708623 |
| ## | | NP_776195 | NP_619646 | NP_001157196 | NP_004870 | NP_005661 |
| ## | A0.A12D.01TCGA | 5.0887997 | -1.0335460 | 6.9289322 | 1.9533358 | -1.0564048 |
| ## | C8.A131.01TCGA | 0.5860025 | -3.9354805 | 0.5050449 | 0.1366877 | -0.7133673 |
| ## | A0.A12B.01TCGA | -0.6154845 | 1.4936072 | -1.4884987 | -1.5162135 | 1.2802037 |
| ## | BH.A18Q.02TCGA | -0.9554707 | 0.6135134 | -4.2607080 | -0.1693060 | -0.5105349 |
| ## | C8.A130.02TCGA | -0.4448615 | 0.4210238 | -2.1438336 | -2.9146028 | -0.9696406 |
| ## | C8.A138.03TCGA | 1.7410817 | 1.6533104 | 0.5049687 | 1.7995959 | -2.0477145 |
| ## | | NP_003311 | NP_620126 | NP_055377 | NP_653188 | NP_848595 NP_071400 |
| ## | A0.A12D.01TCGA | 1.4580620 | NA | NA | NA | -0.6716152 0.5551398 |
| ## | C8.A131.01TCGA | 1.0919876 | NA | NA | NA | 0.1731187 -1.5269913 |
| ## | A0.A12B.01TCGA | 0.2686157 | NA | NA | NA | 2.0146442 0.3074163 |
| ## | BH.A18Q.02TCGA | NA | -0.1826875 | 3.457088 | -3.2671296 | 1.6271641 NA |
| ## | C8.A130.02TCGA | NA | -1.0909957 | 1.106516 | 0.4046245 | 1.0310794 NA |
| ## | C8.A138.03TCGA | 4.0304508 | -2.0879430 | NA | -5.9827962 | 0.4501116 1.2875964 |
| ## | | NP_803875 | NP_001074294 | NP_060021 | NP_001129734 | NP_006326 |
| ## | A0.A12D.01TCGA | NA | 0.38750872 | 0.6351456 | -0.01632988 | NA |
| ## | C8.A131.01TCGA | NA | 0.73982199 | -2.2394184 | 0.31884237 | NA |
| ## | A0.A12B.01TCGA | NA | 0.09678432 | -5.8175409 | -1.38318273 | NA |
| ## | BH.A18Q.02TCGA | -0.7012217 | NA | -0.8183101 | -0.17265135 | NA |
| ## | C8.A130.02TCGA | -0.3792642 | NA | 1.1589943 | 0.44398291 | NA |
| ## | C8.A138.03TCGA | 0.2782260 | 0.31845456 | 4.3083934 | 0.53422577 | NA |

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|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_001032852 | NP_065185 | NP_115666 | NP_443090 | NP_002079 |
| ## | AO.A12D.01TCGA | NA | NA | -1.8945604 | NA | NA |
| ## | C8.A131.01TCGA | NA | NA | -1.0129105 | NA | NA |
| ## | AO.A12B.01TCGA | NA | NA | 1.8705276 | NA | NA |
| ## | BH.A18Q.02TCGA | -14.5076126 | -4.585210 | 0.1853045 | NA | -3.4210171 |
| ## | C8.A130.02TCGA | -0.3235064 | 2.392225 | 0.8244477 | NA | 0.2209518 |
| ## | C8.A138.03TCGA | 6.5941054 | 1.269311 | 3.2149088 | NA | 1.0352538 |
| ## | | NP_001127965 | NP_004966 | NP_997194 | XP_003960637 | NP_008957 |
| ## | AO.A12D.01TCGA | -0.2525374 | NA | NA | NA | -1.9250388 |
| ## | C8.A131.01TCGA | -1.1383948 | NA | NA | NA | -3.6318894 |
| ## | AO.A12B.01TCGA | -0.9702331 | NA | NA | NA | -0.5988556 |
| ## | BH.A18Q.02TCGA | 0.1418145 | NA | -0.88856307 | -5.3044671 | 1.2324090 |
| ## | C8.A130.02TCGA | -0.4973395 | NA | 0.06679799 | -0.1037552 | 1.9297635 |
| ## | C8.A138.03TCGA | 0.4208545 | NA | -0.45685895 | NA | -0.7348015 |
| ## | | NP_996879 | NP_683513 | NP_073619 | NP_001104740 | NP_001074016 |
| ## | AO.A12D.01TCGA | NA | NA | NA | -0.94973043 | -0.1763414 |
| ## | C8.A131.01TCGA | NA | NA | NA | -1.54318285 | 0.1731187 |
| ## | AO.A12B.01TCGA | NA | NA | NA | 0.44599003 | -1.2168943 |
| ## | BH.A18Q.02TCGA | -5.38141091 | -4.197146 | NA | 0.05148923 | 2.9385538 |
| ## | C8.A130.02TCGA | -0.09063571 | -1.327146 | NA | 0.29310895 | -0.3103869 |
| ## | C8.A138.03TCGA | -0.18988779 | -1.996515 | NA | 1.44851056 | -0.1935449 |
| ## | | NP_659475 | NP_071373 | NP_112583 | NP_061932 | NP_078953 |
| ## | AO.A12D.01TCGA | NA | 0.1893992 | -7.742601 | NA | NA |
| ## | C8.A131.01TCGA | NA | -0.9926710 | -8.404341 | NA | NA |
| ## | AO.A12B.01TCGA | NA | -3.2151270 | -7.131220 | NA | NA |
| ## | BH.A18Q.02TCGA | 1.28593514 | 1.5435295 | NA | 0.5566419 | -1.3836796 |
| ## | C8.A130.02TCGA | 0.07335773 | 2.2938290 | NA | -0.6055751 | -0.3399057 |
| ## | C8.A138.03TCGA | 0.29285458 | -0.8591443 | 5.723706 | 1.2473679 | -1.5869149 |
| ## | | XP_001719673 | YP_003024030 | NP_878901 | NP_006195 | NP_004764 |
| ## | AO.A12D.01TCGA | 1.6980793 | 2.42575074 | 0.2160678 | -0.83543649 | NA |
| ## | C8.A131.01TCGA | 2.7313794 | 0.65076861 | -0.7821812 | -0.70527150 | NA |
| ## | AO.A12B.01TCGA | -0.6542851 | -0.42702424 | -0.5628265 | -1.79613234 | NA |
| ## | BH.A18Q.02TCGA | NA | -0.09570757 | -3.2537480 | -3.01957131 | 0.7105295 |
| ## | C8.A130.02TCGA | NA | -0.31366679 | 2.3364673 | 0.02743957 | 0.9326834 |
| ## | C8.A138.03TCGA | NA | 0.71342559 | 2.0482814 | -1.97457170 | NA |
| ## | | NP_001185879 | NP_653170 | NP_001264301 | NP_981948 | NP_004084 |
| ## | AO.A12D.01TCGA | NA | 0.5170419 | -2.206964 | NA | -1.0449754 |
| ## | C8.A131.01TCGA | NA | 2.0837185 | -2.239418 | NA | 2.4237405 |
| ## | AO.A12B.01TCGA | NA | -0.1166192 | -3.630848 | NA | -0.6986287 |
| ## | BH.A18Q.02TCGA | 0.7205656 | NA | -14.186456 | -1.547603 | NA |
| ## | C8.A130.02TCGA | 1.1557145 | NA | -2.081516 | -2.268469 | NA |
| ## | C8.A138.03TCGA | -1.6893148 | NA | 7.109762 | 1.236396 | 1.4119392 |
| ## | | NP_004071 | NP_938012 | NP_116251 | NP_001161693 | NP_001019845 |
| ## | AO.A12D.01TCGA | -0.51160364 | -1.8602722 | -5.258612 | 2.2885980 | NA |
| ## | C8.A131.01TCGA | -0.07380208 | -0.8955219 | -4.931259 | 0.3917042 | NA |
| ## | AO.A12B.01TCGA | 0.41550382 | -6.2110902 | 0.398875 | 2.0035583 | NA |
| ## | BH.A18Q.02TCGA | 2.64416018 | -3.4310533 | 4.029148 | -5.5118808 | 0.9580877 |
| ## | C8.A130.02TCGA | -0.56293683 | 1.2836293 | -1.012279 | 1.7296915 | 0.3783855 |
| ## | C8.A138.03TCGA | 1.36439636 | -0.5812017 | 1.667939 | NA | -0.9103442 |
| ## | | NP_079040 | NP_115512 | NP_001165347 | NP_005468 | NP_066550 |
| ## | AO.A12D.01TCGA | NA | -0.2944451 | -0.94973043 | NA | NA |
| ## | C8.A131.01TCGA | NA | -0.8024206 | -1.54318285 | NA | NA |
| ## | AO.A12B.01TCGA | NA | -3.5975904 | 0.44599003 | NA | NA |
| ## | BH.A18Q.02TCGA | -12.306351 | 0.5064612 | -0.26297666 | NA | NA |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A130.02TCGA | 1.437783 | -1.0877158 | 0.02087983 | NA | NA |
| ## | C8.A138.03TCGA | NA | -0.9798298 | 0.66953992 | NA | NA |
| ## | | NP_071379 | NP_001027535 | NP_001035546 | NP_000187 | NP_789790 |
| ## | A0.A12D.01TCGA | 2.95150289 | NA | 4.9059293 | NA | -1.6545431 |
| ## | C8.A131.01TCGA | 1.64249943 | NA | -0.2681004 | NA | -0.2600046 |
| ## | A0.A12B.01TCGA | 0.65662204 | NA | -0.1775916 | NA | 0.4626189 |
| ## | BH.A18Q.02TCGA | 1.22237288 | -1.2030290 | NA | NA | 1.5669472 |
| ## | C8.A130.02TCGA | -0.01191886 | -0.9073231 | NA | NA | 1.6345753 |
| ## | C8.A138.03TCGA | 2.66268076 | 1.2071394 | 1.6313675 | -3.199713 | -0.7018873 |
| ## | | NP_689630 | NP_000918 | NP_689986 | NP_001015072 | NP_848661 |
| ## | A0.A12D.01TCGA | 2.429561 | -1.4831022 | -0.05442786 | -1.41071601 | NA |
| ## | C8.A131.01TCGA | 1.808463 | -0.1749991 | 1.06365246 | -0.98052741 | NA |
| ## | A0.A12B.01TCGA | -2.466829 | -4.4789190 | -0.85383122 | 1.09451492 | NA |
| ## | BH.A18Q.02TCGA | NA | -10.3593391 | NA | -0.06894451 | NA |
| ## | C8.A130.02TCGA | NA | 0.6965328 | NA | -0.93356201 | NA |
| ## | C8.A138.03TCGA | NA | 3.0942232 | NA | NA | -1.788058 |
| ## | | NP_001556 | NP_060470 | NP_001019978 | NP_006276 | NP_003586 |
| ## | A0.A12D.01TCGA | 9.1500445 | -2.0621915 | NA | NA | NA |
| ## | C8.A131.01TCGA | -0.7740855 | -2.5713446 | NA | NA | NA |
| ## | A0.A12B.01TCGA | -2.4363428 | -2.0039929 | NA | NA | NA |
| ## | BH.A18Q.02TCGA | 2.2928951 | -4.0064590 | -0.7146032 | 0.53656960 | -3.280511 |
| ## | C8.A130.02TCGA | -1.6452936 | -0.0807961 | 0.7818094 | -0.05127728 | -1.127074 |
| ## | C8.A138.03TCGA | -1.5357150 | NA | -2.4646283 | 1.32416783 | NA |
| ## | | NP_057032 | NP_037454 | NP_055370 | NP_060792 | NP_857596 |
| ## | A0.A12D.01TCGA | NA | NA | -2.7289062 | NA | -0.3401627 |
| ## | C8.A131.01TCGA | NA | NA | 2.1646761 | NA | -1.7131939 |
| ## | A0.A12B.01TCGA | NA | NA | -0.3272512 | NA | -1.5633285 |
| ## | BH.A18Q.02TCGA | 0.2254491 | NA | NA | -3.0396436 | 0.9580877 |
| ## | C8.A130.02TCGA | -2.5013393 | NA | NA | -0.2939876 | 1.6017766 |
| ## | C8.A138.03TCGA | 2.4834809 | NA | 2.9698805 | NA | 0.8121683 |
| ## | | NP_067021 | NP_940969 | NP_056074 | NP_003398 | NP_001013671 |
| ## | A0.A12D.01TCGA | 2.08286891 | 1.0542234 | NA | 1.1189900 | 0.15511104 |
| ## | C8.A131.01TCGA | -0.01308386 | -0.2438131 | NA | 1.1769931 | 1.44415327 |
| ## | A0.A12B.01TCGA | 1.31623283 | -1.6963593 | NA | -1.0700062 | 0.46539035 |
| ## | BH.A18Q.02TCGA | -1.60447479 | -3.2303304 | -0.1090891 | -0.6510410 | -2.34380418 |
| ## | C8.A130.02TCGA | -1.15987296 | 0.9130042 | -0.5826160 | 0.7490107 | 0.01104023 |
| ## | C8.A138.03TCGA | 0.24165463 | 2.9223376 | NA | -3.2874847 | 2.88210911 |
| ## | | NP_001030177 | NP_001034589 | NP_060247 | NP_056323 | NP_037469 |
| ## | A0.A12D.01TCGA | -0.5268428 | 1.4237738 | 5.923145 | 2.5324251 | NA |
| ## | C8.A131.01TCGA | -2.1584608 | 0.8450669 | 2.541129 | -0.3004834 | NA |
| ## | A0.A12B.01TCGA | -2.4169425 | -2.2894547 | -3.525532 | 1.8483558 | NA |
| ## | BH.A18Q.02TCGA | -8.5160337 | -3.6585393 | -9.466122 | -3.1333143 | -0.8852177 |
| ## | C8.A130.02TCGA | -0.1496734 | 3.0154001 | -0.159513 | -4.1084751 | 0.1783135 |
| ## | C8.A138.03TCGA | 3.8731938 | -0.7055444 | 2.344510 | -1.5649721 | 0.5269115 |
| ## | | NP_689480 | NP_689801 | NP_002821 | NP_001012986 | NP_115536 |
| ## | A0.A12D.01TCGA | 2.8333991 | -3.243229 | 0.20463841 | 1.2066153 | NA |
| ## | C8.A131.01TCGA | 0.8976893 | -2.037024 | 0.02739495 | -0.6971757 | NA |
| ## | A0.A12B.01TCGA | -1.5300708 | -1.402583 | -2.31716942 | 0.1272705 | NA |
| ## | BH.A18Q.02TCGA | NA | 2.547144 | -4.48150319 | -2.0159568 | 3.0790598 |
| ## | C8.A130.02TCGA | NA | 1.208192 | -0.73021014 | 0.5063004 | 0.6801335 |
| ## | C8.A138.03TCGA | 2.5639380 | -2.080629 | -1.20657247 | NA | -0.2264592 |
| ## | | NP_001029058 | NP_078963 | NP_945346 | NP_005940 | NP_110404 |
| ## | A0.A12D.01TCGA | -0.9992578 | 1.179947 | NA | -1.12117135 | 4.006817 |
| ## | C8.A131.01TCGA | 1.6263079 | 2.784002 | NA | 0.61838556 | 1.464393 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | A0.A12B.01TCGA | 0.9781130 | -1.998450 | NA | -4.74775201 | -2.344884 |
| ## | BH.A18Q.02TCGA | 1.2792444 | -3.049680 | -1.8319608 | -4.19045497 | NA |
| ## | C8.A130.02TCGA | -0.4645408 | 1.641135 | 0.2471908 | -0.78596791 | NA |
| ## | C8.A138.03TCGA | -3.0790277 | -1.257772 | NA | 0.09902621 | 5.540849 |
| ## | | NP_001079990 | NP_055489 | NP_705841 | NP_001005404 | NP_115732 |
| ## | A0.A12D.01TCGA | NA | NA | -0.6906642 | NA | -0.9497304 |
| ## | C8.A131.01TCGA | NA | NA | 10.0661397 | NA | -3.1785268 |
| ## | A0.A12B.01TCGA | NA | NA | -1.4496981 | NA | -2.9934091 |
| ## | BH.A18Q.02TCGA | -4.538375 | NA | -0.1592698 | 0.1485053 | 0.3927182 |
| ## | C8.A130.02TCGA | 2.644775 | NA | 6.4035046 | -0.6252543 | 1.1032366 |
| ## | C8.A138.03TCGA | -2.969314 | 2.220167 | -0.8079443 | NA | 0.7353684 |
| ## | | NP_077271 | NP_056487 | NP_001025125 | NP_001139334 | NP_001264993 |
| ## | A0.A12D.01TCGA | 4.90592935 | 1.2332839 | -0.08871605 | NA | -0.4354077 |
| ## | C8.A131.01TCGA | 2.54517688 | 0.2702678 | -0.62431388 | NA | -0.6202660 |
| ## | A0.A12B.01TCGA | -2.04833646 | -2.7024043 | 1.86498465 | NA | -2.3781419 |
| ## | BH.A18Q.02TCGA | -0.07563528 | -7.9640457 | NA | NA | NA |
| ## | C8.A130.02TCGA | -0.41534273 | 0.8670860 | NA | NA | NA |
| ## | C8.A138.03TCGA | 0.80851120 | NA | NA | NA | 3.9499937 |
| ## | | NP_064455 | NP_060166 | NP_008969 | NP_001073885 | NP_476515 |
| ## | A0.A12D.01TCGA | NA | -0.6678054 | 1.3399583 | NA | NA |
| ## | C8.A131.01TCGA | NA | 0.4969491 | 0.6993432 | NA | NA |
| ## | A0.A12B.01TCGA | NA | -4.8004100 | 0.2048718 | NA | NA |
| ## | BH.A18Q.02TCGA | -0.2261775 | NA | -6.4853869 | -7.3953308 | NA |
| ## | C8.A130.02TCGA | -1.1795522 | NA | -0.0283182 | 0.4439829 | NA |
| ## | C8.A138.03TCGA | -2.1464572 | NA | -2.5523997 | -0.8262300 | NA |
| ## | | NP_004347 | NP_001001436 | NP_001244220 | NP_001139020 | NP_001036075 |
| ## | A0.A12D.01TCGA | 1.9685750 | NA | NA | NA | 1.2523329 |
| ## | C8.A131.01TCGA | 1.9744257 | NA | NA | NA | 1.2619986 |
| ## | A0.A12B.01TCGA | -1.1753222 | NA | NA | NA | -0.7014002 |
| ## | BH.A18Q.02TCGA | -0.2094506 | -1.192993 | -3.4845794 | NA | -0.6276233 |
| ## | C8.A130.02TCGA | -1.9339220 | 1.503381 | -0.7367699 | NA | -0.1496734 |
| ## | C8.A138.03TCGA | -0.5153732 | NA | 2.0373100 | NA | 2.3225668 |
| ## | | NP_997001 | NP_835463 | NP_066362 | NP_006426 | NP_003632 |
| ## | A0.A12D.01TCGA | 1.7133185 | 6.2355489 | 0.63514560 | -0.1763414 | -0.2906354 |
| ## | C8.A131.01TCGA | 1.3105732 | 3.6259611 | 0.79649232 | 0.2581242 | 0.6426728 |
| ## | A0.A12B.01TCGA | -0.6043986 | 1.5046930 | 0.42381824 | -1.1032639 | 0.8949688 |
| ## | BH.A18Q.02TCGA | 0.6603487 | NA | 0.02807156 | -0.1157799 | -0.8049285 |
| ## | C8.A130.02TCGA | 0.2045525 | NA | -0.66461276 | -1.6190546 | -0.9598010 |
| ## | C8.A138.03TCGA | 0.3440545 | 0.2270261 | -0.82623000 | -2.8230280 | -0.6543445 |
| ## | | NP_001073970 | NP_004885 | NP_001120865 | XP_003846622 | NP_757351 |
| ## | A0.A12D.01TCGA | NA | -1.1973673 | -1.197367 | 0.4141773 | NA |
| ## | C8.A131.01TCGA | NA | -1.4743689 | -1.474369 | 1.2174719 | NA |
| ## | A0.A12B.01TCGA | NA | -3.3647865 | -3.364787 | 0.6427647 | NA |
| ## | BH.A18Q.02TCGA | 0.9112524 | -4.5751739 | -4.575174 | -7.9740819 | 2.135662 |
| ## | C8.A130.02TCGA | -0.3563051 | -1.8125669 | -1.812567 | 1.4902611 | -1.389464 |
| ## | C8.A138.03TCGA | 1.0242824 | 0.1136548 | 0.278226 | -0.5629160 | NA |
| ## | | NP_689656 | NP_115693 | NP_001479 | NP_001034636 | NP_001129735 |
| ## | A0.A12D.01TCGA | -0.1039552 | 4.34207922 | 3.5153530 | NA | NA |
| ## | C8.A131.01TCGA | 2.4763629 | 0.25002840 | 1.1243707 | NA | NA |
| ## | A0.A12B.01TCGA | -3.2511561 | 0.07461253 | -0.8011732 | NA | NA |
| ## | BH.A18Q.02TCGA | -7.1511179 | NA | -10.6135881 | -0.51388030 | 1.245791 |
| ## | C8.A130.02TCGA | -1.6977715 | NA | -0.1463935 | -0.01519873 | 2.434863 |
| ## | C8.A138.03TCGA | 2.5054238 | NA | NA | 0.15388329 | -3.247256 |
| ## | | XP_003960882 | XP_003846818 | NP_848594 | NP_006666 | NP_001073954 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | AO.A12D.01TCGA | NA | NA | -0.1230042 | NA | 5.446921 |
| ## | C8.A131.01TCGA | NA | NA | 1.7598880 | NA | -1.004815 |
| ## | AO.A12B.01TCGA | NA | NA | -1.3443821 | NA | -4.276601 |
| ## | BH.A18Q.02TCGA | -2.6850331 | -4.739098 | -2.8924468 | NA | -9.466122 |
| ## | C8.A130.02TCGA | -0.3267863 | -1.113955 | 0.8244477 | NA | -0.159513 |
| ## | C8.A138.03TCGA | NA | NA | NA | NA | 3.598908 |
| ## | | NP_001243276 | NP_001033043 | NP_219500 | NP_067638 | NP_078993 |
| ## | AO.A12D.01TCGA | -0.6906642 | 0.09415427 | NA | NA | 6.27745669 |
| ## | C8.A131.01TCGA | 6.9816544 | -0.28429189 | NA | NA | 0.09216104 |
| ## | AO.A12B.01TCGA | -1.7684176 | -0.02793200 | NA | NA | -3.90245248 |
| ## | BH.A18Q.02TCGA | -9.6601543 | 0.05818000 | NA | 2.2393690 | -5.04687272 |
| ## | C8.A130.02TCGA | -0.8810841 | 0.13239537 | NA | 0.1389551 | 0.54237898 |
| ## | C8.A138.03TCGA | -0.3288591 | 0.22702608 | 1.415596 | 2.2603955 | 0.35868309 |
| ## | | NP_001071174 | NP_115809 | NP_057540 | NP_689732 | NP_001136155 |
| ## | AO.A12D.01TCGA | NA | NA | 2.7686326 | -1.959327 | 0.7113416 |
| ## | C8.A131.01TCGA | NA | NA | 0.5738589 | -1.348885 | 2.8042413 |
| ## | AO.A12B.01TCGA | NA | NA | -1.1420645 | -2.821578 | -3.5837330 |
| ## | BH.A18Q.02TCGA | -1.3000450 | -1.1026675 | -6.5121500 | 1.603746 | -1.8118885 |
| ## | C8.A130.02TCGA | -0.1463935 | 1.4312234 | 0.8867652 | 1.493541 | -0.4973395 |
| ## | C8.A138.03TCGA | 0.2928546 | -0.5738874 | 2.3920525 | 0.120969 | 0.4976544 |
| ## | | NP_001026904 | NP_085127 | NP_733828 | NP_660312 | NP_002537 |
| ## | AO.A12D.01TCGA | -1.30404166 | NA | NA | NA | NA |
| ## | C8.A131.01TCGA | 0.12859197 | NA | NA | NA | NA |
| ## | AO.A12B.01TCGA | 1.99247245 | NA | NA | NA | NA |
| ## | BH.A18Q.02TCGA | -0.05890837 | -1.6680370 | -6.247865 | NA | -7.204644 |
| ## | C8.A130.02TCGA | 0.84412692 | 0.6932529 | -1.970001 | NA | -2.265189 |
| ## | C8.A138.03TCGA | -1.16268681 | NA | 4.037765 | NA | 1.942224 |
| ## | | XP_003960780 | NP_524558 | NP_689540 | NP_001009923 | NP_003924 |
| ## | AO.A12D.01TCGA | -0.6601858 | -0.3134941 | -2.3479264 | 3.48487463 | 6.8032088 |
| ## | C8.A131.01TCGA | 2.0310960 | 2.1646761 | -0.4704944 | 0.00715554 | -0.6809842 |
| ## | AO.A12B.01TCGA | 0.2021003 | 1.0584858 | -2.3282553 | -0.93420396 | 2.2945631 |
| ## | BH.A18Q.02TCGA | -2.5846717 | -1.1361213 | -6.5288769 | 0.33250131 | -5.2609772 |
| ## | C8.A130.02TCGA | -2.4259023 | -1.3337060 | -7.6343341 | -0.98276004 | -1.5665767 |
| ## | C8.A138.03TCGA | NA | -0.8335443 | -7.3395949 | 2.32256682 | 3.7525082 |
| ## | | NP_001104768 | NP_076426 | NP_852610 | NP_006040 | NP_001033796 |
| ## | AO.A12D.01TCGA | 2.3914626 | 0.3608401 | -1.74978805 | NA | NA |
| ## | C8.A131.01TCGA | 0.7641093 | -1.8143909 | 1.85298924 | NA | NA |
| ## | AO.A12B.01TCGA | -0.6043986 | 1.8372699 | -1.40258305 | NA | NA |
| ## | BH.A18Q.02TCGA | -3.2537480 | -0.3599927 | 2.55048948 | NA | NA |
| ## | C8.A130.02TCGA | 0.8310074 | -0.6055751 | 1.82808758 | NA | NA |
| ## | C8.A138.03TCGA | 3.6025655 | -1.0237155 | -0.00337369 | NA | NA |
| ## | | NP_004043 | NP_872434 | NP_064629 | NP_000824 | NP_060689 |
| ## | AO.A12D.01TCGA | NA | NA | NA | NA | 1.0732724 |
| ## | C8.A131.01TCGA | NA | NA | NA | NA | 2.4277883 |
| ## | AO.A12B.01TCGA | NA | NA | NA | NA | -1.4524696 |
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| ## | C8.A130.02TCGA | 1.6640941 | NA | -0.5793362 | -0.4842200 | 2.5430990 |
| ## | C8.A138.03TCGA | 0.9986824 | NA | -0.7640586 | -0.2337735 | NA |
| ## | | NP_001180442 | NP_598004 | NP_001096036 | NP_619636 | NP_207837 |
| ## | AO.A12D.01TCGA | -0.3744509 | -0.19920019 | NA | NA | -4.1347217 |
| ## | C8.A131.01TCGA | 0.4524224 | -2.93160601 | NA | NA | -7.5340466 |
| ## | AO.A12B.01TCGA | -0.8649171 | -2.43357133 | NA | NA | -4.2904588 |
| ## | BH.A18Q.02TCGA | NA | -6.65265602 | 2.911791 | -9.392524 | -0.8216554 |
| ## | C8.A130.02TCGA | NA | 2.17575368 | -1.809287 | 1.801849 | 1.9068044 |

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## C8.A138.03TCGA      NA  0.02222628      6.458791 -1.294344  2.1104527
##      NP_940938 NP_002293 NP_001007560 NP_976054 NP_848642
## AO.A12D.01TCGA      2.6505288      NA  -0.2030100  0.70753177 -2.6489004
## C8.A131.01TCGA -0.1790470      NA  -0.4664465  0.83292325 -0.2033343
## AO.A12B.01TCGA -0.6570566      NA  -0.5267973  0.06075516  0.3517599
## BH.A18Q.02TCGA -3.6485031      NA  0.1183969  1.99515609  0.1183969
## C8.A130.02TCGA -1.2517093      NA  -0.3038272  0.87364574  0.4439829
## C8.A138.03TCGA  5.6542206      NA  0.2160547  2.79799491 -0.7457729
##      NP_001239225 NP_443142 NP_006167 NP_775886 NP_055214
## AO.A12D.01TCGA      NA  4.616385  0.3722695 -3.0108312 -0.9687794
## C8.A131.01TCGA      NA -1.215305  2.0270481  0.4078958 -3.1218564
## AO.A12B.01TCGA      NA -2.095452 -0.8621456 -4.4789190 -3.6059048
## BH.A18Q.02TCGA  -0.5306072 -7.070829 -4.1536558  4.2231804 -2.4140572
## C8.A130.02TCGA  0.4472628  2.762850 -0.7925276  0.4899011 -2.1307141
## C8.A138.03TCGA      NA  2.271367  1.1230252 -2.1830286  2.1799384
##      NP_005025 NP_001164163 NP_995586 NP_954983 NP_149985
## AO.A12D.01TCGA -0.30206474  1.1608978 -0.6449466 -0.5154134  5.3097680
## C8.A131.01TCGA  0.50909278  2.2456337 -0.1669033  2.2780167  2.4520756
## AO.A12B.01TCGA  2.10887436 -3.0377526 -0.2939935 -0.8372024 -0.7873158
## BH.A18Q.02TCGA  0.09163381 -6.4385516 -6.1541941 -5.8865636      NA
## C8.A130.02TCGA  0.70309256 -2.6522133 -3.4885799 -0.7203705      NA
## C8.A138.03TCGA -0.71651583  0.9255397  3.7525082  0.3221117 -1.0273727
##      NP_203528 NP_054728 NP_055598 NP_000404 NP_004561 NP_055179
## AO.A12D.01TCGA      NA      NA      NA      NA      NA -2.412693
## C8.A131.01TCGA      NA      NA      NA      NA      NA  1.136514
## AO.A12B.01TCGA      NA      NA      NA      NA      NA -1.906991
## BH.A18Q.02TCGA -8.138006 -6.870106  0.3057383      NA -11.7911625  1.630509
## C8.A130.02TCGA  2.028160  1.418104  2.7890892      NA  0.2996687  1.011400
## C8.A138.03TCGA      NA  1.686225 -2.5926282      NA  2.7687378 -1.682001
##      NP_002514 NP_004107 NP_001289 NP_004622 NP_689879
## AO.A12D.01TCGA -0.9383010      NA -2.1307679  0.2122580 -4.4737937
## C8.A131.01TCGA  0.5657631      NA  7.8721882  3.1523590  0.8126838
## AO.A12B.01TCGA -1.0727777      NA -1.7601032 -0.5212544 -4.3957748
## BH.A18Q.02TCGA -0.5540249 -14.7150263 -0.6476956 -1.4104426 -5.5319531
## C8.A130.02TCGA -1.5895358 -0.5465375 -0.8778042  0.5686179  2.4709419
## C8.A138.03TCGA  1.4338820  2.1287384  1.2583393 -1.6234863      NA
##      NP_005105 NP_689672 NP_001916 NP_003713 NP_001108451
## AO.A12D.01TCGA -0.2411080  2.7648228      NA -7.605448      NA
## C8.A131.01TCGA  2.5856557  2.9013904      NA  2.257777      NA
## AO.A12B.01TCGA -0.6016271 -0.1609627      NA -5.886828      NA
## BH.A18Q.02TCGA  0.5332242 -2.6147801      NA -3.086479  2.2460597
## C8.A130.02TCGA  0.8146081  0.9458029      NA  3.248271  0.7686899
## C8.A138.03TCGA -4.0627982 -0.5812017      NA -2.651142      NA
##      NP_001012267 NP_064450 NP_005067 NP_001011657 NP_076985
## AO.A12D.01TCGA      NA      NA      NA      NA -1.9478976
## C8.A131.01TCGA      NA      NA      NA      NA -0.4826381
## AO.A12B.01TCGA      NA      NA      NA      NA -2.2949976
## BH.A18Q.02TCGA -3.19687655      NA -0.03214531 -0.7045671  3.3065458
## C8.A130.02TCGA -0.05783702      NA  3.36634608 -1.1729924  0.4210238
## C8.A138.03TCGA  1.99708143  1.287596  0.96942533  0.1136548      NA
##      NP_037490 NP_001189 NP_005406 NP_004532 NP_037519
## AO.A12D.01TCGA -1.483102  0.31512256  3.1381830 -0.8849639 -1.0945028
## C8.A131.01TCGA  6.014211  1.46034479 -0.1142809 -1.4500816  0.3228903
## AO.A12B.01TCGA -1.726845 -3.62807657 -1.9069913 -0.4159383 -0.4436531

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## BH.A18Q.02TCGA -4.394523 0.74732866 0.5432604 -6.2211018 -0.9521253
## C8.A130.02TCGA -2.609575 0.01759996 -0.3792642 0.3127882 -2.3143868
## C8.A138.03TCGA -5.324511 0.18314041 2.1177670 0.6146828 1.1632537
## NP_001195 NP_699192 NP_001156896 NP_079333 NP_612439
## AO.A12D.01TCGA 12.6664882 5.5764538 -2.4088831 NA 0.74943955
## C8.A131.01TCGA 0.1407356 -1.9074921 -1.7779599 NA 0.83292325
## AO.A12B.01TCGA -2.8548354 -0.1803631 1.1416300 NA 0.98642743
## BH.A18Q.02TCGA -6.7095275 -0.8383823 -0.8785269 -0.8952538 -3.93620595
## C8.A130.02TCGA -0.5104589 1.2475508 -0.7072511 2.0543985 -3.09171572
## C8.A138.03TCGA NA NA -0.6945730 4.1657650 -0.09845931
## NP_001027006 NP_003838 NP_599023 NP_005051 NP_065198
## AO.A12D.01TCGA -1.4716728 -0.08109645 NA 2.4676585 -1.2392751
## C8.A131.01TCGA 4.4800640 -1.10196383 NA 1.3470041 -0.8388516
## AO.A12B.01TCGA -1.5965862 -3.93016722 NA -1.7462458 -1.9069913
## BH.A18Q.02TCGA -3.4979609 NA -0.82834620 -3.6986838 NA
## C8.A130.02TCGA -2.4816601 NA 0.09959668 0.4931809 NA
## C8.A138.03TCGA -0.4970875 4.63387877 -0.05457364 1.4814248 NA
## XP_370934 NP_001034795 NP_002142 NP_852662 NP_001129467
## AO.A12D.01TCGA 2.4028920 NA -8.676001 NA -0.7897189
## C8.A131.01TCGA 4.7553199 NA -7.113067 NA 0.5536195
## AO.A12B.01TCGA 0.2436724 NA -6.454980 NA 0.6205929
## BH.A18Q.02TCGA NA -2.9727360 -4.243981 NA 0.9045616
## C8.A130.02TCGA NA 0.2439109 -1.389464 NA 0.6965328
## C8.A138.03TCGA 0.3440545 0.4793687 -5.284283 NA 2.4834809
## NP_477521 NP_060804 NP_001025459 NP_689692 NP_001009993
## AO.A12D.01TCGA 2.7762522 0.193209017 NA 1.9266672 2.0676297
## C8.A131.01TCGA -0.3247707 0.197405944 NA -1.4055549 1.7882231
## AO.A12B.01TCGA -7.3806522 -0.000217265 NA -2.2035390 0.4820192
## BH.A18Q.02TCGA -6.2010295 -5.434937019 -1.300045039 -4.7524791 -0.8116193
## C8.A130.02TCGA -10.7830082 -0.353025220 -0.002079251 -0.2775882 -1.2090710
## C8.A138.03TCGA -5.5805109 -0.807944306 0.289197444 -5.0319400 -0.4093161
## NP_001092302 NP_001177695 NP_002437 NP_001229 NP_001025034
## AO.A12D.01TCGA NA NA 12.43790032 0.1513012 -0.2715864
## C8.A131.01TCGA NA NA 2.28611250 0.1083526 -0.9764795
## AO.A12B.01TCGA NA NA -1.60212917 -0.3965380 -0.2912220
## BH.A18Q.02TCGA -5.9835796 NA -4.98331047 -3.5815955 NA
## C8.A130.02TCGA -0.5924556 NA -0.02175846 1.1327554 NA
## C8.A138.03TCGA NA 0.9694253 -2.00748595 -0.8518300 1.4448534
## NP_001138904 NP_115688 NP_690008 NP_002968 NP_060838
## AO.A12D.01TCGA 0.2732148 1.1037508 -3.250849 2.9248343 1.89618880
## C8.A131.01TCGA 0.4929013 -0.7497982 -4.927211 0.7195826 0.07192163
## AO.A12B.01TCGA -0.3660518 0.6344503 -1.505128 -5.7205393 0.65107910
## BH.A18Q.02TCGA -0.4971534 -0.9688522 NA -9.6869174 0.42282662
## C8.A130.02TCGA -0.3136668 -0.7958075 NA -3.4721805 -1.24186968
## C8.A138.03TCGA -1.0090870 -1.5393721 -3.397199 6.0345631 3.65376548
## NP_001025031 NP_115811 NP_000411 NP_037474 NP_057423
## AO.A12D.01TCGA 2.7495836 2.82958935 NA 0.9399295 -0.5306526
## C8.A131.01TCGA 2.7273315 -0.74170243 NA 1.9379947 -1.2679270
## AO.A12B.01TCGA -3.8608804 -1.60212917 NA -2.5111726 3.4280959
## BH.A18Q.02TCGA -7.5893629 -0.90863536 NA -3.1433504 -4.9030213
## C8.A130.02TCGA 0.5686179 0.04055904 NA -2.6194146 3.6385752
## C8.A138.03TCGA 4.4729646 -3.90188404 NA 2.0190243 -0.6324016
## NP_056297 NP_872381 NP_001186978 NP_742105 NP_001120838
## AO.A12D.01TCGA -3.292756 NA NA NA -3.8489868

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| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A131.01TCGA | -1.875109 | NA | NA | NA | -4.3483643 |
| ## | A0.A12B.01TCGA | -5.096958 | NA | NA | NA | -5.3075897 |
| ## | BH.A18Q.02TCGA | -6.953740 | -10.8644918 | -4.765861 | NA | -7.9439734 |
| ## | C8.A130.02TCGA | 1.457462 | -0.4055031 | -2.196312 | NA | 0.6046965 |
| ## | C8.A138.03TCGA | -2.585314 | NA | -1.466229 | 0.8999397 | 0.3403974 |
| ## | | NP_852124 | NP_002575 | NP_002407 | NP_000325 | NP_009206 |
| ## | A0.A12D.01TCGA | -3.8489868 | -3.8489868 | 7.7404192 | 2.8600677 | 0.4522753 |
| ## | C8.A131.01TCGA | -4.3483643 | -4.3483643 | -0.2842919 | 0.8167317 | -0.0697542 |
| ## | A0.A12B.01TCGA | -5.3075897 | -5.3075897 | -3.5366179 | -5.6013660 | -0.3050794 |
| ## | BH.A18Q.02TCGA | -7.9439734 | -9.0512948 | 4.3335780 | -10.0850178 | -0.3332297 |
| ## | C8.A130.02TCGA | 0.6046965 | 1.2344313 | -1.5632968 | -4.0592770 | -1.8912837 |
| ## | C8.A138.03TCGA | 0.2197118 | 0.2197118 | 0.5561686 | 6.0345631 | 2.0921671 |
| ## | | NP_005041 | NP_663783 | NP_004702 | NP_116190 | NP_001138776 |
| ## | A0.A12D.01TCGA | NA | 0.6999122 | 0.6999122 | NA | NA |
| ## | C8.A131.01TCGA | NA | 1.2296156 | 1.2296156 | NA | NA |
| ## | A0.A12B.01TCGA | NA | 0.1328135 | 0.1328135 | NA | NA |
| ## | BH.A18Q.02TCGA | 2.343076 | 0.6938026 | 0.6938026 | NA | -3.641812 |
| ## | C8.A130.02TCGA | -1.317307 | -1.2943476 | -1.2943476 | NA | -1.448501 |
| ## | C8.A138.03TCGA | NA | -1.2175439 | -1.2175439 | 1.422911 | NA |
| ## | | NP_001012991 | NP_859057 | NP_079195 | NP_653242 | NP_001265374 |
| ## | A0.A12D.01TCGA | -2.4660301 | -1.464053 | 4.643053 | NA | -0.53065263 |
| ## | C8.A131.01TCGA | -1.9884498 | -1.818439 | -1.798199 | NA | -0.11023301 |
| ## | A0.A12B.01TCGA | -1.8099897 | 0.504191 | -3.301043 | NA | -0.37159476 |
| ## | BH.A18Q.02TCGA | -0.7346755 | NA | -10.245596 | 0.16523222 | -0.35330197 |
| ## | C8.A130.02TCGA | -0.3005473 | NA | 1.250831 | 0.03727918 | 0.01104023 |
| ## | C8.A138.03TCGA | -0.3361734 | NA | 1.053540 | 0.23068322 | NA |
| ## | | NP_112566 | NP_001026915 | NP_115799 | XP_003960648 | NP_653226 |
| ## | A0.A12D.01TCGA | -2.48507909 | NA | 1.2599525 | 1.888569 | -8.192157 |
| ## | C8.A131.01TCGA | -0.07784996 | NA | -2.4337167 | 2.601847 | -4.170258 |
| ## | A0.A12B.01TCGA | -1.22243724 | NA | -3.8830522 | -3.381415 | -4.672922 |
| ## | BH.A18Q.02TCGA | -4.77255141 | NA | -4.8026598 | -3.648503 | NA |
| ## | C8.A130.02TCGA | -0.77940817 | NA | -0.2185506 | -1.664973 | NA |
| ## | C8.A138.03TCGA | 0.88896827 | 2.234795 | 0.1209690 | -2.519485 | NA |
| ## | | NP_996662 | NP_872299 | NP_066307 | NP_714925 | NP_000762 |
| ## | A0.A12D.01TCGA | 0.7494395 | -5.018595 | 2.7876816 | NA | NA |
| ## | C8.A131.01TCGA | 1.2700944 | 1.334860 | 0.7641093 | NA | NA |
| ## | A0.A12B.01TCGA | 0.3767032 | -4.354203 | 0.0136401 | NA | NA |
| ## | BH.A18Q.02TCGA | 0.1016700 | 2.262787 | 0.4796981 | NA | -5.3412663 |
| ## | C8.A130.02TCGA | 0.9786015 | 0.417744 | -1.3993034 | NA | -0.2480694 |
| ## | C8.A138.03TCGA | -0.1204021 | -2.804742 | NA | 0.8377683 | -2.5267997 |
| ## | | NP_003276 | NP_001073895 | NP_037451 | NP_997329 | NP_057263 |
| ## | A0.A12D.01TCGA | 1.225664 | 0.0255779 | 1.1380390 | 2.0866787 | NA |
| ## | C8.A131.01TCGA | 5.840152 | 1.6910740 | -0.9886232 | 0.3917042 | NA |
| ## | A0.A12B.01TCGA | -1.053377 | -2.8631498 | -1.4746414 | 0.3517599 | NA |
| ## | BH.A18Q.02TCGA | NA | -1.3937157 | -2.3371134 | 5.7386384 | -3.3942541 |
| ## | C8.A130.02TCGA | NA | -2.7571691 | -1.8060071 | 0.6506147 | -0.6383738 |
| ## | C8.A138.03TCGA | 1.543596 | NA | NA | 2.0409671 | -0.9140013 |
| ## | | NP_001254637 | NP_004882 | XP_003846609 | NP_001106873 | NP_037487 |
| ## | A0.A12D.01TCGA | 0.6046672 | -0.9535402 | 0.6046672 | 1.2294741 | 1.7285577 |
| ## | C8.A131.01TCGA | 0.2743157 | -3.2351971 | 3.3102264 | 1.7356007 | 1.4077223 |
| ## | A0.A12B.01TCGA | -1.4413837 | 2.3416782 | -1.9042198 | -0.5184829 | -2.3171694 |
| ## | BH.A18Q.02TCGA | -0.8852177 | 1.2023006 | -2.7352139 | NA | 2.9720076 |
| ## | C8.A130.02TCGA | 1.6312954 | -0.2119909 | 0.3226278 | NA | 2.2315114 |
| ## | C8.A138.03TCGA | -1.2248582 | -1.3674866 | 1.3314821 | NA | 0.4647401 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_660323 | NP_031374 | NP_689658 | NP_722576 | NP_055579 |
| ## | AO.A12D.01TCGA | -2.1802952 | NA | -0.2296786 | NA | -0.8811541 |
| ## | C8.A131.01TCGA | -1.1505384 | NA | -1.1302990 | NA | -1.3205494 |
| ## | AO.A12B.01TCGA | -2.0206217 | NA | -3.0155808 | NA | 0.3129593 |
| ## | BH.A18Q.02TCGA | -0.8383823 | 0.06821614 | -6.3549170 | -0.09570757 | -0.5372980 |
| ## | C8.A130.02TCGA | -1.2156307 | -1.18611191 | 1.5722578 | -1.06147689 | -0.1332740 |
| ## | C8.A138.03TCGA | -0.3434876 | 0.02588342 | 0.9182254 | 1.65331035 | 0.8743397 |
| ## | | NP_002891 | NP_001229243 | NP_037471 | NP_612641 | NP_060534 |
| ## | AO.A12D.01TCGA | NA | 1.0351744 | NA | -0.02013968 | NA |
| ## | C8.A131.01TCGA | NA | 0.7074389 | NA | -2.61587130 | NA |
| ## | AO.A12B.01TCGA | NA | -1.5245279 | NA | -1.20303693 | NA |
| ## | BH.A18Q.02TCGA | -11.961777 | 0.3358467 | -3.3106195 | -10.56675279 | -0.2328682 |
| ## | C8.A130.02TCGA | 2.841567 | 1.0441989 | -0.8286062 | 1.86744600 | -0.6088550 |
| ## | C8.A138.03TCGA | 5.273878 | NA | 1.4448534 | 0.98405389 | 1.1010823 |
| ## | | NP_057560 | NP_001258468 | NP_976046 | NP_001073929 | NP_001167561 |
| ## | AO.A12D.01TCGA | -0.4696959 | NA | NA | -0.6716152 | 2.962932 |
| ## | C8.A131.01TCGA | 0.7519656 | NA | NA | 0.3350339 | -0.381441 |
| ## | AO.A12B.01TCGA | 0.7397663 | NA | NA | -0.2468784 | -1.327753 |
| ## | BH.A18Q.02TCGA | 1.1822283 | -3.337383 | 1.4063689 | NA | -12.754633 |
| ## | C8.A130.02TCGA | 1.2377112 | 0.867086 | -0.1463935 | NA | -1.776488 |
| ## | C8.A138.03TCGA | -1.3418866 | -2.398800 | NA | NA | 2.563938 |
| ## | | NP_115827 | NP_002607 | NP_006508 | NP_000092 | NP_001258745 |
| ## | AO.A12D.01TCGA | NA | NA | 4.63543368 | 1.8542810 | 5.797422 |
| ## | C8.A131.01TCGA | NA | NA | 2.20515488 | 3.1361675 | 1.541302 |
| ## | AO.A12B.01TCGA | NA | NA | -1.64092980 | -3.8497945 | 2.264077 |
| ## | BH.A18Q.02TCGA | NA | NA | -2.79877611 | -0.1693060 | -5.060254 |
| ## | C8.A130.02TCGA | NA | NA | 0.01104023 | 0.9228438 | -3.072037 |
| ## | C8.A138.03TCGA | 1.009654 | NA | NA | 0.5305686 | 3.017423 |
| ## | | NP_001035197 | NP_001073862 | XP_003959997 | XP_003403509 | NP_775933 |
| ## | AO.A12D.01TCGA | NA | 2.1171571 | -1.3269005 | -1.5669177 | NA |
| ## | C8.A131.01TCGA | NA | 4.8767563 | -0.1183288 | -0.1183288 | NA |
| ## | AO.A12B.01TCGA | NA | -2.3476556 | 2.7352275 | 2.7352275 | NA |
| ## | BH.A18Q.02TCGA | NA | -1.8419969 | -4.1034750 | -7.4287846 | -4.391178 |
| ## | C8.A130.02TCGA | NA | 0.2111122 | -1.0286782 | -2.0421577 | 1.585377 |
| ## | C8.A138.03TCGA | 3.064966 | 7.0256478 | NA | NA | 3.917079 |
| ## | | NP_001020118 | NP_071768 | YP_003024026 | NP_001297 | NP_689810 |
| ## | AO.A12D.01TCGA | 1.6561715 | 3.5305922 | NA | 1.38567584 | 17.6230356 |
| ## | C8.A131.01TCGA | -0.1749991 | -0.5109732 | NA | 0.02334706 | 2.5411290 |
| ## | AO.A12B.01TCGA | -2.4058566 | -1.3776398 | NA | -3.07378179 | -3.1042680 |
| ## | BH.A18Q.02TCGA | 0.6436218 | -1.1595390 | -0.00872764 | 0.20872218 | NA |
| ## | C8.A130.02TCGA | -0.1463935 | 0.1258356 | -1.40586313 | -1.05163729 | NA |
| ## | C8.A138.03TCGA | 2.7614235 | 1.6459961 | 1.51433906 | 2.77239494 | -0.2520592 |
| ## | | NP_115513 | NP_000093 | NP_057687 | NP_114147 | NP_115981 |
| ## | AO.A12D.01TCGA | 0.3836989 | -5.7729349 | 2.776252 | 1.6104539 | 2.3000274 |
| ## | C8.A131.01TCGA | 0.4362309 | -0.7700376 | -1.393411 | -0.2559567 | 0.9381682 |
| ## | AO.A12B.01TCGA | 1.0668002 | -4.2766015 | 0.551306 | -0.7097146 | -1.9457919 |
| ## | BH.A18Q.02TCGA | -7.6629613 | -0.7882016 | -1.744981 | -1.8955230 | -5.5386439 |
| ## | C8.A130.02TCGA | -1.1697126 | 0.4899011 | -1.386184 | 0.2996687 | -0.6646128 |
| ## | C8.A138.03TCGA | 0.4427973 | NA | NA | -2.4682855 | -0.2374306 |
| ## | | NP_955374 | NP_776252 | NP_071920 | NP_976328 | NP_056162 |
| ## | AO.A12D.01TCGA | -0.85067568 | -0.21824919 | -0.5839898 | 2.3647940 | NA |
| ## | C8.A131.01TCGA | 0.68315165 | 0.02334706 | -0.6162181 | 4.6946017 | NA |
| ## | AO.A12B.01TCGA | -0.53788320 | 0.52636277 | -2.1093089 | -3.3620151 | NA |
| ## | BH.A18Q.02TCGA | 0.07156152 | -1.15284824 | 0.1250876 | -0.9119807 | -10.476427 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A130.02TCGA | 0.15207459 | -0.68101211 | -0.6974115 | 0.3029486 | 1.690333 |
| ## | C8.A138.03TCGA | -0.59948737 | 0.48668296 | 0.1575404 | -5.0941114 | 2.143367 |
| ## | | NP_061963 | NP_055827 | NP_001158502 | NP_004097 | NP_077817 |
| ## | A0.A12D.01TCGA | NA | 4.9516469 | 4.9516469 | 2.47527812 | 3.2562867 |
| ## | C8.A131.01TCGA | NA | -0.8428995 | -0.8428995 | 2.87305524 | -0.3773931 |
| ## | A0.A12B.01TCGA | NA | -2.1619669 | -2.1619669 | -3.04329558 | -3.1486116 |
| ## | BH.A18Q.02TCGA | NA | -4.6253546 | -4.6253546 | 1.84795929 | -8.7970458 |
| ## | C8.A130.02TCGA | NA | -1.0483574 | -1.0483574 | -0.78596791 | 0.9261236 |
| ## | C8.A138.03TCGA | NA | 6.5648483 | 4.8935357 | -0.02897366 | 3.6062227 |
| ## | | NP_055213 | NP_005859 | NP_689829 | NP_001258781 | NP_039258 |
| ## | A0.A12D.01TCGA | 0.1360620 | 4.31541063 | 2.7533934 | NA | NA |
| ## | C8.A131.01TCGA | -0.1669033 | 1.15270584 | -0.6809842 | NA | NA |
| ## | A0.A12B.01TCGA | -1.7545602 | -0.04178937 | 0.5069625 | NA | NA |
| ## | BH.A18Q.02TCGA | 2.9853891 | -0.52726183 | NA | -0.3767196 | -0.7748201 |
| ## | C8.A130.02TCGA | -1.5895358 | -1.09755545 | NA | -0.2185506 | 0.1586343 |
| ## | C8.A138.03TCGA | NA | 0.31845456 | NA | 0.4793687 | NA |
| ## | | NP_006324 | NP_542403 | NP_001224 | NP_000833 | NP_001002860 |
| ## | A0.A12D.01TCGA | -1.0525950 | 1.0732724 | NA | -1.3078515 | 1.2028055 |
| ## | C8.A131.01TCGA | 0.2702678 | 0.3188424 | NA | -0.6081224 | 2.5006502 |
| ## | A0.A12B.01TCGA | -0.2302496 | -0.9452899 | NA | -2.3393412 | -0.6598280 |
| ## | BH.A18Q.02TCGA | -1.9691214 | 2.4400919 | NA | -3.0262621 | -4.8695675 |
| ## | C8.A130.02TCGA | -0.2972674 | 1.1852333 | NA | -1.7732084 | -0.3038272 |
| ## | C8.A138.03TCGA | 0.5854257 | NA | 2.512738 | 5.3982209 | -1.7076005 |
| ## | | NP_001191335 | NP_115501 | NP_056179 | NP_001154848 | NP_001012276 |
| ## | A0.A12D.01TCGA | -1.1630791 | NA | NA | -3.3613327 | NA |
| ## | C8.A131.01TCGA | -0.2519088 | NA | NA | -3.2918674 | NA |
| ## | A0.A12B.01TCGA | -2.1342521 | NA | NA | 0.5014195 | NA |
| ## | BH.A18Q.02TCGA | 2.2928951 | 0.4930796 | 0.09832458 | -13.9589700 | NA |
| ## | C8.A130.02TCGA | -5.7320102 | -1.4813001 | -0.71381079 | 0.2242317 | NA |
| ## | C8.A138.03TCGA | -1.3382295 | 1.2729679 | -0.22645918 | 2.5163952 | NA |
| ## | | NP_001074299 | NP_001035037 | NP_848605 | NP_064618 | NP_955387 |
| ## | A0.A12D.01TCGA | NA | NA | 1.0199352 | -3.6394479 | -2.90034709 |
| ## | C8.A131.01TCGA | NA | NA | 2.5937515 | -0.8307558 | 1.04341306 |
| ## | A0.A12B.01TCGA | NA | NA | -2.3060835 | -5.2161311 | -8.89387693 |
| ## | BH.A18Q.02TCGA | NA | -3.63512158 | 4.4506664 | NA | -7.10093719 |
| ## | C8.A130.02TCGA | NA | 0.03399931 | -0.4186226 | NA | 0.07335773 |
| ## | C8.A138.03TCGA | -5.225768 | NA | -0.6726302 | 0.6037114 | -1.64908631 |
| ## | | NP_003208 | NP_001335 | NP_005945 | NP_055959 | NP_055916 |
| ## | A0.A12D.01TCGA | -2.8660589 | 3.6906037 | NA | NA | NA |
| ## | C8.A131.01TCGA | 0.8167317 | 1.0596046 | NA | NA | NA |
| ## | A0.A12B.01TCGA | -2.6719181 | -1.0561488 | NA | NA | NA |
| ## | BH.A18Q.02TCGA | -1.0558322 | -2.0527560 | -9.633391 | -10.2389054 | -1.5576394 |
| ## | C8.A130.02TCGA | -0.7138108 | -3.4820201 | -2.124154 | 1.7198519 | 0.6735737 |
| ## | C8.A138.03TCGA | 3.2551373 | 0.6402828 | 3.507480 | 0.2197118 | -0.7713729 |
| ## | | NP_000432 | NP_775859 | NP_694962 | NP_001034450 | NP_001038945 |
| ## | A0.A12D.01TCGA | 0.4065577 | NA | NA | 1.5875951 | 1.9800044 |
| ## | C8.A131.01TCGA | 0.5576673 | NA | NA | 1.1203228 | 0.8693542 |
| ## | A0.A12B.01TCGA | -0.7512867 | NA | NA | 0.8035102 | -0.7623726 |
| ## | BH.A18Q.02TCGA | 1.8646862 | 0.97146924 | -7.46892919 | -1.5007679 | -2.4542018 |
| ## | C8.A130.02TCGA | 1.5689779 | -0.02503833 | -0.61869460 | 1.1753937 | -0.4874998 |
| ## | C8.A138.03TCGA | 0.1721690 | 0.12096904 | 0.04782626 | 3.0247375 | -2.3293142 |
| ## | | NP_001035100 | NP_036396 | NP_004254 | NP_060385 | NP_001191015 |
| ## | A0.A12D.01TCGA | NA | 2.4486095 | 2.0904885 | 0.3075030 | 0.3875087 |
| ## | C8.A131.01TCGA | NA | -0.8793304 | -0.5433563 | 3.8202594 | -0.6850321 |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | A0.A12B.01TCGA | NA | -4.5038623 | 2.2031045 | -1.7129881 | 2.3056490 |
| ## | BH.A18Q.02TCGA | NA | NA | -1.2431735 | NA | -1.4070973 |
| ## | C8.A130.02TCGA | NA | NA | -0.5104589 | NA | 0.4866212 |
| ## | C8.A138.03TCGA | -0.6506873 | 1.1303395 | -1.3016581 | -0.9688584 | -0.4166304 |
| ## | | NP_001191017 | NP_005636 | NP_001012338 | NP_054760 | NP_852607 |
| ## | A0.A12D.01TCGA | 0.3875087 | -1.1021224 | NA | 4.6468631 | NA |
| ## | C8.A131.01TCGA | -0.6850321 | -5.7205960 | NA | 0.2945551 | NA |
| ## | A0.A12B.01TCGA | 2.3056490 | 1.5213219 | NA | -1.8820480 | NA |
| ## | BH.A18Q.02TCGA | -1.4070973 | -0.7514024 | -4.886294 | -0.1358522 | 0.35926436 |
| ## | C8.A130.02TCGA | 0.4866212 | 1.2475508 | -1.579696 | -2.3701446 | -0.00535912 |
| ## | C8.A138.03TCGA | -0.4166304 | -0.5665731 | 2.893081 | 1.7666817 | NA |
| ## | | NP_061909 | NP_002509 | NP_071742 | NP_001940 | NP_001071643 |
| ## | A0.A12D.01TCGA | -2.9346353 | -0.90782265 | -0.6220878 | NA | 3.56488039 |
| ## | C8.A131.01TCGA | -4.4414656 | 0.85721053 | 0.8491148 | NA | -0.74170243 |
| ## | A0.A12B.01TCGA | -3.9966826 | 0.02195453 | 0.3988750 | NA | -1.18917956 |
| ## | BH.A18Q.02TCGA | -8.8438811 | 2.26278664 | -0.5071895 | 0.7038387 | 0.02472618 |
| ## | C8.A130.02TCGA | -1.7896078 | -0.58589591 | -0.3858239 | 1.3557865 | -4.07567638 |
| ## | C8.A138.03TCGA | 0.8779968 | -2.78279946 | -2.1172001 | -7.7272516 | NA |
| ## | | NP_001010868 | XP_003960127 | NP_848611 | NP_060321 | NP_982278 |
| ## | A0.A12D.01TCGA | NA | 0.3608401 | NA | NA | NA |
| ## | C8.A131.01TCGA | NA | 3.2211730 | NA | NA | NA |
| ## | A0.A12B.01TCGA | NA | -2.7467479 | NA | NA | NA |
| ## | BH.A18Q.02TCGA | -7.6696521 | -0.3432658 | -2.340459 | NA | NA |
| ## | C8.A130.02TCGA | -1.2320301 | 2.2807095 | -1.143474 | NA | NA |
| ## | C8.A138.03TCGA | -0.1240593 | -3.9713697 | NA | NA | 3.734223 |
| ## | | NP_005672 | NP_068368 | NP_001380 | NP_000483 | NP_001094827 |
| ## | A0.A12D.01TCGA | NA | NA | -0.919252 | NA | -3.4337188 |
| ## | C8.A131.01TCGA | NA | NA | -1.729385 | NA | 0.2419326 |
| ## | A0.A12B.01TCGA | NA | NA | 2.807286 | NA | -1.7490173 |
| ## | BH.A18Q.02TCGA | -2.802121 | NA | NA | NA | 1.3996781 |
| ## | C8.A130.02TCGA | -1.425542 | NA | NA | NA | 1.5230598 |
| ## | C8.A138.03TCGA | NA | -1.575944 | -3.744627 | 2.238453 | 0.4208545 |
| ## | | NP_079533 | NP_001010971 | NP_004853 | NP_001026896 | NP_001243210 |
| ## | A0.A12D.01TCGA | NA | NA | 1.2370937 | 0.09796406 | NA |
| ## | C8.A131.01TCGA | NA | NA | 0.2055017 | -0.06975420 | NA |
| ## | A0.A12B.01TCGA | NA | NA | -0.4103954 | -3.25947054 | NA |
| ## | BH.A18Q.02TCGA | NA | -0.8818723 | 2.6575417 | -0.19941441 | -2.6047440 |
| ## | C8.A130.02TCGA | NA | 1.7100123 | -3.2163507 | 0.01104023 | 2.9235638 |
| ## | C8.A138.03TCGA | 4.769193 | -1.1151440 | 3.6135369 | -0.47514464 | 0.3111403 |
| ## | | NP_001106795 | NP_075462 | NP_620590 | NP_002967 | NP_000390 |
| ## | A0.A12D.01TCGA | -1.09831256 | NA | -0.12300423 | -0.1268140 | NA |
| ## | C8.A131.01TCGA | -1.54318285 | NA | 0.03144283 | -0.9724316 | NA |
| ## | A0.A12B.01TCGA | -0.01961758 | NA | -2.58600239 | 5.4595863 | NA |
| ## | BH.A18Q.02TCGA | -5.90663586 | NA | 2.98873451 | NA | -14.8588777 |
| ## | C8.A130.02TCGA | 0.54237898 | NA | 0.41774396 | NA | 0.5784575 |
| ## | C8.A138.03TCGA | -1.93434317 | NA | -3.00954208 | 5.0617641 | 0.7170827 |
| ## | | NP_003073 | NP_065180 | NP_079490 | NP_277045 | NP_001138466 |
| ## | A0.A12D.01TCGA | -1.5326296 | NA | 3.252477 | NA | -2.6679494 |
| ## | C8.A131.01TCGA | 0.7398220 | NA | 1.152706 | NA | 0.5819546 |
| ## | A0.A12B.01TCGA | 0.2547583 | NA | 0.767481 | NA | -0.7512867 |
| ## | BH.A18Q.02TCGA | 0.4629712 | -4.458086 | NA | -1.711527 | -0.8450731 |
| ## | C8.A130.02TCGA | -1.2812281 | 1.300029 | NA | -1.530498 | 1.0507587 |
| ## | C8.A138.03TCGA | NA | 1.605768 | NA | NA | -1.0932012 |
| ## | | NP_001171915 | NP_940907 | NP_004728 | NP_689525 | NP_055209 |

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|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | A0.A12D.01TCGA | -0.1992002 | -0.4696959 | 1.431393 | 0.92469026 | -0.3973097 |
| ## | C8.A131.01TCGA | 1.0515088 | -0.1952385 | 1.278190 | -0.03332327 | -0.5271647 |
| ## | A0.A12B.01TCGA | -3.0377526 | -1.4635555 | -1.757332 | 0.39610350 | -3.7167637 |
| ## | BH.A18Q.02TCGA | 2.1456983 | -1.6646917 | -4.739098 | -0.32988430 | -0.5607156 |
| ## | C8.A130.02TCGA | -0.2119909 | -0.8876438 | -1.451781 | -2.95724110 | -0.1759123 |
| ## | C8.A138.03TCGA | 0.3623402 | 4.5826788 | 3.858565 | NA | 2.5346809 |
| ## | | NP_660156 | NP_001135389 | NP_001070731 | NP_001139113 | NP_683696 |
| ## | A0.A12D.01TCGA | 0.0255779 | NA | NA | 1.7476067 | NA |
| ## | C8.A131.01TCGA | -0.4543029 | NA | NA | 1.8206062 | NA |
| ## | A0.A12B.01TCGA | -0.2635073 | NA | NA | -1.1309786 | NA |
| ## | BH.A18Q.02TCGA | -3.7722822 | -11.9216325 | -7.3819493 | -0.7079124 | -1.8118885 |
| ## | C8.A130.02TCGA | -2.6128549 | 0.4997407 | 0.6309354 | -0.3595850 | 0.8900451 |
| ## | C8.A138.03TCGA | 2.9406233 | NA | 2.4542238 | 0.2782260 | 3.8402796 |
| ## | | NP_705691 | NP_872426 | NP_004846 | NP_060888 | NP_998821 |
| ## | A0.A12D.01TCGA | 2.429561 | -2.0774307 | -3.8642260 | 1.80856344 | -2.881298 |
| ## | C8.A131.01TCGA | 0.160975 | 1.0069821 | -1.1505384 | 1.22961558 | 1.079844 |
| ## | A0.A12B.01TCGA | -2.153652 | -0.9619187 | 0.7591666 | 0.02749747 | -1.308353 |
| ## | BH.A18Q.02TCGA | -1.872105 | 1.4565496 | -1.5877479 | 1.29597129 | NA |
| ## | C8.A130.02TCGA | 2.188873 | 0.7555705 | 0.4243037 | 1.80840836 | NA |
| ## | C8.A138.03TCGA | 1.049882 | -1.5137722 | -0.4276018 | 1.33513924 | NA |
| ## | | NP_001244953 | XP_003118768 | NP_940912 | NP_061157 | NP_005718 |
| ## | A0.A12D.01TCGA | 4.113491 | -2.9308255 | NA | -0.6068486 | -5.6434018 |
| ## | C8.A131.01TCGA | -1.579614 | -2.7980259 | NA | 0.2905072 | -0.7821812 |
| ## | A0.A12B.01TCGA | -4.359746 | 3.9047894 | NA | -0.9175751 | -2.9407510 |
| ## | BH.A18Q.02TCGA | -5.157270 | -4.1034750 | NA | NA | -1.1495029 |
| ## | C8.A130.02TCGA | 1.680493 | -0.5170187 | NA | NA | -3.2786682 |
| ## | C8.A138.03TCGA | 4.184051 | -0.1935449 | NA | NA | 6.3344485 |
| ## | | NP_001265486 | NP_064584 | NP_003264 | NP_001254747 | NP_001078940 |
| ## | A0.A12D.01TCGA | 1.4733012 | 1.9342868 | 3.82013687 | 0.9970764 | 0.1398718 |
| ## | C8.A131.01TCGA | 0.2500284 | -0.4502550 | -0.04141903 | -0.6324096 | -0.4462071 |
| ## | A0.A12B.01TCGA | 0.5097339 | -0.4879967 | -3.68627752 | -0.9619187 | -2.2284823 |
| ## | BH.A18Q.02TCGA | NA | -0.4001373 | NA | 2.4635096 | -2.9794267 |
| ## | C8.A130.02TCGA | NA | -1.6846520 | NA | -1.2189106 | 0.4899011 |
| ## | C8.A138.03TCGA | NA | 2.8638234 | 3.88416524 | 1.6862246 | 0.3147974 |
| ## | | NP_002149 | NP_940684 | NP_006064 | NP_060019 | NP_001027549 |
| ## | A0.A12D.01TCGA | 0.1398718 | 4.4792320 | 2.2847882 | NA | 3.7172723 |
| ## | C8.A131.01TCGA | -0.4462071 | 0.9624554 | 1.2174719 | NA | 1.2174719 |
| ## | A0.A12B.01TCGA | -2.2284823 | -6.6739264 | -0.6237989 | NA | 1.2608033 |
| ## | BH.A18Q.02TCGA | -2.9794267 | -8.5260699 | -0.8751815 | 0.1551961 | -7.8871019 |
| ## | C8.A130.02TCGA | 0.4899011 | -0.3202265 | 0.8998847 | -0.5465375 | -1.3402657 |
| ## | C8.A138.03TCGA | 2.5639380 | 4.4144504 | -0.9213156 | -0.0509165 | 0.4537687 |
| ## | | NP_060768 | NP_000060 | NP_001185521 | NP_003467 | NP_057359 |
| ## | A0.A12D.01TCGA | -0.1915806 | 0.08653467 | NA | 2.098108099 | 1.8923790 |
| ## | C8.A131.01TCGA | -0.2883398 | 1.61416427 | NA | -0.000940222 | -0.1588076 |
| ## | A0.A12B.01TCGA | -1.3194388 | -3.31490002 | NA | -2.630345973 | -1.8377044 |
| ## | BH.A18Q.02TCGA | 0.4395535 | -3.62843081 | -5.495154 | -1.744980826 | -0.3901012 |
| ## | C8.A130.02TCGA | 0.3291875 | 0.30950829 | 1.739531 | -2.212710867 | -1.4911397 |
| ## | C8.A138.03TCGA | 0.1575404 | 2.50542378 | 1.675253 | 2.615137953 | NA |
| ## | | NP_114113 | NP_001258074 | NP_060399 | NP_001238774 | NP_277040 |
| ## | A0.A12D.01TCGA | 1.652362 | -2.1650560 | NA | NA | -0.13062383 |
| ## | C8.A131.01TCGA | 1.950138 | 2.1444367 | NA | NA | -3.43354325 |
| ## | A0.A12B.01TCGA | 1.185974 | -2.7689197 | NA | NA | 0.88942585 |
| ## | BH.A18Q.02TCGA | NA | 3.3199273 | -0.8852177 | NA | -0.93539842 |
| ## | C8.A130.02TCGA | NA | -0.2119909 | -0.6022953 | NA | -1.11723467 |

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|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A138.03TCGA | NA | -3.6495414 | 2.9918233 | -0.9615442 | 0.01856914 |
| ## | | NP_631902 | NP_001092874 | NP_001186728 | NP_005537 | NP_054858 |
| ## | A0.A12D.01TCGA | -1.6469235 | 2.8600677 | -1.2888025 | 0.6961024 | 2.8600677 |
| ## | C8.A131.01TCGA | -1.1626820 | 0.6912474 | 4.7269847 | 0.9300724 | 0.6912474 |
| ## | A0.A12B.01TCGA | 1.2829751 | -5.7205393 | -1.2085799 | -0.4824537 | -5.6013660 |
| ## | BH.A18Q.02TCGA | -1.5108041 | -10.0850178 | -3.5983224 | NA | -9.8842949 |
| ## | C8.A130.02TCGA | 0.6440549 | -4.0592770 | 2.6054165 | NA | -3.7673687 |
| ## | C8.A138.03TCGA | NA | 6.0345631 | -0.8737728 | -0.4568589 | 6.0345631 |
| ## | | NP_064562 | NP_005439 | NP_001177658 | NP_079534 | NP_003629 |
| ## | A0.A12D.01TCGA | NA | -3.098457 | 1.4161542 | NA | -0.1877708 |
| ## | C8.A131.01TCGA | NA | -1.514848 | -0.1749991 | NA | 2.0877663 |
| ## | A0.A12B.01TCGA | NA | -5.113587 | -0.1969919 | NA | -1.6935878 |
| ## | BH.A18Q.02TCGA | -0.6978763 | 1.152120 | -1.5375672 | NA | NA |
| ## | C8.A130.02TCGA | -1.3238664 | 2.247911 | -1.6124949 | NA | NA |
| ## | C8.A138.03TCGA | 0.2635975 | -1.733201 | -5.3976540 | NA | 1.2473679 |
| ## | | NP_001012520 | NP_004869 | NP_001091999 | NP_001107047 | NP_001230678 |
| ## | A0.A12D.01TCGA | NA | 1.534258 | NA | NA | -0.21062959 |
| ## | C8.A131.01TCGA | NA | -7.465233 | NA | NA | 0.58195463 |
| ## | A0.A12B.01TCGA | NA | -8.952078 | NA | NA | -0.05010379 |
| ## | BH.A18Q.02TCGA | -8.890716 | -21.793854 | NA | 3.360072 | NA |
| ## | C8.A130.02TCGA | 1.464022 | -11.088036 | NA | 1.962562 | NA |
| ## | C8.A138.03TCGA | NA | -2.596285 | NA | 2.223824 | -0.45320181 |
| ## | | NP_076938 | NP_005972 | NP_057617 | NP_001128627 | NP_004638 |
| ## | A0.A12D.01TCGA | -0.21062959 | 0.8865923 | NA | -0.86210507 | -0.86210507 |
| ## | C8.A131.01TCGA | 0.58195463 | -2.0775031 | NA | 0.52933218 | 0.52933218 |
| ## | A0.A12B.01TCGA | -0.05010379 | -2.0012214 | NA | -1.26955230 | -1.26955230 |
| ## | BH.A18Q.02TCGA | NA | -0.5172257 | -2.1999528 | 1.07183070 | 1.07183070 |
| ## | C8.A130.02TCGA | NA | -3.7345700 | 0.8736457 | 1.83464731 | 1.83464731 |
| ## | C8.A138.03TCGA | -0.07651647 | 3.0759375 | 1.8617673 | 0.02588342 | 0.02588342 |
| ## | | NP_060835 | NP_201575 | NP_006505 | NP_073623 | NP_077272 |
| ## | A0.A12D.01TCGA | 5.6564596 | NA | 3.1000850 | 3.5115432 | NA |
| ## | C8.A131.01TCGA | -0.9400486 | NA | 0.7074389 | 0.7600614 | NA |
| ## | A0.A12B.01TCGA | 8.1590018 | NA | -5.7482541 | -1.3360677 | NA |
| ## | BH.A18Q.02TCGA | -8.1580779 | NA | -9.8842949 | -2.1029367 | -1.8219246 |
| ## | C8.A130.02TCGA | -4.2659088 | NA | -3.7673687 | -2.4357420 | 1.0212398 |
| ## | C8.A138.03TCGA | -1.0858869 | NA | 6.0565059 | 5.5042779 | -0.2666877 |
| ## | | NP_001501 | NP_001838 | NP_001035948 | NP_001012301 | NP_060251 |
| ## | A0.A12D.01TCGA | NA | NA | NA | 0.5818084 | 2.6276700 |
| ## | C8.A131.01TCGA | NA | NA | NA | 4.5934046 | -2.5834883 |
| ## | A0.A12B.01TCGA | NA | NA | NA | -2.3753704 | -1.0783206 |
| ## | BH.A18Q.02TCGA | -14.3838335 | -9.359070 | -8.9375518 | -3.8525714 | 0.4897343 |
| ## | C8.A130.02TCGA | -0.3563051 | 1.198353 | -0.6777322 | 0.9982808 | 2.9826014 |
| ## | C8.A138.03TCGA | NA | 2.165310 | 0.1794833 | 0.1794833 | 1.5472533 |
| ## | | NP_783866 | NP_071445 | NP_001123552 | NP_036603 | NP_002356 |
| ## | A0.A12D.01TCGA | NA | NA | -1.3116613 | NA | NA |
| ## | C8.A131.01TCGA | NA | NA | -2.0694074 | NA | NA |
| ## | A0.A12B.01TCGA | NA | NA | -0.1083047 | NA | NA |
| ## | BH.A18Q.02TCGA | -4.4179409 | -4.073367 | NA | NA | 11.7904342 |
| ## | C8.A130.02TCGA | -2.4587010 | -2.183192 | NA | NA | -0.1168747 |
| ## | C8.A138.03TCGA | -0.9761727 | -3.985998 | 0.9913682 | NA | NA |
| ## | | NP_004139 | NP_775970 | NP_060352 | NP_001071062 | NP_008817 |
| ## | A0.A12D.01TCGA | -1.82598401 | NA | NA | 0.5703790 | 0.09796406 |
| ## | C8.A131.01TCGA | 0.94626392 | NA | NA | -1.4946083 | -2.30013659 |
| ## | A0.A12B.01TCGA | -0.78731584 | NA | NA | -3.3149000 | -0.29953644 |

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|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | BH.A18Q.02TCGA | 0.06152538 | 11.7904342 | -0.353302 | -5.9233628 | 0.16188683 |
| ## | C8.A130.02TCGA | -4.09535560 | -0.1168747 | -1.389464 | 0.9490827 | 1.73625125 |
| ## | C8.A138.03TCGA | 1.15228229 | 0.8560540 | 2.271367 | 2.3006240 | -0.99080126 |
| ## | | NP_006799 | NP_001229434 | NP_113623 | NP_001092690 | NP_006111 |
| ## | AO.A12D.01TCGA | 3.3743905 | NA | NA | -3.3156151 | NA |
| ## | C8.A131.01TCGA | 1.5817812 | NA | NA | 0.5293322 | NA |
| ## | AO.A12B.01TCGA | -1.6520157 | NA | NA | -1.0339770 | NA |
| ## | BH.A18Q.02TCGA | 1.0718307 | -1.82861537 | 2.7545578 | -6.1307764 | 3.3232727 |
| ## | C8.A130.02TCGA | 0.5128602 | -0.06111689 | 0.9950009 | -0.8581250 | -0.4415817 |
| ## | C8.A138.03TCGA | -0.3398305 | -1.69297198 | NA | 0.6475971 | 1.0681681 |
| ## | | YP_003024028 | NP_003027 | NP_922932 | NP_004935 | NP_001159694 |
| ## | AO.A12D.01TCGA | 4.0334856 | -0.1420532 | 1.8352320 | NA | -0.61065840 |
| ## | C8.A131.01TCGA | -0.9764795 | 0.5940983 | 0.8612584 | NA | 4.84842113 |
| ## | AO.A12B.01TCGA | -2.2506541 | -0.1831345 | -4.5121767 | NA | -1.89867687 |
| ## | BH.A18Q.02TCGA | 2.2460597 | 0.3391921 | 3.4470518 | -10.5600620 | -8.66992128 |
| ## | C8.A130.02TCGA | -2.5505374 | 0.2504707 | -3.0785962 | -1.0253983 | 2.44470292 |
| ## | C8.A138.03TCGA | 3.9682794 | -6.7434812 | NA | -0.5994874 | 0.09171193 |
| ## | | NP_003939 | NP_001034976 | NP_001197 | NP_848658 | NP_001137236 |
| ## | AO.A12D.01TCGA | NA | NA | -1.6888313 | NA | 1.5990245 |
| ## | C8.A131.01TCGA | NA | NA | -0.6931279 | NA | 0.6629123 |
| ## | AO.A12B.01TCGA | NA | NA | 1.3411761 | NA | -0.6847713 |
| ## | BH.A18Q.02TCGA | 3.360072 | -0.2127959 | -1.7550170 | -0.9889245 | -6.3281540 |
| ## | C8.A130.02TCGA | 1.962562 | -0.6318141 | -3.1638728 | 0.1455148 | 2.3266276 |
| ## | C8.A138.03TCGA | NA | 1.2729679 | 0.7170827 | -0.6397159 | 0.5634829 |
| ## | | NP_000705 | NP_001017437 | NP_056968 | NP_699164 | NP_071881 |
| ## | AO.A12D.01TCGA | -0.1725316 | -0.10776504 | NA | 0.7075318 | -1.8259840 |
| ## | C8.A131.01TCGA | 1.7234571 | 0.67100801 | NA | -1.2881664 | 0.6952953 |
| ## | AO.A12B.01TCGA | -3.0931821 | -2.17028131 | NA | -1.7434743 | -2.7910915 |
| ## | BH.A18Q.02TCGA | 3.8719153 | -3.44778019 | NA | -6.8868327 | NA |
| ## | C8.A130.02TCGA | 0.7096523 | 0.07335773 | NA | 0.6899731 | NA |
| ## | C8.A138.03TCGA | 0.6914828 | 0.77193981 | NA | -0.6836016 | NA |
| ## | | NP_000021 | NP_001193602 | NP_060271 | NP_001123482 | NP_001264282 |
| ## | AO.A12D.01TCGA | NA | 2.25050003 | NA | 1.5304482 | NA |
| ## | C8.A131.01TCGA | NA | 3.08354505 | NA | -0.4988296 | NA |
| ## | AO.A12B.01TCGA | NA | -0.77900142 | NA | 1.1305441 | NA |
| ## | BH.A18Q.02TCGA | NA | -3.13331430 | -3.297238 | -0.4235550 | -5.4984993 |
| ## | C8.A130.02TCGA | NA | 0.01759996 | -0.582616 | -0.8023673 | 0.9359632 |
| ## | C8.A138.03TCGA | NA | NA | 1.784967 | 0.1721690 | 0.2123975 |
| ## | | XP_003960973 | NP_689735 | NP_002402 | NP_001128504 | NP_114106 |
| ## | AO.A12D.01TCGA | NA | NA | 13.074137 | NA | NA |
| ## | C8.A131.01TCGA | NA | NA | -2.227275 | NA | NA |
| ## | AO.A12B.01TCGA | NA | NA | -2.328255 | NA | NA |
| ## | BH.A18Q.02TCGA | -0.7848562 | NA | -6.093977 | -20.596208 | -2.066137 |
| ## | C8.A130.02TCGA | 1.3951449 | NA | -5.226910 | -1.766649 | -7.506419 |
| ## | C8.A138.03TCGA | -0.7165158 | 1.455825 | NA | NA | -2.651142 |
| ## | | NP_073732 | NP_060135 | NP_001171925 | NP_004723 | NP_073599 |
| ## | AO.A12D.01TCGA | 3.1115144 | 0.292263769 | 2.3609842 | 1.15708795 | NA |
| ## | C8.A131.01TCGA | 0.6993432 | 0.096208921 | 0.9988864 | 1.12437068 | NA |
| ## | AO.A12B.01TCGA | -3.1569260 | 1.033542491 | -1.8931339 | -3.49781730 | NA |
| ## | BH.A18Q.02TCGA | 2.7813208 | -0.002036877 | -8.0309533 | 2.70437705 | -11.3930621 |
| ## | C8.A130.02TCGA | 0.5587783 | 0.043838913 | 3.0645981 | 0.01432009 | 0.6210958 |
| ## | C8.A138.03TCGA | 0.7573113 | 2.220166923 | 0.4574258 | -0.57023026 | 3.3026801 |
| ## | | NP_001298 | NP_940857 | NP_775924 | NP_008959 | NP_005942 |
| ## | AO.A12D.01TCGA | 0.4751341 | NA | NA | NA | 1.8923790 |

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|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A131.01TCGA | 1.7234571 | NA | NA | NA | 3.9821746 |
| ## | A0.A12B.01TCGA | -0.4685963 | NA | NA | NA | -3.5671041 |
| ## | BH.A18Q.02TCGA | -0.7346755 | NA | 0.10501534 | -13.1962229 | -8.4691984 |
| ## | C8.A130.02TCGA | -1.1139548 | NA | -0.60229525 | -0.3300661 | 0.9753217 |
| ## | C8.A138.03TCGA | 2.0958242 | NA | -0.08748789 | 2.6224522 | -0.7530872 |
| ## | | NP_115507 | NP_001129624 | NP_064610 | NP_542119 | NP_061927 |
| ## | A0.A12D.01TCGA | 1.214235 | NA | NA | -5.8224623 | NA |
| ## | C8.A131.01TCGA | 1.533207 | NA | NA | -0.4947817 | NA |
| ## | A0.A12B.01TCGA | -1.000719 | NA | NA | -2.4474287 | NA |
| ## | BH.A18Q.02TCGA | NA | -3.5815955 | -11.8279618 | 0.4863889 | 3.0556421 |
| ## | C8.A130.02TCGA | NA | -0.6941316 | -0.5662167 | 1.0507587 | 0.9523626 |
| ## | C8.A138.03TCGA | NA | 2.8674806 | 4.2023364 | -0.3288591 | 3.5659941 |
| ## | | NP_076947 | NP_001020775 | NP_002092 | NP_542786 | NP_001159432 |
| ## | A0.A12D.01TCGA | 1.4885404 | 1.271382 | NA | -0.04299847 | -7.395909 |
| ## | C8.A131.01TCGA | -0.3976326 | 1.865133 | NA | -1.42579431 | -6.683992 |
| ## | A0.A12B.01TCGA | -1.4912702 | -3.187412 | NA | -0.14987685 | -5.969972 |
| ## | BH.A18Q.02TCGA | NA | -1.453933 | NA | -0.44362728 | -7.920556 |
| ## | C8.A130.02TCGA | NA | -1.008999 | NA | 1.30002869 | 5.508100 |
| ## | C8.A138.03TCGA | NA | -1.619829 | -0.3727447 | 2.71022357 | -1.612515 |
| ## | | NP_115540 | NP_065785 | NP_997201 | NP_997297 | NP_660296 |
| ## | A0.A12D.01TCGA | -0.3134941 | NA | NA | NA | NA |
| ## | C8.A131.01TCGA | -0.2397652 | NA | NA | NA | NA |
| ## | A0.A12B.01TCGA | -0.5461976 | NA | NA | NA | NA |
| ## | BH.A18Q.02TCGA | -1.7784346 | 0.07825229 | -1.9958845 | NA | 1.0116138 |
| ## | C8.A130.02TCGA | 1.5919370 | 0.48990108 | 0.3423070 | NA | 0.5325394 |
| ## | C8.A138.03TCGA | NA | -0.29960196 | 0.4683973 | -0.8628014 | 0.2745689 |
| ## | | NP_001012418 | NP_997210 | NP_056963 | NP_004618 | NP_003250 |
| ## | A0.A12D.01TCGA | -5.018595 | NA | 3.3820101 | NA | NA |
| ## | C8.A131.01TCGA | 1.334860 | NA | 3.4114234 | NA | NA |
| ## | A0.A12B.01TCGA | -4.354203 | NA | -0.7651441 | NA | NA |
| ## | BH.A18Q.02TCGA | 2.262787 | -0.4068281 | NA | NA | -1.9791576 |
| ## | C8.A130.02TCGA | 0.417744 | 0.5817374 | NA | NA | 0.8703659 |
| ## | C8.A138.03TCGA | -1.601544 | NA | NA | NA | -1.3638295 |
| ## | | NP_004787 | NP_001258949 | NP_001128320 | XP_001132754 | NP_001131141 |
| ## | A0.A12D.01TCGA | 4.2125461 | 2.9324539 | -1.033546 | -2.930825 | -0.78971891 |
| ## | C8.A131.01TCGA | -0.9764795 | 0.2216932 | 4.297909 | -2.798026 | -3.00851575 |
| ## | A0.A12B.01TCGA | -2.7384335 | -3.8858236 | -1.258466 | 3.904789 | -4.52603410 |
| ## | BH.A18Q.02TCGA | NA | NA | 4.822004 | -5.495154 | -6.20772023 |
| ## | C8.A130.02TCGA | NA | NA | 1.956002 | -1.760089 | 0.07991747 |
| ## | C8.A138.03TCGA | NA | NA | 4.538793 | NA | NA |
| ## | | NP_001034463 | YP_003024031 | NP_001157903 | NP_689932 | NP_001153505 |
| ## | A0.A12D.01TCGA | NA | 0.1322522 | NA | NA | NA |
| ## | C8.A131.01TCGA | NA | -0.5312126 | NA | NA | NA |
| ## | A0.A12B.01TCGA | NA | -1.5799574 | NA | NA | NA |
| ## | BH.A18Q.02TCGA | 0.6871118 | -1.1863021 | -2.89244680 | NA | -7.579327 |
| ## | C8.A130.02TCGA | -1.9273623 | -3.5246584 | -0.03159807 | NA | 0.817888 |
| ## | C8.A138.03TCGA | -1.5649721 | 0.5963971 | NA | NA | 6.166220 |
| ## | | NP_689737 | NP_689482 | NP_689598 | NP_060656 | NP_001245344 |
| ## | A0.A12D.01TCGA | NA | -1.0754538 | NA | NA | NA |
| ## | C8.A131.01TCGA | NA | -0.9805274 | NA | NA | NA |
| ## | A0.A12B.01TCGA | NA | 0.6122785 | NA | NA | NA |
| ## | BH.A18Q.02TCGA | -7.579327 | 0.4863889 | -3.9060975 | -0.4770811 | -5.9668527 |
| ## | C8.A130.02TCGA | 0.817888 | 0.5095803 | 0.2373512 | -0.1070351 | -0.7531692 |
| ## | C8.A138.03TCGA | 6.166220 | -0.4276018 | 0.3403974 | 0.7061113 | 0.9072540 |

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|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_060363 | NP_008940 | NP_776155 | NP_002137 | NP_620129 |
| ## | AO.A12D.01TCGA | -0.4658861 | 0.9513589 | 3.2029496 | NA | NA |
| ## | C8.A131.01TCGA | -3.6035542 | 2.0999100 | -1.7658163 | NA | NA |
| ## | AO.A12B.01TCGA | -2.1730528 | -0.5794553 | 0.3877891 | NA | NA |
| ## | BH.A18Q.02TCGA | -0.7012217 | -3.9261698 | NA | -2.059447 | NA |
| ## | C8.A130.02TCGA | -2.4193426 | -2.2750284 | NA | 2.562778 | NA |
| ## | C8.A138.03TCGA | NA | 1.9897672 | 2.3737668 | NA | NA |
| ## | | NP_001158283 | NP_001167594 | NP_116174 | NP_001011552 | NP_998885 |
| ## | AO.A12D.01TCGA | -0.05061807 | NA | NA | NA | 1.5533070 |
| ## | C8.A131.01TCGA | 0.48885337 | NA | NA | NA | 1.4077223 |
| ## | AO.A12B.01TCGA | -3.11535390 | NA | NA | NA | -1.6104436 |
| ## | BH.A18Q.02TCGA | -1.65800090 | -3.056371 | NA | -6.652656 | 0.4495897 |
| ## | C8.A130.02TCGA | 1.60177663 | -2.452141 | NA | 2.129836 | 0.3521466 |
| ## | C8.A138.03TCGA | -0.60680165 | 5.584735 | NA | 1.905653 | -2.3512570 |
| ## | | NP_115881 | NP_695002 | NP_001159349 | NP_036321 | NP_057682 |
| ## | AO.A12D.01TCGA | 4.704010 | NA | 0.2198776 | -1.7307391 | NA |
| ## | C8.A131.01TCGA | 4.500303 | NA | -3.2635322 | -1.7901036 | NA |
| ## | AO.A12B.01TCGA | -1.979050 | NA | -3.4950458 | -4.3015447 | NA |
| ## | BH.A18Q.02TCGA | -6.947050 | -0.1358522 | -11.8747971 | -6.8667605 | -0.7279847 |
| ## | C8.A130.02TCGA | -1.914243 | 0.6998127 | -1.4321021 | 0.9818814 | -1.2320301 |
| ## | C8.A138.03TCGA | 3.774451 | 2.3810810 | 1.7666817 | 0.3586831 | 4.5131932 |
| ## | | NP_015564 | NP_899230 | NP_001034931 | NP_005932 | NP_001258635 |
| ## | AO.A12D.01TCGA | NA | NA | -2.8546295 | -1.7878860 | NA |
| ## | C8.A131.01TCGA | NA | NA | -1.1910172 | -2.5592010 | NA |
| ## | AO.A12B.01TCGA | NA | NA | 1.7347254 | -2.8548354 | NA |
| ## | BH.A18Q.02TCGA | 1.5234573 | -3.865953 | -0.1023983 | -6.1207403 | -10.9715440 |
| ## | C8.A130.02TCGA | -0.5202985 | 1.063878 | -0.7662887 | -0.5990154 | 1.3262676 |
| ## | C8.A138.03TCGA | -0.2886305 | 1.565539 | -2.0367431 | 2.0409671 | 0.6293114 |
| ## | | NP_060047 | NP_201591 | NP_001013716 | NP_000360 | NP_055507 |
| ## | AO.A12D.01TCGA | -0.40111950 | NA | -3.6089696 | -0.1572924 | 2.0828689 |
| ## | C8.A131.01TCGA | 0.64672073 | NA | -0.2478610 | 0.7155347 | 0.8450669 |
| ## | AO.A12B.01TCGA | -2.00953582 | NA | -2.9518369 | -0.7069431 | -1.5162135 |
| ## | BH.A18Q.02TCGA | -0.33992045 | -1.326808 | 0.1518507 | NA | -8.0008449 |
| ## | C8.A130.02TCGA | 0.01104023 | -0.933562 | -0.4678206 | NA | 0.1520746 |
| ## | C8.A138.03TCGA | -0.67628730 | 1.737425 | -4.9734258 | -1.4442865 | NA |
| ## | | XP_001716463 | NP_775966 | NP_001008777 | NP_064625 | NP_001070142 |
| ## | AO.A12D.01TCGA | -1.4831022 | NA | -0.3896901 | -0.08109645 | 0.8865923 |
| ## | C8.A131.01TCGA | 0.6507686 | NA | -0.4907338 | 0.64672073 | 1.0191258 |
| ## | AO.A12B.01TCGA | -1.0921780 | NA | -2.3171694 | -1.17809366 | -0.4325672 |
| ## | BH.A18Q.02TCGA | 1.1755375 | NA | 3.6109755 | 0.76740095 | 0.6570033 |
| ## | C8.A130.02TCGA | 1.1360352 | NA | 3.0219598 | -1.32714627 | 2.2610303 |
| ## | C8.A138.03TCGA | -0.6982301 | -0.1789164 | NA | 1.28393930 | 0.7573113 |
| ## | | NP_004824 | NP_037412 | NP_076869 | NP_001170787 | NP_002033 |
| ## | AO.A12D.01TCGA | -11.37714801 | 1.8161830 | 2.4067018 | 1.492350 | NA |
| ## | C8.A131.01TCGA | -6.89448144 | 1.1850889 | 0.6224334 | 3.609770 | NA |
| ## | AO.A12B.01TCGA | 3.03177516 | 0.8838829 | -2.6830040 | -3.032210 | NA |
| ## | BH.A18Q.02TCGA | -0.04887222 | -6.4452423 | 1.0116138 | NA | -8.040989 |
| ## | C8.A130.02TCGA | -2.17007257 | 0.7883691 | -1.8420857 | NA | -5.082596 |
| ## | C8.A138.03TCGA | -2.77914232 | 1.2290822 | 2.7358235 | 1.869082 | -2.215943 |
| ## | | NP_777550 | NP_149109 | NP_056219 | NP_954870 | NP_954863 |
| ## | AO.A12D.01TCGA | 4.8945000 | -5.018595 | NA | -0.2411080 | -0.2411080 |
| ## | C8.A131.01TCGA | 0.5131407 | 1.334860 | NA | 2.5856557 | 2.5856557 |
| ## | AO.A12B.01TCGA | 0.4099609 | -4.354203 | NA | -0.6016271 | -0.6016271 |
| ## | BH.A18Q.02TCGA | -0.3967919 | 3.062333 | -9.399215 | 2.3196581 | 2.3196581 |

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|----|----------------|--------------|--------------|--------------|--------------|--------------|-----------|
| ## | C8.A130.02TCGA | -0.5596570 | 1.178674 | -1.510819 | 0.9425230 | 0.9425230 | NA |
| ## | C8.A138.03TCGA | NA | -2.804742 | 4.410793 | -3.6897700 | -4.0627982 | -3.97137 |
| ## | | NP_060749 | NP_079497 | NP_114095 | NP_059112 | NP_062815 | |
| ## | A0.A12D.01TCGA | 1.3971052 | NA | NA | NA | -0.7097131 | |
| ## | C8.A131.01TCGA | -0.7497982 | NA | NA | NA | -0.2438131 | |
| ## | A0.A12B.01TCGA | -1.4635555 | NA | NA | NA | -0.9231181 | |
| ## | BH.A18Q.02TCGA | -6.6727283 | NA | NA | 0.3693005 | 1.6706541 | |
| ## | C8.A130.02TCGA | -2.0027993 | NA | NA | 1.3361072 | 1.5394591 | |
| ## | C8.A138.03TCGA | 0.5451972 | -2.994914 | 5.976049 | -1.0127441 | -1.6015435 | |
| ## | | NP_001073887 | NP_002771 | NP_002775 | NP_115753 | NP_001103373 | |
| ## | A0.A12D.01TCGA | NA | 1.5609266 | 1.5609266 | 0.4751341 | 0.9094511 | |
| ## | C8.A131.01TCGA | NA | 1.5574939 | 1.5574939 | -0.8145643 | 1.6020206 | |
| ## | A0.A12B.01TCGA | NA | -3.8664233 | -3.8664233 | 0.6039640 | -2.8770071 | |
| ## | BH.A18Q.02TCGA | -11.1655761 | -3.0965151 | -1.0357599 | 0.6034772 | 1.2457906 | |
| ## | C8.A130.02TCGA | 0.5358192 | 0.7227718 | 0.1914330 | 0.7129322 | 2.3299075 | |
| ## | C8.A138.03TCGA | 4.6923930 | 0.5049687 | 0.5049687 | -1.4442865 | -0.9725156 | |
| ## | | NP_078853 | NP_115510 | NP_694573 | NP_542193 | NP_005651 | |
| ## | A0.A12D.01TCGA | 3.7591801 | -0.7173327 | 3.3096239 | 4.479232 | 4.5020907 | |
| ## | C8.A131.01TCGA | 0.6183856 | 2.2901604 | 0.3917042 | -1.304358 | -0.7052715 | |
| ## | A0.A12B.01TCGA | 2.6021967 | -2.9296652 | -2.5167155 | -1.136522 | -0.7235719 | |
| ## | BH.A18Q.02TCGA | -4.8294229 | 0.9881962 | -8.2283309 | -8.853917 | -3.5481416 | |
| ## | C8.A130.02TCGA | -0.9598010 | 1.4345033 | -0.4317421 | -2.675172 | -2.7178107 | |
| ## | C8.A138.03TCGA | 0.5963971 | -1.0858869 | 3.5989084 | 4.410793 | 3.2880516 | |
| ## | | NP_612459 | NP_004211 | NP_061962 | NP_001774 | NP_003018 | NP_659402 |
| ## | A0.A12D.01TCGA | 4.15539911 | NA | 4.978316 | NA | -0.5306526 | NA |
| ## | C8.A131.01TCGA | 1.08389187 | NA | 1.537255 | NA | 1.1000834 | NA |
| ## | A0.A12B.01TCGA | 1.00582775 | NA | -4.999956 | NA | -1.1254357 | NA |
| ## | BH.A18Q.02TCGA | -3.47454325 | -1.0089968 | -11.814580 | NA | -0.5004988 | -2.554563 |
| ## | C8.A130.02TCGA | -0.09063571 | 0.8638061 | -1.474740 | NA | 1.3459469 | -1.261549 |
| ## | C8.A138.03TCGA | 1.49605337 | 2.6041665 | 3.218566 | NA | 0.3915973 | NA |
| ## | | NP_000209 | XP_003960863 | NP_114121 | NP_004818 | NP_001127846 | |
| ## | A0.A12D.01TCGA | NA | NA | NA | -1.3840474 | -2.72509638 | |
| ## | C8.A131.01TCGA | NA | NA | NA | 1.2134241 | -4.01643810 | |
| ## | A0.A12B.01TCGA | NA | NA | NA | 1.6931533 | -5.45724933 | |
| ## | BH.A18Q.02TCGA | -8.8539173 | -3.7522099 | -5.301122 | 3.3600719 | -10.08167242 | |
| ## | C8.A130.02TCGA | -0.4743804 | -1.4353819 | 1.106516 | -1.5206585 | -0.08407597 | |
| ## | C8.A138.03TCGA | 0.9291968 | 0.3586831 | 1.459482 | -0.7677158 | 2.12508131 | |
| ## | | NP_788954 | NP_003323 | NP_001092878 | NP_001007793 | NP_001248364 | |
| ## | A0.A12D.01TCGA | 2.03715133 | 2.1628747 | -6.515846 | NA | -3.30799550 | |
| ## | C8.A131.01TCGA | 3.05925776 | 0.3390818 | 2.456124 | NA | 1.53725453 | |
| ## | A0.A12B.01TCGA | 0.16884264 | -2.7301190 | -3.705678 | NA | -3.38972981 | |
| ## | BH.A18Q.02TCGA | -0.53729797 | 2.1891882 | 3.895333 | -4.886294 | 4.67146158 | |
| ## | C8.A130.02TCGA | 0.03071944 | -1.9175227 | 2.680853 | -1.579696 | -0.06767663 | |
| ## | C8.A138.03TCGA | 0.53788291 | NA | -2.892514 | 2.852852 | -1.24680101 | |
| ## | | NP_751897 | NP_001130 | NP_061846 | NP_078848 | NP_006681 | |
| ## | A0.A12D.01TCGA | -0.04680827 | -5.887229 | 3.1038948 | 3.6867939 | -1.547869 | |
| ## | C8.A131.01TCGA | 1.25390287 | -5.659878 | 1.3955787 | 0.0800174 | 1.330813 | |
| ## | A0.A12B.01TCGA | -2.78000556 | -6.327492 | -4.1574281 | -2.3310268 | -3.159697 | |
| ## | BH.A18Q.02TCGA | -6.59912991 | -3.976351 | -1.8085431 | -8.7267928 | -0.450318 | |
| ## | C8.A130.02TCGA | -7.64745358 | 5.508100 | 0.7063724 | 0.6178160 | -1.087716 | |
| ## | C8.A138.03TCGA | NA | -1.612515 | 3.3538801 | 0.9511396 | NA | |
| ## | | NP_001445 | NP_940918 | NP_001123470 | NP_071434 | NP_115695 | |
| ## | A0.A12D.01TCGA | 0.09034447 | 2.943883 | NA | -5.2014652 | NA | |
| ## | C8.A131.01TCGA | -0.19523851 | 2.184915 | NA | 0.1812144 | NA | |

| | | | | | | |
|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | A0.A12B.01TCGA | -2.05665088 | -2.525030 | NA | -3.8691948 | NA |
| ## | BH.A18Q.02TCGA | -4.89633054 | -6.829961 | NA | -3.6016678 | -0.5607156 |
| ## | C8.A130.02TCGA | 0.69325295 | -1.458341 | NA | 0.8966048 | 0.3652661 |
| ## | C8.A138.03TCGA | 2.56393800 | 1.627710 | 2.582224 | -0.2447449 | 1.1047395 |
| ## | | NP_000740 | NP_061722 | NP_776245 | NP_006821 | NP_060512 |
| ## | A0.A12D.01TCGA | NA | 0.4408459 | -2.248872 | -1.5288198 | 0.1627306 |
| ## | C8.A131.01TCGA | NA | -0.7133673 | -3.773565 | -0.9521922 | 2.5289854 |
| ## | A0.A12B.01TCGA | NA | -0.7402008 | -4.739438 | 1.4908357 | -1.4940417 |
| ## | BH.A18Q.02TCGA | NA | 1.2357544 | -14.919095 | -0.7212940 | 4.8387307 |
| ## | C8.A130.02TCGA | NA | 1.2278716 | -2.261909 | -0.5760563 | -0.8843640 |
| ## | C8.A138.03TCGA | NA | -2.2525143 | 6.956162 | -0.1021164 | 2.3810810 |
| ## | | NP_001182719 | NP_694571 | NP_054876 | NP_004852 | NP_001013049 |
| ## | A0.A12D.01TCGA | 0.1627306 | NA | NA | 0.1893992 | NA |
| ## | C8.A131.01TCGA | 2.5289854 | NA | NA | -0.9926710 | NA |
| ## | A0.A12B.01TCGA | -1.4940417 | NA | NA | -3.2151270 | NA |
| ## | BH.A18Q.02TCGA | 4.8387307 | -4.4112502 | -2.079519012 | 2.0921722 | -11.664038 |
| ## | C8.A130.02TCGA | -0.8843640 | 0.9622022 | 0.004480487 | 1.6870532 | 1.457462 |
| ## | C8.A138.03TCGA | 2.3810810 | -0.4934303 | NA | 0.2306832 | 2.355481 |
| ## | | NP_055989 | NP_001003897 | NP_060766 | NP_075555 | XP_003960164 |
| ## | A0.A12D.01TCGA | NA | NA | NA | 1.7399871 | -4.946209 |
| ## | C8.A131.01TCGA | NA | NA | NA | 0.9057851 | -6.777093 |
| ## | A0.A12B.01TCGA | NA | NA | NA | -1.5716430 | -9.908236 |
| ## | BH.A18Q.02TCGA | NA | -4.6153185 | NA | NA | -13.507343 |
| ## | C8.A130.02TCGA | NA | 0.9294035 | NA | NA | 1.293469 |
| ## | C8.A138.03TCGA | 1.554568 | 4.8971928 | NA | NA | 3.606223 |
| ## | | NP_001153047 | NP_002337 | NP_543013 | NP_005997 | NP_775844 |
| ## | A0.A12D.01TCGA | 1.2980505 | NA | 0.5475202 | 1.0199352 | NA |
| ## | C8.A131.01TCGA | -0.5231169 | NA | 2.5694642 | 1.2498550 | NA |
| ## | A0.A12B.01TCGA | 0.2575298 | NA | -2.9213507 | -2.8853216 | NA |
| ## | BH.A18Q.02TCGA | NA | NA | 0.2622483 | -2.0393744 | 0.9580877 |
| ## | C8.A130.02TCGA | NA | NA | 0.3587063 | 0.0766376 | 2.9826014 |
| ## | C8.A138.03TCGA | -0.5592588 | 0.724397 | -1.0639440 | -2.7096567 | 1.0645109 |
| ## | | NP_065083 | NP_006762 | NP_003761 | NP_056483 | NP_114104 |
| ## | A0.A12D.01TCGA | -0.7401915 | -7.9749982 | -7.9749982 | 2.0257219 | NA |
| ## | C8.A131.01TCGA | 0.8126838 | -1.6970023 | -1.6970023 | 1.3267647 | NA |
| ## | A0.A12B.01TCGA | -1.6991307 | -8.3423536 | -8.3423536 | -1.6159865 | NA |
| ## | BH.A18Q.02TCGA | -1.6580009 | 3.3333088 | 3.3333088 | -2.2802419 | NA |
| ## | C8.A130.02TCGA | -1.6748124 | -0.7236504 | -0.7236504 | -0.7662887 | NA |
| ## | C8.A138.03TCGA | -1.7185720 | -1.8465718 | -1.8465718 | -0.9652013 | 2.673652 |
| ## | | NP_001171672 | NP_001091997 | NP_003836 | NP_789791 | NP_001264129 |
| ## | A0.A12D.01TCGA | -5.2395632 | NA | 1.4504424 | NA | 1.53425797 |
| ## | C8.A131.01TCGA | -1.9196358 | NA | 0.8207796 | NA | 0.08811316 |
| ## | A0.A12B.01TCGA | -5.5099073 | NA | 0.5402201 | NA | 0.22150065 |
| ## | BH.A18Q.02TCGA | -0.8852177 | -0.5306072 | -0.2094506 | 0.5231881 | -3.33069183 |
| ## | C8.A130.02TCGA | 1.4902611 | -0.5235784 | 0.2931089 | 1.4574624 | -1.86176490 |
| ## | C8.A138.03TCGA | -4.3480550 | NA | 2.1360527 | NA | 1.10473948 |
| ## | | NP_612412 | NP_742093 | NP_776194 | NP_001138482 | NP_570124 |
| ## | A0.A12D.01TCGA | 4.9325979 | NA | NA | 3.8658544 | NA |
| ## | C8.A131.01TCGA | 0.2419326 | NA | NA | 0.5455237 | NA |
| ## | A0.A12B.01TCGA | -3.1375257 | NA | NA | 1.0668002 | NA |
| ## | BH.A18Q.02TCGA | -5.3847563 | -7.248134 | -3.7555553 | NA | 1.496694 |
| ## | C8.A130.02TCGA | -4.2560692 | 3.625456 | 2.0215998 | NA | 2.123276 |
| ## | C8.A138.03TCGA | -0.5848588 | 1.587482 | -0.5812017 | NA | 1.386339 |
| ## | | NP_079321 | NP_060946 | NP_004874 | NP_001035706 | NP_001129131 |

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|----|----------------|--------------|--------------|--------------|-------------|--------------|
| ## | A0.A12D.01TCGA | 1.6485519 | NA | NA | 0.3379813 | -0.9878284 |
| ## | C8.A131.01TCGA | 1.3227168 | NA | NA | -1.4379380 | -0.6081224 |
| ## | A0.A12B.01TCGA | -0.2524214 | NA | NA | -0.1665057 | -2.7024043 |
| ## | BH.A18Q.02TCGA | NA | -8.4558168 | -4.7223707 | -0.7045671 | NA |
| ## | C8.A130.02TCGA | NA | 0.2832693 | 0.1586343 | 1.4181040 | NA |
| ## | C8.A138.03TCGA | -0.3142305 | -0.5117160 | NA | NA | 1.9568529 |
| ## | | NP_620072 | NP_849158 | NP_892030 | NP_078936 | NP_001034930 |
| ## | A0.A12D.01TCGA | -0.9878284 | 1.01231562 | NA | NA | NA |
| ## | C8.A131.01TCGA | -0.6081224 | 2.50065019 | NA | NA | NA |
| ## | A0.A12B.01TCGA | -2.7024043 | -0.53511172 | NA | NA | NA |
| ## | BH.A18Q.02TCGA | NA | -4.66215381 | -0.1492337 | NA | 0.3057383 |
| ## | C8.A130.02TCGA | NA | -0.06439676 | 1.0376392 | NA | 2.7890892 |
| ## | C8.A138.03TCGA | 1.9568529 | -2.49754260 | 0.6878256 | NA | NA |
| ## | | XP_003846812 | NP_001034892 | NP_001243528 | NP_116136 | NP_955777 |
| ## | A0.A12D.01TCGA | 2.2657392 | -3.3079955 | -0.68304456 | NA | 1.8885692 |
| ## | C8.A131.01TCGA | -2.0167849 | 1.5372545 | -1.85082181 | NA | 0.9462639 |
| ## | A0.A12B.01TCGA | -4.7228087 | -3.3897298 | 1.09451492 | NA | -1.1974940 |
| ## | BH.A18Q.02TCGA | -12.0788654 | 2.6207425 | -0.05556299 | -0.3399204 | -1.9155953 |
| ## | C8.A130.02TCGA | 0.2471908 | 0.4833413 | 0.91628403 | -0.0807961 | -0.8286062 |
| ## | C8.A138.03TCGA | 1.4485106 | -1.2468010 | -2.04040021 | -0.0326308 | 2.5602809 |
| ## | | NP_061831 | NP_001180247 | NP_004056 | NP_005459 | NP_067650 |
| ## | A0.A12D.01TCGA | -0.008710286 | NA | NA | 3.252477 | -3.02226063 |
| ## | C8.A131.01TCGA | -0.340962220 | NA | NA | 1.152706 | 11.83101573 |
| ## | A0.A12B.01TCGA | -0.512939932 | NA | NA | 0.767481 | -0.09444738 |
| ## | BH.A18Q.02TCGA | -0.202759788 | NA | NA | -2.802121 | -4.06667584 |
| ## | C8.A130.02TCGA | 0.522699768 | NA | NA | 3.756650 | -3.35410523 |
| ## | C8.A138.03TCGA | 0.585425716 | NA | -6.970224 | NA | -2.84862796 |
| ## | | NP_109377 | NP_653273 | NP_775908 | NP_659430 | NP_775815 |
| ## | A0.A12D.01TCGA | NA | NA | NA | NA | NA |
| ## | C8.A131.01TCGA | NA | NA | NA | NA | NA |
| ## | A0.A12B.01TCGA | NA | NA | NA | NA | NA |
| ## | BH.A18Q.02TCGA | -2.059447 | -0.5540249 | -7.589363 | -5.6390053 | -4.136929 |
| ## | C8.A130.02TCGA | 2.562778 | -4.0625569 | 4.107596 | 1.2049125 | 1.155714 |
| ## | C8.A138.03TCGA | NA | -0.1460021 | 1.587482 | -0.5592588 | 2.995480 |
| ## | | NP_005059 | NP_001007091 | NP_065394 | NP_085076 | NP_001159365 |
| ## | A0.A12D.01TCGA | 3.305814 | -0.6868544 | 2.9134049 | NA | NA |
| ## | C8.A131.01TCGA | 1.423914 | 1.6060685 | 0.4726618 | NA | NA |
| ## | A0.A12B.01TCGA | 2.740770 | -2.5499732 | -1.4053545 | NA | NA |
| ## | BH.A18Q.02TCGA | -1.939013 | NA | -5.6758045 | -3.63512158 | -7.6428890 |
| ## | C8.A130.02TCGA | -1.268109 | NA | 0.4111842 | 0.03399931 | 0.8014886 |
| ## | C8.A138.03TCGA | NA | 0.8085112 | -1.3455438 | NA | 2.4505667 |
| ## | | NP_001652 | NP_443196 | NP_071753 | NP_060743 | NP_443071 |
| ## | A0.A12D.01TCGA | 0.2351168 | NA | -2.043143 | 3.4048689 | NA |
| ## | C8.A131.01TCGA | -0.4421592 | NA | 2.468267 | -0.4543029 | NA |
| ## | A0.A12B.01TCGA | 1.9509003 | NA | -4.301545 | -1.0145767 | NA |
| ## | BH.A18Q.02TCGA | 0.7071841 | NA | 2.008538 | -6.9805034 | NA |
| ## | C8.A130.02TCGA | 1.6640941 | NA | 1.181953 | 0.6571744 | NA |
| ## | C8.A138.03TCGA | -3.4264559 | 0.9145682 | -1.733201 | -1.3492009 | 0.7829112 |
| ## | | NP_057051 | NP_002458 | NP_005238 | NP_060147 | NP_835231 |
| ## | A0.A12D.01TCGA | NA | NA | -4.3175920 | 1.01231562 | NA |
| ## | C8.A131.01TCGA | NA | NA | 0.1771665 | 1.27819015 | NA |
| ## | A0.A12B.01TCGA | NA | NA | -0.9563758 | -2.38091332 | NA |
| ## | BH.A18Q.02TCGA | -9.95120253 | NA | -2.3739126 | -1.25990046 | -2.53114556 |
| ## | C8.A130.02TCGA | 0.01759996 | NA | 0.9097243 | -0.05783702 | -1.24186968 |

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|----|----------------|--------------|--------------|--------------|--------------|----------------------|
| ## | C8.A138.03TCGA | 4.23159346 | 1.554568 | -0.7677158 | 0.83045404 | 0.07708337 |
| ## | | NP_001004432 | NP_054729 | NP_003314 | NP_060926 | NP_009157 NP_001421 |
| ## | A0.A12D.01TCGA | NA | 1.903808 | NA | NA | NA 3.2372378 |
| ## | C8.A131.01TCGA | NA | -0.927905 | NA | NA | NA 1.3146211 |
| ## | A0.A12B.01TCGA | NA | -4.329259 | NA | NA | NA 1.5739799 |
| ## | BH.A18Q.02TCGA | 0.2622483 | NA | 1.403024 | -1.4974226 | 1.1387383 -0.8250008 |
| ## | C8.A130.02TCGA | 3.2253117 | NA | 1.368906 | 2.6939730 | 0.2635901 -1.5108189 |
| ## | C8.A138.03TCGA | -6.8239382 | NA | NA | -0.1716021 | NA 1.4558248 |
| ## | | NP_001035267 | NP_006033 | NP_473365 | NP_003826 | NP_076964 |
| ## | A0.A12D.01TCGA | -2.157436 | NA | -1.7269293 | NA | -1.787886 |
| ## | C8.A131.01TCGA | -4.801727 | NA | -0.5312126 | NA | 6.111360 |
| ## | A0.A12B.01TCGA | 1.504693 | NA | 0.5457631 | NA | -3.248385 |
| ## | BH.A18Q.02TCGA | 2.339730 | -2.89244680 | -3.2002219 | -3.57490470 | -10.392793 |
| ## | C8.A130.02TCGA | -0.559657 | -0.03159807 | 2.5693379 | 0.09303695 | -8.473981 |
| ## | C8.A138.03TCGA | -3.495942 | NA | 0.9803967 | 2.81993775 | NA |
| ## | | NP_002404 | NP_057181 | NP_001171532 | NP_001071121 | NP_002633 |
| ## | A0.A12D.01TCGA | 3.2258084 | 2.726725 | NA | NA | -3.479436 |
| ## | C8.A131.01TCGA | -0.5919308 | 1.525111 | NA | NA | 1.857037 |
| ## | A0.A12B.01TCGA | -0.4214813 | -1.541157 | NA | NA | -2.452972 |
| ## | BH.A18Q.02TCGA | -2.3839488 | NA | -3.665230 | NA | -1.922286 |
| ## | C8.A130.02TCGA | -3.0129989 | NA | -1.153313 | NA | 1.257390 |
| ## | C8.A138.03TCGA | 0.9145682 | 1.777653 | NA | 0.3623402 | 1.547253 |
| ## | | NP_000470 | NP_001004489 | NP_001138671 | NP_036537 | NP_060805 |
| ## | A0.A12D.01TCGA | NA | -12.466750 | -0.08871605 | NA | NA |
| ## | C8.A131.01TCGA | NA | -13.156553 | 0.88959358 | NA | NA |
| ## | A0.A12B.01TCGA | NA | -8.611187 | -4.71172285 | NA | NA |
| ## | BH.A18Q.02TCGA | -1.6044748 | 1.928248 | -1.01568758 | NA | -13.4939619 |
| ## | C8.A130.02TCGA | 0.6932529 | -1.769929 | -2.33734588 | NA | -0.1365539 |
| ## | C8.A138.03TCGA | 0.1319405 | -3.861656 | 1.51433906 | -0.4751446 | NA |
| ## | | NP_057324 | NP_067025 | NP_001129042 | NP_976223 | NP_001137150 |
| ## | A0.A12D.01TCGA | NA | -0.3401627 | 0.2274972 | NA | NA |
| ## | C8.A131.01TCGA | NA | -1.7131939 | -2.0613116 | NA | NA |
| ## | A0.A12B.01TCGA | NA | -1.5633285 | -1.8959054 | NA | NA |
| ## | BH.A18Q.02TCGA | 2.349767 | 1.5636018 | -3.0128806 | NA | NA |
| ## | C8.A130.02TCGA | 1.985521 | 0.8375672 | -0.8220465 | NA | NA |
| ## | C8.A138.03TCGA | NA | -2.1866858 | 1.4777677 | 2.483481 | NA |
| ## | | NP_003136 | NP_000071 | NP_963925 | NP_689603 | NP_001185839 |
| ## | A0.A12D.01TCGA | NA | -1.5135806 | 0.4027479 | NA | -2.8165315 |
| ## | C8.A131.01TCGA | NA | 0.1124004 | 3.9740789 | NA | -0.3612016 |
| ## | A0.A12B.01TCGA | NA | -0.6043986 | -1.4136689 | NA | -2.5610591 |
| ## | BH.A18Q.02TCGA | -8.6097044 | -3.5247240 | NA | NA | NA |
| ## | C8.A130.02TCGA | 1.6608143 | -1.8880038 | NA | NA | NA |
| ## | C8.A138.03TCGA | 0.7134256 | NA | 1.8361673 | NA | 1.8032531 |
| ## | | NP_060330 | NP_683691 | NP_659411 | XP_002344489 | NP_695001 |
| ## | A0.A12D.01TCGA | -1.5973961 | NA | NA | 0.1055837 | 0.7303906 |
| ## | C8.A131.01TCGA | -1.5188956 | NA | NA | 5.0062885 | -0.1669033 |
| ## | A0.A12B.01TCGA | 3.0179178 | NA | NA | -1.8044468 | -3.4091301 |
| ## | BH.A18Q.02TCGA | NA | NA | -3.324001 | -1.4572780 | NA |
| ## | C8.A130.02TCGA | NA | NA | 0.266870 | -0.4186226 | NA |
| ## | C8.A138.03TCGA | 0.7573113 | NA | NA | 4.6741073 | NA |
| ## | | NP_002763 | NP_116317 | NP_055794 | NP_004761 | NP_001185837 |
| ## | A0.A12D.01TCGA | -0.9687794 | NA | NA | NA | -2.8165315 |
| ## | C8.A131.01TCGA | -1.8346303 | NA | NA | NA | -0.3612016 |
| ## | A0.A12B.01TCGA | -0.4602819 | NA | NA | NA | -2.5610591 |

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|----|----------------|--------------|--------------|--------------|-------------|--------------|
| ## | BH.A18Q.02TCGA | -9.5698290 | -2.681688 | -3.35410950 | NA | NA |
| ## | C8.A130.02TCGA | -0.8515653 | -3.370505 | -0.09719545 | NA | NA |
| ## | C8.A138.03TCGA | 1.7520531 | 1.982453 | NA | NA | 2.0994813 |
| ## | | NP_001027004 | NP_001186907 | NP_937790 | NP_115923 | NP_065775 |
| ## | A0.A12D.01TCGA | NA | NA | 0.2198776 | 0.9132609 | 6.780350 |
| ## | C8.A131.01TCGA | NA | NA | 4.7148411 | -1.2922142 | 1.176993 |
| ## | A0.A12B.01TCGA | NA | NA | -1.5661000 | -0.1914490 | 2.147675 |
| ## | BH.A18Q.02TCGA | 1.466586 | -11.546950 | NA | 0.2923567 | 3.811698 |
| ## | C8.A130.02TCGA | 3.372906 | -2.530858 | NA | 0.5259796 | -1.182832 |
| ## | C8.A138.03TCGA | NA | 4.878907 | -0.7238301 | -2.4317141 | -1.184630 |
| ## | | NP_001129575 | NP_001010903 | NP_004378 | NP_683684 | NP_001159439 |
| ## | A0.A12D.01TCGA | -7.742601 | 0.8446845 | NA | -1.5212002 | -1.220226 |
| ## | C8.A131.01TCGA | -8.404341 | 2.9702044 | NA | 0.6224334 | 5.734907 |
| ## | A0.A12B.01TCGA | -7.131220 | -3.5338465 | NA | -1.4025830 | -1.704674 |
| ## | BH.A18Q.02TCGA | NA | -1.0156876 | -4.956547 | 1.5134211 | -4.019840 |
| ## | C8.A130.02TCGA | NA | 1.8871252 | -6.502779 | 0.8506867 | 0.142235 |
| ## | C8.A138.03TCGA | 4.626564 | -0.4751446 | -4.000627 | 2.1726241 | NA |
| ## | | NP_057219 | NP_001094348 | NP_997254 | NP_003386 | NP_742055 |
| ## | A0.A12D.01TCGA | NA | -1.01068720 | 0.8561139 | NA | NA |
| ## | C8.A131.01TCGA | NA | -0.04951479 | 0.7762529 | NA | NA |
| ## | A0.A12B.01TCGA | NA | -2.57768797 | 3.5389549 | NA | NA |
| ## | BH.A18Q.02TCGA | NA | -0.32988430 | -0.3834104 | 1.222373 | -7.502383 |
| ## | C8.A130.02TCGA | NA | 2.48078148 | 2.4119042 | 2.244631 | 1.339387 |
| ## | C8.A138.03TCGA | 2.600509 | 2.11045275 | -1.9782288 | NA | 3.562337 |
| ## | | NP_001181887 | NP_055117 | XP_003403796 | NP_001514 | NP_006059 |
| ## | A0.A12D.01TCGA | NA | 0.11701305 | NA | NA | NA |
| ## | C8.A131.01TCGA | NA | 1.22961558 | NA | NA | NA |
| ## | A0.A12B.01TCGA | NA | -0.23856402 | NA | NA | NA |
| ## | BH.A18Q.02TCGA | -15.926055 | 0.96477848 | -11.2993914 | NA | -3.7154107 |
| ## | C8.A130.02TCGA | -3.150753 | 0.48990108 | -0.2251103 | NA | 0.7949289 |
| ## | C8.A138.03TCGA | 3.847594 | -0.02165938 | 2.1433670 | NA | NA |
| ## | | NP_612424 | NP_001177945 | XP_001716411 | NP_776159 | NP_003562 |
| ## | A0.A12D.01TCGA | -1.8145546 | -2.8203413 | NA | NA | 3.248667 |
| ## | C8.A131.01TCGA | -0.9562401 | 1.0879397 | NA | NA | 5.160108 |
| ## | A0.A12B.01TCGA | -5.9478002 | -2.6164886 | NA | NA | -2.400314 |
| ## | BH.A18Q.02TCGA | -8.4056361 | 3.4035619 | NA | -15.57144 | NA |
| ## | C8.A130.02TCGA | 0.6670140 | -0.6154147 | NA | -12.82965 | NA |
| ## | C8.A138.03TCGA | 1.6715960 | -0.6068017 | 0.907254 | NA | NA |
| ## | | NP_653303 | NP_001245240 | NP_001128130 | NP_077017 | NP_000184 |
| ## | A0.A12D.01TCGA | -0.33635293 | 0.7303906 | NA | -0.52684284 | NA |
| ## | C8.A131.01TCGA | -0.01308386 | 0.9503118 | NA | 0.97055120 | NA |
| ## | A0.A12B.01TCGA | -0.42425277 | 0.6926512 | NA | 0.01086863 | NA |
| ## | BH.A18Q.02TCGA | 0.55329651 | -4.7290614 | -5.7995836 | -1.46396875 | 0.52987884 |
| ## | C8.A130.02TCGA | 1.03435931 | 3.0678780 | -0.9466815 | -1.23530995 | -0.06439676 |
| ## | C8.A138.03TCGA | 1.02062528 | -2.8230280 | NA | 1.30588213 | NA |
| ## | | NP_006570 | XP_003961041 | NP_001191125 | NP_872333 | NP_060307 |
| ## | A0.A12D.01TCGA | 0.006528907 | NA | NA | -0.1191944 | 0.5132321 |
| ## | C8.A131.01TCGA | 0.533380061 | NA | NA | 5.0953419 | 1.7477443 |
| ## | A0.A12B.01TCGA | -2.428028380 | NA | NA | -3.2206699 | -0.2053063 |
| ## | BH.A18Q.02TCGA | -2.410711817 | -1.1026675 | NA | -1.7449808 | -0.6209325 |
| ## | C8.A130.02TCGA | -1.802727259 | 1.4312234 | NA | 0.1389551 | 0.5653381 |
| ## | C8.A138.03TCGA | 3.390451456 | -0.7128587 | -1.901429 | 1.3205107 | 0.8341112 |
| ## | | NP_443118 | NP_443724 | NP_079273 | NP_068775 | NP_663696 |
| ## | A0.A12D.01TCGA | 5.2640504 | -0.7592405 | NA | 1.1532782 | 0.7380102 |

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|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | C8.A131.01TCGA | 0.4038479 | -0.3612016 | NA | 1.0717482 | -1.1950651 |
| ## | A0.A12B.01TCGA | -0.4796822 | -6.0364874 | NA | 0.5596205 | -1.0644632 |
| ## | BH.A18Q.02TCGA | -0.2462498 | -5.0167643 | NA | 1.7609794 | 0.4395535 |
| ## | C8.A130.02TCGA | -1.0811561 | 1.0671580 | NA | -1.2779482 | -0.5563771 |
| ## | C8.A138.03TCGA | 1.1413109 | 2.5566237 | NA | -0.1679450 | NA |
| ## | | NP_001139313 | NP_778232 | NP_699207 | XP_003960847 | NP_001008536 |
| ## | A0.A12D.01TCGA | -2.2603010 | 0.6160966 | NA | NA | NA |
| ## | C8.A131.01TCGA | 0.9422160 | -1.8548697 | NA | NA | NA |
| ## | A0.A12B.01TCGA | -3.6973634 | -1.9929070 | NA | NA | NA |
| ## | BH.A18Q.02TCGA | -0.0722899 | -13.6679218 | -6.247865 | -9.195146 | -3.1500412 |
| ## | C8.A130.02TCGA | 1.7920090 | 0.3915050 | 1.149155 | 1.355786 | 0.4046245 |
| ## | C8.A138.03TCGA | -0.3873733 | NA | 4.067022 | NA | -1.9928574 |
| ## | | NP_005418 | NP_067003 | NP_058644 | NP_005240 | NP_060370 |
| ## | A0.A12D.01TCGA | -11.8000356 | NA | NA | -1.7497880 | NA |
| ## | C8.A131.01TCGA | -6.8620984 | NA | NA | 3.6664399 | NA |
| ## | A0.A12B.01TCGA | 3.7107863 | NA | NA | -1.8404759 | NA |
| ## | BH.A18Q.02TCGA | -1.7148724 | NA | -0.6677679 | -4.8963305 | 0.5967865 |
| ## | C8.A130.02TCGA | -0.1693526 | NA | -3.7640888 | 0.6932529 | 1.6575344 |
| ## | C8.A138.03TCGA | 7.8521612 | NA | -3.6641700 | 2.5639380 | NA |
| ## | | NP_001177370 | NP_001035194 | NP_671723 | NP_001161362 | NP_004952 |
| ## | A0.A12D.01TCGA | -1.795506 | -2.7098572 | 0.05605628 | NA | 2.9781715 |
| ## | C8.A131.01TCGA | 1.201280 | -1.5350871 | -1.97630612 | NA | -2.2556099 |
| ## | A0.A12B.01TCGA | -4.296002 | -1.1365216 | -6.10023127 | NA | -0.8316594 |
| ## | BH.A18Q.02TCGA | -15.169998 | -1.9825029 | NA | -12.573982 | -5.7126037 |
| ## | C8.A130.02TCGA | -3.419703 | -0.7662887 | NA | 2.188873 | -0.3169467 |
| ## | C8.A138.03TCGA | 1.064511 | -0.4349161 | 1.37171064 | 4.440050 | NA |
| ## | | NP_001139108 | NP_036386 | NP_660329 | NP_001017403 | NP_001017404 |
| ## | A0.A12D.01TCGA | 0.8637335 | -3.8642260 | -1.1516497 | -3.479436 | -3.738503 |
| ## | C8.A131.01TCGA | 0.3431297 | -1.1505384 | 0.8855457 | 1.857037 | 2.484459 |
| ## | A0.A12B.01TCGA | -5.2881894 | 0.7591666 | -0.4575105 | -3.057153 | -2.755062 |
| ## | BH.A18Q.02TCGA | -9.1416201 | -1.6379286 | 2.7746301 | -1.922286 | -1.922286 |
| ## | C8.A130.02TCGA | -0.4711005 | 0.7129322 | -0.7170907 | 1.257390 | 1.257390 |
| ## | C8.A138.03TCGA | 1.5655390 | -0.4276018 | NA | NA | NA |
| ## | | NP_076941 | XP_373277 | NP_116053 | XP_003846524 | NP_001123885 |
| ## | A0.A12D.01TCGA | NA | -1.74978805 | NA | 2.6543386 | NA |
| ## | C8.A131.01TCGA | NA | 2.29825615 | NA | 0.7155347 | NA |
| ## | A0.A12B.01TCGA | NA | -3.69459194 | NA | 0.1605282 | NA |
| ## | BH.A18Q.02TCGA | NA | 0.31577440 | NA | -8.7167566 | -5.7995836 |
| ## | C8.A130.02TCGA | 3.635295 | 0.07991747 | NA | 0.3882251 | 2.5890172 |
| ## | C8.A138.03TCGA | -1.009087 | 0.05514054 | NA | 1.4960534 | -0.5958302 |
| ## | | NP_569157 | NP_443175 | NP_955369 | NP_056002 | NP_001857 |
| ## | A0.A12D.01TCGA | NA | -1.231655 | 0.8675433 | 1.42758362 | 2.098108 |
| ## | C8.A131.01TCGA | NA | -4.279550 | 0.6467207 | 2.65042179 | -1.680811 |
| ## | A0.A12B.01TCGA | NA | -4.462290 | 1.8123266 | -0.97854754 | -5.418449 |
| ## | BH.A18Q.02TCGA | -3.695338 | -11.864761 | -2.8589930 | -2.16649894 | -6.043797 |
| ## | C8.A130.02TCGA | -1.005719 | 0.115996 | 0.5095803 | 0.07335773 | -1.022118 |
| ## | C8.A138.03TCGA | NA | 6.755019 | 0.3769688 | 0.13925474 | 3.631823 |
| ## | | NP_689975 | NP_002176 | NP_001164626 | NP_443073 | NP_001193949 |
| ## | A0.A12D.01TCGA | NA | NA | NA | -0.1191944 | -1.7040705 |
| ## | C8.A131.01TCGA | NA | NA | NA | 1.1446101 | -2.8466005 |
| ## | A0.A12B.01TCGA | NA | NA | NA | -1.2030369 | -0.8954033 |
| ## | BH.A18Q.02TCGA | -5.26097716 | 1.1287022 | 3.828425 | 1.7007625 | -3.6719208 |
| ## | C8.A130.02TCGA | -0.09719545 | 0.9064444 | 2.562778 | 0.3718258 | -1.1500334 |
| ## | C8.A138.03TCGA | -1.67102915 | -0.1752592 | -1.480858 | -1.7185720 | 1.0571967 |

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|----|----------------|--------------|--------------|--------------|--------------|--------------|
| ## | | NP_660352 | NP_001138779 | NP_037464 | NP_443165 | NP_001121687 |
| ## | AO.A12D.01TCGA | 4.6963904 | 4.6963904 | NA | 0.1665404 | 1.49235019 |
| ## | C8.A131.01TCGA | 5.5648961 | 5.5648961 | NA | -2.7494514 | -0.69717574 |
| ## | AO.A12B.01TCGA | 0.9725701 | 0.9725701 | NA | -1.6714160 | -2.48900080 |
| ## | BH.A18Q.02TCGA | -14.1730744 | NA | -7.743251 | NA | -6.91025042 |
| ## | C8.A130.02TCGA | -0.3956635 | NA | 2.064238 | NA | -0.07751624 |
| ## | C8.A138.03TCGA | NA | NA | 2.147024 | 3.6501083 | 3.21856592 |
| ## | | NP_115950 | NP_001026907 | NP_620169 | NP_945193 | NP_055281 |
| ## | AO.A12D.01TCGA | 2.1743041 | -1.4716728 | NA | -0.04680827 | 6.890834 |
| ## | C8.A131.01TCGA | -0.8105164 | -0.4057283 | NA | 1.12437068 | 1.634404 |
| ## | AO.A12B.01TCGA | -0.2607358 | 0.7536236 | NA | -1.27786672 | -2.677461 |
| ## | BH.A18Q.02TCGA | -5.1472342 | -0.3131574 | -5.097053 | NA | -8.509343 |
| ## | C8.A130.02TCGA | 0.1717538 | 1.5984968 | -1.412423 | NA | 1.398425 |
| ## | C8.A138.03TCGA | -0.8189157 | NA | 2.216510 | -0.77503005 | NA |
| ## | | NP_115743 | NP_777569 | NP_653326 | NP_710141 | NP_065954 |
| ## | AO.A12D.01TCGA | NA | NA | 1.3475779 | NA | NA |
| ## | C8.A131.01TCGA | NA | NA | -1.1869693 | NA | NA |
| ## | AO.A12B.01TCGA | NA | NA | 1.0834290 | NA | NA |
| ## | BH.A18Q.02TCGA | NA | 0.7406379 | -3.9060975 | -3.8793345 | NA |
| ## | C8.A130.02TCGA | NA | -4.5446976 | -0.9860399 | 0.7293315 | NA |
| ## | C8.A138.03TCGA | -0.2410877 | 1.1083966 | -0.1386878 | NA | NA |
| ## | | NP_001264236 | NP_001243586 | XP_001129515 | NP_004786 | NP_000991 |
| ## | AO.A12D.01TCGA | NA | 1.8923790 | 0.8827825 | NA | 1.0961312 |
| ## | C8.A131.01TCGA | NA | 1.3591478 | 0.2783636 | NA | -0.7255109 |
| ## | AO.A12B.01TCGA | NA | 0.1411279 | -0.2274781 | NA | -2.6358889 |
| ## | BH.A18Q.02TCGA | 11.7904342 | -6.5991299 | 1.2324090 | -9.901022 | 0.8577263 |
| ## | C8.A130.02TCGA | -0.1168747 | 0.8900451 | 1.0835573 | -11.744010 | 2.0281596 |
| ## | C8.A138.03TCGA | NA | -0.4093161 | NA | NA | -1.9599431 |
| ## | | NP_001093391 | NP_002243 | NP_542787 | NP_001164102 | NP_689846 |
| ## | AO.A12D.01TCGA | NA | 0.3379813 | -0.6335172 | 1.1989957 | NA |
| ## | C8.A131.01TCGA | NA | 3.5409556 | 4.8403254 | -0.1385682 | NA |
| ## | AO.A12B.01TCGA | NA | -2.3171694 | -1.9651922 | 0.7203659 | NA |
| ## | BH.A18Q.02TCGA | 11.7904342 | -2.1163182 | NA | 0.2154129 | NA |
| ## | C8.A130.02TCGA | -0.1168747 | 2.9563625 | NA | 0.3127882 | NA |
| ## | C8.A138.03TCGA | NA | NA | -1.9928574 | -3.3935417 | NA |
| ## | | NP_057700 | NP_001288 | NP_000551 | NP_742099 | NP_002659 |
| ## | AO.A12D.01TCGA | 0.2122580 | 2.5819525 | NA | NA | 1.385676 |
| ## | C8.A131.01TCGA | -2.7575471 | 2.4480277 | NA | NA | 3.265700 |
| ## | AO.A12B.01TCGA | 2.4774804 | -0.3965380 | NA | NA | -1.433069 |
| ## | BH.A18Q.02TCGA | -5.3613386 | -1.7282539 | -1.4472418 | -11.647311 | -2.076174 |
| ## | C8.A130.02TCGA | -0.2152707 | -0.1201545 | -0.3169467 | 1.486981 | -2.422622 |
| ## | C8.A138.03TCGA | NA | NA | 1.1413109 | NA | 4.008508 |
| ## | | NP_078945 | NP_940893 | NP_055716 | NP_115995 | XP_003960169 |
| ## | AO.A12D.01TCGA | NA | 1.1266096 | 0.9094511 | NA | NA |
| ## | C8.A131.01TCGA | NA | 1.5291588 | 1.6020206 | NA | NA |
| ## | AO.A12B.01TCGA | NA | 1.1250011 | -2.8770071 | NA | NA |
| ## | BH.A18Q.02TCGA | 0.3124290 | -3.4109810 | -7.5659453 | -6.856724 | -6.0772503 |
| ## | C8.A130.02TCGA | 1.5853773 | -0.0283182 | 1.5033806 | 2.182313 | -0.2251103 |
| ## | C8.A138.03TCGA | -0.6580016 | NA | -3.1667991 | 1.335139 | NA |
| ## | | NP_006813 | NP_777552 | NP_542778 | NP_115996 | NP_849150 |
| ## | AO.A12D.01TCGA | NA | NA | NA | -0.8963933 | NA |
| ## | C8.A131.01TCGA | NA | NA | NA | 0.3350339 | NA |
| ## | AO.A12B.01TCGA | NA | NA | NA | -5.6124519 | NA |
| ## | BH.A18Q.02TCGA | 1.466586 | -2.738559 | -5.635660 | -4.6287000 | -9.553102 |

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|----|----------------|--------------|--------------|--------------|--------------|--------------|----|
| ## | C8.A130.02TCGA | 3.372906 | -2.776848 | 1.572258 | -0.3202265 | 1.962562 | NA |
| ## | C8.A138.03TCGA | NA | -4.871026 | NA | 1.1925108 | 2.622452 | NA |
| ## | | NP_001124183 | NP_699167 | NP_001004456 | NP_002034 | NP_057156 | |
| ## | A0.A12D.01TCGA | NA | 4.7344884 | -2.0240935 | NA | 1.0237450 | |
| ## | C8.A131.01TCGA | NA | 1.0029342 | -0.1669033 | NA | 2.8082891 | |
| ## | A0.A12B.01TCGA | NA | -0.5849983 | -3.0710103 | NA | 0.0358119 | |
| ## | BH.A18Q.02TCGA | NA | -9.4661222 | 2.3531120 | -4.039913 | NA | |
| ## | C8.A130.02TCGA | NA | -0.1595130 | -1.4452216 | -3.409863 | NA | |
| ## | C8.A138.03TCGA | NA | 2.2859954 | 0.1977690 | -8.630565 | NA | |
| ## | | NP_001005234 | NP_001017980 | NP_001087199 | NP_068575 | NP_653322 | |
| ## | A0.A12D.01TCGA | NA | 1.95333577 | NA | NA | NA | |
| ## | C8.A131.01TCGA | NA | -0.08594572 | NA | NA | NA | |
| ## | A0.A12B.01TCGA | NA | -0.14156243 | NA | NA | NA | |
| ## | BH.A18Q.02TCGA | 1.667309 | NA | -12.7813956 | 1.5033850 | -1.6513101 | |
| ## | C8.A130.02TCGA | 2.628376 | NA | 0.1061564 | 0.5948569 | -0.2152707 | |
| ## | C8.A138.03TCGA | -1.042001 | 0.72805414 | 3.3721658 | -0.7201730 | 1.3131964 | |
| ## | | NP_808211 | NP_001093260 | NP_005622 | NP_001138640 | NP_006845 | |
| ## | A0.A12D.01TCGA | NA | NA | NA | NA | NA | |
| ## | C8.A131.01TCGA | NA | NA | NA | NA | NA | |
| ## | A0.A12B.01TCGA | NA | NA | NA | NA | NA | |
| ## | BH.A18Q.02TCGA | NA | NA | 0.1652322 | NA | -3.564869 | |
| ## | C8.A130.02TCGA | NA | NA | 3.4450629 | NA | -3.531218 | |
| ## | C8.A138.03TCGA | NA | NA | NA | 1.817882 | 4.103594 | |
| ## | | XP_003960233 | NP_003262 | NP_001004339 | NP_443116 | NP_476509 | |
| ## | A0.A12D.01TCGA | -2.881298 | 0.35322054 | NA | NA | -0.6830446 | |
| ## | C8.A131.01TCGA | 1.079844 | 0.97459908 | NA | NA | 2.0108566 | |
| ## | A0.A12B.01TCGA | -1.308353 | -0.03347495 | NA | NA | 1.7624401 | |
| ## | BH.A18Q.02TCGA | NA | 0.91125237 | -0.7480570 | NA | 2.0787906 | |
| ## | C8.A130.02TCGA | NA | -0.76628870 | -0.4022233 | NA | 2.3003887 | |
| ## | C8.A138.03TCGA | -2.003829 | -0.82257286 | 2.8053092 | NA | -5.3245112 | |
| ## | | NP_848648 | NP_001792 | NP_115928 | NP_149040 | NP_775928 | |
| ## | A0.A12D.01TCGA | NA | -5.9405660 | 5.656460 | 0.8256355 | -1.5859667 | |
| ## | C8.A131.01TCGA | NA | 0.2662199 | -1.215305 | 0.1366877 | 5.3948851 | |
| ## | A0.A12B.01TCGA | NA | -3.4617881 | -2.530573 | 1.8871564 | -1.6880449 | |
| ## | BH.A18Q.02TCGA | NA | 0.7506740 | -7.070829 | 2.8950638 | 0.6703849 | |
| ## | C8.A130.02TCGA | NA | 0.9294035 | 2.762850 | 1.7559305 | 2.7464509 | |
| ## | C8.A138.03TCGA | 0.8999397 | -1.3126295 | 4.260851 | -0.2557163 | NA | |
| ## | | NP_001185982 | NP_001001850 | NP_005369 | NP_001013642 | NP_073618 | |
| ## | A0.A12D.01TCGA | NA | 0.9437393 | NA | NA | 0.9094511 | |
| ## | C8.A131.01TCGA | NA | 1.1081792 | NA | NA | 1.6020206 | |
| ## | A0.A12B.01TCGA | NA | -3.3176715 | NA | NA | -2.8770071 | |
| ## | BH.A18Q.02TCGA | -12.7813956 | -6.5690215 | NA | -0.2964305 | -7.5659453 | |
| ## | C8.A130.02TCGA | 0.1061564 | 0.1750337 | NA | -1.0385178 | 1.5033806 | |
| ## | C8.A138.03TCGA | 3.3721658 | 3.3063373 | 1.075482 | NA | -3.1667991 | |
| ## | | NP_848578 | NP_996805 | NP_001161940 | NP_997625 | NP_003270 | |
| ## | A0.A12D.01TCGA | -0.04299847 | -5.0795516 | NA | 1.6371225 | -0.2525374 | |
| ## | C8.A131.01TCGA | -4.25121520 | -5.4331964 | NA | 1.0596046 | 2.1930112 | |
| ## | A0.A12B.01TCGA | 0.39610350 | -6.5214953 | NA | 1.6488097 | -2.8132632 | |
| ## | BH.A18Q.02TCGA | 3.46712411 | NA | 3.18945742 | 0.4228266 | 0.3893728 | |
| ## | C8.A130.02TCGA | -1.28450798 | NA | 0.09959668 | 0.4931809 | 2.3692659 | |
| ## | C8.A138.03TCGA | 1.93125293 | 0.9767396 | -3.01685636 | -2.3549142 | -0.3544590 | |
| ## | | NP_078879 | NP_060152 | NP_036314 | NP_849155 | NP_001012414 | |
| ## | A0.A12D.01TCGA | -5.4757707 | -4.8662029 | NA | NA | NA | |
| ## | C8.A131.01TCGA | 0.1245441 | -1.5553265 | NA | NA | NA | |

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|----|----------------|--------------|--------------|--------------|--------------|----------------------|
| ## | A0.A12B.01TCGA | -7.3501660 | -3.5643327 | NA | NA | NA |
| ## | BH.A18Q.02TCGA | 0.5131519 | 2.7177586 | -7.094246 | -8.4290538 | -0.7179486 |
| ## | C8.A130.02TCGA | -0.1004753 | -0.6744524 | 2.467662 | -8.3231066 | 0.1520746 |
| ## | C8.A138.03TCGA | 0.2160547 | -1.6454292 | NA | -0.2557163 | NA |
| ## | | NP_612396 | NP_001073947 | NP_001486 | NP_001013757 | NP_001158162 |
| ## | A0.A12D.01TCGA | NA | NA | NA | NA | NA |
| ## | C8.A131.01TCGA | NA | NA | NA | NA | NA |
| ## | A0.A12B.01TCGA | NA | NA | NA | NA | NA |
| ## | BH.A18Q.02TCGA | NA | NA | -2.410712 | -7.094246 | -11.249211 |
| ## | C8.A130.02TCGA | NA | NA | 3.012120 | 2.467662 | -6.145274 |
| ## | C8.A138.03TCGA | NA | 1.861767 | -9.511936 | NA | 10.602330 |
| ## | | NP_057655 | NP_937858 | NP_005363 | XP_003118572 | NP_001009606 |
| ## | A0.A12D.01TCGA | 1.038984210 | 2.5781427 | NA | 4.7497276 | NA |
| ## | C8.A131.01TCGA | 0.658864370 | 3.9578873 | NA | -0.2681004 | NA |
| ## | A0.A12B.01TCGA | -0.000217265 | 0.4238182 | NA | 0.6954227 | NA |
| ## | BH.A18Q.02TCGA | 0.101669961 | -2.5779809 | NA | NA | -2.89244680 |
| ## | C8.A130.02TCGA | 0.450542653 | 0.3390271 | NA | NA | -0.03159807 |
| ## | C8.A138.03TCGA | -1.356515181 | NA | NA | 1.5399390 | NA |
| ## | | NP_057125 | NP_036318 | NP_066009 | NP_653179 | NP_068741 NP_112590 |
| ## | A0.A12D.01TCGA | -0.5344624 | NA | 2.185733 | -1.4107160 | -0.8468659 1.374246 |
| ## | C8.A131.01TCGA | 1.9703778 | NA | -1.114107 | 0.1569271 | -0.3207228 1.019126 |
| ## | A0.A12B.01TCGA | -0.1055333 | NA | 6.041596 | -0.3327941 | -1.1309786 -2.513944 |
| ## | BH.A18Q.02TCGA | -0.8015831 | -7.094246 | -6.699491 | -1.1160490 | -0.3131574 NA |
| ## | C8.A130.02TCGA | -1.1500334 | 2.467662 | -3.468901 | -0.8154867 | 1.5984968 NA |
| ## | C8.A138.03TCGA | 1.4960534 | NA | 1.503368 | -0.1862306 | -3.9347983 NA |
| ## | | NP_872416 | NP_001007596 | NP_002460 | NP_115956 | NP_006685 |
| ## | A0.A12D.01TCGA | NA | NA | 1.0961312 | NA | 2.5438545 |
| ## | C8.A131.01TCGA | NA | NA | 0.6669601 | NA | -1.1424426 |
| ## | A0.A12B.01TCGA | NA | NA | -1.4275263 | NA | -0.3189368 |
| ## | BH.A18Q.02TCGA | -0.7313301 | 0.8777986 | NA | NA | 0.4495897 |
| ## | C8.A130.02TCGA | 1.8084084 | 0.8539665 | NA | NA | -2.9375619 |
| ## | C8.A138.03TCGA | -0.2484020 | 0.1941118 | 1.8361673 | NA | 0.9986824 |
| ## | | NP_004464 | NP_036224 | NP_001092808 | NP_694948 | NP_000610 |
| ## | A0.A12D.01TCGA | NA | 0.7875375 | 1.25995250 | -5.239563 | NA |
| ## | C8.A131.01TCGA | NA | 0.6629123 | 0.56171523 | -1.919636 | NA |
| ## | A0.A12B.01TCGA | NA | -1.5411567 | -1.57164295 | -5.509907 | NA |
| ## | BH.A18Q.02TCGA | -7.094246 | NA | 0.27562982 | -2.112973 | -9.7504796 |
| ## | C8.A130.02TCGA | 2.467662 | NA | -0.09063571 | 2.064238 | 0.7457309 |
| ## | C8.A138.03TCGA | NA | -1.4040580 | 1.79593878 | -4.062798 | 5.1385640 |
| ## | | NP_699178 | NP_955523 | NP_006140 | NP_001138229 | NP_068835 |
| ## | A0.A12D.01TCGA | -0.2944451 | 2.5019467 | NA | NA | 0.547520246 |
| ## | C8.A131.01TCGA | 1.2053283 | 0.1731187 | NA | NA | 0.274315681 |
| ## | A0.A12B.01TCGA | -2.5804594 | -1.9568778 | NA | NA | 4.023962803 |
| ## | BH.A18Q.02TCGA | 1.2926259 | NA | -1.5542941 | -4.56513774 | -0.002036877 |
| ## | C8.A130.02TCGA | -0.9335620 | NA | 2.7530106 | 0.14551485 | 1.165554066 |
| ## | C8.A138.03TCGA | 0.3623402 | 1.8654244 | 0.8085112 | -0.02531652 | 0.099026207 |
| ## | | NP_001906 | NP_112509 | NP_065933 | NP_872308 | NP_055176 NP_997279 |
| ## | A0.A12D.01TCGA | NA | 1.50758938 | NA | -0.8659149 | NA 0.04081709 |
| ## | C8.A131.01TCGA | NA | -0.04546691 | NA | -2.0167849 | NA 2.86900736 |
| ## | A0.A12B.01TCGA | NA | -3.31767149 | NA | -2.1287092 | NA -0.87323153 |
| ## | BH.A18Q.02TCGA | NA | -3.34072797 | NA | -9.6400820 | NA NA |
| ## | C8.A130.02TCGA | NA | 2.27086987 | NA | -1.2845080 | NA NA |
| ## | C8.A138.03TCGA | NA | NA | NA | -1.7697719 | NA NA |
| ## | | NP_060529 | NP_001129479 | NP_004051 | NP_114404 | NP_612382 |

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|----|----------------|--------------|--------------|--------------|--------------|---------------------|
| ## | A0.A12D.01TCGA | NA | 1.9228574 | -4.0585257 | NA | 2.9362637 |
| ## | C8.A131.01TCGA | NA | 0.5455237 | -4.5224232 | NA | -0.3247707 |
| ## | A0.A12B.01TCGA | NA | -2.0538794 | -6.2304905 | NA | -3.0128094 |
| ## | BH.A18Q.02TCGA | -1.336844 | -1.5810571 | -6.4318608 | NA | -4.2406357 |
| ## | C8.A130.02TCGA | 3.002281 | -2.9277223 | -0.3497454 | NA | -2.4095030 |
| ## | C8.A138.03TCGA | -2.640171 | 4.0158223 | NA | -0.02165938 | 1.7995959 |
| ## | | NP_003927 | NP_061841 | NP_001014979 | NP_848561 | NP_000331 |
| ## | A0.A12D.01TCGA | 4.6468631 | NA | 0.02557790 | -0.10014544 | NA |
| ## | C8.A131.01TCGA | -0.5716914 | NA | 1.69107401 | 0.00715554 | NA |
| ## | A0.A12B.01TCGA | -4.6119498 | NA | -2.86314978 | -0.59331267 | NA |
| ## | BH.A18Q.02TCGA | -9.0713671 | -20.331922 | -3.21025808 | -2.59805320 | -3.9362059 |
| ## | C8.A130.02TCGA | -0.7958075 | 3.425384 | -0.04143768 | 0.59813675 | -0.4940596 |
| ## | C8.A138.03TCGA | 3.2770801 | 2.849195 | NA | 0.41719731 | NA |
| ## | | NP_690591 | XP_003960234 | NP_000237 | NP_057387 | NP_004187 |
| ## | A0.A12D.01TCGA | NA | -2.881298 | NA | -2.058382 | NA |
| ## | C8.A131.01TCGA | NA | 1.079844 | NA | -5.890607 | NA |
| ## | A0.A12B.01TCGA | NA | -1.308353 | NA | -6.413408 | NA |
| ## | BH.A18Q.02TCGA | NA | NA | -10.6804958 | -12.028685 | 3.360072 |
| ## | C8.A130.02TCGA | NA | NA | 0.4603823 | -3.678812 | 1.962562 |
| ## | C8.A138.03TCGA | NA | NA | 1.8398245 | 6.517305 | NA |
| ## | | NP_065087 | NP_004953 | NP_001034806 | NP_065119 | NP_110392 NP_620138 |
| ## | A0.A12D.01TCGA | NA | NA | 1.2751917 | 0.7875375 | NA NA |
| ## | C8.A131.01TCGA | NA | NA | 1.3146211 | 0.6629123 | NA NA |
| ## | A0.A12B.01TCGA | NA | NA | 0.5291342 | -1.5411567 | NA NA |
| ## | BH.A18Q.02TCGA | NA | -2.159808 | -3.4143264 | NA | NA NA |
| ## | C8.A130.02TCGA | NA | 1.742811 | -1.6190546 | NA | NA NA |
| ## | C8.A138.03TCGA | NA | NA | -0.8262300 | -1.4040580 | -0.9359442 NA |
| ## | | NP_062558 | NP_001005163 | NP_665813 | NP_005279 | NP_998761 |
| ## | A0.A12D.01TCGA | 0.8256355 | 1.454252 | 0.8408747 | NA | 0.1398718 |
| ## | C8.A131.01TCGA | 0.1366877 | 1.002934 | 1.4684406 | NA | -0.4462071 |
| ## | A0.A12B.01TCGA | 1.8871564 | -4.900183 | -0.8372024 | NA | -2.2284823 |
| ## | BH.A18Q.02TCGA | 2.8950638 | NA | NA | -13.54748803 | -4.8963305 |
| ## | C8.A130.02TCGA | 1.7559305 | NA | NA | -0.06111689 | 0.6932529 |
| ## | C8.A138.03TCGA | -0.2557163 | -5.960853 | 1.0169681 | 4.96302130 | 2.5639380 |
| ## | | YP_003024032 | NP_001165887 | NP_001010893 | NP_872303 | NP_000871 |
| ## | A0.A12D.01TCGA | NA | 0.9323099 | NA | NA | NA |
| ## | C8.A131.01TCGA | NA | 1.2296156 | NA | NA | NA |
| ## | A0.A12B.01TCGA | NA | 0.7563951 | NA | NA | NA |
| ## | BH.A18Q.02TCGA | -4.708989 | NA | NA | -2.865684 | 0.723911 |
| ## | C8.A130.02TCGA | -1.648573 | NA | NA | -3.586976 | 3.120356 |
| ## | C8.A138.03TCGA | 5.420164 | -0.7311444 | 0.1575404 | 5.489649 | 1.064511 |
| ## | | NP_690872 | NP_683762 | NP_060064 | NP_699174 | NP_001164045 |
| ## | A0.A12D.01TCGA | NA | NA | NA | NA | -1.231655 |
| ## | C8.A131.01TCGA | NA | NA | NA | NA | -4.279550 |
| ## | A0.A12B.01TCGA | NA | NA | NA | NA | -4.462290 |
| ## | BH.A18Q.02TCGA | NA | NA | NA | 0.5834049 | -11.864761 |
| ## | C8.A130.02TCGA | NA | NA | NA | 0.3324674 | 0.115996 |
| ## | C8.A138.03TCGA | 3.66108 | 3.617194 | NA | NA | 6.755019 |
| ## | | NP_001193600 | NP_061134 | NP_932347 | NP_003593 | NP_997203 |
| ## | A0.A12D.01TCGA | NA | NA | NA | -0.3401627 | NA |
| ## | C8.A131.01TCGA | NA | NA | NA | 3.4519022 | NA |
| ## | A0.A12B.01TCGA | NA | NA | NA | -1.7185311 | NA |
| ## | BH.A18Q.02TCGA | 0.04814385 | NA | -0.8818723 | 2.5270718 | -8.111243 |
| ## | C8.A130.02TCGA | 1.45746240 | NA | 1.7100123 | 0.2963888 | -1.753529 |

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|-------------------|--------------|------------|------------|------------|-------------|
| ## C8.A138.03TCGA | -3.25091327 | 1.711825 | -0.2484020 | NA | 4.707022 |
| ## | NP_001191293 | NP_775791 | NP_004065 | NP_068752 | NP_219494 |
| ## A0.A12D.01TCGA | NA | NA | NA | -0.6335172 | 12.66648821 |
| ## C8.A131.01TCGA | NA | NA | NA | 4.8403254 | 0.14073561 |
| ## A0.A12B.01TCGA | NA | NA | NA | -1.9651922 | -2.85483536 |
| ## BH.A18Q.02TCGA | -16.029761 | -2.0460652 | -1.7784346 | NA | -3.06975204 |
| ## C8.A130.02TCGA | 1.729692 | -0.4251823 | -0.1496734 | NA | -0.04799742 |
| ## C8.A138.03TCGA | 4.107251 | -3.2033705 | 1.9714815 | NA | NA |