Supplementary Information

DCLK1 promotes colorectal cancer stemness and aggressiveness via the XRCC5/COX2 axis

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Supplementary figures

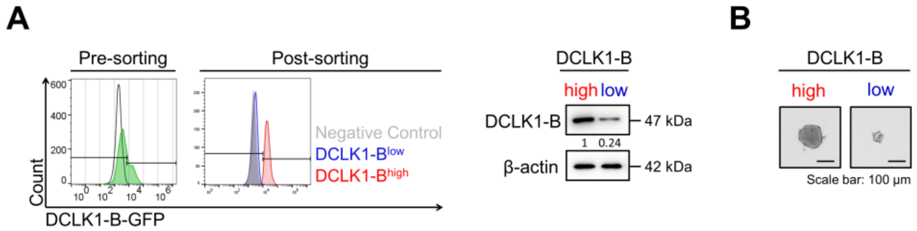
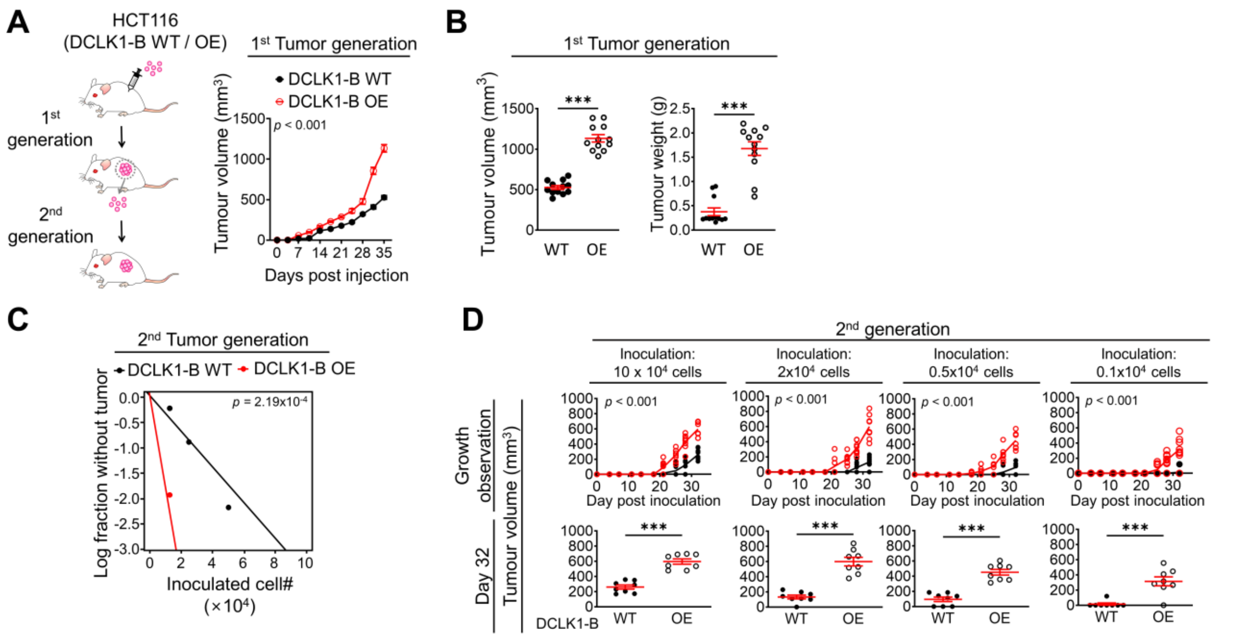
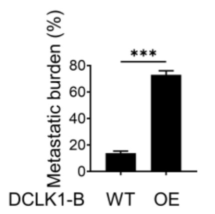


Figure S1 (related to Figure 1).

(A) FACS analysis of sorted DCLK1-B^{high} and DCLK1-B^{low} HCT116 cells (left), and immunoblot of DCLK1-B expression (right) in both cell populations. Relative band intensity of target protein in DCLK1-B^{low} cell population was normalized to β-actin in the DCLK1-B^{high} cell population. (B) Representative images of formed spheres of both DCLK1-B^{high} and DCLK1-B^{low}. The data are presented as the means ± SEMs. *** indicates $p < 0.001$. Statistical significance was determined by unpaired two-tailed Student's t tests for comparisons between two groups.





Frequency of tumour formation									
Cell no. of inoculation	10x10⁴ WT	10x10⁴ OE	2x10⁴ WT	2x10⁴ OE	0.5x10⁴ WT	0.5x10⁴ OE	0.1x10⁴ WT	0.1x10⁴ OE	p-values
Day4	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	-
Day7	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	-
Day11	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	-
Day14	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	-
Day18	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	0% (0 of 8)	-
Day21	13% (1 of 8)	63% (5 of 8)	0% (0 of 8)	38% (3 of 8)	0% (0 of 8)	13% (1 of 8)	0% (0 of 8)	0% (0 of 8)	2.09E-03
Day25	38% (3 of 8)	100% (8 of 8)	0% (0 of 8)	88% (7 of 8)	0% (0 of 8)	63% (5 of 8)	0% (0 of 8)	38% (3 of 8)	3.16E-09
Day28	75% (6 of 8)	100% (8 of 8)	38% (3 of 8)	100% (8 of 8)	25% (2 of 8)	100% (8 of 8)	0% (0 of 8)	88% (7 of 8)	1.28E-10
Day32	100% (8 of 8)	100% (8 of 8)	88% (7 of 8)	100% (8 of 8)	63% (5 of 8)	100% (8 of 8)	13% (1 of 8)	88% (7 of 8)	2.19E-04

Figure S2 (related to Figure 1).

(A) Schematic illustration of *in vivo* experiments investigating the tumorigenic effect of DCLK1-B on the first-generation and second-generation xenograft tumors (left), and growth curves of first tumor generation (right). For first *in vivo* tumor generation, DCLK1-B WT and DCLK1-B OE HCT116 cells ($1x10^6$ cells/mouse mixed with Matrigel) were injected into the inguinal folds of NSG mice. Mice were tracked for 35 days after the subcutaneous injection (n = 12 mice per each group). (B) Final volume and weight of first generation tumors at 35 days post-injection. (C) and (D) After 35 days, first generation xenografted tumors were removed and dissociated into single cells to reinject into NSG mice ($10x10^4$, $2x10^4$, $0.5x10^4$, $0.1x10^4$, n = 8/group) for *in vivo* LDA. The regrowth of tumors was monitored for 32 days. On day 32 after reinjection, mice were sacrificed and the incidence of tumor-bearing mice was determined. (C) *In vivo* LDA comparing the tumor-repopulating potential between DCLK1-B WT and DCLK1-OE inoculations. Statistical significance was determined by the extreme LDA webtool (http://bioinf.wehi.edu.ac/software/elda). (D) Second generation tumor growth was monitored for 32 days and at 32 days post-reinjection, final tumor volumes were compared. (E) Quantitative analysis of metastatic burden in microscopic level. The data are presented as the means ± SEMs. *** indicates $p < 0.001$. Statistical significance was determined by unpaired two-tailed Student's t tests for comparisons between two groups and by two-way repeated-measures ANOVA followed by the Bonferroni post hoc test for multiple comparisons of tumor growth over time.

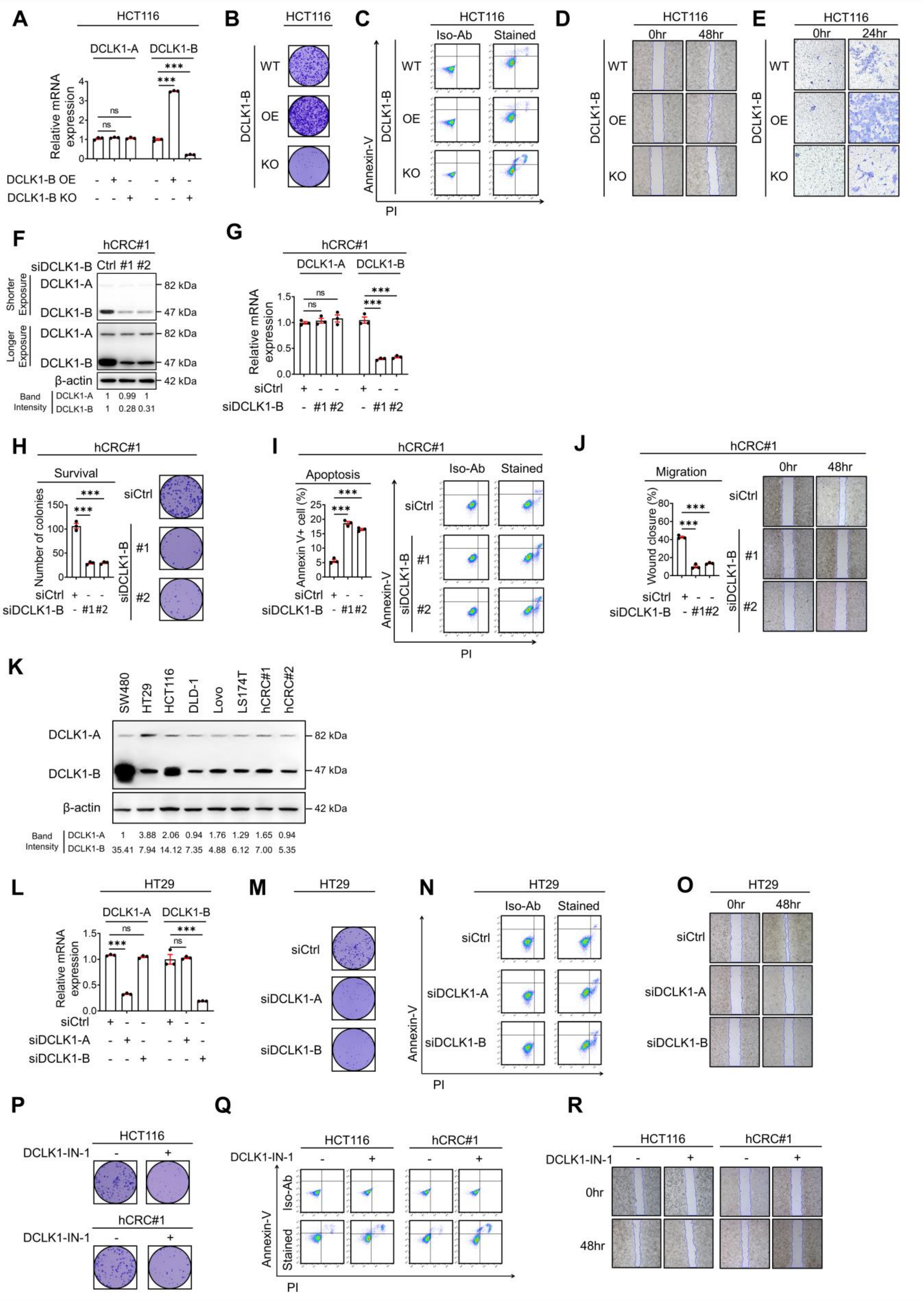

A
HCT116
DCLK1-A
DCLK1-B
Relative mRNA expression
DCLK1-B OE
DCLK1-B KO
B
HCT116
DCLK1-B
WT
OE
KO
C
HCT116
Iso-Ab
Stained
Annexin-V
PI
D
HCT116
0hr
48hr
E
24hr
F
hCRC#1
siDCLK1-B Ctrl #1 #2
Shorter Exposure
Longer Exposure
82 kDa
47 kDa
β-actin
42 kDa
Band Intensity
DCLK1-A 1 0.99 1
DCLK1-B 1 0.28 0.31
G
siCtrl
H
Survival
Number of colonies
I
Apoptosis
Annexin V+ cell (%)
J
Migration
Wound closure (%)
K
SW480
HT29
DLD-1
Lovo
LS174T
hCRC#2
DCLK1-A 1 3.88 2.06 0.94 1.76 1.29 1.65 0.94
DCLK1-B 35.41 7.94 14.12 7.35 4.88 6.12 7.00 5.35
L
siDCLK1-A
M
N
O
P
DCLK1-IN-1
Q
R

Figure S3 (related to Figure 2).

(A) Altered expression of DCLK1-A and DCLK1-B upon DCLK1-B OE and KO (n = 3 biological replicates). (B)-(E) Representative images of altered biological functions upon DCLK1-B OE and KO in HCT116 cell lines. (B) Representative image of surviving colonies from clonogenic assay. (C) Representative flow cytometry 2D scatter plots showing cells doubly stained with PI and Annexin-V for apoptotic analysis. The gates were established by staining with corresponding isotype antibody. (D) Representative images of wound closure assay 0 h and 48 h after IBIDI detachment. (E) Representative images of invasion assay at the time point of 24 h. (F) Immunoblot of DCLK1-A and DCLK1-B expression upon DCLK1-B KD by siRNA transfection. (G) Altered mRNA expression of DCLK1-A and DCLK1-B upon siDCLK1-B transfection in hCRC#1 cell lines (n = 3 biological replicates). (H)-(J) Representative images of altered biological functions upon DCLK1-B expression in hCRC#1 cells. (H) Representative image of surviving colonies from clonogenic assay. (I) Representative flow cytometry 2D scatter plots showing cells doubly stained with PI and Annexin-V for apoptotic analysis. The gates were established by staining with corresponding isotype antibody. (J) Representative images of wound closure assay 0 h and 48 h after IBIDI detachment. (K) Immunoblot of DCLK1-A and DCLK1-B expression in human colorectal cell lines (SW480, HT29, HCT116, DLD1, Lovo and LS174T) and colorectal patient-derived cell lines (hCRC#1 and hCRC#2). (L) Relative mRNA expression of DCLK1-A and DCLK1-B in HT29 cells upon siDCLK1-A or siDCLK1-B transfection (n = 3 biological replicates). (M)-(O) Representative images of altered biological functions upon alteration of DCLK1-A and DCLK1-B expression in HT29 cells (n = 3 biological replicates). (M) Surviving colonies from clonogenic assay. (N) Flow cytometry 2D scatter plots (right) showing cells doubly stained with PI and Annexin-V for apoptotic analysis. The gates were established by staining with corresponding isotype antibody. (O) Wound closure assay 0 h and 48 h after IBID detachment. (P) Representative images of surviving colonies from clonogenic assay upon DCLK1-IN-1 treatment (1 μM) in HCT116 (top) and hCRC#1 (bottom) cells. (Q) Representative flow cytometry 2D scatter plots showing HCT116 and hCRC#1 cells doubly stained with PI and Annexin-V for apoptotic analysis upon DCLK1-IN-1 treatment (1 μM). The gates were established by staining with corresponding isotype antibody. (R) Representative images of wound closure assay in HCT116 and hCRC#1 cells 0 h and 48 h after IBIDI detachment upon DCLK1-IN-1 treatment (1 μM). The data are presented as the means ± SEMs. *** indicates $p < 0.001$. Statistical significance was determined by unpaired two-tailed Student's t tests for comparisons between two groups and by one-way ANOVA with Dunnett's multiple comparison test for comparisons among three or more groups.

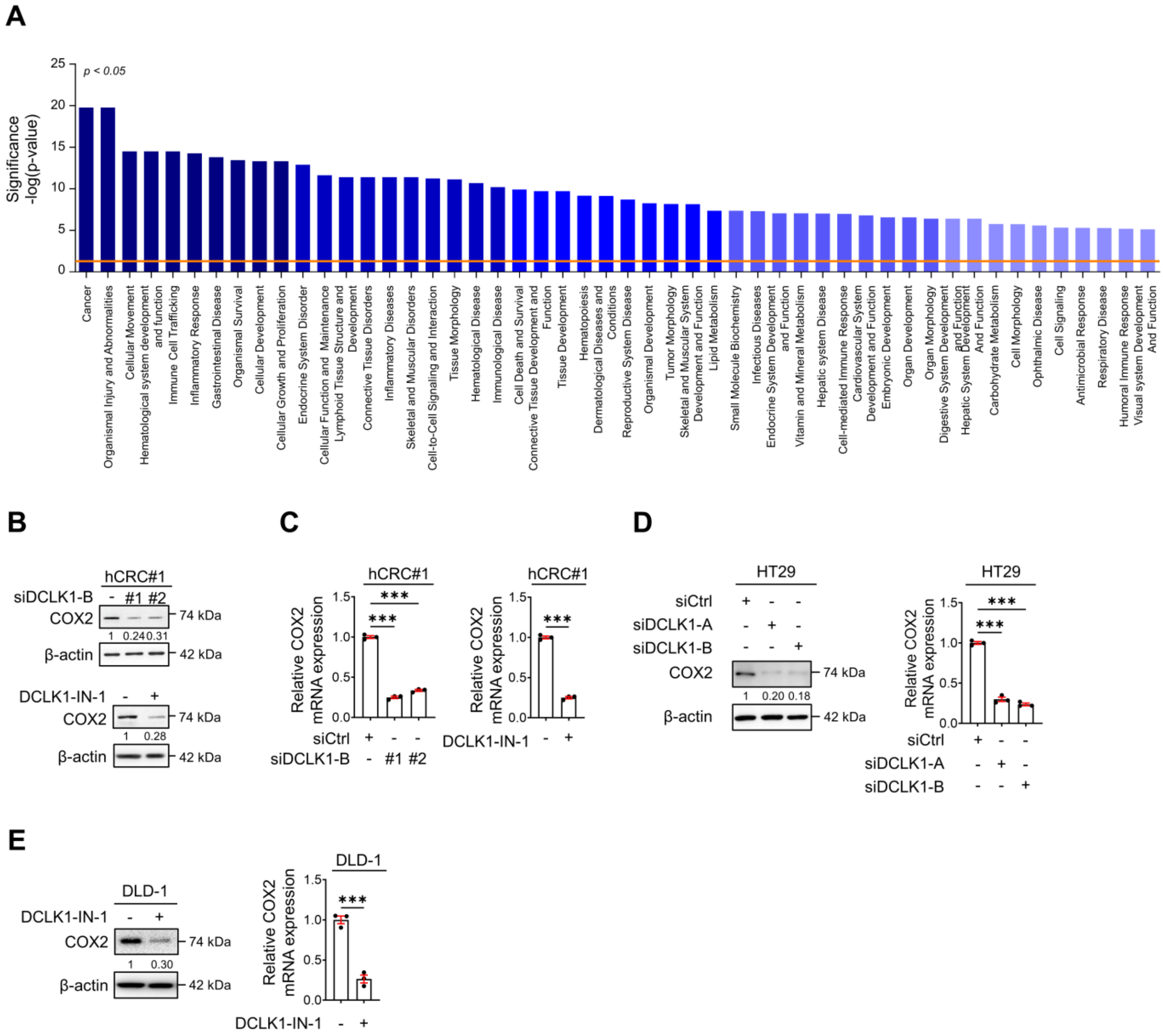


Figure S4 (related to Figure 3).

(A) Disease and function analyses show the top 50 affected categories according to IPA analysis upon DCLK1-B KO. Categories with $p < 0.05$ and |z-score| > 2 were considered statistically significant. (B) Alteration of COX2 expression upon DCLK1-B KD (top) and DCLK1-B kinase domain inhibition (bottom) in hCRC#1 cells. (C) Alteration of COX2 mRNA expression upon DCLK1-B expressional regulation (left) and DCLK1-B kinase domain inhibition (right) (n = 3 biological replicates). (D) Alteration of COX2 expression upon DCLK1-A and DCLK1-B KD in HT29 cells. (n = 3 biological replicates). (E) Alteration of COX2 protein and mRNA expression upon DCLK1-B kinase domain inhibition (1 μM) in DLD-1 cells. The data are presented as the means ± SEMs. *** indicates $p < 0.001$. Statistical significance was determined by unpaired two-tailed Student's t tests for comparisons between two groups and by one-way ANOVA with Dunnett's multiple comparison test for comparisons among three or more groups.

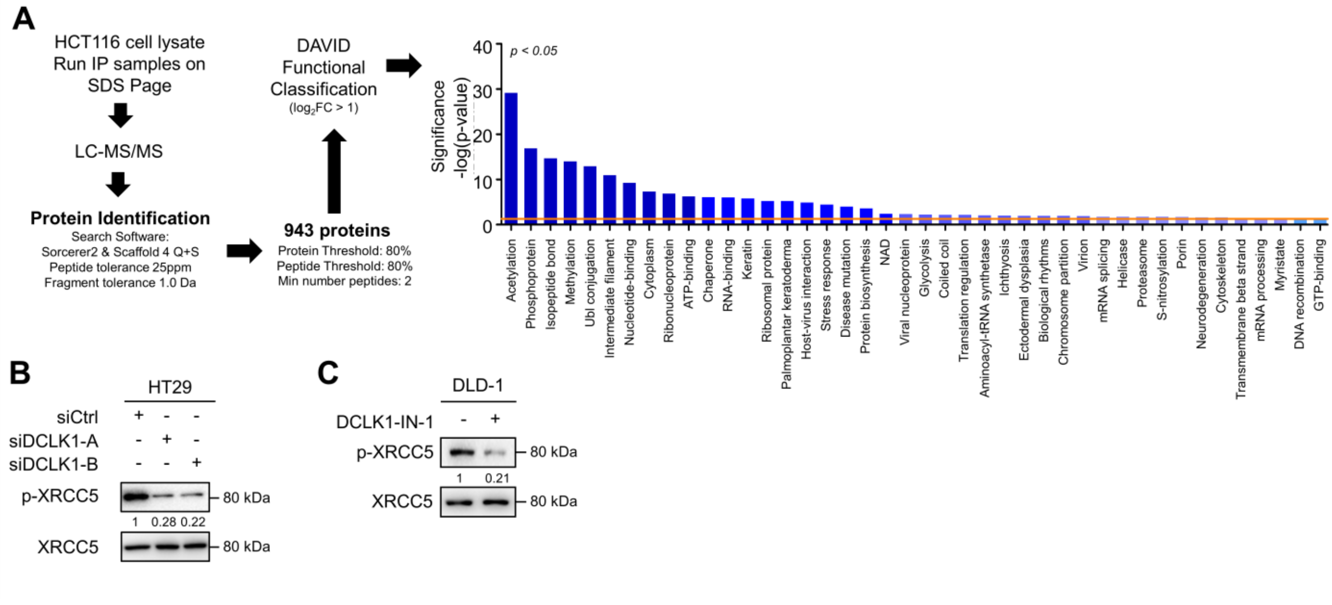


Figure S5 (related to Figure 3).

(A) Schematic flow for identification of DCLK1-B binding proteins based on Co-IP with anti-DCLK1-B monoclonal antibody and subsequent liquid chromatography with tandem mass spectrometry (LC-MS). LC-MS identified a total 943 proteins in the co-IP samples. Functional annotation was performed by DAVID functional classification analysis. Categories with $p < 0.05$ were considered statistically significant. (B) Immunoblot of phospho (p)-XRCC5 and total XRCC5 upon DCLK1-A and DCLK1-B KD independently. (C) Immunoblot of p-XRCC5 and total XRCC5 upon DCLK1-B kinase domain inhibition (1 μM).

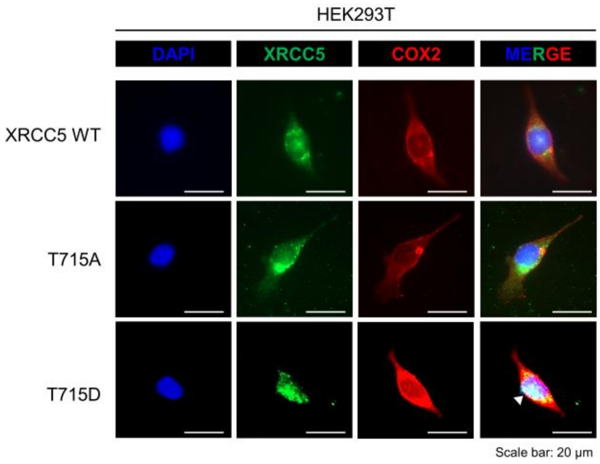


Figure S6 (related to Figure 3).

Immunofluorescence analysis of XRCC5 and COX2 localization upon OE of ectopic WT, non-phosphorylatable (inactive, T715A) and phosphomimetic (active, T715D) XRCC5. Columns show immunofluorescence staining for XRCC5 (green), COX2 (red), and DAPI (blue) with corresponding merged images. Scale bars, 20 µm.

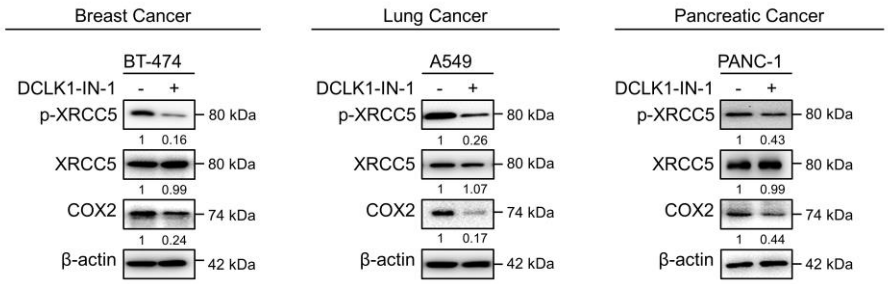


Figure S7 (related to Figure 3).

Immunoblot of COX2, p-XRCC5 and XRCC5 upon DCLK1-IN-1 treatment (1 μM) in various cancer cell lines; breast cancer cell line (BT-474), lung cancer cell line (A549) and pancreatic cancer cell line (PANC-1). Relative band intensity of target protein was normalized to β-actin as fold of the non-treated group.

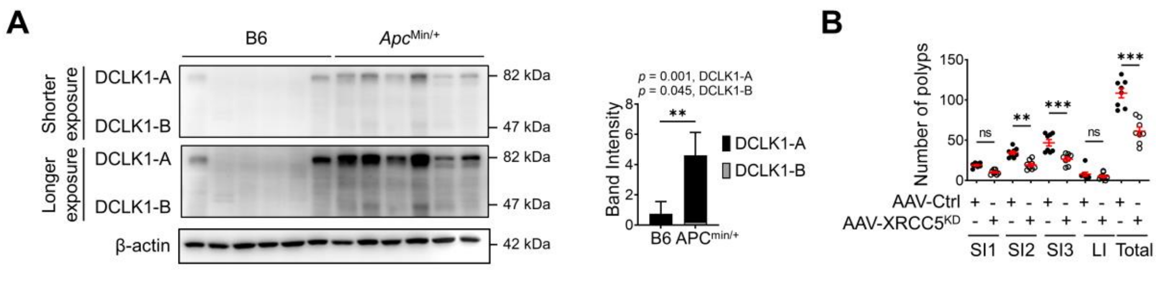


Figure S8 (related to Figure 4).

(A) Immunoblot of DCLK1-A and DCLK1-B expression in the intestine of B6 and *Apc*$^{\mathrm{Min/+}}$ mice. Quantification of band intensity is shown in the bar graph. (B) Frequencies of polyp formation in each section of intestine (SI, small intestine; LI, large intestine) from both AAV-Ctrl and AAV-XRCC5$^{\mathrm{KD}}$ groups are presented along with total number of polyps (n = 9 for both AAV-Ctrl and AAV-XRCC5$^{\mathrm{KD}}$). The data are presented as the means ± SEMs. *, ** and *** indicate $p < 0.05$, $p < 0.01$, and $p < 0.001$, respectively. Statistical significance was determined by unpaired two-tailed Student's t tests for comparisons between two groups and one-way ANOVA with Dunnett's multiple comparison test for comparisons among three or more groups.

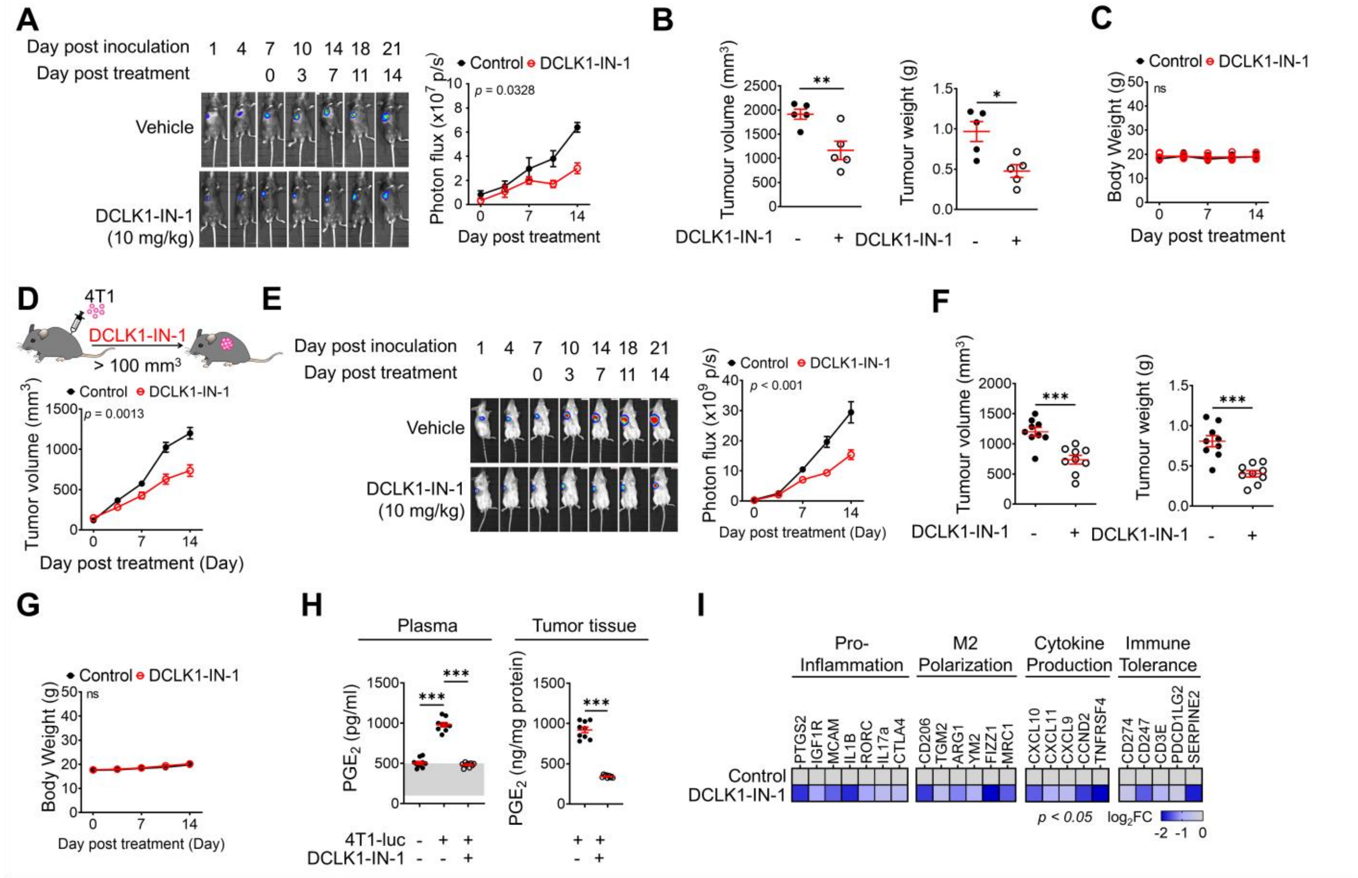


Figure S9 (related to Figure 4).

(A) *In vivo* imaging and graphing of tumor growth. (B) After 14 days of treatment, final volume and weight of tumors were measured and compared between the vehicle and DCLK1-IN-1 treated group. (C) Body weight was measured throughout DCLK1-IN-1 treatment to monitor any adverse effects. (D) Schematic illustration of *in vivo* experiments investigating the therapeutic effect of DCLK1-IN-1 in breast cancer syngeneic model. Luciferase-labeled 4T1 cells ($1x10^5$ cells/mouse mixed with Matrigel) were injected into BALB/c mice prior to treatment. Once the mean volume of xenograft tumors reached 100 mm^3, 10mg/kg of DCLK1-IN-1 was administered daily. Resultant growth of tumors were tracked for a total of 21 days (14 days post treatment). (n = 8 for both the vehicle and DCLK1-IN-1 treated group). (E) *In vivo* imaging and graphing of tumor growth. (F) After 14 days of treatment, final volume and weight of tumors were measured and compared between the vehicle and DCLK1-IN-1 treated groups. (G) Body weight was measured throughout DCLK1-IN-1 treatment to monitor any adverse effects. (H) Level of PGE_2 in plasma and tumor tissue. Plasma was collected from naïve BALB/c and tumor-bearing BALB/C mice. Tumor tissues were collected from vehicle and DCLK1-IN-1-treated tumor-bearing mice. (n = 8 biological replicates). (I) RT-qPCR heat map of relative expression of pro-inflammation, M2 polarization, cytokine production, and immune tolerance-related genes in vehicle and DCLK1-IN-1-treated mice. The data are presented as the means ± SEMs. *, ** and *** indicate $p < 0.05$, $p < 0.01$, and $p < 0.001$, respectively. Statistical significance was determined by unpaired two-tailed Student's t tests for comparisons between two groups, one-way ANOVA with Dunnett's multiple comparison test for comparisons among three or more groups, and two-way repeated-measures ANOVA followed by the Bonferroni post hoc test for comparison of tumor metastasis over time.

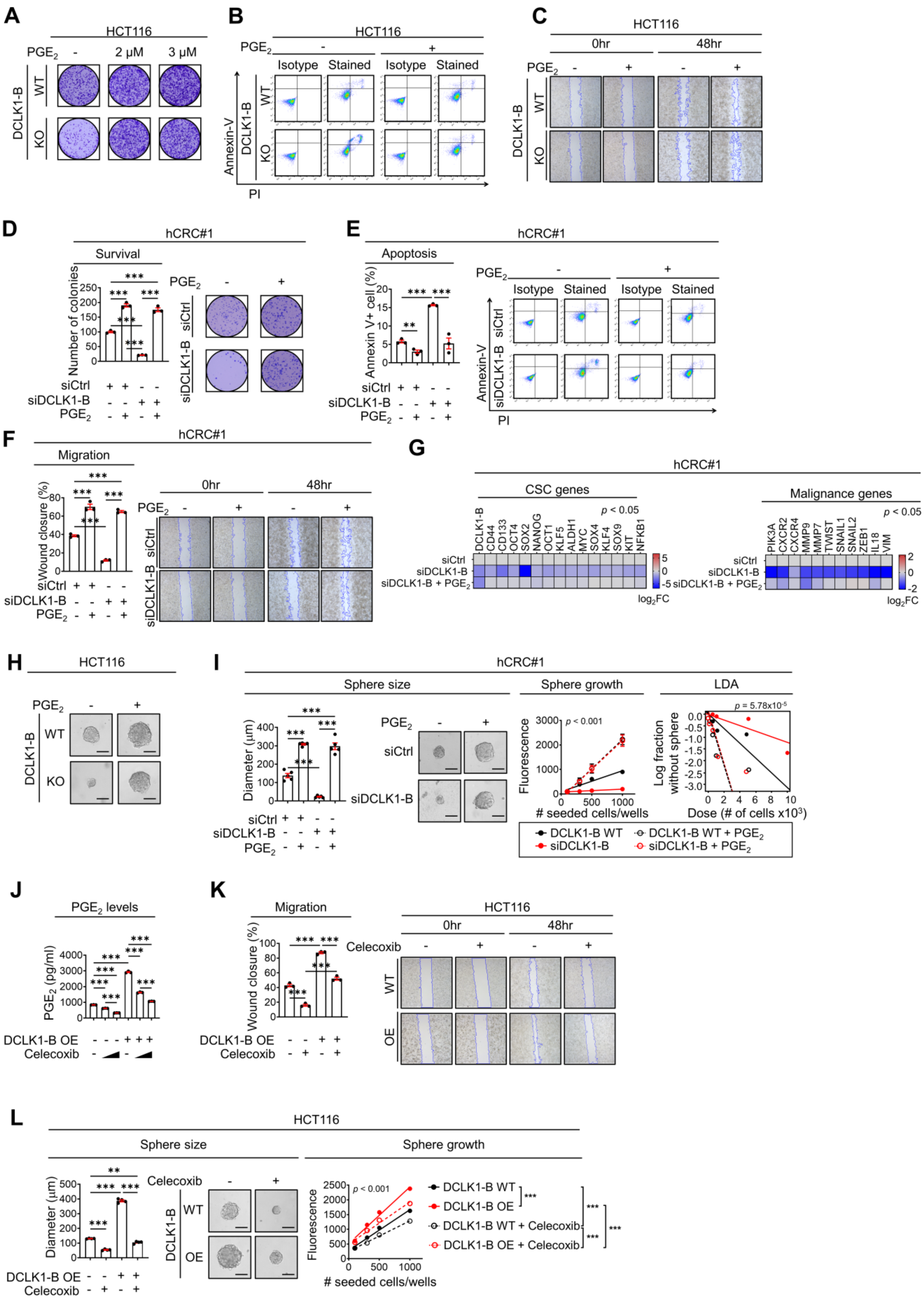

A
HCT116
PGE2 - 2 μM 3 μM
DCLK1-B WT KO
B
HCT116
PGE2 - +
Isotype Stained Isotype Stained
Annexin-V DCLK1-B WT KO
PI
C
HCT116
0hr 48hr
PGE2 - + - +
DCLK1-B WT KO
D
hCRC#1
Survival
Number of colonies
siCtrl
siDCLK1-B
PGE2
E
Apoptosis
Annexin V+ cell (%)
PGE2 - +
Isotype Stained Isotype Stained
Annexin-V siCtrl siDCLK1-B
PI
F
hCRC#1
Migration
Wound closure (%)
0hr 48hr
G
hCRC#1
CSC genes
p < 0.05
DCLK1-B CD44 CD133 OCT4 SOX2 NANOG OCT1 KLF5 ALDH1 MYC SOX4 KLF4 SOX9 KIT NFKB1
siCtrl
siDCLK1-B
siDCLK1-B + PGE2
log2FC
Malignance genes
PIK3A CXCR2 CXCR4 MMP9 MMP7 TWIST SNAIL1 SNAIL2 ZEB1 IL18 VIM
H
HCT116
PGE2 - +
DCLK1-B WT KO
I
hCRC#1
Sphere size
Sphere growth
LDA
Diameter (μm)
Fluorescence
p < 0.001
# seeded cells/wells
p = 5.78x10-5
Log fraction without sphere
Dose (# of cells x10³)
DCLK1-B WT
siDCLK1-B
DCLK1-B WT + PGE2
siDCLK1-B + PGE2
J
PGE2 levels
PGE2 (pg/ml)
DCLK1-B OE
Celecoxib
K
Migration
Wound closure (%)
HCT116
0hr 48hr
Celecoxib
WT OE
L
HCT116
Sphere size
Sphere growth
Diameter (μm)
Celecoxib
DCLK1-B WT OE
Fluorescence
p < 0.001
seeded cells/wells
DCLK1-B WT
DCLK1-B OE
DCLK1-B WT + Celecoxib
DCLK1-B OE + Celecoxib

Figure S10 (related to Figure 5).

(A)-(C) Representative images of altered biological functions upon PGE_2 treatment of DCLK1-B WT and KO HCT116 cells (n = 3 biological replicates). (A) Representative image of surviving colonies from clonogenic assay. (B) Representative flow cytometry 2D scatter plots showing cells doubly stained with PI and Annexin-V for apoptotic analysis. The gates were established by staining with corresponding isotype antibody. (C) Representative images of wound closure assay at 0 h and 48 h after IBID detachment. (D)-(F) Quantitative analysis (left) and representative images (right) of altered biological functions upon PGE_2 treatment and siDCLK1-B in hCRC#1 cells (n = 3 biological replicates). (D) Representative image of surviving colonies from clonogenic assay. (E) Representative flow cytometry 2D scatter plots showing cells doubly stained with PI and Annexin-V for apoptotic analysis. The gates were established by staining with corresponding isotype antibody. (F) Representative images of wound closure assay 0 h and 48 h after IBIDI detachment. (G) RT-qPCR heat map of relative expression of CSC genes and malignance genes comparing siCtrl, siDCLK1-B, and siDCLK1-B + PGE_2 groups. (H) Representative images of sphere forming assay. (I) Stemness was investigated with various methods, e.g., measuring sphere size, sphere growth, and sphere-forming potential. Sphere size was analyzed by diameter and fold of the mean value of siCtrl; growth was analyzed by cell titer blue quantification; Statistical significance was determined by one-way ANOVA with Dunnett's multiple comparison test and two-way repeated-measures ANOVA followed by Bonferroni post-test (n = 4 biological replicates). Sphere-forming potential was analyzed by *in vitro* LDA. *p* values indicate overall statistical significance of differences in stem cell frequencies between any of the groups. (J)-(L) Representative images of altered biological upon COX2 inhibitor, celecoxib treatment of DCLK1-B WT and OE HCT116 cells (n = 3 biological replicates). (J) *In vitro* ELISA showing the amount of PGE_2 secreted into the cell culture medium. (K) Representative images of wound closure assay at 0 h and 48 h after IBIDI detachment. (L) Stemness was assessed in DCLK1-B WT and OE HCT116 cells treated with celecoxib (30 μM). *p* values indicate overall statistical significance of differences in stem cell frequencies between any of the groups. The data are presented as the means ± SEMs. *** indicates $p < 0.001$. Statistical significance was determined by unpaired two-tailed Student's t tests for comparisons between two groups and one-way ANOVA with Dunnett's multiple comparison test for comparisons among three or more groups.

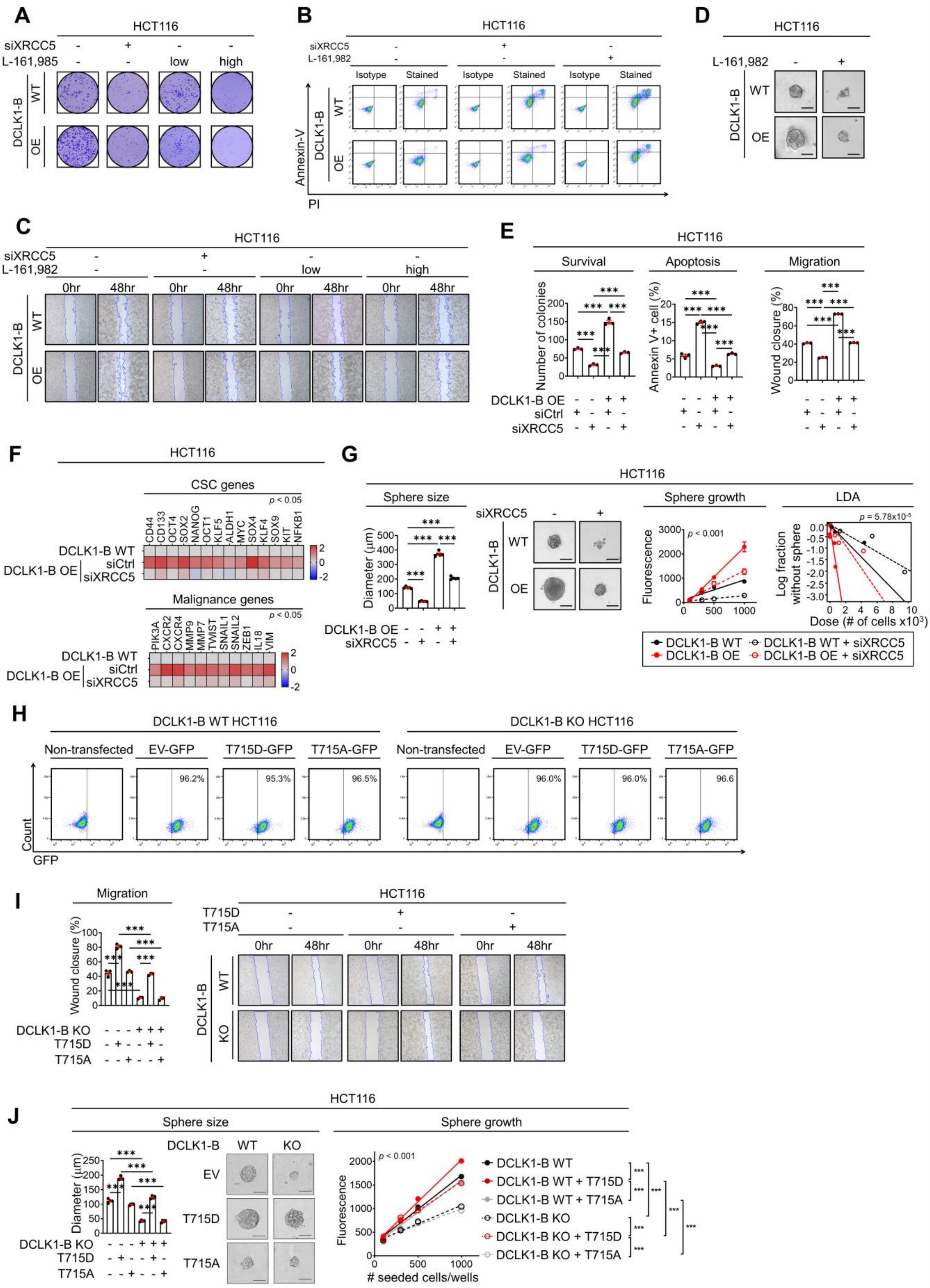
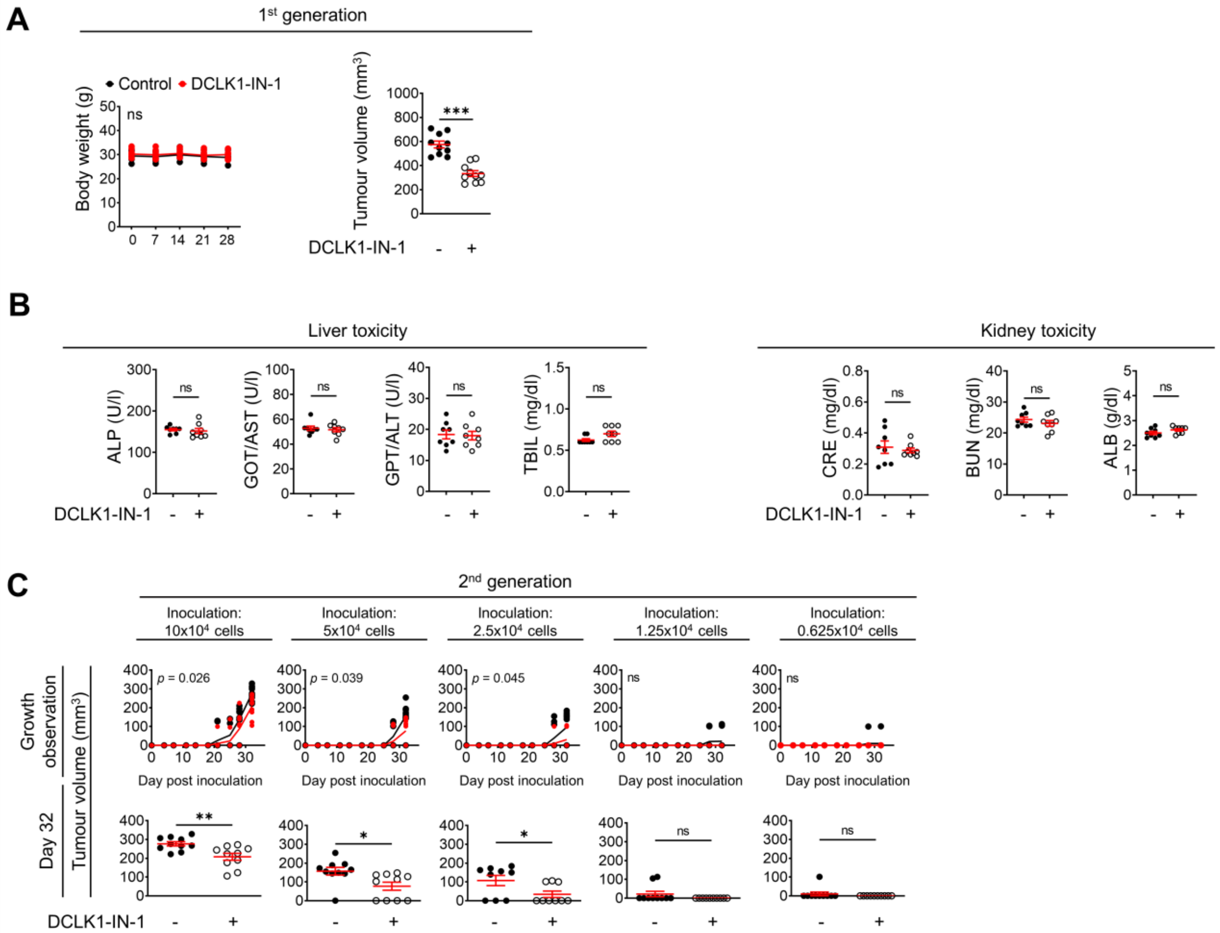

A
HCT116
siXRCC5
L-161,985
low
high
DCLK1-B
WT
OE
B
HCT116
siXRCC5
L-161,982
Isotype
Stained
Annexin-V
PI
D
HCT116
L-161,982
C
HCT116
siXRCC5
L-161,982
0hr
48hr
E
HCT116
Survival
Apoptosis
Migration
Number of colonies
Annexin V+ cell (%)
Wound closure (%)
DCLK1-B OE
siCtrl
siXRCC5
F
HCT116
CSC genes
p < 0.05
CD44 CD133 OCT4 SOX2 NANOG OCT1 KLF5 ALDH1 MYC SOX4 KLF4 SOX9 KIT NFKB1
DCLK1-B WT
siCtrl
DCLK1-B OE
siXRCC5
Malignance genes
PIK3A CXCR2 CXCR4 MMP9 MMP7 TWIST SNAIL1 SNAIL2 ZEB1 IL18 VIM
G
HCT116
Sphere size
Diameter (μm)
Sphere growth
Fluorescence
p < 0.001
LDA
p = 5.78x10-5
Log fraction without sphere
Dose (# of cells x10³)
DCLK1-B WT
DCLK1-B OE
DCLK1-B WT + siXRCC5
DCLK1-B OE + siXRCC5
H
DCLK1-B WT HCT116
DCLK1-B KO HCT116
Non-transfected
EV-GFP
T715D-GFP
T715A-GFP
96.2%
95.3%
96.5%
96.0%
96.0%
96.6
Count
GFP
I
Migration
Wound closure (%)
HCT116
DCLK1-B KO
T715D
T715A
0hr
48hr
KO
J
HCT116
Sphere size
Sphere growth
Diameter (μm)
EV
Fluorescence
seeded cells/wells
DCLK1-B WT
DCLK1-B WT + T715D
DCLK1-B WT + T715A
DCLK1-B KO
DCLK1-B KO + T715D
DCLK1-B KO + T715A

Figure S11 (related to Figure 5).

(A)-(D) Representative images of altered biological functions upon upon KD of XRCC5 and inhibition of PGE_2 signaling. Statistical significance was determined by the one-way ANOVA with Dunnett's multiple comparison test (n = 3 biological replicates). (A) Representative images of surviving colonies from clonogenic assay. (B) Representative flow cytometry 2D scatter plots showing cells doubly stained with PI and Annexin-V for apoptotic analysis. The gates were established by staining with corresponding isotype antibody. (C) Representative images of sphere forming assay. (D) Representative images of wound closure assay 0 h and 48 h after IBIDI detachment. (E) A set of biological function assays representing the effect of altering the DCLK1/XRCC5 axis on cancer cell survival, apoptosis, and migration. (F) RT-qPCR heat map of relative expression of CSC genes and malignance genes comparing DCLK1 WT, DCLK1-B OE + siCtrl, and DCLK1-B OE + siXRCC5 groups (n = 3 biologically replicates). (G) Stemness was investigated with various methods, e.g., measuring sphere size, sphere growth, and sphere-forming potential. Sphere size were analyzed by diameter and fold of the mean value of siCtrl; growth was analyzed by cell titer blue quantification; sphere-forming potential was analyzed by *in vitro* LDA. *p* values indicate overall statistical significance of differences in stem cell frequencies between any of the groups. (H)-(J) Aggressive behaviour of CRC cells were investigated using phosphomimetic active XRCC5 (T715D) or phosphorylatable inactive XRCC5 (T715A) in DCLK1-B WT and KO HCT116 cells. (H) Establishment of phosphor-mutant XRCC5 overexpressing DCLK1-B WT and DCLK1-B KO HCT116 cell lines. Transfection efficiency was confirmed by GFP expression. (I) Quantities analysis and representative images of wound closure assay. (J) Stemness was assessed in DCLK1-B WT and OE HCT116 cells transfected with different mutant form of XRCC5, active and inactive. *p* values indicate overall statistical significance of differences in stem cell frequencies between any of the groups. The data are presented as the means ± SEMs. *** indicates $p < 0.001$. Statistical significance was determined by unpaired two-tailed Student's t tests for comparisons between two groups and one-way ANOVA with Dunnett's multiple comparison test for comparisons among three or more groups and two-way repeated-measures ANOVA followed by the Bonferroni post hoc test for comparisons of sphere growth.



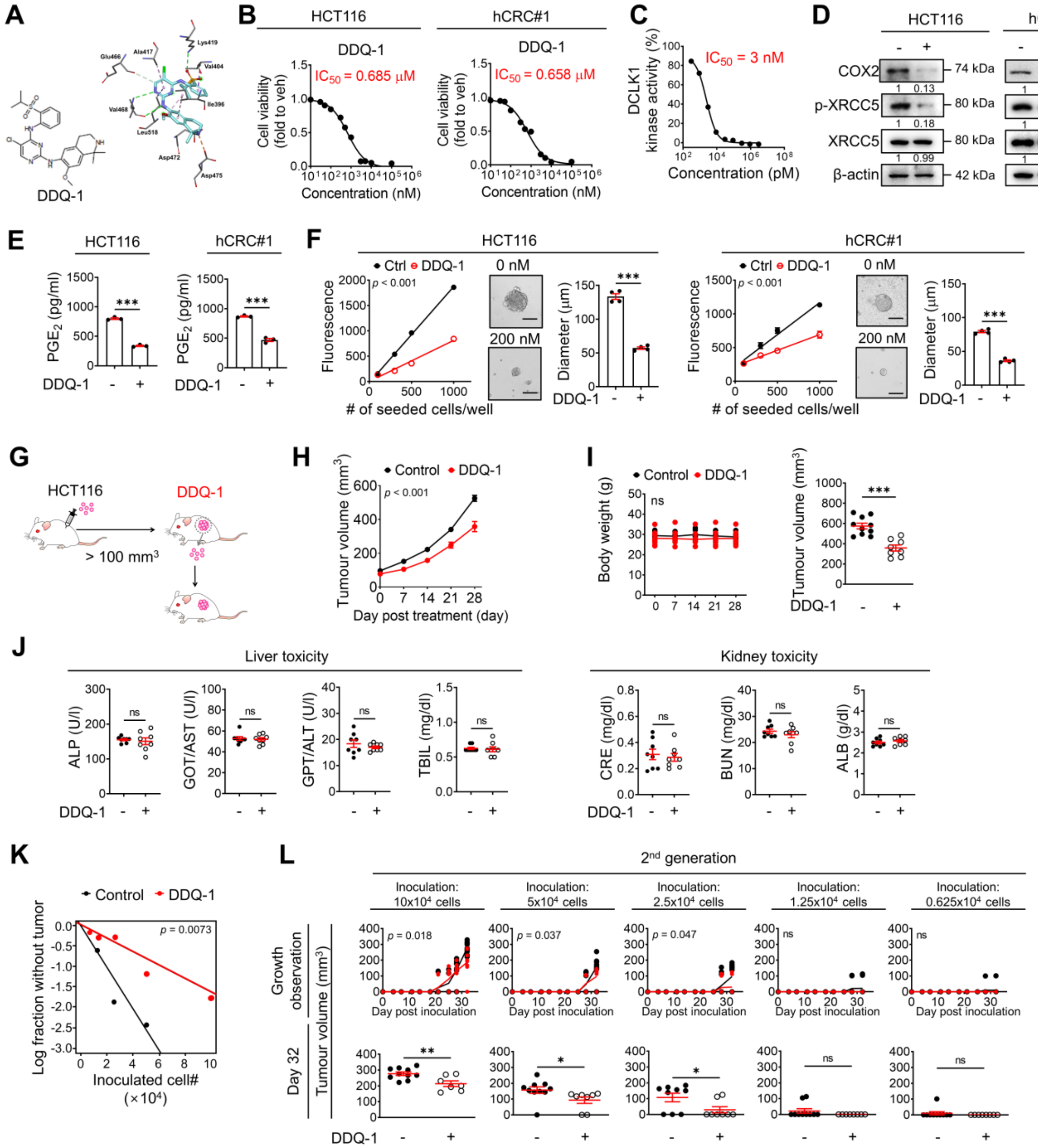
Frequency of tumour formation

	10x104		5x104		2.5x104		1.25x104		0.625x104		p-values
	Control	DCLK1-IN-1	Control	DCLK1-IN-1	Control	DCLK1-IN-1	Control	DCLK1-IN-1	Control	DCLK1-IN-1	
Day0	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	-
Day4	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	-
Day7	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	-
Day11	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	-
Day14	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	-
Day18	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	-
Day21	**20%** (2 of 10)	**10%** (1 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	-
Day25	**40%** (4 of 10)	**10%** (1 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	**0%** (0 of 10)	
Day28	**80%** (8 of 10)	**60%** (6 of 10)	**40%** (4 of 10)	**20%** (2 of 10)	**30%** (3 of 10)	**10%** (1 of 10)	**20%** (2 of 10)	**0%** (0 of 10)	**10%** (0 of 10)	**0%** (0 of 10)	0.0291
Day32	**100%** (10 of 10)	**100%** (10 of 10)	**90%** (9 of 10)	**60%** (6 of 10)	**60%** (6 of 10)	**30%** (3 of 10)	**20%** (2 of 10)	**0%** (0 of 10)	**10%** (1 of 10)	**0%** (0 of 10)	0.0373

Figure S12 (related to Figure 6).

(A) (Left) Body weight was measured throughout DCLK1-IN-1 treatment (n = 8 for each group). (Right) Final tumor volume upon DCLK1-IN-1 treatment. Mice were tracked for a total of 28 days (21 days post-treatment initiation). (B) Serological parameters for detecting liver and kidney toxicity. (C) Tumor growth of second-generation CRC cells was monitored for 32 days, at which time final tumor volumes were compared. Statistical significance was determined by two-way repeated-measures ANOVA followed by Bonferroni post-test for tumor growth and unpaired two-tailed Student's t-tests for tumor volume. *In vivo* LDA comparing the tumor formation frequency between second-generation Ctrl-treated and DCLK1-IN-1-treated cells.

Statistical significance was determined by the extreme LDA webtool (http://bioinf.wehi.edu.ac/software/eld). The data are presented as the means ± SEMs. *, **, and *** indicate $p < 0.05$, $p < 0.01$, and $p < 0.001$, respectively. Statistical significance was determined by unpaired two-tailed Student's t tests for comparisons between two groups and two-way repeated-measures ANOVA followed by the Bonferroni post hoc test for comparison of body weight changes and tumor repopulation.



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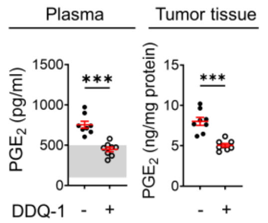

Frequency of tumour formation

	10x104		5x104		2.5x104		1.25x104		0.625x104		p-values
	Control	DDQ-1	Control	DDQ-1	Control	DDQ-1	Control	DDQ-1	Control	DDQ-1	
Day0	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	-
Day4	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	-
Day7	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	-
Day11	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	-
Day14	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	-
Day18	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	-
Day21	**20%** (2 of 10)	**25%** (2 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	-
Day25	**40%** (4 of 10)	**63%** (5 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	**0%** (0 of 10)	**0%** (0 of 8)	
Day28	**80%** (8 of 10)	**88%** (7 of 8)	**40%** (4 of 10)	**50%** (4 of 8)	**30%** (3 of 10)	**25%** (2 of 8)	**20%** (2 of 10)	**0%** (0 of 8)	**10%** (0 of 10)	**0%** (0 of 8)	0.0291
Day32	**100%** (10 of 10)	**88%** (7 of 8)	**90%** (9 of 10)	**75%** (6 of 8)	**60%** (6 of 10)	**25%** (2 of 8)	**20%** (2 of 10)	**0%** (0 of 8)	**10%** (1 of 10)	**0%** (0 of 8)	0.0373

Figure S13 (related to Figure 6).

(A) Docking model of DDQ-1 in the X-ray co-crystal structure of the DCLK1 kinase domain. (B) Cell viability and cytotoxic IC_{50} were determined by the MTT assay after 48 h treatment with DDQ-1 in HCT116 and hCRC#1 cells (n = 5 biological replicates). (C) A radiometric protein kinase assay was performed to determine the IC_{50} of DDQ-1 for kinase activity inhibition via scintillation counting. (D) Immunoblot of COX2, p-XRCC5 and XRCC5 upon DDQ-1 treatment. Relative band intensity of target protein was normalized to β-actin as fold of the non-treated group. (E) Level of PGE_2 altered by DDQ-1 treatment. Cell culture media was collected and the level of PGE_2 was measured by *in vitro* ELISA (n = 5 biological replicates). (F) Stemness was investigated with various methods, e.g., measuring sphere growth and sphere size. Sphere growth was analyzed by cell titer blue quantification while size was analyzed by measuring diameter and fold of the mean value of Ctrl. (G) Schematic illustration of the protocol for *in vivo* treatment with DDQ-1. HCT116 cells ($1x10^6$ cells mixed with Matrigel/mouse) were injected subcutaneously into the inguinal folds of NSG mice prior to treatment. Once the mean volume of the xenograft tumors reached 100 mm^3, 10 mg/kg of DDQ-1 was administered daily. Mice were tracked for 32 days after DCLK1 inhibitor injection (n = 8 mice per group). (H) Growth curves of the first tumor generation between the Ctrl and DDQ-1 treatment group. (I) (Left) Body weight was measured throughout DDQ-1 treatment (n = 8 for each group). (Right) Final tumor volume upon DDQ-1 treatment. Mice were tracked for a total of 28 days (21 days post-treatment initiation). (J) Serological parameters for detecting liver and kidney toxicity. (K) Tumor re-populating potential of the second generation was compared between Ctrl and DDQ-1 treated group. (L) *In vivo* LDA comparing the tumor formation frequency between second-generation Ctrl-treated and DDQ-1-treated cells. Statistical significance was determined by the extreme LDA webtool (http://bioinf.wehi.edu.ac/software/eld). (M) Levels of PGE_2 in plasma and tumor tissue. Plasma and tumor tissues were collected from ctrl- and DDQ-1 treated B6 tumor-bearing mice. The estimated normal range of the plasma PGE_2 level was determined by the values obtained in naïve mice (shaded in gray). The data are presented as the means ± SEMs. *** indicates $p < 0.001$. Statistical significance was determined by unpaired two-tailed Student's t-tests for comparisons between two groups and by two-way repeated-measures ANOVA followed by the Bonferroni post hoc test for comparison of sphere growth over time, *in vivo* body weight changes and *in vivo* tumor growth.

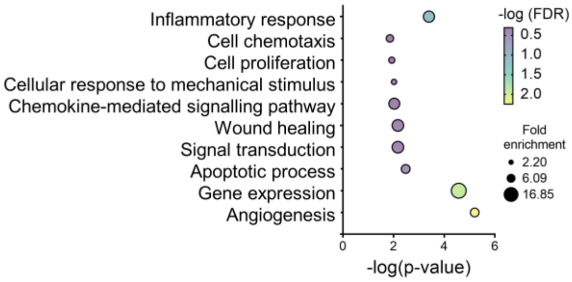

Figure S14.

KEGG analysis of pathways enriched in DCLK1-B WT cells compared to DCLK1-B KO HCT116 cells from RNA sequencing profiles.

Table S1. Clinical information of CRC patient samples used for establishing patient-derived primary CRC cells and association of clinicopathologic characteristics in patients with resected colon cancer (n = 123)

Primary tumour cells from CRC patient tissues

Cell lines	Sex	Age	Diagnosis	Surgical stage	Pathological diagnosis			
					K-ras	EGFR	P53	MS
hCRC#1	M	45	Perforated S colon cancer with liver and lung metastasis	T4aN2bM1	Wild	Mutation	Positive	MSS
hCRC#2	M	84	Proximal a-colon cancer with liver metastasis	T3N1M1	Wild	Mutation	Positive	MSS

Clinicopathological analysis of CRC patients (n = 123)

Variable	Low (< 50%, n = 62)	High (> 50%, n = 61)	*p*-value
T stage			
T2-3	59 (95.2%)	46 (75.4%)	**0.003**
T4	3 (4.8%)	15 (24.6%)	
N stage			
N0	35 (56.5%)	28 (45.9%)	0.171
N1	18 (29.0%)	19 (31.1%)	
N2	9 (14.5%)	14 (23.0%)	
TNM stage			
II	35 (56.5%)	28 (45.9%)	0.096
III	27 (43.5%)	33 (54.1%)	
Recurrence			
Yes	5 (8.1%)	12 (19.7%)	**0.021**
No	57 (85.5%)	49 (80.3%)	

Table S2. List of DEGs in DCLK1-high versus DCLK1-low tumors from patients with CRC

Attached as a separate Excel file.

Table S3. List of DEGs in DCLK1-B WT versus DCLK1-B KO HCT116 cells

Attached as a separate Excel file.

Table S4. List of DCLK1-binding proteins identified by co-IP and subsequent LC-MS analysis.

Attached as a separate Excel file.

Table S5. List of primers used for real-time RT-qPCR or ChIP assay

Primer List		
Gene	Forward	Reverse
hPPIA	TGCCATCGCCAAGGAGTAG	TGCACAGACGGTCACTCAAA
hDCLK1-A	GGAGTGGTGAAACGCCTGTAC	GGTTCCATTAACTGAGCTGG
hDCLK1-B	ACACTAAGACTGTGTCCATGTTAGAACTC	AAGCCTTCCTCCGACACTTCT
hXRCC5	GGTTTTCTTTAAGTGGGGTGGG	GCAGAGATTGGGCCAAAAGG
hCOX2	CCCACCCATGTCAAAACCGA	TCCAAAATCCCTTGAAGTGG
hCD44	GGAGCAGCACTTCAGGAGGTT	GGAATGTGTCTTGGTCTCTGGTAGC
hCD133	CAGAGTACAACGCCAAACCA	AAATCACGATGAGGGTCAGC
hOCT4	GGGCTCTCCCATGCATTCAAAC	CACCTTCCCTCCAACCAGTTGC
hSOX2	TCGGCAGACTGATTCAAATA	CCATGCAGGTTGACACCGTT
hNANOG	TGGGATTTACAGGCGTGAGCCAC	AAGCAAAGCCTCCCAATCCCAAAC
hOCT1	CCCTGTCTCAGCCCATACAGA	GCTGCAAATTGGTGGTTGGAT
hKLF5	CCCTTGCACATACACAATGC	GGATGGAGGTGGGGTTAAAT
hALDH1A1	CAAATAGTGCACTGTCTCCAGG	ACGACACTACTTATTGTAACACCT
hMYC	CAAGTATACGTGGCAATGCGT	TCAAGAGTCCCAGGGAGAG
hSOX4	GGTCTCTAGTTCTTGCACGCTC	CGGAATCGGCACTAAGGAG
hKLF4	ACGATCGTGGCCCCGGAAAAGGACC	CAACAACCGAAAATGCACCAGCCCCAG
hSOX9	CATGAGCGAGGTGCACTCC	TCGCTTCAGGTCAGCCTTG
hKIT	GCCTATCAGCTTCAGAATGGC	CCTGCGAAGGAGGCTAAACC
hNFKB1	TGCCATTGTCTTCAAAACTCCA	GGGCATGAGCTTCTGACGTT
hPIK3CA	CATGCATTGTTTTGCACCCC	ATGGAAGACGGGAGATTCACAT
hCXCR2	ATGCTGTTACGGATCCTGCC	CCCCATGTGGGCCTTAAACA
hCXCR4	AGGAACCCTGTTTCCGTGAAG	GCAGCCTGTACTTGTCCGTC
hMMP9	CGTTCAGGGAGATGCCCATT	TCGTAGTCAGCTGTTGTGCT

hMMP7	TCGGAGGAGATGCTCACTTCGA	GGATCAGAGGAATGTCCCATACC
hTWIST	CCTGCGCAAGATCATCCCCA	GCTGCAGCTTGCCATCTTGGA
hSNAIL1	CTGGGTGCCCTCAAGATGCA	CCGGACATGGCCTTGTAGCA
hSNAIL2	TACCGCTGCTCCATTCCACG	CATGGGGGTCTGAAAGCTTGG
hZEB1	CCTACTCAGCCTCCTCCACTC	CCAGTAGCTGATGAAACAGAGGA
hIL18	TTGACCAAGGAAATCGGCCT	GGTCCGGGGTGCATTATCTC
hVIM	ACCCGCACCAACGAGAAGGT	ATTCTGCTGCTCCAGGAAGCG
hTRAF1	CGATGGCACTTTCCTGTGGAAG	TACAGCCGCAGGCACAACTTGT
hCD68	CGAGCATCATTCTTTCACCAGCT	ATGAGAGGCAGCAAGATGGACC
hBIRC3	GCTTTTGCTGTGATGGTGGACTC	CTTGACGGATGAACTCCTGTCC
hCTSD	GCAAACTGCTGGACATCGCTTG	GCCATAGTGGATGTCAAACGAGG
hCXCL3	TTCACCTCAAGAACATCCAAAGTG	TTCTTCCCATTCTTGAGTGTGGC
hNFKBIA	TCCACTCCATCCTGAAGGCTAC	CAAGGACACCAAAAGCTCCACG
hBBC3	ACGACCTCAACGCACAGTACGA	CCTAATTGGGCTCCATCTCGGG
hCXCL8	GAGAGTGATTGAGAGTGGACCAC	CACAACCCTCTGCACCCAGTTT
hTP53BP-1	AAGCCAGGCAAGAGAATGAGGC	GGCTGTTGACTCTGCCTGATTG
hBAX	TCAGGATGCGTCCACCAAGAAG	TGTGTCCACGGCGGCAATCATC
hMMP14	CCTTGGACTGTCAGGAATGAGG	TTCTCCGTGTCCATCCACTGGT
hBCL2L1	GCCACTTACCTGAATGACCACC	AACCAGCGGTTGAAGCGTTCCT
mDCLK1-A	TCAATGAGGACCAGCTCCAG	TCCGAGAGAGTTCGGGTCA
mDCLK1-B	AAGACGTCAGCCTTACGCAG	GAGAGATCCTCTGCTTCCGC
mDCLK1-A,B	AGCGGAGAACCGCATTTCAA	ATCTCTGCCGAACGACATGG
mXRCC5	TCCAATTGAACAAGCAAAGAAAGT	CTTGCCAGCAAGGGCATTATC
mGAPDH	ATGTGTCCGTCGTGGATCTGA	TTGAAGTCGCAGGAGACAACC
mPTGS2	GATGCTCTTCCGAGCTGTG	GGATTGGAACAGCAAGGATTT
mIGF1R	GCCTGACACCGTAGGTCTTT	GGCAAAAATGGCAGCGTGAA
mMCAM	CATAGCGGGCTCTACCAGTG	TCAGGGGCAGTTGGATTCAC
mIL1B	GTCGCTCAGGGTCACAAGAA	GTGCTGCCTAATGTCCCCTT

mRORC	GGGGAGAGCTTTGTGCAGAT	TCAGTAGGGTAGCCCAGGAC
mIL17a	ACTACCTCAACCGTTCCACG	ATGTGGTGGTCCAGCTTTCC
mCTLA4	GTACCTCTGCAAGGTGGAACTC	CCAAAGGAGGAAGTCAGAATCCG
mCD206	GCTGTTCAGCTATTGGACGC	CGGAATTTCTGGGATTCAGCTTC
mTGM2	CCGATCCCCTGTATGACTGC	CCAGCTTGTGGAGGCCAATA
mARG1	GCAGTGGCTTTAACCTTGGC	CTGTGATGCCCCAGATGGTT
mYM2	GTACCCTGGGTCTCGAGGAA	GCAGCCTTGGAATGTGGTTC
mFIZZ1	CTGCTACTGGGTGTGCTTGT	GCAGTGGTCCAGTCAACGAG
mMRC1	GTCAGAACAGACTGCGTGGA	CAGCAGCAGTCTCGATGGAA
mCXCL10	TAACTGGAGTGAAGCCACGC	TAGCAGCTGATGTGACCACG
mCXCL11	CCACGCTACCTTCTGTGGTT	ATGTTCGTGTGCCTCGTGAT
mCXCL9	CTGGGCAGAAGTTCCGTCTT	TTACCGAAGGGAGGTGGACA
mCCND2	CGTCAAGAGCAGCATAACGC	CGAATGGCTTCCTCACAGGT
mTNFRSF4	AAGGCGGCTCAACTGTGTTA	GGTATGATCACAGCGGCTCA
mCD274	CCAGCCACTTCTGAGCATGA	AAACATCATTCGCTGTGGCG
mCD247	GCAGAAGCCTACAGTGAGATCG	CCAAGGGTCCTTGTGAGTTCTG
mCD3E	TGCCCTCTAGACAGTGACGA	TTGAGGCTGGTGTGTAGCAG
mPDCD1LG2	TGCTGCCGATACTGAACCTG	AGTGCATTCTCTGCGGTCAA
mSERPINE2	AGAGACTCCCTCCCCACATC	TTTCTTCTGACACAGCCCCG
COX2 promoter, ChIP#1	CGTTTTGGACATTTAGCGTCCC	AGCTAAGTTGCTTTCAACAGAAGA
COX2 promoter, ChIP#2	AAGAAACAAGGAGGGGGTGAA	ACGACGCTTAATAGGCTGTATATC
COX2 promoter, ChIP#3	AAGCTATGTATGTATGTGCTGCAT	GGACACTTGGCTTCCTCTCC
COX2	CCCTCTAAAGACGTACAGACCAGA	CTCTCCTGTCTGATCCCTCCC

promoter, ChIP#4		
COX2 promoter, ChIP#5	CGGGCAAAGACTGCGAAGAA	CCCCACAAATTTTTCCCTCCTC
COX2 promoter, ChIP#6	AGCTTCCTGGGTTTCCGATTT	TGGTCGCTAACCGAGAGAAC

H, human; m, mouse.

Table S6. List of short interfering RNAs

	Sense	Antisense
siDCLK1A	GAGGCUUAAUUGACACCUU	AAGGUGUCAAUUAAGCCUC
siDCLK1B#1	CCGUUGGUAUUCAGGUCCA	UGGACCUGAAUACCAACGG
siDCLK1B#2	AUGCAGCCAAGUUACCGUC	GACGGUAACUUGGCUGCAU
siXRCC5#1	GUGGAAUGAAUACACACAU	AUGUGUGUAUUCAUUCCAC
siXRCC5#2	GACUGACCAUUGGCUCCAA	UUGGAGCCAAUGGUCAGUC

Table S7. List of antibodies

Target	Conjugation	Catalog #	Application
Human DCLK1 (total)	-	ab31704 / Abcam	IF
Human DCLK1-B	-	ABC1389 / Sigma-Aldrich	IF
Human EpCam	-	93790S / Cell Signaling Technology	IF
	Alexa488	14-9326-82 / eBioscience™	IF
Mouse DCLK1	-	ab31704 / Abcam	IF
Mouse GFP	-	A-11122 / Invitrogen	IF
Mouse COX2	-	12282S/ Cell Signaling Technology	IF
Mouse XRCC5	-	MA5-12933 / Invitrogen	IF
Mouse p-XRCC5	-	PA5-36720 / Invitrogen	IF
Goat anti-mouse	Alexa488	A32723 / Invitrogen	IF
Goat anti-mouse	Alexa555	A21422 / Invitrogen	IF
Goat anti-rabbit	Alexa405	A-31556 / Invitrogen	IF
Donkey anti-mouse	Alexa488	A-21202 / Invitrogen	IF
Donkey anti-rabbit	Alexa488	A-21206 / Invitrogen	IF
Donkey anti-rabbit	Alexa555	A-31572 / Invitrogen	IF
Donkey anti-goat	Alexa488	A-11055 / Invitrogen	IF
Human DCLK1 (total)	-	ab31704 / Abcam	Immunoblot
Human DCLK1-B	-	ABC1389 / Sigma-Aldrich	Immunoblot
Human XRCC5	-	ab80592 / Abcam	Immunoblot
Human p-XRCC5	-	PA5-38118 / Invitrogen	Immunoblot
Human COX2	-	12282S/ Cell Signaling Technology	Immunoblot
Human β-actin	-	A5316 / Sigma-Aldrich	Immunoblot
Mouse GFP	-	A-11122 / Invitrogen	Immunoblot
Mouse COX2	-	12282S/ Cell Signaling Technology	Immunoblot
Mouse XRCC5	-	ab80592 / Abcam	Immunoblot
Mouse p-XRCC5	-	PA5-36720 / Invitrogen	Immunoblot

Mouse β-actin	-	A5316 / Sigma-Aldrich	Immunoblot
Goat anti-mouse	HRP	554002 / BD Pharmigen™	Immunoblot
Goat anti-rabbit	HRP	554021 / BD Pharmigen™	Immunoblot
Goat anti-mouse, Light chain-specific	HRP	91196S / Cell Signaling Technology	Immunoblot

HRP, horseradish peroxidase; IF, immunofluorescence

Supplementary materials and methods

No statistical methods were used to predetermine sample size. The investigators were not blinded to allocation during experiments and outcome assessment.

Isolating DCLK1-B^{high} and DCLK1-B^{low} HCT116 cells

The green fluorescent protein (GFP) tagged DCLK1-B reporter was constructed by inserting the DCLK1-B promoter sequence acquired from promoter-reporter constructs used in a previous report [1] into pLenti-Promoterless-GFP (Promega, Madison, WI, USA). HCT116 cells were infected with lentiviral particles and selected with puromycin for one week. Dilution cloning was performed to obtain different monoclonal cell populations. Transfection efficiencies of multiple clones were estimated by GFP intensity detection. Then, for further experiments, DCLK1-B^{high} and DCLK1-B^{low} cells were isolated by a fluorescence-activated cell sorting (FACS) Aria instrument (BD Biosciences, Franklin Lakes, NJ, USA) according to the intrinsic level of DCLK1-B, represented by GFP intensity.

Generation of DCLK1 overexpression (OE) and knockout (KO) cell lines

Establishment of DCLK1 OE and KO HCT116 cell lines were achieved as described in our previous report [1]. The DCLK1-B KO HCT116 cell line (NM_01195415.1 in NCBI data base) was generated by Transomic Technologies (Alabama, USA). Two specific guide RNAs (gRNAs) targeting different regions of the human *DCLK1-B* gene were designed and cloned into the pCLIP-All (EFS-Puro) expression vector. gRNAs targeting *DCLK1-B* were as follows; gDCLK1-B (I): CCTGAGCGCGGAGTAGAGAGCT, gDCLK1-B (II): TTGGCGACTTGCCTGAGCGCGG. HCT116 cells were infected with lentiviral particles containing pCLIP-All and selected with puromycin for one week. Dilution cloning was performed to obtain different monoclonal cell populations. The KO efficiencies of multiple clones were estimated by real-time PCR analysis, and then we selected a single clone showing the most potent KO efficiency from each gRNA sequence. These two clones generated from two different sequences were subjected to western blot analysis for validating protein ablation. The two validated clones were used for further experiments. DCLK1-B OE vector (NM_00119541.1, cat # EX-Z8538-M68) and control empty vector (cat # EX-NEG-M68) were purchased from GeneCopoeia^{TM} (Rockville, MD, USA). These vectors were transfected by Lipofectamine 2000 (Invitrogen, Carlsbad, CA, USA) according to the manufacturer's recommendations. Dilution cloning was performed to obtain different monoclonal cell populations. The OE efficiency was estimated at both the mRNA level by real-time PCR and the protein level by western blotting.

Generation of XRCC5 mutant cell lines

XRCC5 (NM_021141.4) mutant vectors were generated by inducing mutations at threonine 715 of enhanced GFP-tagged XRCC5-expressing vector, pEGFP-C1-FLAG-KU80 (Addgene, Watertown, MA, USA) [2]. Mutagenesis generating non-phosphorylatable XRCC5 (T715A) and phosphomimetic XRCC5 (T715D) [3] was performed by Macrogene (Seoul, Republic of Korea). For expressional analysis of COX2 reliant to XRCC5 phosphorylation status, HEK293T cells were infected with lentiviral particles expressing wild-type (WT) XRCC5, non-phosphorylatable XRCC5 (T715A), and phosphomimetic XRCC5 (T715D) and selected with G418 for one week. For functional analysis on phosphorylation of XRCC5, DCLK1-B WT and KO HCT116 cells were infected with lentiviral particles expressing mutant forms of XRCC5. The transfection efficiency was estimated at the protein level of eGFP by flow cytometry, and transfected cells were used for further experiments.

Subcutaneous xenograft models

Luciferase-labeled MC-38 cells (C57BL/6J mouse-derived colon carcinoma cell line) or 4T1 cells (Balb/c mouse-derived breast carcinoma cell line) were inoculated subcutaneously into 5-week-old C57BL/6J mice ($5x10^4$ cells/mouse) or Balb/C mice ($1x10^5$ cells/mouse), respectively. Tumor growth was monitored by measuring luciferase activity for 21 days from cell inoculation (14 days from treatment initiation) until necropsy (n = 5 or 8 for each group, respectively). DCLK1 inhibitor (DCLK1-IN-1) was administered daily for the experimental period. After necropsy, tumor volumes were calculated as follows: tumor volume = (length x width^2)/2. Blood was collected from the abdominal vena cava, stored in ethylenediamine tetraacetic acid (EDTA) blood collection tubes, and subjected to PGE2 Elisa Assay (R&D systems, Minneapolis, MN, USA). Age-matched naïve C57BL/6J mice (n = 5) and Balb/C mice (n = 8) were used as the control group. DCLK1 OE HCT116 and wild-type HCT116 cells were inoculated subcutaneously into 8-week-old NSG mice ($1x10^6$ cells/mouse). Tumor growth was monitored and measured for 35 days from cell inoculation until necropsy (n = 8 for each group). Tumor volumes were calculated as stated above.

In vivo limiting dilution assay

In vivo limiting dilution assays (LDAs) were performed as described in previous reports [1, 4]. Briefly, primary tumors were removed and dissociated into single cells to compare the tumor regrowth potential of each group. After depleting stromal cells with a mouse cell depletion kit (Miltenyl Biotec, Bergisch Gladhac, Germany), the isolated tumor cells were subcutaneously injected into the inguinal folds of mice with Matrigel at various dilutions. Tumors formed by this injection were monitored twice a week, and tumor volumes were measured by a caliper. The definitive ratio of tumor-bearing mice was determined by necropsy, and the frequency of stem cells was calculated by the extreme LDA webtool (http://bioinf.wehi.edu.au/software/elda).

Intrasplenic inoculation model

A splenic injection experiment was performed to estimate the step governing metastasis and distant organ colonization. In this model, DCLK1-B WT and DCLK1-B OE HCT116-luc cells ($1x10^6$ cells/mouse) were inoculated into the spleen followed by splenectomy, and the surviving cells that grew in distant organs then contributed to the formation of liver metastases. Liver metastasis was routinely monitored weekly by visualizing luciferase activity for 28 days (n = 8 for each group). After sacrifice, the livers were removed to determine liver metastasis.

AAV9-CMV-GFP construction and tail vein injection

XRCC5 knockdown (KD) and control recombinant adeno-associated virus-GFP vector 9 (AAV9-GFP) plasmids were constructed (Vigene Biosciences, Rockville, MD, USA). The administrations were performed according to previous studies [5]. Briefly, $1x10^{11}$ physical particles of AAV in 100 µL of PBS were injected into the tail veins of 4-week-old C57BL/6J and C57BL/6J-*Apc*^{Min}/J mice. Small intestine and colon were removed for GFP expression evaluation with western blotting and immunohistochemistry. Number of polyps were counted and total tumor burden was calculated as follow: number of polyps * 1 (0 mm < polyp ≤ 3 mm), number of polyps * 2 (3 mm < polyp ≤ 5 mm), number of polyps * 3 (5 mm < polyp).

PGE_2 ELISA assay

Plasma segregated from blood of experimented mice and protein extracted from xenografted tumor tissue were analyzed for systemic and local PGE_2 levels, respectively. Level of PGE_2 was assessed by PGE_2 ELISA assay kit (R&D system, Minneapolis, MN, USA) according to the manufacturer's instructions. The quantitative analysis of PGE_2 was measured at a wavelength of 540 or 570 nm (normalized by 450 nm) using Epoch microplate reader (Biotek, Winooski, VT, USA).

RNA isolation and real time-qPCR

Total RNA was isolated from mouse tissues or cells using TRIzol reagent (Invitrogen, Waltham, MA, USA). The purity of RNA was verified by measuring the 260/280 nm and 260/230 nm absorbance ratios. The cDNA templates were synthesized from 2 μg of total RNA using the PrimeScript™ 1st strand cDNA Synthesis Kit (Takara Bio Inc., Kusatsu, Shiga, Japan) with random primers. Then, Power SYBR Green PCR Master Mix and Step-One Real-time PCR systems (Applied Biosystems, Waltham, MA, USA) were used for the PCR amplification of cDNAs. The primers used are listed in **Table S5**.

Gene expression modification via siRNA

Cells were transfected with siRNA targeting specific genes or a nonspecific negative control siRNA (Bioneer, Daejeon, Republic of Korea) in media (serum-, phenol-, antibiotic-free) with Lipofectamine™ 2000 (Invitrogen) according to the manufacturer's instructions. Knockdown efficiency was confirmed by measuring mRNA expression using reverse transcription PCR and RT-qPCR. The sequences of siRNAs are listed in **Table S6.**

Protein isolation and western blot analysis

Tissues or cells were homogenized in radioimmunoprecipitation assay (RIPA) buffer for 20 min on ice. RIPA buffer was prepared in our laboratory as previously reported [6]. The BCA Protein Assay kit was used to determine protein concentrations using the bicinchoninic acid (BCA) assay (Thermo Fisher Scientific, Waltham, MA, USA). Proteins were denatured by boiling at 95 °C for 5 min with sodium dodecyl sulfate (SDS) (Sigma-Aldrich, St. Louis, MO, USA). On 8 % acrylamide gels, equal amounts of total protein (4-15 g) were electrophoresed, and the separated proteins were transferred to a polyvinylidene difluoride membrane (MilliporeSigma, Burlington, MA, USA). The membrane was blocked with 5% bovine serum albumin (Sigma-Aldrich, St. Louis, MO, USA) before being incubated with the primary antibodies overnight at 4 °C. The membrane was then treated with secondary antibodies that were conjugated to horseradish peroxidase. Horseradish peroxidase chemiluminescence was created using ECL reagent (Atto, Tokyo, Japan) and identified using a digital imaging equipment (ProteinSimple, San Jose, CA, USA). Antibodies used for western blot analyses are listed in **Table S7**.

Apoptosis assay (Annexin V+)

The rate of cell apoptosis was quantified using apoptosis assays performed with an Annexin V-Fluorescein isothiocyanate (FITC) Apoptosis Detection Kit I. (BD Biosciences). Washing cells twice with cold PBS yielded cell suspensions ($1x10^6$ cells/mL). The suspension was then transferred to a tube containing 5 L of FITC, annexin V, and propidium iodide (PI). After gentle vortexing, the mixture was incubated at room temperature for 15 mins in the dark. After incubation, 400 L of 1 x binding buffer was added before flow cytometry analysis.

Immunofluorescence and quantification

Formalin-fixed and paraffin-embedded sections of CRC patients' intestinal tissue and primary xenografted tumors were dewaxed and hydrated in an OTTIX bath (Diapath, Martinengo, Italy). The dewaxed slides were incubated with specific primary antibodies at 4 °C overnight. After washes with Tris-buffered saline containing 0.5 % Tween-20 (TBST), slides were incubated with secondary antibodies at room temperature for 20 min. Then, slides were washed with TBST, and the nuclei were counterstained with DAPI for 10 s. Slides were then dehydrated using an OTTIX bath (Diapath) and mounted with mounting solution (Vector Laboratories, Burlingame, CA, USA). Fluorescence was visualized and analyzed using Axio Imager 2 (Carl Zeiss, Oberkochen, Germany). The dewaxed slides were stained with hematoxylin (Sigma-Aldrich) and eosin (Diapath) to histologically observe the morphology of tissues. Images were captured with a phase-contrast microscope (Carl Zeiss). Antibodies used to visualize proteins by immunofluorescence are listed in Table S7.

Cells were seeded on poly-L-lysine and collagen I-coated cover glasses. After cells were fully attached to the cover slips, cells were fixed in 4% formalin. Cells were permeabilized, blocked, and stained with specific primary antibodies listed in Table S7. Nuclei were counterstained with DAPI (Sigma-Aldrich, St. Louis, MO, USA). Secondary antibodies conjugated with fluorescent dyes were used to visualize target proteins (Table S7). Fluorescence was visualized using Axio Imager 2 (Carl Zeiss, Oberkochen, Germany).

Luciferase reporter assay

A luciferase COX2-reporter assay was performed as described in a previous publication to analyze the transcription of COX2 [7]. CRC cells were seeded into 12-well plates. The mixture of DNA (COX2-reporter vector), β-galactosidase, and Lipofectamine was prepared in the proportions of 1 μg : 1 μg : 2 μL in 50 μL of serum-free medium/well. Twenty-four hours after the mixed solution was applied to the seeded cells, cells were lysed. Luciferase reagent was added to detect luciferase activity and detected using a luminometer (Promega, Madison, WI, USA) according to the manufacturer's recommendations. The relative COX2 transcription level was determined by measuring luciferase activity and normalizing the raw results of COX2 expression to β-galactosidase expression.

Identification of DCLK1-B-interacting proteins

Potential DCLK1-B-interacting proteins were obtained from whole-protein lysates of HCT116 cells by using monoclonal antibody-based immunoprecipitation (IP). IP samples incubated with isotype IgG control antibody were used as negative controls. Peptide samples were obtained by sodium dodecyl sulfate-polyacrylamide gel electrophoresis (SDS-PAGE) and in-gel digestion with trypsin. The peptide samples were purified and concentrated using columns containing C18 reverse-phase resin. The peptides were identified by liquid chromatography with tandem mass spectrometry (LC-MS). Raw mass spectrometric data were processed with Sorcerer 2^{TM}-SEQUEST (Sage N Research, Milpitas, CA, USA). A list of proteins enriched in the DCLK1-IP samples versus the IgG control IP samples was obtained by estimating the protein abundance through Top3 analyses.

Clonogenic assay

A clonogenic assay was performed as described in our previous report [1]. Briefly, cells were seeded in 12-well plates (200 cells/well) and cultured for 14 days. The colonies greater than 50 μm in size were counted after staining with crystal violet (n = 3/group)

Migration and invasion assay

The Transwell system (8 μm pore size, Corning) was employed for migration and invasion assays. For migration assays, $3x10^5$ cells were seeded in the upper chambers in serum-free medium, and for invasion assays, $3x10^5$ cells were seeded in the upper chamber of a Matrigel-coated Transwell system (8 μm pore size, Corning) in serum-free medium. The bottom chamber was filled with medium supplemented with 20% FBS. After incubation for 24 h at 37 °C, the cells that had migrated to or invaded the bottom of the insert membrane were fixed, stained with crystal violet, and counted under observation with a phase-contrast microscope (Carl Zeiss, biological triplicates).

Cell viability

Cells were seeded in 6-well or 96-well plates and incubated for various time points. The numbers of viable cells were measured with an automated cell counter (Countess II, ThermoFisher Scientific, Waltham, MA, USA) or measured by staining with thiazolyl blue tetrazolium bromide (MTT, Sigma-Aldrich, St. Louis, MO, USA), and the absorbance was measured using a microplate spectrophotometer (Bio-Tek Instruments Inc., Winooski, VT, USA).

Bioinformatics analysis using an open-source database

To compare the DCLK1 mRNA expression levels between normal and tumor tissues, gene expression data were obtained from an open-source database (R2: Genomic analysis and visualization platform). Gene set enrichment analysis (GSEA) was conducted as described in our previous study [1]. Briefly, the differentially expressed gene (DEG) list was obtained using the R2 Platform (GSE21510) by comparing two groups of patients with CRC (divided according to median DCLK1 level; n = 52/group). Total DEG lists ($p < 0.001$) were applied as a ranked gene list. The GSEA of the ranked gene list was conducted using the Java implementation of GSEA obtained from http://www.broadinstitue.org/gsea/ (1,000 permutations; minimum term size: 15; maximum term size: 500, C2: all curated genes). The normalized enrichment score accounts for the differences in gene set size. The false discovery rate q-value was used to set a significance threshold.

RNA sequencing and Ingenuity Pathway Analysis (IPA)

RNA sequencing was performed to observe the altered gene expression signature between DCLK1-B KO and control (EV-transfected) HCT116 cells. Samples were prepared in biological triplicates, and RNA sequencing analysis was performed by LAS science (Seoul, Republic of Korea). Briefly, the mRNA sequencing library was prepared using a TruSeq Stranded mRNA Sample Preparation Kit and the Illumina NextSeq platform. The whole list of DEGs altered in DCLK1-KO HCT116 cells was subjected to IPA (Qiagen, Redwood City, CA, USA) to identify the potential diseases, functions, and upstream regulators that are significantly associated with DCLK1-B KO.

ChIP assay

Reagents were used according to the manufacturer's recommendations (EZ ChIP, #17-371, Upstate). For ChIP assays, cells in culture (70 – 80 % confluent) were fixed in 1 % formaldehyde to crosslink DNA to bound proteins, and the reaction was stopped by adding 0.125 M glycine. Cells were washed with cold PBS, pelleted at 4 °C in the presence of protease inhibitor cocktail (Sigma) and resuspended in 500 μL of ChIP sonication buffer (20 % SDS and protease inhibitors), followed by sonication and centrifugation of fragments (200–700 bp long) at 10,000 RPM. The crosslinked chromatin supernatant was immunoprecipitated using target-specific antibody (2 μg purified IgG) at 4 °C overnight. Control samples contained no antibody. For obtaining input levels of the corresponding proteins, equivalent numbers of cells were also processed for western immunoblot analysis. Protein

A agarose beads, preabsorbed by salmon sperm DNA (100 μg/mL) were added to the chromatin-antibody complex and centrifuged to sediment the beads. The beads were washed with cold buffer, and DNA was eluted from the beads with elution buffer (Elution Reagent C, #20-294). DNA in the supernatant was precipitated using a high-salt method according to the manufacturer's recommendations. The extracted DNA was purified using a kit, and 2 μL of the purified DNA was used for PCR amplification with specific primers designed around the transcription factor binding site of interest. The binding site of XRCC5 on the COX2 promoter was amplified using primer sets shown in Table S5.

***In vitro* limiting dilution assay**

To examine their self-renewal ability, cells were seeded in sphere culture conditions (poly-HEMA-coated plates; Sigma #P3932) at varying cell densities of 10, 100, 500, 1000, 5000 and 10,000. After 14 days of culture, the number of wells with spheres was counted (n = 12/group) and analyzed by the extreme LDA webtool (http://bioinf.wehi.edu.au/software/elda) as described in a previous report [6]. *p* values indicate statistical significance of differences in stem cell frequencies between any of the groups. For the sphere formation assay, cells were seeded at varying cell densities and incubated under sphere culture conditions, and then the number of spheres was counted and their size measured (n = 4/group).

***In silico* virtual screening**

To explore a new compound targeting DCLK1 kinase, *in silico* virtual screening was performed based on the X-ray crystal structure of the DCLK1 kinase domain (Protein Data Bank ID: 5JZN). Interactions of new compound DDQ-1 and DCLK1 kinase domain was investigated by docking simulation using DCOKER algorithms in Discover Studio program (Accelrys, San Diego, CA, USA).

Supplementary references

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Table S2. List of DEGs in DCLK1-high versus DCLK1-low tumours from patients with CRC

ID	P.Value	logFC	Gene.symbol	Gene.title
235570_at	8.37E-12	7.43E-01	RBMS3	RNA binding motif single stranded interacting protein 3
238447_at	8.43E-12	8.76E-01	RBMS3	RNA binding motif single stranded interacting protein 3
229530_at	1.21E-11	1.12	GUCY1A3	guanylate cyclase 1 soluble subunit alpha
205609_at	1.26E-11	8.85E-01	ANGPT1	angiopoietin 1
213891_s_at	3.22E-11	7.88E-01	TCF4	transcription factor 4
205529_s_at	4.68E-11	7.31E-01	RUNX1T1	RUNX1 translocation partner 1
209242_at	7.23E-11	5.71E-01	PEG3	paternally expressed 3
203817_at	9.15E-11	8.68E-01	GUCY1B3	guanylate cyclase 1 soluble subunit beta
227235_at	1.09E-10	1.17	GUCY1A3	guanylate cyclase 1 soluble subunit alpha
228827_at	1.89E-10	8.51E-01	RUNX1T1	RUNX1 translocation partner 1
209708_at	3.03E-10	9.18E-01	MOXD1	monooxygenase DBH like 1
205407_at	3.11E-10	7.14E-01	RECK	reversion inducing cysteine rich protein with kazal motifs
212385_at	4.53E-10	6.73E-01	TCF4	transcription factor 4
212764_at	6.13E-10	8.14E-01	ZEB1	zinc finger E-box binding homeobox 1
235518_at	6.21E-10	8.38E-01	SLC8A1	solute carrier family 8 member A1
212386_at	8.50E-10	7.49E-01	TCF4	transcription factor 4
203753_at	1.22E-09	7.25E-01	TCF4	transcription factor 4
212387_at	1.28E-09	7.53E-01	TCF4	transcription factor 4
201843_s_at	1.39E-09	9.05E-01	EFEMP1	EGF containing fibulin like extracellular matrix protein 1
212382_at	1.73E-09	8.52E-01	TCF4	transcription factor 4
1554474_a_at	1.78E-09	4.65E-01	MOXD1	monooxygenase DBH like 1
227662_at	1.97E-09	1.21	SYNPO2	synaptopodin 2
221942_s_at	2.01E-09	9.56E-01	GUCY1A3	guanylate cyclase 1 soluble subunit alpha
228333_at	2.05E-09	6.51E-01	ZEB2	zinc finger E-box binding homeobox 2
228636_at	2.60E-09	9.43E-01	BHLHE22	basic helix-loop-helix family member e22
244050_at	3.32E-09	1.05	HACD4	3-hydroxyacyl-CoA dehydratase 4
212636_at	3.34E-09	9.27E-01	QKI	QKI, KH domain containing RNA binding
232113_at	3.44E-09	1.13		
227561_at	3.46E-09	5.33E-01	DDR2	discoidin domain receptor tyrosine kinase 2
227059_at	3.60E-09	7.75E-01	GPC6	glypican 6
217757_at	4.63E-09	7.30E-01	A2M	alpha-2-macroglobulin
202994_s_at	4.85E-09	7.38E-01	FBLN1	fibulin 1
213306_at	4.89E-09	5.22E-01	MPDZ	multiple PDZ domain crumbs cell polarity complex component
204359_at	5.69E-09	7.18E-01	LOC100506718///FLRT2	uncharacterized LOC100506718///fibronectin leucine rich transmembrane protein 2
206101_at	5.76E-09	7.39E-01	ECM2	extracellular matrix protein 2
227623_at	6.77E-09	8.49E-01	CACNA2D1	calcium voltage-gated channel auxiliary subunit alpha2delta 1
223672_at	8.00E-09	5.36E-01	SGIP1	SH3 domain GRB2 like endophilin interacting protein 1
209335_at	8.70E-09	9.40E-01	DCN	decorin
227554_at	1.22E-08	3.63E-01	MAGI2-AS3	MAGI2 antisense RNA 3
226751_at	1.28E-08	5.07E-01	CNRIP1	cannabinoid receptor interacting protein 1
223475_at	1.65E-08	8.88E-01	CRISPLD1	cysteine rich secretory protein LCCL domain containing 1
233364_s_at	1.75E-08	5.19E-01		
201842_s_at	1.87E-08	1.12	EFEMP1	EGF containing fibulin like extracellular matrix protein 1
227688_at	2.16E-08	4.73E-01	LRCH2	leucine rich repeats and calponin homology domain containing 2
1556427_s_at	3.19E-08	3.97E-01	LRRN4CL	LRRN4 C-terminal like
212758_s_at	3.20E-08	5.36E-01	ZEB1	zinc finger E-box binding homeobox 1
223343_at	3.51E-08	1.01	MS4A7	membrane spanning 4-domains A7
225381_at	3.56E-08	4.76E-01	MIR100HG	mir-100-let-7a-2 cluster host gene
205079_s_at	3.82E-08	3.12E-01	MPDZ	multiple PDZ domain crumbs cell polarity complex component
209210_s_at	3.89E-08	7.65E-01	FERMT2	fermitin family member 2
230550_at	4.11E-08	9.47E-01	MS4A6A	membrane spanning 4-domains A6A
225442_at	4.13E-08	7.36E-01	DDR2	discoidin domain receptor tyrosine kinase 2
203180_at	4.27E-08	9.59E-01	ALDH1A3	aldehyde dehydrogenase 1 family member A3
201163_s_at	4.65E-08	5.17E-01	IGFBP7	insulin like growth factor binding protein 7
212646_at	4.65E-08	6.36E-01	RFTN1	raftlin, lipid raft linker 1
211959_at	4.72E-08	9.85E-01	IGFBP5	insulin like growth factor binding protein 5
202291_s_at	5.90E-08	9.14E-01	MGP	matrix Gla protein
205399_at	5.91E-08	4.47E-01	DCLK1	doublecortin like kinase 1
209539_at	6.26E-08	6.04E-01	ARHGEF6	Rac/Cdc42 guanine nucleotide exchange factor 6
202191_s_at	6.44E-08	4.26E-01	GAS7	growth arrest specific 7
235616_at	6.97E-08	4.63E-01	TSHZ2	teashirt zinc finger homeobox 2
225710_at	7.12E-08	7.81E-01	GNB4	G protein subunit beta 4
212157_at	7.82E-08	5.22E-01	SDC2	syndecan 2
206070_s_at	8.49E-08	7.06E-01	EPHA3	EPH receptor A3
210643_at	1.04E-07	1.29	TNFSF11	tumor necrosis factor superfamily member 11
201162_at	1.05E-07	5.83E-01	IGFBP7	insulin like growth factor binding protein 7
222146_s_at	1.06E-07	5.86E-01	TCF4	transcription factor 4
229357_at	1.14E-07	7.93E-01	ADAMTS5	ADAM metallopeptidase with thrombospondin type 1 motif 5
225782_at	1.14E-07	9.62E-01	MSRB3	methionine sulfoxide reductase B3
205898_at	1.20E-07	5.33E-01	CX3CR1	C-X3-C motif chemokine receptor 1
203485_at	1.35E-07	6.72E-01	RTN1	reticulon 1
212158_at	1.46E-07	7.69E-01	SDC2	syndecan 2
244740_at	1.47E-07	3.07E-01		
230493_at	1.58E-07	1.17	SHISA2	shisa family member 2

227478_at	1.58E-07	8.88E-01	SETBP1	SET binding protein 1
230730_at	1.66E-07	4.00E-01	SGCD	sarcoglycan delta
231001_at	1.69E-07	3.20E-01	FIBIN	fin bud initiation factor homolog (zebrafish)
206481_s_at	1.76E-07	6.15E-01	LDB2	LIM domain binding 2
209200_at	1.81E-07	7.13E-01	MEF2C	myocyte enhancer factor 2C
204557_s_at	1.92E-07	2.65E-01	DZIP1	DAZ interacting zinc finger protein 1
222033_s_at	2.05E-07	3.52E-01	FLT1	fms related tyrosine kinase 1
236600_at	2.22E-07	4.97E-01	SPG20	spastic paraplegia 20 (Troyer syndrome)
219087_at	2.24E-07	1.49	ASPN	asporin
228850_s_at	2.25E-07	4.12E-01	SLIT2	slit guidance ligand 2
208308_s_at	2.36E-07	-6.74E-01	GPI	glucose-6-phosphate isomerase
208396_s_at	2.45E-07	4.35E-01	PDE1A	phosphodiesterase 1A
209348_s_at	2.53E-07	7.26E-01	MAF	MAF bZIP transcription factor
228176_at	2.56E-07	6.39E-01	S1PR3	sphingosine-1-phosphate receptor 3
226769_at	2.71E-07	7.86E-01	FIBIN	fin bud initiation factor homolog (zebrafish)
205982_x_at	2.72E-07	-1.78E-01	SFTPC	surfactant protein C
213800_at	2.78E-07	7.93E-01	CFH	complement factor H
228837_at	2.95E-07	3.27E-01	TCF4	transcription factor 4
235183_at	3.17E-07	5.52E-01	FILIP1	filamin A interacting protein 1
225163_at	3.25E-07	5.47E-01	FRMD4A	FERM domain containing 4A
212526_at	3.48E-07	6.34E-01	SPG20	spastic paraplegia 20 (Troyer syndrome)
203603_s_at	3.51E-07	7.28E-01	ZEB2	zinc finger E-box binding homeobox 2
229800_at	3.63E-07	5.28E-01	DCLK1	doublecortin like kinase 1
223395_at	3.67E-07	1.03	ABI3BP	ABI family member 3 binding protein
228438_at	3.84E-07	3.41E-01	MSC-AS1	MSC antisense RNA 1
231234_at	3.95E-07	3.67E-01	CTSC	cathepsin C
228750_at	4.15E-07	7.14E-01	COL14A1	collagen type XIV alpha 1 chain
242332_at	4.67E-07	2.58E-01	FENDRR	FOXF1 adjacent non-coding developmental regulatory RNA
218718_at	4.95E-07	8.67E-01	PDGFC	platelet derived growth factor C
205608_s_at	5.10E-07	3.31E-01	ANGPT1	angiopoietin 1
219935_at	5.24E-07	5.87E-01	ADAMTS5	ADAM metallopeptidase with thrombospondin type 1 motif 5
208747_s_at	5.41E-07	7.38E-01	C1S	complement component 1, s subcomponent
224694_at	5.42E-07	8.83E-01	ANTXR1	anthrax toxin receptor 1
227761_at	5.49E-07	6.46E-01	MYO5A	myosin VA
1552696_at	5.51E-07	-3.03E-01	NIPA1	non imprinted in Prader-Willi/Angelman syndrome 1
219666_at	5.63E-07	6.42E-01	MS4A6A	membrane spanning 4-domains A6A
212077_at	5.65E-07	6.68E-01	CALD1	caldesmon 1
65718_at	5.71E-07	2.42E-01	ADGRA2	adhesion G protein-coupled receptor A2
202555_s_at	5.90E-07	6.00E-01	MYLK	myosin light chain kinase
212353_at	6.04E-07	1.01	SULF1	sulfatase 1
244521_at	6.50E-07	4.98E-01	TSHZ2	teashirt zinc finger homeobox 2
211813_x_at	6.57E-07	7.06E-01	DCN	decorin
227070_at	7.92E-07	7.84E-01	GLT8D2	glycosyltransferase 8 domain containing 2
206317_s_at	8.01E-07	-2.25E-01	ABCB8	ATP binding cassette subfamily B member 8
219607_s_at	8.01E-07	1.01	MS4A4A	membrane spanning 4-domains A4A
212865_s_at	8.04E-07	6.52E-01	COL14A1	collagen type XIV alpha 1 chain
207173_x_at	8.32E-07	8.51E-01	CDH11	cadherin 11
219427_at	8.93E-07	7.05E-01	FAT4	FAT atypical cadherin 4
222717_at	9.05E-07	5.84E-01	SDPR	serum deprivation response
226322_at	9.36E-07	6.26E-01	TMTC1	transmembrane and tetratricopeptide repeat containing 1
213069_at	9.37E-07	5.62E-01	HEG1	heart development protein with EGF like domains 1
225895_at	9.37E-07	9.41E-01	SYNPO2	synaptopodin 2
211896_s_at	1.03E-06	8.73E-01	DCN	decorin
226621_at	1.05E-06	5.57E-01	OSMR	oncostatin M receptor
231747_at	1.10E-06	6.15E-01	CYSLTR1	cysteinyl leukotriene receptor 1
218656_s_at	1.13E-06	5.88E-01	LHFP	lipoma HMGIC fusion partner
235593_at	1.16E-06	2.75E-01	ZEB2	zinc finger E-box binding homeobox 2
223620_at	1.17E-06	8.14E-01	GPR34	G protein-coupled receptor 34
241789_at	1.19E-06	3.37E-01	RBMS3	RNA binding motif single stranded interacting protein 3
209906_at	1.24E-06	4.56E-01	C3AR1	complement component 3a receptor 1
226225_at	1.32E-06	7.06E-01	MCC	mutated in colorectal cancers
215051_x_at	1.47E-06	4.51E-01	AIF1	allograft inflammatory factor 1
225575_at	1.50E-06	7.19E-01	LIFR	leukemia inhibitory factor receptor alpha
219777_at	1.61E-06	7.55E-01	GIMAP6	GTPase, IMAP family member 6
206932_at	1.77E-06	9.81E-01	CH25H	cholesterol 25-hydroxylase
236277_at	1.85E-06	4.52E-01	PAK3	p21 (RAC1) activated kinase 3
230744_at	1.86E-06	2.61E-01	FSTL1	follistatin like 1
212230_at	1.87E-06	5.58E-01	PLPP3	phospholipid phosphatase 3
229910_at	1.88E-06	3.42E-01	SHE	Src homology 2 domain containing E
223344_s_at	1.88E-06	4.16E-01	MS4A7	membrane spanning 4-domains A7
213416_at	1.95E-06	7.35E-01	ITGA4	integrin subunit alpha 4
227705_at	2.01E-06	4.92E-01	TCEAL7	transcription elongation factor A like 7
213429_at	2.03E-06	7.15E-01	BICC1	BicC family RNA binding protein 1
240232_at	2.07E-06	4.25E-01		
1561099_at	2.08E-06	-1.31E-01	TBC1D22A-AS1	TBC1D22A antisense RNA 1
204464_s_at	2.09E-06	1.06	EDNRA	endothelin receptor type A
225720_at	2.15E-06	7.84E-01	SYNPO2	synaptopodin 2

211365_s_at	2.16E-06	-1.65E-01	PCDHA2	protocadherin alpha 2
215388_s_at	2.20E-06	7.26E-01	CFHR1///CFH	complement factor H related 1///complement factor H
215049_x_at	2.24E-06	7.02E-01	CD163	CD163 molecule
213241_at	2.24E-06	7.10E-01	PLXNC1	plexin C1
208676_s_at	2.28E-06	-2.77E-01	PA2G4	proliferation-associated 2G4
236995_x_at	2.32E-06	1.93E-01	TFEC	transcription factor EC
235318_at	2.36E-06	6.38E-01	FBN1	fibrillin 1
236151_at	2.37E-06	-1.53E-01	SRRM4	serine/arginine repetitive matrix 4
222453_at	2.41E-06	8.24E-01	CYBRD1	cytochrome b reductase 1
213423_x_at	2.42E-06	4.57E-01	TUSC3	tumor suppressor candidate 3
239710_at	2.65E-06	2.31E-01	FIGN	fidgetin, microtubule severing factor
236038_at	2.67E-06	1.92E-01	RNF150	ring finger protein 150
206408_at	2.67E-06	2.04E-01	LRRTM2	leucine rich repeat transmembrane neuronal 2
204939_s_at	2.70E-06	8.58E-01	PLN	phospholamban
228376_at	2.71E-06	4.66E-01	GGTA1P	glycoprotein, alpha-galactosyltransferase 1 pseudogene
204236_at	2.77E-06	6.19E-01	FLI1	Fli-1 proto-oncogene, ETS transcription factor
226237_at	2.79E-06	1.22	COL8A1	collagen type VIII alpha 1 chain
239262_at	2.82E-06	2.99E-01		
228554_at	2.89E-06	2.45E-01	PGR	progesterone receptor
229554_at	2.90E-06	8.37E-01	LUM	lumican
228602_at	2.91E-06	3.81E-01	SGCD	sarcoglycan delta
224356_x_at	3.02E-06	7.56E-01	MS4A6A	membrane spanning 4-domains A6A
214807_at	3.06E-06	6.41E-01	PLXDC2	plexin domain containing 2
209967_s_at	3.07E-06	4.41E-01	CREM	cAMP responsive element modulator
224823_at	3.13E-06	6.49E-01	MYLK	myosin light chain kinase
225275_at	3.14E-06	7.64E-01	EDIL3	EGF like repeats and discoidin domains 3
215951_at	3.14E-06	-1.41E-01	TBC1D2B	TBC1 domain family member 2B
219279_at	3.18E-06	5.73E-01	DOCK10	dedicator of cytokinesis 10
1561615_s_at	3.19E-06	3.91E-01	SLC8A1	solute carrier family 8 member A1
218939_at	3.32E-06	-2.76E-01	LETM1	leucine zipper and EF-hand containing transmembrane protein 1
230722_at	3.37E-06	3.73E-01	BNC2	basonuclin 2
201893_x_at	3.39E-06	7.06E-01	DCN	decorin
211485_s_at	3.61E-06	-2.58E-01	FGF18	fibroblast growth factor 18
203868_s_at	3.77E-06	7.83E-01	VCAM1	vascular cell adhesion molecule 1
226497_s_at	3.78E-06	4.83E-01	FLT1	fms related tyrosine kinase 1
202664_at	3.79E-06	7.05E-01	WIPF1	WAS/WASL interacting protein family member 1
201540_at	3.97E-06	6.41E-01	FHL1	four and a half LIM domains 1
206584_at	4.02E-06	9.27E-01	LY96	lymphocyte antigen 96
227140_at	4.03E-06	7.67E-01	INHBA	inhibin beta A subunit
235368_at	4.04E-06	5.18E-01	ADAMTS5	ADAM metallopeptidase with thrombospondin type 1 motif 5
216232_s_at	4.07E-06	-4.01E-01	GCN1	GCN1, eIF2 alpha kinase activator homolog
208782_at	4.09E-06	5.64E-01	FSTL1	follistatin like 1
232675_s_at	4.10E-06	-2.69E-01	UCKL1	uridine-cytidine kinase 1 like 1
216321_s_at	4.13E-06	8.37E-01	NR3C1	nuclear receptor subfamily 3 group C member 1
204861_s_at	4.13E-06	3.60E-01	NAIP	NLR family apoptosis inhibitory protein
218001_at	4.15E-06	-5.18E-01	MRPS2	mitochondrial ribosomal protein S2
227646_at	4.24E-06	4.75E-01	EBF1	early B-cell factor 1
225990_at	4.34E-06	3.16E-01	BOC	BOC cell adhesion associated, oncogene regulated
239580_at	4.34E-06	2.37E-01	GUCY1A3	guanylate cyclase 1 soluble subunit alpha
218918_at	4.43E-06	5.38E-01	MAN1C1	mannosidase alpha class 1C member 1
230264_s_at	4.54E-06	5.81E-01	AP1S2	adaptor related protein complex 1 sigma 2 subunit
218820_at	4.55E-06	3.60E-01	C14orf132	chromosome 14 open reading frame 132
238458_at	4.56E-06	3.60E-01	MICU3	mitochondrial calcium uptake family member 3
225481_at	4.68E-06	6.30E-01	FRMD6	FERM domain containing 6
206363_at	4.80E-06	4.68E-01	MAF	MAF bZIP transcription factor
210362_x_at	4.83E-06	-1.88E-01	PML	promyelocytic leukemia
243306_s_at	4.95E-06	-1.23E-01	GCC1	GRIP and coiled-coil domain containing 1
203505_at	4.95E-06	5.72E-01	ABCA1	ATP binding cassette subfamily A member 1
223280_x_at	5.06E-06	6.91E-01	MS4A6A	membrane spanning 4-domains A6A
210960_at	5.14E-06	-1.19E-01	ADRA1D	adrenoceptor alpha 1D
229029_at	5.24E-06	2.54E-01	CAMK4	calcium/calmodulin dependent protein kinase IV
229327_s_at	5.29E-06	6.06E-01	MAF	MAF bZIP transcription factor
212067_s_at	5.30E-06	5.26E-01	C1R	complement C1r subcomponent
226841_at	5.32E-06	6.96E-01	MPEG1	macrophage expressed 1
202159_at	5.37E-06	-3.95E-01	FARSA	phenylalanyl-tRNA synthetase alpha subunit
205347_s_at	5.45E-06	6.18E-01	TMSB15B///TMSB15A	thymosin beta 15B///thymosin beta 15a
223774_at	5.59E-06	-4.82E-01	SNORA16A///SNORA61///SNORA44///SNHG12	small nucleolar RNA, H/ACA box 16A///small nucleolar RNA, H/ACA box 61///small nucleolar RNA, H/ACA box 44///small nucleolar RNA host gene 12
228471_at	5.64E-06	6.44E-01	ANKRD44	ankyrin repeat domain 44
232090_at	5.78E-06	6.65E-01	DNM3OS	DNM3 opposite strand/antisense RNA
203923_s_at	5.85E-06	3.99E-01	CYBB	cytochrome b-245 beta chain
217926_at	5.92E-06	-3.72E-01	C19orf53	chromosome 19 open reading frame 53
225721_at	6.03E-06	5.95E-01	SYNPO2	synaptopodin 2
231167_at	6.08E-06	5.46E-01		
203185_at	6.12E-06	4.39E-01	RASSF2	Ras association domain family member 2
203645_s_at	6.14E-06	7.33E-01	CD163	CD163 molecule

202766_s_at	6.17E-06	7.35E-01	FBN1	fibrillin 1
232016_at	6.18E-06	-1.95E-01	FAN1	FANCD2/FANCI-associated nuclease 1
1554483_at	6.42E-06	-2.15E-01	TMEM37	transmembrane protein 37
222885_at	6.65E-06	5.29E-01	EMCN	endomucin
218308_at	6.65E-06	-5.08E-01	TACC3	transforming acidic coiled-coil containing protein 3
204463_s_at	6.79E-06	1.05	EDNRA	endothelin receptor type A
217764_s_at	6.88E-06	7.02E-01	RAB31	RAB31, member RAS oncogene family
217767_at	6.94E-06	9.82E-01	C3	complement component 3
209285_s_at	6.98E-06	4.69E-01	FAM208A	family with sequence similarity 208 member A
223922_x_at	7.01E-06	4.97E-01	MS4A6A	membrane spanning 4-domains A6A
209621_s_at	7.06E-06	5.89E-01	PDLIM3	PDZ and LIM domain 3
227096_at	7.07E-06	-1.86E-01	JOSD2	Josephin domain containing 2
224325_at	7.33E-06	4.36E-01	MIR4683///FZD8	microRNA 4683///frizzled class receptor 8
213910_at	7.37E-06	1.84E-01	IGFBP7	insulin like growth factor binding protein 7
221049_s_at	7.37E-06	-2.20E-01	POLL	polymerase (DNA) lambda
212609_s_at	7.39E-06	6.03E-01	AKT3	AKT serine/threonine kinase 3
204646_at	7.40E-06	9.69E-01	DPYD	dihydropyrimidine dehydrogenase
205528_s_at	7.54E-06	2.41E-01	RUNX1T1	RUNX1 translocation partner 1
201615_x_at	7.54E-06	5.09E-01	CALD1	caldesmon 1
214428_x_at	7.59E-06	5.46E-01	C4B_2///C4B///C4A	complement component 4B (Chido blood group), copy 2///complement component 4B (Chido blood group)///complement component 4A (Rodgers blood group)
209732_at	7.81E-06	7.39E-01	CLEC2B	C-type lectin domain family 2 member B
204682_at	7.94E-06	4.71E-01	LTBP2	latent transforming growth factor beta binding protein 2
201617_x_at	8.01E-06	7.59E-01	CALD1	caldesmon 1
205935_at	8.04E-06	5.59E-01	FOXF1	forkhead box F1
207539_s_at	8.25E-06	-1.21E-01	IL4	interleukin 4
222643_s_at	8.33E-06	-1.33E-01	BBS1	Bardet-Biedl syndrome 1
209550_at	8.41E-06	7.71E-01	NDN	necdin, MAGE family member
1559438_at	8.50E-06	-1.45E-01	C21orf58	chromosome 21 open reading frame 58
219243_at	8.71E-06	5.06E-01	GIMAP4	GTPase, IMAP family member 4
214227_at	8.75E-06	-1.35E-01		
212813_at	8.96E-06	3.57E-01	JAM3	junctional adhesion molecule 3
209493_at	8.96E-06	8.53E-01	PDZD2	PDZ domain containing 2
202115_s_at	9.19E-06	-3.33E-01	NOC2L	NOC2 like nucleolar associated transcriptional repressor
239952_at	9.25E-06	2.11E-01	ZEB1	zinc finger E-box binding homeobox 1
220262_s_at	9.46E-06	-1.76E-01	DLK2	delta like non-canonical Notch ligand 2
214180_at	9.67E-06	3.63E-01	MAN1C1	mannosidase alpha class 1C member 1
207426_s_at	9.81E-06	6.69E-01	TNFSF4	tumor necrosis factor superfamily member 4
225975_at	9.85E-06	6.66E-01	PCDH18	protocadherin 18
213384_x_at	9.89E-06	-2.28E-01	PLCB3	phospholipase C beta 3
222812_s_at	1.01E-05	-3.43E-01	RHOF	ras homolog family member F, filopodia associated
239294_at	1.03E-05	8.13E-01	PIK3CG	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma
36030_at	1.04E-05	2.80E-01	IFFO1	intermediate filament family orphan 1
213139_at	1.04E-05	6.11E-01	SNAI2	snail family transcriptional repressor 2
230414_s_at	1.08E-05	-1.28E-01	TMEM170A	transmembrane protein 170A
242828_at	1.09E-05	1.60E-01	FIGN	fidgetin, microtubule severing factor
225464_at	1.11E-05	6.42E-01	FRMD6	FERM domain containing 6
1565823_at	1.11E-05	8.05E-01	SEP7	septin 7
227095_at	1.11E-05	5.21E-01	LEPROT	leptin receptor overlapping transcript
207490_at	1.12E-05	-1.85E-01	TUBA4B	tubulin alpha 4b
1555255_a_at	1.14E-05	-3.25E-01	PPIP5K1	diphosphoinositol pentakisphosphate kinase 1
207026_s_at	1.16E-05	-1.83E-01	ATP2B3	ATPase plasma membrane Ca2+ transporting 3
204774_at	1.19E-05	8.45E-01	EVI2A	ecotropic viral integration site 2A
213095_x_at	1.20E-05	4.13E-01	AIF1	allograft inflammatory factor 1
221541_at	1.20E-05	5.94E-01	CRISPLD2	cysteine rich secretory protein LCCL domain containing 2
234721_s_at	1.20E-05	-1.64E-01	CYP26B1	cytochrome P450 family 26 subfamily B member 1
214301_s_at	1.21E-05	-1.24E-01	DPYSL4	dihydropyrimidinase like 4
212844_at	1.23E-05	-2.14E-01	RRP1B	ribosomal RNA processing 1B
201744_s_at	1.23E-05	6.24E-01	LUM	lumican
1566816_at	1.31E-05	-1.64E-01	FGF22	fibroblast growth factor 22
220146_at	1.32E-05	4.21E-01	TLR7	toll like receptor 7
217755_at	1.33E-05	-5.52E-01	HN1	hematological and neurological expressed 1
225450_at	1.34E-05	4.12E-01	AMOTL1	angiomotin like 1
218296_x_at	1.36E-05	-3.32E-01	MSTO2P///MSTO1	misato family member 2, pseudogene///misato 1, mitochondrial distribution and morphology regulator
226766_at	1.36E-05	8.70E-01	ROBO2	roundabout guidance receptor 2
214844_s_at	1.41E-05	3.32E-01	DOK5	docking protein 5
223743_s_at	1.41E-05	-5.89E-01	MRPL4	mitochondrial ribosomal protein L4
224822_at	1.42E-05	6.61E-01	DLC1	DLC1 Rho GTPase activating protein
203083_at	1.43E-05	1.14	THBS2	thrombospondin 2
228665_at	1.44E-05	4.95E-01	CYYR1	cysteine and tyrosine rich 1
209209_s_at	1.44E-05	2.76E-01	FERMT2	fermitin family member 2
224964_s_at	1.44E-05	6.48E-01	GNG2	G protein subunit gamma 2
203989_x_at	1.46E-05	4.82E-01	F2R	coagulation factor II thrombin receptor
232612_s_at	1.47E-05	-3.35E-01	ATG16L1	autophagy related 16 like 1
231213_at	1.48E-05	2.63E-01	PDE1A	phosphodiesterase 1A

200795_at	1.48E-05	7.41E-01	SPARCL1	SPARC like 1
218353_at	1.51E-05	7.08E-01	RGS5	regulator of G-protein signaling 5
202686_s_at	1.56E-05	5.29E-01	AXL	AXL receptor tyrosine kinase
215306_at	1.58E-05	3.22E-01		
222391_at	1.59E-05	4.36E-01	TMEM30A	transmembrane protein 30A
231993_at	1.60E-05	3.32E-01	ITGBL1	integrin subunit beta like 1
228692_at	1.63E-05	5.33E-01	PREX2	phosphatidylinositol-3,4,5-trisphosphate dependent Rac exchange factor 2
231983_at	1.65E-05	-3.56E-01	IBA57	IBA57 homolog, iron-sulfur cluster assembly
219574_at	1.70E-05	4.66E-01	01-3	membrane associated ring-CH-type finger 1
222671_s_at	1.72E-05	-2.88E-01	JMJD4	jumonji domain containing 4
241698_at	1.72E-05	2.15E-01	RFTN2	raftlin family member 2
229383_at	1.73E-05	4.79E-01	01-3	membrane associated ring-CH-type finger 1
1562903_at	1.74E-05	-1.63E-01	FAM86B3P	family with sequence similarity 86, member A pseudogene
207866_at	1.74E-05	-1.67E-01	BMP8A	bone morphogenetic protein 8a
214326_x_at	1.80E-05	-1.84E-01	JUND	JunD proto-oncogene, AP-1 transcription factor subunit
227360_at	1.81E-05	-1.52E-01		
238478_at	1.82E-05	3.96E-01	BNC2	basonuclin 2
206715_at	1.84E-05	7.19E-01	TFEC	transcription factor EC
238146_at	1.86E-05	4.89E-01		
223690_at	1.87E-05	3.79E-01	LTBP2	latent transforming growth factor beta binding protein 2
243366_s_at	1.90E-05	5.91E-01	ITGA4	integrin subunit alpha 4
210302_s_at	1.90E-05	4.69E-01	MAB21L2	mab-21 like 2
214770_at	1.91E-05	6.18E-01	MSR1	macrophage scavenger receptor 1
201264_at	1.94E-05	-4.71E-01	COPE	coatomer protein complex subunit epsilon
202948_at	1.95E-05	5.59E-01	IL1R1	interleukin 1 receptor type 1
1555611_s_at	1.96E-05	-1.59E-01	MBD1	methyl-CpG binding domain protein 1
243041_s_at	1.96E-05	1.86E-01		
60794_f_at	1.98E-05	4.95E-01	ZNF814	zinc finger protein 814
227874_at	1.99E-05	4.36E-01	EMCN	endomucin
204940_at	2.01E-05	4.72E-01	PLN	phospholamban
210405_x_at	2.05E-05	-3.35E-01	TNFRSF10B	TNF receptor superfamily member 10b
228149_at	2.05E-05	4.89E-01	BMT2	base methyltransferase of 25S rRNA 2 homolog
201168_x_at	2.05E-05	-2.96E-01	ARHGDIA	Rho GDP dissociation inhibitor alpha
201251_at	2.07E-05	-5.74E-01	PKM	pyruvate kinase, muscle
1554553_s_at	2.08E-05	-4.02E-01	YIF1B	Yip1 interacting factor homolog B, membrane trafficking protein
244741_s_at	2.11E-05	2.28E-01	ZNF667-AS1	ZNF667 antisense RNA 1 (head to head)
202450_s_at	2.12E-05	6.42E-01	CTSK	cathepsin K
203926_x_at	2.14E-05	-3.44E-01	ATP5D	ATP synthase, H+ transporting, mitochondrial F1 complex, delta subunit
1570307_s_at	2.16E-05	-1.62E-01	ST18	ST18, C2H2C-type zinc finger
226771_at	2.17E-05	4.12E-01	ATP8B2	ATPase phospholipid transporting 8B2
231980_at	2.20E-05	1.44E-01	DOK6	docking protein 6
1555222_a_at	2.20E-05	-1.33E-01	LOC101927122	uncharacterized LOC101927122
213726_x_at	2.20E-05	-3.95E-01	TUBB4B	tubulin beta 4B class IVb
208131_s_at	2.20E-05	4.45E-01	PTGIS	prostaglandin I2 (prostacyclin) synthase
204894_s_at	2.21E-05	4.20E-01	AOC3	amine oxidase, copper containing 3
230467_at	2.21E-05	-2.96E-01	TMEM52	transmembrane protein 52
1552316_a_at	2.27E-05	4.07E-01	GIMAP1	GTPase, IMAP family member 1
204749_at	2.27E-05	4.51E-01	NAP1L3	nucleosome assembly protein 1 like 3
203838_s_at	2.28E-05	-1.98E-01	TNK2	tyrosine kinase non receptor 2
212990_at	2.33E-05	3.99E-01	SYNJ1	synaptojanin 1
200986_at	2.35E-05	5.78E-01	SERPING1	serpin family G member 1
229859_at	2.36E-05	-1.89E-01		
232544_at	2.40E-05	2.08E-01		
229968_at	2.41E-05	4.06E-01		
226905_at	2.48E-05	4.74E-01	FAM101B	family with sequence similarity 101 member B
226047_at	2.48E-05	3.97E-01	MRVI1	murine retrovirus integration site 1 homolog
226876_at	2.49E-05	3.75E-01	FAM101B	family with sequence similarity 101 member B
204930_s_at	2.50E-05	-3.02E-01	BNIP1	BCL2 interacting protein 1
204619_s_at	2.53E-05	6.98E-01	VCAN	versican
230147_at	2.60E-05	7.06E-01	F2RL2	coagulation factor II thrombin receptor like 2
221933_at	2.60E-05	3.27E-01	NLGN4X	neuroligin 4, X-linked
236534_at	2.60E-05	-1.50E-01	BNIPL///C1orf56	BCL2 interacting protein like///chromosome 1 open reading frame 56
235385_at	2.63E-05	4.17E-01	MARCHF1	membrane associated ring-CH-type finger 1
215107_s_at	2.65E-05	-1.16E-01	TTC22	tetratricopeptide repeat domain 22
206091_at	2.66E-05	1.94E-01	MATN3	matrilin 3
209392_at	2.68E-05	9.18E-01	ENPP2	ectonucleotide pyrophosphatase/phosphodiesterase 2
203539_s_at	2.74E-05	-1.55E-01	GFAP	glial fibrillary acidic protein
205880_at	2.75E-05	5.15E-01	PRKD1	protein kinase D1
235471_at	2.76E-05	2.02E-01	VSTM4	V-set and transmembrane domain containing 4
227061_at	2.78E-05	3.38E-01	LINC01279	long intergenic non-protein coding RNA 1279
216323_x_at	2.78E-05	-2.96E-01	TUBA3D///TUBA3C	tubulin alpha 3d///tubulin alpha 3c
230145_at	2.78E-05	-1.20E-01	DUS3L	dihydrouridine synthase 3 like
228640_at	2.78E-05	1.01	PCDH7	protocadherin 7
235306_at	2.79E-05	4.62E-01	GIMAP8	GTPase, IMAP family member 8
226818_at	2.80E-05	6.58E-01	MPEG1	macrophage expressed 1
91952_at	2.83E-05	-2.90E-01	DCAF15	DDB1 and CUL4 associated factor 15
221731_x_at	2.86E-05	6.51E-01	VCAN	versican

1566324_a_at	2.86E-05	1.29E-01	MAF	MAF bZIP transcription factor
211730_s_at	2.88E-05	-5.81E-01	POLR2L	RNA polymerase II subunit L
230391_at	2.91E-05	4.88E-01	CD84	CD84 molecule
202988_s_at	2.92E-05	8.79E-01	RGS1	regulator of G-protein signaling 1
205923_at	2.94E-05	2.32E-01	RELN	reelin
1558118_at	2.95E-05	-1.39E-01	LOC100287576///DGCR5	uncharacterized LOC100287576///DiGeorge syndrome critical region gene 5 (non-protein coding)
218225_at	2.98E-05	-3.88E-01	ECSIT	ECSIT signalling integrator
236644_at	2.99E-05	1.08E-01	RNF180	ring finger protein 180
203504_s_at	2.99E-05	6.69E-01	ABCA1	ATP binding cassette subfamily A member 1
1553592_x_at	3.02E-05	-1.53E-01	BCRP3	breakpoint cluster region pseudogene 3
203131_at	3.03E-05	7.86E-01	PDGFRA	platelet derived growth factor receptor alpha
204863_s_at	3.03E-05	4.47E-01	IL6ST	interleukin 6 signal transducer
217525_at	3.05E-05	3.47E-01	OLFML1	olfactomedin like 1
209540_at	3.06E-05	2.31E-01	IGF1	insulin like growth factor 1
208977_x_at	3.08E-05	-4.49E-01	TUBB4B	tubulin beta 4B class IVb
208611_s_at	3.09E-05	-4.27E-01	SPTAN1	spectrin alpha, non-erythrocytic 1
226828_s_at	3.11E-05	3.12E-01	HEYL	hes related family bHLH transcription factor with YRPW motif-like
205409_at	3.26E-05	-2.05E-01	FOSL2	FOS like 2, AP-1 transcription factor subunit
230955_s_at	3.35E-05	-1.95E-01	NOL4L	nucleolar protein 4 like
1562924_at	3.35E-05	-1.41E-01	LOC340357	uncharacterized LOC340357
219584_at	3.37E-05	4.29E-01	PLA1A	phospholipase A1 member A
204273_at	3.39E-05	9.82E-01	EDNRB	endothelin receptor type B
236432_at	3.41E-05	4.44E-01		
203184_at	3.43E-05	6.58E-01	FBN2	fibrillin 2
242134_at	3.45E-05	7.02E-01		
214985_at	3.46E-05	3.66E-01	EXT1	exostosin glycosyltransferase 1
204787_at	3.49E-05	3.84E-01	VSIG4	V-set and immunoglobulin domain containing 4
226241_s_at	3.57E-05	-4.21E-01	MRPL52	mitochondrial ribosomal protein L52
221650_s_at	3.60E-05	-2.78E-01	LOC100996782///MED18	mediator of RNA polymerase II transcription subunit 18-like///mediator complex subunit 18
209228_x_at	3.61E-05	3.06E-01	TUSC3	tumor suppressor candidate 3
204688_at	3.62E-05	8.53E-01	SGCE	sarcoglycan epsilon
229461_x_at	3.63E-05	3.95E-01	NEGR1	neuronal growth regulator 1
209496_at	3.66E-05	5.68E-01	RARRES2	retinoic acid receptor responder 2
228776_at	3.70E-05	4.45E-01	GJC1	gap junction protein gamma 1
211671_s_at	3.75E-05	6.64E-01	NR3C1	nuclear receptor subfamily 3 group C member 1
230511_at	3.78E-05	3.59E-01	CREM	cAMP responsive element modulator
224233_s_at	3.78E-05	-3.16E-01	MSTO1	misato 1, mitochondrial distribution and morphology regulator
218688_at	3.84E-05	-3.89E-01	TKFC	triokinase and FMN cyclase
221667_s_at	3.90E-05	2.32E-01	HSPB8	heat shock protein family B (small) member 8
209370_s_at	3.92E-05	-2.14E-01	SH3BP2	SH3 domain binding protein 2
224357_s_at	3.93E-05	2.10E-01	MS4A4A	membrane spanning 4-domains A4A
232351_at	3.95E-05	3.31E-01		
216568_x_at	3.99E-05	-4.63E-01		
212587_s_at	4.03E-05	7.70E-01	PTPRC	protein tyrosine phosphatase, receptor type C
205099_s_at	4.07E-05	3.21E-01	CCR1	C-C motif chemokine receptor 1
213894_at	4.10E-05	2.37E-01	THSD7A	thrombospondin type 1 domain containing 7A
208379_x_at	4.19E-05	-1.62E-01	NPY2R	neuropeptide Y receptor Y2
214803_at	4.21E-05	4.21E-01	CDH6	cadherin 6
1554539_a_at	4.26E-05	-4.23E-01	RHOF	ras homolog family member F, filopodia associated
212607_at	4.29E-05	6.06E-01	AKT3	AKT serine/threonine kinase 3
201721_s_at	4.30E-05	5.95E-01	LAPTM5	lysosomal protein transmembrane 5
217786_at	4.32E-05	-4.50E-01	PRMT5	protein arginine methyltransferase 5
203697_at	4.35E-05	8.42E-01	FRZB	frizzled-related protein
218559_s_at	4.36E-05	5.79E-01	MAFB	MAF bZIP transcription factor B
216834_at	4.38E-05	6.83E-01	RGS1	regulator of G-protein signaling 1
1561286_a_at	4.38E-05	-3.64E-01	DIP2A	disco interacting protein 2 homolog A
228410_at	4.39E-05	3.23E-01	GAB3	GRB2 associated binding protein 3
218009_s_at	4.50E-05	-4.74E-01	PRC1	protein regulator of cytokinesis 1
226682_at	4.54E-05	8.05E-01	RORA	RAR related orphan receptor A
229367_s_at	4.57E-05	3.80E-01	GIMAP6	GTPase, IMAP family member 6
218522_s_at	4.59E-05	-3.53E-01	MAP1S	microtubule associated protein 1S
212955_s_at	4.62E-05	-4.49E-01	POLR2I	RNA polymerase II subunit I
206911_at	4.64E-05	-1.81E-01	TRIM25	tripartite motif containing 25
207922_s_at	4.65E-05	-3.59E-01	MAEA	macrophage erythroblast attacher
218901_at	4.69E-05	7.11E-01	PLSCR4	phospholipid scramblase 4
228218_at	4.74E-05	7.03E-01	LSAMP	limbic system-associated membrane protein
1554547_at	4.76E-05	6.61E-01	FAM13C	family with sequence similarity 13 member C
212218_s_at	4.78E-05	-4.06E-01	FASN	fatty acid synthase
206234_s_at	4.79E-05	-1.82E-01	MMP17	matrix metallopeptidase 17
204556_s_at	4.80E-05	2.07E-01	DZIP1	DAZ interacting zinc finger protein 1
1556075_at	4.82E-05	-1.05E-01	BMPR2	bone morphogenetic protein receptor type 2
219304_s_at	4.84E-05	7.47E-01	PDGFD	platelet derived growth factor D
219214_s_at	4.94E-05	-3.27E-01	NT5C	5', 3'-nucleotidase, cytosolic
230689_at	4.97E-05	5.78E-01		
217903_at	5.00E-05	-2.67E-01	STRN4	striatin 4

47550_at	5.02E-05	2.57E-01	LZTS1	leucine zipper tumor suppressor 1
207824_s_at	5.05E-05	-2.08E-01	MAZ	MYC associated zinc finger protein
226437_at	5.05E-05	-4.94E-01	YIF1B	Yip1 interacting factor homolog B, membrane trafficking protein
212139_at	5.07E-05	-3.27E-01	GCN1	GCN1, eIF2 alpha kinase activator homolog
227937_at	5.11E-05	-1.74E-01	MYPOP	Myb related transcription factor, partner of profilin
215841_at	5.11E-05	-1.41E-01	GUCA1B	guanylate cyclase activator 1B
31637_s_at	5.14E-05	-2.43E-01	NR1D1///THRA	nuclear receptor subfamily 1 group D member 1///thyroid hormone receptor, alpha
230422_at	5.15E-05	5.61E-01	FPR3	formyl peptide receptor 3
204793_at	5.15E-05	4.36E-01	GPRASP1	G protein-coupled receptor associated sorting protein 1
206074_s_at	5.19E-05	-4.80E-01	HMGA1	high mobility group AT-hook 1
1553178_a_at	5.21E-05	-1.14E-01	SSTR3	somatostatin receptor 3
228071_at	5.22E-05	7.16E-01	GIMAP7	GTPase, IMAP family member 7
210575_at	5.24E-05	-1.22E-01	NUDC	nuclear distribution C, dynein complex regulator
229942_at	5.24E-05	2.84E-01	BNC2	basonuclin 2
201858_s_at	5.25E-05	7.51E-01	SRGN	serglycin
222162_s_at	5.27E-05	6.47E-01	ADAMTS1	ADAM metallopeptidase with thrombospondin type 1 motif 1
238673_at	5.29E-05	7.28E-01	SAMD12	sterile alpha motif domain containing 12
64438_at	5.30E-05	-1.98E-01	OGFOD3	2-oxoglutarate and iron dependent oxygenase domain containing 3
242388_x_at	5.31E-05	3.54E-01	TAGAP	T-cell activation RhoGTPase activating protein
212588_at	5.37E-05	8.04E-01	PTPRC	protein tyrosine phosphatase, receptor type C
203710_at	5.44E-05	4.41E-01	ITPR1	inositol 1,4,5-trisphosphate receptor type 1
216490_x_at	5.48E-05	-1.78E-01		
217066_s_at	5.49E-05	-1.50E-01	DMPK	dystrophia myotonica protein kinase
219315_s_at	5.50E-05	3.66E-01	TMEM204	transmembrane protein 204
201979_s_at	5.55E-05	-2.08E-01	PPP5C	protein phosphatase 5 catalytic subunit
226397_s_at	5.57E-05	3.01E-01	PHACTR1	phosphatase and actin regulator 1
204589_at	5.58E-05	5.17E-01	NUAK1	NUAK family kinase 1
211716_x_at	5.59E-05	-3.19E-01	ARHGDIA	Rho GDP dissociation inhibitor alpha
223425_at	5.59E-05	-2.51E-01	RAVER1	ribonucleoprotein, PTB binding 1
201616_s_at	5.63E-05	6.64E-01	CALD1	caldesmon 1
241752_at	5.66E-05	1.35E-01	SLC8A1	solute carrier family 8 member A1
211905_s_at	5.78E-05	-1.79E-01	ITGB4	integrin subunit beta 4
227370_at	5.80E-05	5.81E-01	FAM171B	family with sequence similarity 171 member B
1555731_a_at	5.86E-05	-4.60E-01	AP1S3	adaptor related protein complex 1 sigma 3 subunit
1554192_s_at	5.87E-05	-1.95E-01	TRMT44	tRNA methyltransferase 44 homolog (S. cerevisiae)
209518_at	5.93E-05	-1.85E-01	SMARCD1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1
204726_at	5.95E-05	3.58E-01	CDH13	cadherin 13
202202_s_at	6.01E-05	4.66E-01	LAMA4	laminin subunit alpha 4
229356_x_at	6.03E-05	-2.38E-01	INO80	INO80 complex subunit
238408_at	6.04E-05	6.70E-01		
219892_at	6.04E-05	2.61E-01	TM6SF1	transmembrane 6 superfamily member 1
241370_at	6.07E-05	6.77E-01	LOC286052	uncharacterized LOC286052
209901_x_at	6.09E-05	3.54E-01	AIF1	allograft inflammatory factor 1
207410_s_at	6.09E-05	-1.25E-01	TLX2	T-cell leukemia homeobox 2
201716_at	6.10E-05	-3.35E-01	SNX1	sorting nexin 1
240590_at	6.15E-05	-1.27E-01	SPATA3-AS1	SPATA3 antisense RNA 1 (head to head)
223393_s_at	6.18E-05	3.49E-01	TSHZ3	teashirt zinc finger homeobox 3
243481_at	6.18E-05	1.55E-01	RHOJ	ras homolog family member J
201175_at	6.22E-05	-3.71E-01	TMX2	thioredoxin related transmembrane protein 2
229487_at	6.27E-05	2.36E-01	EBF1	early B-cell factor 1
244593_at	6.33E-05	-1.44E-01	HID1	HID1 domain containing
227691_at	6.36E-05	-1.43E-01	AKAP8L	A-kinase anchoring protein 8 like
205280_at	6.45E-05	1.97E-01	GLRB	glycine receptor beta
1560439_at	6.48E-05	-1.29E-01	LINGO3	leucine rich repeat and Ig domain containing 3
224310_s_at	6.51E-05	-1.41E-01	BCL11B	B-cell CLL/lymphoma 11B
204620_s_at	6.57E-05	5.86E-01	VCAN	versican
211546_x_at	6.66E-05	-1.33E-01	SNCA	synuclein alpha
204959_at	6.69E-05	6.37E-01	MNDA	myeloid cell nuclear differentiation antigen
1566168_at	6.76E-05	-1.28E-01		
226201_at	6.85E-05	-3.13E-01	DOT1L	DOT1 like histone lysine methyltransferase
1555938_x_at	6.90E-05	4.83E-01	VIM	vimentin
244455_at	6.92E-05	1.91E-01	KCNT2	potassium sodium-activated channel subfamily T member 2
212432_at	6.93E-05	-4.39E-01	GRPEL1	GrpE like 1, mitochondrial
211222_s_at	6.95E-05	-1.53E-01	HAP1	huntingtin associated protein 1
1554864_a_at	6.98E-05	-1.36E-01	SDC3	syndecan 3
219947_at	7.04E-05	6.25E-01	CLEC4A	C-type lectin domain family 4 member A
1554728_at	7.18E-05	-1.00E-01	SLC9A1	solute carrier family 9 member A1
241827_at	7.25E-05	5.30E-01	ZNF615	zinc finger protein 615
226931_at	7.30E-05	3.97E-01	TMTC1	transmembrane and tetratricopeptide repeat containing 1
220630_s_at	7.32E-05	-1.65E-01	CHIA	chitinase, acidic
219213_at	7.33E-05	2.68E-01	JAM2	junctional adhesion molecule 2
213041_s_at	7.34E-05	-5.00E-01	ATP5D	ATP synthase, H+ transporting, mitochondrial F1 complex, delta subunit
214423_x_at	7.40E-05	-1.33E-01	ALDOB	aldolase, fructose-bisphosphate B
226607_at	7.44E-05	3.18E-01	C20orf194	chromosome 20 open reading frame 194
236393_at	7.45E-05	-1.45E-01		

212354_at	7.46E-05	7.53E-01	SULF1	sulfatase 1
210806_at	7.46E-05	-1.64E-01	TTLL5	tubulin tyrosine ligase like 5
64418_at	7.47E-05	3.42E-01	SYNRG	synergin, gamma
218105_s_at	7.58E-05	-3.78E-01	MRPL4	mitochondrial ribosomal protein L4
202167_s_at	7.59E-05	-3.72E-01	MMS19	MMS19 homolog, cytosolic iron-sulfur assembly component
213543_at	7.63E-05	2.86E-01	SGCD	sarcoglycan delta
1553594_a_at	7.69E-05	-1.49E-01	INSL3	insulin like 3
230866_at	7.79E-05	3.85E-01	CYSLTR1	cysteinyl leukotriene receptor 1
201865_x_at	7.81E-05	5.87E-01	NR3C1	nuclear receptor subfamily 3 group C member 1
226664_at	7.83E-05	-3.25E-01	TBC1D20	TBC1 domain family member 20
214927_at	7.92E-05	4.32E-01	ITGBL1	integrin subunit beta like 1
226641_at	7.96E-05	7.28E-01	ANKRD44	ankyrin repeat domain 44
225285_at	7.97E-05	6.53E-01	BCAT1	branched chain amino acid transaminase 1
229127_at	7.98E-05	2.11E-01	JAM2	junctional adhesion molecule 2
238472_at	8.03E-05	3.63E-01	FBXO9	F-box protein 9
218780_at	8.07E-05	-3.40E-01	HOOK2	hook microtubule tethering protein 2
235438_at	8.07E-05	4.49E-01	CYP7B1	cytochrome P450 family 7 subfamily B member 1
206702_at	8.07E-05	4.53E-01	TEK	TEK receptor tyrosine kinase
216063_at	8.09E-05	-1.39E-01	HBBP1	hemoglobin subunit beta pseudogene 1
1556209_at	8.11E-05	2.66E-01	CLEC2B	C-type lectin domain family 2 member B
210704_at	8.16E-05	-1.32E-01	FEZ2	fasciculation and elongation protein zeta 2
228423_at	8.20E-05	1.2	MAP9	microtubule associated protein 9
242845_at	8.23E-05	1.29E-01	RUNX1T1	RUNX1 translocation partner 1
220635_at	8.25E-05	-1.72E-01	PSORS1C2	psoriasis susceptibility 1 candidate 2
209031_at	8.26E-05	8.37E-01	CADM1	cell adhesion molecule 1
218824_at	8.30E-05	3.08E-01	PNMAL1	paraneoplastic Ma antigen family like 1
214794_at	8.31E-05	-4.47E-01	PA2G4	proliferation-associated 2G4
226677_at	8.35E-05	4.57E-01	ZNF521	zinc finger protein 521
219554_at	8.39E-05	-3.61E-01	RHCG	Rh family C glycoprotein
220894_x_at	8.49E-05	-1.79E-01	PRDM12	PR/SET domain 12
209199_s_at	8.61E-05	5.21E-01	MEF2C	myocyte enhancer factor 2C
203254_s_at	8.62E-05	-2.33E-01	TLN1	talin 1
206420_at	8.63E-05	5.06E-01	IGSF6	immunoglobulin superfamily member 6
209473_at	8.64E-05	3.70E-01	ENTPD1	ectonucleoside triphosphate diphosphohydrolase 1
229802_at	8.66E-05	7.06E-01	WISP1	WNT1 inducible signaling pathway protein 1
222440_s_at	8.76E-05	-1.48E-01	THRAP3	thyroid hormone receptor associated protein 3
218521_s_at	8.81E-05	4.40E-01	UBE2W	ubiquitin conjugating enzyme E2 W (putative)
224710_at	8.83E-05	3.29E-01	NARR///RAB34	nine-amino acid residue-repeats///RAB34, member RAS oncogene family
240845_at	8.85E-05	4.11E-01		
202109_at	8.86E-05	-3.24E-01	ARFIP2	ADP ribosylation factor interacting protein 2
1560620_at	8.86E-05	-1.78E-01	KCNK15	potassium two pore domain channel subfamily K member 15
222349_x_at	8.88E-05	-2.32E-01	RNF126P1	ring finger protein 126 pseudogene 1
227394_at	8.94E-05	2.77E-01	NCAM1	neural cell adhesion molecule 1
233534_at	9.06E-05	-9.30E-02	KRTAP3-2	keratin associated protein 3-2
208357_x_at	9.17E-05	-1.27E-01	CSH1	chorionic somatomammotropin hormone 1
237387_at	9.18E-05	2.33E-01		
216675_at	9.33E-05	-1.48E-01		
210328_at	9.34E-05	-1.60E-01	GNMT	glycine N-methyltransferase
231297_at	9.38E-05	-2.04E-01	DOT1L	DOT1 like histone lysine methyltransferase
1560359_at	9.39E-05	4.70E-01	ITGA1	integrin subunit alpha 1
1552395_at	9.44E-05	-1.84E-01	TSSK3	testis specific serine kinase 3
215504_x_at	9.57E-05	2.56E-01	ANKRD10-IT1	ANKRD10 intronic transcript 1
216865_at	9.64E-05	-1.19E-01	COL14A1	collagen type XIV alpha 1 chain
204052_s_at	9.67E-05	8.63E-01	SFRP4	secreted frizzled related protein 4
230371_at	9.69E-05	-1.18E-01	HPS6	HPS6, biogenesis of lysosomal organelles complex 2 subunit 3
236933_at	9.71E-05	-1.34E-01	EVPLL	envoplakin like
227082_at	9.72E-05	6.73E-01	ZBTB20	zinc finger and BTB domain containing 20
204069_at	9.73E-05	4.87E-01	MEIS1	Meis homeobox 1
229969_at	9.73E-05	4.37E-01	SEC63	SEC63 homolog, protein translocation regulator
210762_s_at	9.79E-05	5.25E-01	DLC1	DLC1 Rho GTPase activating protein
203550_s_at	9.79E-05	-2.61E-01	FAM189B	family with sequence similarity 189 member B
1554386_at	9.92E-05	-1.37E-01	CST9	cystatin 9
1562910_at	9.96E-05	-1.44E-01	SH3PXD2B	SH3 and PX domains 2B
205015_s_at	1.01E-04	-1.47E-01	TGFA	transforming growth factor alpha
223857_x_at	1.01E-04	-3.36E-01	EMC4	ER membrane protein complex subunit 4
1555715_a_at	1.01E-04	-1.49E-01	HRH3	histamine receptor H3
204424_s_at	1.01E-04	2.88E-01	LMO3	LIM domain only 3
44617_at	1.03E-04	-2.50E-01	OGFOD2	2-oxoglutarate and iron dependent oxygenase domain containing 2
204570_at	1.03E-04	2.88E-01	COX7A1	cytochrome c oxidase subunit 7A1
1553952_at	1.03E-04	-1.66E-01	ZDHHC19	zinc finger DHHC-type containing 19
210100_s_at	1.04E-04	-1.50E-01	ABCA2	ATP binding cassette subfamily A member 2
224019_at	1.04E-04	-1.16E-01	SCD5	stearoyl-CoA desaturase 5
225912_at	1.05E-04	5.82E-01	TP53INP1	tumor protein p53 inducible nuclear protein 1
227549_x_at	1.05E-04	-2.27E-01	ZDHHC24	zinc finger DHHC-type containing 24
221000_s_at	1.05E-04	-1.91E-01	KAZALD1	Kazal type serine peptidase inhibitor domain 1
225103_at	1.05E-04	-3.97E-01	MRPL38	mitochondrial ribosomal protein L38
223694_at	1.05E-04	-8.08E-01	TRIM7	tripartite motif containing 7

211012_s_at	1.07E-04	-2.71E-01	PML	promyelocytic leukemia
223809_at	1.07E-04	4.38E-01	RGS18	regulator of G-protein signaling 18
224913_s_at	1.07E-04	-5.25E-01	TIMM50	translocase of inner mitochondrial membrane 50
225350_s_at	1.07E-04	2.90E-01	ZYG11B	zyg-11 family member B, cell cycle regulator
221900_at	1.08E-04	3.34E-01	COL8A2	collagen type VIII alpha 2 chain
206953_s_at	1.09E-04	5.05E-01	ADGRL2	adhesion G protein-coupled receptor L2
209687_at	1.09E-04	6.43E-01	CXCL12	C-X-C motif chemokine ligand 12
211662_s_at	1.10E-04	-3.40E-01	VDAC2	voltage dependent anion channel 2
216243_s_at	1.10E-04	-1.76E-01	IL1RN	interleukin 1 receptor antagonist
226517_at	1.10E-04	7.07E-01	BCAT1	branched chain amino acid transaminase 1
229912_at	1.10E-04	1.87E-01	SDK1	sidekick cell adhesion molecule 1
226425_at	1.11E-04	6.49E-01	CLIP4	CAP-Gly domain containing linker protein family member 4
202945_at	1.11E-04	-3.05E-01	FPGS	folylpolyglutamate synthase
201441_at	1.11E-04	-3.31E-01	COX6B1	cytochrome c oxidase subunit 6B1
1555943_at	1.12E-04	-2.90E-01	PGAM5	PGAM family member 5, mitochondrial serine/threonine protein phosphatase
1554967_at	1.12E-04	-1.41E-01	DIP2A	disco interacting protein 2 homolog A
230413_s_at	1.13E-04	6.09E-01		
226103_at	1.13E-04	6.26E-01	NEXN	nexilin F-actin binding protein
202475_at	1.13E-04	-3.83E-01	TMEM147	transmembrane protein 147
1563302_at	1.14E-04	-1.19E-01	LOC101927534	uncharacterized LOC101927534
210775_x_at	1.14E-04	-2.16E-01	CASP9	caspase 9
211794_at	1.15E-04	2.92E-01	FYB	FYN binding protein
214462_at	1.15E-04	-3.24E-01	SOCS6	suppressor of cytokine signaling 6
202415_s_at	1.15E-04	-3.42E-01	HSPBP1	HSPA (Hsp70) binding protein 1
201859_at	1.16E-04	5.55E-01	SRGN	serglycin
228225_at	1.17E-04	3.38E-01	PEX2	peroxisomal biogenesis factor 2
227405_s_at	1.18E-04	2.89E-01	MIR4683///FZD8	microRNA 4683///frizzled class receptor 8
230071_at	1.18E-04	4.34E-01	11-9	septin 11
209126_x_at	1.19E-04	-2.66E-01	KRT6B	keratin 6B
213781_at	1.21E-04	-1.51E-01	PPP1R37	protein phosphatase 1 regulatory subunit 37
203416_at	1.21E-04	5.24E-01	CD53	CD53 molecule
230130_at	1.21E-04	8.58E-01	SLIT2	slit guidance ligand 2
217140_s_at	1.22E-04	-5.12E-01	VDAC1	voltage dependent anion channel 1
217762_s_at	1.22E-04	5.52E-01	RAB31	RAB31, member RAS oncogene family
212670_at	1.23E-04	1.42E-01	ELN	elastin
224468_s_at	1.23E-04	-4.12E-01	SNORD88C///C19orf48	small nucleolar RNA, C/D box 88C///chromosome 19 open reading frame 48
215581_s_at	1.24E-04	-1.28E-01	MCM3AP	minichromosome maintenance complex component 3 associated protein
236179_at	1.24E-04	5.86E-01	CDH11	cadherin 11
231629_x_at	1.24E-04	-1.68E-01	KLK3	kallikrein related peptidase 3
236125_at	1.25E-04	5.46E-01		
230024_at	1.25E-04	-2.24E-01	AARS2	alanyl-tRNA synthetase 2, mitochondrial
223389_s_at	1.25E-04	-3.64E-01	ZNF581	zinc finger protein 581
209030_s_at	1.26E-04	4.77E-01	CADM1	cell adhesion molecule 1
228728_at	1.26E-04	7.27E-01	CPED1	cadherin like and PC-esterase domain containing 1
201226_at	1.27E-04	-4.28E-01	NDUFB8	NADH:ubiquinone oxidoreductase subunit B8
219506_at	1.27E-04	3.79E-01	C1orf54	chromosome 1 open reading frame 54
225357_s_at	1.28E-04	-1.96E-01	INO80	INO80 complex subunit
232569_at	1.28E-04	2.61E-01		
1557961_s_at	1.28E-04	2.88E-01	C8orf88	chromosome 8 open reading frame 88
226498_at	1.28E-04	5.10E-01	FLT1	fms related tyrosine kinase 1
216381_x_at	1.29E-04	-4.58E-01	AKR7A3	aldo-keto reductase family 7 member A3
211675_s_at	1.29E-04	7.08E-01	MDFIC	MyoD family inhibitor domain containing
209541_at	1.29E-04	4.96E-01	IGF1	insulin like growth factor 1
202154_x_at	1.29E-04	-4.18E-01	TUBB3	tubulin beta 3 class III
228397_at	1.29E-04	4.50E-01	TUG1	taurine up-regulated 1 (non-protein coding)
218204_s_at	1.30E-04	3.62E-01	FYCO1	FYVE and coiled-coil domain containing 1
238031_at	1.30E-04	-1.61E-01	LOC101928707	uncharacterized LOC101928707
209071_s_at	1.31E-04	6.68E-01	RGS5	regulator of G-protein signaling 5
205422_s_at	1.31E-04	5.76E-01	ITGBL1	integrin subunit beta like 1
207720_at	1.31E-04	-1.22E-01	LOR	loricrin
234141_s_at	1.32E-04	-1.46E-01	LOC286059	tumor necrosis factor receptor superfamily member 10d, decoy with truncated death domain pseudogene
1559280_a_at	1.32E-04	2.79E-01	APELA	apelin receptor early endogenous ligand
1561179_s_at	1.32E-04	-1.31E-01	AMZ1	archaelysin family metallopeptidase 1
212154_at	1.33E-04	4.86E-01	SDC2	syndecan 2
223444_at	1.33E-04	4.12E-01	SENP7	SUMO1/sentrin specific peptidase 7
1553361_x_at	1.34E-04	-1.41E-01	FBXL18	F-box and leucine rich repeat protein 18
210966_x_at	1.34E-04	-3.00E-01	LARP1	La ribonucleoprotein domain family member 1
1554499_s_at	1.34E-04	-1.66E-01	PPA2	pyrophosphatase (inorganic) 2
1556299_s_at	1.34E-04	-1.08E-01	C12orf76	chromosome 12 open reading frame 76
227237_x_at	1.36E-04	-2.76E-01	ATAD3B	ATPase family, AAA domain containing 3B
1568598_at	1.36E-04	-1.98E-01	KAZALD1	Kazal type serine peptidase inhibitor domain 1
204115_at	1.37E-04	4.48E-01	GNG11	G protein subunit gamma 11
48659_at	1.37E-04	-2.28E-01	MIIP	migration and invasion inhibitory protein
210095_s_at	1.37E-04	6.00E-01	IGFBP3	insulin like growth factor binding protein 3
206134_at	1.37E-04	1.07	ADAMDEC1	ADAM like decysin 1
1558801_at	1.37E-04	5.60E-01	NNT-AS1	NNT antisense RNA 1

205273_s_at	1.39E-04	-3.50E-01	PITRM1	pitrilysin metallopeptidase 1
214738_s_at	1.39E-04	-1.52E-01	NEK9	NIMA related kinase 9
220638_s_at	1.41E-04	-5.20E-01	CBLC	Cbl proto-oncogene C
204331_s_at	1.42E-04	-6.04E-01	MRPS12	mitochondrial ribosomal protein S12
225719_s_at	1.42E-04	-2.89E-01	MRPL55	mitochondrial ribosomal protein L55
214969_at	1.43E-04	-1.84E-01	MAP3K9	mitogen-activated protein kinase kinase kinase 9
203500_at	1.43E-04	-3.17E-01	GCDH	glutaryl-CoA dehydrogenase
243464_at	1.43E-04	-1.27E-01		
214991_s_at	1.44E-04	-2.39E-01	PIGO	phosphatidylinositol glycan anchor biosynthesis class O
220258_s_at	1.45E-04	-2.21E-01	WRAP53	WD repeat containing antisense to TP53
205269_at	1.45E-04	5.89E-01	LCP2	lymphocyte cytosolic protein 2
1553808_a_at	1.45E-04	4.11E-01	NKX2-3	NK2 homeobox 3
236862_at	1.46E-04	5.31E-01	GOPC	golgi associated PDZ and coiled-coil motif containing
230257_s_at	1.47E-04	-2.65E-01	TSEN15	tRNA splicing endonuclease subunit 15
235494_at	1.48E-04	2.65E-01	LSAMP	limbic system-associated membrane protein
1560618_at	1.48E-04	-1.42E-01		
231889_at	1.49E-04	-1.08E-01	UBR4	ubiquitin protein ligase E3 component n-recognin 4
227510_x_at	1.51E-04	5.91E-01	MALAT1	metastasis associated lung adenocarcinoma transcript 1 (non-protein coding)
224531_at	1.54E-04	-1.24E-01	GPR61	G protein-coupled receptor 61
231807_at	1.54E-04	4.11E-01	KIAA1217	KIAA1217
227265_at	1.55E-04	8.24E-01	FGL2	fibrinogen like 2
213940_s_at	1.55E-04	3.91E-01	FNBP1	formin binding protein 1
225897_at	1.55E-04	4.65E-01	MARCKS	myristoylated alanine rich protein kinase C substrate
228766_at	1.55E-04	3.23E-01	CD36	CD36 molecule
1558463_s_at	1.55E-04	-1.52E-01	LMF1	lipase maturation factor 1
228508_at	1.56E-04	-1.12E-01	MAML3	mastermind like transcriptional coactivator 3
202712_s_at	1.56E-04	-6.67E-01	CKMT1A///CKMT1B	creatine kinase, mitochondrial 1A///creatine kinase, mitochondrial 1B
205515_at	1.57E-04	-3.32E-01	PRSS12	protease, serine 12
211752_s_at	1.57E-04	-4.88E-01	NDUFS7	NADH:ubiquinone oxidoreductase core subunit S7
1552641_s_at	1.58E-04	-2.96E-01	ATAD3B///ATAD3A	ATPase family, AAA domain containing 3B///ATPase family, AAA domain containing 3A
205686_s_at	1.58E-04	3.70E-01	CD86	CD86 molecule
221489_s_at	1.58E-04	-3.98E-01	SPRY4	sprouty RTK signaling antagonist 4
218644_at	1.59E-04	-4.67E-01	PLEK2	pleckstrin 2
243467_at	1.59E-04	-1.17E-01		
232557_at	1.60E-04	-1.11E-01	UBAP1L	ubiquitin associated protein 1 like
234273_at	1.60E-04	-1.65E-01		
1569434_at	1.61E-04	-1.23E-01	C14orf105	chromosome 14 open reading frame 105
205419_at	1.62E-04	6.66E-01	GPR183	G protein-coupled receptor 183
213002_at	1.63E-04	3.82E-01	MARCKS	myristoylated alanine rich protein kinase C substrate
203931_s_at	1.63E-04	-4.37E-01	MRPL12	mitochondrial ribosomal protein L12
209227_at	1.63E-04	2.23E-01	TUSC3	tumor suppressor candidate 3
228202_at	1.64E-04	2.70E-01		
211795_s_at	1.64E-04	5.85E-01	FYB	FYN binding protein
224607_s_at	1.65E-04	-3.12E-01	SRP68	signal recognition particle 68
230109_at	1.66E-04	2.21E-01	PDE7B	phosphodiesterase 7B
1561394_s_at	1.66E-04	1.87E-01	KIAA1755	KIAA1755
209372_x_at	1.67E-04	-2.78E-01	TUBB2B///TUBB2A	tubulin beta 2B class IIb///tubulin beta 2A class IIa
204642_at	1.67E-04	2.35E-01	S1PR1	sphingosine-1-phosphate receptor 1
1554773_at	1.68E-04	-1.22E-01	WFIKKN2	WAP, follistatin/kazal, immunoglobulin, kunitz and netrin domain containing 2
230836_at	1.68E-04	6.14E-01	ST8SIA4	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 4
235044_at	1.68E-04	3.64E-01	CYYR1	cysteine and tyrosine rich 1
228297_at	1.69E-04	5.40E-01	CNN3	calponin 3
238592_at	1.70E-04	4.02E-01		
201167_x_at	1.70E-04	-2.35E-01	ARHGDIA	Rho GDP dissociation inhibitor alpha
1552914_a_at	1.70E-04	-1.62E-01	CD276	CD276 molecule
221698_s_at	1.72E-04	4.32E-01	CLEC7A	C-type lectin domain family 7 member A
205648_at	1.73E-04	4.38E-01	WNT2	Wnt family member 2
1555548_at	1.73E-04	-1.18E-01	NDUFA10	NADH:ubiquinone oxidoreductase subunit A10
229130_at	1.73E-04	5.05E-01		
222611_s_at	1.73E-04	-1.85E-01	PSPC1	paraspeckle component 1
214448_x_at	1.74E-04	-2.17E-01	NFKBIB	NFKB inhibitor beta
227858_at	1.74E-04	-1.72E-01	PCNX3	pecanex homolog 3 (Drosophila)
201743_at	1.75E-04	5.35E-01	CD14	CD14 molecule
209347_s_at	1.75E-04	-1.07E-01	MAF	MAF bZIP transcription factor
240345_x_at	1.76E-04	-1.27E-01		
212288_at	1.77E-04	4.62E-01	FNBP1	formin binding protein 1
214916_x_at	1.77E-04	3.16E-01	IGHV3-23///IGHV4-31///IGHM///IGHG3///IGHG1///IGHA2///IGHA1	immunoglobulin heavy variable 3-23///immunoglobulin heavy variable 4-31///immunoglobulin heavy constant mu///immunoglobulin heavy constant gamma 3 (G3m marker)///immunoglobulin heavy constant gamma 1 (G1m marker)///immunoglobulin heavy constant alpha 2 (A2m marker)///immunoglobulin heavy constant alpha 1
202920_at	1.77E-04	3.39E-01	ANK2	ankyrin 2, neuronal
236789_at	1.77E-04	-8.78E-02	MAPT-AS1	MAPT antisense RNA 1
233550_s_at	1.77E-04	-1.82E-01	SLC4A11	solute carrier family 4 member 11
216383_at	1.78E-04	-2.88E-01		
204178_s_at	1.78E-04	-3.07E-01	RBM14	RNA binding motif protein 14

206760_s_at	1.79E-04	-1.38E-01	FCER2	Fc fragment of IgE receptor II
204267_x_at	1.79E-04	-2.20E-01	PKMYT1	protein kinase, membrane associated tyrosine/threonine 1
1555878_at	1.79E-04	-4.22E-01	RPS24	ribosomal protein S24
218664_at	1.79E-04	-2.68E-01	MECR	mitochondrial trans-2-enoyl-CoA reductase
228532_at	1.81E-04	3.67E-01	C1orf162	chromosome 1 open reading frame 162
212991_at	1.81E-04	2.41E-01	FBXO9	F-box protein 9
232568_at	1.81E-04	3.41E-01	MGC24103	uncharacterized MGC24103
210594_x_at	1.81E-04	-2.84E-01	MPZL1	myelin protein zero like 1
236437_at	1.82E-04	4.62E-01		
216602_s_at	1.83E-04	-4.97E-01	FARSA	phenylalanyl-tRNA synthetase alpha subunit
212193_s_at	1.84E-04	-4.41E-01	LARP1	La ribonucleoprotein domain family member 1
205934_at	1.84E-04	3.61E-01	PLCL1	phospholipase C like 1
1559914_at	1.84E-04	-9.85E-02		
200664_s_at	1.85E-04	-5.67E-01	DNAJB1	DnaJ heat shock protein family (Hsp40) member B1
213156_at	1.85E-04	5.87E-01	ZBTB20	zinc finger and BTB domain containing 20
226885_at	1.86E-04	1.3	RNF217	ring finger protein 217
1555360_a_at	1.87E-04	-2.38E-01	DNAJC11	DnaJ heat shock protein family (Hsp40) member C11
44563_at	1.87E-04	-2.55E-01	WRAP53	WD repeat containing antisense to TP53
218603_at	1.87E-04	3.37E-01	HECA	hdc homolog, cell cycle regulator
201231_s_at	1.88E-04	-4.60E-01	ENO1	enolase 1
1562675_at	1.88E-04	-1.10E-01	FAAP20	Fanconi anemia core complex associated protein 20
225118_at	1.88E-04	-2.26E-01	KMT5A	lysine methyltransferase 5A
221645_s_at	1.89E-04	7.13E-01	ZNF83	zinc finger protein 83
223003_at	1.89E-04	-3.74E-01	C19orf43	chromosome 19 open reading frame 43
1569520_at	1.90E-04	-1.75E-01	LOC101929747	uncharacterized LOC101929747
202237_at	1.91E-04	6.45E-01	LOC101928916///NNMT	uncharacterized LOC101928916///nicotinamide N-methyltransferase
235458_at	1.91E-04	3.72E-01	HAVCR2	hepatitis A virus cellular receptor 2
219228_at	1.91E-04	7.66E-01	ZNF331	zinc finger protein 331
203887_s_at	1.91E-04	4.68E-01	THBD	thrombomodulin
214302_x_at	1.91E-04	-1.44E-01	GJC2	gap junction protein gamma 2
1555751_a_at	1.92E-04	-2.84E-01	GEMIN7	gem nuclear organelle associated protein 7
238816_at	1.92E-04	-1.52E-01	PSEN1	presenilin 1
219358_s_at	1.92E-04	2.49E-01	ADAP2	ArfGAP with dual PH domains 2
201497_x_at	1.92E-04	3.90E-01	MYH11	myosin heavy chain 11
216641_s_at	1.93E-04	-2.83E-01	LAD1	ladinin 1
206596_s_at	1.93E-04	-1.23E-01	NRL	neural retina leucine zipper
1555734_x_at	1.93E-04	-2.24E-01	AP1S3	adaptor related protein complex 1 sigma 3 subunit
1554985_at	1.94E-04	1.69E-01	ZNF396	zinc finger protein 396
216299_s_at	1.94E-04	-2.17E-01	XRCC3	X-ray repair cross complementing 3
218702_at	1.95E-04	-3.45E-01	SARS2	seryl-tRNA synthetase 2, mitochondrial
212038_s_at	1.96E-04	-5.08E-01	VDAC1	voltage dependent anion channel 1
235432_at	1.97E-04	4.15E-01	NPHP3	nephronophthisis 3 (adolescent)
1559946_s_at	1.97E-04	-3.87E-01	RUVBL2	RuvB like AAA ATPase 2
210620_s_at	1.98E-04	-1.86E-01	GTF3C2	general transcription factor IIIC subunit 2
221700_s_at	1.98E-04	-2.35E-01	UBA52	ubiquitin A-52 residue ribosomal protein fusion product 1
1556479_at	1.98E-04	-1.37E-01		
1561136_at	1.98E-04	-7.67E-02	GYPE	glycophorin E (MNS blood group)
201377_at	1.99E-04	-3.48E-01	UBAP2L	ubiquitin associated protein 2 like
244824_at	1.99E-04	-1.43E-01	LINC01563	long intergenic non-protein coding RNA 1563
208074_s_at	1.99E-04	-4.19E-01	AP2S1	adaptor related protein complex 2 sigma 1 subunit
227212_s_at	2.00E-04	-4.14E-01	PHF19	PHD finger protein 19
1557233_at	2.01E-04	-1.04E-01	F11-AS1	F11 antisense RNA 1
215099_s_at	2.01E-04	-1.38E-01	RXRB	retinoid X receptor beta
231481_at	2.02E-04	-1.53E-01	CCNB3	cyclin B3
205249_at	2.03E-04	4.79E-01	EGR2	early growth response 2
31861_at	2.03E-04	-1.34E-01	IGHMBP2	immunoglobulin mu binding protein 2
203091_at	2.03E-04	-2.09E-01	FUBP1	far upstream element binding protein 1
241003_at	2.03E-04	-1.16E-01		
226066_at	2.03E-04	5.47E-01	MITF	melanogenesis associated transcription factor
211161_s_at	2.04E-04	4.94E-01	COL3A1	collagen type III alpha 1 chain
230214_at	2.07E-04	3.37E-01	MRVI1	murine retrovirus integration site 1 homolog
204495_s_at	2.09E-04	-2.95E-01	C15orf39	chromosome 15 open reading frame 39
203106_s_at	2.10E-04	2.94E-01	VPS41	VPS41, HOPS complex subunit
240962_at	2.10E-04	-1.55E-01		
233206_at	2.12E-04	-1.46E-01	SLC22A23	solute carrier family 22 member 23
214346_at	2.13E-04	-9.23E-02	C1QL1	complement C1q like 1
210022_at	2.13E-04	-1.86E-01	PCGF1	polycomb group ring finger 1
204989_s_at	2.14E-04	-2.35E-01	ITGB4	integrin subunit beta 4
215513_at	2.15E-04	5.07E-01	HYMAI	hydatidiform mole associated and imprinted (non-protein coding)
1559352_a_at	2.16E-04	-1.60E-01	MAFG-AS1	MAFG antisense RNA 1 (head to head)
200076_s_at	2.17E-04	-1.65E-01	KXD1	KxDL motif containing 1
210895_s_at	2.17E-04	4.67E-01	CD86	CD86 molecule
201903_at	2.18E-04	-5.01E-01	UQCRC1	ubiquinol-cytochrome c reductase core protein I
232854_at	2.18E-04	-1.21E-01	DIRAS1	DIRAS family GTPase 1
207196_s_at	2.18E-04	-3.17E-01	TNIP1	TNFAIP3 interacting protein 1
215792_s_at	2.19E-04	-2.99E-01	DNAJC11	DnaJ heat shock protein family (Hsp40) member C11

1564937_at	2.19E-04	-9.13E-02		
228974_at	2.20E-04	6.12E-01	ZNF677	zinc finger protein 677
233250_x_at	2.20E-04	-1.31E-01	FOXRED2	FAD dependent oxidoreductase domain containing 2
218305_at	2.20E-04	-3.98E-01	IPO4	importin 4
204135_at	2.21E-04	5.11E-01	FILIP1L	filamin A interacting protein 1 like
214625_s_at	2.23E-04	-1.27E-01	MINK1	misshapen like kinase 1
223921_s_at	2.24E-04	-1.90E-01	GBA2	glucosylceramidase beta 2
218880_at	2.24E-04	-5.07E-01	FOSL2	FOS like 2, AP-1 transcription factor subunit
238668_at	2.25E-04	5.84E-01	NCKAP1L	NCK associated protein 1 like
1560579_s_at	2.26E-04	-4.30E-01	SLC16A1-AS1	SLC16A1 antisense RNA 1
234436_x_at	2.27E-04	-1.42E-01	OBP2A	odorant binding protein 2A
229830_at	2.27E-04	7.10E-01		
206488_s_at	2.27E-04	4.16E-01	CD36	CD36 molecule
243529_at	2.28E-04	-3.66E-01	MARS2	methionyl-tRNA synthetase 2, mitochondrial
202283_at	2.28E-04	5.84E-01	SERPINF1	serpin family F member 1
221250_s_at	2.28E-04	-1.47E-01	MXD3	MAX dimerization protein 3
217099_s_at	2.28E-04	-3.83E-01	GEMIN4	gem nuclear organelle associated protein 4
235914_at	2.29E-04	-2.13E-01	SYNPO	synaptopodin
222060_at	2.30E-04	-3.19E-01	KRT8P12	keratin 8 pseudogene 12
214507_s_at	2.30E-04	-2.96E-01	EXOSC2	exosome component 2
217824_at	2.32E-04	3.51E-01	UBE2J1	ubiquitin conjugating enzyme E2 J1
207002_s_at	2.32E-04	8.32E-01	PLAGL1	PLAG1 like zinc finger 1
201227_s_at	2.32E-04	-2.38E-01	NDUFB8	NADH:ubiquinone oxidoreductase subunit B8
1555395_at	2.32E-04	-1.11E-01	AKAP12	A-kinase anchoring protein 12
201770_at	2.34E-04	-3.97E-01	SNRPA	small nuclear ribonucleoprotein polypeptide A
218044_x_at	2.35E-04	-1.58E-01	PTMS	parathymosin
242545_at	2.36E-04	-1.60E-01	TTLL11	tubulin tyrosine ligase like 11
1554038_at	2.36E-04	-1.85E-01	LARP1B	La ribonucleoprotein domain family member 1B
231523_at	2.36E-04	-9.16E-02	FGF14	fibroblast growth factor 14
206530_at	2.37E-04	-1.25E-01	RAB30	RAB30, member RAS oncogene family
222691_at	2.38E-04	3.28E-01	SLC35B3	solute carrier family 35 member B3
1555522_s_at	2.39E-04	-3.07E-01	DPY30///MEMO1	dpy-30, histone methyltransferase complex regulatory subunit///mediator of cell motility 1
202024_at	2.40E-04	-3.69E-01	ASNA1	arsA arsenite transporter, ATP-binding, homolog 1 (bacterial)
1554589_at	2.40E-04	-1.28E-01	LENG9	leukocyte receptor cluster member 9
233607_at	2.41E-04	2.61E-01		
223213_s_at	2.42E-04	4.27E-01	ZHX1	zinc fingers and homeoboxes 1
212192_at	2.43E-04	9.53E-01	KCTD12	potassium channel tetramerization domain containing 12
223419_at	2.43E-04	-2.57E-01	FBXW9	F-box and WD repeat domain containing 9
233140_s_at	2.44E-04	-1.82E-01	VIPAS39	VPS33B interacting protein, apical-basolateral polarity regulator, spe-39 homolog
227661_at	2.44E-04	-1.45E-01		
227971_at	2.45E-04	1.94E-01	NRK	Nik related kinase
218115_at	2.45E-04	-3.35E-01	ASF1B	anti-silencing function 1B histone chaperone
208799_at	2.45E-04	-3.75E-01	PSMB5	proteasome subunit beta 5
202836_s_at	2.46E-04	-3.53E-01	TXNL4A	thioredoxin like 4A
37226_at	2.46E-04	-2.82E-01	BNIP1	BCL2 interacting protein 1
1552807_a_at	2.47E-04	3.16E-01	SIGLEC10	sialic acid binding Ig like lectin 10
218870_at	2.47E-04	4.34E-01	LOC101928361///ARHGAP15	uncharacterized LOC101928361///Rho GTPase activating protein 15
208793_x_at	2.47E-04	-2.88E-01	SMARCA4	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4
242277_at	2.48E-04	6.54E-01		
235944_at	2.49E-04	5.76E-01	HMCN1	hemicentin 1
217077_s_at	2.50E-04	-1.37E-01	GABBR2	gamma-aminobutyric acid type B receptor subunit 2
205459_s_at	2.50E-04	-2.31E-01	NPAS2	neuronal PAS domain protein 2
203557_s_at	2.51E-04	-3.38E-01	PCBD1	pterin-4 alpha-carbinolamine dehydratase 1
1560888_x_at	2.51E-04	-1.00E-01		
212188_at	2.51E-04	8.88E-01	KCTD12	potassium channel tetramerization domain containing 12
206836_at	2.51E-04	-1.12E-01	SLC6A3	solute carrier family 6 member 3
1567443_x_at	2.51E-04	-1.06E-01	PSEN1	presenilin 1
214484_s_at	2.52E-04	-3.95E-01	SIGMAR1	sigma non-opioid intracellular receptor 1
204137_at	2.52E-04	4.99E-01	GPR137B	G protein-coupled receptor 137B
219762_s_at	2.52E-04	-4.63E-01	RPL36	ribosomal protein L36
230372_at	2.52E-04	6.70E-01	HAS2	hyaluronan synthase 2
205098_at	2.53E-04	4.46E-01	CCR1	C-C motif chemokine receptor 1
219134_at	2.54E-04	5.32E-01	ADGRL4	adhesion G protein-coupled receptor L4
1552922_at	2.56E-04	-1.01E-01	RIMS1	regulating synaptic membrane exocytosis 1
207831_x_at	2.56E-04	-3.63E-01	DHPS	deoxyhypusine synthase
229159_at	2.57E-04	1.10E-01	THSD7A	thrombospondin type 1 domain containing 7A
212626_x_at	2.59E-04	-2.60E-01	HNRNPC	heterogeneous nuclear ribonucleoprotein C (C1/C2)
202826_at	2.60E-04	-3.74E-01	SPINT1	serine peptidase inhibitor, Kunitz type 1
221777_at	2.60E-04	-1.91E-01	RITA1	RBPJ interacting and tubulin associated 1
201459_at	2.61E-04	-3.99E-01	RUVBL2	RuvB like AAA ATPase 2
234954_at	2.61E-04	-3.97E-01		
1553874_a_at	2.62E-04	-1.14E-01	ZSCAN10	zinc finger and SCAN domain containing 10
1553523_at	2.62E-04	-1.13E-01	NLRP14	NLR family pyrin domain containing 14

230135_at	2.63E-04	6.32E-01	HHIP	hedgehog interacting protein
210197_at	2.63E-04	-1.28E-01	ITPK1	inositol-tetrakisphosphate 1-kinase
206228_at	2.64E-04	-1.24E-01	PAX2	paired box 2
1553045_at	2.65E-04	-8.83E-02	WNT9A	Wnt family member 9A
215955_x_at	2.65E-04	-1.74E-01	ARHGAP26	Rho GTPase activating protein 26
1556314_a_at	2.66E-04	2.93E-01	ZNF366	zinc finger protein 366
241246_at	2.66E-04	-1.46E-01		
224864_at	2.66E-04	-3.31E-01	SRA1	steroid receptor RNA activator 1
216971_s_at	2.66E-04	-1.69E-01	PLEC	plectin
1554126_at	2.67E-04	-1.35E-01	MSRB3	methionine sulfoxide reductase B3
242693_at	2.67E-04	5.66E-01		
203194_s_at	2.68E-04	-3.84E-01	NUP98	nucleoporin 98
231411_at	2.69E-04	2.37E-01	LHFP	lipoma HMGIC fusion partner
234728_s_at	2.70E-04	-1.87E-01	DHX35	DEAH-box helicase 35
201222_s_at	2.71E-04	-2.50E-01	RAD23B	RAD23 homolog B, nucleotide excision repair protein
220330_s_at	2.71E-04	6.95E-01	SAMSN1	SAM domain, SH3 domain and nuclear localization signals 1
241887_at	2.71E-04	4.56E-01	UBE2W	ubiquitin conjugating enzyme E2 W (putative)
212950_at	2.71E-04	5.22E-01	ADGRF5	adhesion G protein-coupled receptor F5
213476_x_at	2.73E-04	-3.97E-01	TUBB3	tubulin beta 3 class III
234575_at	2.74E-04	-1.19E-01	ZNF71	zinc finger protein 71
227351_at	2.74E-04	3.59E-01	LOC101930115///C16orf52///VWA3A	von Willebrand factor A domain-containing protein 3A///chromosome 16 open reading frame 52///von Willebrand factor A domain containing 3A
223487_x_at	2.75E-04	1.17E-01	GNB4	G protein subunit beta 4
206028_s_at	2.75E-04	5.87E-01	MERTK	MER proto-oncogene, tyrosine kinase
240680_at	2.75E-04	-1.30E-01		
226317_at	2.75E-04	3.12E-01	PPP4R2	protein phosphatase 4 regulatory subunit 2
209897_s_at	2.76E-04	3.19E-01	SLIT2	slit guidance ligand 2
1552690_a_at	2.77E-04	-1.89E-01	CACNA2D4	calcium voltage-gated channel auxiliary subunit alpha2delta 4
238043_at	2.77E-04	4.06E-01	ARID1B	AT-rich interaction domain 1B
206468_s_at	2.77E-04	-2.59E-01	METTL13	methyltransferase like 13
219203_at	2.78E-04	-3.73E-01	EMC9	ER membrane protein complex subunit 9
241473_at	2.78E-04	2.66E-01		
205634_x_at	2.79E-04	-3.43E-01	ZDHHC24	zinc finger DHHC-type containing 24
230741_at	2.80E-04	4.47E-01	P2RX7	purinergic receptor P2X 7
236029_at	2.80E-04	2.98E-01	FAT3	FAT atypical cadherin 3
201525_at	2.80E-04	8.03E-01	APOD	apolipoprotein D
209777_s_at	2.80E-04	-2.14E-01	SLC19A1	solute carrier family 19 member 1
206469_x_at	2.81E-04	-4.41E-01	AKR7A3	aldo-keto reductase family 7 member A3
244252_at	2.81E-04	-1.13E-01	LOC399884	uncharacterized LOC399884
225390_s_at	2.81E-04	-3.92E-01	KLF13	Kruppel like factor 13
206750_at	2.83E-04	-1.50E-01	MAFK	MAF bZIP transcription factor K
215834_x_at	2.85E-04	-1.55E-01	SCARB1	scavenger receptor class B member 1
1556059_s_at	2.86E-04	-2.76E-01	SPEN	spen family transcriptional repressor
224559_at	2.87E-04	5.75E-01	MALAT1	metastasis associated lung adenocarcinoma transcript 1 (non-protein coding)
231302_at	2.92E-04	2.24E-01		
219895_at	2.92E-04	3.04E-01	TMEM255A	transmembrane protein 255A
218261_at	2.93E-04	-3.67E-01	AP1M2	adaptor related protein complex 1 mu 2 subunit
1553837_at	2.93E-04	-1.21E-01	PGAM5	PGAM family member 5, mitochondrial serine/threonine protein phosphatase
219111_s_at	2.94E-04	-2.71E-01	DDX54	DEAD-box helicase 54
241434_at	2.95E-04	3.35E-01	IPP	intracisternal A particle-promoted polypeptide
202120_x_at	2.97E-04	-3.49E-01	AP2S1	adaptor related protein complex 2 sigma 1 subunit
230389_at	2.99E-04	4.84E-01	FNBP1	formin binding protein 1
235759_at	2.99E-04	3.06E-01		
214255_at	3.02E-04	2.09E-01	ATP10A	ATPase phospholipid transporting 10A (putative)
202995_s_at	3.03E-04	3.72E-01	FBLN1	fibulin 1
210527_x_at	3.04E-04	-1.86E-01	TUBA3D///TUBA3C	tubulin alpha 3d///tubulin alpha 3c
203299_s_at	3.04E-04	3.78E-01	AP1S2	adaptor related protein complex 1 sigma 2 subunit
242490_at	3.04E-04	3.39E-01		
226865_at	3.04E-04	5.77E-01	PLXDC2	plexin domain containing 2
1555634_a_at	3.06E-04	-1.06E-01	LILRA5	leukocyte immunoglobulin like receptor A5
225151_at	3.06E-04	-1.15E-01	RTKN	rhotekin
205895_s_at	3.07E-04	-4.43E-01	NOLC1	nucleolar and coiled-body phosphoprotein 1
214361_s_at	3.10E-04	-1.43E-01	RGS12	regulator of G-protein signaling 12
1554857_at	3.11E-04	-1.25E-01	ELMO2	engulfment and cell motility 2
1556996_at	3.11E-04	-9.86E-02	LEPROT	leptin receptor overlapping transcript
201246_s_at	3.11E-04	-2.62E-01	LOC101927673///OTUB1	uncharacterized LOC101927673///OTU deubiquitinase, ubiquitin aldehyde binding 1
228832_at	3.12E-04	-2.27E-01	FLJ20021	uncharacterized LOC90024
204400_at	3.13E-04	1.80E-01	EFS	embryonal Fyn-associated substrate
220587_s_at	3.13E-04	-3.38E-01	MLST8	MTOR associated protein, LST8 homolog
213514_s_at	3.13E-04	-1.90E-01	DIAPH1	diaphanous related formin 1
213933_at	3.13E-04	4.16E-01	PTGER3	prostaglandin E receptor 3
210501_x_at	3.14E-04	-3.17E-01	EIF3K	eukaryotic translation initiation factor 3 subunit K
222814_s_at	3.15E-04	-1.08E-01	ZNHIT2	zinc finger HIT-type containing 2
204834_at	3.15E-04	7.16E-01	FGL2	fibrinogen like 2
220597_s_at	3.16E-04	-3.08E-01	ARL6IP4	ADP ribosylation factor like GTPase 6 interacting protein 4
1552553_a_at	3.16E-04	2.07E-01	NLRC4	NLR family CARD domain containing 4

202707_at	3.17E-04	-1.43E-01	UMPS	uridine monophosphate synthetase
236077_at	3.19E-04	-4.02E-01	GANC	glucosidase alpha, neutral C
219064_at	3.21E-04	5.16E-01	ITIH5	inter-alpha-trypsin inhibitor heavy chain family member 5
207525_s_at	3.22E-04	-2.29E-01	GIPC1	GIPC PDZ domain containing family member 1
204051_s_at	3.22E-04	7.88E-01	SFRP4	secreted frizzled related protein 4
201037_at	3.22E-04	-6.07E-01	PFKP	phosphofructokinase, platelet
219671_at	3.22E-04	-9.60E-02	HPCAL4	hippocalcin like 4
227378_x_at	3.23E-04	-3.50E-01	METTL26	methyltransferase like 26
213986_s_at	3.24E-04	-2.75E-01	TMEM259	transmembrane protein 259
231170_at	3.24E-04	2.60E-01		
232401_at	3.24E-04	-1.27E-01	KCNS2	potassium voltage-gated channel modifier subfamily S member 2
236685_at	3.25E-04	3.08E-01		
1562695_at	3.25E-04	-1.26E-01	FOXN4	forkhead box N4
217860_at	3.25E-04	-3.89E-01	NDUFA10	NADH:ubiquinone oxidoreductase subunit A10
219878_s_at	3.25E-04	-3.39E-01	KLF13	Kruppel like factor 13
211171_s_at	3.26E-04	-1.75E-01	PDE10A	phosphodiesterase 10A
1564521_x_at	3.27E-04	-2.71E-01	PRMT5	protein arginine methyltransferase 5
212376_s_at	3.27E-04	-2.06E-01	EP400	E1A binding protein p400
228080_at	3.27E-04	3.34E-01	LAYN	layilin
238512_at	3.28E-04	4.89E-01	WNT2B	Wnt family member 2B
1558530_at	3.28E-04	-1.41E-01	LRTM2	leucine rich repeats and transmembrane domains 2
225976_at	3.29E-04	3.01E-01	BTF3L4	basic transcription factor 3 like 4
204072_s_at	3.30E-04	6.70E-01	FRY	FRY microtubule binding protein
241468_at	3.31E-04	-1.48E-01		
237054_at	3.32E-04	6.62E-01	ENPP5	ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative)
223745_at	3.32E-04	-1.19E-01	C16orf95	chromosome 16 open reading frame 95
201135_at	3.33E-04	-3.62E-01	ECHS1	enoyl-CoA hydratase, short chain 1
216897_s_at	3.37E-04	-1.56E-01	FAM76A	family with sequence similarity 76 member A
1570308_at	3.37E-04	-8.06E-02		
1553237_x_at	3.37E-04	-9.60E-02	PCDHAC1	protocadherin alpha subfamily C, 1
201584_s_at	3.38E-04	-3.73E-01	DDX39A	DEAD-box helicase 39A
212483_at	3.38E-04	3.40E-01	NIPBL	NIPBL, cohesin loading factor
217602_at	3.39E-04	5.09E-01	LOC101060363///PPIA	peptidyl-prolyl cis-trans isomerase A pseudogene///peptidylprolyl isomerase A
227560_at	3.39E-04	-3.36E-01	SFXN2	sideroflexin 2
239454_at	3.40E-04	-1.29E-01	SCARF2	scavenger receptor class F member 2
1557714_at	3.40E-04	-1.34E-01	CTBP1	C-terminal binding protein 1
238363_at	3.41E-04	2.23E-01		
234922_s_at	3.42E-04	-9.94E-02	NHSL1	NHS like 1
204397_at	3.45E-04	-1.25E-01	EML2	echinoderm microtubule associated protein like 2
1563101_at	3.45E-04	-7.87E-02	ARNTL2-AS1	ARNTL2 antisense RNA 1
234526_at	3.46E-04	-1.24E-01	OR51B6	olfactory receptor family 51 subfamily B member 6
231098_at	3.47E-04	2.31E-01		
214387_x_at	3.48E-04	-1.20E-01	SFTPC	surfactant protein C
203379_at	3.48E-04	-3.60E-01	RPS6KA1	ribosomal protein S6 kinase A1
223043_at	3.50E-04	-3.89E-01	EMC4	ER membrane protein complex subunit 4
205304_s_at	3.51E-04	2.89E-01	KCNJ8	potassium voltage-gated channel subfamily J member 8
208451_s_at	3.53E-04	4.62E-01	C4B_2///C4B///C4A	complement component 4B (Chido blood group), copy 2///complement component 4B (Chido blood group)///complement component 4A (Rodgers blood group)
203112_s_at	3.54E-04	-2.35E-01	MIR943///NELFA	microRNA 943///negative elongation factor complex member A
224465_s_at	3.56E-04	-2.91E-01	PYM1	PYM homolog 1, exon junction complex associated factor
202019_s_at	3.56E-04	-2.30E-01	LANCL1	LanC like 1
227980_at	3.56E-04	3.46E-01	ZNF322	zinc finger protein 322
214674_at	3.57E-04	-1.52E-01	USP19	ubiquitin specific peptidase 19
205430_at	3.57E-04	5.66E-01	BMP5	bone morphogenetic protein 5
214292_at	3.59E-04	-1.52E-01	ITGB4	integrin subunit beta 4
1564473_at	3.60E-04	-9.54E-02	ESCO2	establishment of sister chromatid cohesion N-acetyltransferase 2
216890_at	3.60E-04	-1.20E-01		
213490_s_at	3.60E-04	-2.28E-01	MAP2K2	mitogen-activated protein kinase kinase 2
200990_at	3.61E-04	-4.24E-01	TRIM28	tripartite motif containing 28
233743_x_at	3.61E-04	-1.15E-01	S1PR5	sphingosine-1-phosphate receptor 5
224267_x_at	3.61E-04	-1.23E-01	ZAN	zonadhesin (gene/pseudogene)
204271_s_at	3.63E-04	5.08E-01	EDNRB	endothelin receptor type B
232208_at	3.63E-04	-1.32E-01	ISLR2	immunoglobulin superfamily containing leucine rich repeat 2
207933_at	3.64E-04	-1.63E-01	ZP2	zona pellucida glycoprotein 2
234996_at	3.64E-04	3.44E-01	CALCRL	calcitonin receptor like receptor
201137_s_at	3.64E-04	6.15E-01	HLA-DPB1	major histocompatibility complex, class II, DP beta 1
233334_x_at	3.64E-04	-3.21E-01	SLX1B-SULT1A4///SLX1A-SULT1A3///SLX1A///SULT1A4///SLX1B///SULT1A3	SLX1B-SULT1A4 readthrough (NMD candidate)///SLX1A-SULT1A3 readthrough (NMD candidate)///SLX1 homolog A, structure-specific endonuclease subunit///sulfotransferase family 1A member 4///SLX1 homolog B, structure-specific endonuclease subunit///sulfotransferase family 1A member 3
1559800_a_at	3.65E-04	-1.11E-01		
211570_s_at	3.66E-04	-1.22E-01	RAPSN	receptor associated protein of the synapse
202878_s_at	3.66E-04	4.70E-01	CD93	CD93 molecule
234584_s_at	3.66E-04	-2.02E-01	ATE1	arginyltransferase 1

1563404_at	3.66E-04	-1.21E-01		
219122_s_at	3.67E-04	-3.71E-01	THG1L	tRNA-histidine guanylyltransferase 1 like
203698_s_at	3.67E-04	6.63E-01	FRZB	frizzled-related protein
223736_at	3.68E-04	-1.15E-01	IFT81	intraflagellar transport 81
203287_at	3.69E-04	-3.22E-01	LAD1	ladinin 1
201322_at	3.71E-04	-3.44E-01	ATP5B	ATP synthase, H+ transporting, mitochondrial F1 complex, beta polypeptide
209318_x_at	3.72E-04	8.34E-01	PLAGL1	PLAG1 like zinc finger 1
224338_s_at	3.72E-04	-1.33E-01	RNF26	ring finger protein 26
213606_s_at	3.73E-04	-3.03E-01	ARHGDIA	Rho GDP dissociation inhibitor alpha
229050_s_at	3.73E-04	-3.75E-01	SNORA17B///SNORA17A///SNHG7	small nucleolar RNA, H/ACA box 17B///small nucleolar RNA, H/ACA box 17A///small nucleolar RNA host gene 7
203424_s_at	3.74E-04	3.90E-01	IGFBP5	insulin like growth factor binding protein 5
210649_s_at	3.75E-04	-3.68E-01	ARID1A	AT-rich interaction domain 1A
232707_at	3.76E-04	8.79E-01	ISX	intestine specific homeobox
227103_s_at	3.77E-04	-3.85E-01	ECE2	endothelin converting enzyme 2
202067_s_at	3.77E-04	-3.84E-01	LDLR	low density lipoprotein receptor
242100_at	3.78E-04	4.00E-01	CHSY3	chondroitin sulfate synthase 3
234338_s_at	3.78E-04	-1.36E-01	ZBTB47	zinc finger and BTB domain containing 47
207238_s_at	3.78E-04	5.56E-01	PTPRC	protein tyrosine phosphatase, receptor type C
222724_at	3.78E-04	-1.26E-01	VWA1	von Willebrand factor A domain containing 1
218220_at	3.80E-04	-4.34E-01	C12orf10	chromosome 12 open reading frame 10
1557080_s_at	3.81E-04	3.42E-01	ITGBL1	integrin subunit beta like 1
241892_at	3.82E-04	-1.13E-01	NCL	nucleolin
203300_x_at	3.83E-04	3.72E-01	AP1S2	adaptor related protein complex 1 sigma 2 subunit
203982_s_at	3.84E-04	-1.44E-01	ABCD4	ATP binding cassette subfamily D member 4
225571_at	3.84E-04	4.68E-01	LIFR	leukemia inhibitory factor receptor alpha
206853_s_at	3.85E-04	3.91E-01	MAP3K7	mitogen-activated protein kinase kinase kinase 7
1554554_at	3.85E-04	-1.07E-01	CCDC57	coiled-coil domain containing 57
229686_at	3.85E-04	2.09E-01	P2RY8	purinergic receptor P2Y8
218807_at	3.85E-04	8.01E-01	VAV3	vav guanine nucleotide exchange factor 3
216552_x_at	3.85E-04	-1.14E-01	KIR2DS4	killer cell immunoglobulin like receptor, two Ig domains and short cytoplasmic tail 4
216164_at	3.86E-04	-1.58E-01	LRRN2	leucine rich repeat neuronal 2
214468_at	3.86E-04	-9.59E-02	MYH6	myosin heavy chain 6
224241_s_at	3.87E-04	-1.21E-01		
234829_at	3.88E-04	-1.93E-01	DUSP15	dual specificity phosphatase 15
202586_at	3.88E-04	-2.47E-01	POLR2L	RNA polymerase II subunit L
208931_s_at	3.89E-04	-4.15E-01	ILF3	interleukin enhancer binding factor 3
212347_x_at	3.89E-04	-3.13E-01	MIR4800///MXD4	microRNA 4800///MAX dimerization protein 4
201401_s_at	3.89E-04	-1.61E-01	GRK2	G protein-coupled receptor kinase 2
226137_at	3.90E-04	5.60E-01	ZFHX3	zinc finger homeobox 3
236395_at	3.91E-04	2.42E-01		
204898_at	3.92E-04	-1.35E-01	SAP30	Sin3A associated protein 30
206978_at	3.95E-04	4.89E-01	CCR2	C-C motif chemokine receptor 2
212914_at	3.95E-04	2.80E-01	CBX7	chromobox 7
209960_at	3.96E-04	5.99E-01	HGF	hepatocyte growth factor
204931_at	3.97E-04	2.81E-01	TCF21	transcription factor 21
202102_s_at	3.98E-04	-2.83E-01	BRD4	bromodomain containing 4
219815_at	3.99E-04	2.59E-01	GAL3ST4	galactose-3-O-sulfotransferase 4
238609_at	3.99E-04	4.05E-01	FAM200A	family with sequence similarity 200 member A
207748_at	4.00E-04	-1.33E-01		
207829_s_at	4.01E-04	-2.43E-01	BNIP1	BCL2 interacting protein 1
203682_s_at	4.01E-04	-4.11E-01	IVD	isovaleryl-CoA dehydrogenase
214443_at	4.05E-04	-1.63E-01	PVR	poliovirus receptor
235934_at	4.08E-04	-1.06E-01	NAPA-AS1	NAPA antisense RNA 1
221940_at	4.09E-04	-2.87E-01	RPUSD2	RNA pseudouridylate synthase domain containing 2
208909_at	4.09E-04	-2.99E-01	UQCRFS1	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1
200001_at	4.09E-04	-4.38E-01	CAPNS1	calpain small subunit 1
223378_at	4.13E-04	3.45E-01	GLIS2	GLIS family zinc finger 2
229459_at	4.13E-04	2.07E-01	FAM19A5	family with sequence similarity 19 member A5, C-C motif chemokine like
221269_s_at	4.13E-04	-4.71E-01	SH3BGRL3	SH3 domain binding glutamate rich protein like 3
210946_at	4.14E-04	4.15E-01	PLPP1	phospholipid phosphatase 1
224860_at	4.15E-04	4.50E-01	TMEM261	transmembrane protein 261
231727_s_at	4.16E-04	-3.52E-01	MIF4GD	MIF4G domain containing
231227_at	4.16E-04	6.46E-01		
1566218_at	4.17E-04	-1.32E-01	KRTAP5-2	keratin associated protein 5-2
228147_at	4.19E-04	3.98E-01	SEPT7P2	septin 7 pseudogene 2
222364_at	4.19E-04	2.80E-01	SLC44A1	solute carrier family 44 member 1
210515_at	4.19E-04	-1.86E-01	HNF1A	HNF1 homeobox A
202839_s_at	4.21E-04	-3.07E-01	NDUFB7	NADH:ubiquinone oxidoreductase subunit B7
221898_at	4.24E-04	4.45E-01	PDPN	podoplanin
225825_at	4.26E-04	1.86E-01	C20orf194	chromosome 20 open reading frame 194
1564482_at	4.27E-04	-1.44E-01	ATP5O	ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit
228472_at	4.28E-04	-2.31E-01	CCDC61	coiled-coil domain containing 61
227806_at	4.29E-04	-1.76E-01	C16orf74	chromosome 16 open reading frame 74
228863_at	4.29E-04	5.29E-01	PCDH17	protocadherin 17
213158_at	4.29E-04	5.31E-01	ZBTB20	zinc finger and BTB domain containing 20

212064_x_at	4.30E-04	-2.30E-01	MAZ	MYC associated zinc finger protein
224232_s_at	4.31E-04	-3.94E-01	PRELID1	PRELI domain containing 1
216484_x_at	4.31E-04	-2.27E-01		
237754_at	4.31E-04	-1.23E-01	LOC101928682	uncharacterized LOC101928682
200634_at	4.31E-04	-5.13E-01	PFN1	profilin 1
202264_s_at	4.32E-04	-2.49E-01	TOMM40	translocase of outer mitochondrial membrane 40
32402_s_at	4.33E-04	-1.67E-01	SYMPK	symplekin
1564931_at	4.33E-04	-1.32E-01		
201448_at	4.35E-04	3.24E-01	TIA1	TIA1 cytotoxic granule-associated RNA binding protein
241193_at	4.36E-04	5.98E-01	ETS2	ETS proto-oncogene 2, transcription factor
220270_at	4.37E-04	-9.54E-02	RNF17	ring finger protein 17
231854_at	4.39E-04	2.06E-01	PIK3CA	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha
202281_at	4.44E-04	-2.91E-01	GAK	cyclin G associated kinase
224733_at	4.45E-04	3.50E-01	CMTM3	CKLF like MARVEL transmembrane domain containing 3
203032_s_at	4.45E-04	-2.23E-01	FH	fumarate hydratase
213011_s_at	4.46E-04	-4.04E-01	TPI1	triosephosphate isomerase 1
225150_s_at	4.47E-04	-3.81E-01	RTKN	rhotekin
217345_at	4.47E-04	-8.36E-02	SMNP	survival of motor neuron 1, telomeric pseudogene
227071_at	4.47E-04	-1.27E-01	ZNF414	zinc finger protein 414
225814_at	4.51E-04	3.40E-01	XRN1	5'-3' exoribonuclease 1
211558_s_at	4.53E-04	-3.82E-01	DHPS	deoxyhypusine synthase
202746_at	4.53E-04	6.26E-01	ITM2A	integral membrane protein 2A
207825_s_at	4.53E-04	-1.52E-01	GHRHR	growth hormone releasing hormone receptor
220571_at	4.53E-04	-1.12E-01	PRDM11	PR/SET domain 11
200822_x_at	4.53E-04	-3.83E-01	TPI1	triosephosphate isomerase 1
229775_s_at	4.54E-04	1.50E-01	AFDN	afadin, adherens junction formation factor
240368_at	4.55E-04	-1.31E-01		
1556583_a_at	4.56E-04	1.83E-01	SLC8A1	solute carrier family 8 member A1
223188_at	4.56E-04	-2.25E-01	SMG9	SMG9, nonsense mediated mRNA decay factor
231692_at	4.56E-04	-1.22E-01	PIGG	phosphatidylinositol glycan anchor biosynthesis class G
211047_x_at	4.56E-04	-3.55E-01	AP2S1	adaptor related protein complex 2 sigma 1 subunit
220242_x_at	4.57E-04	2.81E-01	ZNF701	zinc finger protein 701
236223_s_at	4.59E-04	4.48E-01	RIT1	Ras like without CAAX 1
227266_s_at	4.60E-04	7.22E-01	FYB	FYN binding protein
209763_at	4.61E-04	3.70E-01	CHRDL1	chordin like 1
224464_s_at	4.62E-04	-2.80E-01	NUDT22	nudix hydrolase 22
235056_at	4.66E-04	3.82E-01	ETV6	ETS variant 6
228227_at	4.67E-04	-1.53E-01	ITGB1BP1	integrin subunit beta 1 binding protein 1
221807_s_at	4.68E-04	-2.88E-01	TRABD	TraB domain containing
208981_at	4.68E-04	4.01E-01	PECAM1	platelet and endothelial cell adhesion molecule 1
240689_at	4.69E-04	-1.18E-01	REC114	REC114 meiotic recombination protein
202825_at	4.70E-04	-4.01E-01	SLC25A4	solute carrier family 25 member 4
235410_at	4.70E-04	3.81E-01	NPHP3	nephronophthisis 3 (adolescent)
228790_at	4.71E-04	1.73E-01	FAM110B	family with sequence similarity 110 member B
65517_at	4.71E-04	-3.56E-01	AP1M2	adaptor related protein complex 1 mu 2 subunit
218083_at	4.72E-04	-2.50E-01	PTGES2	prostaglandin E synthase 2
202493_x_at	4.75E-04	-1.00E-01	GH1///CSHL1///CSH1	growth hormone 1///chorionic somatomammotropin hormone like 1///chorionic somatomammotropin hormone 1
236096_at	4.75E-04	-9.78E-02	SIPA1L3	signal induced proliferation associated 1 like 3
224455_s_at	4.75E-04	-2.08E-01	ADPGK	ADP dependent glucokinase
205172_x_at	4.76E-04	-4.78E-01	CLTB	clathrin light chain B
207943_x_at	4.77E-04	7.43E-01	PLAGL1	PLAG1 like zinc finger 1
243983_at	4.78E-04	-1.36E-01		
216206_x_at	4.78E-04	2.23E-01	MAP2K7	mitogen-activated protein kinase kinase 7
204691_x_at	4.81E-04	-1.68E-01	PLA2G6	phospholipase A2 group VI
210023_s_at	4.83E-04	-2.79E-01	PCGF1	polycomb group ring finger 1
201489_at	4.84E-04	-3.68E-01	PPIF	peptidylprolyl isomerase F
225957_at	4.84E-04	4.59E-01	CREBRF	CREB3 regulatory factor
200753_x_at	4.86E-04	-2.64E-01	MIR636///SRSF2	microRNA 636///serine and arginine rich splicing factor 2
235885_at	4.86E-04	1.88E-01	P2RY12	purinergic receptor P2Y12
236748_at	4.86E-04	-1.24E-01	RASGEF1C	RasGEF domain family member 1C
201596_x_at	4.88E-04	-4.22E-01	KRT18	keratin 18
201427_s_at	4.89E-04	8.34E-01	SEPP1	selenoprotein P, plasma, 1
226428_at	4.90E-04	-1.29E-01	TNPO2	transportin 2
240044_x_at	4.92E-04	3.73E-01	TNRC6B	trinucleotide repeat containing 6B
240425_x_at	4.93E-04	3.08E-01	ROBO2	roundabout guidance receptor 2
212667_at	4.94E-04	6.13E-01	SPARC	secreted protein acidic and cysteine rich
204281_at	4.94E-04	-2.73E-01	TEAD4	TEA domain transcription factor 4
235789_at	4.97E-04	-2.00E-01	LOC100507022///KDM4B	FLJ00291 protein///lysine demethylase 4B
1557203_at	4.97E-04	-1.05E-01	PABPC1L2B///PABPC1L2A	poly(A) binding protein cytoplasmic 1 like 2B///poly(A) binding protein cytoplasmic 1 like 2A
1553967_at	4.97E-04	-1.30E-01	ADAT3	adenosine deaminase, tRNA specific 3
215252_at	5.00E-04	4.44E-01	DNAJC7	DnaJ heat shock protein family (Hsp40) member C7
215159_s_at	5.00E-04	-1.68E-01	NADK	NAD kinase
202424_at	5.02E-04	-3.62E-01	MAP2K2	mitogen-activated protein kinase kinase 2
213453_x_at	5.02E-04	-3.86E-01	GAPDH	glyceraldehyde-3-phosphate dehydrogenase

244828_x_at	5.05E-04	-3.89E-01	NAF1	nuclear assembly factor 1 ribonucleoprotein
203562_at	5.06E-04	2.61E-01	FEZ1	fasciculation and elongation protein zeta 1
226516_at	5.06E-04	-1.89E-01	MFSD12	major facilitator superfamily domain containing 12
226401_at	5.07E-04	-1.22E-01	PARP10	poly(ADP-ribose) polymerase family member 10
206171_at	5.08E-04	1.99E-01	ADORA3	adenosine A3 receptor
209624_s_at	5.11E-04	-4.09E-01	MCCC2	methylcrotonoyl-CoA carboxylase 2
202556_s_at	5.14E-04	-2.75E-01	MCRS1	microspherule protein 1
212397_at	5.14E-04	8.08E-01	RDX	radixin
220947_s_at	5.14E-04	-2.79E-01	TBC1D10B	TBC1 domain family member 10B
1553585_a_at	5.14E-04	-1.02E-01	MAGEA10-MAGEA5///MAGEA5	MAGEA10-MAGEA5 readthrough///MAGE family member A5
202765_s_at	5.15E-04	3.18E-01	FBN1	fibrillin 1
206979_at	5.15E-04	-1.23E-01	C8B	complement component 8, beta polypeptide
202953_at	5.15E-04	5.81E-01	C1QB	complement C1q B chain
206722_s_at	5.17E-04	-1.94E-01	LPAR2	lysophosphatidic acid receptor 2
1565601_at	5.17E-04	-8.34E-02		
231816_s_at	5.17E-04	-1.49E-01	UBE2Q1	ubiquitin conjugating enzyme E2 Q1
201490_s_at	5.18E-04	-4.66E-01	PPIF	peptidylprolyl isomerase F
212233_at	5.19E-04	4.97E-01	MAP1B	microtubule associated protein 1B
238544_at	5.22E-04	-1.91E-01		
222838_at	5.23E-04	5.93E-01	SLAMF7	SLAM family member 7
205802_at	5.23E-04	5.12E-01	TRPC1	transient receptor potential cation channel subfamily C member 1
1569936_a_at	5.24E-04	-1.40E-01	ZNF664	zinc finger protein 664
1553634_a_at	5.25E-04	-1.60E-01	WEE2-AS1	WEE2 antisense RNA 1
209596_at	5.26E-04	5.59E-01	MXRA5	matrix remodeling associated 5
241715_x_at	5.26E-04	-1.50E-01	ACPT	acid phosphatase, testicular
218860_at	5.27E-04	-3.12E-01	NOC4L	nucleolar complex associated 4 homolog
218965_s_at	5.28E-04	-1.64E-01	TUT1	terminal uridylyl transferase 1, U6 snRNA-specific
229072_at	5.29E-04	5.92E-01	RAB30	RAB30, member RAS oncogene family
204220_at	5.29E-04	4.37E-01	GMFG	glia maturation factor gamma
209999_x_at	5.30E-04	-1.75E-01	SOCS1	suppressor of cytokine signaling 1
1552868_at	5.30E-04	-1.60E-01	CIRBP-AS1	CIRBP antisense RNA 1
1559713_at	5.31E-04	-1.10E-01		
225242_s_at	5.31E-04	4.32E-01	CCDC80	coiled-coil domain containing 80
226441_at	5.31E-04	3.91E-01	MAP3K2	mitogen-activated protein kinase kinase kinase 2
1553188_s_at	5.32E-04	-1.21E-01	PARD3B	par-3 family cell polarity regulator beta
1554317_s_at	5.32E-04	-1.37E-01	TRMT61A	tRNA methyltransferase 61A
217173_s_at	5.33E-04	-2.09E-01	LDLR	low density lipoprotein receptor
1564697_a_at	5.33E-04	-1.18E-01	LINC01144	long intergenic non-protein coding RNA 1144
229792_at	5.34E-04	-2.47E-01	KLHL17	kelch like family member 17
229723_at	5.35E-04	4.75E-01	TAGAP	T-cell activation RhoGTPase activating protein
235657_at	5.36E-04	2.00E-01		
232294_at	5.38E-04	-1.07E-01	TMEM254-AS1	TMEM254 antisense RNA 1
218366_x_at	5.38E-04	-3.34E-01	METTL17	methyltransferase like 17
242997_at	5.38E-04	-1.57E-01		
218275_at	5.39E-04	-2.87E-01	SLC25A10	solute carrier family 25 member 10
225322_s_at	5.39E-04	-1.48E-01	FAAP100	Fanconi anemia core complex associated protein 100
230068_s_at	5.40E-04	1.02E-01	PEG3-AS1	PEG3 antisense RNA 1
230856_at	5.40E-04	-2.12E-01	ARSG	arylsulfatase G
219778_at	5.40E-04	4.64E-01	ZFPM2	zinc finger protein, FOG family member 2
212201_at	5.41E-04	-2.45E-01	ANKLE2	ankyrin repeat and LEM domain containing 2
218725_at	5.41E-04	-2.37E-01	SLC25A22	solute carrier family 25 member 22
1554466_a_at	5.43E-04	-3.00E-01	METTL26	methyltransferase like 26
203190_at	5.43E-04	-3.49E-01	MIR7113///MIR4691///NDUFS8	microRNA 7113///microRNA 4691///NADH:ubiquinone oxidoreductase core subunit S8
218795_at	5.44E-04	-3.61E-01	ACP6	acid phosphatase 6, lysophosphatidic
225625_at	5.45E-04	-3.66E-01	ALKBH2	alkB homolog 2, alpha-ketoglutarate dependent dioxygenase
218897_at	5.47E-04	-3.48E-01	TMEM177	transmembrane protein 177
212152_x_at	5.47E-04	-2.64E-01	ARID1A	AT-rich interaction domain 1A
223479_s_at	5.49E-04	-4.05E-01	CHCHD5	coiled-coil-helix-coiled-coil-helix domain containing 5
202400_s_at	5.50E-04	-1.32E-01	SRF	serum response factor
204786_s_at	5.50E-04	2.46E-01	IFNAR2	interferon alpha and beta receptor subunit 2
216010_x_at	5.52E-04	-3.89E-01	FUT3	fucosyltransferase 3 (Lewis blood group)
213662_at	5.52E-04	-1.00E-01	FAM134B	family with sequence similarity 134 member B
235308_at	5.52E-04	4.71E-01	ZBTB20	zinc finger and BTB domain containing 20
239258_at	5.53E-04	3.34E-01		
221424_s_at	5.53E-04	-1.33E-01	OR51E2	olfactory receptor family 51 subfamily E member 2
243536_x_at	5.54E-04	-1.25E-01	ARHGAP27	Rho GTPase activating protein 27
214737_x_at	5.54E-04	-2.32E-01	HNRNPC	heterogeneous nuclear ribonucleoprotein C (C1/C2)
207189_s_at	5.55E-04	-1.42E-01	ZZEF1	zinc finger ZZ-type and EF-hand domain containing 1
212344_at	5.57E-04	5.18E-01	SULF1	sulfatase 1
225021_at	5.58E-04	5.14E-01	ZNF532	zinc finger protein 532
1556851_at	5.59E-04	-9.76E-02		
208502_s_at	5.62E-04	-3.25E-01	PITX1	paired like homeodomain 1
1561243_at	5.64E-04	-1.22E-01	TMEM105	transmembrane protein 105
203411_s_at	5.64E-04	-4.00E-01	LMNA	lamin A/C
225752_at	5.64E-04	-3.40E-01	NIPA1	non imprinted in Prader-Willi/Angelman syndrome 1

1560212_a_at	5.64E-04	-9.51E-02	LOC101929248	uncharacterized LOC101929248
41037_at	5.65E-04	-4.36E-01	TEAD4	TEA domain transcription factor 4
221077_at	5.66E-04	-1.13E-01	ARMC4	armadillo repeat containing 4
205885_s_at	5.70E-04	2.67E-01	ITGA4	integrin subunit alpha 4
1554309_at	5.71E-04	-2.57E-01	EIF4G3	eukaryotic translation initiation factor 4 gamma 3
221909_at	5.71E-04	-4.52E-01	RNFT2	ring finger protein, transmembrane 2
222535_at	5.72E-04	-1.14E-01	INF2	inverted formin, FH2 and WH2 domain containing
210167_s_at	5.73E-04	-1.03E-01	TEF	TEF, PAR bZIP transcription factor
212625_at	5.73E-04	-2.56E-01	STX10	syntaxin 10
227132_at	5.75E-04	3.89E-01	ZNF706	zinc finger protein 706
226338_at	5.82E-04	6.28E-01	TMEM55A	transmembrane protein 55A
1320_at	5.83E-04	-9.27E-02	PTPN21	protein tyrosine phosphatase, non-receptor type 21
1553450_s_at	5.84E-04	-8.45E-02	LINC00304	long intergenic non-protein coding RNA 304
1560744_at	5.89E-04	-1.33E-01		
218760_at	5.90E-04	-2.87E-01	COQ6	coenzyme Q6, monooxygenase
1560496_at	5.90E-04	-1.44E-01	MRGPRF-AS1	MRGPRF antisense RNA 1
216562_at	5.91E-04	-1.50E-01		
217444_at	5.92E-04	-1.07E-01		
230435_at	5.93E-04	5.08E-01	FAM228B	family with sequence similarity 228 member B
235891_at	5.95E-04	2.01E-01	DNM3OS	DNM3 opposite strand/antisense RNA
203478_at	5.95E-04	-2.71E-01	NDUFC1	NADH:ubiquinone oxidoreductase subunit C1
203858_s_at	5.96E-04	-2.40E-01	COX10	COX10, heme A:farnesyltransferase cytochrome c oxidase assembly factor
236058_at	5.97E-04	-1.96E-01	KDF1	keratinocyte differentiation factor 1
212155_at	5.99E-04	-2.61E-01	RNF187	ring finger protein 187
208917_x_at	6.03E-04	-1.61E-01	NADK	NAD kinase
211249_at	6.03E-04	-1.43E-01	GPR68	G protein-coupled receptor 68
226724_s_at	6.04E-04	-1.29E-01	PSPC1	paraspeckle component 1
242883_at	6.04E-04	-1.12E-01	OTOS	otospiralin
241655_at	6.05E-04	-7.60E-02		
217398_x_at	6.05E-04	-3.99E-01	GAPDH	glyceraldehyde-3-phosphate dehydrogenase
211250_s_at	6.05E-04	-2.38E-01	SH3BP2	SH3 domain binding protein 2
214121_x_at	6.06E-04	-1.89E-01	PDLIM7	PDZ and LIM domain 7
203875_at	6.06E-04	6.11E-01	SMARCA1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1
206168_at	6.06E-04	-1.22E-01	ZC3H7B	zinc finger CCCH-type containing 7B
238672_at	6.07E-04	3.72E-01		
1570167_at	6.08E-04	-1.23E-01		
218191_s_at	6.08E-04	2.99E-01	LMBRD1	LMBR1 domain containing 1
216807_at	6.08E-04	-1.23E-01	CFAP74	cilia and flagella associated protein 74
221905_at	6.10E-04	4.19E-01	CYLD	CYLD lysine 63 deubiquitinase
225620_at	6.11E-04	-2.05E-01	RAB35	RAB35, member RAS oncogene family
AFFX-HUMGAPDH/M33197_M_at	6.12E-04	-4.37E-01	GAPDH	glyceraldehyde-3-phosphate dehydrogenase
228504_at	6.13E-04	1.70E-01	SCN7A	sodium voltage-gated channel alpha subunit 7
230790_x_at	6.14E-04	2.81E-01	FOXN3	forkhead box N3
1556724_at	6.19E-04	-1.20E-01	LOC100288490	uncharacterized LOC100288490
221787_at	6.19E-04	2.85E-01	C6orf120	chromosome 6 open reading frame 120
229937_x_at	6.20E-04	2.73E-01		
225798_at	6.20E-04	5.15E-01	JAZF1	JAZF zinc finger 1
215076_s_at	6.20E-04	4.73E-01	COL3A1	collagen type III alpha 1 chain
220766_at	6.20E-04	-1.33E-01	BTG4	BTG anti-proliferation factor 4
211817_s_at	6.22E-04	-1.28E-01	KCNJ5	potassium voltage-gated channel subfamily J member 5
213700_s_at	6.25E-04	-3.88E-01	PKM	pyruvate kinase, muscle
212226_s_at	6.26E-04	3.88E-01	PLPP3	phospholipid phosphatase 3
237187_at	6.26E-04	-1.25E-01	HRK	harakiri, BCL2 interacting protein
242741_x_at	6.28E-04	1.72E-01		
1555544_a_at	6.29E-04	-1.03E-01	CADM2	cell adhesion molecule 2
1552937_s_at	6.29E-04	-3.08E-01	ATRIP///TREX1	ATR interacting protein///three prime repair exonuclease 1
244776_at	6.30E-04	-1.08E-01		
1554909_at	6.32E-04	-9.73E-02	CCDC36	coiled-coil domain containing 36
223936_s_at	6.32E-04	-1.51E-01	FOXP1	forkhead box P1
238245_at	6.33E-04	-1.74E-01	ENPP7	ectonucleotide pyrophosphatase/phosphodiesterase 7
236105_at	6.35E-04	7.48E-01	ZBTB10	zinc finger and BTB domain containing 10
233131_at	6.36E-04	-1.29E-01	CFAP58	cilia and flagella associated protein 58
205035_at	6.37E-04	-1.64E-01	CTDP1	CTD phosphatase subunit 1
215218_s_at	6.37E-04	-1.42E-01	WDR62	WD repeat domain 62
211595_s_at	6.39E-04	-3.26E-01	MRPS11	mitochondrial ribosomal protein S11
225552_x_at	6.39E-04	-2.98E-01	AURKAIP1	aurora kinase A interacting protein 1
214992_s_at	6.39E-04	-1.54E-01	DNASE2	deoxyribonuclease 2, lysosomal
1553439_at	6.39E-04	-1.14E-01		
241019_at	6.40E-04	-9.05E-02		
224518_s_at	6.40E-04	5.75E-01	ZNF559	zinc finger protein 559
242723_at	6.40E-04	-3.84E-01		
201511_at	6.42E-04	-2.89E-01	AAMP	angio associated migratory cell protein
1555270_a_at	6.43E-04	-3.95E-01	WFS1	wolframin ER transmembrane glycoprotein
208576_s_at	6.43E-04	-2.72E-01	HIST1H3B	histone cluster 1, H3b

226451_at	6.47E-04	-2.38E-01	FDX1L	ferredoxin 1 like
216026_s_at	6.48E-04	-2.63E-01	POLE	DNA polymerase epsilon, catalytic subunit
1556935_at	6.49E-04	2.64E-01		
210864_x_at	6.51E-04	-1.46E-01	HFE	hemochromatosis
224811_at	6.51E-04	2.73E-01	LPP	LIM domain containing preferred translocation partner in lipoma
211181_x_at	6.54E-04	-1.28E-01	LOC101928269///LOC100506403///RUNX1	uncharacterized LOC101928269///uncharacterized LOC100506403///runt related transcription factor 1
206499_s_at	6.54E-04	-3.24E-01	RCC1	regulator of chromosome condensation 1
218112_at	6.55E-04	-2.96E-01	MRPS34	mitochondrial ribosomal protein S34
226820_at	6.55E-04	4.14E-01	ZNF362	zinc finger protein 362
228586_at	6.58E-04	-1.09E-01		
225345_s_at	6.58E-04	3.51E-01	FBXO32	F-box protein 32
203023_at	6.61E-04	-4.01E-01	NOP16	NOP16 nucleolar protein
221447_s_at	6.62E-04	2.60E-01	GLT8D2	glycosyltransferase 8 domain containing 2
229080_at	6.65E-04	-1.30E-01	COL26A1	collagen type XXVI alpha 1 chain
221494_x_at	6.66E-04	-2.95E-01	EIF3K	eukaryotic translation initiation factor 3 subunit K
1553728_at	6.66E-04	-2.02E-01	LRRC43	leucine rich repeat containing 43
1553647_at	6.69E-04	-1.23E-01	CDYL2	chromodomain Y-like 2
222509_s_at	6.71E-04	-1.33E-01	ZNF672	zinc finger protein 672
218046_s_at	6.72E-04	-3.67E-01	MRPS16	mitochondrial ribosomal protein S16
218865_at	6.73E-04	-4.43E-01	01-3	mitochondrial amidoxime reducing component 1
37892_at	6.73E-04	9.73E-01	COL11A1	collagen type XI alpha 1 chain
235556_at	6.74E-04	5.10E-01	CREBRF	CREB3 regulatory factor
241859_at	6.74E-04	1.12E-01	PLCL1	phospholipase C like 1
43934_at	6.76E-04	-1.04E-01	GPR137	G protein-coupled receptor 137
208982_at	6.76E-04	4.06E-01	PECAM1	platelet and endothelial cell adhesion molecule 1
236401_at	6.76E-04	1.20E-01	GIMAP1	GTPase, IMAP family member 1
217294_s_at	6.77E-04	-7.22E-01	ENO1	enolase 1
1561561_x_at	6.77E-04	-1.11E-01		
221937_at	6.78E-04	2.81E-01	SYNRG	synergin, gamma
202240_at	6.79E-04	-3.50E-01	PLK1	polo like kinase 1
230284_at	6.80E-04	-1.35E-01	MYOM3	myomesin 3
208634_s_at	6.81E-04	2.43E-01	MACF1	microtubule-actin crosslinking factor 1
228585_at	6.82E-04	3.27E-01	ENTPD1	ectonucleoside triphosphate diphosphohydrolase 1
219611_s_at	6.83E-04	-1.49E-01	CEP85	centrosomal protein 85
233621_s_at	6.84E-04	-1.04E-01	ARHGEF12	Rho guanine nucleotide exchange factor 12
1552309_a_at	6.84E-04	4.27E-01	NEXN	nexilin F-actin binding protein
220015_at	6.87E-04	-1.65E-01	CASZ1	castor zinc finger 1
236695_at	6.87E-04	-1.22E-01	STK4-AS1	STK4 antisense RNA 1 (head to head)
212581_x_at	6.89E-04	-3.61E-01	GAPDH	glyceraldehyde-3-phosphate dehydrogenase
211474_s_at	6.89E-04	-5.09E-01	SERPINB6	serpin family B member 6
207339_s_at	6.92E-04	2.71E-01	LTB	lymphotoxin beta
1554951_at	6.94E-04	-1.01E-01		
244830_at	6.96E-04	-9.53E-02	RASIP1	Ras interacting protein 1
239050_s_at	6.96E-04	4.56E-01	CRIPT	CXXC repeat containing interactor of PDZ3 domain
214511_x_at	6.97E-04	3.21E-01	FCGR1B	Fc fragment of IgG receptor Ib
226966_at	6.97E-04	-1.98E-01	PRPF40B	pre-mRNA processing factor 40 homolog B
227289_at	6.98E-04	4.97E-01	PCDH17	protocadherin 17
234373_x_at	6.98E-04	-1.53E-01		
210122_at	7.01E-04	-1.03E-01	PRM2	protamine 2
218441_s_at	7.02E-04	-2.47E-01	RPAP1	RNA polymerase II associated protein 1
227469_at	7.03E-04	-1.00E-01		
201417_at	7.04E-04	4.15E-01	SOX4	SRY-box 4
219350_s_at	7.06E-04	-2.41E-01	DIABLO	diablo IAP-binding mitochondrial protein
200594_x_at	7.09E-04	-1.88E-01	HNRNPU	heterogeneous nuclear ribonucleoprotein U
218110_at	7.09E-04	-1.37E-01	XAB2	XPA binding protein 2
1553222_at	7.10E-04	-1.10E-01	OXER1	oxoeicosanoid receptor 1
1562211_a_at	7.11E-04	-1.47E-01	ZNF491	zinc finger protein 491
1558589_at	7.11E-04	-8.91E-02	LINC00417	long intergenic non-protein coding RNA 417
219843_at	7.12E-04	3.15E-01	IPP	intracisternal A particle-promoted polypeptide
223614_at	7.13E-04	2.16E-01	MMP16	matrix metallopeptidase 16
234813_at	7.14E-04	-9.83E-02	TMEM108	transmembrane protein 108
244186_at	7.15E-04	-1.16E-01		
203728_at	7.16E-04	-3.38E-01	BAK1	BCL2 antagonist/killer 1
223784_at	7.17E-04	4.53E-01	TMEM27	transmembrane protein 27
206034_at	7.17E-04	-3.81E-01	SERPINB8	serpin family B member 8
230050_at	7.19E-04	-1.44E-01	NACC2	NACC family member 2
206284_x_at	7.19E-04	-4.97E-01	CLTB	clathrin light chain B
AFFX-HUMGAPDH/M33197_5_at	7.20E-04	-5.65E-01	GAPDH	glyceraldehyde-3-phosphate dehydrogenase
225254_at	7.21E-04	-1.07E-01	CCDC97	coiled-coil domain containing 97
223501_at	7.23E-04	6.04E-01	TNFSF13B	tumor necrosis factor superfamily member 13b
228885_at	7.26E-04	1.65E-01	MAMDC2	MAM domain containing 2
214247_s_at	7.26E-04	4.54E-01	DKK3	dickkopf WNT signaling pathway inhibitor 3
208260_at	7.26E-04	-1.19E-01	AVPR1B	arginine vasopressin receptor 1B
236891_at	7.27E-04	-1.04E-01		

239286_at	7.28E-04	3.15E-01	CDH11	cadherin 11
231811_at	7.31E-04	-1.23E-01	LOC100653296///LOC100288778///WASH1///LOC100134445///WASH7P///WASH5P///WASH2P///WASH3P	uncharacterized LOC100653296///WAS protein family homolog 1 pseudogene///WAS protein family homolog 1///uncharacterized LOC100134445///WAS protein family homolog 7 pseudogene///WAS protein family homolog 5 pseudogene///WAS protein family homolog 2 pseudogene///WAS protein family homolog 3 pseudogene
238250_at	7.36E-04	-1.25E-01		
214098_at	7.37E-04	4.31E-01	KIAA1107	KIAA1107
201331_s_at	7.37E-04	-2.97E-01	STAT6	signal transducer and activator of transcription 6
226930_at	7.39E-04	6.90E-01	FNDC1	fibronectin type III domain containing 1
200041_s_at	7.42E-04	-3.81E-01	ATP6V1G2-DDX39B///SNORD84///DDX39B	ATP6V1G2-DDX39B readthrough (NMD candidate)///small nucleolar RNA, C/D box 84///DEAD-box helicase 39B
202296_s_at	7.42E-04	-3.88E-01	RER1	retention in endoplasmic reticulum sorting receptor 1
204757_s_at	7.43E-04	-1.68E-01	C2CD2L	C2CD2 like
1564139_at	7.46E-04	1.76E-01	A2M-AS1	A2M antisense RNA 1 (head to head)
225853_at	7.48E-04	-3.63E-01	GNPNAT1	glucosamine-phosphate N-acetyltransferase 1
243357_at	7.48E-04	2.42E-01	NEGR1	neuronal growth regulator 1
1554261_at	7.48E-04	-1.33E-01	KLHL29	kelch like family member 29
1562022_s_at	7.48E-04	-2.32E-01	LOC100130987///RAD9A	uncharacterized LOC100130987///RAD9 checkpoint clamp component A
212554_at	7.49E-04	5.87E-01	CAP2	CAP, adenylate cyclase-associated protein, 2 (yeast)
207923_x_at	7.49E-04	-1.05E-01	PAX8	paired box 8
1554661_s_at	7.49E-04	-2.40E-01	CNST	consortin, connexin sorting protein
214576_at	7.50E-04	-1.34E-01	KRT36	keratin 36
1559515_at	7.53E-04	1.86E-01		
1564373_a_at	7.53E-04	-1.25E-01	LOC283887	uncharacterized LOC283887
229670_at	7.55E-04	3.26E-01		
221117_at	7.55E-04	-7.57E-02		
230522_s_at	7.56E-04	-1.82E-01	ARHGEF39	Rho guanine nucleotide exchange factor 39
242484_at	7.56E-04	-1.07E-01	TTC9B	tetratricopeptide repeat domain 9B
50314_i_at	7.58E-04	-2.60E-01	C20orf27	chromosome 20 open reading frame 27
211067_s_at	7.58E-04	2.85E-01	GAS7	growth arrest specific 7
213389_at	7.59E-04	-2.43E-01	ZNF592	zinc finger protein 592
244289_at	7.59E-04	3.13E-01	ZNF300P1	zinc finger protein 300 pseudogene 1
220272_at	7.61E-04	1.68E-01	BNC2	basonuclin 2
227998_at	7.62E-04	-4.90E-01	S100A16	S100 calcium binding protein A16
220252_x_at	7.65E-04	2.07E-01	CXorf21	chromosome X open reading frame 21
218443_s_at	7.66E-04	-2.40E-01	DAZAP1	DAZ associated protein 1
215235_at	7.67E-04	-3.52E-01	SPTAN1	spectrin alpha, non-erythrocytic 1
239734_at	7.68E-04	2.50E-01		
203365_s_at	7.68E-04	-3.22E-01	MMP15	matrix metallopeptidase 15
224333_s_at	7.68E-04	-2.31E-01	MRPS5	mitochondrial ribosomal protein S5
224064_s_at	7.69E-04	-2.60E-01	DHDDS	dehydrodolichyl diphosphate synthase subunit
242830_at	7.72E-04	-1.06E-01		
214955_at	7.72E-04	-1.35E-01	TMPRSS6	transmembrane protease, serine 6
232078_at	7.73E-04	-2.59E-01	NECTIN2	nectin cell adhesion molecule 2
226119_at	7.76E-04	3.53E-01	PCMTD1	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 1
1553812_at	7.77E-04	-1.26E-01	TLE6	transducin like enhancer of split 6
209416_s_at	7.77E-04	-1.31E-01	FZR1	fizzy/cell division cycle 20 related 1
231104_at	7.78E-04	-3.79E-01	TDRD5	tudor domain containing 5
AFFX-HUMGAPDH/M33197_3_at	7.80E-04	-2.82E-01	GAPDH	glyceraldehyde-3-phosphate dehydrogenase
232329_at	7.81E-04	-9.99E-02	RANBP10	RAN binding protein 10
239918_at	7.82E-04	-1.05E-01	PVR	poliovirus receptor
216581_at	7.83E-04	-1.38E-01		
1566690_at	7.87E-04	-1.19E-01		
218196_at	7.89E-04	3.71E-01	OSTM1	osteopetrosis associated transmembrane protein 1
239395_at	7.91E-04	-1.61E-01	ARRDC3-AS1	ARRDC3 antisense RNA 1
205303_at	7.94E-04	4.39E-01	KCNJ8	potassium voltage-gated channel subfamily J member 8
217904_s_at	7.94E-04	3.57E-01	BACE1	beta-secretase 1
232640_at	7.94E-04	-1.37E-01	COMMD5	COMM domain containing 5
223988_x_at	7.96E-04	-3.09E-01	METTL17	methyltransferase like 17
200828_s_at	7.96E-04	-2.89E-01	ZNF207	zinc finger protein 207
222379_at	7.96E-04	2.12E-01	KCNE4	potassium voltage-gated channel subfamily E regulatory subunit 4
239888_at	7.96E-04	4.40E-01	UBQLN2	ubiquilin 2
212263_at	7.97E-04	4.90E-01	QKI	QKI, KH domain containing RNA binding
205884_at	7.98E-04	2.16E-01	ITGA4	integrin subunit alpha 4
225404_at	7.99E-04	-2.63E-01	SMIM12	small integral membrane protein 12
226531_at	8.00E-04	-2.56E-01	ORAI1	ORAI calcium release-activated calcium modulator 1
212003_at	8.02E-04	-1.63E-01	SZRD1	SUZ RNA binding domain containing 1
218580_x_at	8.05E-04	-3.04E-01	AURKAIP1	aurora kinase A interacting protein 1
228993_s_at	8.05E-04	4.06E-01	BBIP1	BBSome interacting protein 1
1555301_a_at	8.05E-04	-3.35E-01	DIP2A	disco interacting protein 2 homolog A
209008_x_at	8.05E-04	-5.06E-01	KRT8	keratin 8
227978_s_at	8.06E-04	-3.86E-01	ZADH2	zinc binding alcohol dehydrogenase domain containing 2

203660_s_at	8.08E-04	-2.51E-01	PCNT	pericentrin
1557595_at	8.10E-04	-1.18E-01	GINS2	GINS complex subunit 2
209461_x_at	8.11E-04	-3.60E-01	WDR18	WD repeat domain 18
228148_at	8.12E-04	-2.00E-01	ZNF584	zinc finger protein 584
225120_at	8.13E-04	3.20E-01	MIR4657///PURB	microRNA 4657///purine rich element binding protein B
232419_at	8.14E-04	-1.43E-01	TMEM132A	transmembrane protein 132A
202849_x_at	8.14E-04	-1.31E-01	GRK6	G protein-coupled receptor kinase 6
202855_s_at	8.16E-04	-2.37E-01	MIR6787///SLC16A3	microRNA 6787///solute carrier family 16 member 3
203231_s_at	8.17E-04	6.38E-01	ATXN1	ataxin 1
220200_s_at	8.21E-04	-1.79E-01	KMT5A	lysine methyltransferase 5A
232079_s_at	8.22E-04	-3.74E-01	NECTIN2	nectin cell adhesion molecule 2
241724_x_at	8.25E-04	1.27E-01		
244064_at	8.25E-04	-1.17E-01		
232896_at	8.27E-04	-1.09E-01	ERBIN	erbb2 interacting protein
223035_s_at	8.27E-04	-2.95E-01	FARSB	phenylalanyl-tRNA synthetase beta subunit
219090_at	8.31E-04	5.04E-01	SLC24A3	solute carrier family 24 member 3
1553686_at	8.35E-04	-1.44E-01	C18orf25	chromosome 18 open reading frame 25
224130_s_at	8.38E-04	-4.08E-01	SRA1	steroid receptor RNA activator 1
235980_at	8.41E-04	3.22E-01	PIK3CA	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha
213756_s_at	8.42E-04	-1.33E-01	HSF1	heat shock transcription factor 1
213122_at	8.42E-04	3.56E-01	TSPYL5	TSPY like 5
202041_s_at	8.45E-04	-3.75E-01	FIBP	FGF1 intracellular binding protein
224907_s_at	8.47E-04	-2.23E-01	SH3GLB2	SH3 domain containing GRB2 like endophilin B2
212979_s_at	8.49E-04	4.15E-01	LOC100294033///TCAF1	protein FAM115A-like///TRPM8 channel associated factor 1
235752_at	8.49E-04	-1.71E-01		
1563078_at	8.53E-04	-1.04E-01	LOC101929460	uncharacterized LOC101929460
220588_at	8.53E-04	-1.44E-01	BCAS4	breast carcinoma amplified sequence 4
212298_at	8.54E-04	4.93E-01	NRP1	neuropilin 1
215024_at	8.55E-04	2.45E-01	CCZ1B	CCZ1 homolog B, vacuolar protein trafficking and biogenesis associated
240099_at	8.57E-04	-1.36E-01		
208003_s_at	8.57E-04	4.76E-01	NFAT5	nuclear factor of activated T-cells 5
243378_at	8.58E-04	2.21E-01		
209953_s_at	8.60E-04	-3.30E-01	CDC37	cell division cycle 37
211043_s_at	8.61E-04	-4.11E-01	CLTB	clathrin light chain B
221373_x_at	8.61E-04	-1.49E-01	PSPN	persephin
231773_at	8.62E-04	1.39E-01	ANGPTL1	angiopoietin like 1
221849_s_at	8.62E-04	-2.68E-01	DCAF15	DDB1 and CUL4 associated factor 15
217930_s_at	8.64E-04	-2.20E-01	TOLLIP	toll interacting protein
35201_at	8.64E-04	-2.33E-01	HNRNPL	heterogeneous nuclear ribonucleoprotein L
218070_s_at	8.64E-04	-2.44E-01	GMPPA	GDP-mannose pyrophosphorylase A
203832_at	8.66E-04	-2.88E-01	SNRPF	small nuclear ribonucleoprotein polypeptide F
1560922_s_at	8.67E-04	-1.77E-01	ZNF169	zinc finger protein 169
1557867_s_at	8.68E-04	-1.28E-01	CFAP157	cilia and flagella associated protein 157
202477_s_at	8.71E-04	-2.64E-01	TUBGCP2	tubulin gamma complex associated protein 2
206005_s_at	8.75E-04	2.67E-01	CEP162	centrosomal protein 162
238009_at	8.75E-04	4.59E-01	SOX5	SRY-box 5
1555775_a_at	8.75E-04	-9.49E-02	ZAR1	zygote arrest 1
203189_s_at	8.76E-04	-4.36E-01	MIR7113///MIR4691///NDUFS8	microRNA 7113///microRNA 4691///NADH:ubiquinone oxidoreductase core subunit S8
201950_x_at	8.76E-04	-3.42E-01	CAPZB	capping actin protein of muscle Z-line beta subunit
202072_at	8.76E-04	-3.58E-01	HNRNPL	heterogeneous nuclear ribonucleoprotein L
217349_s_at	8.77E-04	-1.35E-01	PRICKLE3	prickle planar cell polarity protein 3
201600_at	8.78E-04	-3.64E-01	PHB2	prohibitin 2
212716_s_at	8.79E-04	-3.17E-01	EIF3K	eukaryotic translation initiation factor 3 subunit K
223744_s_at	8.81E-04	-1.75E-01	SIAE	sialic acid acetylesterase
202434_s_at	8.81E-04	-1.15E-01	CYP1B1	cytochrome P450 family 1 subfamily B member 1
210161_at	8.84E-04	-1.09E-01	NFATC1	nuclear factor of activated T-cells 1
206153_at	8.84E-04	-1.83E-01	CYP4F11	cytochrome P450 family 4 subfamily F member 11
227395_at	8.85E-04	4.52E-01	TBCEL	tubulin folding cofactor E like
1557637_at	8.86E-04	-1.61E-01		
213974_at	8.86E-04	2.36E-01	ADAMTSL3	ADAMTS like 3
208667_s_at	8.88E-04	2.60E-01	ST13	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein)
241464_s_at	8.89E-04	-2.41E-01		
214011_s_at	8.91E-04	-3.60E-01	NOP16	NOP16 nucleolar protein
224549_x_at	8.91E-04	3.07E-01		
224542_s_at	8.92E-04	-1.11E-01	NFATC2	nuclear factor of activated T-cells 2
233549_at	8.93E-04	-9.76E-02	PDE1A	phosphodiesterase 1A
1566700_at	8.94E-04	-1.24E-01	VRK3	vaccinia related kinase 3
217189_s_at	8.95E-04	-1.55E-01	SMG7	SMG7, nonsense mediated mRNA decay factor
225646_at	8.96E-04	3.39E-01	CTSC	cathepsin C
242555_at	8.97E-04	3.68E-01	C16orf87	chromosome 16 open reading frame 87
200773_x_at	8.98E-04	-1.52E-01	PTMA	prothymosin, alpha
215507_x_at	8.98E-04	1.68E-01	RAB22A	RAB22A, member RAS oncogene family
1570292_at	8.99E-04	-8.57E-02	LOC101927123	uncharacterized LOC101927123
57588_at	9.00E-04	4.60E-01	SLC24A3	solute carrier family 24 member 3
209190_s_at	9.02E-04	-2.74E-01	DIAPH1	diaphanous related formin 1

217662_x_at	9.03E-04	2.46E-01		
204473_s_at	9.04E-04	-2.51E-01	ZNF592	zinc finger protein 592
239364_at	9.05E-04	2.55E-01	ETV6	ETS variant 6
206353_at	9.05E-04	-9.35E-02	COX6A2	cytochrome c oxidase subunit 6A2
215179_x_at	9.05E-04	2.24E-01	PGF	placental growth factor
1554444_s_at	9.05E-04	-1.21E-01	SLC35F6	solute carrier family 35 member F6
217967_s_at	9.06E-04	4.84E-01	FAM129A	family with sequence similarity 129 member A
200913_at	9.06E-04	-3.38E-01	PPM1G	protein phosphatase, Mg2+/Mn2+ dependent 1G
230121_at	9.06E-04	1.69E-01	SERTAD4-AS1	SERTAD4 antisense RNA 1
1569487_at	9.06E-04	-1.39E-01		
202822_at	9.07E-04	2.12E-01	LPP	LIM domain containing preferred translocation partner in lipoma
242358_at	9.09E-04	1.06E-01	RASSF8-AS1	RASSF8 atnisense RNA 1
214062_x_at	9.14E-04	-2.08E-01	NFKBIB	NFKB inhibitor beta
217783_s_at	9.16E-04	3.41E-01	YPEL5	yippee like 5
212179_at	9.17E-04	4.51E-01	PNISR	PNN interacting serine and arginine rich protein
212137_at	9.18E-04	-2.30E-01	LARP1	La ribonucleoprotein domain family member 1
225315_at	9.19E-04	-3.67E-01	MRPL21	mitochondrial ribosomal protein L21
228167_at	9.19E-04	5.06E-01	KLHL6	kelch like family member 6
234303_s_at	9.21E-04	1.38E-01	GPR85	G protein-coupled receptor 85
201122_x_at	9.24E-04	-2.26E-01	EIF5A	eukaryotic translation initiation factor 5A
227497_at	9.25E-04	4.51E-01	SOX6	SRY-box 6
1564002_a_at	9.25E-04	2.64E-01	AK9	adenylate kinase 9
239754_at	9.27E-04	-1.32E-01	SNORD65///SNORD49B///LRRC75A-AS1///SNORD49A	small nucleolar RNA, C/D box 65///small nucleolar RNA, C/D box 49B///LRRC75A antisense RNA 1///small nucleolar RNA, C/D box 49A
1559332_at	9.27E-04	3.52E-01		
221383_at	9.27E-04	-1.25E-01	NMUR1	neuromedin U receptor 1
214096_s_at	9.28E-04	-3.48E-01	SHMT2	serine hydroxymethyltransferase 2
227171_at	9.28E-04	-1.24E-01	CCT4	chaperonin containing TCP1 subunit 4
226633_at	9.30E-04	3.44E-01	RAB8B	RAB8B, member RAS oncogene family
243538_at	9.30E-04	-1.69E-01		
217849_s_at	9.32E-04	-2.94E-01	CDC42BPB	CDC42 binding protein kinase beta
222030_at	9.32E-04	-2.40E-01	SIVA1	SIVA1 apoptosis inducing factor
206575_at	9.33E-04	-1.36E-01	CDKL5	cyclin dependent kinase like 5
227627_at	9.35E-04	4.30E-01	C8orf44-SGK3///SGK3	C8orf44-SGK3 readthrough///serum/glucocorticoid regulated kinase family member 3
210386_s_at	9.37E-04	-2.58E-01	MTX1	metaxin 1
241307_at	9.41E-04	-1.03E-01		
207788_s_at	9.44E-04	-1.27E-01	SORBS3	sorbin and SH3 domain containing 3
214531_s_at	9.46E-04	-3.25E-01	SNX1	sorting nexin 1
243140_at	9.47E-04	2.61E-01	ACTA2	actin, alpha 2, smooth muscle, aorta
227300_at	9.47E-04	1.74E-01	TMEM119	transmembrane protein 119
49306_at	9.47E-04	2.54E-01	RASSF4	Ras association domain family member 4
242958_x_at	9.51E-04	8.95E-02		
218142_s_at	9.54E-04	3.12E-01	CRBN	cereblon
1561384_a_at	9.55E-04	-8.50E-02	LOC284661	uncharacterized LOC284661
204760_s_at	9.55E-04	-2.21E-01	NR1D1///THRA	nuclear receptor subfamily 1 group D member 1///thyroid hormone receptor, alpha
217450_at	9.58E-04	-9.52E-02	AGFG2	ArfGAP with FG repeats 2
241380_at	9.59E-04	-1.08E-01	ARHGEF37	Rho guanine nucleotide exchange factor 37
212122_at	9.60E-04	3.68E-01	RHOQ	ras homolog family member Q
227148_at	9.60E-04	4.88E-01	PLEKHH2	pleckstrin homology, MyTH4 and FERM domain containing H2
206331_at	9.62E-04	3.18E-01	CALCRL	calcitonin receptor like receptor
1560353_at	9.64E-04	-1.05E-01		
212691_at	9.64E-04	-2.15E-01	NUP188	nucleoporin 188
218745_x_at	9.65E-04	-2.23E-01	TMEM161A	transmembrane protein 161A
230043_at	9.66E-04	6.43E-01	MUC20	mucin 20, cell surface associated
1560412_at	9.68E-04	-1.18E-01	LOC100507506	uncharacterized LOC100507506
213209_at	9.69E-04	-1.07E-01	TAF6L	TATA-box binding protein associated factor 6 like
203109_at	9.69E-04	-4.15E-01	UBE2M	ubiquitin conjugating enzyme E2 M
1562121_at	9.70E-04	-8.58E-02	CHL1-AS1	CHL1 antisense RNA 1
215859_at	9.71E-04	-9.61E-02	NCLN	nicalin
205145_s_at	9.72E-04	-2.59E-01	MYL5	myosin light chain 5
220323_at	9.72E-04	-1.82E-01	CNTD2	cyclin N-terminal domain containing 2
232125_at	9.72E-04	3.73E-01	ZBTB20	zinc finger and BTB domain containing 20
219207_at	9.73E-04	-2.99E-01	EDC3	enhancer of mRNA decapping 3
203477_at	9.74E-04	6.31E-01	COL15A1	collagen type XV alpha 1 chain
217347_at	9.74E-04	-1.84E-01		
242262_x_at	9.74E-04	-9.06E-02	LINC01360	long intergenic non-protein coding RNA 1360
AFFX-LysX-5_at	9.79E-04	-2.65E-01		
201173_x_at	9.79E-04	-3.06E-01	NUDC	nuclear distribution C, dynein complex regulator
209792_s_at	9.79E-04	-9.80E-01	KLK10	kallikrein related peptidase 10
1553060_at	9.80E-04	-1.28E-01	PSKH2	protein serine kinase H2
201563_at	9.81E-04	-4.50E-01	SORD	sorbitol dehydrogenase
239217_x_at	9.84E-04	-2.69E-01	ABCC3	ATP binding cassette subfamily C member 3
236297_at	9.84E-04	4.07E-01	PLXDC2	plexin domain containing 2

1554907_a_at	9.84E-04	-1.30E-01	LOC101930373///HYDIN2///HYDIN	hydrocephalus-inducing protein homolog///HYDIN2, axonemal central pair apparatus protein (pseudogene)///HYDIN, axonemal central pair apparatus protein
236458_at	9.86E-04	4.13E-01		
206139_at	9.88E-04	-1.14E-01	PI4KB	phosphatidylinositol 4-kinase beta
242803_at	9.90E-04	2.84E-01		
232964_at	9.91E-04	2.80E-01	SPDYE2B///SPDYE6///SPDYE5///SPDYE2///SPDYE1	speedy/RINGO cell cycle regulator family member E2B///speedy/RINGO cell cycle regulator family member E6///speedy/RINGO cell cycle regulator family member E5///speedy/RINGO cell cycle regulator family member E2///speedy/RINGO cell cycle regulator family member E1
203573_s_at	9.94E-04	-3.12E-01	RABGGTA	Rab geranylgeranyltransferase alpha subunit
234465_at	9.94E-04	-1.77E-01	EME1	essential meiotic structure-specific endonuclease 1
207582_at	9.95E-04	-1.18E-01	PIN1P1	peptidylprolyl cis/trans isomerase, NIMA-interacting 1 pseudogene 1
203171_s_at	9.96E-04	-2.48E-01	RRP8	ribosomal RNA processing 8, methyltransferase, homolog (yeast)
1555392_at	9.99E-04	3.57E-01		

Table S3. List of DEGs in DCLK1-B WT versus DCLK1-B KO HCT116 cells

Gene Symbol	DCLK1-B WT			DCLK1B-KO			Full descriptions of the gene	Locus on r	RefSeq mR	RefSeq mR	RefSeq ncR	RefSeq ncR	RefSeq pro	RefSeq pro	Gene type	Ensembl G	Entrez Gen	HGNC ID(s)
	WT1	WT2	WT3	KO1	KO2	KO3												
A1BG	0.057389	0	0.098051	0.121427	0	0.13007	alpha-1-B glycoprotein [Source:HGNC Symbol;Acc:HGNC:5]	chr19:5885	NM_13078	.	.	.	NP_57060	.	protein_co	ENSG0000	1	5
A1CF	0.17037	0.071402	0.029692	0.011344	0.153164	0.03151	APOBEC1 complementation factor [Source:HGNC Symbol;Acc:HG	chr10:5255	NM_00119	XM_01701	.	.	NP_00118	XP_005269	protein_co	ENSG0000	29974	24086
A2M	0.02614	0.040728	0.022744	0	0.029566	0.01349	alpha-2-macroglobulin [Source:HGNC Symbol;Acc:HGNC:7]	chr12:9220	NM_00001	XM_00671	.	.	NP_00000	XP_006719	protein_co	ENSG0000	2	7
A2ML1	0	0.025338	0	0	0	0	alpha-2-macroglobulin like 1 [Source:HGNC Symbol;Acc:HGNC:23	chr12:8975	NM_00128	XM_01152	.	.	NP_00126	XP_011518	protein_co	ENSG0000	144568	23336
A3GALT2	0	0.241825	0	0	0.145016	0	alpha 1,3-galactosyltransferase 2 [Source:HGNC Symbol;Acc:HGN	chr1:33772	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	127550	30005
A4GALT	6.66231	6.9808	8.44548	7.84005	6.9955	8.0222	alpha 1,4-galactosyltransferase [Source:HGNC Symbol;Acc:HGNC:	chr22:4308	NM_00131	XM_01153	.	.	NP_00130	XP_005261	protein_co	ENSG0000	53947	18149
A4GNT	0	0	0	0	0	0	alpha-1,4-N-acetylglucosaminyltransferase [Source:HGNC Symbo	chr3:13784	NM_01616	.	.	.	NP_05724	XP_016862	protein_co	ENSG0000	51146	17968
AAAS	41.4229	41.5927	33.4998	47.0711	35.9008	30.4847	aladin WD repeat nucleoporin [Source:HGNC Symbol;Acc:HGNC:1	chr12:5370	NM_00117	XM_01153	.	.	NP_00116	XP_011537	protein_co	ENSG0000	8086	13666
AACS	6.15576	7.96496	7.92365	7.74371	6.45278	6.51129	acetoacetyl-CoA synthetase [Source:HGNC Symbol;Acc:HGNC:212	chr12:1255	NM_02392	XM_00525	.	.	NP_07641	.	protein_co	ENSG0000	65985	21298
AADAC	2.07691	3.25846	4.07044	1.27104	1.59527	1.78065	arylacetamide deacetylase [Source:HGNC Symbol;Acc:HGNC:17]	chr3:15153	NM_00108	XM_00524	.	.	NP_00107	XP_005247	protein_co	ENSG0000	13	17
AADACL2	0	0	0	0	0	0	arylacetamide deacetylase like 2 [Source:HGNC Symbol;Acc:HGN	chr3:15145	NM_20736	.	.	.	NP_99724	.	protein_co	ENSG0000	344752	24427
AADACL3	0	0	0	0	0	0	arylacetamide deacetylase like 3 [Source:HGNC Symbol;Acc:HGN	chr1:12776	NM_00110	.	NR_11198	.	NP_00109	.	protein_co	ENSG0000	126767	32037
AADACL4	0	0	0	0	0	0	arylacetamide deacetylase like 4 [Source:HGNC Symbol;Acc:HGN	chr1:12704	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	343066	32038
AADAT	9.24151	9.31816	7.88466	8.21248	8.57787	7.97648	aminoadipate aminotransferase [Source:HGNC Symbol;Acc:HGN	chr4:17098	NM_00128	XM_00671	.	.	NP_00127	XP_006714	protein_co	ENSG0000	51166	17929
AAED1	7.5649	7.00093	8.63785	6.58897	8.15617	7.29128	AhpC/TSA antioxidant enzyme domain containing 1 [Source:HGN	chr9:99401	NM_15369	XM_00525	.	.	NP_71454	XP_005251	protein_co	ENSG0000	195827	16881
AAGAB	40.4307	41.5295	42.8756	47.4052	45.4781	46.3735	alpha- and gamma-adaptin binding protein [Source:HGNC Symbo	chr15:6749	NM_00127	XM_01152	.	.	NP_00125	XP_011520	protein_co	ENSG0000	79719	25662
AAK1	2.95471	2.92932	2.90223	1.45168	1.61639	1.92291	AP2 associated kinase 1 [Source:HGNC Symbol;Acc:HGNC:19679]	chr2:69688	NM_01491	.	.	.	NP_05572	.	protein_co	ENSG0000	22848	19679
AAMDC	8.23566	10.5891	6.7416	11.2327	7.33941	12.1782	adipogenesis associated Mth938 domain containing [Source:HGN	chr11:7753	NM_00131	XM_01154	.	.	NP_00130	XP_005273	protein_co	ENSG0000	28971	30205
AAMP	92.2091	94.2251	79.4299	106.624	90.9083	70.2651	angio associated migratory cell protein [Source:HGNC Symbol;Ac	chr2:21912	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	14	18
AANAT	0.24984	0	0.095223	0.119581	0	0.250295	aralkylamine N-acetyltransferase [Source:HGNC Symbol;Acc:HGN	chr17:7444	NM_00108	XM_01152	.	.	NP_00107	XP_011522	protein_co	ENSG0000	15	19
AAR2	24.5701	24.0277	21.1824	27.2094	21.8848	18.1098	AAR2 splicing factor homolog [Source:HGNC Symbol;Acc:HGNC:1	chr20:3482	NM_00127	XM_01152	.	.	NP_00125	XP_006723	protein_co	ENSG0000	25980	15886
AARD	0	0	0	0	0	0	alanine and arginine rich domain containing protein [Source:HGN	chr8:11795	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	441376	33842
AARS	83.0899	88.505	54.6942	72.2496	65.7216	149.444	alanyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:20]	chr16:7028	NM_00160	.	.	.	NP_00159	.	protein_co	ENSG0000	16	20
AARS2	6.65889	6.96981	6.29575	5.97773	5.90678	3.65828	alanyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;A	chr6:44238	NM_02074	XM_01151	.	.	NP_06579	XP_005249	protein_co	ENSG0000	57505	21022
AARSD1	31.9996	30.6891	24.6546	41.0968	36.3349	23.8351	alanyl-tRNA synthetase domain containing 1 [Source:HGNC Symb	chr17:4110	NM_00126	.	.	.	NP_00124	.	protein_co	ENSG0000	80755	28417
AASDH	4.88116	5.44498	6.28085	3.68406	4.02539	5.74651	aminoadipate-semialdehyde dehydrogenase [Source:HGNC Symb	chr4:57204	NM_00128	XM_01153	.	.	NP_00127	XP_005265	protein_co	ENSG0000	132949	23993
AASDHPPT	37.4594	38.3306	36.6411	34.917	45.0911	42.9293	aminoadipate-semialdehyde dehydrogenase-phosphopantethein	chr11:1059	NM_01542	.	.	.	NP_05623	.	protein_co	ENSG0000	60496	14235
AASS	1.77004	1.80387	2.44173	1.3868	1.52077	2.13717	aminoadipate-semialdehyde synthase [Source:HGNC Symbol;Acc	chr7:12171	NM_00576	XM_01151	.	.	NP_00575	XP_011514	protein_co	ENSG0000	10157	17366
AATF	50.2124	51.1789	44.7588	53.5426	47.6714	39.4198	apoptosis antagonizing transcription factor [Source:HGNC Symbo	chr17:3530	NM_01213	XM_01152	.	.	NP_03627	XP_011522	protein_co	ENSG0000	26574	19235
AATK	1.03003	1.2893	1.3085	0.768539	1.03937	1.00941	apoptosis associated tyrosine kinase [Source:HGNC Symbol;Acc:H	chr17:7900	NM_00108	XM_01702	.	.	NP_00107	XP_006722	protein_co	ENSG0000	9625	21
AATK-AS1	0	0	0	0	0	0	AATK antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:40053]	chr17:7900	.	.	NR_02725	.	.	.	protein_co	ENSG0000	388428	40053
ABAT	1.72279	2.2278	2.80507	2.39972	2.51205	2.45927	4-aminobutyrate aminotransferase [Source:HGNC Symbol;Acc:HG	chr16:8768	NM_00066	XM_01152	.	.	NP_00065	XP_011520	protein_co	ENSG0000	18	23
ABC7-42404400C24.1	9.69E-09	8.49E-08	0.030503	0.077778	1.65E-08	1.06E-09	.	chr10:4695	.	XM_01701	.	.	.	XP_006718	protein_co	ENSG0000	83849, 102	.
ABCA1	0.374337	0.286603	0.521352	0.007456	0.007516	0.006774	ATP binding cassette subfamily A member 1 [Source:HGNC Symb	chr9:10754	NM_00550	XM_01151	.	.	NP_00549	XP_005251	protein_co	ENSG0000	19	29
ABCA10	0.061754	0.093787	0.086264	0.028532	0.013562	0.058935	ATP binding cassette subfamily A member 10 [Source:HGNC Sym	chr17:6714	NM_08028	.	.	.	NP_52502	.	protein_co	ENSG0000	10349	30
ABCA12	0.757806	0.904821	0.855142	0.630021	0.989393	1.32751	ATP binding cassette subfamily A member 12 [Source:HGNC Sym	chr2:21579	NM_01565	XM_01151	.	.	NP_05647	XP_011509	protein_co	ENSG0000	26154	14637
ABCA13	0	0.004925	0.003991	0.005244	0	0	ATP binding cassette subfamily A member 13 [Source:HGNC Sym	chr7:48211	NM_15270	XM_01151	.	.	NP_68991	XP_011513	protein_co	ENSG0000	154664	14638
ABCA2	17.1147	18.586	27.0024	15.3261	14.9731	15.9671	ATP binding cassette subfamily A member 2 [Source:HGNC Symb	chr9:13990	NM_00160	XM_01151	.	XR_00174	NP_00159	XP_006717	protein_co	ENSG0000	20	32
ABCA3	2.1218	3.20118	3.9963	1.82067	1.55872	2.29791	ATP binding cassette subfamily A member 3 [Source:HGNC Symb	chr16:2325	NM_00108	.	.	.	NP_00108	.	protein_co	ENSG0000	21	33
ABCA4	0.055155	0.037197	0.206604	0.140846	0.146784	0.077734	ATP binding cassette subfamily A member 4 [Source:HGNC Symb	chr1:94458	NM_00035	.	.	.	NP_00034	.	protein_co	ENSG0000	24	34
ABCA5	1.53251	1.57418	1.96595	1.22415	1.59674	2.28664	ATP binding cassette subfamily A member 5 [Source:HGNC Symb	chr17:6714	NM_01867	.	.	.	NP_06114	.	protein_co	ENSG0000	23461	35
ABCA6	0.014418	0.062244	0.025158	0	0.015821	0.10128	ATP binding cassette subfamily A member 6 [Source:HGNC Symb	chr17:6707	NM_08028	XM_01702	.	.	NP_52502	XP_011522	protein_co	ENSG0000	23460	36
ABCA7	10.1438	10.7008	14.543	8.32842	7.36934	7.67579	ATP binding cassette subfamily A member 7 [Source:HGNC Symb	chr19:1040	NM_01911	XM_01152	.	.	NP_06198	XP_006722	protein_co	ENSG0000	10347	37
ABCA8	0	0	0	0	0	0	ATP binding cassette subfamily A member 8 [Source:HGNC Symb	chr17:6686	NM_00128	XM_01152	.	.	NP_00127	XP_005256	protein_co	ENSG0000	10351	38
ABCA9	0.011848	0.025195	0	0	0	0.023355	ATP binding cassette subfamily A member 9 [Source:HGNC Symb	chr17:6697	NM_08028	XM_01702	.	.	NP_52502	XP_011522	protein_co	ENSG0000	10350	39
ABCB1	0.83012	1.18903	1.22091	1.75153	1.3666	1.71693	ATP binding cassette subfamily B member 1 [Source:HGNC Symb	chr7:87132	NM_00092	.	.	.	NP_00091	.	protein_co	ENSG0000	5243	40
ABCB10	8.2053	9.47316	8.69251	10.874	9.12956	8.64813	ATP binding cassette subfamily B member 10 [Source:HGNC Sym	chr1:22965	NM_01208	XM_01154	.	.	NP_03622	XP_011542	protein_co	ENSG0000	23456	41
ABCB11	0	0	0	0	0	0	ATP binding cassette subfamily B member 11 [Source:HGNC Sym	chr2:16977	NM_00374	XM_01151	.	.	NP_00373	XP_006712	protein_co	ENSG0000	8647	42
ABCB4	0	0.019242	0.015934	0.020571	0	0.018542	ATP binding cassette subfamily B member 4 [Source:HGNC Symb	chr7:87031	NM_00044	XM_01151	.	.	NP_00043	XP_011514	protein_co	ENSG0000	5244	45
ABCB5	0.012842	0	0.011177	0	0.028463	0	ATP binding cassette subfamily B member 5 [Source:HGNC Symb	chr7:20654	NM_00116	XM_01151	.	.	NP_00115	XP_011513	protein_co	ENSG0000	340273	46
ABCB6	7.86523	7.19947	7.85593	4.63857	4.39892	4.64576	ATP binding cassette subfamily B member 6 (Langereis blood gro	chr2:22007	NM_00568	.	.	.	NP_00568	.	protein_co	ENSG0000	10058	47
ABCB7	9.56218	8.99562	11.8415	8.11364	9.63499	10.1892	ATP binding cassette subfamily B member 7 [Source:HGNC Symb	chrX:74273	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	22	48
ABCB8	20.9172	20.6733	17.8252	19.4087	17.2541	14.8139	ATP binding cassette subfamily B member 8 [Source:HGNC Symb	chr7:15072	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	11194	49
ABCB9	4.27419	4.69374	4.76872	3.56556	3.58683	3.14655	ATP binding cassette subfamily B member 9 [Source:HGNC Symb	chr12:1234	NM_00124	XM_01701	.	.	NP_00122	XP_005253	protein_co	ENSG0000	23457	50
ABCC1	18.7867	19.5997	21.0364	19.2557	18.6804	19.7543	ATP binding cassette subfamily C member 1 [Source:HGNC Symb	chr16:1604	NM_00499	XM_01702	.	.	NP_00498	XP_011520	protein_co	ENSG0000	4363	51
ABCC10	7.08173	7.3925	7.83759	5.66048	6.14483	4.91167	ATP binding cassette subfamily C member 10 [Source:HGNC Sym	chr6:43395	NM_00119	XM_01701	.	.	NP_00118	XP_011513	protein_co	ENSG0000	89845	52

ABCC11	0.044898	0.030581	0.025912	0	0.05116	0.078584	ATP binding cassette subfamily C member 11 [Source:HGNC Syml	chr16:4820	NM_03258	XM_01702	.	.	NP_11597	XP_011521	protein_co	ENSG0000	85320	14639
ABCC12	0.012767	0	0.011079	0	0.014444	0.013175	ATP binding cassette subfamily C member 12 [Source:HGNC Syml	chr16:4811	NM_03322	.	.	.	NP_15022	.	protein_co	ENSG0000	94160	14640
ABCC2	14.046	12.5137	13.6564	45.8952	46.911	49.3403	ATP binding cassette subfamily C member 2 [Source:HGNC Symbo	chr10:1015	NM_00039	.	.	.	NP_00038	.	protein_co	ENSG0000	1244	53
ABCC3	4.7867	4.63481	8.04884	2.70233	2.98015	4.48812	ATP binding cassette subfamily C member 3 [Source:HGNC Symbo	chr17:4871	NM_00114	XM_01152	.	.	NP_00113	XP_005257	protein_co	ENSG0000	8714	54
ABCC4	9.73186	10.104	11.1228	10.0164	12.3684	11.6384	ATP binding cassette subfamily C member 4 [Source:HGNC Symbo	chr13:9567	NM_00110	XM_01702	.	.	NP_00109	XP_005254	protein_co	ENSG0000	10257	55
ABCC5	10.1047	9.5562	9.9481	7.56939	7.96408	6.51047	ATP binding cassette subfamily C member 5 [Source:HGNC Symbo	chr3:18363	NM_00102	XM_01700	.	.	NP_00101	XP_005247	protein_co	ENSG0000	10057	56
ABCC6	0.788705	1.37159	0.795745	0.683308	1.10751	0.132092	ATP binding cassette subfamily C member 6 [Source:HGNC Symbo	chr16:1624	NM_00107	XM_01152	.	.	NP_00107	XP_011520	protein_co	ENSG0000	10536923	57
ABCC8	0	0	0.024127	0	0.016219	0.015286	ATP binding cassette subfamily C member 8 [Source:HGNC Symbo	chr11:1741	NM_00035	XM_01701	.	.	NP_00034	XP_011518	protein_co	ENSG0000	6833	59
ABCC9	0	0.047474	0	0	0.016561	0	ATP binding cassette subfamily C member 9 [Source:HGNC Symbo	chr12:2195	NM_00569	XM_01152	.	.	NP_00568	XP_005253	protein_co	ENSG0000	10060	60
ABCD1	3.63872	3.91099	4.34637	4.15667	2.92066	3.4373	ATP binding cassette subfamily D member 1 [Source:HGNC Symbo	chrX:15299	NM_00003	.	.	.	NP_00002	.	protein_co	ENSG0000	215	61
ABCD2	0.014496	0.015872	0.012597	0.016831	0.031718	0.013661	ATP binding cassette subfamily D member 2 [Source:HGNC Symbo	chr12:3994	NM_00516	XM_01153	.	.	NP_00515	XP_011536	protein_co	ENSG0000	225	66
ABCD3	21.3344	18.2476	23.0128	19.1904	26.5183	26.399	ATP binding cassette subfamily D member 3 [Source:HGNC Symbo	chr1:94884	NM_00112	XM_01700	.	.	NP_00111	XP_006710	protein_co	ENSG0000	5825	67
ABCD4	10.2828	10.4617	9.86624	11.5835	11.206	9.17097	ATP binding cassette subfamily D member 4 [Source:HGNC Symbo	chr14:7475	NM_00505	XM_01153	.	.	NP_00504	XP_005267	protein_co	ENSG0000	5826	68
ABCE1	59.5834	55.971	58.8868	56.9617	72.9008	67.1731	ATP binding cassette subfamily E member 1 [Source:HGNC Symbo	chr4:14591	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	6059	69
ABCF1	28.5006	30.2555	25.5394	31.4603	27.5329	23.3034	ATP binding cassette subfamily F member 1 [Source:HGNC Symbo	chr6:30539	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	23	70
ABCF2	44.2659	48.0255	38.2928	47.5277	42.9703	31.7543	ATP binding cassette subfamily F member 2 [Source:HGNC Symbo	chr7:15090	NM_00569	XM_00671	.	.	NP_00568	XP_005249	protein_co	ENSG0000	10061	71
ABCF3	30.3457	31.8121	26.1559	32.0986	30.8998	23.7496	ATP binding cassette subfamily F member 3 [Source:HGNC Symbo	chr3:18390	NM_01835	XM_01151	.	.	NP_06082	XP_011511	protein_co	ENSG0000	55324	72
ABCG1	0.650622	0.654129	0.827374	0.685305	0.385344	0.663063	ATP binding cassette subfamily G member 1 [Source:HGNC Symbo	chr21:4361	NM_00491	XM_01152	.	.	NP_00490	XP_011528	protein_co	ENSG0000	9619	73
ABCG2	1.04719	0.904405	0.98829	0.837283	1.04764	0.941705	ATP binding cassette subfamily G member 2 (Junior blood group)	chr4:89011	NM_00125	XM_01153	.	.	NP_00124	XP_005263	protein_co	ENSG0000	9429	74
ABCG4	1.38912	1.21085	1.46523	1.62975	1.30947	1.5189	ATP binding cassette subfamily G member 4 [Source:HGNC Symbo	chr11:1190	NM_00114	XM_01154	.	.	NP_00113	XP_011541	protein_co	ENSG0000	64137	13884
ABCG5	0	0	0	0	0	0	ATP binding cassette subfamily G member 5 [Source:HGNC Symbo	chr2:44039	NM_02243	XM_01153	.	.	NP_07188	XP_005264	protein_co	ENSG0000	64240	13886
ABCG8	0	0	0	0	0	0	ATP binding cassette subfamily G member 8 [Source:HGNC Symbo	chr2:44066	NM_02243	XM_01153	.	.	NP_07188	XP_005264	protein_co	ENSG0000	64241	13887
ABHD1	0	0	0	0	0	0	abhydrolase domain containing 1 [Source:HGNC Symbol;Acc:HGN	chr2:27346	NM_03260	XM_01153	.	.	NP_11599	XP_011531	protein_co	ENSG0000	84696	17553
ABHD10	103.325	99.253	135.492	104.66	107.663	112.609	abhydrolase domain containing 10 [Source:HGNC Symbol;Acc:HG	chr3:11169	NM_00127	XM_01151	.	.	NP_00125	XP_011511	protein_co	ENSG0000	55347	25656
ABHD11	25.2343	24.7562	26.8277	24.5409	20.096	21.9229	abhydrolase domain containing 11 [Source:HGNC Symbol;Acc:HG	chr7:73150	NM_00114	XM_01151	NR_02691	.	NP_00113	XP_011514	protein_co	ENSG0000	83451	16407
ABHD12	16.9443	19.4969	15.0243	18.9195	15.8671	17.3723	abhydrolase domain containing 12 [Source:HGNC Symbol;Acc:HG	chr20:2522	NM_00104	XM_01152	.	.	NP_00103	XP_011527	protein_co	ENSG0000	26090	15868
ABHD12B	0	0	0	0	0	0	abhydrolase domain containing 12B [Source:HGNC Symbol;Acc:H	chr14:5132	NM_00120	XM_01153	.	.	NP_00119	XP_011534	protein_co	ENSG0000	145447	19837
ABHD13	3.33256	4.0983	3.58535	4.35285	4.39979	4.96528	abhydrolase domain containing 13 [Source:HGNC Symbol;Acc:HG	chr13:1088	NM_03289	XM_01152	.	.	NP_11624	XP_011519	protein_co	ENSG0000	84945	20293
ABHD14A	9.74317	10.9948	8.18018	11.9487	8.44448	5.81954	abhydrolase domain containing 14A [Source:HGNC Symbol;Acc:H	chr3:52002	NM_01540	.	.	.	NP_05622	.	protein_co	ENSG0000	25864	24538
ABHD14A-ACY1	1.82E-16	0.000904	0.000382	2.56E-13	6.59E-05	0.176399	ABHD14A-ACY1 readthrough [Source:HGNC Symbol;Acc:HGNC:38	chr3:52002	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	10052676	38856
ABHD14B	61.9407	62.9576	60.6856	59.5356	52.8489	41.2171	abhydrolase domain containing 14B [Source:HGNC Symbol;Acc:H	chr3:52002	NM_00114	XM_01153	.	.	NP_00113	XP_011532	protein_co	ENSG0000	84836	28235
ABHD15	6.76471	6.00232	7.35591	4.58573	4.44965	4.55899	abhydrolase domain containing 15 [Source:HGNC Symbol;Acc:HG	chr17:2788	NM_19814	.	.	.	NP_93779	.	protein_co	ENSG0000	116236	26971
ABHD16A	16.0538	15.6347	13.5243	15.8401	12.1485	13.013	abhydrolase domain containing 16A [Source:HGNC Symbol;Acc:H	chr6:31654	NM_00117	.	.	.	NP_00117	.	protein_co	ENSG0000	7920	13921
ABHD16B	0	0	0	0.097559	0	0	abhydrolase domain containing 16B [Source:HGNC Symbol;Acc:H	chr20:6249	NM_08062	.	.	.	NP_54218	.	protein_co	ENSG0000	140701	16128
ABHD17A	29.6388	33.7976	34.7248	39.1087	31.483	36.6876	abhydrolase domain containing 17A [Source:HGNC Symbol;Acc:H	chr19:1876	NM_00113	XM_01152	.	.	NP_00112	XP_011526	protein_co	ENSG0000	81926	28756
ABHD17B	11.0593	10.8299	11.7301	13.1788	13.2892	11.6171	abhydrolase domain containing 17B [Source:HGNC Symbol;Acc:H	chr9:74477	NM_00102	XM_01701	.	.	NP_00102	XP_006717	protein_co	ENSG0000	51104	24278
ABHD17C	21.2353	24.4815	24.1397	27.9851	32.312	28.3959	abhydrolase domain containing 17C [Source:HGNC Symbol;Acc:H	chr15:8097	NM_02121	.	.	.	NP_06703	.	protein_co	ENSG0000	58489	26925
ABHD18	4.26254	3.43553	4.15067	2.55874	3.4447	4.42664	abhydrolase domain containing 18 [Source:HGNC Symbol;Acc:HG	chr4:12888	NM_00103	XM_01153	.	.	NP_00103	XP_005263	protein_co	ENSG0000	80167	26111
ABHD2	12.5464	12.794	9.95299	10.527	12.4104	12.9818	abhydrolase domain containing 2 [Source:HGNC Symbol;Acc:HGN	chr15:8963	NM_00701	XM_01152	.	.	NP_00894	XP_005254	protein_co	ENSG0000	11057	18717
ABHD3	22.8378	23.7769	22.3126	27.4256	26.5695	25.9564	abhydrolase domain containing 3 [Source:HGNC Symbol;Acc:HGN	chr18:1923	NM_00130	XM_01152	.	.	NP_00129	XP_011524	protein_co	ENSG0000	171586	18718
ABHD4	6.34627	6.84859	5.63136	4.15607	4.09436	4.40401	abhydrolase domain containing 4 [Source:HGNC Symbol;Acc:HGN	chr14:2306	NM_02206	.	.	.	NP_07134	XP_005268	protein_co	ENSG0000	63874	20154
ABHD5	11.3124	11.6407	9.26298	12.0843	12.2961	9.72729	abhydrolase domain containing 5 [Source:HGNC Symbol;Acc:HGN	chr3:43732	NM_01600	XM_01153	.	.	NP_05709	XP_011532	protein_co	ENSG0000	51099	21396
ABHD6	6.37772	5.56475	7.19807	8.83758	6.96964	7.6615	abhydrolase domain containing 6 [Source:HGNC Symbol;Acc:HGN	chr3:58223	NM_00132	XM_00526	.	.	NP_00130	XP_005265	protein_co	ENSG0000	57406	21398
ABHD8	2.53314	3.27939	3.75529	3.28498	3.12783	5.00617	abhydrolase domain containing 8 [Source:HGNC Symbol;Acc:HGN	chr19:1740	NM_02452	.	.	.	NP_07880	.	protein_co	ENSG0000	79575	23759
ABI1	15.6435	13.5272	14.4053	12.8817	12.7244	14.1084	abl interactor 1 [Source:HGNC Symbol;Acc:HGNC:11320]	chr10:2698	NM_00101	XM_00671	.	.	NP_00101	XP_005252	protein_co	ENSG0000	10006	11320
ABI2	13.1086	13.9818	17.6979	11.567	11.5789	17.9351	abl interactor 2 [Source:HGNC Symbol;Acc:HGNC:24011]	chr2:20419	NM_00128	XM_01700	.	.	NP_00126	XP_005246	protein_co	ENSG0000	10152	24011
ABI3	0.046168	0.045094	0.063034	0	0	0.040458	ABI family member 3 [Source:HGNC Symbol;Acc:HGNC:29859]	chr17:4728	NM_00113	XM_01152	.	.	NP_00112	XP_005257	protein_co	ENSG0000	51225	29859
ABI3BP	0.031077	0.049493	0.05406	0.087661	0.085666	0.030808	ABI family member 3 binding protein [Source:HGNC Symbol;Acc:H	chr3:10046	NM_01542	XM_01151	.	.	NP_05624	XP_005247	protein_co	ENSG0000	25890	17265
ABL1	18.8129	20.5644	19.3685	19.396	18.7034	16.4743	ABL proto-oncogene 1, non-receptor tyrosine kinase [Source:HGN	chr9:13358	NM_00515	.	.	.	NP_00514	.	protein_co	ENSG0000	25	76
ABL2	5.80772	6.20951	5.84252	4.74801	5.67046	5.92615	ABL proto-oncogene 2, non-receptor tyrosine kinase [Source:HGN	chr1:17906	NM_00113	XM_00524	.	.	NP_00112	XP_005245	protein_co	ENSG0000	27	77
ABLIM1	32.0918	33.7533	46.4273	28.5652	34.628	35.8955	actin binding LIM protein 1 [Source:HGNC Symbol;Acc:HGNC:78]	chr10:1161	NM_00100	XM_01701	.	.	NP_00100	XP_005269	protein_co	ENSG0000	3983	78
ABLIM2	1.52536	1.61783	1.7361	1.60572	1.50541	1.30979	actin binding LIM protein family member 2 [Source:HGNC Symbo	chr4:79670	NM_00113	XM_01700	.	.	NP_00112	XP_005248	protein_co	ENSG0000	84448	19195
ABLIM3	5.06155	6.09768	5.98467	4.91974	4.95592	4.5213	actin binding LIM protein family member 3 [Source:HGNC Symbo	chr5:14852	NM_00130	XM_01700	.	.	NP_00128	XP_005268	protein_co	ENSG0000	22885	29132
ABO	0	0.097893	0.084509	0.21221	0.228399	0.164366	ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminy	chr9:13613	NM_02046	.	.	.	NP_06520	.	protein_co	ENSG0000	28	79
ABR	18.7894	20.1244	19.0401	12.8321	12.0967	13.0258	active BCR-related [Source:HGNC Symbol;Acc:HGNC:81]	chr17:9003	NM_00109	XM_01152	.	.	NP_00108	XP_011522	protein_co	ENSG0000	29	81
ABRA	0.025626	0	0	0	0	0	actin binding Rho activating protein [Source:HGNC Symbol;Acc:H	chr8:10777	NM_13916	.	.	.	NP_63190	.	protein_co	ENSG0000	137735	30655
ABRACL	67.5801	64.912	72.2614	79.0224	72.411	87.1553	ABRA C-terminal like [Source:HGNC Symbol;Acc:HGNC:21230]	chr6:13934	NM_02124	.	.	.	NP_06706	XP_016866	protein_co	ENSG0000	58527	21230
ABT1	25.4703	26.9341	23.6093	26.5282	22.2225	16.5237	activator of basal transcription 1 [Source:HGNC Symbol;Acc:HGN	chr6:26597	NM_01337	.	.	.	NP_03750	.	protein_co	ENSG0000	29777	17369
ABTB1	6.24594	6.02615	6.8271	3.66838	2.59331	5.01877	ankyrin repeat and BTB domain containing 1 [Source:HGNC Symb	chr3:12739	NM_03254	XM_01700	.	.	NP_11593	XP_006713	protein_co	ENSG0000	80325	18275

ABTB2	4.35104	4.88672	4.41866	3.75213	3.20684	4.17114	ankyrin repeat and BTB domain containing 2 [Source:HGNC Symb	chr11:3417	NM_14580	.	.	.	NP_66580	.	protein_co	ENSG0000	25841	23842
AC000003.2	0	0	0	0	0	0	CDNA FLJ25865 fis, clone CBR01927 [Source:UniProtKB/TrEMBL;	chr17:9813	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC002310.13	1.59E-08	1.27393	0.030306	2.32E-38	4.11E-05	4.15E-41	.	chr16:3054	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC002429.5	0	0	0	0	0	0	.	chr7:94536	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC002451.1	0	0	0	0	0	0	Protein LOC100996577 [Source:UniProtKB/TrEMBL;Acc:M0R3I6]	chr7:95171	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC002472.1	0	0	0	0	0	0	Metazoan signal recognition particle RNA [Source:RFAM;Acc:RF0	chr22:2135	.	.	.	.	.	.	misc_RNA	ENSG0000	.	.
AC003002.4	2.94E-62	1.7E-105	3.95E-52	1.6E-301	1.44E-57	4.3E-161	.	chr19:5787	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC003002.6	7.68E-46	3.46E-54	8.58E-63	1.03E-80	2.6E-45	1.81E-40	.	chr19:5787	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC003006.7	3.71E-07	2.3E-06	3.89E-05	6.49E-07	2.18E-05	0.269716	.	chr19:5819	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC003043.1	0	0	0	0	0	0	.	chr17:4232	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC004017.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R3E	chr19:5819	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC004076.7	5.39963	4.55509	2.65644	5.98184	5.33182	4.4944	.	chr19:5787	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC004076.9	0	0	6.07E-80	0	0	0	.	chr19:5787	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC004381.6	4.24236	3.72393	3.61461	3.99824	3.77439	3.78484	Putative RNA exonuclease NEF-sp [Source:UniProtKB/Swiss-Prot;	chr16:2077	NM_00114	XM_01702	.	.	NP_00113	XP_005255	protein_co	ENSG0000	81691	.
AC004528.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QY0	chr19:9996	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC004754.3	0.121286	0.123168	4.93E-58	0.121379	1.69E-16	5.74E-18	.	chr16:2845	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC004817.1	0	0	0	0	0	0	HCG2028611; Uncharacterized protein [Source:UniProtKB/TrEM	chr14:7168	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC004824.2	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QXB	chr1:17634	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC004899.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R02	chr7:48887	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC005082.1	0	0.91289	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H7BYU	chr7:23145	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC005281.1	0	0	0	0.044664	0	0	.	chr7:12522	.	XM_01151	NR_13626	.	.	XP_011513	protein_co	ENSG0000	102725191	.
AC005358.1	0	0.073833	0	0	0	0	.	chr17:1256	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	.	.
AC005477.1	0	0	0	0	0	0	.	chr14:7239	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC005488.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R18	chr7:72459	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC005493.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H7BYU	chr7:34685	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC005544.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H0Y3C3	chr17:6496	.	.	.	.	.	.	protein_co	ENSG0000	101929306	.
AC005549.3	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R0Z	chr17:3258	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC005606.1	5.62E-63	8E-187	1.4E-102	0	5.3E-122	3.77E-89	LOC283868 protein; Uncharacterized protein [Source:UniProtKB/	chr16:2022	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC005609.1	0	0	0	0	0	0	Uncharacterized protein; cDNA FLJ34090 fis, clone FCBBF300639	chr5:14016	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC005841.1	0	0	0	0	0	0	Uncharacterized protein ENSP00000372125 [Source:UniProtKB/S	chr12:2958	.	XM_00525	.	.	.	XP_005276	protein_co	ENSG0000	101929469	.
AC006014.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R18	chr7:74999	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC006116.20	0	0	0	0	0	0	.	chr19:5673	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC006372.1	0	0	0	0	0.052354	0.04841	.	chr7:15731	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC006435.1	0.158904	0	0	0.516962	0.363119	0.169634	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q4G0H	chr17:2310	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC006449.1	0.845512	0.284181	0	0.304474	0	0	NS5ATP13TP1; Uncharacterized protein [Source:UniProtKB/TrEM	chr17:3686	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC006486.1	0.206677	0.125391	0.142156	0.090759	0.141588	0.0435	.	chr19:4273	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC006486.9	9.15E-06	9.94E-06	2.21E-05	1.31E-05	0.129095	0.000181	.	chr19:4273	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC006538.4	0.384176	1.7E-30	0.721101	0.535831	0.000239	1.58E-23	.	chr19:2714	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC007040.11	0.650778	0.746953	0.720655	0.701293	0.592447	0.504297	.	chr2:71163	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC007192.4	0.00011	0.33	0.000363	0.16654	1.19488	0.000138	Phosphatidylinositol 3-kinase regulatory subunit beta [Source:Ur	chr19:1826	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC007204.1	0	0	0	0	0	0	.	chr19:2004	.	.	.	.	.	.	unprocesse	ENSG0000	.	.
AC007216.2	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QYP	chr16:1206	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC007377.1	0	0	0	0	0	0	.	chr2:40324	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC007382.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QZ8	chr2:37068	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC007421.1	0	0	0	0	0	0	.	chr17:7486	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC007461.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q8IVH9	chr17:7003	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC007773.3	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QXJ	chr19:3289	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC007919.2	0	0	0	0	0	0	HCG1787166; PRO1163; Uncharacterized protein [Source:UniPro	chr3:17234	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC007952.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H7C2L0	chr17:1903	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC007956.1	1.99E-08	4.06E-08	0.847244	5.01E-08	0.409626	5.63E-08	Full-length cDNA 5-PRIME end of clone CS0CAP004YO05 of Thym	chr14:7512	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC007965.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QY5	chrY:28111	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC008132.13	0	0	0	0	0	0	.	chr22:1883	.	.	NR_13592	.	.	.	transcribed	ENSG0000	102725072	.
AC008267.1	0	0	0	0	0	0	HCG1983814; Uncharacterized protein [Source:UniProtKB/TrEM	chr7:65939	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC008372.1	0	0	0	0	0	0	.	chr14:7817	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC008387.1	0	0	0	0	0	0	.	chr5:72894	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC008498.1	0	0	0	0	0	0	.	chr5:60240	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC008686.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H7BYR1	chr19:1389	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC008914.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R27	chr5:55224	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC008948.1	0	0	0	0	0	0	.	chr5:10156	.	.	.	.	.	.	protein_co	ENSG0000	.	.

AC008964.1	0	0	0	0	0	0	.	chr5:3910	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC009014.3	0	0	0	0	0	0	.	chr5:1355	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC009041.2	0	0	0	0	0	0	.	chr16:103	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC009060.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R2Z	chr16:702	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC009065.1	0.232635	0.228864	0.597385	0.996054	0	0.252526	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H0Y5Z1	chr16:230	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC009133.22	1.25E-06	0	0.887124	0	0.297799	0	.	chr16:296	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC009802.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QZX	chr18:615	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC009977.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R1T	chrY:2173	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC010327.2	0.053673	0.078607	0.046142	0.056746	0	0.060493	Uncharacterized protein; cDNA FLJ45856 fis, clone OCBBF202563	chr19:557	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC010368.2	0	0	0	0	0	0	.	chr5:3504	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC010441.1	23.3765	21.7336	39.5835	24.7682	21.4679	25.3069	.	chr5:1501	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC010646.3	2.51E-20	5.47E-16	1.47E-06	0.127756	1.79E-16	2.59E-07	.	chr19:173	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC010731.4	0	0	0	0	0	0	.	chr2:2075	NM_0011	.	.	.	NP_0010	.	protein_co	ENSG0000	200726	.
AC010760.1	0	0	0	0	0	0	.	chr15:224	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC010877.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R23	chrY:1536	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC011298.1	0	0	0	0	0	0	HCG2013738; Uncharacterized protein [Source:UniProtKB/TrEM	chr2:2416	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC011308.1	0	0	0	0	0	0	.	chr2:1572	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC011475.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H0Y7T2	chr19:107	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC011513.3	0	0	0	0	0	0	.	chr19:422	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC011755.1	0	0	0	0	0	0	HCG2006742; Protein LOC100996685 [Source:UniProtKB/TrEMB	chr2:1334	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC011897.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3QQN	chr2:1477	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC012067.1	0	0	0	0	0	0	.	chrY:4868	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC012215.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q7Z2V	chr8:3509	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC012360.1	0	0	0	0	0	0	.	chr2:1058	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC012414.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QZ1	chr15:210	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC012485.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QY7	chr2:2391	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC013269.5	0	0	0	0	0	0	.	chr2:1312	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC013461.1	11.7493	12.076	12.0082	12.7105	13.6358	14.615	Mitogen-activated protein kinase kinase kinase MLT [Source:Uni	chr2:1739	NM_0166	XM_0052	.	.	NP_0577	XP_0052	protein_co	ENSG0000	51776	.
AC013468.1	0	0	0	0	0	0	.	chr2:1906	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC013469.1	0	0	0	0	0	0	.	chr2:2410	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC015660.1	0	0	0	0	0	0	HCG1993240; Serologically defined breast cancer antigen NY-BR-	chr15:100	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC015987.2	0.263808	0.058001	0.138151	0.061286	0	0.099137	.	chr7:1356	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC015989.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H7BYV	chr18:603	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC015989.2	0	0	0	0	0	0	.	chr18:603	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC016251.1	0	0	0	0	0	0	.	chr15:968	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC016559.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q9BUN	chr5:7852	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC016586.1	0	0.102303	0	0	0.078607	0.03706	.	chr19:404	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC016745.1	0	0	0	0	0	0	HDCMB45P; Uncharacterized protein [Source:UniProtKB/TrEMB	chr2:1141	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC016752.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QY5	chrY:2584	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC017028.1	0	0	0	0	0	0.75337	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7ERG0	chr2:2399	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC017081.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R1D	chr2:2072	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC018445.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q9NY0	chr18:771	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC018470.1	0	0	0	0	0	0.09888	Uncharacterized protein FLJ46347 [Source:UniProtKB/Swiss-Prot	chr2:1751	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC018512.1	0	0	0	0	0	0	.	chr15:440	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC018630.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R3A	chr12:109	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC018755.1	0	0.05146	0.043337	0	0	0	HCG2008157; Uncharacterized protein; cDNA FLJ30403 fis, clone	chr19:520	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC018755.18	0	0	0	0	0	0	.	chr19:521	.	.	.	.	.	XP_01688	protein_co	ENSG0000	8778	.
AC018867.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H7BYP	chr2:1873	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC018867.2	0	0	0	0	0	0	.	chr2:1873	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC019206.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QYB	chr2:7012	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC019294.1	0	0	0	0	0	0	.	chr15:760	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC020629.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QZ0	chr12:425	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC020922.1	1.28721	0.437093	0.867527	0.370189	0.711171	0.160105	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F5GYW	chr19:558	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC020952.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QZE	chr19:316	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC022210.1	0	0	0	0	0	0	.	chr2:8512	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC022400.2	0.631796	0	0	0.335257	0	0.355858	Uncharacterized protein; cDNA FLJ44715 fis, clone BRACE302143	chr10:755	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC022498.1	0	0.040931	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EQ38	chr3:1878	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC022532.1	0.124718	0.25673	0.218049	0.136721	0.282295	0.743032	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F8WBX	chr10:721	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC022819.2	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QXY	chr15:997	.	.	.	.	.	.	protein_co	ENSG0000	.	.

AC023632.1	0	0	0	0	0	0	HCG2009141; PRO2397; Uncharacterized protein [Source:UniPro	chr8:95499	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC024257.1	0	0	0	0	0	0	CDNA FLJ26186 fis, clone ADG04757; Uncharacterized protein [S	chr12:4875	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC024580.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H7BYB4	chr19:5665	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC024592.12	1.56748	1.5391	2.62952	2.64569	2.42915	1.32441	.	chr19:5865	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC025262.1	0	0	0	0	0	0	Mesenchymal stem cell protein DSC96; Uncharacterized protein	chr12:6490	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC025278.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F8WD2	chr19:7011	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC025287.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H0YFN1	chr16:7572	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC025335.1	0.582001	0.371223	0.530997	0.362091	0.538545	0.753783	.	chr17:7816	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC026310.1	0	0	0	0	0	0	Protein 101060047 [Source:UniProtKB/TrEMBL;Acc:M0QY78]	chr12:2496	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC026369.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R2V	chr12:1470	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC026407.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R23	chr5:15715	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC026461.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QZH	chr16:5666	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC026740.1	0.213974	0.621664	0.185799	0	0.504957	0.358926	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R2Q	chr5:65997	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC027228.1	0.051099	0	0	0	0	0.101368	HCG2005369; Uncharacterized protein [Source:UniProtKB/TrEMI	chr15:7883	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC027309.1	0	0	0	0	0	0	.	chr5:17203	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC037199.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R2A	chr19:5137	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC037459.4	1.07E-41	9.85E-76	5.2E-107	3.6E-99	2.25E-80	1.94E-41	.	chr8:22436	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC040160.1	0	0	0.354777	0	0.159472	0		chr16:67241042-67260930								ENSG00000237102		
AC040977.1	0.426056	0.211534	0.182665	0	0.248578	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QX6	chr17:6915	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC051642.1	0	0	0	0	0	0	.	chr8:23386	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC055736.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QZD	chr12:5292	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC061975.10	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QZS	chr17:2663	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC061992.1	0.25216	0.249972	0.219361	0.270231	0	0.274964	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R27	chr17:7637	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC068039.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QYR	chr2:17254	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC068533.7	2.34E-33	6.99E-13	2.43E-07	1.1E-10	6.43E-11	3.33E-24	.	chr7:65540	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC068620.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R18	chr4:57259	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC068987.1	0.45779	1.23496	0.587019	0.510981	0.458353	0.756556	HCG1997999; cDNA FLJ33996 fis, clone DFNES2008881 [Source:U	chr12:5198	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC069368.3	7.9E-152	7.88E-14	9.63E-36	1.81E-81	1E-258	5.21E-62	.	chr15:6513	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC069547.1	0	0	0	0	0	0	HCG1745369; PRO3073; Uncharacterized protein [Source:UniPro	chr10:5206	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC069547.2	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R0F	chr10:5206	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC073063.1	0	0	0	0	0	0	.	chr7:98992	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC073188.1	0	0	0	0	0	0	.	chr7:62858	.	.	.	.	.	.	processed_	ENSG0000	.	.
AC073333.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R0C	chr7:16828	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC073528.1	0	0	0	0	0	0	.	chr12:7794	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC073569.1	0	0	0	0	0	0	.	chr12:8016	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC073610.5	0.000834	5.23E-07	1.39E-07	8.66E-14	0.794734	0.589021	.	chr12:4929	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC073657.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QY9	chr15:4206	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC078925.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R37	chr12:1314	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC079210.1	0.26639	0.210342	0.463047	0.249848	0.396918	0.5307	Uncharacterized protein; cDNA FLJ45097 fis, clone BRAWH30310	chr17:6650	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC079354.2	8.1374	16.6178	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QYY	chr2:20310	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC083862.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H0Y6H1	chr7:13483	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC087239.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R1Q	chr12:2534	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC087477.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R2S	chr15:9690	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC087645.1	0.505826	0.60158	0.581183	1.10739	0.676118	0.714431	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R3F	chr17:7621	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC090186.1	0.205886	0	0	0.243032	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q9HAZ	chr8:52730	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC090427.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R2V	chr19:1480	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC090574.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QYB	chr8:70850	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC090673.2	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R2U	chr12:6621	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC091150.1	0	0	0	0	0	0	HCG1818186; Uncharacterized protein [Source:UniProtKB/TrEMI	chr18:4555	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC091948.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QYF	chr5:14769	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC092291.2	0	0	0	0	0	0	.	chr16:1452	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC092384.1	0	0	0	0	0	0	.	chr16:8888	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC092782.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R1Z	chr1:24328	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC092811.1	0	0.06025	0.098118	0	0	0	.	chr1:22558	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC092835.2	0	0.078935	0.033148	0	0	0	.	chr2:95873	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC092850.1	0	0	0	0	0	0	Protein LOC100996701 [Source:UniProtKB/TrEMBL;Acc:M0QZH5	chr12:1317	.	XM_00384	.	.	.	XP_005276	protein_co	ENSG0000	100996701	.
AC092964.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H7BZB2	chr3:17175	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC092964.2	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QY7	chr3:17175	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC093157.1	0.088391	0.047317	0.038244	0.200347	0.049081	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QYT	chr1:10145	.	.	.	.	.	.	protein_co	ENSG0000	.	.

AC093323.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QXP	chr4:66937	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC096582.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QY8	chr7:45902	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC096644.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H7C289	chr1:22060	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC099344.1	0	0	0	0	0	0	.	chr2:11584	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC103801.2	0	0	0.217776	0.270628	0	0.567683	.	chr11:2264	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC103809.2	0.498823	0	0	0	0	0	Uncharacterized protein; cDNA FLJ33592 fis, clone BRAMY201269	chr17:7232	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC104057.1	0	0	0	0	0	0	Protein LOC100996407 [Source:UniProtKB/TrEMBL;Acc:M0QY22	chr7:65112	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC104304.4	0	0	0	0	0	0	.	chr3:46653	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100132146	.
AC104534.3	2.99E-05	6.85E-05	0.000106	0.0005	0.00024	3.91E-05	.	chr19:3930	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC104841.2	0.1485	0.148561	0.042935	0.053301	0.057343	0	HCG1777198, isoform CRA_a; PRO2900; Uncharacterized protein	chr2:24216	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC106017.1	0.202831	0.201764	0.697967	0	0.467757	0.438118	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F6X152	chr17:1912	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC107021.1	0	0	0	0	0	0	HCG1786590; PRO2533; Uncharacterized protein [Source:UniPro	chr3:14578	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC108868.1	0	0	0	0	0	0	.	chr2:10709	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC109583.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R2G	chr3:46919	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC109829.1	0	0	0	0	0	0	.	chr2:27760	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC110084.1	0	0	0	0	0	0	.	chr2:27994	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC110615.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R2X	chr4:76871	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC110771.1	0.466239	0.444436	0.132413	0.329254	0.185598	0.176534	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R18	chr4:18711	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC111200.1	0	0	0	0	0	0	.	chr2:87042	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC112205.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R1V	chr5:16286	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC112693.2	0.041169	0	0	0	0	0	.	chr15:9374	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC114494.1	0	0	0	0.744199	0	0	HCG1787699; Uncharacterized protein [Source:UniProtKB/TrEM	chr1:31882	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC114546.1	0.063236	0.350837	0.10947	0.074072	0.136204	0.058723	HCG37415; PRO1914; Uncharacterized protein [Source:UniProtK	chr15:3527	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC114783.1	0	0	0	0	0	0	Homo sapiens uncharacterized LOC101929926 (LOC101929926),	chr2:12765	NM_00132	XM_01151	.	.	NP_00130	XP_01151	protein_co	ENSG0000	101929926	.
AC116407.2	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:A0PK07	chr17:3046	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC117395.1	0.208899	0.365847	0.481553	0.789914	0.702802	0.345685	LOC646903 protein; Uncharacterized protein [Source:UniProtKB/	chr3:14968	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC117834.1	0	0	0.046341	0.062813	0	0	.	chr8:93895	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC119673.1	0.388198	0.157887	0.421271	0.500907	0.480312	0.375316	.	chr1:20568	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC120194.1	0	0	0	0.134277	0.244721	0	.	chr8:71485	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC121757.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R17	chr12:5270	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC126614.1	0	0	0	0	0	0	HCG1818482; Uncharacterized protein [Source:UniProtKB/TrEM	chr12:5764	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC127496.1	0.83291	0.476397	0.589858	0.668872	0.403069	0.456358	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q9HBN	chr17:7897	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC131097.4	0	0	0	0	0	0	.	chr2:24283	.	.	.	.	.	.	protein_co	ENSG0000	285095	.
AC131935.1	0	0	0	0	0	0	.	chr11:1174	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC132186.1	0.02258	0.138561	0.058697	0	0.077359	0.023667	CDNA FLJ27243 fis, clone SYN08134; Uncharacterized protein [S	chr16:6646	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC132872.2	0.039805	0.123896	0.310596	0.088234	0.134876	0.325937	CDNA FLJ27256 fis, clone SYN09689; Uncharacterized protein [S	chr17:8018	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC135048.1	0	0	0.102694	0	0	0.264747	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q6PJ53	chr16:3099	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC135178.1	1.38469	0.950499	0.814575	1.24009	1.36236	0.770518	HCG1985372; Uncharacterized protein; cDNA FLJ37541 fis, clone	chr17:8261	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC135983.2	0	0	0	0	0	0	Protein LOC100996413 [Source:UniProtKB/TrEMBL;Acc:M0R198	chr15:3277	.	XM_00384	.	.	.	XP_00527	protein_co	ENSG0000	100996413	.
AC136297.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R3D	chr11:1295	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC137056.1	0	0	0	0	0	0	Uncharacterized protein; cDNA FLJ34659 fis, clone KIDNE201886	chr16:2049	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC138393.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QYC	chr1:22421	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC138517.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R32	chr5:13885	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC138517.6	0	0	0	0	0	0	.	chr5:13885	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC138647.1	0	0	0	0	0	0	.	chr8:14252	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC138655.1	0	0	0	0	0	0	CDNA: FLJ23120 fis, clone LNG07989; HCG1987724; Uncharacteri	chr2:47799	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC138969.4	0	0	0	0	0	0	.	chr16:1642	.	.	.	.	.	XP_00525	protein_co	ENSG0000	9284, 6427	.
AC139768.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R1B	chr12:5161	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC140061.12	0	0	0	0	0	0.34057	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QZ2	chr12:5069	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AC187652.1	0	0	0	0	0	0	Protein LOC100996433 [Source:UniProtKB/TrEMBL;Acc:M0R295	chr7:30291	.	XM_00524	.	.	.	XP_00527	protein_co	ENSG0000	100996433	.
ACAA1	25.4757	26.5952	26.5044	22.5528	19.2304	20.7554	acetyl-CoA acyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:82	chr3:38080	NM_00113	XM_00671	.	.	NP_00112	XP_00671	protein_co	ENSG0000	30	82
ACAA2	9.35935	7.95806	10.531	10.2845	7.47748	11.9794	acetyl-CoA acyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:83	chr18:4730	NM_00611	.	.	.	NP_00610	.	protein_co	ENSG0000	10449	83
ACACA	26.9351	27.7148	33.8845	31.2634	29.0744	35.1845	acetyl-CoA carboxylase alpha [Source:HGNC Symbol;Acc:HGNC:8	chr17:3544	NM_19883	XM_01702	.	.	NP_94213	XP_00525	protein_co	ENSG0000	31	84
ACACB	1.16272	1.2921	1.21321	0.996203	1.24488	1.31937	acetyl-CoA carboxylase beta [Source:HGNC Symbol;Acc:HGNC:85	chr12:1095	NM_00109	XM_01153	.	.	NP_00108	XP_00525	protein_co	ENSG0000	32	85
ACAD10	6.72689	6.3848	8.08727	5.22456	4.81643	6.30049	acyl-CoA dehydrogenase family member 10 [Source:HGNC Symb	chr12:1121	NM_00113	.	.	.	NP_00113	.	protein_co	ENSG0000	80724	21597
ACAD11	5.44747	5.11249	8.01277	5.99732	6.64995	8.12599	acyl-CoA dehydrogenase family member 11 [Source:HGNC Symb	chr3:13227	NM_03216	.	.	.	NP_11554	.	protein_co	ENSG0000	84129	30211
ACAD8	12.5434	12.4053	13.0522	11.0747	9.1269	10.279	acyl-CoA dehydrogenase family member 8 [Source:HGNC Symbol	chr11:1341	NM_01438	XM_01154	.	.	NP_05519	XP_01154	protein_co	ENSG0000	27034	87
ACAD9	21.8996	21.3637	19.064	21.8633	19.9176	15.0402	acyl-CoA dehydrogenase family member 9 [Source:HGNC Symbol	chr3:12859	NM_01404	XM_01151	.	.	NP_05476	.	protein_co	ENSG0000	28976	21497
ACADL	0	0	0	0	0	0	acyl-CoA dehydrogenase, long chain [Source:HGNC Symbol;Acc:H	chr2:21105	NM_00160	XM_00524	.	.	NP_00159	XP_00524	protein_co	ENSG0000	33	88

ACADM	36.0042	37.3576	43.3902	34.29	36.8752	39.4382	acyl-CoA dehydrogenase, C-4 to C-12 straight chain [Source:HGN	chr1:76190	NM_00001	.	.	.	NP_000007	.	protein_co	ENSG0000	34	89
ACADS	13.7166	15.1542	15.4918	19.8623	17.8068	15.5955	acyl-CoA dehydrogenase, C-2 to C-3 short chain [Source:HGNC Sy	chr12:1211	NM_00001	.	.	.	NP_000008	.	protein_co	ENSG0000	35	90
ACADSB	8.72132	10.2835	12.2341	10.6282	11.0592	11.0374	acyl-CoA dehydrogenase, short/branched chain [Source:HGNC Sy	chr10:1247	NM_00160	XM_01701	.	.	NP_00160	XP_016871	protein_co	ENSG0000	36	91
ACADVL	109.29	113.224	124.083	121.769	107.249	108.301	acyl-CoA dehydrogenase, very long chain [Source:HGNC Symbol;A	chr17:7093	NM_00001	XM_01152	.	.	NP_000009	XP_006721	protein_co	ENSG0000	37	92
ACAN	0	0	0	0	0	0	aggrecan [Source:HGNC Symbol;Acc:HGNC:319]	chr15:8934	NM_00113	XM_01702	.	.	NP_00112	XP_006720	protein_co	ENSG0000	176	319
ACAP1	2.37857	3.39189	2.92946	5.435	1.03384	1.63976	ArfGAP with coiled-coil, ankyrin repeat and PH domains 1 [Source	chr17:7239	NM_01471	XM_00525	.	.	NP_05553	.	protein_co	ENSG0000	9744	16467
ACAP2	9.46044	9.48657	8.54472	9.92817	12.1288	12.9367	ArfGAP with coiled-coil, ankyrin repeat and PH domains 2 [Source	chr3:19499	NM_01228	XM_01151	.	.	NP_03641	XP_006713	protein_co	ENSG0000	23527	16469
ACAP3	9.65851	9.40985	11.589	8.53331	7.39283	7.39872	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3 [Source	chr1:12277	NM_03064	XM_01154	.	.	NP_08515	XP_005244	protein_co	ENSG0000	116983	16754
ACAT1	56.839	51.337	62.3701	62.3191	67.2996	72.8736	acetyl-CoA acetyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:	chr11:1079	NM_00001	.	.	.	NP_000010	.	protein_co	ENSG0000	38	93
ACAT2	15.2031	13.8583	16.6637	20.2163	17.7881	19.6151	acetyl-CoA acetyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:	chr6:16009	NM_00589	.	.	.	NP_00588	.	protein_co	ENSG0000	39	94
ACBD3	14.9151	14.8647	13.4546	14.1964	13.9969	15.3323	acyl-CoA binding domain containing 3 [Source:HGNC Symbol;Acc	chr1:22633	NM_02273	.	.	.	NP_07357	.	protein_co	ENSG0000	64746	15453
ACBD4	3.14747	3.71645	6.26928	2.1319	1.41118	1.82014	acyl-CoA binding domain containing 4 [Source:HGNC Symbol;Acc	chr17:4320	NM_00113	XM_01702	.	.	NP_00112	XP_005257	protein_co	ENSG0000	79777	23337
ACBD5	10.0924	10.9254	9.83679	9.04448	10.5701	9.50357	acyl-CoA binding domain containing 5 [Source:HGNC Symbol;Acc	chr10:2748	NM_00104	XM_01701	.	.	NP_00103	XP_006717	protein_co	ENSG0000	91452	23338
ACBD6	20.4764	21.4029	24.3855	24.6104	22.7143	28.4586	acyl-CoA binding domain containing 6 [Source:HGNC Symbol;Acc	chr1:18025	NM_03236	.	NR_03764	.	NP_11573	.	protein_co	ENSG0000	100527964	23339
ACBD7	1.62196	2.20262	2.78336	2.21713	2.34207	4.03797	acyl-CoA binding domain containing 7 [Source:HGNC Symbol;Acc	chr10:1511	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	414149	17715
ACCS	1.46272	1.13869	2.40665	0.792276	0.955745	1.32107	1-aminocyclopropane-1-carboxylate synthase homolog (inactive)	chr11:4408	NM_00112	XM_01152	.	.	NP_00112	XP_005253	protein_co	ENSG0000	84680	23989
ACCSL	0	0.081384	0	0.130095	0	0	1-aminocyclopropane-1-carboxylate synthase homolog (inactive)	chr11:4406	NM_00103	XM_01152	.	.	NP_00102	XP_016873	protein_co	ENSG0000	390110	34391
ACD	27.79	28.0845	23.8948	28.0562	22.5113	17.8135	adrenocortical dysplasia homolog [Source:HGNC Symbol;Acc:HGN	chr16:6767	NM_00108	XM_00525	.	.	NP_00107	XP_005256	protein_co	ENSG0000	65057	25070
ACE	0.862896	0.821562	1.29666	0.713127	0.553695	0.624521	angiotensin I converting enzyme [Source:HGNC Symbol;Acc:HGN	chr17:6155	NM_00078	XM_00672	.	.	NP_00078	XP_006721	protein_co	ENSG0000	1636	2707
ACE2	0	0	0	0.021715	0	0.056353	angiotensin I converting enzyme 2 [Source:HGNC Symbol;Acc:HG	chrX:15579	NM_02180	XM_01154	.	.	NP_06857	XP_011543	protein_co	ENSG0000	59272	13557
ACER1	0	0.063605	0	0	0	0	alkaline ceramidase 1 [Source:HGNC Symbol;Acc:HGNC:18356]	chr19:6306	NM_13349	.	.	.	NP_59799	.	protein_co	ENSG0000	125981	18356
ACER2	2.04174	2.31154	3.34891	2.20322	2.98594	3.11194	alkaline ceramidase 2 [Source:HGNC Symbol;Acc:HGNC:23675]	chr9:19409	NM_00101	XM_00525	.	.	NP_00101	.	protein_co	ENSG0000	340485	23675
ACER3	6.00225	5.10479	7.06624	5.6225	7.95181	7.44497	alkaline ceramidase 3 [Source:HGNC Symbol;Acc:HGNC:16066]	chr11:7657	NM_00130	XM_01154	.	.	NP_00128	XP_011543	protein_co	ENSG0000	55331	16066
ACHE	2.15884	1.43905	2.08486	0.691425	0.566539	0.723948	acetylcholinesterase (Cartwright blood group) [Source:HGNC Sym	chr7:10048	NM_00066	XM_01151	.	.	NP_00065	XP_006716	protein_co	ENSG0000	43	108
ACIN1	56.534	57.5363	48.0239	66.8259	61.9314	46.6427	apoptotic chromatin condensation inducer 1 [Source:HGNC Symb	chr14:2352	NM_00116	XM_01153	.	.	NP_00115	XP_005267	protein_co	ENSG0000	22985	17066
ACKR1	0	0	0	0	0	0	atypical chemokine receptor 1 (Duffy blood group) [Source:HGN	chr1:15914	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	2532	4035
ACKR2	0.034508	0.142446	0.266745	0	0	0.249935	atypical chemokine receptor 2 [Source:HGNC Symbol;Acc:HGNC:	chr3:42850	NM_00129	.	.	.	NP_00128	.	protein_co	ENSG0000	1238	1565
ACKR3	0.085198	0	0.036333	0	0	0	atypical chemokine receptor 3 [Source:HGNC Symbol;Acc:HGNC:	chr2:23747	NM_02031	XM_01151	.	.	NP_06470	XP_005246	protein_co	ENSG0000	57007	23692
ACKR4	0.044599	0	0.038674	0	0	0	atypical chemokine receptor 4 [Source:HGNC Symbol;Acc:HGNC:	chr3:13227	NM_01655	.	.	.	NP_05764	.	protein_co	ENSG0000	51554	1611
ACLY	70.3324	76.4087	84.0887	94.166	91.0434	80.7191	ATP citrate lyase [Source:HGNC Symbol;Acc:HGNC:115]	chr17:4002	NM_00109	XM_01702	.	.	NP_00108	XP_005257	protein_co	ENSG0000	47	115
ACMSD	0	0	0	0	0.062303	0	aminocarboxymuconate semialdehyde decarboxylase [Source:HG	chr2:13559	NM_00130	XM_01151	.	.	NP_00129	XP_005263	protein_co	ENSG0000	130013	19288
ACO1	17.2686	17.7583	23.3542	19.7641	20.4809	22.1712	aconitase 1 [Source:HGNC Symbol;Acc:HGNC:117]	chr9:32384	NM_00127	XM_01151	.	.	NP_00126	XP_005251	protein_co	ENSG0000	48	117
ACO2	42.049	43.9985	41.1415	47.8504	42.3181	44.9023	aconitase 2 [Source:HGNC Symbol;Acc:HGNC:118]	chr22:4186	NM_00109	.	.	.	NP_00108	XP_016884	protein_co	ENSG0000	50	118
ACOD1	0	0	0	0	0	0	aconitate decarboxylase 1 [Source:HGNC Symbol;Acc:HGNC:3390	chr13:7752	NM_00125	XM_01153	.	.	NP_00124	.	protein_co	ENSG0000	730249	33904
ACOT1	0	0.055723	0	0	0.064623	0	acyl-CoA thioesterase 1 [Source:HGNC Symbol;Acc:HGNC:33128]	chr14:7394	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	641371	33128
ACOT11	7.71151	8.17806	7.45564	10.8843	9.46773	9.42351	acyl-CoA thioesterase 11 [Source:HGNC Symbol;Acc:HGNC:18156	chr1:55013	NM_01554	.	.	.	NP_05636	.	protein_co	ENSG0000	26027	18156
ACOT12	0	0	0.032079	0	0	0	acyl-CoA thioesterase 12 [Source:HGNC Symbol;Acc:HGNC:24436	chr5:80625	NM_13076	XM_01154	.	.	NP_57012	XP_006714	protein_co	ENSG0000	134526	24436
ACOT13	10.9757	9.28159	8.15937	10.6753	9.00852	9.80686	acyl-CoA thioesterase 13 [Source:HGNC Symbol;Acc:HGNC:20999	chr6:24667	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	55856	20999
ACOT2	0	0	0	0	0	0	acyl-CoA thioesterase 2 [Source:HGNC Symbol;Acc:HGNC:18431]	chr14:7403	NM_00682	.	.	.	NP_00681	.	protein_co	ENSG0000	10965	18431
ACOT4	0	0	0	0	0	0	acyl-CoA thioesterase 4 [Source:HGNC Symbol;Acc:HGNC:19748]	chr14:7405	NM_15233	.	.	.	NP_68954	.	protein_co	ENSG0000	122970	19748
ACOT6	0	0	0	0	0	0	acyl-CoA thioesterase 6 [Source:HGNC Symbol;Acc:HGNC:33159]	chr14:7408	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	641372	33159
ACOT7	87.8841	87.8246	86.5926	123.569	98.4521	92.9443	acyl-CoA thioesterase 7 [Source:HGNC Symbol;Acc:HGNC:24157]	chr1:63243	NM_00727	.	.	.	NP_00920	.	protein_co	ENSG0000	11332	24157
ACOT8	7.23729	8.36404	9.34407	11.1256	8.77457	6.79263	acyl-CoA thioesterase 8 [Source:HGNC Symbol;Acc:HGNC:15919]	chr20:4446	NM_00546	XM_01152	.	.	NP_00546	XP_005260	protein_co	ENSG0000	10005	15919
ACOT9	31.9291	32.4506	32.8776	29.1643	31.5125	35.3452	acyl-CoA thioesterase 9 [Source:HGNC Symbol;Acc:HGNC:17152]	chrX:23720	NM_00103	XM_00527	.	.	NP_00102	XP_005274	protein_co	ENSG0000	23597	17152
ACOX1	15.1434	16.9858	16.6044	16.8612	18.5057	19.7362	acyl-CoA oxidase 1 [Source:HGNC Symbol;Acc:HGNC:119]	chr17:7393	NM_00118	XM_01152	.	.	NP_00117	XP_011523	protein_co	ENSG0000	51	119
ACOX2	2.37304	1.99156	2.02009	3.29764	2.31466	2.65058	acyl-CoA oxidase 2 [Source:HGNC Symbol;Acc:HGNC:120]	chr3:58490	NM_00350	XM_01153	.	.	NP_00349	XP_005265	protein_co	ENSG0000	8309	120
ACOX3	6.36299	5.61335	7.28319	6.69807	4.98036	6.52148	acyl-CoA oxidase 3, pristanoyl [Source:HGNC Symbol;Acc:HGNC:1	chr4:83680	NM_00110	XM_01151	.	.	NP_00109	XP_005248	protein_co	ENSG0000	8310	121
ACOXL	1.62612	1.44492	1.58908	2.14593	1.31751	1.29642	acyl-CoA oxidase-like [Source:HGNC Symbol;Acc:HGNC:25621]	chr2:11149	NM_00114	XM_01151	.	.	NP_00113	XP_011509	protein_co	ENSG0000	55289	25621
ACP1	96.2649	91.1039	85.6272	92.3882	89.0919	81.9839	acid phosphatase 1, soluble [Source:HGNC Symbol;Acc:HGNC:122	chr2:26486	NM_00104	XM_01151	.	.	NP_00103	XP_011508	protein_co	ENSG0000	52	122
ACP2	13.8836	16.5345	11.443	12.9137	11.8546	11.7057	acid phosphatase 2, lysosomal [Source:HGNC Symbol;Acc:HGNC:	chr11:4726	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	53	123
ACP5	0	0	0	0	0	0	acid phosphatase 5, tartrate resistant [Source:HGNC Symbol;Acc:	chr19:1168	NM_00111	XM_01152	.	.	NP_00110	XP_005259	protein_co	ENSG0000	54	124
ACP6	6.37755	4.76775	7.65552	3.5454	2.91669	2.92416	acid phosphatase 6, lysophosphatidic [Source:HGNC Symbol;Acc:	chr1:14711	NM_01636	.	.	.	NP_05744	.	protein_co	ENSG0000	51205	29609
ACP7	1.4076	1.48725	1.60515	1.3295	1.49747	1.37059	acid phosphatase 7, tartrate resistant (putative) [Source:HGNC Sy	chr19:3957	NM_00100	XM_01152	.	.	NP_00100	XP_011525	protein_co	ENSG0000	390928	33781
ACPP	0.191857	0.09136	0.479738	0.25677	0.242683	0.26594	acid phosphatase, prostate [Source:HGNC Symbol;Acc:HGNC:125	chr3:13203	NM_00109	XM_01151	.	.	NP_00109	XP_011511	protein_co	ENSG0000	55	125
ACPT	0	0	0	0	0	0	acid phosphatase, testicular [Source:HGNC Symbol;Acc:HGNC:14	chr19:5128	NM_03306	.	.	.	NP_14905	.	protein_co	ENSG0000	93650	14376
ACR	0.12312	0.252538	0.536885	0.404431	0.140481	0.127778	acrosin [Source:HGNC Symbol;Acc:HGNC:126]	chr22:5117	NM_00109	.	.	.	NP_00108	.	protein_co	ENSG0000	49	126
ACRBP	0.411756	0.292912	0.173143	0.26604	0.143198	0.290463	acrosin binding protein [Source:HGNC Symbol;Acc:HGNC:17195]	chr12:6747	NM_03248	.	.	.	NP_11587	.	protein_co	ENSG0000	84519	17195
ACRC	0.499237	0.408319	0.328642	0.301244	0.281839	0.536099	acidic repeat containing [Source:HGNC Symbol;Acc:HGNC:15805]	chrX:70798	NM_05295	XM_01702	.	.	NP_44318	XP_006724	protein_co	ENSG0000	93953	15805
ACRV1	0	0	0.031336	0.105629	0	0	acrosomal vesicle protein 1 [Source:HGNC Symbol;Acc:HGNC:127	chr11:1254	NM_00161	.	.	.	NP_00160	.	protein_co	ENSG0000	56	127

ACSBG1	0.192379	0.123178	0.320724	0.264172	0.479089	0.567965	acyl-CoA synthetase bubblegum family member 1 [Source:HGNC	chr15:7844	NM_00119	XM_01152	.	.	NP_00118	XP_011519	protein_co	ENSG0000	23205	29567
ACSBG2	0.140869	0.171683	0.163976	0.261794	0.263805	0.383231	acyl-CoA synthetase bubblegum family member 2 [Source:HGNC	chr19:6135	NM_00128	XM_01702	.	.	NP_00127	XP_005259	protein_co	ENSG0000	81616	24174
ACSF2	8.76364	7.38046	12.604	8.40531	6.27599	9.04907	acyl-CoA synthetase family member 2 [Source:HGNC Symbol;Acc:	chr17:4850	NM_00128	XM_01152	NR_11023	.	NP_00127	XP_011523	protein_co	ENSG0000	80221	26101
ACSF3	16.5097	19.2703	18.9134	19.6068	16.6617	15.2027	acyl-CoA synthetase family member 3 [Source:HGNC Symbol;Acc:	chr16:8916	NM_00112	XM_00525	NR_04566	.	NP_00112	XP_005256	protein_co	ENSG0000	197322	27288
ACSL1	5.41568	4.51141	6.74386	8.37115	8.66489	9.81266	acyl-CoA synthetase long-chain family member 1 [Source:HGNC S	chr4:18567	NM_00128	XM_01700	.	.	NP_00127	XP_005262	protein_co	ENSG0000	2180	3569
ACSL3	40.7765	40.7497	39.0326	50.851	63.7326	65.7732	acyl-CoA synthetase long-chain family member 3 [Source:HGNC S	chr2:22372	NM_00445	.	.	.	NP_00444	XP_016859	protein_co	ENSG0000	2181	3570
ACSL4	19.2339	18.9802	23.7429	24.2739	25.6428	25.6429	acyl-CoA synthetase long-chain family member 4 [Source:HGNC S	chrX:10888	NM_00131	XM_01153	.	.	NP_00130	XP_005262	protein_co	ENSG0000	2182	3571
ACSL5	81.9411	85.0447	101.132	121.563	113.246	146.838	acyl-CoA synthetase long-chain family member 5 [Source:HGNC S	chr10:1141	NM_01623	XM_01701	.	.	NP_05731	XP_016871	protein_co	ENSG0000	51703	16526
ACSL6	0.226736	0.43024	0.320387	0.422691	0.201034	0.499533	acyl-CoA synthetase long-chain family member 6 [Source:HGNC S	chr5:13128	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	23305	16496
ACSM1	0.028821	0.059113	0.201073	0.094767	0.037301	0.241429	acyl-CoA synthetase medium-chain family member 1 [Source:HG	chr16:2063	NM_00131	XM_00672	.	.	NP_00130	XP_005255	protein_co	ENSG0000	116285	18049
ACSM2A	0	0	0	0	0	0	acyl-CoA synthetase medium-chain family member 2A [Source:H	chr16:2046	NM_00101	XM_01702	.	.	NP_00101	XP_005255	protein_co	ENSG0000	123876	32017
ACSM2B	0	0	0	0	0	0	acyl-CoA synthetase medium-chain family member 2B [Source:H	chr16:2054	NM_00110	XM_01154	.	.	NP_00109	XP_011544	protein_co	ENSG0000	348158	30931
ACSM3	3.77937	3.38751	4.44145	4.31467	3.76626	5.67343	acyl-CoA synthetase medium-chain family member 3 [Source:HG	chr16:2077	NM_00562	XM_01154	.	.	NP_00561	XP_011544	protein_co	ENSG0000	6296	10522
ACSM4	0	0	0	0	0	0	acyl-CoA synthetase medium-chain family member 4 [Source:HG	chr12:7456	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	341392	32016
ACSM5	0	0	0	0	0	0	acyl-CoA synthetase medium-chain family member 5 [Source:HG	chr16:2042	NM_00132	XM_00672	.	.	NP_00131	XP_006721	protein_co	ENSG0000	54988	26060
ACSM6	0	0	0	0	0	0	acyl-CoA synthetase medium-chain family member 6 [Source:HG	chr10:9695	NM_20732	.	.	.	NP_99720	.	protein_co	ENSG0000	142827	31665
ACSS1	0.020377	0	0	0	0	0.021626	acyl-CoA synthetase short-chain family member 1 [Source:HGNC	chr20:2498	NM_00125	XM_01152	.	.	NP_00123	XP_011527	protein_co	ENSG0000	84532	16091
ACSS2	15.8068	13.5078	19.7588	16.4837	14.8989	19.6879	acyl-CoA synthetase short-chain family member 2 [Source:HGNC	chr20:3346	NM_00107	XM_01152	.	.	NP_00107	XP_005260	protein_co	ENSG0000	55902	15814
ACSS3	0	0	0.025768	0.033425	0	0.029827	acyl-CoA synthetase short-chain family member 3 [Source:HGNC	chr12:8147	NM_02456	XM_00526	.	.	NP_07883	XP_005269	protein_co	ENSG0000	79611	24723
ACTA1	0.099897	0.393063	0.128636	0.053367	0.175412	0.055767	actin, alpha 1, skeletal muscle [Source:HGNC Symbol;Acc:HGNC:1	chr1:22956	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	58	129
ACTA2	3.90788	3.42799	6.64306	3.14913	2.71475	4.40402	actin, alpha 2, smooth muscle, aorta [Source:HGNC Symbol;Acc:H	chr10:9063	NM_00114	XM_01154	.	.	NP_00113	XP_011538	protein_co	ENSG0000	59	130
ACTB	1135.11	1164.85	1064.06	1393.79	1270.74	1212.19	actin beta [Source:HGNC Symbol;Acc:HGNC:132]	chr7:55667	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	60	132
ACTBL2	0.060911	0.031955	0.052857	0.239249	0.068131	0.152723	actin, beta like 2 [Source:HGNC Symbol;Acc:HGNC:17780]	chr5:56775	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	345651	17780
ACTC1	0	0	0	0	0	0	actin, alpha, cardiac muscle 1 [Source:HGNC Symbol;Acc:HGNC:1	chr15:3508	NM_00515	.	.	.	NP_00515	.	protein_co	ENSG0000	70	143
ACTG1	2252.47	2327.63	2433.24	2633.19	2438.14	2612.08	actin gamma 1 [Source:HGNC Symbol;Acc:HGNC:144]	chr17:7947	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	71	144
ACTG2	0.053555	0	0	0	0	0	actin, gamma 2, smooth muscle, enteric [Source:HGNC Symbol;A	chr2:74120	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	72	145
ACTL10	0	0	0	0	0.064346	0	actin like 10 [Source:HGNC Symbol;Acc:HGNC:16127]	chr20:3224	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	170487	16127
ACTL6A	47.3848	44.1461	43.0363	51.8013	52.8261	57.1661	actin like 6A [Source:HGNC Symbol;Acc:HGNC:24124]	chr3:17928	NM_00430	.	.	.	NP_00429	.	protein_co	ENSG0000	86	24124
ACTL6B	0	0	0	0	0	0	actin like 6B [Source:HGNC Symbol;Acc:HGNC:160]	chr7:10024	NM_01618	.	.	.	NP_05727	.	protein_co	ENSG0000	51412	160
ACTL7A	0	0	0	0	0	0	actin like 7A [Source:HGNC Symbol;Acc:HGNC:161]	chr9:11162	NM_00668	.	.	.	NP_00667	.	protein_co	ENSG0000	10881	161
ACTL7B	0.035347	0	0	0	0	0	actin like 7B [Source:HGNC Symbol;Acc:HGNC:162]	chr9:11161	NM_00668	.	.	.	NP_00667	.	protein_co	ENSG0000	10880	162
ACTL8	1.13696	1.50535	0.406609	1.92713	1.63801	0.716936	actin like 8 [Source:HGNC Symbol;Acc:HGNC:24018]	chr1:18081	NM_03081	XM_01154	.	.	NP_11043	XP_011540	protein_co	ENSG0000	81569	24018
ACTL9	0	0	0	0	0	0	actin like 9 [Source:HGNC Symbol;Acc:HGNC:28494]	chr19:8807	NM_17852	.	.	.	NP_84862	.	protein_co	ENSG0000	284382	28494
ACTN1	35.5701	37.6663	41.7541	49.5857	45.5729	44.3389	actinin alpha 1 [Source:HGNC Symbol;Acc:HGNC:163]	chr14:6934	NM_00110	XM_01702	.	.	NP_00109	XP_011535	protein_co	ENSG0000	87	163
ACTN2	0.100213	0.058865	0.049644	0.126772	0.130454	0.074238	actinin alpha 2 [Source:HGNC Symbol;Acc:HGNC:164]	chr1:23684	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	88	164
ACTN3	0	0	0.037284	0	0	0	actinin alpha 3 (gene/pseudogene) [Source:HGNC Symbol;Acc:HG	chr11:6631	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	89	165
ACTN4	99.8226	103.556	110.286	108.976	99.6448	95.7927	actinin alpha 4 [Source:HGNC Symbol;Acc:HGNC:166]	chr19:3913	NM_00492	XM_00672	.	.	NP_00130	XP_005259	protein_co	ENSG0000	81	166
ACTR10	22.4802	19.9807	19.5751	23.6405	24.3532	21.8459	actin-related protein 10 homolog [Source:HGNC Symbol;Acc:HGN	chr14:5866	NM_01847	XM_01153	.	.	NP_06094	XP_011535	protein_co	ENSG0000	55860	17372
ACTR1A	66.055	70.1337	66.7604	75.9906	67.9167	56.7725	ARP1 actin-related protein 1 homolog A, centractin alpha [Source	chr10:1042	NM_00573	.	.	.	NP_00572	.	protein_co	ENSG0000	10121	167
ACTR1B	16.3139	17.2713	17.9813	17.1404	15.5316	18.6063	ARP1 actin-related protein 1 homolog B, centractin beta [Source:	chr2:98272	NM_00573	XM_00526	.	.	NP_00572	XP_005263	protein_co	ENSG0000	10120	168
ACTR2	80.0752	81.195	89.5208	88.7762	94.9017	112.282	ARP2 actin related protein 2 homolog [Source:HGNC Symbol;Acc:	chr2:65454	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	10097	169
ACTR3	95.1567	97.659	98.2405	97.7689	92.1327	114.909	ARP3 actin related protein 3 homolog [Source:HGNC Symbol;Acc:	chr2:11464	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	10096	170
ACTR3B	11.6753	10.5829	12.0339	10.6834	11.6199	10.0853	ARP3 actin-related protein 3 homolog B [Source:HGNC Symbol;A	chr7:15245	NM_00104	XM_01151	.	.	NP_00103	XP_011514	protein_co	ENSG0000	57180	17256
ACTR3C	0.413416	0.311904	0.222567	0.298704	0.321867	0.480814	ARP3 actin-related protein 3 homolog C [Source:HGNC Symbol;A	chr7:14994	NM_00116	XM_01151	.	.	NP_00115	XP_005250	protein_co	ENSG0000	653857	37282
ACTR5	14.0772	11.6842	16.295	13.8091	11.859	11.8427	ARP5 actin-related protein 5 homolog [Source:HGNC Symbol;Acc:	chr20:3737	NM_02485	XM_00526	.	.	NP_07913	.	protein_co	ENSG0000	79913	14671
ACTR6	14.3213	13.0429	17.2929	13.1795	18.6912	23.5272	ARP6 actin-related protein 6 homolog [Source:HGNC Symbol;Acc:	chr12:1005	NM_02249	.	.	.	NP_07194	XP_016875	protein_co	ENSG0000	64431	24025
ACTR8	12.7686	13.5211	11.2856	13.6007	14.0602	10.9797	ARP8 actin-related protein 8 homolog [Source:HGNC Symbol;Acc:	chr3:53901	NM_02289	XM_01153	.	.	NP_07505	XP_005265	protein_co	ENSG0000	93973	14672
ACTRT1	0	0	0	0	0	0	actin related protein T1 [Source:HGNC Symbol;Acc:HGNC:24027]	chrX:12718	NM_13828	.	.	.	NP_61214	.	protein_co	ENSG0000	139741	24027
ACTRT2	0	0	0	0	0	0	actin related protein T2 [Source:HGNC Symbol;Acc:HGNC:24026]	chr1:29380	NM_08043	.	.	.	NP_53635	.	protein_co	ENSG0000	140625	24026
ACTRT3	1.46035	1.55729	1.0016	1.05335	1.40666	1.39842	actin related protein T3 [Source:HGNC Symbol;Acc:HGNC:24022]	chr3:16948	NM_03248	.	.	.	NP_11587	.	protein_co	ENSG0000	84517	24022
ACVR1	8.42129	8.36348	6.50194	7.05012	6.78131	7.43069	activin A receptor type 1 [Source:HGNC Symbol;Acc:HGNC:171]	chr2:15859	NM_00110	XM_01151	.	.	NP_00109	XP_005246	protein_co	ENSG0000	90	171
ACVR1B	13.1042	12.5309	10.8008	12.2746	11.8573	11.2333	activin A receptor type 1B [Source:HGNC Symbol;Acc:HGNC:172]	chr12:5234	NM_00430	.	.	.	NP_00429	XP_016875	protein_co	ENSG0000	91	172
ACVR1C	0.412555	0.675933	0.778536	0.551422	0.30603	0.418834	activin A receptor type 1C [Source:HGNC Symbol;Acc:HGNC:1812	chr2:15838	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	130399	18123
ACVR2A	5.01805	4.16025	4.46489	3.65097	4.15758	4.75114	activin A receptor type 2A [Source:HGNC Symbol;Acc:HGNC:173]	chr2:14860	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	92	173
ACVR2B	5.34108	5.6394	5.04429	3.60534	4.63959	6.52865	activin A receptor type 2B [Source:HGNC Symbol;Acc:HGNC:174]	chr3:38495	NM_00110	XM_01700	.	.	NP_00109	XP_005265	protein_co	ENSG0000	93	174
ACVRL1	0.630738	0.851947	0.539241	0.548313	0.381051	0.457213	activin A receptor like type 1 [Source:HGNC Symbol;Acc:HGNC:17	chr12:5230	NM_00002	XM_01153	.	.	NP_00001	XP_005269	protein_co	ENSG0000	94	175
ACY1	24.4263	24.9184	33.9378	27.5805	21.4029	25.1632	aminoacylase 1 [Source:HGNC Symbol;Acc:HGNC:177]	chr3:52002	NM_00066	.	.	.	NP_00065	.	protein_co	ENSG0000	95	177
ACY3	0.070747	0.096824	0.503543	0.303187	0	0.07816	aminoacylase 3 [Source:HGNC Symbol;Acc:HGNC:24104]	chr11:6741	NM_08065	XM_01154	.	.	NP_54238	XP_011543	protein_co	ENSG0000	91703	24104
ACYP1	30.0609	29.8342	26.4545	35.488	25.799	24.2153	acylphosphatase 1 [Source:HGNC Symbol;Acc:HGNC:179]	chr14:7551	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	97	179

ACYP2	6.52241	7.20705	7.07334	9.02656	5.27838	6.97932	acylphosphatase 2 [Source:HGNC Symbol;Acc:HGNC:180]	chr2:54091	NM_00132	.	.	.	NP_00130	.	protein_co	ENSG0000	98	180
ADA	14.9693	15.2087	15.7065	16.6892	15.0498	13.5934	adenosine deaminase [Source:HGNC Symbol;Acc:HGNC:186]	chr20:4316	NM_00002	XM_01152	.	.	NP_00001	XP_005260	protein_co	ENSG0000	100	186
ADAD1	0	0	0	0	0	0	adenosine deaminase domain containing 1 [Source:HGNC Symbo	chr4:12330	NM_00115	XM_01153	.	.	NP_00115	XP_005262	protein_co	ENSG0000	132612	30713
ADAD2	0	0	0.042885	0.106062	0.059347	0	adenosine deaminase domain containing 2 [Source:HGNC Symbo	chr16:8422	NM_00114	XM_01152	.	.	NP_00113	XP_005255	protein_co	ENSG0000	161931	30714
ADAL	1.78835	2.1109	2.08457	2.30958	2.3903	1.94238	adenosine deaminase like [Source:HGNC Symbol;Acc:HGNC:3185	chr15:4362	NM_00101	XM_01152	.	.	NP_00101	XP_005254	protein_co	ENSG0000	161823	31853
ADAM10	22.065	20.6263	25.2879	18.1142	21.5962	27.4492	ADAM metallopeptidase domain 10 [Source:HGNC Symbol;Acc:H	chr15:5888	NM_00111	XM_00525	.	.	NP_00110	XP_016877	protein_co	ENSG0000	102	188
ADAM11	2.50282	2.33385	3.98934	2.0881	1.94857	2.24054	ADAM metallopeptidase domain 11 [Source:HGNC Symbol;Acc:H	chr17:4283	NM_00131	XM_01152	.	.	NP_00130	XP_005257	protein_co	ENSG0000	4185	189
ADAM12	0	0	0	0.022029	0	0.009846	ADAM metallopeptidase domain 12 [Source:HGNC Symbol;Acc:H	chr10:1277	NM_00128	XM_01701	.	.	NP_00127	XP_016872	protein_co	ENSG0000	8038	190
ADAM15	74.6205	75.4773	69.8288	57.2771	48.4083	41.2599	ADAM metallopeptidase domain 15 [Source:HGNC Symbol;Acc:H	chr1:15502	NM_00126	.	.	.	NP_00124	.	protein_co	ENSG0000	8751	193
ADAM17	13.0639	13.1566	14.1145	8.54492	11.0238	15.1123	ADAM metallopeptidase domain 17 [Source:HGNC Symbol;Acc:H	chr2:96139	NM_00318	XM_01151	.	.	NP_00317	XP_011508	protein_co	ENSG0000	6868	195
ADAM18	0	0	0	0	0	0	ADAM metallopeptidase domain 18 [Source:HGNC Symbol;Acc:H	chr8:39442	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	8749	196
ADAM19	13.6217	14.1179	43.5715	20.7179	20.5137	27.6877	ADAM metallopeptidase domain 19 [Source:HGNC Symbol;Acc:H	chr5:15690	NM_03327	XM_00526	.	.	NP_15037	XP_005266	protein_co	ENSG0000	8728	197
ADAM2	0	0	0	0	0	0	ADAM metallopeptidase domain 2 [Source:HGNC Symbol;Acc:HG	chr8:39601	NM_00127	XM_01154	.	.	NP_00126	XP_005273	protein_co	ENSG0000	2515	198
ADAM20	0	0.02687	0	0	0	0.024897	ADAM metallopeptidase domain 20 [Source:HGNC Symbol;Acc:H	chr14:7098	NM_00381	XM_01153	.	.	NP_00380	XP_005268	protein_co	ENSG0000	8748	199
ADAM21	1.89263	1.23536	1.10257	1.03745	1.38497	1.04653	ADAM metallopeptidase domain 21 [Source:HGNC Symbol;Acc:H	chr14:7091	NM_00381	.	.	.	NP_00380	.	protein_co	ENSG0000	8747	200
ADAM22	2.66805	2.86785	3.38681	2.16012	2.758	2.68924	ADAM metallopeptidase domain 22 [Source:HGNC Symbol;Acc:H	chr7:87563	NM_00132	XM_01701	.	.	NP_00131	XP_005250	protein_co	ENSG0000	53616	201
ADAM23	0.025352	0	0.065945	0.015063	0	0.013132	ADAM metallopeptidase domain 23 [Source:HGNC Symbol;Acc:H	chr2:20730	NM_00381	XM_01151	.	.	NP_00380	XP_005246	protein_co	ENSG0000	8745	202
ADAM28	0.055727	0	0.117732	0	0.037402	0.01081	ADAM metallopeptidase domain 28 [Source:HGNC Symbol;Acc:H	chr8:24151	NM_00130	XM_01701	.	.	NP_00129	XP_005273	protein_co	ENSG0000	10863	206
ADAM29	0	0	0	0	0	0	ADAM metallopeptidase domain 29 [Source:HGNC Symbol;Acc:H	chr4:17583	NM_00113	XM_01153	.	.	NP_00112	XP_011529	protein_co	ENSG0000	11086	207
ADAM30	0	0	0	0	0	0	ADAM metallopeptidase domain 30 [Source:HGNC Symbol;Acc:H	chr1:12043	NM_02179	.	.	.	NP_06856	.	protein_co	ENSG0000	11085	208
ADAM32	0.391547	0.247579	0.325734	0.032975	0.042155	0.147519	ADAM metallopeptidase domain 32 [Source:HGNC Symbol;Acc:H	chr8:38965	NM_00131	XM_01701	.	.	NP_00130	XP_006716	protein_co	ENSG0000	203102	15479
ADAM33	0	0	0	0	0	0	ADAM metallopeptidase domain 33 [Source:HGNC Symbol;Acc:H	chr20:3648	NM_00128	XM_01152	.	.	NP_00126	XP_005260	protein_co	ENSG0000	80332	15478
ADAM7	0	0	0	0	0	0	ADAM metallopeptidase domain 7 [Source:HGNC Symbol;Acc:HG	chr8:24298	NM_00381	XM_00527	.	.	NP_00380	XP_005273	protein_co	ENSG0000	8756	214
ADAM8	0.383049	0.401922	0.701684	0.348662	0.545296	0.795023	ADAM metallopeptidase domain 8 [Source:HGNC Symbol;Acc:HG	chr10:1350	NM_00110	XM_01153	.	.	NP_00110	XP_011537	protein_co	ENSG0000	101	215
ADAM9	60.5181	63.972	66.8306	60.2718	63.0554	84.5314	ADAM metallopeptidase domain 9 [Source:HGNC Symbol;Acc:HG	chr8:38854	NM_00381	XM_01701	.	.	NP_00380	XP_011542	protein_co	ENSG0000	8754	216
ADAMDEC1	0	0	0	0	0	0	ADAM like decysin 1 [Source:HGNC Symbol;Acc:HGNC:16299]	chr8:24241	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	27299	16299
ADAMTS1	0	0	0	0	0	0	ADAM metallopeptidase with thrombospondin type 1 motif 1 [So	chr21:2820	NM_00698	.	.	.	NP_00891	.	protein_co	ENSG0000	9510	217
ADAMTS10	1.58522	1.76638	2.71995	0.962425	1.23919	1.68319	ADAM metallopeptidase with thrombospondin type 1 motif 10 [S	chr19:8645	NM_00128	XM_01702	.	.	NP_00126	XP_006722	protein_co	ENSG0000	81794	13201
ADAMTS12	0	0	0	0	0	0	ADAM metallopeptidase with thrombospondin type 1 motif 12 [S	chr5:33523	NM_03095	XM_01151	.	.	NP_00131	.	protein_co	ENSG0000	81792	14605
ADAMTS13	2.76232	1.83452	3.98449	1.56995	1.62476	1.7503	ADAM metallopeptidase with thrombospondin type 1 motif 13 [S	chr9:13628	NM_13902	XM_01151	NR_02451	.	NP_62059	XP_016869	protein_co	ENSG0000	11093	1366
ADAMTS14	4.6111	4.51669	8.66742	2.49949	2.43465	2.14537	ADAM metallopeptidase with thrombospondin type 1 motif 14 [S	chr10:7243	NM_08072	XM_01153	.	.	NP_54245	XP_011537	protein_co	ENSG0000	140766	14899
ADAMTS15	0.255454	0.521899	0.393356	0.653397	0.606244	0.715837	ADAM metallopeptidase with thrombospondin type 1 motif 15 [S	chr11:1303	NM_13905	XM_00527	.	.	NP_62068	XP_005271	protein_co	ENSG0000	170689	16305
ADAMTS16	0.567373	0.587654	0.400803	0.207888	0.149449	0.244469	ADAM metallopeptidase with thrombospondin type 1 motif 16 [S	chr5:51404	NM_13905	.	.	.	NP_62068	.	protein_co	ENSG0000	170690	17108
ADAMTS17	0.566065	0.694472	0.728841	0.600621	0.668022	0.69417	ADAM metallopeptidase with thrombospondin type 1 motif 17 [S	chr15:1005	NM_13905	XM_01152	.	.	NP_62068	XP_005254	protein_co	ENSG0000	170691	17109
ADAMTS18	0	0	0	0	0	0	ADAM metallopeptidase with thrombospondin type 1 motif 18 [S	chr16:7731	NM_00132	XM_01152	.	.	NP_00131	XP_011521	protein_co	ENSG0000	170692	17110
ADAMTS19	0	0	0	0	0	0	ADAM metallopeptidase with thrombospondin type 1 motif 19 [S	chr5:12879	NM_13363	XM_01154	.	.	NP_59837	XP_011541	protein_co	ENSG0000	171019	17111
ADAMTS2	0.935759	1.15849	1.52142	0.631874	0.838515	1.17776	ADAM metallopeptidase with thrombospondin type 1 motif 2 [So	chr5:17853	NM_01424	XM_01701	.	.	NP_05505	XP_016865	protein_co	ENSG0000	9509	218
ADAMTS20	0	0.033872	0	0	0.011884	0	ADAM metallopeptidase with thrombospondin type 1 motif 20 [S	chr12:4374	NM_02500	XM_01153	.	.	NP_07927	XP_011537	protein_co	ENSG0000	80070	17178
ADAMTS3	0	0	0	0	0	0	ADAM metallopeptidase with thrombospondin type 1 motif 3 [So	chr4:73146	NM_01424	XM_01153	.	.	NP_05505	XP_011530	protein_co	ENSG0000	9508	219
ADAMTS4	0	0.113746	0.033409	0.008179	0.089029	0.007721	ADAM metallopeptidase with thrombospondin type 1 motif 4 [So	chr1:16115	NM_00509	XM_00671	.	.	NP_00509	.	protein_co	ENSG0000	9507	220
ADAMTS5	0	0	0	0	0	0	ADAM metallopeptidase with thrombospondin type 1 motif 5 [So	chr21:2829	NM_00703	XM_01152	.	.	NP_00896	XP_011527	protein_co	ENSG0000	11096	221
ADAMTS6	0.182745	0.107848	0.167475	0.126379	0.13607	0.241331	ADAM metallopeptidase with thrombospondin type 1 motif 6 [So	chr5:64444	NM_19794	XM_01154	.	.	NP_92293	XP_011541	protein_co	ENSG0000	11174	222
ADAMTS7	3.14328	3.55137	6.21025	4.22513	3.20523	3.48945	ADAM metallopeptidase with thrombospondin type 1 motif 7 [So	chr15:7905	NM_01427	XM_00525	.	.	NP_05508	XP_005254	protein_co	ENSG0000	11173	223
ADAMTS8	0	0.020615	0	0	0	0	ADAM metallopeptidase with thrombospondin type 1 motif 8 [So	chr11:1302	NM_00703	.	.	.	NP_00896	XP_016872	protein_co	ENSG0000	11095	224
ADAMTS9	0	0	0	0	0	0	ADAM metallopeptidase with thrombospondin type 1 motif 9 [So	chr3:64501	NM_00131	XM_00526	.	.	NP_00130	XP_005265	protein_co	ENSG0000	56999	13202
ADAMTSL1	0.049937	0	0	0	0	0	ADAMTS like 1 [Source:HGNC Symbol;Acc:HGNC:14632]	chr9:18473	NM_00104	XM_01701	.	.	NP_00103	XP_011516	protein_co	ENSG0000	92949	14632
ADAMTSL2	0	0	0	0.022654	0	0.02417	ADAMTS like 2 [Source:HGNC Symbol;Acc:HGNC:14631]	chr9:13639	NM_00114	XM_01151	.	.	NP_00113	XP_005272	protein_co	ENSG0000	9719	14631
ADAMTSL3	0	0.009757	0	0	0	0	ADAMTS like 3 [Source:HGNC Symbol;Acc:HGNC:14633]	chr15:8432	NM_00130	XM_01152	.	.	NP_00128	XP_011520	protein_co	ENSG0000	57188	14633
ADAMTSL4	0.285738	0.453357	0.791878	0.362159	0.283943	0.31531	ADAMTS like 4 [Source:HGNC Symbol;Acc:HGNC:19706]	chr1:15052	NM_00128	XM_01150	.	.	NP_00127	XP_011507	protein_co	ENSG0000	54507	19706
ADAMTSL5	5.13523	5.58043	6.49657	3.62673	3.86102	4.10627	ADAMTS like 5 [Source:HGNC Symbol;Acc:HGNC:27912]	chr19:1505	NM_21360	XM_01702	.	.	NP_99876	XP_005259	protein_co	ENSG0000	339366	27912
ADAP1	13.2594	15.0243	12.8003	16.1389	12.7507	11.4242	ArfGAP with dual PH domains 1 [Source:HGNC Symbol;Acc:HGNC	chr7:93753	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	11033	16486
ADAP2	6.10211	6.03691	7.69248	7.28978	6.65882	5.55709	ArfGAP with dual PH domains 2 [Source:HGNC Symbol;Acc:HGNC	chr17:2924	NM_01840	XM_01152	.	.	NP_06087	XP_005258	protein_co	ENSG0000	55803	16487
ADAR	73.3445	77.9735	70.6177	71.1481	75.1308	68.9065	adenosine deaminase, RNA specific [Source:HGNC Symbol;Acc:H	chr1:15455	NM_00102	XM_01150	.	.	NP_00102	XP_006711	protein_co	ENSG0000	103	225
ADARB1	11.1118	4.66353	5.24818	3.36887	4.03781	4.12074	adenosine deaminase, RNA specific B1 [Source:HGNC Symbol;Acc	chr21:4649	NM_00111	XM_01702	NR_02767	.	NP_00110	XP_006724	protein_co	ENSG0000	104	226
ADARB2	0	0	0	0	0.011049	0	adenosine deaminase, RNA specific B2 (inactive) [Source:HGNC S	chr10:1223	NM_01870	.	.	.	NP_06117	.	protein_co	ENSG0000	105	227
ADAT1	5.23547	5.81144	6.87335	5.2202	5.15351	4.106	adenosine deaminase, tRNA specific 1 [Source:HGNC Symbol;Acc	chr16:7563	NM_01209	.	.	.	NP_00131	.	protein_co	ENSG0000	23536	228
ADAT2	9.6832	9.05244	9.88752	9.11919	10.3437	7.144	adenosine deaminase, tRNA specific 2 [Source:HGNC Symbol;Acc	chr6:14374	NM_00128	XM_01701	.	.	NP_00127	XP_011533	protein_co	ENSG0000	134637	21172
ADAT3	7.05152	6.05941	8.29206	6.97555	5.19815	7.28968	adenosine deaminase, tRNA specific 3 [Source:HGNC Symbol;Acc	chr19:1905	NM_13842	.	.	.	NP_00131	.	protein_co	ENSG0000	113179	25151
ADCK1	3.71894	4.40846	4.1971	4.25451	2.92806	4.40833	aarF domain containing kinase 1 [Source:HGNC Symbol;Acc:HGN	chr14:7826	NM_00114	XM_00526	.	.	NP_00113	XP_005267	protein_co	ENSG0000	57143	19038

ADCK2	9.58606	9.7611	9.68034	10.1792	8.91937	9.56495	aarF domain containing kinase 2 [Source:HGNC Symbol;Acc:HGN(	chr7:14037	NM_05285	XM_01151	.	.	NP_44308	XP_006716	protein_co	ENSG0000	90956	19039
ADCK3	18.8358	19.6331	19.6223	16.1926	13.5204	14.478	coenzyme Q8A [Source:HGNC Symbol;Acc:HGNC:16812]	chr1:22708	NM_02024	XM_01154	.	.	NP_06463	XP_005273	protein_co	ENSG0000	56997	16812
ADCK4	12.6493	12.2069	10.3218	9.44281	9.06285	9.7324	coenzyme Q8B [Source:HGNC Symbol;Acc:HGNC:19041]	chr19:4119	NM_00114	XM_01152	.	.	NP_00113	XP_005259	protein_co	ENSG0000	79934	19041
ADCK5	9.63871	9.86471	10.352	9.55361	9.46045	7.75214	aarF domain containing kinase 5 [Source:HGNC Symbol;Acc:HGN(	chr8:14559	NM_17492	XM_01701	.	.	NP_77758	XP_006716	protein_co	ENSG0000	203054	21738
ADCY1	0	0	0	0	0	0	adenylate cyclase 1 [Source:HGNC Symbol;Acc:HGNC:232]	chr7:45613	NM_00128	XM_00524	.	.	NP_00126	XP_005249	protein_co	ENSG0000	107	232
ADCY10	0	0	0.118897	0.304168	0	0.013353	adenylate cyclase 10, soluble [Source:HGNC Symbol;Acc:HGNC:2	chr1:16777	NM_00116	XM_01150	.	.	NP_00116	XP_006711	protein_co	ENSG0000	55811	21285
ADCY2	0	0	0	0	0	0	adenylate cyclase 2 [Source:HGNC Symbol;Acc:HGNC:233]	chr5:73963	NM_02054	XM_01151	.	.	NP_06543	XP_011512	protein_co	ENSG0000	108	233
ADCY3	14.0929	13.5136	15.0092	11.7688	11.88	9.46009	adenylate cyclase 3 [Source:HGNC Symbol;Acc:HGNC:234]	chr2:25012	NM_00132	XM_01153	.	.	NP_00130	XP_005264	protein_co	ENSG0000	109	234
ADCY4	0	0.023283	0.020144	0	0	0.02567	adenylate cyclase 4 [Source:HGNC Symbol;Acc:HGNC:235]	chr14:2478	NM_00119	.	.	.	NP_00118		protein_co	ENSG0000	196883	235
ADCY5	0	0.026389	0.118962	0.14861	0.053289	0.091037	adenylate cyclase 5 [Source:HGNC Symbol;Acc:HGNC:236]	chr3:12300	NM_00119	XM_01151	.	.	NP_00118	XP_005247	protein_co	ENSG0000	111	236
ADCY6	6.76779	7.4432	7.50469	5.74864	6.28807	6.16118	adenylate cyclase 6 [Source:HGNC Symbol;Acc:HGNC:237]	chr12:4915	NM_01527	XM_01153	.	.	NP_05608	XP_005268	protein_co	ENSG0000	112	237
ADCY7	9.18062	9.30636	9.10827	7.19306	8.58654	6.51881	adenylate cyclase 7 [Source:HGNC Symbol;Acc:HGNC:238]	chr16:5030	NM_00111	XM_01702	.	.	NP_00110	XP_005255	protein_co	ENSG0000	113	238
ADCY8	0	0	0	0	0.016353	0	adenylate cyclase 8 [Source:HGNC Symbol;Acc:HGNC:239]	chr8:13179	NM_00111	XM_00671	.	.	NP_00110	XP_005250	protein_co	ENSG0000	114	239
ADCY9	2.98135	3.53072	3.88682	2.651	2.54539	3.41177	adenylate cyclase 9 [Source:HGNC Symbol;Acc:HGNC:240]	chr16:4012	NM_00111	XM_00525	.	.	NP_00110	XP_005255	protein_co	ENSG0000	115	240
ADCYAP1	0	0	0	0	0	0	adenylate cyclase activating polypeptide 1 [Source:HGNC Symbol	chr18:9049	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	116	241
ADCYAP1R1	0.023096	0.07285	0.042178	0.047407	0.05227	0.099453	ADCYAP receptor type I [Source:HGNC Symbol;Acc:HGNC:242]	chr7:31092	NM_00111	XM_01151	.	.	NP_00110	XP_005249	protein_co	ENSG0000	117	242
ADD1	38.3146	40.2376	36.2275	34.8928	34.1291	30.9119	adducin 1 [Source:HGNC Symbol;Acc:HGNC:243]	chr4:28455	NM_00111	XM_01700	.	.	NP_00111	XP_005247	protein_co	ENSG0000	118	243
ADD2	0.007407	0.016287	0.019644	0	0	0	adducin 2 [Source:HGNC Symbol;Acc:HGNC:244]	chr2:70883	NM_00118	XM_01153	.	.	NP_00117	XP_011530	protein_co	ENSG0000	119	244
ADD3	14.3666	15.7473	19.2076	20.0589	23.3922	24.9042	adducin 3 [Source:HGNC Symbol;Acc:HGNC:245]	chr10:1117	NM_00112	XM_01153	.	.	NP_00111	XP_005269	protein_co	ENSG0000	120	245
ADGB	0	0.025851	0	0	0	0	androglobin [Source:HGNC Symbol;Acc:HGNC:21212]	chr6:14692	NM_02469	XM_01701	.	.	NP_07897	XP_006715	protein_co	ENSG0000	79747	21212
ADGRA1	0	0	0	0.023483	0	0	adhesion G protein-coupled receptor A1 [Source:HGNC Symbol;A	chr10:1348	NM_00108	XM_00525	.	.	NP_00107	XP_005252	protein_co	ENSG0000	84435	13838
ADGRA2	3.22873	2.78245	4.22195	2.79049	2.82268	4.39732	adhesion G protein-coupled receptor A2 [Source:HGNC Symbol;A	chr8:37654	NM_03277	XM_01154	.	.	NP_11616	XP_011542	protein_co	ENSG0000	25960	17849
ADGRA3	25.7906	24.0378	24.5367	20.8728	22.7781	19.3663	adhesion G protein-coupled receptor A3 [Source:HGNC Symbol;A	chr4:22388	NM_14529	XM_01151	.	.	NP_66033	.	protein_co	ENSG0000	166647	13839
ADGRB1	0.524443	0.630807	1.15398	0.606068	0.661514	0.716368	adhesion G protein-coupled receptor B1 [Source:HGNC Symbol;A	chr8:14353	NM_00170	XM_01151	.	.	NP_00169	XP_011515	protein_co	ENSG0000	575	943
ADGRB2	4.01409	4.02829	5.9673	4.32349	4.77379	4.07258	adhesion G protein-coupled receptor B2 [Source:HGNC Symbol;A	chr1:32192	NM_00129	XM_01700	.	.	NP_00128	XP_011540	protein_co	ENSG0000	576	944
ADGRB3	0	0.054968	0	0	0	0	adhesion G protein-coupled receptor B3 [Source:HGNC Symbol;A	chr6:69345	NM_00170	XM_01153	.	.	NP_00169	XP_005248	protein_co	ENSG0000	577	945
ADGRD1	0.408858	0.295495	0.401959	0.191141	0.565288	0.217654	adhesion G protein-coupled receptor D1 [Source:HGNC Symbol;A	chr12:1314	NM_19882	XM_01153	.	.	NP_94212	XP_005253	protein_co	ENSG0000	283383	19893
ADGRD2	0	0	0	0	0	0	adhesion G protein-coupled receptor D2 [Source:HGNC Symbol;A	chr9:12721	.	.	.	.	.		protein_co	ENSG0000	.	18651
ADGRE1	0	0.026449	0	0.030596	0	0	adhesion G protein-coupled receptor E1 [Source:HGNC Symbol;A	chr19:6887	NM_00125	XM_01152	.	.	NP_00124	XP_011526	protein_co	ENSG0000	2015	3336
ADGRE2	3.63243	3.78452	4.19721	3.03741	3.58429	3.92281	adhesion G protein-coupled receptor E2 [Source:HGNC Symbol;A	chr19:1480	NM_00127	XM_01152	.	.	NP_00125	XP_011526	protein_co	ENSG0000	30817	3337
ADGRE3	0	0	0	0	0	0	adhesion G protein-coupled receptor E3 [Source:HGNC Symbol;A	chr19:1472	NM_00128	XM_01152	.	.	NP_00127	XP_011526	protein_co	ENSG0000	84658	23647
ADGRE5	27.6035	29.1734	30.3065	24.8329	24.0016	28.6856	adhesion G protein-coupled receptor E5 [Source:HGNC Symbol;A	chr19:1449	NM_00102	XM_01702	.	.	NP_00102	XP_011526	protein_co	ENSG0000	976	1711
ADGRF1	47.4043	45.3143	38.6684	40.7797	44.1057	51.0643	adhesion G protein-coupled receptor F1 [Source:HGNC Symbol;A	chr6:46965	NM_02504	XM_01701	.	.	NP_07932	XP_005249	protein_co	ENSG0000	266977	18990
ADGRF2	0.015339	0	0	0	0.11553	0.030443	adhesion G protein-coupled receptor F2 [Source:HGNC Symbol;A	chr6:47624	NM_15383	.	.	.	NP_72258	.	protein_co	ENSG0000	222611	18991
ADGRF3	0	0.0417	0	0.026013	0	0	adhesion G protein-coupled receptor F3 [Source:HGNC Symbol;A	chr2:26531	NM_00114	XM_01153	.	.	NP_00113	XP_011530	protein_co	ENSG0000	165082	18989
ADGRF4	0.023177	0	0.060397	0	0	0.023191	adhesion G protein-coupled receptor F4 [Source:HGNC Symbol;A	chr6:47624	NM_15383	.	.	.	NP_72258	.	protein_co	ENSG0000	221393	19011
ADGRF5	0	0	0	0	0	0	adhesion G protein-coupled receptor F5 [Source:HGNC Symbol;A	chr6:46820	NM_00109	XM_01701	.	.	NP_00109	XP_005248	protein_co	ENSG0000	221395	19030
ADGRG1	14.3275	15.2358	13.8636	12.4951	10.9362	18.1802	adhesion G protein-coupled receptor G1 [Source:HGNC Symbol;A	chr16:5765	NM_00114	XM_01702	.	.	NP_00113	XP_005256	protein_co	ENSG0000	9289	4512
ADGRG2	0	0	0.014785	0	0	0	adhesion G protein-coupled receptor G2 [Source:HGNC Symbol;A	chrX:19007	NM_00107	XM_01154	.	.	NP_00107	XP_006724	protein_co	ENSG0000	10149	4516
ADGRG3	0	0	0.047021	0	0.031309	0.029516	adhesion G protein-coupled receptor G3 [Source:HGNC Symbol;A	chr16:5770	NM_00130	XM_01152	.	.	NP_00129	XP_005255	protein_co	ENSG0000	222487	13728
ADGRG4	0	0	0	0	0	0.007921	adhesion G protein-coupled receptor G4 [Source:HGNC Symbol;A	chrX:13538	NM_15383	XM_01153	.	.	NP_72257	XP_011529	protein_co	ENSG0000	139378	18992
ADGRG5	2.36267	2.42044	2.5063	2.55165	2.3436	2.35127	adhesion G protein-coupled receptor G5 [Source:HGNC Symbol;A	chr16:5757	NM_00130	XM_01152	.	.	NP_00129	XP_006721	protein_co	ENSG0000	221188	19010
ADGRG6	14.7917	14.5737	20.3809	9.93703	13.7361	19.8795	adhesion G protein-coupled receptor G6 [Source:HGNC Symbol;A	chr6:14262	NM_00103	XM_01153	.	.	NP_00102	XP_005267	protein_co	ENSG0000	57211	13841
ADGRG7	0	0.048701	0.023126	0	0.100911	0	adhesion G protein-coupled receptor G7 [Source:HGNC Symbol;A	chr3:10032	NM_00130	XM_01151	.	.	NP_00129	XP_005247	protein_co	ENSG0000	84873	19241
ADGRL1	20.1485	20.5519	20.8918	17.0985	17.2555	14.5619	adhesion G protein-coupled receptor L1 [Source:HGNC Symbol;A	chr19:1425	NM_00100	XM_01702	.	.	NP_00100	XP_005259	protein_co	ENSG0000	22859	20973
ADGRL2	0.014303	0.015167	0	0	0.053681	0.038502	adhesion G protein-coupled receptor L2 [Source:HGNC Symbol;A	chr1:81771	NM_00129	XM_01700	.	.	NP_00128	XP_005270	protein_co	ENSG0000	23266	18582
ADGRL3	0	0	0	0	0	0	adhesion G protein-coupled receptor L3 [Source:HGNC Symbol;A	chr4:62066	NM_00132	XM_01700	.	.	NP_00130	XP_011530	protein_co	ENSG0000	23284	20974
ADGRL4	0	0	0	0	0	0	adhesion G protein-coupled receptor L4 [Source:HGNC Symbol;A	chr1:79355	NM_02215	.	.	.	NP_07144	.	protein_co	ENSG0000	64123	20822
ADGRV1	0.584563	0.423054	0.723659	0.477054	0.457467	0.602194	adhesion G protein-coupled receptor V1 [Source:HGNC Symbol;A	chr5:89854	NM_03211	XM_01700	.	.	NP_11549	XP_016865	protein_co	ENSG0000	84059	17416
ADH1A	0	0	0	0	0	0	alcohol dehydrogenase 1A (class I), alpha polypeptide [Source:H	chr4:10019	NM_00066	.	.	.	NP_00065	.	protein_co	ENSG0000	124	249
ADH1B	0	0	0.05274	0	0	0	alcohol dehydrogenase 1B (class I), beta polypeptide [Source:HG	chr4:10022	NM_00066	.	.	.	NP_00065	.	protein_co	ENSG0000	125	250
ADH1C	0	0.047175	0	0.050356	0	0.045486	alcohol dehydrogenase 1C (class I), gamma polypeptide [Source:H	chr4:10025	NM_00066	XM_01153	.	.	NP_00066	XP_011529	protein_co	ENSG0000	126	251
ADH4	0	0	0	0	0	0	alcohol dehydrogenase 4 (class II), pi polypeptide [Source:HGNC S	chr4:10004	NM_00067	XM_01153	.	.	NP_00066	XP_011529	protein_co	ENSG0000	127	252
ADH5	108.114	96.7662	102.555	138.491	125.839	128.841	alcohol dehydrogenase 5 (class III), chi polypeptide [Source:HGN	chr4:99992	NM_00067	.	.	.	NP_00066	.	protein_co	ENSG0000	128	253
ADH6	0	0	0	0	0	0	alcohol dehydrogenase 6 (class V) [Source:HGNC Symbol;Acc:HG	chr4:10012	NM_00067	XM_00526	.	.	NP_00066	XP_005262	protein_co	ENSG0000	130	255
ADH7	0	0	0	0	0	0	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide [So	chr4:10033	NM_00067	.	.	.	NP_00066	.	protein_co	ENSG0000	131	256
ADHFE1	0.335739	0.17469	0.424416	0.186027	0.23698	0.171996	alcohol dehydrogenase, iron containing 1 [Source:HGNC Symbol;	chr8:67344	NM_14465	.	.	.	NP_65325	.	protein_co	ENSG0000	137872	16354
ADI1	33.9852	36.1515	26.1287	34.4634	29.4357	20.3904	acireductone dioxygenase 1 [Source:HGNC Symbol;Acc:HGNC:30	chr2:35011	NM_00130	XM_00526	.	.	NP_00129	XP_005264	protein_co	ENSG0000	55256	30576
ADIG	0	0	0	0	0	0	adipogenin [Source:HGNC Symbol;Acc:HGNC:28606]	chr20:3720	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	149685	28606

ADIPOQ	0	0	0	0	0	0	adiponectin, C1Q and collagen domain containing [Source:HGNC	chr3:18656	NM_00117	XM_01151	.	.	NP_00117	XP_011511	protein_co	ENSG0000	9370	13633
ADIPOR1	71.8745	67.0404	64.8551	74.8126	67.2091	67.2195	adiponectin receptor 1 [Source:HGNC Symbol;Acc:HGNC:24040]	chr1:20290	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	51094	24040
ADIPOR2	39.692	41.9928	40.7477	45.0909	46.8922	52.2743	adiponectin receptor 2 [Source:HGNC Symbol;Acc:HGNC:24041]	chr12:1800	NM_02455	XM_01152	.	.	NP_07882	XP_005253	protein_co	ENSG0000	79602	24041
ADIRF	90.6691	89.3005	162.022	137.427	89.3757	158.96	adipogenesis regulatory factor [Source:HGNC Symbol;Acc:HGNC:	chr10:8872	NM_00682	.	.	.	NP_00682	.	protein_co	ENSG0000	10974	24043
ADK	33.5573	29.4313	33.7416	35.613	36.9701	46.4803	adenosine kinase [Source:HGNC Symbol;Acc:HGNC:257]	chr10:7591	NM_00112	XM_01153	.	.	NP_00111	XP_016871	protein_co	ENSG0000	132	257
ADM	44.4955	50.0916	54.5616	52.3684	45.1484	30.8491	adrenomedullin [Source:HGNC Symbol;Acc:HGNC:259]	chr11:1032	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	133	259
ADM2	3.55978	3.27339	3.30941	1.77185	1.53888	5.87195	adrenomedullin 2 [Source:HGNC Symbol;Acc:HGNC:28898]	chr22:5091	NM_00125	XM_01702	.	.	NP_00124	XP_016884	protein_co	ENSG0000	79924	28898
ADM5	5.30616	5.81241	4.09223	12.9578	10.2563	8.08736	adrenomedullin 5 (putative) [Source:HGNC Symbol;Acc:HGNC:27	chr19:5019	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	199800	27293
ADNP	34.3569	36.4338	32.1133	35.1302	38.8586	39.886	activity dependent neuroprotector homeobox [Source:HGNC Sym	chr20:4950	NM_00128	XM_01702	.	.	NP_00126	XP_011527	protein_co	ENSG0000	23394	15766
ADNP2	22.0594	24.7498	22.4094	24.4969	26.3052	25.9708	ADNP homeobox 2 [Source:HGNC Symbol;Acc:HGNC:23803]	chr18:7786	NM_01491	XM_00526	.	.	NP_05572	XP_005266	protein_co	ENSG0000	22850	23803
ADO	16.3041	17.6725	19.6539	19.055	21.4438	20.7677	2-aminoethanethiol dioxygenase [Source:HGNC Symbol;Acc:HGN	chr10:6456	NM_03280	.	.	.	NP_11619	.	protein_co	ENSG0000	84890	23506
ADORA1	2.84944	2.6984	2.37797	3.59206	3.24982	1.51505	adenosine A1 receptor [Source:HGNC Symbol;Acc:HGNC:262]	chr1:20305	NM_00067	XM_01150	.	.	NP_00066	XP_005244	protein_co	ENSG0000	134	262
ADORA2A	2.4332	2.16642	2.49343	4.31731	3.55598	3.04434	adenosine A2a receptor [Source:HGNC Symbol;Acc:HGNC:263]	chr22:2481	NM_00067	.	.	.	NP_00066	.	protein_co	ENSG0000	135	263
ADORA2B	38.2373	32.1693	38.4207	33.6746	32.1805	26.2536	adenosine A2b receptor [Source:HGNC Symbol;Acc:HGNC:264]	chr17:1584	NM_00067	.	.	.	NP_00066	.	protein_co	ENSG0000	136	264
ADPGK	26.3372	29.2333	24.0085	33.4781	31.3288	23.3957	ADP dependent glucokinase [Source:HGNC Symbol;Acc:HGNC:25	chr15:7304	NM_03128	XM_00672	.	.	NP_11257	XP_006720	protein_co	ENSG0000	83440	25250
ADPRH	2.01929	1.79055	1.71439	1.24857	1.69303	1.30438	ADP-ribosylarginine hydrolase [Source:HGNC Symbol;Acc:HGNC:2	chr3:11929	NM_00112	XM_01151	.	.	NP_00111	XP_011510	protein_co	ENSG0000	141	269
ADPRHL1	7.0823	6.18961	7.23741	6.32207	4.81163	6.77658	ADP-ribosylhydrolase like 1 [Source:HGNC Symbol;Acc:HGNC:213	chr13:1140	NM_13843	.	.	.	NP_61243	.	protein_co	ENSG0000	113622	21303
ADPRHL2	25.8585	25.6044	22.3375	30.8868	27.7551	21.3513	ADP-ribosylhydrolase like 2 [Source:HGNC Symbol;Acc:HGNC:213	chr1:36554	NM_01782	.	.	.	NP_06029	.	protein_co	ENSG0000	54936	21304
ADPRM	5.40726	5.03252	5.67076	4.62122	4.87875	5.65749	ADP-ribose/CDP-alcohol diphosphatase, manganese dependent [	chr17:1060	NM_02023	XM_00525	.	.	NP_06461	XP_005256	protein_co	ENSG0000	56985	30925
ADRA1A	0.085001	0	0	0	0	0	adrenoceptor alpha 1A [Source:HGNC Symbol;Acc:HGNC:277]	chr8:26605	NM_00068	XM_00671	.	.	NP_00067	XP_005273	protein_co	ENSG0000	148	277
ADRA1B	0	0	0	0	0.06591	0.125117	adrenoceptor alpha 1B [Source:HGNC Symbol;Acc:HGNC:278]	chr5:15934	NM_00067	.	.	.	NP_00067	.	protein_co	ENSG0000	147	278
ADRA1D	0.045667	0	0.038796	0	0	0.051835	adrenoceptor alpha 1D [Source:HGNC Symbol;Acc:HGNC:280]	chr20:4201	NM_00067	.	.	.	NP_00066	.	protein_co	ENSG0000	146	280
ADRA2A	0.065487	0.032403	0.055417	0.035484	0	0.03539	adrenoceptor alpha 2A [Source:HGNC Symbol;Acc:HGNC:281]	chr10:1128	NM_00068	.	.	.	NP_00067	.	protein_co	ENSG0000	150	281
ADRA2B	0.430757	0.303104	0.437392	0.246624	0.204287	0.46539	adrenoceptor alpha 2B [Source:HGNC Symbol;Acc:HGNC:282]	chr2:96778	NM_00068	.	.	.	NP_00067	.	protein_co	ENSG0000	151	282
ADRA2C	19.3182	18.4045	19.5049	17.9771	14.367	14.5211	adrenoceptor alpha 2C [Source:HGNC Symbol;Acc:HGNC:283]	chr4:37680	NM_00068	.	.	.	NP_00067	.	protein_co	ENSG0000	152	283
ADRB1	0.610983	0.690159	1.21364	0.580542	1.08086	1.33689	adrenoceptor beta 1 [Source:HGNC Symbol;Acc:HGNC:285]	chr10:1158	NM_00068	.	.	.	NP_00067	.	protein_co	ENSG0000	153	285
ADRB2	0.185675	0.163531	0.296169	0.146792	0.21079	0.301243	adrenoceptor beta 2 [Source:HGNC Symbol;Acc:HGNC:286]	chr5:14820	NM_00002	.	.	.	NP_00001	.	protein_co	ENSG0000	154	286
ADRB3	0	0	0	0	0	0	adrenoceptor beta 3 [Source:HGNC Symbol;Acc:HGNC:288]	chr8:37820	NM_00002	.	.	.	NP_00001	.	protein_co	ENSG0000	155	288
ADRM1	158.8	159.856	124.385	215.452	172.188	122.91	adhesion regulating molecule 1 [Source:HGNC Symbol;Acc:HGNC	chr20:6087	NM_00128	XM_01702	.	.	NP_00126	XP_005260	protein_co	ENSG0000	11047	15759
ADSL	73.1198	68.107	63.0133	94.9825	75.5892	63.7252	adenylosuccinate lyase [Source:HGNC Symbol;Acc:HGNC:291]	chr22:4074	NM_00002	XM_01152	.	.	NP_00001	XP_011528	protein_co	ENSG0000	158	291
ADSS	25.5354	26.8247	25.7907	27.8712	35.7143	33.0313	adenylosuccinate synthase [Source:HGNC Symbol;Acc:HGNC:292	chr1:24457	NM_00112	XM_01154	.	.	NP_00111	XP_011542	protein_co	ENSG0000	159	292
ADSSL1	2.02654	2.3062	3.78083	2.44063	1.52725	4.21636	adenylosuccinate synthase like 1 [Source:HGNC Symbol;Acc:HGN	chr14:1051	NM_00132	XM_01153	.	.	NP_00130	XP_006720	protein_co	ENSG0000	122622	20093
ADTRP	0.036747	0.282458	0.230271	0.110286	0.040584	0.217353	androgen dependent TFPI regulating protein [Source:HGNC Symb	chr6:11713	NM_00114	XM_01151	.	.	NP_00113	XP_005249	protein_co	ENSG0000	84830	21214
AEBP1	0.026409	0	0	0	0.060858	0	AE binding protein 1 [Source:HGNC Symbol;Acc:HGNC:303]	chr7:44143	NM_00112	XM_01151	NR_03979	.	NP_00112	XP_011513	protein_co	ENSG0000	100616346	303
AEBP2	14.9119	13.7245	14.9792	14.9366	16.6108	20.8307	AE binding protein 2 [Source:HGNC Symbol;Acc:HGNC:24051]	chr12:1955	NM_00111	XM_00671	.	.	NP_00110	XP_006719	protein_co	ENSG0000	121536	24051
AEN	36.9743	38.2002	36.4326	49.3731	42.3891	31.1306	apoptosis enhancing nuclease [Source:HGNC Symbol;Acc:HGNC:2	chr15:8916	NM_02276	XM_01152	.	.	NP_07360	XP_005255	protein_co	ENSG0000	64782	25722
AES	118.577	108.173	117.762	132.633	105.633	125.552	amino-terminal enhancer of split [Source:HGNC Symbol;Acc:HGN	chr19:3052	NM_00113	XM_01152	.	.	NP_00112	XP_006722	protein_co	ENSG0000	166	307
AF011889.5	4.11E-06	1.59E-06	3.94E-06	3.07E-06	4.27E-06	2.98E-06	.	chrX:14855	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AF131215.5	0	0	0	0	0	0	.	chr8:10754	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AF165138.7	0.109324	0	0	0	0	0	.	chr21:1596	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	.	.
AFAP1	6.13727	6.81294	7.07485	7.34282	7.71051	8.16001	actin filament associated protein 1 [Source:HGNC Symbol;Acc:HG	chr4:77604	NM_00113	XM_01151	.	.	NP_00112	XP_006713	protein_co	ENSG0000	60312	24017
AFAP1L1	1.58601	2.38291	2.57101	3.38888	3.22008	2.42466	actin filament associated protein 1 like 1 [Source:HGNC Symbol;A	chr5:14865	NM_00114	XM_00526	.	.	NP_00113	XP_016864	protein_co	ENSG0000	134265	26714
AFAP1L2	0.54362	0.484957	0.875659	0.261141	0.388606	0.699287	actin filament associated protein 1 like 2 [Source:HGNC Symbol;A	chr10:1160	NM_00100	XM_01701	.	.	NP_00100	XP_005270	protein_co	ENSG0000	84632	25901
AFF1	6.26177	6.38079	8.45079	5.61191	7.20696	7.69864	AF4/FMR2 family member 1 [Source:HGNC Symbol;Acc:HGNC:71	chr4:87856	NM_00116	XM_01153	.	.	NP_00116	XP_005263	protein_co	ENSG0000	4299	7135
AFF2	0	0	0	0	0	0	AF4/FMR2 family member 2 [Source:HGNC Symbol;Acc:HGNC:37	chrX:14758	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	2334	3776
AFF3	0.018658	0.042638	0.02899	0.016511	0	0	AF4/FMR2 family member 3 [Source:HGNC Symbol;Acc:HGNC:64	chr2:10016	NM_00102	XM_01151	.	.	NP_00102	XP_005264	protein_co	ENSG0000	3899	6473
AFF4	9.59975	9.65072	10.9231	8.55107	11.2686	12.4866	AF4/FMR2 family member 4 [Source:HGNC Symbol;Acc:HGNC:17	chr5:13221	NM_01442	XM_00671	.	.	NP_05523	XP_005272	protein_co	ENSG0000	27125	17869
AFG3L2	36.0704	39.0994	34.5183	40.9716	37.5222	31.3609	AFG3 like matrix AAA peptidase subunit 2 [Source:HGNC Symbol;	chr18:1230	NM_00679	XM_01152	.	.	NP_00678	XP_011523	protein_co	ENSG0000	10939	315
AFM	0	0	0	0	0	0	afamin [Source:HGNC Symbol;Acc:HGNC:316]	chr4:74347	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	173	316
AFMID	40.97	42.8214	43.8269	45.5414	46.1741	38.2349	arylformamidase [Source:HGNC Symbol;Acc:HGNC:20910]	chr17:7618	NM_00101	XM_01152	.	.	NP_00101	XP_011522	protein_co	ENSG0000	125061	20910
AFP	0	0	0	0	0	0	alpha fetoprotein [Source:HGNC Symbol;Acc:HGNC:317]	chr4:74301	NM_00113	XM_01153	.	.	NP_00112	.	protein_co	ENSG0000	174	317
AFTPH	12.7799	13.7044	11.0288	10.491	13.1644	14.8185	aftiphilin [Source:HGNC Symbol;Acc:HGNC:25951]	chr2:64751	NM_00100	XM_00526	.	.	NP_00100	XP_005264	protein_co	ENSG0000	54812	25951
AGA	3.10803	3.0995	2.6221	3.29856	3.06718	4.41722	aspartylglucosaminidase [Source:HGNC Symbol;Acc:HGNC:318]	chr4:17835	NM_00002	.	.	.	NP_00001	.	protein_co	ENSG0000	175	318
AGAP1	7.69269	8.65887	9.16092	7.87809	8.68037	9.1578	ArfGAP with GTPase domain, ankyrin repeat and PH domain 1 [Sc	chr2:23640	NM_00103	XM_01151	.	.	NP_00103	XP_005246	protein_co	ENSG0000	116987	16922
AGAP10	0.027708	0	0.024006	0	0.03162	0.01429	ArfGAP with GTPase domain, ankyrin repeat and PH domain 9 [Sc	chr10:4719	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	642517	23463
AGAP2	6.73189	6.97235	6.68088	7.59461	7.34773	6.02815	ArfGAP with GTPase domain, ankyrin repeat and PH domain 2 [Sc	chr12:5811	NM_00112	XM_00526	.	.	NP_00111	XP_005268	protein_co	ENSG0000	116986	16921
AGAP3	29.3037	29.1661	28.2829	31.6118	32.304	24.2873	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3 [Sc	chr7:15078	NM_00104	XM_01701	.	.	NP_00103	XP_005249	protein_co	ENSG0000	116988	16923
AGAP4	0.563874	0.499927	0.400027	0.534037	0.731644	0.43781	ArfGAP with GTPase domain, ankyrin repeat and PH domain 4 [Sc	chr10:4632	NM_00127	XM_00671	.	.	NP_00126	XP_016871	protein_co	ENSG0000	119016	23459
AGAP5	1.07428	1.21944	1.18926	1.09369	1.45757	1.62287	ArfGAP with GTPase domain, ankyrin repeat and PH domain 5 [Sc	chr10:7543	NM_00114	.	.	.	NP_00113	XP_016854	protein_co	ENSG0000	729092	23467

AGAP6	5.4274	5.44655	5.19965	5.75364	5.32238	4.3215	ArfGAP with GTPase domain, ankyrin repeat and PH domain 6 [Sc	chr10:5174	NM_00107	XM_01701	.	.	NP_00107	XP_011538	protein_co	ENSG0000	414189	23466
AGAP8	0.226173	0.168809	0.152314	0.192765	0.187801	0.230329	ArfGAP with GTPase domain, ankyrin repeat and PH domain 8 [Sc	chr10:5122	NM_00127	XM_00527	.	.	NP_00126	XP_005277	protein_co	ENSG0000	119016	23464
AGAP9	0.100269	0.172152	0.058119	0.184332	0.303315	0.06968	ArfGAP with GTPase domain, ankyrin repeat and PH domain 9 [Sc	chr10:4818	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	642517	23463
AGBL1	0	0	0	0	0	0	Cytosolic carboxypeptidase 4 [Source:UniProtKB/Swiss-Prot;Acc:	chr15:8662	NM_15233	XM_01152	.	.	.	XP_011519	protein_co	ENSG0000	123624	.
AGBL2	0	0	0	0	0	0	ATP/GTP binding protein like 2 [Source:HGNC Symbol;Acc:HGNC:	chr11:4768	NM_02478	XM_01152	.	XR_428852	NP_07905	XP_005253	protein_co	ENSG0000	79841	26296
AGBL3	0.156977	0.120428	0.069404	0.121937	0.232233	0.036639	ATP/GTP binding protein like 3 [Source:HGNC Symbol;Acc:HGNC:	chr7:13467	NM_17856	XM_01701	.	.	NP_84865	XP_016867	protein_co	ENSG0000	340351	27981
AGBL4	0	0	0	0	0	0	ATP/GTP binding protein like 4 [Source:HGNC Symbol;Acc:HGNC:	chr1:48998	NM_03278	XM_01154	.	.	NP_00131	XP_011540	protein_co	ENSG0000	84871	25892
AGBL5	12.758	13.5264	18.8953	13.4134	12.5822	13.8608	ATP/GTP binding protein like 5 [Source:HGNC Symbol;Acc:HGNC:	chr2:27274	NM_00103	XM_01153	.	.	NP_00103	XP_005264	protein_co	ENSG0000	60509	26147
AGER	2.11434	2.9621	2.86931	2.973	2.20692	5.08091	advanced glycosylation end-product specific receptor [Source:HG	chr6:32148	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	177	320
AGFG1	28.1227	26.1248	24.8221	32.5476	35.9515	30.8843	ArfGAP with FG repeats 1 [Source:HGNC Symbol;Acc:HGNC:5175]	chr2:22833	NM_00113	XM_01151	.	.	NP_00112	XP_005246	protein_co	ENSG0000	3267	5175
AGFG2	2.72714	2.59456	2.81173	2.19442	2.20604	1.83606	ArfGAP with FG repeats 2 [Source:HGNC Symbol;Acc:HGNC:5177]	chr7:10013	NM_00607	XM_01701	.	.	NP_00606	XP_005250	protein_co	ENSG0000	3268	5177
AGGF1	9.20071	9.40745	9.9677	8.69365	9.75384	12.818	angiogenic factor with G-patch and FHA domains 1 [Source:HGNC	chr5:76326	NM_01804	.	.	.	NP_06051	.	protein_co	ENSG0000	55109	24684
AGK	15.9241	19.7118	16.3082	21.0019	19.4211	18.1684	acylglycerol kinase [Source:HGNC Symbol;Acc:HGNC:21869]	chr7:14125	NM_01823	XM_01151	.	.	NP_06070	XP_011514	protein_co	ENSG0000	55750	21869
AGL	7.21071	7.25598	9.17005	8.15149	9.63537	9.77625	amylo-alpha-1, 6-glucosidase, 4-alpha-glucanotransferase [Source	chr1:10031	NM_00002	XM_00527	.	.	NP_00001	XP_005270	protein_co	ENSG0000	178	321
AGMAT	0	0.071894	0	0	0	0	agmatinase [Source:HGNC Symbol;Acc:HGNC:18407]	chr1:15853	NM_02475	.	.	.	NP_07903	.	protein_co	ENSG0000	79814	18407
AGMO	0	0	0	0	0	0.036746	alkylglycerol monooxygenase [Source:HGNC Symbol;Acc:HGNC:3	chr7:15239	NM_00100	XM_01151	.	.	NP_00100	XP_006715	protein_co	ENSG0000	392636	33784
AGO1	9.46207	9.89823	10.6601	9.3612	10.0673	9.74687	argonaute 1, RISC catalytic component [Source:HGNC Symbol;Acc	chr1:36335	NM_01219	XM_01154	.	.	NP_00130	XP_011539	protein_co	ENSG0000	26523	3262
AGO2	20.9239	22.6101	23.5047	18.95	22.9421	27.5067	argonaute 2, RISC catalytic component [Source:HGNC Symbol;Acc	chr8:14153	NM_00116	XM_01701	.	.	NP_00115	XP_011515	protein_co	ENSG0000	27161	3263
AGO3	5.72924	5.38549	4.46389	4.86632	4.96734	5.81866	argonaute 3, RISC catalytic component [Source:HGNC Symbol;Acc	chr1:36396	NM_02485	XM_01700	.	.	NP_07912	XP_005270	protein_co	ENSG0000	192669	18421
AGO4	2.85792	2.96969	3.67737	2.49595	2.70376	4.47548	argonaute 4, RISC catalytic component [Source:HGNC Symbol;Acc	chr1:36273	NM_01762	XM_00527	.	.	NP_06009	XP_005270	protein_co	ENSG0000	192670	18424
AGPAT1	40.4528	41.2818	38.9958	48.4982	41.3771	37.4537	1-acylglycerol-3-phosphate O-acyltransferase 1 [Source:HGNC Sy	chr6:32132	NM_00641	XM_01151	NR_10677	.	NP_00640	XP_005248	protein_co	ENSG0000	10246619	324
AGPAT2	50.4811	52.8915	43.1363	55.1611	43.0833	38.5862	1-acylglycerol-3-phosphate O-acyltransferase 2 [Source:HGNC Sy	chr9:13956	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	10555	325
AGPAT3	23.1599	24.3373	20.8712	20.1901	21.7206	15.1932	1-acylglycerol-3-phosphate O-acyltransferase 3 [Source:HGNC Sy	chr21:4528	NM_00103	XM_01152	.	.	NP_00103	XP_005261	protein_co	ENSG0000	56894	326
AGPAT4	3.58436	5.5399	4.16467	3.57706	1.92726	4.9962	1-acylglycerol-3-phosphate O-acyltransferase 4 [Source:HGNC Sy	chr6:16155	NM_02013	XM_01701	.	.	NP_06451	XP_005267	protein_co	ENSG0000	56895	20885
AGPAT5	38.8055	38.1205	43.7508	41.4984	48.2397	63.0003	1-acylglycerol-3-phosphate O-acyltransferase 5 [Source:HGNC Sy	chr8:65658	NM_01836	.	.	.	NP_06083	.	protein_co	ENSG0000	55326	20886
AGPS	17.8282	18.632	14.317	16.2786	18.4159	16.2441	alkylglycerone phosphate synthase [Source:HGNC Symbol;Acc:HG	chr2:17809	NM_00365	XM_01151	.	.	NP_00365	XP_011510	protein_co	ENSG0000	8540	327
AGR2	0	0.040526	0	0	0	0	anterior gradient 2, protein disulphide isomerase family member	chr7:16831	NM_00640	XM_00524	.	.	NP_00639	XP_005249	protein_co	ENSG0000	10551	328
AGR3	0	0	0	0	0	0	anterior gradient 3, protein disulphide isomerase family member	chr7:16899	NM_17681	XM_01151	.	.	NP_78978	XP_005249	protein_co	ENSG0000	155465	24167
AGRN	22.0391	23.1597	24.7856	28.6188	26.5618	33.5187	agrin [Source:HGNC Symbol;Acc:HGNC:329]	chr1:95550	NM_00130	XM_01154	.	.	NP_00129	XP_005244	protein_co	ENSG0000	375790	329
AGRP	0	0	0	0	0	0	agouti related neuropeptide [Source:HGNC Symbol;Acc:HGNC:33	chr16:6751	NM_00113	XM_01152	.	.	NP_00112	XP_011521	protein_co	ENSG0000	181	330
AGT	0	0.069993	0.059686	0	0.039851	0	angiotensinogen [Source:HGNC Symbol;Acc:HGNC:333]	chr1:23083	NM_00002	.	.	.	NP_00002	.	protein_co	ENSG0000	183	333
AGTPBP1	6.67484	5.91713	6.58762	4.54718	6.28408	9.40676	ATP/GTP binding protein 1 [Source:HGNC Symbol;Acc:HGNC:1725	chr9:88161	NM_00128	XM_01701	.	.	NP_00127	XP_005251	protein_co	ENSG0000	23287	17258
AGTR1	0	0	0	0	0	0	angiotensin II receptor type 1 [Source:HGNC Symbol;Acc:HGNC:3	chr3:14841	NM_00068	.	.	.	NP_00067	.	protein_co	ENSG0000	185	336
AGTR2	0	0	0	0	0	0	angiotensin II receptor type 2 [Source:HGNC Symbol;Acc:HGNC:3	chrX:11530	NM_00068	XM_01153	.	.	NP_00067	XP_011535	protein_co	ENSG0000	186	338
AGTRAP	47.953	49.1809	42.6057	49.9286	37.0313	31.1805	angiotensin II receptor associated protein [Source:HGNC Symbol;	chr1:11796	NM_00104	XM_01154	.	.	NP_00103	XP_011540	protein_co	ENSG0000	57085	13539
AGXT	0	0	0	0	0	0	alanine-glyoxylate aminotransferase [Source:HGNC Symbol;Acc:H	chr2:24180	NM_00003	.	.	.	NP_00002	.	protein_co	ENSG0000	189	341
AGXT2	0	0	0	0	0	0	alanine--glyoxylate aminotransferase 2 [Source:HGNC Symbol;Acc	chr5:34998	NM_03190	XM_01151	.	.	NP_00129	XP_005248	protein_co	ENSG0000	64902	14412
AHCTF1	15.0842	14.8127	15.853	13.8967	17.7958	16.2083	AT-hook containing transcription factor 1 [Source:HGNC Symbol;A	chr1:24700	NM_00132	XM_01154	.	.	NP_00131	XP_006711	protein_co	ENSG0000	25909	24618
AHCY	186.587	180.908	219.831	223.924	189.609	181.233	adenosylhomocysteinase [Source:HGNC Symbol;Acc:HGNC:343]	chr20:3286	NM_00068	XM_01152	.	.	NP_00067	XP_005260	protein_co	ENSG0000	191	343
AHCYL1	40.8816	38.8714	45.0777	40.3252	44.9719	54.7302	adenosylhomocysteinase like 1 [Source:HGNC Symbol;Acc:HGNC:	chr1:11052	NM_00124	XM_01154	.	.	NP_00122	XP_011538	protein_co	ENSG0000	10768	344
AHCYL2	6.14418	6.02782	8.09717	6.02897	5.28896	6.78603	adenosylhomocysteinase like 2 [Source:HGNC Symbol;Acc:HGNC:	chr7:12886	NM_00113	XM_01701	.	.	NP_00112	XP_005250	protein_co	ENSG0000	23382	22204
AHDC1	7.31179	7.55688	8.61608	6.55114	7.70074	5.52311	AT-hook DNA binding motif containing 1 [Source:HGNC Symbol;A	chr1:27860	NM_00102	XM_01154	.	.	NP_00102	XP_005245	protein_co	ENSG0000	27245	25230
AHI1	4.62679	4.79868	5.79708	2.78053	3.83918	4.32743	Abelson helper integration site 1 [Source:HGNC Symbol;Acc:HGN	chr6:13560	NM_00113	XM_01701	.	.	NP_00112	XP_011534	protein_co	ENSG0000	54806	21575
AHNAK	43.0537	46.9498	48.1284	30.1259	33.1019	39.8257	AHNAK nucleoprotein [Source:HGNC Symbol;Acc:HGNC:347]	chr11:6220	NM_00162	XM_01154	.	.	NP_00161	XP_005274	protein_co	ENSG0000	79026	347
AHNAK2	15.9947	16.6181	26.4827	9.45033	9.64294	13.2079	AHNAK nucleoprotein 2 [Source:HGNC Symbol;Acc:HGNC:20125]	chr14:1053	NM_13842	XM_00526	.	.	NP_61242	XP_005267	protein_co	ENSG0000	113146	20125
AHR	9.29605	9.68633	9.15454	7.86947	8.76334	10.6405	aryl hydrocarbon receptor [Source:HGNC Symbol;Acc:HGNC:348]	chr7:17338	NM_00162	.	.	.	NP_00161	.	protein_co	ENSG0000	196	348
AHRR	9.07865	8.07093	5.82023	8.17898	8.0724	5.75021	aryl-hydrocarbon receptor repressor [Source:HGNC Symbol;Acc:H	chr5:27173	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	57491	346
AHSA1	174.038	170.344	120.639	220.889	187.569	103.059	activator of Hsp90 ATPase activity 1 [Source:HGNC Symbol;Acc:H	chr14:7792	NM_01211	XM_01153	.	.	NP_00130	XP_011534	protein_co	ENSG0000	10598	1189
AHSA2	10.6679	9.89112	11.8261	7.20408	6.31794	6.74198	AHA1, activator of heat shock 90kDa protein ATPase homolog 2 (	chr2:61404	NM_00132	XM_01153	.	.	NP_00130	XP_011530	protein_co	ENSG0000	130872	20437
AHSG	0.096931	0.197006	0.197186	0.211648	0.522682	0.291645	alpha 2-HS glycoprotein [Source:HGNC Symbol;Acc:HGNC:349]	chr3:18633	NM_00162	.	.	.	NP_00161	.	protein_co	ENSG0000	197	349
AHSP	0	0	0	0	0	0	alpha hemoglobin stabilizing protein [Source:HGNC Symbol;Acc:H	chr16:3153	NM_00131	XM_00525	.	.	NP_00130	XP_005255	protein_co	ENSG0000	51327	18075
AICDA	0	0	0	0	0	0	activation induced cytidine deaminase [Source:HGNC Symbol;Acc	chr12:8754	NM_02066	XM_01152	.	.	NP_06571	XP_011519	protein_co	ENSG0000	57379	13203
AIDA	12.5042	11.936	11.8592	10.0161	13.0354	16.8864	axin interactor, dorsalization associated [Source:HGNC Symbol;A	chr1:22284	NM_02283	.	.	.	NP_07374	.	protein_co	ENSG0000	64853	25761
AIF1	0.160744	0	0	0	0	0.16562	allograft inflammatory factor 1 [Source:HGNC Symbol;Acc:HGNC:	chr6:31582	NM_00131	XM_00524	.	.	NP_00130	.	protein_co	ENSG0000	199	352
AIF1L	19.6181	18.1575	24.3817	25.9017	24.0912	23.0901	allograft inflammatory factor 1 like [Source:HGNC Symbol;Acc:HG	chr9:13397	NM_00118	XM_01701	.	.	NP_00117	XP_016870	protein_co	ENSG0000	83543	28904
AIFM1	32.1715	28.9158	31.5683	30.564	28.4239	27.059	apoptosis inducing factor, mitochondria associated 1 [Source:HG	chrX:12926	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	9131	8768
AIFM2	18.8159	18.9221	13.0385	21.241	18.8428	14.4947	apoptosis inducing factor, mitochondria associated 2 [Source:HG	chr10:7181	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	84883	21411
AIFM3	1.23185	1.36686	1.38112	1.21551	0.904141	0.78688	apoptosis inducing factor, mitochondria associated 3 [Source:HG	chr22:2131	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	150209	26398
AIG1	28.9754	33.5681	34.2645	36.1407	26.0114	40.2156	androgen induced 1 [Source:HGNC Symbol;Acc:HGNC:21607]	chr6:14338	NM_00128	XM_01153	.	.	NP_00127	XP_005267	protein_co	ENSG0000	51390	21607

AIM1	3.98978	4.21933	5.2275	4.33959	5.25144	4.98719	absent in melanoma 1 [Source:HGNC Symbol;Acc:HGNC:356]	chr6:10680	NM_00162	XM_00526	.	.	NP_00161	XP_00526	protein_co	ENSG0000	202	356
AIM1L	1.24079	1.52262	1.65764	2.51588	1.8525	2.17574	absent in melanoma 1-like [Source:HGNC Symbol;Acc:HGNC:1729	chr1:26648	NM_00103	XM_01154	.	.	NP_00103	XP_00524	protein_co	ENSG0000	55057	17295
AIM2	0	0	0	0	0	0	absent in melanoma 2 [Source:HGNC Symbol;Acc:HGNC:357]	chr1:15903	NM_00483	XM_00524	.	.	NP_00482	XP_00524	protein_co	ENSG0000	9447	357
AIMP1	34.0164	31.7493	26.6652	35.2317	32.0717	27.5907	aminoacyl tRNA synthetase complex interacting multifunctional p	chr4:10696	NM_00114	.	.	.	NP_00113	XP_01686	protein_co	ENSG0000	9255	10648
AIMP2	56.4564	58.3771	49.3798	62.2585	47.8112	45.0583	aminoacyl tRNA synthetase complex interacting multifunctional p	chr7:60488	NM_00630	XM_00524	.	.	NP_00131	XP_00524	protein_co	ENSG0000	7965	20609
AIP	26.3356	27.4115	23.9334	28.9123	22.4295	18.5406	aryl hydrocarbon receptor interacting protein [Source:HGNC Sym	chr11:6729	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	9049	358
AIPL1	0	0	0.023415	0	0	0	aryl hydrocarbon receptor interacting protein like 1 [Source:HGN	chr17:6327	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	23746	359
AIRE	0	0	0	0	0	0	autoimmune regulator [Source:HGNC Symbol;Acc:HGNC:360]	chr21:4570	NM_00038	XM_01152	.	.	NP_00037	.	protein_co	ENSG0000	326	360
AJAP1	0	0	0	0	0	0	adherens junctions associated protein 1 [Source:HGNC Symbol;A	chr1:47147	NM_00104	XM_01154	.	.	NP_00103	XP_01154	protein_co	ENSG0000	55966	30801
AJUBA	15.9987	17.5016	13.4303	15.6301	15.2005	23.0033	ajuba LIM protein [Source:HGNC Symbol;Acc:HGNC:20250]	chr14:2341	NM_03287	.	.	.	NP_11626	.	protein_co	ENSG0000	84962	20250
AK1	36.2184	35.929	34.9311	41.8673	30.0723	26.3019	adenylate kinase 1 [Source:HGNC Symbol;Acc:HGNC:361]	chr9:13062	NM_00047	XM_01151	.	.	NP_00046	XP_00525	protein_co	ENSG0000	203	361
AK2	117.506	128.066	111.069	119.863	115.411	101.106	adenylate kinase 2 [Source:HGNC Symbol;Acc:HGNC:362]	chr1:33473	NM_00119	XM_01154	.	.	NP_00118	XP_01153	protein_co	ENSG0000	204	362
AK3	24.9865	27.5414	37.2343	31.9249	31.5505	38.5882	adenylate kinase 3 [Source:HGNC Symbol;Acc:HGNC:17376]	chr9:47095	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	50808	17376
AK4	17.9156	17.8465	23.4772	19.2184	22.2008	15.2911	adenylate kinase 4 [Source:HGNC Symbol;Acc:HGNC:363]	chr1:65613	NM_00100	XM_01700	.	.	NP_00100	XP_01685	protein_co	ENSG0000	205	363
AK5	0.021181	0	0.15471	0.386658	0.023823	0.350983	adenylate kinase 5 [Source:HGNC Symbol;Acc:HGNC:365]	chr1:77747	NM_01209	XM_01700	.	.	NP_03622	XP_00527	protein_co	ENSG0000	26289	365
AK6	18.1568	13.1983	17.877	20.2782	34.2594	30.8106	adenylate kinase 6 [Source:HGNC Symbol;Acc:HGNC:49151]	chr5:68646	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	10215740	49151
AK7	1.18188	0.921632	1.45247	1.47932	1.92609	2.10404	adenylate kinase 7 [Source:HGNC Symbol;Acc:HGNC:20091]	chr14:9685	NM_15232	XM_01153	.	.	NP_68954	XP_00672	protein_co	ENSG0000	122481	20091
AK8	0.82938	0.484072	0.896036	0.48738	0.518167	0.783318	adenylate kinase 8 [Source:HGNC Symbol;Acc:HGNC:26526]	chr9:13560	NM_15257	XM_01151	.	.	NP_68978	XP_00527	protein_co	ENSG0000	158067	26526
AK9	1.01309	1.01878	0.968317	0.83235	0.729981	0.963996	adenylate kinase 9 [Source:HGNC Symbol;Acc:HGNC:33814]	chr6:10981	NM_00114	XM_01701	.	.	NP_00113	XP_00671	protein_co	ENSG0000	221264	33814
AKAIN1	0	0	0	0	0	0	A kinase (PRKA) anchor inhibitor 1 [Source:HGNC Symbol;Acc:HG	chr18:5145	NM_00114	XM_01152	.	.	NP_00113	XP_01152	protein_co	ENSG0000	642597	28285
AKAP1	33.3566	33.0286	27.9208	32.9885	31.294	24.4017	A-kinase anchoring protein 1 [Source:HGNC Symbol;Acc:HGNC:36	chr17:5516	NM_00124	XM_01152	.	.	NP_00122	XP_00525	protein_co	ENSG0000	8165	367
AKAP10	10.5192	9.96415	10.0057	8.05767	9.82014	11.4576	A-kinase anchoring protein 10 [Source:HGNC Symbol;Acc:HGNC:3	chr17:1980	NM_00720	XM_00672	.	.	NP_00913	XP_00672	protein_co	ENSG0000	11216	368
AKAP11	7.56475	7.68957	9.7979	5.96678	8.40682	8.56377	A-kinase anchoring protein 11 [Source:HGNC Symbol;Acc:HGNC:3	chr13:4284	NM_01624	XM_01702	.	.	NP_05733	XP_00526	protein_co	ENSG0000	11215	369
AKAP12	349.562	366.201	552.934	310.285	339.775	308.334	A-kinase anchoring protein 12 [Source:HGNC Symbol;Acc:HGNC:3	chr6:15156	NM_00510	XM_01701	.	.	NP_00509	XP_00526	protein_co	ENSG0000	9590	370
AKAP13	5.512	6.30412	6.61715	4.7045	5.53686	7.06613	A-kinase anchoring protein 13 [Source:HGNC Symbol;Acc:HGNC:3	chr15:8592	NM_00127	.	NR_10699	.	NP_00125	.	protein_co	ENSG0000	10246580	371
AKAP14	0	0.090107	0.108565	0	0	0	A-kinase anchoring protein 14 [Source:HGNC Symbol;Acc:HGNC:2	chrX:11902	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	158798	24061
AKAP17A	2.02986	3.17041	2.45582	2.65141	2.26043	2.44809	A-kinase anchoring protein 17A [Source:HGNC Symbol;Acc:HGNC	chrX:17104	NM_00508	.	.	.	NP_00507	.	protein_co	ENSG0000	8227	18783
AKAP2	12.7778	14.471	15.6096	17.0283	19.0645	18.8298	A-kinase anchoring protein 2 [Source:HGNC Symbol;Acc:HGNC:37	chr9:11240	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	11217	372
AKAP3	1.26082	1.0134	1.18067	1.08287	1.22449	1.72289	A-kinase anchoring protein 3 [Source:HGNC Symbol;Acc:HGNC:37	chr12:4724	NM_00127	XM_01152	.	.	NP_00126	XP_00525	protein_co	ENSG0000	10566	373
AKAP4	0	0	0	0	0	0	A-kinase anchoring protein 4 [Source:HGNC Symbol;Acc:HGNC:37	chrX:49955	NM_00388	.	.	.	NP_00387	.	protein_co	ENSG0000	8852	374
AKAP5	0.457832	0.193225	0.077612	0.088126	0.196105	0.133026	A-kinase anchoring protein 5 [Source:HGNC Symbol;Acc:HGNC:37	chr14:6485	NM_00485	.	.	.	NP_00484	.	protein_co	ENSG0000	9495	375
AKAP6	0.318384	0.338605	0.617992	0.33605	0.245006	0.407199	A-kinase anchoring protein 6 [Source:HGNC Symbol;Acc:HGNC:37	chr14:3279	NM_00427	XM_00526	.	.	NP_00426	XP_01687	protein_co	ENSG0000	9472	376
AKAP7	1.58398	1.94913	1.4581	0.80924	2.46811	1.81966	A-kinase anchoring protein 7 [Source:HGNC Symbol;Acc:HGNC:37	chr6:13145	NM_00484	XM_01701	.	.	NP_00483	XP_00526	protein_co	ENSG0000	9465	377
AKAP8	13.3576	12.7044	11.288	12.6503	11.7875	8.91254	A-kinase anchoring protein 8 [Source:HGNC Symbol;Acc:HGNC:37	chr19:1546	NM_00585	XM_01702	.	.	NP_00584	XP_01688	protein_co	ENSG0000	10270	378
AKAP8L	27.8264	29.2627	30.7222	37.8456	31.8655	35.0898	A-kinase anchoring protein 8 like [Source:HGNC Symbol;Acc:HGN	chr19:1549	NM_00129	XM_00525	.	.	NP_00127	XP_00525	protein_co	ENSG0000	26993	29857
AKAP9	4.40469	4.26427	4.18663	3.21593	4.65496	4.91063	A-kinase anchoring protein 9 [Source:HGNC Symbol;Acc:HGNC:37	chr7:91570	NM_00575	XM_01151	.	.	NP_00574	XP_01686	protein_co	ENSG0000	10142	379
AKIP1	22.5588	24.3785	23.1604	24.6713	24.0421	22.2104	A-kinase interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:1	chr11:8932	NM_00120	XM_01701	.	.	NP_00119	XP_00671	protein_co	ENSG0000	56672	1170
AKIRIN1	46.5249	44.6729	52.7466	47.1131	55.275	65.1268	akirin 1 [Source:HGNC Symbol;Acc:HGNC:25744]	chr1:39456	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	79647	25744
AKIRIN2	25.3521	25.4618	21.1027	25.0813	27.4626	31.6623	akirin 2 [Source:HGNC Symbol;Acc:HGNC:21407]	chr6:88384	NM_01806	.	.	.	NP_06053	.	protein_co	ENSG0000	55122	21407
AKNA	4.75045	4.88844	4.23421	4.70729	4.14765	9.5102	AT-hook transcription factor [Source:HGNC Symbol;Acc:HGNC:24	chr9:11709	NM_00131	XM_01701	.	.	NP_00130	XP_00525	protein_co	ENSG0000	80709	24108
AKNAD1	0.097319	0.101322	0.039989	0.194135	0.02195	0.019782	AKNA domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2839	chr1:10935	NM_15276	.	.	.	NP_68997	.	protein_co	ENSG0000	254268	28398
AKR1A1	109.121	98.2229	88.2525	128.927	101.466	95.4151	aldo-keto reductase family 1 member A1 [Source:HGNC Symbol;A	chr1:46016	NM_00120	XM_01154	.	.	NP_00118	XP_01153	protein_co	ENSG0000	10327	380
AKR1B1	39.1075	40.8229	41.5634	42.0338	31.7335	32.4743	aldo-keto reductase family 1 member B [Source:HGNC Symbol;Ac	chr7:13412	NM_00162	XM_00525	.	.	NP_00161	XP_00525	protein_co	ENSG0000	231	381
AKR1B10	0.606121	0.865092	0.497248	0.798564	0.853305	0.429125	aldo-keto reductase family 1 member B10 [Source:HGNC Symbol;	chr7:13421	NM_02029	XM_01151	.	.	NP_06469	XP_01151	protein_co	ENSG0000	57016	382
AKR1B15	0	0	0	0	0	0	aldo-keto reductase family 1 member B15 [Source:HGNC Symbol;	chr7:13423	NM_00108	XM_01151	.	.	NP_00107	XP_01151	protein_co	ENSG0000	441282	37281
AKR1C1	0.488479	0.086653	0.173115	0.43192	0.219317	0.390891	aldo-keto reductase family 1 member C1 [Source:HGNC Symbol;A	chr10:5005	NM_00135	.	.	.	NP_00134	.	protein_co	ENSG0000	1645	384
AKR1C2	0	0	0	0.173355	0.082918	0.317201	aldo-keto reductase family 1 member C2 [Source:HGNC Symbol;A	chr10:5029	NM_00113	XM_01151	.	.	NP_00112	XP_01151	protein_co	ENSG0000	1646	385
AKR1C3	0.580791	0.648843	1.26702	2.77072	1.35136	3.42693	aldo-keto reductase family 1 member C3 [Source:HGNC Symbol;A	chr10:5091	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	8644	386
AKR1C4	0	0	0	0	0	0	aldo-keto reductase family 1 member C4 [Source:HGNC Symbol;A	chr10:5237	NM_00181	XM_01151	.	.	NP_00180	.	protein_co	ENSG0000	1109	387
AKR1D1	0	0	0	0	0.035864	0.031585	aldo-keto reductase family 1 member D1 [Source:HGNC Symbol;A	chr7:13776	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	6718	388
AKR1E2	1.2666	1.13925	0.791344	0.645196	0.421927	0.673152	aldo-keto reductase family 1 member E2 [Source:HGNC Symbol;A	chr10:4868	NM_00104	XM_01151	.	.	NP_00103	XP_01151	protein_co	ENSG0000	83592	23437
AKR7A2	61.0909	52.4549	56.4456	61.4334	52.8633	52.5902	aldo-keto reductase family 7 member A2 [Source:HGNC Symbol;A	chr1:19630	NM_00368	.	.	.	NP_00130	.	protein_co	ENSG0000	8574	389
AKR7A3	0.5832	1.13946	1.22653	0.623101	0.556306	1.05608	aldo-keto reductase family 7 member A3 [Source:HGNC Symbol;A	chr1:19609	NM_01206	.	.	.	NP_03619	.	protein_co	ENSG0000	22977	390
AKT1	67.8318	67.9882	69.5049	80.1073	71.2305	69.8343	AKT serine/threonine kinase 1 [Source:HGNC Symbol;Acc:HGNC:3	chr14:1052	NM_00101	XM_01153	.	.	NP_00101	XP_00526	protein_co	ENSG0000	207	391
AKT1S1	53.6258	46.6917	38.9578	45.9066	37.3922	33.0828	AKT1 substrate 1 [Source:HGNC Symbol;Acc:HGNC:28426]	chr19:5037	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	84335	28426
AKT2	23.7766	25.6814	26.1272	23.4787	22.5089	20.2269	AKT serine/threonine kinase 2 [Source:HGNC Symbol;Acc:HGNC:3	chr19:4073	NM_00124	XM_01152	.	.	NP_00122	XP_01152	protein_co	ENSG0000	208	392
AKT3	0.21008	0.257497	0.248288	0.164803	0.149507	0.270911	AKT serine/threonine kinase 3 [Source:HGNC Symbol;Acc:HGNC:3	chr1:24341	NM_00120	XM_01154	.	.	NP_00119	XP_00527	protein_co	ENSG0000	10000	393
AKTIP	10.1791	9.14946	8.00732	7.34888	8.79905	12.093	AKT interacting protein [Source:HGNC Symbol;Acc:HGNC:16710]	chr16:5346	NM_00101	XM_00525	.	.	NP_00101	XP_00525	protein_co	ENSG0000	64400	16710
AL021546.6	0.832537	3.13E-06	0.548605	2.27E-06	1.7E-06	2.19E-06	.	chr12:1208	.	.	.	.	.	.	protein_co	ENSG0000	.	.

AL021920.2	0	0	0	0	0	0	family with sequence similarity 231 member B [Source:HGNC Syn	chr1:17060	.	XM_00172	.	.	NP_00129	XP_001721	protein_co	ENSG0000	100133301	49506
AL022328.1	0	0	0	2.91723	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QZK	chr22:5071	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL031320.1	0	0	0	0	0	0	.	chr6:14374	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL031590.1	0	0	0	0	0	0	.	chr22:3965	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL031663.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R2E	chr20:4409	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL035252.1	0	0	0	0	0	0	HCG2018895; Uncharacterized protein [Source:UniProtKB/TrEMI	chr20:2517	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL035406.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QY6	chr1:59228	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL035588.1	0	0	0	0	0	0	.	chr6:41651	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL035681.1	0	0	0	0	0	0	.	chr22:4168	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL049829.1	3.37542	0	2.21672	1.87336	3.71853	1.74543	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R3A	chr14:2377	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL049840.1	0.008638	6.6E-219	8.6E-184	0	0.020748	0.110914	Uncharacterized protein; cDNA FLJ53535 [Source:UniProtKB/TrE	chr14:1040	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL050302.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F5GZX1	chr21:1474	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL050303.1	0	0	0	0	0	0	Uncharacterized protein; cDNA FLJ43689 fis, clone TBAES200355	chr21:1505	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL079342.1	0	0.038074	0.063289	0.040406	0.040839	0.037365	Uncharacterized protein; cDNA FLJ27030 fis, clone SLV07741 [So	chr6:89674	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL096677.1	0	0	0	0	0	0	.	chr20:2333	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL109659.1	0	0	0	0	0	0	HCG1780467; PRO0529; Uncharacterized protein [Source:UniPro	chr1:48569	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL109927.1	0	0	2.09731	0	0	0	HCG2032222; PRO2047; Uncharacterized protein [Source:UniPro	chr1:28157	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL117190.2	0	0	0	0	0	0	.	chr14:1012	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL117190.3	0	0	0	0	0	0	Esophagus cancer-related gene-2 interaction susceptibility protei	chr14:1013	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL118506.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R1J	chr20:6257	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL121895.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R34	chr20:3467	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL121901.1	0	0	0	0	0	0	Nasopharyngeal carcinoma-related protein YH1; Uncharacterized	chr20:3182	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL121963.1	0	0	0	0	0.360681	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H7C467	chr6:11642	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL132989.1	0	0	0	0	0	0	.	chr14:5875	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL133262.1	0	0	0	0	0	0	.	chr6:44355	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL133318.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QYP	chr13:4111	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL133373.1	0.043361	0.044686	0	0.048056	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R20	chr14:9203	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL135998.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H7BYV	chr14:2324	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL136115.1	0	0	0	0	0	0	HCG2032337; PRO1848; Uncharacterized protein [Source:UniPro	chr1:32372	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL136218.1	0.328012	1.75644	8.23E-71	0.340909	2.92013	3.80243	Sarcoma antigen NY-SAR-79; Uncharacterized protein [Source:U	chr13:4988	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL136376.1	0	0.495233	0	0.532385	0.566725	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R1U	chr1:11691	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL136531.1	0	0	0	0	0	0.063591	HCG2043693; Uncharacterized protein [Source:UniProtKB/TrEMI	chr20:1316	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL137002.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R0V	chr13:1137	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL137026.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QY0	chr10:4486	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL138815.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H7BYW	chr13:2594	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL138815.2	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:O00246	chr13:2594	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL138847.1	0	0	0	0	0	0	CDNA FLJ26506 fis, clone KDN07105; Uncharacterized protein [S	chr1:62920	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL139080.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R1P	chr13:2430	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL139333.1	0	0	0	0	0	0	.	chr6:83777	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL158091.1	0	0	0	0	0	0	Protein LOC100509861 [Source:UniProtKB/TrEMBL;Acc:M0R1Y7	chr20:6247	.	XM_00311	.	.	.	XP_00311	protein_co	ENSG0000	100509861	.
AL158147.2	0	0	0	0	0	0	HCG2011465; Uncharacterized protein [Source:UniProtKB/TrEMI	chr9:47928	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL160175.1	0	0	0	0	0	0	.	chr20:3025	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL160274.1	0	0	0	0	0	0	HCG17281; PRO0038; Uncharacterized protein [Source:UniProtK	chr9:35161	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL160286.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R0W	chr1:17933	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL161450.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QZJ	chr9:49852	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL161645.2	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QZJ	chr10:1353	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL161784.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R1V	chr9:12410	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL162389.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F8WER	chr9:11053	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL162407.1	3.00346	0.978702	1.40568	0.322394	2.26236	0.19814	CDNA FLJ20147 fis, clone COL07954; HCG1781466; Uncharacteriz	chr10:1156	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL162424.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QXR	chr9:12513	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL162431.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H0YFY1	chr1:18094	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL353354.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H3BLX2	chr1:28526	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL353354.2	1.16381	0	0.343168	0.845971	0	0.408668	.	chr1:28526	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL353583.1	0	0	0	0	0	0	.	chr10:2398	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL353608.1	0	0	0	0	0	0	HDCMB45P; Uncharacterized protein [Source:UniProtKB/TrEMBI	chr9:70856	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL353698.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7EML2	chrX:56100	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL353791.1	0.028071	0	0.121236	0.065519	0.030381	0.130852	.	chr9:40028	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL354718.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q8TBT3	chr9:45441	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AL354808.2	0	0	0	0	0	0	.	chr13:2026	.	.	.	.	.	.	protein_co	ENSG0000	.	.

AL354898.1	0.034336	0	0	0	0.079718	0.075209	.	chr9:13327	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL355149.2	0	0	0	0	0	0	family with sequence similarity 231 member C [Source:EntrezGen	chr1:16865	.	.	.	.	NP_00129	XP_00672	protein_co	ENSG0000(	729587, 10	.
AL355531.2	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R0Y	chr10:1312	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL356215.1	0	0	0	0	0	0	.	chr11:3515	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL356356.1	0.077755	0.039001	0.033901	0	0.044587	0	Protein LOC100996516 [Source:UniProtKB/TrEMBL;Acc:Q8WYY2	chr1:15052	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL357673.1	1.84439	0.316236	1.41544	0.059883	0.803562	1.56943	CDNA: FLJ21031 fis, clone CAE07336; HCG1780521; Uncharacteri	chr1:54635	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL358113.1	0	0	0	0.649634	0	0	Tight junction protein 2 (Zona occludens 2) isoform 1 variant; Unc	chr9:71736	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL358333.1	0	0	0	0	0	0	HCG2013195; Uncharacterized protein [Source:UniProtKB/TrEMI	chr14:5229	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL358813.2	0.706804	0.595276	0.49724	0.956074	0	0.732664	family with sequence similarity 231, member D [Source:HGNC Sy	chr1:14967	.	.	.	.	.	.	protein_co	ENSG0000(	644634	49509
AL359091.2	0.038553	0.039679	0.033597	0	0	0.039709	CDNA: FLJ21673 fis, clone COL09042; HCG2036511; Uncharacteri	chr9:13106	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL359195.1	0.021678	0	0	0	0	0	Uncharacterized protein; cDNA FLJ46261 fis, clone TESTI4025062	chr10:8200	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL359693.1	0	0	0	0	0	0	.	chr6:82262	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL359736.1	0	0	0	0	0	0	protein PCOTH isoform 1 [Source:RefSeq peptide;Acc:NP_00101	chr13:2488	.	.	.	.	NP_00112	.	protein_co	ENSG0000(	542767	.
AL360181.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R1D	chr10:1351	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL365202.1	0	0.661273	0	0	0	0	Metazoan signal recognition particle RNA [Source:RFAM;Acc:RF0	chr9:32182	.	.	.	.	.	.	misc_RNA	ENSG0000(	.	.
AL390778.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QYD	chr9:13815	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL391152.1	0	0	0	0.090698	0.166358	0	.	chr14:5766	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL441883.1	0.257054	0	0.219861	0	0	0.960217	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R2E	chr6:13615	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL445665.1	0.17568	0.090486	0.226916	0	0.395018	0.092418	.	chr9:69650	.	.	.	.	.	.	transcribed	ENSG0000(	.	.
AL513478.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R30	chr9:43135	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL583828.1	5.43E-45	1.8E-115	3.68E-25	0.425293	1.55E-26	1.23E-26	.	chr6:13358	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL589739.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QY5	chr1:22526	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL589765.1	7.98E-40	0	2.37E-09	0.024573	0	4.3E-08	Uncharacterized protein; cDNA FLJ36032 fis, clone TESTI2017069	chr1:15167	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL590235.1	0	0	0	0	0	1.15E-06	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QXW	chr4:35081	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL590452.1	0.049721	0	0	0	0	0.047244	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QZ7	chr1:14485	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL590483.1	0	0	0	0	0	0	Uncharacterized protein; cDNA FLJ42623 fis, clone BRACE301589	chr1:24422	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL590560.1	0	0	0	0	0	0	HCG1995379; Uncharacterized protein [Source:UniProtKB/TrEMI	chr1:15987	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL590714.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R2L1	chr1:16118	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL590822.1	0.118883	0.192744	0.170457	0.042127	0	0.088866	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F5H5L2	chr1:21433	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL590822.2	0.144874	0.094109	0.123452	0.051308	0	0.054014	Uncharacterized protein; cDNA FLJ36608 fis, clone TRACH201582	chr1:20049	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL591025.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H7BYS0	chr6:15895	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL591479.1	0.035234	0.034407	0.030409	0.113235	0.041171	0.078074	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R1G	chr9:70646	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL591684.1	0	0	0	0	0	0	Protein LOC100996760 [Source:UniProtKB/TrEMBL;Acc:A6NLY1]	chr10:4825	.	.	.	.	.	.	protein_co	ENSG0000(	100996760	.
AL591806.1	0	0	0	0	0	0	Metazoan signal recognition particle RNA [Source:RFAM;Acc:RF0	chr1:16101	.	.	.	.	.	.	misc_RNA	ENSG0000(	.	.
AL592284.1	0.768977	0.317825	0.186878	0.23254	0	0.244436	Protein LOC642441 [Source:UniProtKB/TrEMBL;Acc:F5H305]	chr1:14433	.	.	.	.	.	XP_005273	protein_co	ENSG0000(	730256	.
AL596220.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R1Z	chr1:18634	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL603965.1	0	0	0	0	0	0	Protein LOC100996760 [Source:UniProtKB/TrEMBL;Acc:A6NF06]	chr10:4774	.	XM_00384	.	.	.	XP_005276	protein_co	ENSG0000(	100996760	.
AL606500.1	0	0	0	0	0	0	.	chr1:15455	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL626787.1	0.042959	0.272048	0.11127	0.144609	0.04798	0	.	chr1:16602	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL627171.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H7BY28	chr14:5023	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL627171.2	0	0	0	0	0.076883	0	HCG1786899; PRO2610; Uncharacterized protein [Source:UniPro	chr14:5023	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL627309.1	7.83125	7.86807	7.30038	5.54629	5.57346	7.15693	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:R4GN2	chr1:13490	.	.	.	.	.	XP_005277	protein_co	ENSG0000(	728728	.
AL645608.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R0C	chr1:86111	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL645608.2	0	0	0	0	0	0	.	chr1:81804	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL645730.2	0	0	0	0	0	0	.	chr1:48998	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL645922.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R2J5	chr6:31973	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL646016.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R2V	chr1:24025	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL669831.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QX2	chr1:73853	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL929472.1	0	0	0	0	0	0	.	chr1:38275	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
AL953854.2	0.022967	0	0.118904	0	0	0	.	chr9:47295	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
ALAD	5.90756	6.45389	7.19375	6.5997	5.42958	5.07957	aminolevulinate dehydratase [Source:HGNC Symbol;Acc:HGNC:3	chr9:11614	NM_00003	XM_01151	.	.	NP_00002	XP_011516	protein_co	ENSG0000(	210	395
ALAS1	34.6555	38.5349	34.6867	45.5831	43.4034	41.2499	5'-aminolevulinate synthase 1 [Source:HGNC Symbol;Acc:HGNC:3	chr3:52232	NM_00068	XM_01153	.	.	NP_00067	XP_011531	protein_co	ENSG0000(	211	396
ALAS2	0	0	0	0	0	0	5'-aminolevulinate synthase 2 [Source:HGNC Symbol;Acc:HGNC:3	chrX:55026	NM_00003	XM_01153	.	.	NP_00002	XP_005262	protein_co	ENSG0000(	212	397
ALB	0.039481	0.113357	0.184774	0.060175	0	0.173208	albumin [Source:HGNC Symbol;Acc:HGNC:399]	chr4:74269	NM_00047	.	.	.	NP_00046	.	protein_co	ENSG0000(	213	399
ALCAM	22.5474	18.7738	21.7147	20.1119	22.4946	24.8226	activated leukocyte cell adhesion molecule [Source:HGNC Symbo	chr3:10508	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000(	214	400
ALDH16A1	15.4049	16.8083	12.9357	16.8954	16.6319	10.9739	aldehyde dehydrogenase 16 family member A1 [Source:HGNC Sy	chr19:4994	NM_00114	XM_01152	.	.	NP_00113	XP_011524	protein_co	ENSG0000(	126133	28114
ALDH18A1	43.5146	45.1195	42.8261	49.6193	47.1821	41.665	aldehyde dehydrogenase 18 family member A1 [Source:HGNC Sy	chr10:9736	NM_00101	XM_01154	.	.	NP_00101	XP_006717	protein_co	ENSG0000(	5832	9722
ALDH1A1	0	0	0.03107	0	0	0	aldehyde dehydrogenase 1 family member A1 [Source:HGNC Sym	chr9:75515	NM_00068	.	.	.	NP_00068	.	protein_co	ENSG0000(	216	402
ALDH1A2	0.022284	0.053945	0.077598	0	0.024979	0	aldehyde dehydrogenase 1 family member A2 [Source:HGNC Sym	chr15:5824	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000(	8854	15472

ALDH1A3	111.794	119.398	191.064	99.9239	103.54	62.1156	aldehyde dehydrogenase 1 family member A3 [Source:HGNC Sym	chr15:1014	NM_00069	.	.	.	NP_00068	.	protein_co	ENSG0000	220	409
ALDH1B1	33.6734	35.4212	38.4291	40.4408	42.2881	32.2605	aldehyde dehydrogenase 1 family member B1 [Source:HGNC Sym	chr9:38392	NM_00069	XM_01151	.	.	NP_00068	XP_011516	protein_co	ENSG0000	219	407
ALDH1L1	0.068452	0.11791	0.13861	0.050888	0	0.050404	aldehyde dehydrogenase 1 family member L1 [Source:HGNC Sym	chr3:12582	NM_00127	XM_01151	.	.	NP_00125	XP_006713	protein_co	ENSG0000	10840	3978
ALDH1L2	0.35743	0.487207	0.44846	0.349427	0.497052	1.22163	aldehyde dehydrogenase 1 family member L2 [Source:HGNC Sym	chr12:1053	NM_00103	XM_01701	.	.	NP_00102	XP_011536	protein_co	ENSG0000	160428	26777
ALDH2	15.3958	17.865	18.7959	12.844	11.4829	18.9383	aldehyde dehydrogenase 2 family (mitochondrial) [Source:HGNC	chr12:1121	NM_00069	.	.	.	NP_00068	.	protein_co	ENSG0000	217	404
ALDH3A1	0.931251	0.508176	0.440096	0.510309	0.787891	0.477363	aldehyde dehydrogenase 3 family member A1 [Source:HGNC Sym	chr17:1964	NM_00069	XM_01152	.	.	NP_00068	XP_005256	protein_co	ENSG0000	218	405
ALDH3A2	34.8569	32.272	31.238	37.3866	37.5044	43.8949	aldehyde dehydrogenase 3 family member A2 [Source:HGNC Sym	chr17:1955	NM_00038	XM_01702	.	.	NP_00037	XP_011522	protein_co	ENSG0000	224	403
ALDH3B1	8.66301	9.67604	8.15521	9.62961	9.52623	7.71816	aldehyde dehydrogenase 3 family member B1 [Source:HGNC Sym	chr11:6777	NM_00069	.	.	.	NP_00068	.	protein_co	ENSG0000	221	410
ALDH3B2	0	0	0	0.032884	0.035329	0.06699	aldehyde dehydrogenase 3 family member B2 [Source:HGNC Sym	chr11:6742	NM_00069	XM_01154	.	.	NP_00068	.	protein_co	ENSG0000	222	411
ALDH4A1	9.60981	9.97899	11.5844	13.0141	11.0449	10.1804	aldehyde dehydrogenase 4 family member A1 [Source:HGNC Sym	chr1:19197	NM_00116	XM_01154	.	.	NP_00115	XP_011540	protein_co	ENSG0000	8659	406
ALDH5A1	5.16362	5.03823	6.57911	5.00846	4.99991	4.28923	aldehyde dehydrogenase 5 family member A1 [Source:HGNC Sym	chr6:24495	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	7915	408
ALDH6A1	5.04453	5.04289	6.3582	4.1853	4.83295	5.8248	aldehyde dehydrogenase 6 family member A1 [Source:HGNC Sym	chr14:7448	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	4329	7179
ALDH7A1	29.9759	29.0877	38.7099	30.0866	27.6039	36.4148	aldehyde dehydrogenase 7 family member A1 [Source:HGNC Sym	chr5:12586	NM_00118	XM_01154	.	.	NP_00117	XP_011541	protein_co	ENSG0000	501	877
ALDH8A1	0.439712	0.39054	0.378431	0.441062	0.249679	0.644865	aldehyde dehydrogenase 8 family member A1 [Source:HGNC Sym	chr6:13523	NM_00119	XM_00671	.	.	NP_00118	.	protein_co	ENSG0000	64577	15471
ALDH9A1	33.9349	33.9474	34.8156	36.6875	40.6224	45.0383	aldehyde dehydrogenase 9 family member A1 [Source:HGNC Sym	chr1:16563	NM_00069	XM_01150	.	.	NP_00068	XP_011507	protein_co	ENSG0000	223	412
ALDOA	721.51	768.883	663.758	909.626	756.401	569.175	aldolase, fructose-bisphosphate A [Source:HGNC Symbol;Acc:HGN	chr16:3006	NM_00003	XM_01154	.	.	NP_00002	XP_011544	protein_co	ENSG0000	226	414
ALDOB	0	0	0	0	0	0	aldolase, fructose-bisphosphate B [Source:HGNC Symbol;Acc:HGN	chr9:10418	NM_00003	.	.	.	NP_00002	.	protein_co	ENSG0000	229	417
ALDOC	19.8583	20.4625	43.5128	31.7317	30.0394	40.5033	aldolase, fructose-bisphosphate C [Source:HGNC Symbol;Acc:HGN	chr17:2690	NM_00516	XM_01152	.	.	NP_00515	XP_005258	protein_co	ENSG0000	230	418
ALG1	23.552	22.8748	19.1569	25.4343	22.1581	14.8782	ALG1, chitobiosyldiphosphodolichol beta-mannosyltransferase [S	chr16:5083	NM_01910	XM_01152	.	.	NP_06198	XP_011520	protein_co	ENSG0000	56052	18294
ALG10	6.10259	4.48299	3.24988	3.44487	5.05226	3.80002	ALG10, alpha-1,2-glucosyltransferase [Source:HGNC Symbol;Acc:	chr12:3417	NM_03283	.	.	.	NP_11622	.	protein_co	ENSG0000	84920	23162
ALG10B	2.97312	2.49163	4.29587	2.45792	1.91556	3.38486	ALG10B, alpha-1,2-glucosyltransferase [Source:HGNC Symbol;Acc	chr12:3871	NM_00101	XM_01153	.	.	NP_00101	XP_005268	protein_co	ENSG0000	144245	31088
ALG11	7.03464	8.14712	7.92435	6.54628	9.17363	9.80139	ALG11, alpha-1,2-mannosyltransferase [Source:HGNC Symbol;Acc	chr13:5258	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	440138	32456
ALG12	4.23482	4.01418	3.6725	5.19359	4.26058	3.106	ALG12, alpha-1,6-mannosyltransferase [Source:HGNC Symbol;Acc	chr22:5029	NM_02410	XM_01153	.	.	NP_07701	XP_011528	protein_co	ENSG0000	79087	19358
ALG13	27.2257	24.5044	27.1962	26.4475	28.1525	23.0445	ALG13, UDP-N-acetylglucosaminyltransferase subunit [Source:HG	chrX:11092	NM_00103	XM_01153	.	.	NP_00103	XP_005262	protein_co	ENSG0000	79868	30881
ALG14	1.26944	0.877662	0.978674	1.22114	0.99156	1.28244	ALG14, UDP-N-acetylglucosaminyltransferase subunit [Source:HG	chr1:95439	NM_14498	.	.	.	NP_65942	.	protein_co	ENSG0000	199857	28287
ALG1L	0.382433	0.25973	0.218923	0.277346	0.775182	0.267724	ALG1, chitobiosyldiphosphodolichol beta-mannosyltransferase lik	chr3:12564	NM_00101	.	.	.	NP_00101	XP_016861	protein_co	ENSG0000	200810	33721
ALG1L2	0.08338	0.083869	0.144358	0.181092	0.095419	0.178411	ALG1, chitobiosyldiphosphodolichol beta-mannosyltransferase lik	chr3:12980	NM_00113	XM_01151	.	.	NP_00112	.	protein_co	ENSG0000	644974	37258
ALG2	28.2257	28.9297	25.864	30.174	26.162	26.9018	ALG2, alpha-1,3/1,6-mannosyltransferase [Source:HGNC Symbol;	chr9:10197	NM_03308	.	.	.	NP_14907	.	protein_co	ENSG0000	85365	23159
ALG3	41.0232	41.7109	32.784	41.8365	34.9444	22.8323	ALG3, alpha-1,3- mannosyltransferase [Source:HGNC Symbol;Acc	chr3:18396	NM_00100	XM_01151	.	.	NP_00100	XP_011510	protein_co	ENSG0000	10195	23056
ALG5	25.6168	23.1682	19.1046	19.2402	23.4066	20.843	ALG5, dolichyl-phosphate beta-glucosyltransferase [Source:HGNC	chr13:3752	NM_00114	XM_00526	.	.	NP_00113	.	protein_co	ENSG0000	29880	20266
ALG6	7.30815	6.70253	7.69767	5.34295	7.99984	8.80705	ALG6, alpha-1,3-glucosyltransferase [Source:HGNC Symbol;Acc:H	chr1:63833	NM_01333	.	.	.	NP_03747	.	protein_co	ENSG0000	29929	23157
ALG8	22.008	19.2162	22.7063	26.544	25.1529	22.8777	ALG8, alpha-1,3-glucosyltransferase [Source:HGNC Symbol;Acc:H	chr11:7781	NM_00100	XM_01154	.	.	NP_00100	XP_005274	protein_co	ENSG0000	79053	23161
ALG9	9.3088	10.8312	8.8307	9.25208	9.54482	10.4362	ALG9, alpha-1,2-mannosyltransferase [Source:HGNC Symbol;Acc:	chr11:1116	NM_00107	XM_01154	.	.	NP_00107	XP_005277	protein_co	ENSG0000	79796	15672
ALK	0	0	0	0	0	0	anaplastic lymphoma receptor tyrosine kinase [Source:HGNC Sym	chr2:29415	NM_00430	.	.	.	NP_00429	.	protein_co	ENSG0000	238	427
ALKBH1	8.88773	9.47158	9.03803	9.52169	9.72708	7.01463	alkB homolog 1, histone H2A dioxygenase [Source:HGNC Symbol;	chr14:7813	NM_00602	.	.	.	NP_00601	.	protein_co	ENSG0000	8846	17911
ALKBH2	27.1396	29.9168	31.6286	29.6345	29.1007	18.9758	alkB homolog 2, alpha-ketoglutarate dependent dioxygenase [So	chr12:1095	NM_00100	XM_00525	.	.	NP_00100	XP_005253	protein_co	ENSG0000	121642	32487
ALKBH3	10.9012	11.373	9.92295	12.1325	10.4527	9.39277	alkB homolog 3, alpha-ketoglutaratedependent dioxygenase [Sou	chr11:4390	NM_13917	.	.	.	NP_63191	.	protein_co	ENSG0000	221120	30141
ALKBH4	9.83786	10.957	9.47862	12.8943	10.3684	8.60844	alkB homolog 4, lysine demethylase [Source:HGNC Symbol;Acc:H	chr7:10207	NM_01762	XM_00525	.	.	NP_06009	XP_005250	protein_co	ENSG0000	54784	21900
ALKBH5	50.0227	51.0482	47.8033	50.8287	53.2646	46.7908	alkB homolog 5, RNA demethylase [Source:HGNC Symbol;Acc:HG	chr17:1808	NM_01775	.	.	.	NP_06022	.	protein_co	ENSG0000	54890	25996
ALKBH6	16.6018	16.6534	15.0424	17.3637	13.4524	11.514	alkB homolog 6 [Source:HGNC Symbol;Acc:HGNC:28243]	chr19:3650	NM_00129	XM_00525	.	.	NP_00128	XP_005259	protein_co	ENSG0000	84964	28243
ALKBH7	25.7659	29.3331	31.0653	19.9112	17.8374	18.0659	alkB homolog 7 [Source:HGNC Symbol;Acc:HGNC:21306]	chr19:6372	NM_03230	.	.	.	NP_11568	.	protein_co	ENSG0000	84266	21306
ALKBH8	5.39732	5.64088	4.86144	5.05167	6.24701	5.50588	alkB homolog 8, tRNA methyltransferase [Source:HGNC Symbol;A	chr11:1073	NM_00130	XM_00527	.	.	NP_00128	XP_005271	protein_co	ENSG0000	91801	25189
ALLC	0	0	0	0	0.054393	0	allantoicase [Source:HGNC Symbol;Acc:HGNC:17377]	chr2:37057	NM_01843	XM_01151	.	.	NP_06090	XP_011508	protein_co	ENSG0000	55821	17377
ALMS1	4.00388	3.93331	4.32381	2.9924	4.0166	3.8765	ALMS1, centrosome and basal body associated protein [Source:H	chr2:73612	NM_01512	.	.	.	NP_05593	.	protein_co	ENSG0000	7840	428
ALOX12	0	0	0.026973	0	0	0.101499	arachidonate 12-lipoxygenase, 12S type [Source:HGNC Symbol;Ac	chr17:6899	NM_00069	XM_01152	.	.	NP_00068	XP_011522	protein_co	ENSG0000	239	429
ALOX12B	0.613753	0.639661	0.662911	0.936997	0.373197	0.564743	arachidonate 12-lipoxygenase, 12R type [Source:HGNC Symbol;A	chr17:7975	NM_00113	.	.	.	NP_00113	.	protein_co	ENSG0000	242	430
ALOX15	0.180698	0.152078	0.440671	0.098452	0.076036	0.352952	arachidonate 15-lipoxygenase [Source:HGNC Symbol;Acc:HGNC:4	chr17:4534	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	246	433
ALOX15B	0.044637	0.08936	0.164929	0	0	0.034453	arachidonate 15-lipoxygenase, type B [Source:HGNC Symbol;Acc:	chr17:7942	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	247	434
ALOX5	1.30297	1.28757	1.68154	1.68424	1.61058	1.71918	arachidonate 5-lipoxygenase [Source:HGNC Symbol;Acc:HGNC:43	chr10:4586	NM_00069	XM_01153	.	.	NP_00068	.	protein_co	ENSG0000	240	435
ALOX5AP	0	0.112058	0	0	0.120765	0	arachidonate 5-lipoxygenase activating protein [Source:HGNC Sy	chr13:3128	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	241	436
ALOXE3	3.44128	3.60157	1.76814	1.91773	1.70289	1.30705	arachidonate lipoxygenase 3 [Source:HGNC Symbol;Acc:HGNC:13	chr17:7999	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	59344	13743
ALPI	0	0	0.025905	0	0	0	alkaline phosphatase, intestinal [Source:HGNC Symbol;Acc:HGNC	chr2:23332	NM_00163	.	.	.	NP_00162	.	protein_co	ENSG0000	248	437
ALPK1	3.06846	3.3076	3.11627	3.05604	3.39673	5.08809	alpha kinase 1 [Source:HGNC Symbol;Acc:HGNC:20917]	chr4:11321	NM_00110	XM_01153	.	.	NP_00109	XP_005263	protein_co	ENSG0000	80216	20917
ALPK2	0.015579	0.048737	0.068201	0.008691	0.035113	0.135884	alpha kinase 2 [Source:HGNC Symbol;Acc:HGNC:20565]	chr18:5614	NM_05294	XM_01152	.	.	NP_44317	XP_011524	protein_co	ENSG0000	115701	20565
ALPK3	0.347086	0.297606	0.404744	0.22554	0.188359	0.272337	alpha kinase 3 [Source:HGNC Symbol;Acc:HGNC:17574]	chr15:8535	NM_02077	XM_01702	.	.	NP_06582	XP_016877	protein_co	ENSG0000	57538	17574
ALPL	0.188524	0.125921	0.464409	0.391799	0.505781	0.526206	alkaline phosphatase, liver/bone/kidney [Source:HGNC Symbol;A	chr1:21835	NM_00047	XM_00671	.	.	NP_00046	XP_005245	protein_co	ENSG0000	249	438
ALPP	0	0.024671	0	0.053684	0.058131	0	alkaline phosphatase, placental [Source:HGNC Symbol;Acc:HGNC	chr2:23324	NM_00163	.	.	.	NP_00162	.	protein_co	ENSG0000	250	439
ALPPL2	0.031391	0.030753	0	0	0.036536	0.069926	alkaline phosphatase, placental like 2 [Source:HGNC Symbol;Acc:	chr2:23327	NM_03131	.	.	.	NP_11260	.	protein_co	ENSG0000	251	441
ALS2	8.83833	8.85072	9.64085	8.29421	9.05733	10.5834	ALS2, alsin Rho guanine nucleotide exchange factor [Source:HGN	chr2:20256	NM_00113	XM_01700	.	.	NP_00112	XP_006712	protein_co	ENSG0000	57679	443

ALS2CL	3.18474	2.74001	3.73038	2.02213	1.86483	1.77289	ALS2 C-terminal like [Source:HGNC Symbol;Acc:HGNC:20605]	chr3:4671(	NM_00119	.	.	.	NP_00117	XP_006713	protein_co	ENSG0000(	259173	20605
ALS2CR11	0	0	0	0	0	0	amyotrophic lateral sclerosis 2 chromosome region candidate 11	chr2:2023	NM_00116	XM_01151	.	.	NP_00116	XP_006712	protein_co	ENSG0000(	151254	14438
ALS2CR12	0	0.06915	0.02896	0.071291	0.073574	0.033116	amyotrophic lateral sclerosis 2 chromosome region candidate 12	chr2:2021	NM_00112	XM_01151	NR_11062	.	NP_00112	XP_011508	protein_co	ENSG0000(	130540	14439
ALX1	0	0	0.04717	0	0	0	ALX homeobox 1 [Source:HGNC Symbol;Acc:HGNC:1494]	chr12:8567	NM_00698	XM_00526	.	.	NP_00891	XP_005269	protein_co	ENSG0000(	8092	1494
ALX3	0.093863	0.046463	0	0.050127	0.108057	0.051514	ALX homeobox 3 [Source:HGNC Symbol;Acc:HGNC:449]	chr1:1106(	NM_00649	.	.	.	NP_00648	.	protein_co	ENSG0000(	257	449
ALX4	0	0	0	0	0	0	ALX homeobox 4 [Source:HGNC Symbol;Acc:HGNC:450]	chr11:4428	NM_02192	.	.	.	NP_06874	.	protein_co	ENSG0000(	60529	450
ALYREF	223.71	223.984	165.422	304.667	257.607	187.2	Aly/REF export factor [Source:HGNC Symbol;Acc:HGNC:19071]	chr17:7984	NM_00578	.	.	.	NP_00577	.	protein_co	ENSG0000(	10189	19071
AMACR	4.75071	3.90481	3.32129	3.5926	3.47043	2.92236	alpha-methylacyl-CoA racemase [Source:HGNC Symbol;Acc:HGN(	chr5:33986	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000(	23600	451
AMBN	0	0.046925	0	0	0	0	ameloblastin [Source:HGNC Symbol;Acc:HGNC:452]	chr4:71457	NM_01651	.	.	.	NP_05760	.	protein_co	ENSG0000(	258	452
AMBP	0	0	0.08795	0	0	0.108777	alpha-1-microglobulin/bikunin precursor [Source:HGNC Symbol;A	chr9:11682	NM_00163	.	.	.	NP_00162	.	protein_co	ENSG0000(	259	453
AMBRA1	7.935	7.87305	7.33122	7.00922	7.70355	6.47056	autophagy and beclin 1 regulator 1 [Source:HGNC Symbol;Acc:HG	chr11:4641	NM_00126	XM_00671	.	.	NP_00125	XP_005253	protein_co	ENSG0000(	55626	25990
AMD1	54.1663	59.9065	63.228	71.88	82.5386	77.643	adenosylmethionine decarboxylase 1 [Source:HGNC Symbol;Acc:	chr6:11119	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000(	262	457
AMDHD1	2.37219	2.20522	2.71398	2.85235	2.50814	3.13333	amidohydrolase domain containing 1 [Source:HGNC Symbol;Acc:	chr12:9633	NM_15243	.	.	.	NP_68964	.	protein_co	ENSG0000(	144193	28577
AMDHD2	16.0534	14.3255	14.9776	12.9487	9.60776	7.18922	amidohydrolase domain containing 2 [Source:HGNC Symbol;Acc:	chr16:2525	NM_00114	XM_01702	.	.	NP_00113	XP_016878	protein_co	ENSG0000(	51005	24262
AMELX	0	0	0	0	0	0	amelogenin, X-linked [Source:HGNC Symbol;Acc:HGNC:461]	chrX:11155	NM_00114	XM_01154	.	.	NP_00113	XP_011543	protein_co	ENSG0000(	265	461
AMELY	0	0	0	0	0	0	amelogenin, Y-linked [Source:HGNC Symbol;Acc:HGNC:462]	chrY:67339	NM_00114	XM_01153	.	.	NP_00113	XP_011529	protein_co	ENSG0000(	266	462
AMER1	1.85758	2.43381	1.80572	1.83511	2.08142	1.63124	APC membrane recruitment protein 1 [Source:HGNC Symbol;Acc	chrX:63404	NM_15242	XM_01153	.	.	NP_68963	XP_011529	protein_co	ENSG0000(	139285	26837
AMER2	0	0	0	0	0	0	APC membrane recruitment protein 2 [Source:HGNC Symbol;Acc	chr13:2573	NM_1527(	XM_00671	.	.	NP_68991	XP_005266	protein_co	ENSG0000(	219287	26360
AMER3	0	0	0	0.012868	0	0	APC membrane recruitment protein 3 [Source:HGNC Symbol;Acc	chr2:13151	NM_0011(	XM_01151	.	.	NP_00109	XP_011509	protein_co	ENSG0000(	205147	26771
AMFR	30.5731	30.9456	29.8442	30.6562	27.1091	28.0033	autocrine motility factor receptor [Source:HGNC Symbol;Acc:HGN	chr16:5639	NM_00114	XM_00525	.	.	NP_00113	XP_005255	protein_co	ENSG0000(	267	463
AMH	5.79699	6.27117	6.47334	7.87094	6.74976	13.5429	anti-Mullerian hormone [Source:HGNC Symbol;Acc:HGNC:464]	chr19:2249	NM_00047	.	NR_03620	.	NP_00047	.	protein_co	ENSG0000(	100423031	464
AMHR2	0.043356	0.151447	0.097732	0.048522	0	0	anti-Mullerian hormone receptor type 2 [Source:HGNC Symbol;A	chr12:5381	NM_00116	XM_01153	.	.	NP_00115	XP_011536	protein_co	ENSG0000(	269	465
AMIGO1	0.055348	0.042778	0.058168	0.030512	0.079041	0.035813	adhesion molecule with Ig like domain 1 [Source:HGNC Symbol;A	chr1:11004	NM_0207(	XM_01154	.	.	NP_06575	XP_011540	protein_co	ENSG0000(	57463	20824
AMIGO2	0.769874	1.00427	0.727766	0.803106	1.24307	1.37321	adhesion molecule with Ig like domain 2 [Source:HGNC Symbol;A	chr12:4746	NM_00114	XM_00526	.	.	NP_00113	XP_005268	protein_co	ENSG0000(	347902	24073
AMIGO3	0.00117	5.85E-05	3.76E-09	2.2E-07	1.83E-07	0.455646	adhesion molecule with Ig like domain 3 [Source:HGNC Symbol;A	chr3:49726	NM_19872	.	.	.	NP_94201	.	protein_co	ENSG0000(	386724	24075
AMMECR1	6.29979	6.08307	5.72523	4.54169	6.60994	8.34351	Alport syndrome, mental retardation, midface hypoplasia and ell	chrX:10943	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000(	9949	467
AMMECR1L	11.4459	13.6822	10.9631	12.1851	12.6278	11.9898	AMMECR1 like [Source:HGNC Symbol;Acc:HGNC:28658]	chr2:12861	NM_00119	XM_01151	.	.	NP_00118	XP_005263	protein_co	ENSG0000(	83607	28658
AMN	0.467712	0.315017	0.449796	0.34972	0.237622	0.383636	amnion associated transmembrane protein [Source:HGNC Symbo	chr14:1033	NM_03094	XM_01153	.	.	NP_11220	XP_011535	protein_co	ENSG0000(	81693	14604
AMN1	13.8889	12.4004	19.8823	10.9233	13.6189	25.9594	antagonist of mitotic exit network 1 homolog [Source:HGNC Sym	chr12:3180	NM_00111	.	.	.	NP_00110	XP_016874	protein_co	ENSG0000(	196394	27281
AMOT	1.82805	1.63949	2.4588	1.70582	2.10235	2.84219	angiomotin [Source:HGNC Symbol;Acc:HGNC:17810]	chrX:11201	NM_00111	XM_01153	NR_03625	.	NP_00110	XP_005262	protein_co	ENSG0000(	100423009	17810
AMOTL1	8.25627	8.9231	9.44721	10.369	10.6993	11.3555	angiomotin like 1 [Source:HGNC Symbol;Acc:HGNC:17811]	chr11:9450	NM_0013(	XM_01154	.	.	NP_00128	XP_005273	protein_co	ENSG0000(	154810	17811
AMOTL2	12.869	12.2532	8.90115	10.0165	8.86365	11.4733	angiomotin like 2 [Source:HGNC Symbol;Acc:HGNC:17812]	chr3:13407	NM_00127	XM_01700	.	.	NP_00126	XP_006713	protein_co	ENSG0000(	51421	17812
AMPD1	0	0	0	0	0	0	adenosine monophosphate deaminase 1 [Source:HGNC Symbol;A	chr1:11521	NM_00003	.	.	.	NP_00002	.	protein_co	ENSG0000(	270	468
AMPD2	20.2743	20.0836	17.8768	20.6108	18.6158	13.3452	adenosine monophosphate deaminase 2 [Source:HGNC Symbol;A	chr1:11016	NM_00125	XM_01154	.	.	NP_00124	XP_005270	protein_co	ENSG0000(	271	469
AMPD3	7.29388	7.64555	9.00014	6.32226	6.40704	5.85347	adenosine monophosphate deaminase 3 [Source:HGNC Symbol;A	chr11:1047	NM_00048	.	.	.	NP_00047	.	protein_co	ENSG0000(	272	470
AMPH	0	0	0	0	0	0	amphiphysin [Source:HGNC Symbol;Acc:HGNC:471]	chr7:38423	NM_00163	XM_01151	.	.	NP_00162	XP_006715	protein_co	ENSG0000(	273	471
AMT	1.40325	1.65115	2.63656	1.54014	0.829498	1.93935	aminomethyltransferase [Source:HGNC Symbol;Acc:HGNC:473]	chr3:49454	NM_00048	.	.	.	NP_00047	.	protein_co	ENSG0000(	275	473
AMTN	0	0	0	0	0	0	amelotin [Source:HGNC Symbol;Acc:HGNC:33188]	chr4:71384	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000(	401138	33188
AMY1A	0	0	0	0	0	0	amylase, alpha 1A (salivary) [Source:HGNC Symbol;Acc:HGNC:474	chr1:10419	NM_0010(	.	.	.	NP_00100	.	protein_co	ENSG0000(	276	474
AMY1B	0	0	0	0	0	0	amylase, alpha 1B (salivary) [Source:HGNC Symbol;Acc:HGNC:475	chr1:10423	NM_0010(	XM_01700	.	.	NP_00100	XP_011539	protein_co	ENSG0000(	278	475
AMY1C	0	0	0	0	0	0	amylase, alpha 1C (salivary) [Source:HGNC Symbol;Acc:HGNC:476	chr1:10429	NM_0010(	XM_01154	.	.	NP_00100	XP_011539	protein_co	ENSG0000(	278	476
AMY2A	0	0	0.038457	0	0	0	amylase, alpha 2A (pancreatic) [Source:HGNC Symbol;Acc:HGNC:	chr1:10415	NM_00069	.	.	.	NP_00069	.	protein_co	ENSG0000(	279	477
AMY2B	0.501828	0.677003	0.725522	0.123379	0.385928	0.12187	amylase, alpha 2B (pancreatic) [Source:HGNC Symbol;Acc:HGNC:	chr1:10406	NM_02097	.	.	.	NP_06618	.	protein_co	ENSG0000(	280	478
AMZ1	0	0	0	0	0	0	archaelysin family metallopeptidase 1 [Source:HGNC Symbol;Acc	chr7:27191	NM_00128	XM_01151	.	.	NP_00127	XP_011513	protein_co	ENSG0000(	155185	22231
AMZ2	103.01	92.0545	101.15	97.7359	94.5129	94.6754	archaelysin family metallopeptidase 2 [Source:HGNC Symbol;Acc	chr17:6624	NM_00103	XM_01702	.	.	NP_00102	XP_005257	protein_co	ENSG0000(	51321	28041
ANAPC1	13.8086	14.7178	13.856	13.8031	15.1016	13.1784	anaphase promoting complex subunit 1 [Source:HGNC Symbol;Ac	chr2:11252	NM_02266	XM_01151	.	.	NP_07315	XP_011509	protein_co	ENSG0000(	64682	19988
ANAPC10	15.7127	12.8273	15.886	15.2824	18.251	16.3147	anaphase promoting complex subunit 10 [Source:HGNC Symbol;A	chr4:14591	NM_00125	XM_01153	.	.	NP_00124	XP_011529	protein_co	ENSG0000(	10393	24077
ANAPC11	122.707	128.276	118.45	148.153	117.569	127.826	anaphase promoting complex subunit 11 [Source:HGNC Symbol;A	chr17:7984	NM_0010(	.	.	.	NP_00100	.	protein_co	ENSG0000(	51529	14452
ANAPC13	41.7669	38.7764	33.8765	40.2991	45.3414	45.3606	anaphase promoting complex subunit 13 [Source:HGNC Symbol;A	chr3:13419	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000(	25847	24540
ANAPC15	29.3575	32.414	23.1378	34.1075	25.4501	22.0366	anaphase promoting complex subunit 15 [Source:HGNC Symbol;A	chr11:717(	NM_00127	.	.	.	NP_00126	XP_016872	protein_co	ENSG0000(	25906	24531
ANAPC16	24.1292	22.2217	20.0572	24.963	23.51	25.4618	anaphase promoting complex subunit 16 [Source:HGNC Symbol;A	chr10:7385	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000(	119504	26976
ANAPC2	18.9213	19.9757	19.5692	22.2222	18.9597	12.7149	anaphase promoting complex subunit 2 [Source:HGNC Symbol;Ac	chr9:14006	NM_01336	.	.	.	NP_03749	.	protein_co	ENSG0000(	29882	19989
ANAPC4	13.3748	12.4221	12.916	12.2144	14.1446	12.3733	anaphase promoting complex subunit 4 [Source:HGNC Symbol;Ac	chr4:25378	NM_00128	XM_01700	.	.	NP_00127	XP_011512	protein_co	ENSG0000(	29945	19990
ANAPC5	57.5086	57.0831	68.1321	71.5228	64.2516	55.71	anaphase promoting complex subunit 5 [Source:HGNC Symbol;Ac	chr12:1217	NM_00113	XM_00671	.	.	NP_00113	XP_005253	protein_co	ENSG0000(	51433	15713
ANAPC7	30.2006	29.7361	30.3478	37.9321	36.6541	33.8886	anaphase promoting complex subunit 7 [Source:HGNC Symbol;Ac	chr12:1108	NM_00113	XM_01153	.	.	NP_00113	XP_005253	protein_co	ENSG0000(	51434	17380
ANG	6.04984	6.34655	4.44224	6.73557	5.27911	6.53562	angiogenin [Source:HGNC Symbol;Acc:HGNC:483]	chr14:2115	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000(	283	483
ANGEL1	10.0937	10.4639	13.5433	8.77481	9.19409	9.22562	angel homolog 1 [Source:HGNC Symbol;Acc:HGNC:19961]	chr14:7725	NM_0153(	.	.	.	NP_05612	.	protein_co	ENSG0000(	23357	19961
ANGEL2	6.72506	6.95896	5.79848	6.3262	7.51124	6.41375	angel homolog 2 [Source:HGNC Symbol;Acc:HGNC:30534]	chr1:21316	NM_0013(	XM_01700	.	.	NP_00128	XP_005273	protein_co	ENSG0000(	90806	30534
ANGPT1	0	0	0	0	0	0	angiopoietin 1 [Source:HGNC Symbol;Acc:HGNC:484]	chr8:10826	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000(	284	484

ANGPT2	0.42126	0.368561	0.633517	1.14502	1.69886	3.68965	angiopoietin 2 [Source:HGNC Symbol;Acc:HGNC:485]	chr8:6264	NM_00111	.	.	.	NP_00111	XP_016868	protein_co	ENSG0000	285	485
ANGPT4	0.015487	0.047393	0.026826	0	0	0.147789	angiopoietin 4 [Source:HGNC Symbol;Acc:HGNC:487]	chr20:850	NM_01598	XM_01152	.	.	NP_05706	XP_011527	protein_co	ENSG0000	51378	487
ANGPTL1	0	0	0	0	0	0	angiopoietin like 1 [Source:HGNC Symbol;Acc:HGNC:489]	chr1:1786	NM_00467	XM_00524	.	.	NP_00466	XP_005245	protein_co	ENSG0000	9068	489
ANGPTL2	0	0	0	0.032161	0	0	angiopoietin like 2 [Source:HGNC Symbol;Acc:HGNC:490]	chr9:1296	NM_01209	.	.	.	NP_03623	.	protein_co	ENSG0000	23452	490
ANGPTL3	0	0	0	0	0	0	angiopoietin like 3 [Source:HGNC Symbol;Acc:HGNC:491]	chr1:6292	NM_01449	.	.	.	NP_05531	.	protein_co	ENSG0000	27329	491
ANGPTL4	6.35385	8.77745	13.985	5.11589	7.18094	8.03725	angiopoietin like 4 [Source:HGNC Symbol;Acc:HGNC:16039]	chr19:842	NM_00103	XM_00527	.	.	NP_00103	XP_005272	protein_co	ENSG0000	51129	16039
ANGPTL5	0	0	0	0	0	0	angiopoietin like 5 [Source:HGNC Symbol;Acc:HGNC:19705]	chr11:101	NM_17812	.	.	.	NP_83522	.	protein_co	ENSG0000	253935	19705
ANGPTL6	0.138981	0.135142	0.100293	0.221866	0	0.130868	angiopoietin like 6 [Source:HGNC Symbol;Acc:HGNC:23140]	chr19:101	NM_00132	XM_01152	.	.	NP_00130	XP_005260	protein_co	ENSG0000	83854	23140
ANGPTL7	0	0	0	0	0	0	angiopoietin like 7 [Source:HGNC Symbol;Acc:HGNC:24078]	chr1:1116	NM_02114	.	.	.	NP_06696	.	protein_co	ENSG0000	10218	24078
ANGPTL8	0	0	0	0	0	0	angiopoietin like 8 [Source:HGNC Symbol;Acc:HGNC:24933]	chr19:113	NM_01868	.	.	.	NP_06115	.	protein_co	ENSG0000	55908	24933
ANHX	0	0	0	0	0	0	anomalous homeobox [Source:HGNC Symbol;Acc:HGNC:40024]	chr12:133	NM_00119	XM_01153	.	.	NP_00117	XP_006719	protein_co	ENSG0000	647589	40024
ANK1	0.214183	0.189806	0.241151	0.145816	0.183115	0.172646	ankyrin 1 [Source:HGNC Symbol;Acc:HGNC:492]	chr8:4151	NM_00003	XM_01154	.	.	NP_00002	XP_005273	protein_co	ENSG0000	286	492
ANK2	0.62075	0.445324	0.718969	0.301476	0.401052	1.04519	ankyrin 2, neuronal [Source:HGNC Symbol;Acc:HGNC:493]	chr4:1137	NM_00114	XM_01700	.	.	NP_00112	XP_005263	protein_co	ENSG0000	287	493
ANK3	1.633	1.04749	1.95183	1.246	1.21149	1.80639	ankyrin 3, node of Ranvier (ankyrin G) [Source:HGNC Symbol;Acc	chr10:617	NM_00114	XM_01701	.	.	NP_00114	XP_005269	protein_co	ENSG0000	288	494
ANKAR	0.073154	0.059701	0.031801	0.084282	0.060064	0.01741	ankyrin and armadillo repeat containing [Source:HGNC Symbol;A	chr2:1905	NM_14470	XM_01151	.	.	NP_65330	XP_011508	protein_co	ENSG0000	150709	26350
ANKDD1A	3.29069	4.22885	4.66349	3.69616	3.65395	2.76902	ankyrin repeat and death domain containing 1A [Source:HGNC Sy	chr15:651	NM_1827	.	.	.	NP_87436	.	protein_co	ENSG0000	348094	28002
ANKDD1B	0.343724	0.298425	0.224266	0.352438	0.161498	0.174752	ankyrin repeat and death domain containing 1B [Source:HGNC Sy	chr5:7490	NM_00127	XM_01154	.	.	NP_00126	XP_011541	protein_co	ENSG0000	728780	32525
ANKEF1	9.31453	9.58708	11.7441	9.14577	10.5043	11.3075	ankyrin repeat and EF-hand domain containing 1 [Source:HGNC S	chr20:100	NM_00130	XM_00526	.	.	NP_00129	XP_005260	protein_co	ENSG0000	63926	15803
ANKFN1	0.231711	0.184362	0.204518	0.256788	0.140903	0.26586	ankyrin repeat and fibronectin type III domain containing 1 [Sour	chr17:542	NM_15322	XM_01152	.	.	NP_69496	XP_006721	protein_co	ENSG0000	162282	26766
ANKFY1	10.6762	11.008	10.6242	10.0033	11.2492	11.3642	ankyrin repeat and FYVE domain containing 1 [Source:HGNC Sym	chr17:404	NM_00125	XM_01702	.	.	NP_00124	XP_005256	protein_co	ENSG0000	51479	20763
ANKH	5.23794	5.41378	8.52281	5.87741	5.13871	7.0115	ANKH inorganic pyrophosphate transport regulator [Source:HGN	chr5:1470	NM_05402	XM_01700	.	.	NP_47336	XP_016865	protein_co	ENSG0000	56172	15492
ANKHD1	28.4266	29.233	27.8729	24.4295	26.7167	27.8469	ankyrin repeat and KH domain containing 1 [Source:HGNC Symbo	chr5:1397	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	54882	24714
ANKHD1-EIF4EBP3	0.012319	0.001278	0.002255	0.001648	0.002962	0.038278	ANKHD1-EIF4EBP3 readthrough [Source:HGNC Symbol;Acc:HGNC	chr5:1397	NM_02069	.	.	.	NP_06574	.	protein_co	ENSG0000	404734	33530
ANKIB1	8.84925	10.0825	9.17531	12.4107	12.6985	14.0767	ankyrin repeat and IBR domain containing 1 [Source:HGNC Symb	chr7:9187	NM_01900	XM_01151	.	.	NP_06187	XP_005250	protein_co	ENSG0000	54467	22215
ANKK1	0.2244	0.277766	0.168829	0.119864	0.195851	0.308968	ankyrin repeat and kinase domain containing 1 [Source:HGNC Sy	chr11:113	NM_17851	XM_01154	.	.	NP_84860	XP_011541	protein_co	ENSG0000	255239	21027
ANKLE1	5.97659	7.39375	5.70135	6.4965	7.35387	3.05917	ankyrin repeat and LEM domain containing 1 [Source:HGNC Symb	chr19:173	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	126549	26812
ANKLE2	21.5219	21.1862	20.3148	20.4192	19.4745	17.1894	ankyrin repeat and LEM domain containing 2 [Source:HGNC Symb	chr12:133	NM_01511	XM_00671	.	.	NP_05592	XP_005266	protein_co	ENSG0000	23141	29101
ANKMY1	4.93739	4.87102	4.35735	4.71408	4.24534	4.42626	ankyrin repeat and MYND domain containing 1 [Source:HGNC Sy	chr2:2414	NM_00128	XM_01151	.	.	NP_00126	XP_006712	protein_co	ENSG0000	51281	20987
ANKMY2	15.5926	14.2692	19.4173	14.9513	14.9156	19.9496	ankyrin repeat and MYND domain containing 2 [Source:HGNC Sy	chr7:1663	NM_02031	XM_01151	.	.	NP_06471	XP_011513	protein_co	ENSG0000	57037	25370
ANKRA2	7.02415	6.25881	9.3077	5.23213	5.02125	9.16433	ankyrin repeat family A member 2 [Source:HGNC Symbol;Acc:HG	chr5:7284	NM_02303	XM_00524	.	.	NP_07552	XP_005248	protein_co	ENSG0000	57763	13208
ANKRD1	0.168393	0.105739	0	0	0.07537	0	ankyrin repeat domain 1 [Source:HGNC Symbol;Acc:HGNC:15819	chr10:926	NM_01439	.	.	.	NP_05520	.	protein_co	ENSG0000	27063	15819
ANKRD10	58.4705	52.4841	50.2446	34.4065	34.8678	36.4508	ankyrin repeat domain 10 [Source:HGNC Symbol;Acc:HGNC:2026	chr13:111	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	55608	20265
ANKRD11	35.1192	39.6271	29.8204	29.0817	33.8076	43.4738	ankyrin repeat domain 11 [Source:HGNC Symbol;Acc:HGNC:2131	chr16:893	NM_00125	XM_01702	.	.	NP_00124	XP_006721	protein_co	ENSG0000	29123	21316
ANKRD12	2.94403	2.82416	3.02647	2.42533	3.96472	5.21705	ankyrin repeat domain 12 [Source:HGNC Symbol;Acc:HGNC:2913	chr18:913	NM_00108	XM_01702	.	.	NP_00107	XP_005258	protein_co	ENSG0000	23253	29135
ANKRD13A	7.47687	8.6536	9.54009	7.33399	6.98548	8.6985	ankyrin repeat domain 13A [Source:HGNC Symbol;Acc:HGNC:212	chr12:110	NM_03312	XM_01153	.	.	NP_14911	XP_005254	protein_co	ENSG0000	88455	21268
ANKRD13B	8.83735	6.87269	6.91569	7.97273	6.38011	4.87656	ankyrin repeat domain 13B [Source:HGNC Symbol;Acc:HGNC:263	chr17:279	NM_15234	XM_01152	.	.	NP_68955	XP_005257	protein_co	ENSG0000	124930	26363
ANKRD13C	8.3323	8.82823	8.80841	8.84033	7.96254	8.48624	ankyrin repeat domain 13C [Source:HGNC Symbol;Acc:HGNC:253	chr1:7072	NM_03081	XM_00671	.	.	NP_11044	XP_005271	protein_co	ENSG0000	81573	25374
ANKRD13D	13.9376	13.0748	14.9361	16.2779	11.516	13.9485	ankyrin repeat domain 13D [Source:HGNC Symbol;Acc:HGNC:278	chr11:670	NM_20735	XM_01154	.	.	NP_99723	XP_011543	protein_co	ENSG0000	338692	27880
ANKRD16	4.06097	4.47528	3.06508	3.56067	3.21667	3.39834	ankyrin repeat domain 16 [Source:HGNC Symbol;Acc:HGNC:2347	chr10:590	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	54522	23471
ANKRD17	19.238	20.7886	19.4878	16.6057	18.5769	17.8902	ankyrin repeat domain 17 [Source:HGNC Symbol;Acc:HGNC:2357	chr4:7393	NM_00128	XM_00526	.	.	NP_00127	XP_005265	protein_co	ENSG0000	26057	23575
ANKRD18A	2.03122	2.336	4.10483	1.84686	2.15209	2.39988	ankyrin repeat domain 18A [Source:HGNC Symbol;Acc:HGNC:236	chr9:3857	NM_14719	XM_01151	.	.	NP_67172	XP_006716	protein_co	ENSG0000	253650	23643
ANKRD18B	0.14196	0.057462	0.093115	0.040854	0.156123	0.051158	ankyrin repeat domain 18B [Source:HGNC Symbol;Acc:HGNC:236	chr9:3352	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	441459	23644
ANKRD2	0.062807	0	0.12262	0.06697	0	0	ankyrin repeat domain 2 [Source:HGNC Symbol;Acc:HGNC:495]	chr10:993	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	26287	495
ANKRD20A1	0.057315	0.123185	0.016702	0.021854	0.08493	0.093042	ankyrin repeat domain 20 family member A1 [Source:HGNC Symb	chr9:6792	NM_03225	XM_01154	.	.	NP_11562	XP_005272	protein_co	ENSG0000	84210	23665
ANKRD20A2	0	0.423954	0.173423	0.448994	0.243346	0	ankyrin repeat domain 20 family member A2 [Source:HGNC Symb	chr9:4236	NM_00101	XM_01151	.	.	NP_00101	XP_011516	protein_co	ENSG0000	441430	31979
ANKRD20A3	0	0	0	0.020191	0.019563	0	ankyrin repeat domain 20 family member A3 [Source:HGNC Symb	chr9:4308	NM_00101	XM_01154	.	.	NP_00101	XP_005272	protein_co	ENSG0000	441425	31981
ANKRD20A4	0.094937	0.073542	0.089667	0.117549	0.133166	0.149813	ankyrin repeat domain 20 family member A4 [Source:HGNC Symb	chr9:6938	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	728747	31982
ANKRD22	2.21621	1.9053	1.33029	1.96333	2.05722	3.30141	ankyrin repeat domain 22 [Source:HGNC Symbol;Acc:HGNC:2832	chr10:905	NM_14459	.	.	.	NP_65319	.	protein_co	ENSG0000	118932	28321
ANKRD23	1.97919	1.29059	1.73413	1.94742	1.502	1.42049	ankyrin repeat domain 23 [Source:HGNC Symbol;Acc:HGNC:2447	chr2:9750	NM_14499	.	.	.	NP_65943	.	protein_co	ENSG0000	200539	24470
ANKRD24	1.05625	0.92513	1.59703	0.552785	0.569194	0.813937	ankyrin repeat domain 24 [Source:HGNC Symbol;Acc:HGNC:2942	chr19:418	NM_13347	XM_01152	.	.	NP_59773	XP_011526	protein_co	ENSG0000	170961	29424
ANKRD26	1.68989	1.25221	1.4558	0.629374	0.700805	0.688932	ankyrin repeat domain 26 [Source:HGNC Symbol;Acc:HGNC:2918	chr10:272	NM_00125	XM_01151	.	.	NP_00124	XP_006717	protein_co	ENSG0000	22852	29186
ANKRD27	15.3851	16.0789	16.4181	13.3916	13.9806	15.9288	ankyrin repeat domain 27 [Source:HGNC Symbol;Acc:HGNC:2531	chr19:330	NM_03213	XM_00672	.	.	NP_11551	XP_006723	protein_co	ENSG0000	84079	25310
ANKRD28	12.0434	12.0472	10.5078	8.77583	10.2175	7.86659	ankyrin repeat domain 28 [Source:HGNC Symbol;Acc:HGNC:2902	chr3:1570	NM_00119	XM_01153	.	.	NP_00118	XP_005265	protein_co	ENSG0000	23243	29024
ANKRD29	5.0775	4.77059	5.80309	6.79737	7.34599	6.82669	ankyrin repeat domain 29 [Source:HGNC Symbol;Acc:HGNC:2711	chr18:211	NM_00130	XM_01152	.	.	NP_00129	XP_011524	protein_co	ENSG0000	147463	27110
ANKRD30A	0	0	0	0.014782	0	0	ankyrin repeat domain 30A [Source:HGNC Symbol;Acc:HGNC:172	chr10:374	NM_05299	XM_01151	.	.	NP_44372	XP_011518	protein_co	ENSG0000	91074	17234
ANKRD30B	0	0	0	0	0	0	ankyrin repeat domain 30B [Source:HGNC Symbol;Acc:HGNC:241	chr18:147	NM_00114	XM_01152	.	.	NP_00113	XP_006722	protein_co	ENSG0000	374860	24165
ANKRD30BL	0	0	0	0	0	0	ankyrin repeat domain 30B-like [Source:HGNC Symbol;Acc:HGNC	chr2:1329	.	.	NR_02702	.	.	.	protein_co	ENSG0000	554226	35167
ANKRD31	0.105997	0.045877	0.134868	0.02434	0.069984	0.07164	ankyrin repeat domain 31 [Source:HGNC Symbol;Acc:HGNC:2685	chr5:7436	NM_00116	XM_01700	.	.	NP_00115	XP_011541	protein_co	ENSG0000	256006	26853
ANKRD33	0	0	0.043662	0	0	0	ankyrin repeat domain 33 [Source:HGNC Symbol;Acc:HGNC:1378	chr12:522	NM_00113	XM_01153	.	.	NP_00112	.	protein_co	ENSG0000	341405	13788

ANKRD33B	6.03456	6.57738	6.4965	3.36245	4.29342	3.94965	ankyrin repeat domain 33B [Source:HGNC Symbol;Acc:HGNC:352	chr5:10564	NM_00116	XM_00524	.	.	NP_00115	XP_005248	protein_co	ENSG0000	651746	35240
ANKRD34A	0.516795	0.491833	0.890015	0.433405	0.378633	0.608805	ankyrin repeat domain 34A [Source:HGNC Symbol;Acc:HGNC:276	chr1:14545	NM_00103	XM_01150	.	.	NP_00103	XP_005277	protein_co	ENSG0000	284615	27639
ANKRD34B	0	0	0	0	0	0	ankyrin repeat domain 34B [Source:HGNC Symbol;Acc:HGNC:337	chr5:79852	NM_00100	XM_01154	.	.	NP_00100	XP_006714	protein_co	ENSG0000	340120	33736
ANKRD34C	0	0	0	0.03537	0	0	ankyrin repeat domain 34C [Source:HGNC Symbol;Acc:HGNC:338	chr15:7958	NM_00114	XM_01152	.	.	NP_00113	XP_011519	protein_co	ENSG0000	390616	33888
ANKRD35	0.020819	0	0.018115	0.022373	0	0.022841	ankyrin repeat domain 35 [Source:HGNC Symbol;Acc:HGNC:2632	chr1:14554	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	148741	26323
ANKRD36	1.14073	0.913285	1.00839	0.381771	0.461058	0.65558	ankyrin repeat domain 36 [Source:HGNC Symbol;Acc:HGNC:2407	chr2:97779	NM_00116	XM_01151	.	.	NP_00115	XP_006712	protein_co	ENSG0000	375248	24079
ANKRD36B	0.497653	0.603796	0.55523	0.294186	0.393754	0.424744	ankyrin repeat domain 36B [Source:HGNC Symbol;Acc:HGNC:293	chr2:98109	NM_02519	XM_01151	.	.	NP_07946	XP_005264	protein_co	ENSG0000	57730	29333
ANKRD36C	0.906029	0.807974	1.26836	0.237437	0.688091	0.517932	ankyrin repeat domain 36C [Source:HGNC Symbol;Acc:HGNC:329	chr2:96514	.	.	.	.	.	.	protein_co	ENSG0000	.	32946
ANKRD37	4.60661	5.03654	4.89011	4.96839	4.13863	10.176	ankyrin repeat domain 37 [Source:HGNC Symbol;Acc:HGNC:2959	chr4:18631	NM_18172	.	.	.	NP_85907	XP_016863	protein_co	ENSG0000	353322	29593
ANKRD39	17.2964	15.8463	15.9671	20.436	16.8781	12.1961	ankyrin repeat domain 39 [Source:HGNC Symbol;Acc:HGNC:2864	chr2:97513	NM_01646	.	.	.	NP_05755	.	protein_co	ENSG0000	51239	28640
ANKRD40	35.0212	36.8387	34.7835	35.3546	38.1756	36.9093	ankyrin repeat domain 40 [Source:HGNC Symbol;Acc:HGNC:2823	chr17:4877	NM_05285	XM_01702	.	.	NP_44308	XP_016880	protein_co	ENSG0000	91369	28233
ANKRD42	5.19764	5.44696	5.00326	3.61093	4.66895	3.54578	ankyrin repeat domain 42 [Source:HGNC Symbol;Acc:HGNC:2675	chr11:8290	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	338699	26752
ANKRD44	0.56454	0.493596	0.846088	0.759005	0.509056	0.807165	ankyrin repeat domain 44 [Source:HGNC Symbol;Acc:HGNC:2525	chr2:19785	NM_15369	XM_01151	.	.	NP_71018	.	protein_co	ENSG0000	91526	25259
ANKRD45	0.389749	0.413045	0.427983	0.219917	0.435807	0.483501	ankyrin repeat domain 45 [Source:HGNC Symbol;Acc:HGNC:2478	chr1:17357	NM_19849	XM_01150	.	.	NP_94089	XP_011507	protein_co	ENSG0000	339416	24786
ANKRD46	7.03268	7.45018	8.51943	7.64054	8.49028	8.12664	ankyrin repeat domain 46 [Source:HGNC Symbol;Acc:HGNC:2722	chr8:10152	NM_00127	XM_01701	.	.	NP_00125	XP_006716	protein_co	ENSG0000	157567	27229
ANKRD49	7.29777	7.07726	8.30713	5.5296	6.84197	5.87485	ankyrin repeat domain 49 [Source:HGNC Symbol;Acc:HGNC:2597	chr11:9414	NM_01770	.	.	.	NP_06017	XP_016873	protein_co	ENSG0000	54851	25970
ANKRD50	6.2773	6.25036	7.72511	6.72071	8.98694	10.9882	ankyrin repeat domain 50 [Source:HGNC Symbol;Acc:HGNC:2922	chr4:12558	NM_00116	XM_01153	.	.	NP_00116	XP_011530	protein_co	ENSG0000	57182	29223
ANKRD52	16.7593	17.0901	16.087	16.0682	17.2652	11.5089	ankyrin repeat domain 52 [Source:HGNC Symbol;Acc:HGNC:2661	chr12:5662	NM_17359	XM_01153	.	.	NP_77586	XP_011536	protein_co	ENSG0000	283373	26614
ANKRD53	0.074767	0.084628	0	0.051542	0	0.053625	ankyrin repeat domain 53 [Source:HGNC Symbol;Acc:HGNC:2569	chr2:71163	NM_00111	XM_01153	.	.	NP_00110	XP_005264	protein_co	ENSG0000	79998	25691
ANKRD54	14.6894	14.089	14.6035	20.1789	13.1712	14.6576	ankyrin repeat domain 54 [Source:HGNC Symbol;Acc:HGNC:2518	chr22:3822	NM_13879	XM_01702	NR_03039	.	NP_62015	XP_006724	protein_co	ENSG0000	724028	25185
ANKRD55	0	0	0	0.030392	0	0	ankyrin repeat domain 55 [Source:HGNC Symbol;Acc:HGNC:2568	chr5:55395	NM_02466	XM_01700	.	.	NP_07894	XP_016865	protein_co	ENSG0000	79722	25681
ANKRD6	3.26973	3.62477	4.36334	3.62239	4.06779	3.55827	ankyrin repeat domain 6 [Source:HGNC Symbol;Acc:HGNC:17280	chr6:90142	NM_00124	XM_01701	.	.	NP_00122	XP_005248	protein_co	ENSG0000	22881	17280
ANKRD60	0	0	0	0	0	0	ankyrin repeat domain 60 [Source:HGNC Symbol;Acc:HGNC:1621	chr20:5679	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	140731	16217
ANKRD61	0.270516	0.110955	0.093562	0.177671	0.246826	0.171528	ankyrin repeat domain 61 [Source:HGNC Symbol;Acc:HGNC:2246	chr7:60488	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	10031084	22467
ANKRD62	0.095071	0.020311	0.049966	0.021599	0.06356	0.130859	ankyrin repeat domain 62 [Source:HGNC Symbol;Acc:HGNC:3524	chr18:1209	NM_00127	XM_01152	.	.	NP_00126	XP_011523	protein_co	ENSG0000	342850	35241
ANKRD63	0.448576	0	0.124667	0.468566	0.359757	0.351964	ankyrin repeat domain 63 [Source:HGNC Symbol;Acc:HGNC:4002	chr15:4057	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	10013124	40027
ANKRD65	0.093811	0	0.246849	0.151833	0.133498	0	ankyrin repeat domain 65 [Source:HGNC Symbol;Acc:HGNC:4295	chr1:13537	NM_00114	XM_01154	.	.	NP_00113	XP_005244	protein_co	ENSG0000	441869	42950
ANKRD66	0	0	0	0	0	0	ankyrin repeat domain 66 [Source:HGNC Symbol;Acc:HGNC:4466	chr6:46714	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	10028771	44669
ANKRD7	0	0	0	0	0	0	ankyrin repeat domain 7 [Source:HGNC Symbol;Acc:HGNC:18588	chr7:11785	NM_01964	.	.	.	NP_06261	.	protein_co	ENSG0000	56311	18588
ANKRD9	11.758	16.2291	16.1439	10.5901	8.44563	15.047	ankyrin repeat domain 9 [Source:HGNC Symbol;Acc:HGNC:20096	chr14:1028	NM_15232	XM_00526	.	.	NP_68953	XP_005267	protein_co	ENSG0000	122416	20096
ANKS1A	9.79337	10.3302	10.4921	11.1844	11.3028	9.64366	ankyrin repeat and sterile alpha motif domain containing 1A [Sou	chr6:34857	NM_01524	XM_01151	.	.	NP_05606	XP_005249	protein_co	ENSG0000	23294	20961
ANKS1B	0.112842	0	0	0.091316	0	0.041467	ankyrin repeat and sterile alpha motif domain containing 1B [Sou	chr12:9903	NM_00120	XM_01153	.	.	NP_00119	XP_005269	protein_co	ENSG0000	56899	24600
ANKS3	4.82329	5.2769	5.26557	5.31673	4.20865	3.93715	ankyrin repeat and sterile alpha motif domain containing 3 [Sour	chr16:4746	NM_00124	XM_01702	.	.	NP_00122	XP_005255	protein_co	ENSG0000	124401	29422
ANKS4B	0	0.016091	0	0	0.034402	0	ankyrin repeat and sterile alpha motif domain containing 4B [Sou	chr16:2124	NM_14586	.	.	.	NP_66587	.	protein_co	ENSG0000	257629	26795
ANKS6	8.8913	9.81781	10.7627	9.12054	8.36298	7.96297	ankyrin repeat and sterile alpha motif domain containing 6 [Sour	chr9:10149	NM_17355	XM_01151	.	.	NP_77582	XP_005251	protein_co	ENSG0000	203286	26724
ANKUB1	0	0	0.027917	0	0	0	ankyrin repeat and ubiquitin domain containing 1 [Source:HGNC	chr3:14947	NM_00114	XM_01151	.	.	NP_00113	XP_011511	protein_co	ENSG0000	389161	29642
ANKZF1	13.9548	14.9269	15.7736	12.9348	12.3168	16.9413	ankyrin repeat and zinc finger domain containing 1 [Source:HGN	chr2:22009	NM_00104	XM_01151	.	.	NP_00103	XP_005246	protein_co	ENSG0000	55139	25527
ANLN	40.9116	42.2137	37.3671	68.5749	73.6395	58.6996	anillin actin binding protein [Source:HGNC Symbol;Acc:HGNC:140	chr7:36363	NM_00128	XM_01701	.	.	NP_00127	XP_006715	protein_co	ENSG0000	54443	14082
ANO1	16.8643	18.0162	21.396	19.0797	15.0393	13.6804	anoctamin 1 [Source:HGNC Symbol;Acc:HGNC:21625]	chr11:6992	NM_01804	XM_01701	.	.	NP_06051	XP_006718	protein_co	ENSG0000	55107	21625
ANO10	8.31655	6.39657	8.38856	8.08033	9.69563	7.89434	anoctamin 10 [Source:HGNC Symbol;Acc:HGNC:25519]	chr3:43407	NM_00120	XM_01700	.	.	NP_00119	XP_011532	protein_co	ENSG0000	55129	25519
ANO2	0	0.066238	0	0.019667	0	0	anoctamin 2 [Source:HGNC Symbol;Acc:HGNC:1183]	chr12:5671	NM_00127	XM_01152	.	.	NP_00126	XP_006719	protein_co	ENSG0000	57101	1183
ANO3	0	0	0	0	0	0	anoctamin 3 [Source:HGNC Symbol;Acc:HGNC:14004]	chr11:2633	NM_03141	XM_01152	.	.	NP_00130	XP_016873	protein_co	ENSG0000	63982	14004
ANO4	0.656748	0.679784	0.700403	0.929378	0.803333	0.950367	anoctamin 4 [Source:HGNC Symbol;Acc:HGNC:23837]	chr12:1011	NM_00128	XM_01701	.	.	NP_00127	XP_011536	protein_co	ENSG0000	121601	23837
ANO5	0.939688	0.646206	0.740081	0.657865	1.04515	0.754412	anoctamin 5 [Source:HGNC Symbol;Acc:HGNC:27337]	chr11:2221	NM_00114	XM_01151	.	.	NP_00113	XP_005252	protein_co	ENSG0000	203859	27337
ANO6	12.9217	14.2058	14.5045	12.4717	14.8923	18.952	anoctamin 6 [Source:HGNC Symbol;Acc:HGNC:25240]	chr12:4560	NM_00102	XM_01153	.	.	NP_00102	XP_005268	protein_co	ENSG0000	196527	25240
ANO7	0.1207	0.193608	0.197319	0.133417	0.122413	0.047883	anoctamin 7 [Source:HGNC Symbol;Acc:HGNC:31677]	chr2:24212	NM_00100	XM_01151	.	.	NP_00100	XP_011509	protein_co	ENSG0000	50636	31677
ANO8	6.24699	6.39888	5.97113	5.03149	4.89794	5.33488	anoctamin 8 [Source:HGNC Symbol;Acc:HGNC:29329]	chr19:1742	NM_02095	.	.	.	NP_06601	XP_016882	protein_co	ENSG0000	57719	29329
ANO9	5.68136	5.81895	10.0243	5.61453	5.74	5.46881	anoctamin 9 [Source:HGNC Symbol;Acc:HGNC:20679]	chr11:4182	NM_00101	XM_01152	.	.	NP_00101	XP_011518	protein_co	ENSG0000	338440	20679
ANOS1	0	0	0	0	0	0	anosmin 1 [Source:HGNC Symbol;Acc:HGNC:6211]	chrX:84969	NM_00021	.	.	.	NP_00020	.	protein_co	ENSG0000	3730	6211
ANP32A	172.07	152.787	124.932	187.432	176.657	162.981	acidic nuclear phosphoprotein 32 family member A [Source:HGN	chr15:6907	NM_00630	XM_00672	.	.	NP_00629	.	protein_co	ENSG0000	8125	13233
ANP32B	101.336	102.929	81.5769	120.687	116.956	107.416	acidic nuclear phosphoprotein 32 family member B [Source:HGN	chr9:10074	NM_00640	.	.	.	NP_00639	.	protein_co	ENSG0000	10541	16677
ANP32D	0.345417	0.356735	0.309867	0.163511	0.55427	0.509378	acidic nuclear phosphoprotein 32 family member D [Source:HGN	chr12:4886	NM_01240	.	.	.	NP_03653	.	protein_co	ENSG0000	23519	16676
ANP32E	48.2323	49.5851	35.9214	59.5685	69.8742	59.5385	acidic nuclear phosphoprotein 32 family member E [Source:HGN	chr1:15019	NM_00113	XM_00524	.	.	NP_00112	XP_005245	protein_co	ENSG0000	81611	16673
ANPEP	0.018382	0.073255	0.015934	0.019771	0.021291	0.060401	alanyl aminopeptidase, membrane [Source:HGNC Symbol;Acc:HG	chr15:9032	NM_00115	XM_01152	.	.	NP_00114	XP_005254	protein_co	ENSG0000	290	500
ANTXR1	12.1788	12.9238	13.4632	7.75435	9.33395	8.52472	anthrax toxin receptor 1 [Source:HGNC Symbol;Acc:HGNC:21014	chr2:69240	NM_01815	XM_01153	.	.	NP_06062	XP_016860	protein_co	ENSG0000	84168	21014
ANTXR2	3.24924	2.0125	2.92111	5.07434	5.60491	6.44619	anthrax toxin receptor 2 [Source:HGNC Symbol;Acc:HGNC:21732	chr4:80822	NM_00114	XM_01153	.	.	NP_00113	XP_011529	protein_co	ENSG0000	118429	21732
ANTXRL	0	0	0	0	0	0	anthrax toxin receptor-like [Source:HGNC Symbol;Acc:HGNC:272	chr10:4765	NM_00127	XM_01153	.	.	NP_00126	XP_006717	protein_co	ENSG0000	195977	27277
ANXA1	305.891	286.977	230.732	439.413	384.96	558.714	annexin A1 [Source:HGNC Symbol;Acc:HGNC:533]	chr9:75766	NM_00070	XM_01151	.	.	NP_00069	XP_011516	protein_co	ENSG0000	301	533
ANXA10	0.429568	0.225832	0.421228	1.86088	0.961927	0.484942	annexin A10 [Source:HGNC Symbol;Acc:HGNC:534]	chr4:16901	NM_00719	XM_01153	.	.	NP_00912	XP_011529	protein_co	ENSG0000	11199	534

ANXA11	45.77	46.4827	49.0879	55.4487	46.5017	42.8787	annexin A11 [Source:HGNC Symbol;Acc:HGNC:535]	chr10:8191	NM_00115	XM_01153	.	.	NP_00114	XP_005269	protein_co	ENSG0000	311	535
ANXA13	0	0	0	0	0	0	annexin A13 [Source:HGNC Symbol;Acc:HGNC:536]	chr8:12469	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	312	536
ANXA2	675.479	643.464	749.36	804.356	644.656	656.593	annexin A2 [Source:HGNC Symbol;Acc:HGNC:537]	chr15:6063	NM_00100	XM_01152	.	.	NP_00100	XP_011519	protein_co	ENSG0000	302	537
ANXA2R	1.74986	1.27012	0.490874	0.640254	0.864661	0.899965	annexin A2 receptor [Source:HGNC Symbol;Acc:HGNC:33463]	chr5:43039	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	389289	33463
ANXA3	50.5458	48.3582	60.8116	34.0065	31.2882	52.2426	annexin A3 [Source:HGNC Symbol;Acc:HGNC:541]	chr4:79472	NM_00513	XM_01153	.	.	NP_00513	.	protein_co	ENSG0000	306	541
ANXA4	27.23	27.7288	30.1398	27.9634	25.3801	25.8213	annexin A4 [Source:HGNC Symbol;Acc:HGNC:542]	chr2:69969	NM_00115	XM_01153	.	.	NP_00114	XP_011531	protein_co	ENSG0000	307	542
ANXA5	162.118	151.418	147.82	167.003	158.435	179.817	annexin A5 [Source:HGNC Symbol;Acc:HGNC:543]	chr4:12258	NM_00115	.	.	.	NP_00114	.	protein_co	ENSG0000	308	543
ANXA6	44.8153	44.6541	37.696	58.0568	48.2933	59.9042	annexin A6 [Source:HGNC Symbol;Acc:HGNC:544]	chr5:15048	NM_00115	XM_00526	.	.	NP_00114	XP_005268	protein_co	ENSG0000	309	544
ANXA7	51.5792	50.7055	43.6571	65.9097	53.8819	52.1705	annexin A7 [Source:HGNC Symbol;Acc:HGNC:545]	chr10:7513	NM_00115	XM_01701	.	.	NP_00114	XP_016871	protein_co	ENSG0000	310	545
ANXA8	0	0	0	0	0	0	annexin A8 [Source:HGNC Symbol;Acc:HGNC:546]	chr10:4825	NM_00104	XM_01154	.	.	NP_00103	XP_005276	protein_co	ENSG0000	107984085	546
ANXA8L1	0	0	0	0	0	0	annexin A8-like 1 [Source:HGNC Symbol;Acc:HGNC:23334]	chr10:4715	NM_00109	.	NR_03395	.	NP_00109	.	protein_co	ENSG0000	728113	23334
ANXA8L2	0	0	0	0	0	0	annexin A8-like 2 [Source:HGNC Symbol;Acc:23335]	chr10:4774	NM_00163	XM_00527	.	.	NP_00162	XP_005272	protein_co	ENSG0000	244	23335
ANXA9	1.26597	0.987106	1.81216	0.864395	1.02887	1.43293	annexin A9 [Source:HGNC Symbol;Acc:HGNC:547]	chr1:15095	NM_00356	XM_01151	.	.	NP_00355	XP_011508	protein_co	ENSG0000	8416	547
AOAH	0	0.032094	0.027061	0.104328	0.175673	0.063934	acyloxyacyl hydrolase [Source:HGNC Symbol;Acc:HGNC:548]	chr7:36552	NM_00117	XM_01151	.	.	NP_00117	XP_011513	protein_co	ENSG0000	313	548
AOC1	0.086943	0.031733	0.137546	1.0749	0.702558	0.671835	amine oxidase, copper containing 1 [Source:HGNC Symbol;Acc:H	chr7:15052	NM_00109	XM_01701	.	.	NP_00108	XP_011514	protein_co	ENSG0000	26	80
AOC2	4.45279	4.27652	3.70193	6.25751	6.74779	4.2947	amine oxidase, copper containing 2 [Source:HGNC Symbol;Acc:H	chr17:4099	NM_00115	.	.	.	NP_00114	.	protein_co	ENSG0000	314	549
AOC3	2.03422	2.15546	1.62819	3.88719	4.05696	2.734	amine oxidase, copper containing 3 [Source:HGNC Symbol;Acc:H	chr17:4100	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	8639	550
AOX1	0.164161	0.043034	0.047436	0.09188	0.092125	0.02764	aldehyde oxidase 1 [Source:HGNC Symbol;Acc:HGNC:553]	chr2:20145	NM_00115	XM_01151	.	.	NP_00115	XP_011509	protein_co	ENSG0000	316	553
AP000275.65	4.94E-06	0.488697	9.62E-06	1.27E-05	0.234545	2.74E-06	.	chr21:3394	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP000295.9	0.177914	0.147589	7.22E-07	2.87E-09	7.45E-12	0.4668	.	chr21:3460	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP000304.1	0	0	0	0	0	0	.	chr21:3487	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP000304.12	1.7E-163	1E-117	1.96E-59	3.6E-108	1.14E-52	6.18E-74	.	chr21:3487	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP000322.53	0	0	0	0	0	0	.	chr21:3579	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP000349.1	0	0	0	0	0	0	.	chr22:2411	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP000350.10	2.68E-06	6.84E-08	6.58E-13	0.520971	3.13E-05	0.000196	.	chr22:2419	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP000688.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QY5	chr21:3740	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP000695.1	0	0.055172	0	0	0.060198	0	.	chr21:3783	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP000721.4	0.26283	0.228008	2.3E-114	0.688348	1.56871	0.254591	.	chr11:6374	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP000758.1	0	3.89636	0	0	4.08069	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QZC	chr11:1202	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP000867.1	0	0.024524	0	0	0	0	.	chr11:7129	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP000889.3	0.383518	0.099394	0.24812	0.106453	0.108262	0.0976	HCG2032453; Uncharacterized protein; cDNA FLJ25337 fis, clone	chr11:1074	.	.	NR_02832	.	.	.	protein_co	ENSG0000	643923	.
AP000974.1	0.045828	0	0	0	0	0	CDNA FLJ26432 fis, clone KDN01418; Uncharacterized protein [S	chr11:8556	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP001024.1	0	0	0	0	0	0	Metazoan signal recognition particle RNA [Source:RFAM;Acc:RF0	chr11:1076	.	.	.	.	.	.	misc_RNA	ENSG0000	.	.
AP001024.2	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H0Y4W	chr11:1076	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP001055.1	0	0	0.137899	0	0	0	.	chr21:4558	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP001094.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R2D	chr18:7566	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP001362.1	0	0	0.134405	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QXL	chr11:6534	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP001421.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QXV	chr21:3873	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP001468.1	0.362144	1.04278	0.620148	0.630183	0.665819	0.379847	Protein LOC101060037 [Source:UniProtKB/TrEMBL;Acc:M0R212]	chr21:4760	.	XM_00526	.	.	.	XP_00526	protein_co	ENSG0000	101060037	.
AP001652.1	0	0	0	0	0	0	Uncharacterized protein; cDNA FLJ60524 [Source:UniProtKB/TrE	chr11:5867	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP001888.1	0	0	0	0	0	0.265335	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q14569	chr11:6958	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP001925.1	0	0	0	0	0	0	.	chr11:1080	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP002353.1	0	0	0	0	0	0	.	chr11:1075	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP002956.1	0	0	0	0	0	0	.	chr11:1190	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP003041.2	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QYB	chr11:1299	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP003062.1	0	0	0	0	0	0	CDNA FLJ27342 fis, clone TST02993; Uncharacterized protein [So	chr11:1348	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP003419.11	0.001289	1.81326	0.006028	0.000202	0.001744	0.165707	.	chr11:6711	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP003733.1	0.363768	0.245145	0.315608	0.133291	0.068915	0.063196	Uncharacterized protein; cDNA FLJ36460 fis, clone THYMU20148	chr11:6173	.	.	.	.	.	.	protein_co	ENSG0000	.	.
AP1AR	20.8999	21.1199	21.4914	20.3462	21.13	31.6668	adaptor related protein complex 1 associated regulatory protein	chr4:11315	NM_00112	XM_00526	.	.	NP_00112	.	protein_co	ENSG0000	55435	28808
AP1B1	23.599	25.0887	26.0954	30.6713	27.352	26.2338	adaptor related protein complex 1 beta 1 subunit [Source:HGNC S	chr22:2972	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	162	554
AP1G1	24.5191	23.4043	24.5345	22.2707	27.1973	26.1905	adaptor related protein complex 1 gamma 1 subunit [Source:HGN	chr16:7176	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	164	555
AP1G2	22.1118	18.8994	18.9674	17.3802	14.9126	11.8099	adaptor related protein complex 1 gamma 2 subunit [Source:HGN	chr14:2402	NM_00128	XM_01153	.	.	NP_00126	XP_005268	protein_co	ENSG0000	8906	556
AP1M1	19.1944	22.6337	20.0331	23.8711	18.4033	17.8087	adaptor related protein complex 1 mu 1 subunit [Source:HGNC Sy	chr19:1630	NM_00113	XM_01702	.	.	NP_00112	XP_016882	protein_co	ENSG0000	8907	13667
AP1M2	47.6257	45.2088	55.0549	68.5807	55.7925	53.463	adaptor related protein complex 1 mu 2 subunit [Source:HGNC Sy	chr19:1068	NM_00130	XM_01152	.	.	NP_00128	.	protein_co	ENSG0000	10053	558
AP1S1	84.1078	82.4859	81.3039	102.305	80.3243	81.3429	adaptor related protein complex 1 sigma 1 subunit [Source:HGNC	chr7:10079	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	1174	559
AP1S2	5.82373	7.45758	6.5848	7.10142	5.28659	6.80888	adaptor related protein complex 1 sigma 2 subunit [Source:HGNC	chrX:15843	NM_00127	XM_01702	.	.	NP_00125	XP_011543	protein_co	ENSG0000	8905	560
AP1S3	55.8437	65.3385	69.4935	62.479	74.3885	63.1035	adaptor related protein complex 1 sigma 3 subunit [Source:HGNC	chr2:22461	NM_00103	.	.	.	NP_00103	XP_011508	protein_co	ENSG0000	130340	18971
AP2A1	36.2302	39.8288	38.2308	46.4129	41.1555	39.1643	adaptor related protein complex 2 alpha 1 subunit [Source:HGNC	chr19:5027	NM_01420	XM_01152	.	.	NP_05501	XP_011524	protein_co	ENSG0000	160	561
AP2A2	20.3297	20.9357	20.9813	25.5407	21.2791	20.0854	adaptor related protein complex 2 alpha 2 subunit [Source:HGNC	chr11:9258	NM_00124	XM_01151	.	.	NP_00122	XP_011518	protein_co	ENSG0000	161	562

AP2B1	91.5178	94.9823	85.1241	89.7318	93.2507	90.8909	adaptor related protein complex 2 beta 1 subunit [Source:HGNC	chr17:3391	NM_00103	XM_01152	.	.	NP_00102	XP_005257	protein_co	ENSG0000	163	563
AP2M1	203.687	204.271	185.29	225.734	193.332	177.051	adaptor related protein complex 2 mu 1 subunit [Source:HGNC Sy	chr3:18389	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	1173	564
AP2S1	177.149	182.042	169.172	250.217	196.66	176.897	adaptor related protein complex 2 sigma 1 subunit [Source:HGNC	chr19:4734	NM_00130	XM_01152	.	.	NP_00128	XP_011524	protein_co	ENSG0000	1175	565
AP3B1	19.1957	17.7236	22.7463	16.8605	21.4619	22.8303	adaptor related protein complex 3 beta 1 subunit [Source:HGNC	chr5:77296	NM_00127	XM_00524	.	.	NP_00125	XP_005248	protein_co	ENSG0000	8546	566
AP3B2	0.180203	0.078053	0.171713	0.115365	0.066556	0.086455	adaptor related protein complex 3 beta 2 subunit [Source:HGNC	chr15:8332	NM_00127	XM_01152	.	.	NP_00126	.	protein_co	ENSG0000	8120	567
AP3D1	38.1474	41.9753	36.3072	41.3984	38.4826	34.904	adaptor related protein complex 3 delta 1 subunit [Source:HGNC	chr19:2100	NM_00126	XM_00672	.	.	NP_00124	XP_006722	protein_co	ENSG0000	8943	568
AP3M1	29.7832	29.6668	27.0822	21.5369	24.9893	24.763	adaptor related protein complex 3 mu 1 subunit [Source:HGNC Sy	chr10:7575	NM_00132	XM_01153	.	.	NP_00130	XP_006717	protein_co	ENSG0000	26985	569
AP3M2	15.1687	13.6263	14.9707	11.1767	13.353	10.8865	adaptor related protein complex 3 mu 2 subunit [Source:HGNC Sy	chr8:42010	NM_00113	XM_01701	.	.	NP_00112	XP_016868	protein_co	ENSG0000	10947	570
AP3S1	109.714	108.148	131.141	125.426	138.279	181.864	adaptor related protein complex 3 sigma 1 subunit [Source:HGNC	chr5:11516	NM_00128	XM_01154	.	.	NP_00127	.	protein_co	ENSG0000	1176	2013
AP3S2	11.3767	10.7938	12.4897	7.01649	8.88141	9.22964	adaptor related protein complex 3 sigma 2 subunit [Source:HGNC	chr15:9037	NM_00582	.	.	.	NP_00582	.	protein_co	ENSG0000	10239	571
AP4B1	7.83646	7.28887	7.51071	8.08953	6.82709	5.53828	adaptor related protein complex 4 beta 1 subunit [Source:HGNC	chr1:11443	NM_00125	XM_01154	.	.	NP_00124	XP_011538	protein_co	ENSG0000	10717	572
AP4E1	3.51877	3.14688	3.28082	2.89874	4.12795	4.3485	adaptor related protein complex 4 epsilon 1 subunit [Source:HGN	chr15:5120	NM_00125	XM_01152	.	.	NP_00123	XP_005254	protein_co	ENSG0000	23431	573
AP4M1	13.4294	11.5031	10.4376	9.47429	7.84074	9.16859	adaptor related protein complex 4 mu 1 subunit [Source:HGNC Sy	chr7:99690	NM_00472	XM_01151	.	.	NP_00471	XP_005250	protein_co	ENSG0000	9179	574
AP4S1	3.25683	2.67471	2.60557	4.67117	4.60174	3.56525	adaptor related protein complex 4 sigma 1 subunit [Source:HGNC	chr14:3134	NM_00112	XM_01153	.	.	NP_00112	XP_005267	protein_co	ENSG0000	11154	575
AP5B1	8.85149	10.2076	9.51304	10.5262	11.0259	8.38897	adaptor related protein complex 5 beta 1 subunit [Source:HGNC	chr11:6554	NM_13836	.	.	.	NP_61237	.	protein_co	ENSG0000	91056	25104
AP5M1	11.3523	10.3257	12.5913	9.30396	13.1122	13.5524	adaptor related protein complex 5 mu 1 subunit [Source:HGNC Sy	chr14:5766	NM_01822	XM_01153	.	.	NP_06069	XP_006720	protein_co	ENSG0000	55745	20192
AP5S1	5.31748	6.60969	4.20972	6.39167	5.26837	4.26818	adaptor related protein complex 5 sigma 1 subunit [Source:HGNC	chr20:3801	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	55317	15875
AP5Z1	8.67349	8.3357	7.59751	7.13762	5.08063	6.56589	adaptor related protein complex 5 zeta 1 subunit [Source:HGNC	chr7:48152	NM_01485	.	.	.	NP_05567	.	protein_co	ENSG0000	9907	22197
APAF1	5.38317	6.03454	7.61137	7.08465	8.86648	7.74218	apoptotic peptidase activating factor 1 [Source:HGNC Symbol;Acc	chr12:9903	NM_00116	XM_01153	.	.	NP_00115	XP_016874	protein_co	ENSG0000	317	576
APBA1	0.158313	0.102884	0.234873	0.210437	0.116453	0.288074	amyloid beta precursor protein binding family A member 1 [Sourc	chr9:72042	NM_00116	XM_01701	.	.	NP_00115	XP_005252	protein_co	ENSG0000	320	578
APBA2	0.01836	0.040683	0.053816	0	0.064717	0.068645	amyloid beta precursor protein binding family A member 2 [Sourc	chr15:2912	NM_00113	XM_01702	.	.	NP_00112	XP_011519	protein_co	ENSG0000	321	579
APBA3	11.9919	11.0547	9.52876	9.72283	8.15231	8.24446	amyloid beta precursor protein binding family A member 3 [Sourc	chr19:3750	NM_00488	XM_00672	.	.	NP_00487	XP_006723	protein_co	ENSG0000	9546	580
APBB1	5.06651	5.95815	7.78773	7.96166	5.48667	5.78346	amyloid beta precursor protein binding family B member 1 [Sourc	chr11:6416	NM_00116	XM_01701	NR_04751	.	NP_00115	XP_006718	protein_co	ENSG0000	322	581
APBB1IP	0	0	0	0	0	0	amyloid beta precursor protein binding family B member 1 intera	chr10:2672	NM_01904	XM_01151	.	.	NP_06191	XP_006717	protein_co	ENSG0000	54518	17379
APBB2	13.7034	13.4324	15.5796	9.09712	10.6238	15.9315	amyloid beta precursor protein binding family B member 2 [Sourc	chr4:40812	NM_00116	XM_01700	.	.	NP_00115	XP_005248	protein_co	ENSG0000	323	582
APBB3	5.80886	5.3435	6.51328	2.86403	3.64013	5.31498	amyloid beta precursor protein binding family B member 3 [Sourc	chr5:13993	NM_00605	.	NR_10688	.	NP_00604	.	protein_co	ENSG0000	102465499	20708
APC	4.72506	4.65681	4.74714	4.31638	5.23489	4.57254	APC, WNT signaling pathway regulator [Source:HGNC Symbol;Acc	chr5:11207	NM_00003	.	.	.	NP_00002	.	protein_co	ENSG0000	324	583
APC2	0.212707	0.220464	0.297633	0.155616	0.241176	0.21099	APC2, WNT signaling pathway regulator [Source:HGNC Symbol;Ac	chr19:1450	NM_00588	XM_00672	.	.	NP_00587	XP_005259	protein_co	ENSG0000	10297	24036
APCDD1	0	0	0	0	0	0	APC down-regulated 1 [Source:HGNC Symbol;Acc:HGNC:15718]	chr18:1045	NM_15300	.	.	.	NP_69454	.	protein_co	ENSG0000	147495	15718
APCDD1L	0	0	0	0	0	0	APC down-regulated 1 like [Source:HGNC Symbol;Acc:HGNC:2689	chr20:5703	NM_15336	.	.	.	NP_00129	.	protein_co	ENSG0000	164284	26892
APCS	0	0	0	0	0	0	amyloid P component, serum [Source:HGNC Symbol;Acc:HGNC:5	chr1:15955	NM_00163	.	.	.	NP_00163	.	protein_co	ENSG0000	325	584
APEH	80.4332	79.3885	86.2306	104.8	86.6407	96.5611	acylaminoacyl-peptide hydrolase [Source:HGNC Symbol;Acc:HGN	chr3:49711	NM_00164	XM_01153	.	.	NP_00163	XP_005265	protein_co	ENSG0000	327	586
APELA	0	0	0	0	0	0	apelin receptor early endogenous ligand [Source:HGNC Symbol;A	chr4:16579	NM_00129	.	.	.	NP_00128	XP_016863	protein_co	ENSG0000	100506013	48925
APEX1	230.617	222.6	191.785	240.66	212.464	168.537	apurinic/apyrimidinic endodeoxyribonuclease 1 [Source:HGNC Sy	chr14:2092	NM_00124	XM_00526	.	.	NP_00123	XP_005267	protein_co	ENSG0000	328	587
APEX2	16.6142	18.2745	19.5702	19.7353	16.1928	14.7737	apurinic/apyrimidinic endodeoxyribonuclease 2 [Source:HGNC Sy	chrX:55026	NM_01448	.	.	.	NP_05529	.	protein_co	ENSG0000	27301	17889
APH1A	97.8181	97.5373	87.9365	94.7582	76.9449	78.8172	aph-1 homolog A, gamma-secretase subunit [Source:HGNC Symb	chr1:15023	NM_00107	XM_00671	.	.	NP_00107	.	protein_co	ENSG0000	51107	29509
APH1B	2.33995	3.31865	4.0932	2.14927	2.51455	3.71838	aph-1 homolog B, gamma-secretase subunit [Source:HGNC Symb	chr15:6356	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	83464	24080
API5	58.5385	61.7972	59.299	60.9159	70.4603	63.5619	apoptosis inhibitor 5 [Source:HGNC Symbol;Acc:HGNC:594]	chr11:4333	NM_00114	XM_01701	.	.	NP_00113	XP_006718	protein_co	ENSG0000	8539	594
APIP	21.4284	20.8814	22.478	17.717	19.4325	22.7187	APAF1 interacting protein [Source:HGNC Symbol;Acc:HGNC:1758	chr11:3490	NM_01595	.	.	.	NP_05704	.	protein_co	ENSG0000	51074	17581
APITD1	15.148	14.6384	8.93643	15.8743	15.8007	11.0329	apoptosis-inducing, TAF9-like domain 1 [Source:HGNC Symbol;Ac	chr1:10490	NM_19929	.	.	.	NP_95498	.	protein_co	ENSG0000	378708	23163
APITD1-CORT	5.59505	7.36781	4.79058	6.2808	4.91818	4.6665	APITD1-CORT readthrough [Source:HGNC Symbol;Acc:HGNC:3884	chr1:10490	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	100526739	38843
APLF	0.710821	0.701702	0.674239	0.316552	0.370978	0.534785	aprataxin and PNKP like factor [Source:HGNC Symbol;Acc:HGNC:2	chr2:68870	NM_13896	.	.	.	NP_62041	.	protein_co	ENSG0000	200558	28724
APLN	0.525528	0.448315	0.359412	0.302113	0.347563	0.088035	apelin [Source:HGNC Symbol;Acc:HGNC:16665]	chrX:12877	NM_01741	.	.	.	NP_05910	.	protein_co	ENSG0000	8862	16665
APLNR	0	0	0	0	0	0	apelin receptor [Source:HGNC Symbol;Acc:HGNC:339]	chr11:5700	NM_00516	.	.	.	NP_00515	.	protein_co	ENSG0000	187	339
APLP1	12.2231	12.8154	19.801	15.021	13.5893	13.7991	amyloid beta precursor like protein 1 [Source:HGNC Symbol;Acc:	chr19:3635	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	333	597
APLP2	91.7586	97.171	104.424	113.34	109.262	130.036	amyloid beta precursor like protein 2 [Source:HGNC Symbol;Acc:	chr11:1299	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	334	598
APMAP	65.2679	66.0127	59.4395	81.3058	75.1921	74.9353	adipocyte plasma membrane associated protein [Source:HGNC Sy	chr20:2494	NM_02053	XM_00526	.	.	NP_06539	XP_005260	protein_co	ENSG0000	57136	13238
APOA1	0.094426	0	0.27172	0	0.555458	0.236858	apolipoprotein A1 [Source:HGNC Symbol;Acc:HGNC:600]	chr11:1167	NM_00003	XM_00527	.	.	NP_00003	XP_005271	protein_co	ENSG0000	335	600
APOA2	0.237269	0	0.216807	0	0.283417	0	apolipoprotein A2 [Source:HGNC Symbol;Acc:HGNC:601]	chr1:16118	NM_00164	.	.	.	NP_00163	.	protein_co	ENSG0000	336	601
APOA4	0	0.041567	0	0	0	0	apolipoprotein A4 [Source:HGNC Symbol;Acc:HGNC:602]	chr11:1166	NM_00048	.	.	.	NP_00047	.	protein_co	ENSG0000	337	602
APOA5	0	0	0	0.044692	0.048357	0	apolipoprotein A5 [Source:HGNC Symbol;Acc:HGNC:17288]	chr11:1166	NM_00116	.	.	.	NP_00116	XP_016872	protein_co	ENSG0000	116519	17288
APOB	0	0	0	0	0	0	apolipoprotein B [Source:HGNC Symbol;Acc:HGNC:603]	chr2:21224	NM_00038	XM_01153	.	.	NP_00037	.	protein_co	ENSG0000	338	603
APOBEC1	0	0	0	0	0.112605	0	apolipoprotein B mRNA editing enzyme catalytic subunit 1 [Sourc	chr12:7801	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	339	604
APOBEC2	0	0	0	0	0	0	apolipoprotein B mRNA editing enzyme catalytic subunit 2 [Sourc	chr6:41021	NM_00678	.	.	.	NP_00678	.	protein_co	ENSG0000	10930	605
APOBEC3A	4.58E-27	2.65E-33	1.29E-33	1.25E-60	3.27E-57	7.73E-55	apolipoprotein B mRNA editing enzyme catalytic subunit 3A [Sour	chr22:3934	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	100913187	17343
APOBEC3B	24.7719	24.3227	10.8868	15.3696	11.3338	7.8952	apolipoprotein B mRNA editing enzyme catalytic subunit 3B [Sour	chr22:3934	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	9582	17352
APOBEC3C	35.3541	36.6831	45.1546	34.481	34.0891	26.4355	apolipoprotein B mRNA editing enzyme catalytic subunit 3C [Sour	chr22:3941	NM_01450	.	.	.	NP_05532	.	protein_co	ENSG0000	27350	17353
APOBEC3D	1.07064	0.940821	1.18641	1.46686	1.18537	0.993714	apolipoprotein B mRNA editing enzyme catalytic subunit 3D [Sour	chr22:3941	NM_15242	XM_00526	.	.	NP_68963	XP_005261	protein_co	ENSG0000	140564	17354
APOBEC3F	5.46082	5.70098	5.09968	2.88273	2.97014	4.7414	apolipoprotein B mRNA editing enzyme catalytic subunit 3F [Sour	chr22:3943	NM_00100	XM_01152	.	.	NP_00100	XP_011528	protein_co	ENSG0000	200316	17356

APOBEC3G	0.220612	0.037683	0.339385	0	0.083306	0.038389	apolipoprotein B mRNA editing enzyme catalytic subunit 3G [Sou	chr22:3943	NM_02182	XM_00672	.	.	NP_06859	XP_006724	protein_co	ENSG0000	60489	17357
APOBEC3H	2.55689	2.41655	4.15982	3.59869	2.29393	1.28182	apolipoprotein B mRNA editing enzyme catalytic subunit 3H [Sou	chr22:3949	NM_00116	XM_01152	.	.	NP_00115	XP_011528	protein_co	ENSG0000	164668	24100
APOBEC4	0	0	0	0	0	0	apolipoprotein B mRNA editing enzyme catalytic polypeptide like	chr1:18360	NM_20345	.	.	.	NP_98227	.	protein_co	ENSG0000	403314	32152
APOBR	0.042458	0.013807	0.050043	0.045178	0	0.079844	apolipoprotein B receptor [Source:HGNC Symbol;Acc:HGNC:2408	chr16:2848	NM_01869	.	.	.	NP_06116	.	protein_co	ENSG0000	55911	24087
APOC1	0.464229	0.149587	0.434833	0.405149	0	0.16861	apolipoprotein C1 [Source:HGNC Symbol;Acc:HGNC:607]	chr19:4541	NM_00132	XM_00525	.	.	NP_00130	XP_005258	protein_co	ENSG0000	341	607
APOC2	0	0	0	0	0	0	apolipoprotein C2 [Source:HGNC Symbol;Acc:HGNC:609]	chr19:4544	.	.	.	.	.	.	protein_co	ENSG0000	.	609
APOC3	0	0	0	0	0	0	apolipoprotein C3 [Source:HGNC Symbol;Acc:HGNC:610]	chr11:1167	NM_00004	.	.	.	NP_00003	.	protein_co	ENSG0000	345	610
APOC4	0	0	0	0	0	0	apolipoprotein C4 [Source:HGNC Symbol;Acc:HGNC:611]	chr19:4544	NM_00164	.	.	.	NP_00163	.	protein_co	ENSG0000	346	611
APOC4-APOC2	0	0	0	0	0	0	APOC4-APOC2 readthrough (NMD candidate) [Source:HGNC Sym	chr19:4544	NM_00048	.	.	.	NP_00047	.	protein_co	ENSG0000	344	44426
APOD	0.732939	0.962005	1.26862	0.955044	0.452447	0.826157	apolipoprotein D [Source:HGNC Symbol;Acc:HGNC:612]	chr3:19529	NM_00164	.	.	.	NP_00163	.	protein_co	ENSG0000	347	612
APOE	0.351802	0.914993	1.42382	1.7543	0.421011	1.82479	apolipoprotein E [Source:HGNC Symbol;Acc:HGNC:613]	chr19:4540	NM_00004	.	.	.	NP_00003	.	protein_co	ENSG0000	348	613
APOF	0	0	0	0	0	0	apolipoprotein F [Source:HGNC Symbol;Acc:HGNC:615]	chr12:5675	NM_00163	.	.	.	NP_00162	.	protein_co	ENSG0000	319	615
APOH	0	0	0	0	0	0	apolipoprotein H [Source:HGNC Symbol;Acc:HGNC:616]	chr17:6420	NM_00004	.	.	.	NP_00003	.	protein_co	ENSG0000	350	616
APOL1	0.210528	0.298731	0.215754	0.148238	0.204825	0.129024	apolipoprotein L1 [Source:HGNC Symbol;Acc:HGNC:618]	chr22:3664	NM_00113	XM_00526	.	.	NP_00113	XP_005261	protein_co	ENSG0000	8542	618
APOL2	8.14707	7.18046	5.20125	5.01404	4.70186	3.33409	apolipoprotein L2 [Source:HGNC Symbol;Acc:HGNC:619]	chr22:3662	NM_03088	XM_01702	.	.	NP_11209	XP_011528	protein_co	ENSG0000	23780	619
APOL3	0.375281	0.609887	0	0.361673	0.364332	0.201289	apolipoprotein L3 [Source:HGNC Symbol;Acc:HGNC:14868]	chr22:3653	NM_01434	XM_01702	.	.	NP_05516	XP_006724	protein_co	ENSG0000	80833	14868
APOL4	0	0	0	0	0	0.020976	apolipoprotein L4 [Source:HGNC Symbol;Acc:HGNC:14867]	chr22:3658	NM_03064	.	.	.	NP_08514	.	protein_co	ENSG0000	80832	14867
APOL5	0	0	0	0	0	0	apolipoprotein L5 [Source:HGNC Symbol;Acc:HGNC:14869]	chr22:3611	NM_03064	.	.	.	.	.	protein_co	ENSG0000	80831	14869
APOL6	0.751426	0.647582	0.218101	0.229588	0.322123	0.538753	apolipoprotein L6 [Source:HGNC Symbol;Acc:HGNC:14870]	chr22:3604	NM_03064	XM_01153	.	.	NP_08514	XP_011528	protein_co	ENSG0000	80830	14870
APOLD1	1.3607	1.18578	0.969901	1.60085	1.86932	3.4323	apolipoprotein L domain containing 1 [Source:HGNC Symbol;Acc:	chr12:1287	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	81575	25268
APOM	1.94794	2.32798	1.08184	0.916496	1.56295	1.39367	apolipoprotein M [Source:HGNC Symbol;Acc:HGNC:13916]	chr6:31606	NM_00125	XM_00671	.	.	NP_00124	XP_006715	protein_co	ENSG0000	55937	13916
APOO	13.9772	15.4919	14.5593	17.9537	17.8411	16.9824	apolipoprotein O [Source:HGNC Symbol;Acc:HGNC:28727]	chrX:23851	NM_02412	XM_01154	.	.	NP_07702	XP_011543	protein_co	ENSG0000	79135	28727
APOOL	7.09272	6.28648	6.62848	7.11683	6.6182	7.90091	apolipoprotein O like [Source:HGNC Symbol;Acc:HGNC:24009]	chrX:84258	NM_19845	XM_01153	.	.	NP_94085	XP_011529	protein_co	ENSG0000	139322	24009
APOPT1	13.896	10.2119	10.2839	12.3188	11.5114	12.1252	apoptogenic 1, mitochondrial [Source:HGNC Symbol;Acc:HGNC:2	chr14:1040	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	84334	20492
APP	96.6501	104.214	116.617	81.8078	80.3874	83.1144	amyloid beta precursor protein [Source:HGNC Symbol;Acc:HGNC	chr21:2725	NM_00048	.	.	.	NP_00047	.	protein_co	ENSG0000	351	620
APPBP2	9.79603	9.37974	12.7888	9.60703	12.8273	14.8355	amyloid beta precursor protein binding protein 2 [Source:HGNC S	chr17:5852	NM_00128	XM_01152	.	.	NP_00126	XP_011522	protein_co	ENSG0000	10513	622
APPL1	8.73013	9.39103	9.24476	8.41871	10.0735	10.7524	adaptor protein, phosphotyrosine interacting with PH domain an	chr3:57261	NM_01209	XM_01153	.	.	NP_03622	XP_011531	protein_co	ENSG0000	26060	24035
APPL2	9.6397	9.37567	11.5889	8.6808	9.29929	10.6383	adaptor protein, phosphotyrosine interacting with PH domain an	chr12:1055	NM_00125	XM_01153	.	.	NP_00123	XP_006719	protein_co	ENSG0000	55198	18242
APRT	228.539	220.874	196.532	247.353	185.978	193.957	adenine phosphoribosyltransferase [Source:HGNC Symbol;Acc:H	chr16:8887	NM_00048	.	.	.	NP_00047	.	protein_co	ENSG0000	353	626
APTX	30.4268	25.0723	24.9525	35.9192	32.3217	27.162	aprataxin [Source:HGNC Symbol;Acc:HGNC:15984]	chr9:32972	NM_00119	XM_01701	.	.	NP_00118	XP_006716	protein_co	ENSG0000	54840	15984
AQP1	0.527495	0.758556	1.04375	1.18004	0.825562	0.899006	aquaporin 1 (Colton blood group) [Source:HGNC Symbol;Acc:HGN	chr7:30811	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	358	633
AQP10	0	0	0	0	0	0	aquaporin 10 [Source:HGNC Symbol;Acc:HGNC:16029]	chr1:15429	NM_08042	XM_01151	.	.	NP_53635	XP_011508	protein_co	ENSG0000	89872	16029
AQP11	0.2948	0.101766	0.29537	0.109685	0.219992	0.049572	aquaporin 11 [Source:HGNC Symbol;Acc:HGNC:19940]	chr11:7730	NM_17303	.	.	.	NP_76662	.	protein_co	ENSG0000	282679	19940
AQP12A	0	0	0	0	0	0	aquaporin 12A [Source:HGNC Symbol;Acc:HGNC:19941]	chr2:24163	NM_19899	.	.	.	NP_94534	.	protein_co	ENSG0000	375318	19941
AQP12B	0	0	0	0	0	0	aquaporin 12B [Source:HGNC Symbol;Acc:HGNC:6096]	chr2:24161	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	653437	6096
AQP2	0	0	0	0	0.021982	0	aquaporin 2 [Source:HGNC Symbol;Acc:HGNC:634]	chr12:5034	NM_00048	.	.	.	NP_00047	.	protein_co	ENSG0000	359	634
AQP3	3.13774	2.56038	4.72546	2.80522	2.60445	2.16872	aquaporin 3 (Gill blood group) [Source:HGNC Symbol;Acc:HGNC:6	chr9:33441	NM_00492	.	.	.	NP_00491	.	protein_co	ENSG0000	360	636
AQP4	0.111232	0	0.0443	0	0	0	aquaporin 4 [Source:HGNC Symbol;Acc:HGNC:637]	chr18:2443	NM_00131	XM_01152	.	.	NP_00130	XP_011524	protein_co	ENSG0000	361	637
AQP5	0.066108	0	0	0	0.231496	0.073541	aquaporin 5 [Source:HGNC Symbol;Acc:HGNC:638]	chr12:5035	NM_00165	.	.	.	NP_00164	.	protein_co	ENSG0000	362	638
AQP6	0.035888	0	0.031062	0.210982	0.15285	0.038421	aquaporin 6 [Source:HGNC Symbol;Acc:HGNC:639]	chr12:5036	NM_00165	.	.	.	NP_00164	.	protein_co	ENSG0000	363	639
AQP7	0.153781	0	0	0	0	0.163347	aquaporin 7 [Source:HGNC Symbol;Acc:HGNC:640]	chr9:33383	NM_00117	XM_01151	.	.	NP_00116	XP_005251	protein_co	ENSG0000	364	640
AQP8	0	0.136208	0	0	0	0	aquaporin 8 [Source:HGNC Symbol;Acc:HGNC:642]	chr16:2522	NM_00116	XM_01154	.	.	NP_00116	XP_011544	protein_co	ENSG0000	343	642
AQP9	0	0	0	0	0	0	aquaporin 9 [Source:HGNC Symbol;Acc:HGNC:643]	chr15:5824	NM_02098	.	.	.	NP_00130	.	protein_co	ENSG0000	366	643
AQR	5.47086	5.42742	5.79812	8.38064	10.2035	9.21966	aquarius intron-binding spliceosomal factor [Source:HGNC Symbo	chr15:3514	NM_01469	.	.	.	NP_05550	.	protein_co	ENSG0000	9716	29513
AR	0	0.046332	0	0	0	0	androgen receptor [Source:HGNC Symbol;Acc:HGNC:644]	chrX:66763	NM_00004	.	.	.	NP_00003	.	protein_co	ENSG0000	367	644
ARAF	18.3285	19.5067	17.4567	22.8433	18.9175	15.1039	A-Raf proto-oncogene, serine/threonine kinase [Source:HGNC Sy	chrX:47420	NM_00125	XM_01154	.	.	NP_00124	XP_006724	protein_co	ENSG0000	369	646
ARAP1	16.3357	17.691	18.325	16.5782	15.9381	14.3226	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 1 [S	chr11:7239	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	116985	16925
ARAP2	2.57733	2.52655	3.32637	1.26708	2.09952	2.58848	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2 [S	chr4:36067	NM_01523	XM_01700	.	.	NP_05604	XP_016863	protein_co	ENSG0000	116984	16924
ARAP3	5.48605	5.10921	6.36991	6.19489	6.16933	4.62125	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 3 [S	chr5:14103	NM_02248	XM_01153	.	.	NP_07192	XP_005268	protein_co	ENSG0000	64411	24097
ARC	8.46952	9.2716	8.88456	8.62209	7.45015	8.51301	activity regulated cytoskeleton associated protein [Source:HGNC	chr8:14369	NM_01519	.	.	.	NP_05600	.	protein_co	ENSG0000	23237	648
ARCN1	96.788	97.0501	99.4672	89.1341	102.361	100.448	archain 1 [Source:HGNC Symbol;Acc:HGNC:649]	chr11:1184	NM_00114	XM_00527	.	.	NP_00113	XP_005271	protein_co	ENSG0000	372	649
AREG	20.6918	23.3855	24.3032	47.0465	42.5242	73.0945	amphiregulin [Source:HGNC Symbol;Acc:HGNC:651]	chr4:75310	NM_00165	.	.	.	NP_00164	.	protein_co	ENSG0000	374	651
AREGB	0	0	0	0	0	0.056495	amphiregulin B [Source:HGNC Symbol;Acc:34509]	chr4:75480	.	.	.	.	.	.	protein_co	ENSG0000	374	34509
AREL1	21.3655	23.3946	20.0705	20.5759	21.4613	18.2479	apoptosis resistant E3 ubiquitin protein ligase 1 [Source:HGNC Sy	chr14:7512	NM_00103	XM_01153	.	.	NP_00103	XP_005268	protein_co	ENSG0000	9870	20363
ARF1	291.255	293.332	252.28	345.144	303.885	279.198	ADP ribosylation factor 1 [Source:HGNC Symbol;Acc:HGNC:652]	chr1:22827	NM_00102	.	NR_03741	.	NP_00101	.	protein_co	ENSG0000	10050081	652
ARF3	79.9858	78.8496	86.3832	69.7414	66.7485	73.1978	ADP ribosylation factor 3 [Source:HGNC Symbol;Acc:HGNC:654]	chr12:4929	NM_00165	XM_01153	.	.	NP_00165	XP_005268	protein_co	ENSG0000	377	654
ARF4	134.791	131.307	126.095	141.105	129.423	137.049	ADP ribosylation factor 4 [Source:HGNC Symbol;Acc:HGNC:655]	chr3:57557	NM_00166	.	.	.	NP_00165	.	protein_co	ENSG0000	378	655
ARF5	203.338	188.602	225.707	145.506	117.452	157.771	ADP ribosylation factor 5 [Source:HGNC Symbol;Acc:HGNC:658]	chr7:12722	NM_00166	.	.	.	NP_00165	.	protein_co	ENSG0000	381	658
ARF6	53.0511	58.3438	46.8954	58.2645	61.7555	69.037	ADP ribosylation factor 6 [Source:HGNC Symbol;Acc:HGNC:659]	chr14:5035	NM_00166	.	.	.	NP_00165	.	protein_co	ENSG0000	382	659

ARFGAP1	26.6913	26.0558	30.5009	30.1492	27.0669	19.875	ADP ribosylation factor GTPase activating protein 1 [Source:HGNC	chr20:6190	NM_00128	XM_01152	NR_10402	.	NP_00126	XP_006723	protein_co	ENSG0000	55738	15852
ARFGAP2	29.5397	29.9852	23.3547	33.1299	28.1894	20.0268	ADP ribosylation factor GTPase activating protein 2 [Source:HGNC	chr11:4695	NM_00124	XM_01701	.	.	NP_00122	XP_005253	protein_co	ENSG0000	84364	13504
ARFGAP3	7.92615	7.17524	11.8434	7.81454	8.10817	9.96436	ADP ribosylation factor GTPase activating protein 3 [Source:HGNC	chr22:4319	NM_00114	XM_00526	.	.	NP_00113	XP_005261	protein_co	ENSG0000	26286	661
ARFGEF1	5.80498	5.53845	6.10778	4.42492	6.20105	6.20321	ADP ribosylation factor guanine nucleotide exchange factor 1 [So	chr8:68109	NM_00642	XM_01151	.	.	NP_00641	XP_005251	protein_co	ENSG0000	10565	15772
ARFGEF2	9.17217	9.69127	8.68742	7.69279	8.75003	8.56072	ADP ribosylation factor guanine nucleotide exchange factor 2 [So	chr20:4753	NM_00642	XM_00526	.	.	NP_00641	XP_005260	protein_co	ENSG0000	10564	15853
ARFGEF3	1.87627	1.80694	1.98705	1.00899	1.24008	1.17745	ARFGEF family member 3 [Source:HGNC Symbol;Acc:HGNC:21213	chr6:13848	NM_02034	.	.	.	NP_06507	.	protein_co	ENSG0000	57221	21213
ARFIP1	15.6063	18.1262	17.1748	17.3858	19.7482	20.6598	ADP ribosylation factor interacting protein 1 [Source:HGNC Symb	chr4:15370	NM_00102	XM_01153	.	.	NP_00102	XP_011530	protein_co	ENSG0000	27236	21496
ARFIP2	45.2057	45.5737	53.3627	43.0231	37.6655	36.0982	ADP ribosylation factor interacting protein 2 [Source:HGNC Symb	chr11:6495	NM_00124	XM_00525	.	.	NP_00122	XP_005252	protein_co	ENSG0000	23647	17160
ARFRP1	25.922	25.8033	19.5695	15.8847	15.1204	11.2862	ADP ribosylation factor related protein 1 [Source:HGNC Symbol;A	chr20:6232	NM_00113	XM_01152	.	.	NP_00112	XP_011526	protein_co	ENSG0000	10139	662
ARG1	0	0	0	0	0	0	arginase 1 [Source:HGNC Symbol;Acc:HGNC:663]	chr6:13189	NM_00004	.	.	.	NP_00003	.	protein_co	ENSG0000	383	663
ARG2	6.56024	6.90543	4.58852	9.29056	8.42031	11.392	arginase 2 [Source:HGNC Symbol;Acc:HGNC:664]	chr14:6808	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	384	664
ARGFX	0	0	0	0	0	0	arginine-fifty homeobox [Source:HGNC Symbol;Acc:HGNC:30146]	chr3:12128	NM_00101	XM_00524	.	.	NP_00101	XP_005247	protein_co	ENSG0000	503582	30146
ARGLU1	37.0626	39.8953	37.8881	39.646	35.0207	34.7362	arginine and glutamate rich 1 [Source:HGNC Symbol;Acc:HGNC:2	chr13:1071	NM_01801	.	.	.	NP_06048	.	protein_co	ENSG0000	55082	25482
ARHGAP1	19.5183	19.7848	19.7877	18.2844	17.1576	13.1729	Rho GTPase activating protein 1 [Source:HGNC Symbol;Acc:HGNC	chr11:4669	NM_00430	XM_01152	.	.	NP_00429	XP_011518	protein_co	ENSG0000	392	673
ARHGAP10	7.3729	8.02139	8.14801	10.2707	9.20534	8.50978	Rho GTPase activating protein 10 [Source:HGNC Symbol;Acc:HGN	chr4:14865	NM_02460	XM_01153	.	.	NP_07888	XP_005263	protein_co	ENSG0000	79658	26099
ARHGAP11A	26.0097	24.1758	27.1142	30.3039	45.4821	33.3513	Rho GTPase activating protein 11A [Source:HGNC Symbol;Acc:HG	chr15:3290	NM_00128	XM_01152	.	.	NP_00127	XP_011520	protein_co	ENSG0000	9824	15783
ARHGAP11B	3.13206	2.64426	3.58657	3.57149	3.85631	4.60588	Rho GTPase activating protein 11B [Source:HGNC Symbol;Acc:HG	chr15:3091	NM_00103	.	NR_03825	.	NP_00103	.	protein_co	ENSG0000	100288637	15782
ARHGAP12	29.3185	28.997	32.7692	27.8223	35.0342	37.5093	Rho GTPase activating protein 12 [Source:HGNC Symbol;Acc:HGN	chr10:3209	NM_00127	XM_01151	.	.	NP_00125	XP_005252	protein_co	ENSG0000	94134	16348
ARHGAP15	0	0	0	0	0	0	Rho GTPase activating protein 15 [Source:HGNC Symbol;Acc:HGN	chr2:14384	NM_01846	XM_01700	.	.	NP_06093	XP_011509	protein_co	ENSG0000	55843	21030
ARHGAP17	10.9912	11.8543	10.2424	11.8542	12.3827	10.0008	Rho GTPase activating protein 17 [Source:HGNC Symbol;Acc:HGN	chr16:2493	NM_00100	XM_01154	.	.	NP_00100	XP_011544	protein_co	ENSG0000	55114	18239
ARHGAP18	27.8902	28.6066	28.1831	38.3775	42.9225	48.7863	Rho GTPase activating protein 18 [Source:HGNC Symbol;Acc:HGN	chr6:12989	NM_03351	XM_00526	.	.	NP_27705	XP_005267	protein_co	ENSG0000	93663	21035
ARHGAP19	11.7621	11.9275	13.0524	15.171	16.1567	18.5761	Rho GTPase activating protein 19 [Source:HGNC Symbol;Acc:HGN	chr10:9898	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	84986	23724
ARHGAP20	0	0	0.011174	0	0	0	Rho GTPase activating protein 20 [Source:HGNC Symbol;Acc:HGN	chr11:1104	NM_00125	XM_00671	.	.	NP_00124	XP_005271	protein_co	ENSG0000	57569	18357
ARHGAP21	9.63759	9.1559	9.26545	9.09624	10.04	10.1678	Rho GTPase activating protein 21 [Source:HGNC Symbol;Acc:HGN	chr10:2487	NM_02082	XM_01701	.	.	NP_06587	XP_005252	protein_co	ENSG0000	57584	23725
ARHGAP22	5.05066	4.08928	4.48774	5.47302	4.82404	3.28039	Rho GTPase activating protein 22 [Source:HGNC Symbol;Acc:HGN	chr10:4965	NM_00125	XM_01154	.	.	NP_00124	XP_005270	protein_co	ENSG0000	58504	30320
ARHGAP23	7.32229	7.51268	8.50251	7.16258	7.21644	6.04203	Rho GTPase activating protein 23 [Source:HGNC Symbol;Acc:HGN	chr17:3658	NM_00119	XM_01152	.	.	NP_00118	XP_006722	protein_co	ENSG0000	57636	29293
ARHGAP24	0.513735	0.65507	0.979781	0.21466	0.240873	0.475434	Rho GTPase activating protein 24 [Source:HGNC Symbol;Acc:HGN	chr4:86396	NM_00102	XM_01153	.	.	NP_00102	XP_005263	protein_co	ENSG0000	83478	25361
ARHGAP25	0	0	0	0	0	0.030463	Rho GTPase activating protein 25 [Source:HGNC Symbol;Acc:HGN	chr2:68961	NM_00100	XM_01153	.	.	NP_00100	XP_005264	protein_co	ENSG0000	9938	28951
ARHGAP26	5.39377	5.49741	6.38571	6.70813	7.61009	7.87735	Rho GTPase activating protein 26 [Source:HGNC Symbol;Acc:HGN	chr5:14214	NM_00113	XM_00526	.	.	NP_00112	XP_005268	protein_co	ENSG0000	23092	17073
ARHGAP27	17.7478	17.7159	17.9812	18.8833	18.9434	16.0059	Rho GTPase activating protein 27 [Source:HGNC Symbol;Acc:HGN	chr17:4347	NM_00128	XM_01152	.	.	NP_00126	XP_005257	protein_co	ENSG0000	201176	31813
ARHGAP28	0	0	0	0	0	0	Rho GTPase activating protein 28 [Source:HGNC Symbol;Acc:HGN	chr18:6729	NM_00101	XM_00525	.	.	NP_00101	XP_005258	protein_co	ENSG0000	79822	25509
ARHGAP29	51.822	50.3825	73.473	40.0733	52.4863	55.8551	Rho GTPase activating protein 29 [Source:HGNC Symbol;Acc:HGN	chr1:94637	NM_00481	XM_01154	.	.	NP_00131	XP_011540	protein_co	ENSG0000	9411	30207
ARHGAP30	0.014504	0.01988	0.102019	0.085007	0.100055	0.10959	Rho GTPase activating protein 30 [Source:HGNC Symbol;Acc:HGN	chr1:16101	NM_00102	XM_01150	.	.	NP_00102	XP_005245	protein_co	ENSG0000	257106	27414
ARHGAP31	0.69301	0.881671	0.735808	0.561097	0.552709	0.759907	Rho GTPase activating protein 31 [Source:HGNC Symbol;Acc:HGN	chr3:11901	NM_02075	XM_00671	.	.	NP_06580	XP_006713	protein_co	ENSG0000	57514	29216
ARHGAP32	4.81776	5.29258	5.19015	4.43902	5.62085	6.73654	Rho GTPase activating protein 32 [Source:HGNC Symbol;Acc:HGN	chr11:1288	NM_00114	XM_01701	.	.	NP_00113	XP_005271	protein_co	ENSG0000	9743	17399
ARHGAP33	2.60734	2.94336	3.22677	3.92025	3.41109	2.98446	Rho GTPase activating protein 33 [Source:HGNC Symbol;Acc:HGN	chr19:3626	NM_00117	XM_01152	.	.	NP_00116	XP_005258	protein_co	ENSG0000	115703	23085
ARHGAP35	14.2569	15.185	14.969	15.294	15.7065	16.9282	Rho GTPase activating protein 35 [Source:HGNC Symbol;Acc:HGN	chr19:4742	NM_00449	XM_01702	.	.	NP_00448	XP_011525	protein_co	ENSG0000	2909	4591
ARHGAP36	0	0	0	0	0	0	Rho GTPase activating protein 36 [Source:HGNC Symbol;Acc:HGN	chrX:13019	NM_00128	XM_01153	.	.	NP_00126	XP_006724	protein_co	ENSG0000	158763	26388
ARHGAP39	8.56654	9.75524	9.79176	9.46788	8.10377	7.88328	Rho GTPase activating protein 39 [Source:HGNC Symbol;Acc:HGN	chr8:14575	NM_00130	XM_01701	.	.	NP_00129	XP_005272	protein_co	ENSG0000	80728	29351
ARHGAP4	17.1584	17.0765	21.0301	20.9844	18.5079	12.822	Rho GTPase activating protein 4 [Source:HGNC Symbol;Acc:HGNC	chrX:15317	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	393	674
ARHGAP40	1.20999	1.00195	1.27625	0.87547	0.707121	1.68797	Rho GTPase activating protein 40 [Source:HGNC Symbol;Acc:HGN	chr20:3723	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	343578	16226
ARHGAP42	2.48604	2.46394	3.00312	2.35348	2.88264	3.41897	Rho GTPase activating protein 42 [Source:HGNC Symbol;Acc:HGN	chr11:1005	NM_15243	XM_01154	.	.	NP_68964	XP_011540	protein_co	ENSG0000	143872	26545
ARHGAP44	3.01997	2.89142	3.04519	3.25835	2.85963	3.34722	Rho GTPase activating protein 44 [Source:HGNC Symbol;Acc:HGN	chr17:1269	NM_00132	XM_00672	.	.	NP_00130	XP_005256	protein_co	ENSG0000	9912	29096
ARHGAP45	7.30443	7.74204	8.52763	7.10347	5.85761	5.83218	Rho GTPase activating protein 45 [Source:HGNC Symbol;Acc:HGN	chr19:1065	NM_00125	XM_01152	.	.	NP_00124	XP_006722	protein_co	ENSG0000	23526	17102
ARHGAP5	11.738	13.7049	12.9026	12.8535	16.7109	19.0984	Rho GTPase activating protein 5 [Source:HGNC Symbol;Acc:HGNC	chr14:3254	NM_00103	XM_00526	.	.	NP_00102	XP_005267	protein_co	ENSG0000	394	675
ARHGAP6	0	0	0	0	0	0.021441	Rho GTPase activating protein 6 [Source:HGNC Symbol;Acc:HGNC	chrX:11155	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	395	676
ARHGAP8	18.7709	18.2125	23.4526	23.2486	19.8666	19.1444	Rho GTPase activating protein 8 [Source:HGNC Symbol;Acc:HGNC	chr22:4506	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	23779	677
ARHGAP9	0.21296	0.07063	0.030664	0.192104	0	0.077454	Rho GTPase activating protein 9 [Source:HGNC Symbol;Acc:HGNC	chr12:5785	NM_00108	XM_01153	.	.	NP_00107	XP_005269	protein_co	ENSG0000	64333	14130
ARHGDIA	213.689	228.605	188.02	305.822	253.169	185.979	Rho GDP dissociation inhibitor alpha [Source:HGNC Symbol;Acc:H	chr17:7982	NM_00118	XM_01152	.	.	NP_00117	XP_011521	protein_co	ENSG0000	396	678
ARHGDIB	0.830887	0.74408	0.663112	1.95838	1.73557	0.884903	Rho GDP dissociation inhibitor beta [Source:HGNC Symbol;Acc:HG	chr12:1509	NM_00117	XM_01152	.	.	NP_00116	XP_011518	protein_co	ENSG0000	397	679
ARHGDIG	0	0	0	0	0	0	Rho GDP dissociation inhibitor gamma [Source:HGNC Symbol;Acc	chr16:3306	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	398	680
ARHGEF1	27.3812	26.3941	29.1971	29.8242	25.5503	24.8412	Rho guanine nucleotide exchange factor 1 [Source:HGNC Symbol;	chr19:4238	NM_00470	XM_01152	NR_13562	.	NP_00469	XP_005259	protein_co	ENSG0000	100505585	681
ARHGEF10	12.9433	13.3301	17.857	11.6286	12.8248	13.9739	Rho guanine nucleotide exchange factor 10 [Source:HGNC Symbo	chr8:17721	NM_00130	XM_01701	.	.	NP_00129	XP_005266	protein_co	ENSG0000	9639	14103
ARHGEF10L	5.04299	5.01653	4.75619	5.31102	4.4335	4.52068	Rho guanine nucleotide exchange factor 10 like [Source:HGNC Sy	chr1:17866	NM_00101	XM_01700	.	.	NP_00101	XP_005245	protein_co	ENSG0000	55160	25540
ARHGEF11	7.76231	8.30671	7.33889	6.89216	7.27042	7.01095	Rho guanine nucleotide exchange factor 11 [Source:HGNC Symbo	chr1:15690	NM_01478	XM_01700	.	.	NP_05559	XP_005245	protein_co	ENSG0000	9826	14580
ARHGEF12	25.4595	28.4389	26.4924	29.2372	33.266	38.1639	Rho guanine nucleotide exchange factor 12 [Source:HGNC Symbo	chr11:1202	NM_00119	XM_01701	.	.	NP_00118	XP_006718	protein_co	ENSG0000	23365	14193
ARHGEF15	0	0	0	0.019537	0	0	Rho guanine nucleotide exchange factor 15 [Source:HGNC Symbo	chr17:8213	NM_02501	XM_01152	.	.	NP_07929	XP_011522	protein_co	ENSG0000	22899	15590
ARHGEF16	12.6332	13.2559	14.8333	14.0203	10.4826	11.7092	Rho guanine nucleotide exchange factor 16 [Source:HGNC Symbo	chr1:33709	NM_01444	XM_01700	.	.	NP_05526	XP_016856	protein_co	ENSG0000	27237	15515
ARHGEF17	3.7221	3.96036	4.6237	3.41923	3.27828	4.09723	Rho guanine nucleotide exchange factor 17 [Source:HGNC Symbo	chr11:7301	NM_01478	XM_01154	.	.	NP_05560	.	protein_co	ENSG0000	9828	21726

ARHGEF18	9.18692	9.1573	9.11428	9.73171	9.70095	8.85674	Rho/Rac guanine nucleotide exchange factor 18 [Source:HGNC Sy	chr19:7413	NM_00113	XM_01152	.	.	NP_001124	XP_006722	protein_co	ENSG0000	23370	17090
ARHGEF19	23.3787	22.4709	22.36	26.8182	24.036	17.3847	Rho guanine nucleotide exchange factor 19 [Source:HGNC Symbo	chr1:16524	NM_15321	XM_01154	.	.	NP_694945	XP_011539	protein_co	ENSG0000	128272	26604
ARHGEF2	16.7498	16.9301	12.949	14.7486	14.7096	25.9892	Rho/Rac guanine nucleotide exchange factor 2 [Source:HGNC Syn	chr1:15591	NM_00116	XM_01700	.	.	NP_001155	XP_005245	protein_co	ENSG0000	9181	682
ARHGEF25	1.24786	1.02355	1.5932	1.19822	1.33012	1.38831	Rho guanine nucleotide exchange factor 25 [Source:HGNC Symbo	chr12:5800	NM_00111	.	.	.	NP_001104	.	protein_co	ENSG0000	115557	30275
ARHGEF26	2.60033	2.9117	4.06121	4.30746	3.99272	4.34933	Rho guanine nucleotide exchange factor 26 [Source:HGNC Symbo	chr3:15383	NM_00125	XM_01151	.	.	NP_001238	XP_011510	protein_co	ENSG0000	26084	24490
ARHGEF28	1.60519	1.89754	2.12082	1.51753	1.78966	2.39427	Rho guanine nucleotide exchange factor 28 [Source:HGNC Symbo	chr5:72921	NM_00108	XM_01154	.	.	NP_001073	XP_005248	protein_co	ENSG0000	64283	30322
ARHGEF3	8.64279	8.77048	9.94431	10.3426	10.0222	10.9702	Rho guanine nucleotide exchange factor 3 [Source:HGNC Symbol;	chr3:56761	NM_00112	XM_01153	.	.	NP_001122	XP_005265	protein_co	ENSG0000	50650	683
ARHGEF33	0	0.018337	0.030498	0.019613	0.03917	0.052944	Rho guanine nucleotide exchange factor 33 [Source:HGNC Symbo	chr2:39117	NM_00114	.	.	.	NP_001138	.	protein_co	ENSG0000	100271715	37252
ARHGEF35	2.90614	2.86004	2.58441	2.02575	2.48999	2.92783	Rho guanine nucleotide exchange factor 35 [Source:HGNC Symbo	chr7:14388	NM_00100	XM_01703	.	.	NP_001003	XP_016885	protein_co	ENSG0000	445328	33846
ARHGEF37	2.05597	2.208	2.9655	2.63867	3.26724	2.79982	Rho guanine nucleotide exchange factor 37 [Source:HGNC Symbo	chr5:14896	NM_00100	XM_01153	.	.	NP_001001	XP_005268	protein_co	ENSG0000	389337	34430
ARHGEF38	0	0	0	0.051623	0	0	Rho guanine nucleotide exchange factor 38 [Source:HGNC Symbo	chr4:10647	NM_00124	XM_01153	.	.	NP_001229	XP_011530	protein_co	ENSG0000	54848	25968
ARHGEF39	7.54094	7.32709	7.74126	10.32	8.32826	6.72328	Rho guanine nucleotide exchange factor 39 [Source:HGNC Symbo	chr9:35658	NM_03281	XM_01151	.	.	NP_116201	XP_011516	protein_co	ENSG0000	84904	25909
ARHGEF4	11.1706	10.5117	11.1495	9.25142	8.01661	9.25416	Rho guanine nucleotide exchange factor 4 [Source:HGNC Symbol;	chr2:13159	NM_01532	XM_01151	.	.	NP_056135	XP_005263	protein_co	ENSG0000	50649	684
ARHGEF40	2.89277	2.62416	2.86547	1.8646	1.8292	1.868	Rho guanine nucleotide exchange factor 40 [Source:HGNC Symbo	chr14:2148	NM_00127	XM_01153	.	.	NP_001265	XP_005267	protein_co	ENSG0000	55701	25516
ARHGEF5	13.9189	13.2707	10.5612	10.1516	10.3111	8.96967	Rho guanine nucleotide exchange factor 5 [Source:HGNC Symbol;	chr7:14405	NM_00543	.	.	.	NP_005426	XP_006726	protein_co	ENSG0000	102725117	13209
ARHGEF6	1.31936	0.946424	1.07116	0.860947	0.800328	0.993538	Rac/Cdc42 guanine nucleotide exchange factor 6 [Source:HGNC S	chrX:13574	NM_00130	XM_01153	.	.	NP_001293	XP_005262	protein_co	ENSG0000	9459	685
ARHGEF7	15.0524	15.1423	15.1179	13.6474	15.5827	13.726	Rho guanine nucleotide exchange factor 7 [Source:HGNC Symbol;	chr13:1117	NM_00111	XM_01702	.	.	NP_001106	XP_005254	protein_co	ENSG0000	8874	15607
ARHGEF9	4.04114	4.84169	4.96602	3.71357	3.9897	4.31811	Cdc42 guanine nucleotide exchange factor 9 [Source:HGNC Symb	chrX:62854	NM_00117	XM_01702	.	.	NP_001166	XP_005262	protein_co	ENSG0000	23229	14561
ARID1A	15.5158	16.3967	13.5709	15.1301	15.5458	18.6324	AT-rich interaction domain 1A [Source:HGNC Symbol;Acc:HGNC:1	chr1:27019	NM_00601	.	.	.	NP_006006	.	protein_co	ENSG0000	8289	11110
ARID1B	7.77824	8.0763	6.60773	6.38781	6.75426	6.83963	AT-rich interaction domain 1B [Source:HGNC Symbol;Acc:HGNC:1	chr6:15709	NM_01751	XM_01153	.	.	NP_059989	XP_005267	protein_co	ENSG0000	57492	18040
ARID2	9.95367	10.1612	8.50134	8.21913	9.61107	9.01103	AT-rich interaction domain 2 [Source:HGNC Symbol;Acc:HGNC:18	chr12:4612	NM_15264	XM_00671	.	.	NP_689854	XP_006719	protein_co	ENSG0000	196528	18037
ARID3A	5.04692	5.39922	5.79872	3.86321	3.75549	3.68086	AT-rich interaction domain 3A [Source:HGNC Symbol;Acc:HGNC:3	chr19:9259	NM_00522	XM_01702	.	.	NP_005215	XP_005259	protein_co	ENSG0000	1820	3031
ARID3B	2.15542	2.37109	2.53978	2.17529	2.46864	1.887	AT-rich interaction domain 3B [Source:HGNC Symbol;Acc:HGNC:1	chr15:7483	NM_00130	XM_00525	.	.	NP_001294	XP_005254	protein_co	ENSG0000	10620	14350
ARID3C	0.481558	0.29357	0.467264	0.575108	0	0.203011	AT-rich interaction domain 3C [Source:HGNC Symbol;Acc:HGNC:2	chr9:34621	NM_00101	.	.	.	NP_001017	.	protein_co	ENSG0000	138715	21209
ARID4A	2.63113	2.52942	3.0089	1.25047	1.70281	2.03686	AT-rich interaction domain 4A [Source:HGNC Symbol;Acc:HGNC:9	chr14:5876	NM_00289	XM_01702	.	.	NP_002883	XP_005268	protein_co	ENSG0000	5926	9885
ARID4B	6.57674	7.24231	6.78567	6.21868	7.77719	7.53942	AT-rich interaction domain 4B [Source:HGNC Symbol;Acc:HGNC:1	chr1:23533	NM_00120	XM_01700	.	.	NP_001193	XP_006711	protein_co	ENSG0000	51742	15550
ARID5A	6.4841	6.2599	5.74287	7.98744	7.20416	5.16011	AT-rich interaction domain 5A [Source:HGNC Symbol;Acc:HGNC:1	chr2:97202	NM_00131	XM_01151	.	.	NP_001306	XP_011508	protein_co	ENSG0000	10865	17361
ARID5B	2.89958	2.97759	3.50947	4.78187	5.55271	7.02426	AT-rich interaction domain 5B [Source:HGNC Symbol;Acc:HGNC:1	chr10:6366	NM_00124	XM_01154	.	.	NP_001231	XP_011538	protein_co	ENSG0000	84159	17362
ARIH1	7.01671	6.99489	7.74209	6.88964	8.48363	9.56779	ariadne RBR E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;A	chr15:7276	NM_00574	XM_01152	NR_03035	.	NP_005735	XP_011519	protein_co	ENSG0000	693215	689
ARIH2	27.8522	27.3117	27.8656	26.307	25.942	28.5918	ariadne RBR E3 ubiquitin protein ligase 2 [Source:HGNC Symbol;A	chr3:48955	NM_00632	XM_01153	.	.	NP_001304	XP_005264	protein_co	ENSG0000	10425	690
ARIH2OS	1.75697	1.21406	0.186633	0.472705	0.513331	0.881041	ariadne homolog 2 opposite strand [Source:HGNC Symbol;Acc:HG	chr3:48955	NM_00112	.	.	.	NP_001116	.	protein_co	ENSG0000	646450	34425
ARL1	37.2594	33.8105	33.3064	41.8535	36.1474	35.8176	ADP ribosylation factor like GTPase 1 [Source:HGNC Symbol;Acc:H	chr12:1017	NM_00117	.	.	.	NP_001168	.	protein_co	ENSG0000	400	692
ARL10	0.00762	0.016012	0.032943	0.017107	0.008524	0.030615	ADP ribosylation factor like GTPase 10 [Source:HGNC Symbol;Acc	chr5:17579	NM_17366	XM_01153	.	.	NP_775935	XP_011532	protein_co	ENSG0000	285598	22042
ARL11	0	0	0	0.02138	0	0	ADP ribosylation factor like GTPase 11 [Source:HGNC Symbol;Acc	chr13:5020	NM_13845	XM_00526	.	.	NP_612459	XP_005266	protein_co	ENSG0000	115761	24046
ARL13A	0	0	0	0	0	0	ADP ribosylation factor like GTPase 13A [Source:HGNC Symbol;Ac	chrX:10022	NM_00116	XM_01153	.	.	NP_001155	XP_011529	protein_co	ENSG0000	392509	31709
ARL13B	3.90501	4.5013	3.45105	3.53661	4.68826	4.9131	ADP ribosylation factor like GTPase 13B [Source:HGNC Symbol;Ac	chr3:93698	NM_00117	XM_01151	.	.	NP_001167	XP_006713	protein_co	ENSG0000	200894	25419
ARL14	0.938309	1.47912	0.336923	0.632185	0.243996	0.53518	ADP ribosylation factor like GTPase 14 [Source:HGNC Symbol;Acc	chr3:16039	NM_02504	.	.	.	NP_079323	.	protein_co	ENSG0000	80117	22974
ARL14EP	15.0801	15.5773	13.3987	13.7715	14.4246	14.8222	ADP ribosylation factor like GTPase 14 effector protein [Source:H	chr11:3034	NM_15231	.	.	.	NP_689529	.	protein_co	ENSG0000	120534	26798
ARL14EPL	5.14991	5.74517	6.10952	4.08399	4.7232	5.37295	ADP ribosylation factor like GTPase 14 effector protein like [Sourc	chr5:11529	NM_00119	XM_01154	.	.	NP_001182	XP_011541	protein_co	ENSG0000	644100	44201
ARL15	8.56971	6.84261	11.6426	6.63784	7.81845	11.8327	ADP ribosylation factor like GTPase 15 [Source:HGNC Symbol;Acc	chr5:53179	NM_01908	XM_01154	.	.	NP_061960	XP_011541	protein_co	ENSG0000	54622	25945
ARL16	42.8447	40.288	37.9942	40.9839	38.9807	27.1565	ADP ribosylation factor like GTPase 16 [Source:HGNC Symbol;Acc	chr17:7964	NM_00104	.	.	.	NP_001035	.	protein_co	ENSG0000	339231	27902
ARL17A	0.856277	0.125269	0.679776	0.427395	0.374489	0.653405	ADP ribosylation factor like GTPase 17A [Source:HGNC Symbol;Ac	chr17:4458	NM_00111	XM_01152	.	.	NP_001107	XP_005257	protein_co	ENSG0000	100506084	24096
ARL17B	0.861422	1.10009	0.943764	0.99779	0.7991	0.575073	ADP ribosylation factor like GTPase 17B [Source:HGNC Symbol;Ac	chr17:4435	NM_00103	XM_01152	.	.	NP_001034	XP_005256	protein_co	ENSG0000	107984156	32387
ARL2	51.2547	49.6476	42.8362	71.3313	53.2862	47.0827	ADP ribosylation factor like GTPase 2 [Source:HGNC Symbol;Acc:H	chr11:6478	NM_00119	.	.	.	NP_001186	.	protein_co	ENSG0000	402	693
ARL2BP	27.7627	29.297	24.8794	24.7693	25.2053	23.8618	ADP ribosylation factor like GTPase 2 binding protein [Source:HG	chr16:5727	NM_01210	.	.	.	NP_036238	.	protein_co	ENSG0000	23568	17146
ARL3	11.8229	9.913	11.3014	14.7525	12.4987	12.2727	ADP ribosylation factor like GTPase 3 [Source:HGNC Symbol;Acc:H	chr10:1044	NM_00431	XM_01701	.	.	NP_004302	XP_016871	protein_co	ENSG0000	403	694
ARL4A	26.1534	23.0636	24.6379	34.9045	34.8443	44.8233	ADP ribosylation factor like GTPase 4A [Source:HGNC Symbol;Acc	chr7:12726	NM_00103	.	.	.	NP_001032	.	protein_co	ENSG0000	10124	695
ARL4C	3.53688	3.82388	3.47497	4.31677	4.75357	4.75581	ADP ribosylation factor like GTPase 4C [Source:HGNC Symbol;Acc	chr2:23540	NM_00128	.	.	.	NP_001269	.	protein_co	ENSG0000	10123	698
ARL4D	10.1897	9.66553	11.1062	14.5267	12.6351	11.1898	ADP ribosylation factor like GTPase 4D [Source:HGNC Symbol;Acc	chr17:4147	NM_00166	XM_01152	.	.	NP_001652	XP_011523	protein_co	ENSG0000	379	656
ARL5A	19.6444	16.7363	20.2098	18.7906	23.6195	23.0956	ADP ribosylation factor like GTPase 5A [Source:HGNC Symbol;Acc	chr2:15265	NM_00103	.	.	.	NP_001032	.	protein_co	ENSG0000	26225	696
ARL5B	9.59428	9.9088	9.41899	9.49963	12.776	15.6313	ADP ribosylation factor like GTPase 5B [Source:HGNC Symbol;Acc	chr10:1894	NM_17881	XM_00525	.	.	NP_848930	XP_005252	protein_co	ENSG0000	221079	23052
ARL5C	0	0	0	0	0	0	ADP ribosylation factor like GTPase 5C [Source:HGNC Symbol;Acc	chr17:3731	NM_00114	.	.	.	NP_001137	.	protein_co	ENSG0000	390790	31111
ARL6	1.12741	1.8378	1.00254	1.6764	1.24464	1.29897	ADP ribosylation factor like GTPase 6 [Source:HGNC Symbol;Acc:H	chr3:97483	NM_00127	XM_00671	.	.	NP_001265	XP_016862	protein_co	ENSG0000	84100	13210
ARL6IP1	162.459	156.869	149.57	231.262	278.027	239.237	ADP ribosylation factor like GTPase 6 interacting protein 1 [Sourc	chr16:1879	NM_01516	.	.	.	NP_001300	.	protein_co	ENSG0000	23204	697
ARL6IP4	74.1135	70.6835	62.8309	85.5388	63.4835	62.6485	ADP ribosylation factor like GTPase 6 interacting protein 4 [Sourc	chr12:1234	NM_00100	.	.	.	NP_001002	.	protein_co	ENSG0000	51329	18076
ARL6IP5	30.3019	29.9996	28.0565	29.4898	25.4091	29.4935	ADP ribosylation factor like GTPase 6 interacting protein 5 [Sourc	chr3:69134	NM_00640	.	.	.	NP_006398	.	protein_co	ENSG0000	10550	16937
ARL6IP6	13.7553	13.3706	15.0968	12.6005	13.8482	19.1492	ADP ribosylation factor like GTPase 6 interacting protein 6 [Sourc	chr2:15350	NM_15252	.	.	.	NP_689735	.	protein_co	ENSG0000	151188	24048
ARL8A	20.2049	19.2931	19.5026	23.5603	17.7942	18.3387	ADP ribosylation factor like GTPase 8A [Source:HGNC Symbol;Acc	chr1:20209	NM_00125	.	.	.	NP_001243	.	protein_co	ENSG0000	127829	25192
ARL8B	24.8813	23.812	23.3569	22.2089	29.0921	27.9603	ADP ribosylation factor like GTPase 8B [Source:HGNC Symbol;Acc	chr3:51639	NM_01818	XM_00526	.	.	NP_060654	XP_005265	protein_co	ENSG0000	55207	25564

ARL9	0.059078	0.062189	0	0	0.066001	0	ADP ribosylation factor like GTPase 9 [Source:HGNC Symbol;Acc:H	chr4:57371	NM_20691	XM_00671	.	.	NP_99680	XP_005265	protein_co	ENSG0000	132946	23592
ARMC1	20.1451	18.1638	18.2796	19.0298	23.9874	20.7949	armadillo repeat containing 1 [Source:HGNC Symbol;Acc:HGNC:1	chr8:66514	NM_00128	XM_01701	.	.	NP_00127	XP_005251	protein_co	ENSG0000	55156	17684
ARMC10	17.871	15.9997	19.3889	15.6396	19.4166	23.8808	armadillo repeat containing 10 [Source:HGNC Symbol;Acc:HGNC:	chr7:10271	NM_00116	XM_01151	.	.	NP_00115	XP_005250	protein_co	ENSG0000	83787	21706
ARMC12	0.259946	0.328876	0.31766	0.383407	0.341796	0.907136	armadillo repeat containing 12 [Source:HGNC Symbol;Acc:HGNC:	chr6:35704	NM_00128	XM_01151	.	.	NP_00127	XP_011512	protein_co	ENSG0000	221481	21099
ARMC2	0.676616	0.695386	0.686191	0.693222	0.574675	0.600603	armadillo repeat containing 2 [Source:HGNC Symbol;Acc:HGNC:2	chr6:10916	NM_00128	XM_01153	.	.	NP_00127	XP_005267	protein_co	ENSG0000	84071	23045
ARMC3	0.532992	0.386617	0.560699	0.691581	0.738394	1.11838	armadillo repeat containing 3 [Source:HGNC Symbol;Acc:HGNC:3	chr10:2321	NM_00128	XM_01701	.	.	NP_00126	XP_005252	protein_co	ENSG0000	219681	30964
ARMC4	4.11109	4.53343	5.40019	3.74437	4.33424	6.04695	armadillo repeat containing 4 [Source:HGNC Symbol;Acc:HGNC:2	chr10:2810	NM_00129	XM_01151	.	.	NP_00127	XP_011517	protein_co	ENSG0000	55130	25583
ARMC5	6.88256	7.23391	6.119	7.77998	6.40583	6.34737	armadillo repeat containing 5 [Source:HGNC Symbol;Acc:HGNC:2	chr16:3146	NM_00110	XM_00672	.	.	NP_00109	XP_006721	protein_co	ENSG0000	79798	25781
ARMC6	24.2469	24.0301	19.66	28.0473	23.3916	13.9658	armadillo repeat containing 6 [Source:HGNC Symbol;Acc:HGNC:2	chr19:1910	NM_00119	XM_01702	.	.	NP_00118	XP_005260	protein_co	ENSG0000	93436	25049
ARMC7	15.7543	18.815	16.6631	21.7514	17.4414	14.7732	armadillo repeat containing 7 [Source:HGNC Symbol;Acc:HGNC:2	chr17:7310	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	79637	26168
ARMC8	13.4522	13.4619	12.0828	13.956	16.2087	13.8794	armadillo repeat containing 8 [Source:HGNC Symbol;Acc:HGNC:2	chr3:13790	NM_00126	XM_01151	.	.	NP_00125	XP_006713	protein_co	ENSG0000	25852	24999
ARMC9	3.41256	3.78896	3.6627	3.84393	3.59987	2.95428	armadillo repeat containing 9 [Source:HGNC Symbol;Acc:HGNC:2	chr2:23206	NM_00127	XM_01700	.	.	NP_00125	XP_011510	protein_co	ENSG0000	80210	20730
ARMCX1	0	0	0	0	0	0	armadillo repeat containing, X-linked 1 [Source:HGNC Symbol;Ac	chrX:10080	NM_01660	.	.	.	NP_05769	.	protein_co	ENSG0000	51309	18073
ARMCX2	0	0	0	0	0	0	armadillo repeat containing, X-linked 2 [Source:HGNC Symbol;Ac	chrX:10091	NM_00128	XM_01702	.	.	NP_00126	XP_005278	protein_co	ENSG0000	9823	16869
ARMCX3	15.1418	16.8093	15.1941	13.0837	14.2869	12.8569	armadillo repeat containing, X-linked 3 [Source:HGNC Symbol;Ac	chrX:10087	NM_01660	XM_00526	.	.	NP_05769	XP_005262	protein_co	ENSG0000	51566	24065
ARMCX4	0	0	0.006774	0	0	0	armadillo repeat containing, X-linked 4 [Source:HGNC Symbol;Ac	chrX:10074	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	100131755	28615
ARMCX5	5.03076	5.82435	4.78293	6.50068	5.82233	5.57445	armadillo repeat containing, X-linked 5 [Source:HGNC Symbol;Ac	chrX:10185	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	64860	25772
ARMCX6	4.69373	4.92253	4.20348	5.41585	4.5788	3.37467	armadillo repeat containing, X-linked 6 [Source:HGNC Symbol;Ac	chrX:10087	NM_00100	XM_01153	.	.	NP_00100	XP_011529	protein_co	ENSG0000	54470	26094
ARMS2	0	0	0	0	0	0	age-related maculopathy susceptibility 2 [Source:HGNC Symbol;A	chr10:1242	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	387715	32685
ARMT1	14.5598	14.551	18.1193	16.6706	18.7813	19.7608	acidic residue methyltransferase 1 [Source:HGNC Symbol;Acc:HG	chr6:15177	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	79624	17872
ARNT	10.1569	10.8634	10.1188	9.36496	9.87712	11.7772	aryl hydrocarbon receptor nuclear translocator [Source:HGNC Sy	chr1:15078	NM_00119	XM_01700	.	.	NP_00118	XP_005245	protein_co	ENSG0000	405	700
ARNT2	2.57619	2.67792	2.80907	2.40067	2.19758	1.82074	aryl hydrocarbon receptor nuclear translocator 2 [Source:HGNC S	chr15:8069	NM_01486	.	NR_04983	.	NP_05567	.	protein_co	ENSG0000	100847042	16876
ARNTL	5.77997	5.8215	4.99025	6.63006	6.80534	6.25376	aryl hydrocarbon receptor nuclear translocator like [Source:HGN	chr11:1329	NM_00103	XM_01701	.	.	NP_00102	XP_006718	protein_co	ENSG0000	406	701
ARNTL2	8.54393	8.43895	8.69075	11.949	14.2768	13.8603	aryl hydrocarbon receptor nuclear translocator like 2 [Source:HG	chr12:2748	NM_00124	XM_01701	.	.	NP_00123	XP_006719	protein_co	ENSG0000	56938	18984
ARPC1A	106.576	115.182	104.145	134.556	112.668	118.819	actin related protein 2/3 complex subunit 1A [Source:HGNC Symb	chr7:98923	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	10552	703
ARPC1B	123.236	133.201	155.113	150.726	121.984	127.362	actin related protein 2/3 complex subunit 1B [Source:HGNC Symb	chr7:98972	NM_00572	XM_00671	.	.	NP_00571	XP_006715	protein_co	ENSG0000	10095	704
ARPC2	136.314	130.027	132.679	142.144	141.233	144.741	actin related protein 2/3 complex subunit 2 [Source:HGNC Symbo	chr2:21908	NM_00573	.	.	.	NP_00572	.	protein_co	ENSG0000	10109	705
ARPC3	153.222	136.611	144.975	115.727	113.402	110.771	actin related protein 2/3 complex subunit 3 [Source:HGNC Symbo	chr12:1108	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	10094	706
ARPC4	84.6473	80.5659	74.8678	68.3127	55.9319	44.4164	actin related protein 2/3 complex subunit 4 [Source:HGNC Symbo	chr3:98215	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	10093	707
ARPC4-TTLL3	0.856601	0.549167	0.429534	0.615058	0.459506	1.12668	ARPC4-TTLL3 readthrough [Source:HGNC Symbol;Acc:HGNC:3883	chr3:98215	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100526693	38830
ARPC5	50.9682	53.5328	49.666	50.1153	53.4863	56.1272	actin related protein 2/3 complex subunit 5 [Source:HGNC Symbo	chr1:18358	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	10092	708
ARPC5L	57.7392	58.2971	57.1133	76.0375	78.9222	68.3451	actin related protein 2/3 complex subunit 5 like [Source:HGNC Sy	chr9:12762	NM_03097	XM_00525	.	.	NP_11224	XP_005252	protein_co	ENSG0000	81873	23366
ARPIN	4.28745	4.35439	4.38965	3.62639	3.7305	4.39395	actin-related protein 2/3 complex inhibitor [Source:HGNC Symbo	chr15:9037	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	348110	28782
ARPP19	74.6088	74.4962	66.7975	77.1151	84.2805	80.7864	cAMP regulated phosphoprotein 19 [Source:HGNC Symbol;Acc:H	chr15:5283	NM_00130	XM_01702	.	.	NP_00129	XP_005254	protein_co	ENSG0000	10776	16967
ARPP21	0	0	0	0	0	0	cAMP regulated phosphoprotein 21 [Source:HGNC Symbol;Acc:H	chr3:35681	NM_00102	XM_01153	.	.	NP_00102	XP_005264	protein_co	ENSG0000	10777	16968
ARR3	0	0	0	0	0	0.057442	arrestin 3 [Source:HGNC Symbol;Acc:HGNC:710]	chrX:69488	NM_00431	.	.	.	NP_00430	XP_016885	protein_co	ENSG0000	407	710
ARRB1	6.86346	7.82109	7.98735	8.90199	7.74441	6.18701	arrestin beta 1 [Source:HGNC Symbol;Acc:HGNC:711]	chr11:7497	NM_00404	XM_01154	.	.	NP_00403	XP_011543	protein_co	ENSG0000	408	711
ARRB2	34.4183	34.2235	27.7934	36.8916	29.5826	23.9326	arrestin beta 2 [Source:HGNC Symbol;Acc:HGNC:712]	chr17:4613	NM_00125	XM_01152	.	.	NP_00124	XP_006721	protein_co	ENSG0000	409	712
ARRDC1	33.3063	34.3106	38.0272	27.9916	24.6309	34.1233	arrestin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28	chr9:14050	NM_15228	XM_00526	.	.	NP_00130	XP_005266	protein_co	ENSG0000	92714	28633
ARRDC2	16.7174	17.1117	18.1825	16.8675	13.8591	14.8937	arrestin domain containing 2 [Source:HGNC Symbol;Acc:HGNC:25	chr19:1811	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	27106	25225
ARRDC3	14.4042	14.3692	12.0568	10.8685	14.0953	18.2248	arrestin domain containing 3 [Source:HGNC Symbol;Acc:HGNC:29	chr5:90664	NM_02080	.	.	.	NP_06585	.	protein_co	ENSG0000	57561	29263
ARRDC4	10.7107	11.5259	8.11443	3.37462	4.21153	4.72411	arrestin domain containing 4 [Source:HGNC Symbol;Acc:HGNC:28	chr15:9850	NM_18337	.	.	.	NP_89923	.	protein_co	ENSG0000	91947	28087
ARRDC5	0	0	0	0	0	0	arrestin domain containing 5 [Source:HGNC Symbol;Acc:HGNC:31	chr19:4890	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	645432	31407
ARSA	5.85485	5.11223	8.25554	2.67318	2.13556	3.31682	arylsulfatase A [Source:HGNC Symbol;Acc:HGNC:713]	chr22:5106	NM_00048	XM_01153	.	.	NP_00047	XP_011528	protein_co	ENSG0000	410	713
ARSB	3.34086	3.26111	2.57748	3.41379	3.92974	3.48842	arylsulfatase B [Source:HGNC Symbol;Acc:HGNC:714]	chr5:78073	NM_00004	XM_01154	.	.	NP_00003	XP_011541	protein_co	ENSG0000	411	714
ARSD	2.28131	2.44112	2.91922	1.94835	1.92679	3.91932	arylsulfatase D [Source:HGNC Symbol;Acc:HGNC:717]	chrX:28220	NM_00166	XM_00527	.	.	NP_00166	XP_005274	protein_co	ENSG0000	414	717
ARSE	0.042486	0.193702	0.06612	0.046234	0	0	arylsulfatase E (chondrodysplasia punctata 1) [Source:HGNC Sym	chrX:28526	NM_00004	XM_01154	.	.	NP_00003	XP_005274	protein_co	ENSG0000	415	719
ARSF	0	0	0.032751	0	0	0	arylsulfatase F [Source:HGNC Symbol;Acc:HGNC:721]	chrX:29595	NM_00120	XM_01154	.	.	NP_00118	XP_011543	protein_co	ENSG0000	416	721
ARSG	3.77967	4.0334	6.25992	3.13675	2.86249	5.51422	arylsulfatase G [Source:HGNC Symbol;Acc:HGNC:24102]	chr17:6625	NM_00126	XM_01702	.	.	NP_00125	XP_005257	protein_co	ENSG0000	22901	24102
ARSH	0	0	0	0	0	0	arylsulfatase family member H [Source:HGNC Symbol;Acc:HGNC:	chrX:29246	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	347527	32488
ARSI	0.080676	0.062167	0.056988	0.143968	0.074431	0.148202	arylsulfatase family member I [Source:HGNC Symbol;Acc:HGNC:3	chr5:14967	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	340075	32521
ARSJ	1.10278	1.2813	1.42931	0.724239	0.771365	0.640124	arylsulfatase family member J [Source:HGNC Symbol;Acc:HGNC:2	chr4:11482	NM_02459	XM_00526	.	.	NP_07886	XP_005263	protein_co	ENSG0000	79642	26286
ARSK	2.5967	3.65862	3.55676	4.08768	3.3779	3.34119	arylsulfatase family member K [Source:HGNC Symbol;Acc:HGNC:	chr5:94890	NM_19815	XM_00527	.	.	NP_93779	XP_005271	protein_co	ENSG0000	153642	25239
ART1	0	0	0	0	0	0	ADP-ribosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:723]	chr11:3666	NM_00431	XM_01152	.	.	NP_00430	XP_011518	protein_co	ENSG0000	417	723
ART3	0	0	0	0	0	0	ADP-ribosyltransferase 3 [Source:HGNC Symbol;Acc:HGNC:725]	chr4:76932	NM_00113	XM_01700	.	.	NP_00112	XP_005263	protein_co	ENSG0000	419	725
ART4	0	0	0	0	0	0	ADP-ribosyltransferase 4 (Dombrock blood group) [Source:HGNC	chr12:1497	NM_02107	.	.	.	NP_06654	.	protein_co	ENSG0000	420	726
ART5	2.47405	3.04782	3.91846	4.39858	4.70747	3.59847	ADP-ribosyltransferase 5 [Source:HGNC Symbol;Acc:HGNC:24049	chr11:3659	NM_00107	XM_01151	.	.	NP_00107	XP_005252	protein_co	ENSG0000	116969	24049
ARTN	8.19867	13.8195	10.8397	11.6806	8.09242	8.99681	artemin [Source:HGNC Symbol;Acc:HGNC:727]	chr1:44398	NM_00113	XM_01154	.	.	NP_00112	XP_006711	protein_co	ENSG0000	9048	727
ARV1	2.77999	3.11139	2.6132	1.78952	2.6808	3.24125	ARV1 homolog, fatty acid homeostasis modulator [Source:HGNC	chr1:23111	NM_02278	.	.	.	NP_07362	XP_016857	protein_co	ENSG0000	64801	29561

ARVCF	13.3952	14.69	15.4116	13.791	12.2044	11.7403	armadillo repeat gene deleted in velocardiofacial syndrome [Sour	chr22:1986	NM_00167	XM_01153	.	.	NP_00166	XP_005261	protein_co	ENSG0000	421	728
ARX	0.211751	0.243535	0.323322	0.495612	0.250416	0.239019	aristaless related homeobox [Source:HGNC Symbol;Acc:HGNC:18	chrX:2502	NM_13905	.	.	.	NP_62068	.	protein_co	ENSG0000	170302	18060
AS3MT	0.420797	0.445745	0.403054	0.129965	0.324818	0.83955	arsenite methyltransferase [Source:HGNC Symbol;Acc:HGNC:174	chr10:1046	NM_02068	.	.	.	NP_06573	.	protein_co	ENSG0000	57412	17452
ASAH1	56.4012	51.5997	53.6299	61.1791	52.0146	46.8519	N-acylsphingosine amidohydrolase 1 [Source:HGNC Symbol;Acc:H	chr8:17913	NM_00112	XM_00527	.	.	NP_00112	XP_005273	protein_co	ENSG0000	427	735
ASAH2	0.07981	0.073717	0.049552	0.065301	0.100605	0.176744	N-acylsphingosine amidohydrolase 2 [Source:HGNC Symbol;Acc:H	chr10:5194	NM_00114	XM_01153	.	.	NP_00113	XP_011538	protein_co	ENSG0000	56624	18860
ASAH2B	2.94164	3.61745	3.26685	3.25672	3.91668	4.36306	N-acylsphingosine amidohydrolase 2B [Source:HGNC Symbol;Acc	chr10:5249	NM_00107	XM_00671	.	.	NP_00107	XP_005270	protein_co	ENSG0000	653308	23456
ASAH2C	0	0.033694	0	0	0	0.032055	N-acylsphingosine amidohydrolase (non-lysosomal ceramidase) 2	chr10:4800	.	.	.	.	.	.	protein_co	ENSG0000	.	23457
ASAP1	6.10733	7.2799	7.35227	5.37496	6.15956	7.0025	ArfGAP with SH3 domain, ankyrin repeat and PH domain 1 [Sourc	chr8:13106	NM_00124	XM_01701	.	.	NP_00123	XP_005250	protein_co	ENSG0000	50807	2720
ASAP2	5.73869	5.55908	6.73244	6.5794	6.47434	10.6634	ArfGAP with SH3 domain, ankyrin repeat and PH domain 2 [Sourc	chr2:93468	NM_00113	XM_01151	.	.	NP_00112	XP_006711	protein_co	ENSG0000	8853	2721
ASAP3	5.55241	6.66708	8.86851	8.42144	7.45742	8.57417	ArfGAP with SH3 domain, ankyrin repeat and PH domain 3 [Sourc	chr1:23755	NM_00114	XM_01700	.	.	NP_00113	XP_011540	protein_co	ENSG0000	55616	14987
ASB1	13.1128	12.6299	13.2962	10.553	12.402	14.5551	ankyrin repeat and SOCS box containing 1 [Source:HGNC Symbol;	chr2:23933	NM_00104	XM_00524	.	.	NP_00103	XP_005246	protein_co	ENSG0000	51665	16011
ASB10	0	0	0	0	0	0	ankyrin repeat and SOCS box containing 10 [Source:HGNC Symbo	chr7:15087	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	136371	17185
ASB11	0	0	0	0	0	0	ankyrin repeat and SOCS box containing 11 [Source:HGNC Symbo	chrX:15299	NM_00101	XM_01154	.	.	NP_00101	XP_005274	protein_co	ENSG0000	140456	17186
ASB12	0.064447	0.197511	0	0.140597	0.073748	0.272944	ankyrin repeat and SOCS box containing 12 [Source:HGNC Symbo	chrX:63444	NM_13038	.	.	.	NP_56905	.	protein_co	ENSG0000	142689	19763
ASB13	14.6496	15.3898	18.3322	13.3467	11.2015	10.2124	ankyrin repeat and SOCS box containing 13 [Source:HGNC Symbo	chr10:5680	NM_02470	.	NR_02458	.	NP_07897	.	protein_co	ENSG0000	79754	19765
ASB14	0	0	0	0	0	0	ankyrin repeat and SOCS box containing 14 [Source:HGNC Symbo	chr3:57261	NM_00114	XM_00671	.	.	NP_00113	XP_006713	protein_co	ENSG0000	142686	19766
ASB15	0	0	0	0	0	0	ankyrin repeat and SOCS box containing 15 [Source:HGNC Symbo	chr7:12320	NM_00129	XM_01151	.	.	NP_00127	XP_005250	protein_co	ENSG0000	142685	19767
ASB16	0.049172	0	0.041653	0.052302	0	0.055048	ankyrin repeat and SOCS box containing 16 [Source:HGNC Symbo	chr17:4224	NM_08086	.	.	.	NP_54313	.	protein_co	ENSG0000	92591	19768
ASB17	0	0	0	0	0	0	ankyrin repeat and SOCS box containing 17 [Source:HGNC Symbo	chr1:76384	NM_08086	XM_00671	.	.	NP_54314	XP_006710	protein_co	ENSG0000	127247	19769
ASB18	0.092299	0	0	0	0	0	ankyrin repeat and SOCS box containing 18 [Source:HGNC Symbo	chr2:23710	NM_21255	.	.	.	NP_99772	.	protein_co	ENSG0000	401036	19770
ASB2	0.32268	0.319466	0.48032	0.031647	0.067911	0	ankyrin repeat and SOCS box containing 2 [Source:HGNC Symbol;	chr14:9440	NM_00120	XM_01153	.	.	NP_00118	XP_005267	protein_co	ENSG0000	51676	16012
ASB3	9.23237	9.00242	8.86938	8.76574	11.2197	11.0328	ankyrin repeat and SOCS box containing 3 [Source:HGNC Symbol;	chr2:53897	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	51130	16013
ASB4	0.019673	0.020988	0.034193	0	0.056467	0.019271	ankyrin repeat and SOCS box containing 4 [Source:HGNC Symbol;	chr7:95115	NM_01611	.	.	.	NP_05720	.	protein_co	ENSG0000	51666	16009
ASB5	0	0.032721	0.069056	0	0	0	ankyrin repeat and SOCS box containing 5 [Source:HGNC Symbol;	chr4:17713	NM_08087	XM_01153	.	.	NP_54315	XP_005262	protein_co	ENSG0000	140458	17180
ASB6	18.0006	17.7472	19.9537	22.54	19.3854	11.992	ankyrin repeat and SOCS box containing 6 [Source:HGNC Symbol;	chr9:13237	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	140459	17181
ASB7	6.01669	7.27442	6.73279	5.52566	5.92128	6.12881	ankyrin repeat and SOCS box containing 7 [Source:HGNC Symbol;	chr15:1011	NM_02470	.	.	.	NP_07898	.	protein_co	ENSG0000	140460	17182
ASB8	7.18403	8.61312	10.1406	6.58267	6.3655	9.67842	ankyrin repeat and SOCS box containing 8 [Source:HGNC Symbol;	chr12:4854	NM_00131	XM_00526	.	.	NP_00130	XP_005268	protein_co	ENSG0000	140461	17183
ASB9	1.73245	1.72036	3.38799	1.79977	2.68792	1.9338	ankyrin repeat and SOCS box containing 9 [Source:HGNC Symbol;	chrX:15262	NM_00103	XM_01154	.	.	NP_00102	XP_005274	protein_co	ENSG0000	140462	17184
ASCC1	12.3392	11.502	13.9908	12.823	14.0564	17.2714	activating signal cointegrator 1 complex subunit 1 [Source:HGNC	chr10:7385	NM_00119	XM_01153	.	.	NP_00118	XP_006717	protein_co	ENSG0000	51008	24268
ASCC2	18.3599	20.8774	18.887	22.0328	19.3749	16.3755	activating signal cointegrator 1 complex subunit 2 [Source:HGNC	chr22:3018	NM_00124	XM_01702	.	.	NP_00122	XP_005261	protein_co	ENSG0000	84164	24103
ASCC3	13.0308	13.6257	15.6191	11.933	15.6312	14.2196	activating signal cointegrator 1 complex subunit 3 [Source:HGNC	chr6:10095	NM_00128	XM_01153	.	.	NP_00127	XP_011533	protein_co	ENSG0000	10973	18697
ASCL1	0	0	0	0	0	0	achaete-scute family bHLH transcription factor 1 [Source:HGNC S	chr12:1033	NM_00431	.	.	.	NP_00430	.	protein_co	ENSG0000	429	738
ASCL2	0	0	0	0	0	0	achaete-scute family bHLH transcription factor 2 [Source:HGNC S	chr11:2289	NM_00517	.	.	.	NP_00516	.	protein_co	ENSG0000	430	739
ASCL3	0	0	0	0	0	0	achaete-scute family bHLH transcription factor 3 [Source:HGNC S	chr11:8959	NM_02064	.	.	.	NP_06569	.	protein_co	ENSG0000	56676	740
ASCL4	0	0	0	0	0	0	achaete-scute family bHLH transcription factor 4 [Source:HGNC S	chr12:1081	NM_20343	.	.	.	NP_98226	.	protein_co	ENSG0000	121549	24311
ASCL5	0.347934	0	0.445257	0.184795	0.208148	0.29657	achaete-scute family bHLH transcription factor 5 [Source:HGNC S	chr1:20108	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	647219	33169
ASF1A	15.9047	15.142	13.2	19.786	22.9109	25.047	anti-silencing function 1A histone chaperone [Source:HGNC Symb	chr6:11913	NM_01403	.	.	.	NP_05475	.	protein_co	ENSG0000	25842	20995
ASF1B	68.6075	66.5351	56.3432	86.1157	73.3202	63.4283	anti-silencing function 1B histone chaperone [Source:HGNC Symb	chr19:1423	NM_01815	.	.	.	NP_06062	.	protein_co	ENSG0000	55723	20996
ASGR1	0.256298	0.632316	0.716091	0.697766	0.69839	0.571205	asialoglycoprotein receptor 1 [Source:HGNC Symbol;Acc:HGNC:7	chr17:7076	NM_00119	XM_01152	.	.	NP_00118	XP_011522	protein_co	ENSG0000	432	742
ASGR2	0	0	0	0	0	0	asialoglycoprotein receptor 2 [Source:HGNC Symbol;Acc:HGNC:7	chr17:7004	NM_00118	XM_01702	.	.	NP_00117	XP_005256	protein_co	ENSG0000	433	743
ASH1L	7.65984	8.74774	9.10631	6.38961	7.79536	7.8899	ASH1 like histone lysine methyltransferase [Source:HGNC Symbol	chr1:15530	NM_01848	XM_01700	NR_03028	.	NP_06095	XP_006711	protein_co	ENSG0000	693140	19088
ASH2L	18.0768	17.2417	17.7332	19.5314	19.4688	23.3052	ASH2 like histone lysine methyltransferase complex subunit [Sour	chr8:37962	NM_00110	XM_00671	.	.	NP_00109	XP_005273	protein_co	ENSG0000	9070	744
ASIC1	9.37519	9.77512	16.4508	7.99863	7.5077	8.6046	acid sensing ion channel subunit 1 [Source:HGNC Symbol;Acc:HG	chr12:5045	NM_00109	XM_01153	.	.	NP_00108	XP_011536	protein_co	ENSG0000	41	100
ASIC2	0	0	0	0	0	0	acid sensing ion channel subunit 2 [Source:HGNC Symbol;Acc:HG	chr17:3134	NM_00109	.	.	.	NP_00108	.	protein_co	ENSG0000	40	99
ASIC3	0.847213	0.813077	0.764561	1.32891	1.45828	1.25611	acid sensing ion channel subunit 3 [Source:HGNC Symbol;Acc:HG	chr7:15074	NM_00476	.	.	.	NP_00476	.	protein_co	ENSG0000	9311	101
ASIC4	0.335831	0.229106	0.446951	0.323843	0.17126	0.546534	acid sensing ion channel subunit family member 4 [Source:HGNC	chr2:22037	NM_18284	XM_01151	.	.	NP_87826	XP_005246	protein_co	ENSG0000	55515	21263
ASIC5	0	0	0	0	0	0	acid sensing ion channel subunit family member 5 [Source:HGNC	chr4:15675	NM_01741	.	.	.	NP_05911	.	protein_co	ENSG0000	51802	17537
ASIP	0	0	0	0	0	0	agouti signaling protein [Source:HGNC Symbol;Acc:HGNC:745]	chr20:3278	NM_00167	XM_01152	.	.	NP_00166	XP_005260	protein_co	ENSG0000	434	745
ASL	22.5504	23.9886	26.0546	24.7673	21.131	22.3374	argininosuccinate lyase [Source:HGNC Symbol;Acc:HGNC:746]	chr7:65540	NM_00004	.	.	.	NP_00003	.	protein_co	ENSG0000	435	746
ASMT	0	0	0.070369	0	0	0	acetylserotonin O-methyltransferase [Source:HGNC Symbol;Acc:H	chrX:17338	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	438	750
ASMTL	13.3631	14.558	18.3058	16.9798	14.6317	13.82	acetylserotonin O-methyltransferase-like [Source:HGNC Symbol;A	chrX:15220	NM_00117	XM_00527	.	.	NP_00116	XP_005274	protein_co	ENSG0000	8623	751
ASNA1	71.2939	69.8535	51.807	98.8768	75.8973	54.3516	arsA arsenite transporter, ATP-binding, homolog 1 (bacterial) [So	chr19:1284	NM_00431	.	.	.	NP_00430	.	protein_co	ENSG0000	439	752
ASNS	143.356	130.354	63.357	68.8864	64.1756	439.347	asparagine synthetase (glutamine-hydrolyzing) [Source:HGNC Syr	chr7:97481	NM_00117	.	.	.	NP_00117	.	protein_co	ENSG0000	440	753
ASNSD1	24.981	20.3794	23.7773	21.2582	28.8991	28.2078	asparagine synthetase domain containing 1 [Source:HGNC Symbo	chr2:19052	NM_01904	XM_00524	.	.	NP_06192	XP_005246	protein_co	ENSG0000	54529	24910
ASPA	0	0	0	0	0	0	aspartoacylase [Source:HGNC Symbol;Acc:HGNC:756]	chr17:3343	NM_00004	XM_00672	.	.	NP_00004	XP_006721	protein_co	ENSG0000	443	756
ASPDH	0	0	0	0	0	0	aspartate dehydrogenase domain containing [Source:HGNC Symb	chr19:5101	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	554235	33856
ASPG	0	0	0.047089	0	0	0	asparaginase [Source:HGNC Symbol;Acc:HGNC:20123]	chr14:1045	NM_00108	XM_01153	.	.	NP_00107	XP_005267	protein_co	ENSG0000	374569	20123
ASPH	98.5769	100.852	124.52	94.411	98.4371	141.303	aspartate beta-hydroxylase [Source:HGNC Symbol;Acc:HGNC:757	chr8:62200	NM_00116	XM_01701	.	.	NP_00115	XP_005251	protein_co	ENSG0000	444	757
ASPHD1	7.25853	7.44157	9.71158	7.26676	7.59627	5.93492	aspartate beta-hydroxylase domain containing 1 [Source:HGNC S	chr16:2991	NM_18171	.	.	.	NP_85906	.	protein_co	ENSG0000	253982	27380

ASPHD2	4.03402	3.58553	3.52977	4.05448	3.77119	3.04052	aspartate beta-hydroxylase domain containing 2 [Source:HGNC S	chr22:2682	NM_02043	.	.	.	NP_06517	.	protein_co	ENSG0000	57168	30437
ASPM	8.63105	8.1403	9.4476	10.4914	18.2143	15.7361	abnormal spindle microtubule assembly [Source:HGNC Symbol;A	chr1:19705	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	259266	19048
ASPN	0	0	0	0	0	0	asporin [Source:HGNC Symbol;Acc:HGNC:14872]	chr9:95059	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	54829	14872
ASPRV1	0.727507	0.491629	0.481126	0.453812	0.752562	0.295034	aspartic peptidase, retroviral-like 1 [Source:HGNC Symbol;Acc:HG	chr2:70187	NM_15279	.	.	.	NP_69000	.	protein_co	ENSG0000	151516	26321
ASPSCR1	14.7451	16.4426	16.3723	21.7391	16.2047	13.397	ASPSCR1, UBX domain containing tether for SLC2A4 [Source:HGN	chr17:7993	NM_00125	XM_01702	.	.	NP_00123	XP_01152	protein_co	ENSG0000	79058	13825
ASRGL1	15.5788	17.023	16.5858	21.4529	20.7871	17.3503	asparaginase like 1 [Source:HGNC Symbol;Acc:HGNC:16448]	chr11:6210	NM_00108	XM_00527	.	.	NP_00107	XP_00527	protein_co	ENSG0000	80150	16448
ASS1	30.6024	31.716	48.9395	31.0153	25.9558	49.1781	argininosuccinate synthase 1 [Source:HGNC Symbol;Acc:HGNC:75	chr9:13332	NM_00005	XM_01701	.	.	NP_00004	XP_00527	protein_co	ENSG0000	445	758
ASTE1	1.99222	1.88696	1.53011	2.13978	1.91538	1.38308	asteroid homolog 1 (Drosophila) [Source:HGNC Symbol;Acc:HGN	chr3:13056	NM_00128	XM_01700	.	.	NP_00127	XP_01686	protein_co	ENSG0000	28990	25021
ASTL	0.135475	0.199842	0.116578	0.288764	0.078784	0.150167	astacin-like metallo-endopeptidase (M12 family) [Source:HGNC S	chr2:96789	NM_00100	XM_01151	.	.	NP_00100	XP_01150	protein_co	ENSG0000	431705	31704
ASTN1	0.29507	0.195001	0.345873	0	0.021626	0	astrotactin 1 [Source:HGNC Symbol;Acc:HGNC:773]	chr1:17682	NM_00128	.	.	.	NP_00127	XP_01685	protein_co	ENSG0000	460	773
ASTN2	3.54291	3.70297	4.40551	3.95165	2.77896	3.32126	astrotactin 2 [Source:HGNC Symbol;Acc:HGNC:17021]	chr9:11918	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	23245	17021
ASUN	19.0636	17.8142	20.0488	22.1273	23.3251	18.8242	asunder, spermatogenesis regulator [Source:HGNC Symbol;Acc:H	chr12:2705	NM_01816	XM_01152	.	.	NP_06063	XP_00525	protein_co	ENSG0000	55726	20174
ASXL1	17.8139	18.3223	17.1813	16.1952	16.6439	14.7038	additional sex combs like 1, transcriptional regulator [Source:HGN	chr20:3094	NM_00116	XM_01152	.	.	NP_00115	XP_00672	protein_co	ENSG0000	171023	18318
ASXL2	7.03093	8.14987	8.13665	6.74485	7.90092	9.13382	additional sex combs like 2, transcriptional regulator [Source:HGN	chr2:25956	NM_01826	XM_01700	.	.	NP_06073	XP_00671	protein_co	ENSG0000	55252	23805
ASXL3	0	0	0	0	0	0	additional sex combs like 3, transcriptional regulator [Source:HGN	chr18:3115	NM_03063	XM_01702	.	.	NP_08513	XP_00525	protein_co	ENSG0000	80816	29357
ASZ1	0	0	0	0	0.047888	0	ankyrin repeat, SAM and basic leucine zipper domain containing	chr7:11700	NM_00130	XM_01151	.	.	NP_00128	.	protein_co	ENSG0000	136991	1350
ATAD1	26.8337	26.5077	26.8993	24.155	31.5754	35.3453	ATPase family, AAA domain containing 1 [Source:HGNC Symbol;A	chr10:8951	NM_00132	XM_01154	.	.	NP_00130	XP_00527	protein_co	ENSG0000	84896	25903
ATAD2	43.6921	44.1044	40.6399	54.2077	63.302	70.5353	ATPase family, AAA domain containing 2 [Source:HGNC Symbol;A	chr8:12433	NM_01410	XM_01151	.	.	NP_05482	XP_01151	protein_co	ENSG0000	29028	30123
ATAD2B	1.85753	1.68005	1.88135	1.57067	2.02366	2.18678	ATPase family, AAA domain containing 2B [Source:HGNC Symbol;	chr2:23971	NM_00124	XM_01153	.	.	NP_00122	XP_00526	protein_co	ENSG0000	54454	29230
ATAD3A	46.3332	49.9257	42.7623	73.9105	63.8693	37.1794	ATPase family, AAA domain containing 3A [Source:HGNC Symbol;	chr1:14475	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	55210	25567
ATAD3B	22.9452	24.2103	20.2822	34.0697	28.0363	16.6145	ATPase family, AAA domain containing 3B [Source:HGNC Symbol;	chr1:14071	NM_03192	XM_01154	.	.	NP_11412	XP_00524	protein_co	ENSG0000	83858	24007
ATAD3C	0.164969	0.308202	0.141721	0.42409	0.597401	0.647219	ATPase family, AAA domain containing 3C [Source:HGNC Symbol;	chr1:13850	NM_00103	XM_01154	.	.	NP_00103	XP_01153	protein_co	ENSG0000	219293	32151
ATAD5	2.4424	2.68737	2.68774	1.96753	3.2673	2.58225	ATPase family, AAA domain containing 5 [Source:HGNC Symbol;A	chr17:2915	NM_02485	XM_01152	.	.	NP_07913	XP_01152	protein_co	ENSG0000	79915	25752
ATAT1	8.59401	8.07079	8.19977	8.97645	6.78991	7.71806	alpha tubulin acetyltransferase 1 [Source:HGNC Symbol;Acc:HGN	chr6:30594	NM_00103	XM_00524	NR_03382	.	NP_00102	XP_00524	protein_co	ENSG0000	79969	21186
ATCAY	0	0	0	0	0	0	ATCAY, caytaxin [Source:HGNC Symbol;Acc:HGNC:779]	chr19:3880	NM_03306	.	.	.	NP_14905	.	protein_co	ENSG0000	85300	779
ATE1	10.7946	11.1196	11.5045	10.9028	12.8328	14.8505	arginyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:782]	chr10:1234	NM_00100	XM_00526	.	.	NP_00100	XP_00526	protein_co	ENSG0000	11101	782
ATF1	12.8392	13.227	12.1478	12.1932	11.5095	13.2305	activating transcription factor 1 [Source:HGNC Symbol;Acc:HGNC	chr12:5115	NM_00517	XM_01701	.	.	NP_00516	XP_01153	protein_co	ENSG0000	466	783
ATF2	11.0665	9.51246	11.2101	8.24346	8.63509	10.4031	activating transcription factor 2 [Source:HGNC Symbol;Acc:HGNC	chr2:17593	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	1386	784
ATF3	38.5506	40.4456	15.4215	17.4756	18.5164	30.5278	activating transcription factor 3 [Source:HGNC Symbol;Acc:HGNC	chr1:21273	NM_00103	XM_01150	.	.	NP_00102	XP_00527	protein_co	ENSG0000	467	785
ATF4	457.853	440.766	297.117	383.672	299.252	657.976	activating transcription factor 4 [Source:HGNC Symbol;Acc:HGNC	chr22:3991	NM_00167	XM_01702	.	.	NP_00166	XP_01688	protein_co	ENSG0000	468	786
ATF5	18.9352	16.3779	12.163	29.0995	28.5003	39.2549	activating transcription factor 5 [Source:HGNC Symbol;Acc:HGNC	chr19:5039	NM_00119	XM_01152	NR_03990	.	NP_00118	XP_01152	protein_co	ENSG0000	10061648	790
ATF6	10.3174	9.72871	9.36512	10.785	10.9894	16.5814	activating transcription factor 6 [Source:HGNC Symbol;Acc:HGNC	chr1:16173	NM_00734	XM_01150	.	.	NP_03137	XP_00671	protein_co	ENSG0000	22926	791
ATF6B	27.6369	27.9655	21.4644	21.419	17.9525	16.3099	activating transcription factor 6 beta [Source:HGNC Symbol;Acc:H	chr6:32083	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	1388	2349
ATF7	10.7634	10.9574	9.54312	8.09464	8.40825	10.1194	activating transcription factor 7 [Source:HGNC Symbol;Acc:HGNC	chr12:5390	NM_00113	XM_01153	.	.	NP_00112	XP_00526	protein_co	ENSG0000	11016	792
ATF7IP	7.24062	8.66224	8.08034	7.73158	9.59291	10.7787	activating transcription factor 7 interacting protein [Source:HGN	chr12:1451	NM_00128	XM_01701	.	.	NP_00127	XP_00525	protein_co	ENSG0000	55729	20092
ATF7IP2	2.61973	2.07091	1.84404	2.47676	3.27028	2.63387	activating transcription factor 7 interacting protein 2 [Source:HGI	chr16:1047	NM_00125	XM_00672	.	.	NP_00124	XP_00672	protein_co	ENSG0000	80063	20397
ATG10	7.19586	4.33418	5.69198	6.63033	4.83695	6.4004	autophagy related 10 [Source:HGNC Symbol;Acc:HGNC:20315]	chr5:81267	NM_00113	XM_00524	.	.	NP_00112	XP_00524	protein_co	ENSG0000	83734	20315
ATG101	38.8756	40.1743	31.3373	44.8788	37.1852	36.8342	autophagy related 101 [Source:HGNC Symbol;Acc:HGNC:25679]	chr12:5246	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	60673	25679
ATG12	37.1413	37.0212	42.1654	33.1657	32.7739	50.6768	autophagy related 12 [Source:HGNC Symbol;Acc:HGNC:588]	chr5:11516	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	9140	588
ATG13	20.8316	21.9565	21.4086	17.68	15.7325	19.068	autophagy related 13 [Source:HGNC Symbol;Acc:HGNC:29091]	chr11:4663	NM_00114	XM_01701	.	.	NP_00113	XP_00525	protein_co	ENSG0000	9776	29091
ATG14	5.58783	6.28525	5.37064	5.74075	5.29749	6.2479	autophagy related 14 [Source:HGNC Symbol;Acc:HGNC:19962]	chr14:5583	NM_01492	XM_01153	.	.	NP_05573	XP_01153	protein_co	ENSG0000	22863	19962
ATG16L1	14.7572	15.8221	16.1133	16.6477	16.7509	13.2286	autophagy related 16 like 1 [Source:HGNC Symbol;Acc:HGNC:214	chr2:23416	NM_00119	XM_00671	.	.	NP_00117	XP_00524	protein_co	ENSG0000	55054	21498
ATG16L2	3.08551	2.24735	4.39022	1.89429	1.57416	1.54708	autophagy related 16 like 2 [Source:HGNC Symbol;Acc:HGNC:254	chr11:7252	NM_00131	XM_01154	.	.	NP_00130	XP_00527	protein_co	ENSG0000	89849	25464
ATG2A	4.88946	5.52281	4.92679	5.17221	3.39489	3.60707	autophagy related 2A [Source:HGNC Symbol;Acc:HGNC:29028]	chr11:6466	NM_01510	XM_01154	.	.	NP_05591	XP_00527	protein_co	ENSG0000	23130	29028
ATG2B	1.69494	1.84386	2.01528	1.19062	1.40951	1.83547	autophagy related 2B [Source:HGNC Symbol;Acc:HGNC:20187]	chr14:9674	NM_01803	XM_01153	.	.	NP_06050	XP_00672	protein_co	ENSG0000	55102	20187
ATG3	26.3576	25.0607	20.3425	25.691	24.0783	21.1791	autophagy related 3 [Source:HGNC Symbol;Acc:HGNC:20962]	chr3:11225	NM_00127	XM_01151	.	.	NP_00126	XP_01151	protein_co	ENSG0000	64422	20962
ATG4A	5.95069	5.34689	6.83054	6.85375	6.71611	7.7546	autophagy related 4A cysteine peptidase [Source:HGNC Symbol;A	chrX:10733	NM_00132	XM_01153	.	.	NP_00130	XP_01152	protein_co	ENSG0000	115201	16489
ATG4B	25.7455	29.0269	29.019	33.2093	27.6906	26.9545	autophagy related 4B cysteine peptidase [Source:HGNC Symbol;A	chr2:24252	NM_01332	XM_01151	.	.	NP_03745	XP_00524	protein_co	ENSG0000	23192	20790
ATG4C	4.20281	3.91881	5.74214	4.31065	5.47209	6.36427	autophagy related 4C cysteine peptidase [Source:HGNC Symbol;A	chr1:63249	NM_03285	XM_01154	.	.	NP_11624	XP_00527	protein_co	ENSG0000	84938	16040
ATG4D	15.6528	14.1893	15.4136	17.0548	12.5505	14.6245	autophagy related 4D cysteine peptidase [Source:HGNC Symbol;A	chr19:1065	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	84971	20789
ATG5	15.3408	14.8002	15.7812	18.394	18.9732	20.8056	autophagy related 5 [Source:HGNC Symbol;Acc:HGNC:589]	chr6:10649	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	9474	589
ATG7	8.77704	9.63284	9.63221	8.6959	7.55336	8.49231	autophagy related 7 [Source:HGNC Symbol;Acc:HGNC:16935]	chr3:11314	NM_00113	XM_01153	.	.	NP_00112	XP_00671	protein_co	ENSG0000	10533	16935
ATG9A	22.8462	25.5846	24.3094	23.9598	20.9503	22.7065	autophagy related 9A [Source:HGNC Symbol;Acc:HGNC:22408]	chr2:22008	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	79065	22408
ATG9B	0.440663	0.102326	0.223032	0.111212	0.150264	0.343394	autophagy related 9B [Source:HGNC Symbol;Acc:HGNC:21899]	chr7:15071	NM_17368	XM_01151	.	.	NP_00130	XP_01151	protein_co	ENSG0000	285973	21899
ATHL1	8.10851	8.06227	14.2622	5.59103	5.20579	5.60816	protein-glucosylgalactosylhydroxylysine glucosidase [Source:HGN	chr11:2891	NM_02509	XM_01152	.	.	NP_07936	XP_01151	protein_co	ENSG0000	80162	26210
ATIC	64.4414	63.964	66.4721	78.6915	70.0727	67.0924	5-aminoimidazole-4-carboxamide ribonucleotide formyltransfera	chr2:21617	NM_00404	.	.	.	NP_00403	XP_01685	protein_co	ENSG0000	471	794
ATL1	1.82227	1.57434	1.1111	1.15532	1.42007	0.954415	atlastin GTPase 1 [Source:HGNC Symbol;Acc:HGNC:11231]	chr14:5099	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	51062	11231
ATL2	22.4148	25.0451	25.7123	25.9589	35.1378	34.2091	atlastin GTPase 2 [Source:HGNC Symbol;Acc:HGNC:24047]	chr2:38522	NM_00113	XM_01153	.	.	NP_00112	XP_00671	protein_co	ENSG0000	64225	24047
ATL3	14.199	16.5662	12.7568	13.6654	15.4616	15.0487	atlastin GTPase 3 [Source:HGNC Symbol;Acc:HGNC:24526]	chr11:6339	NM_00129	XM_00671	.	.	NP_00127	XP_00671	protein_co	ENSG0000	25923	24526

ATM	4.65485	3.83381	4.63802	3.31942	4.28741	4.01829	ATM serine/threonine kinase [Source:HGNC Symbol;Acc:HGNC:79	chr11:1080	NM_00005	XM_01701	.	.	NP_00004	XP_005271	protein_co	ENSG0000	472	795
ATMIN	33.9885	33.3832	30.5775	33.6542	39.2515	31.6913	ATM interactor [Source:HGNC Symbol;Acc:HGNC:29034]	chr16:8106	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	23300	29034
ATN1	32.7048	34.245	27.3918	26.9302	26.2358	22.6682	atrophin 1 [Source:HGNC Symbol;Acc:HGNC:3033]	chr12:7033	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	1822	3033
ATOH1	0.049816	0.198901	0.042371	0.054465	0.057497	0.159488	atonal bHLH transcription factor 1 [Source:HGNC Symbol;Acc:HGI	chr4:94749	NM_00517	.	.	.	NP_00516	.	protein_co	ENSG0000	474	797
ATOH7	0	0.182067	0.077191	0	0.206445	0	atonal bHLH transcription factor 7 [Source:HGNC Symbol;Acc:HGI	chr10:6999	NM_14517	.	.	.	NP_66016	.	protein_co	ENSG0000	220202	13907
ATOH8	0.540975	0.403602	0.355333	0.397302	0.732994	0.841961	atonal bHLH transcription factor 8 [Source:HGNC Symbol;Acc:HGI	chr2:85981	NM_03282	.	.	.	NP_11621	XP_006712	protein_co	ENSG0000	84913	24126
ATOX1	49.469	44.7655	76.7192	62.3759	42.1194	54.4406	antioxidant 1 copper chaperone [Source:HGNC Symbol;Acc:HGNC	chr5:15112	NM_00404	.	.	.	NP_00403	.	protein_co	ENSG0000	475	798
ATP10A	0	0	0	0	0	0	ATPase phospholipid transporting 10A (putative) [Source:HGNC S	chr15:2592	NM_02449	XM_01152	.	.	NP_07781	XP_005268	protein_co	ENSG0000	57194	13542
ATP10B	0	0	0	0.00956	0.009723	0	ATPase phospholipid transporting 10B (putative) [Source:HGNC S	chr5:15999	NM_02515	XM_01153	.	.	NP_07942	XP_006714	protein_co	ENSG0000	23120	13543
ATP10D	1.88874	1.85813	2.40213	2.11403	2.41799	2.61435	ATPase phospholipid transporting 10D (putative) [Source:HGNC S	chr4:47487	NM_02045	XM_01151	.	.	NP_06518	XP_005248	protein_co	ENSG0000	57205	13549
ATP11A	11.4392	11.9153	12.0394	12.1961	13.9992	15.2926	ATPase phospholipid transporting 11A [Source:HGNC Symbol;Acc	chr13:1133	NM_01520	XM_01153	.	.	NP_05602	XP_005268	protein_co	ENSG0000	23250	13552
ATP11B	9.87709	9.88669	12.076	8.72222	12.2468	17.0921	ATPase phospholipid transporting 11B (putative) [Source:HGNC S	chr3:18251	NM_01461	XM_01700	.	.	NP_05543	XP_005247	protein_co	ENSG0000	23200	13553
ATP11C	4.78275	4.85841	5.96476	3.92608	5.7904	6.49502	ATPase phospholipid transporting 11C [Source:HGNC Symbol;Acc	chrX:13880	NM_00101	XM_01702	.	.	NP_00101	XP_016884	protein_co	ENSG0000	286410	13554
ATP12A	0.199142	0.227153	0.13656	0.208994	0.198095	0.31543	ATPase H+/K+ transporting non-gastric alpha2 subunit [Source:H	chr13:2525	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	479	13816
ATP13A1	21.5298	22.4271	21.0664	25.7909	21.3771	17.6398	ATPase 13A1 [Source:HGNC Symbol;Acc:HGNC:24215]	chr19:1975	NM_02041	XM_01152	.	.	NP_06514	.	protein_co	ENSG0000	57130	24215
ATP13A2	21.2739	22.5139	23.2845	20.9401	18.6913	20.7444	ATPase 13A2 [Source:HGNC Symbol;Acc:HGNC:30213]	chr1:17312	NM_00114	XM_01700	.	.	NP_00113	XP_005245	protein_co	ENSG0000	23400	30213
ATP13A3	27.9092	30.2931	29.9484	25.2176	36.081	40.0082	ATPase 13A3 [Source:HGNC Symbol;Acc:HGNC:24113]	chr3:19412	NM_02452	XM_01151	.	.	NP_07880	XP_005269	protein_co	ENSG0000	79572	24113
ATP13A4	0	0	0	0	0	0	ATPase 13A4 [Source:HGNC Symbol;Acc:HGNC:25422]	chr3:19311	NM_03227	XM_01700	.	.	NP_11565	XP_016862	protein_co	ENSG0000	84239	25422
ATP13A5	0	0	0	0	0	0	ATPase 13A5 [Source:HGNC Symbol;Acc:HGNC:31789]	chr3:19299	NM_19850	XM_01151	.	.	NP_94090	XP_011511	protein_co	ENSG0000	344905	31789
ATP1A1	148.197	154.991	143.72	149.913	145.157	153.887	ATPase Na+/K+ transporting subunit alpha 1 [Source:HGNC Symb	chr1:11691	NM_00070	XM_00671	.	.	NP_00069	XP_006710	protein_co	ENSG0000	476	799
ATP1A2	0	0	0	0	0	0	ATPase Na+/K+ transporting subunit alpha 2 [Source:HGNC Symb	chr1:16008	NM_00070	.	.	.	NP_00069	.	protein_co	ENSG0000	477	800
ATP1A3	8.62292	8.63568	9.18072	8.57364	8.67089	6.91186	ATPase Na+/K+ transporting subunit alpha 3 [Source:HGNC Symb	chr19:4247	NM_00125	XM_01152	.	.	NP_00124	XP_011525	protein_co	ENSG0000	478	801
ATP1A4	0	0	0	0	0	0	ATPase Na+/K+ transporting subunit alpha 4 [Source:HGNC Symb	chr1:16012	NM_00100	XM_01150	.	.	NP_00100	XP_011507	protein_co	ENSG0000	480	14073
ATP1B1	27.5789	26.1025	22.0247	16.6711	18.226	20.1452	ATPase Na+/K+ transporting subunit beta 1 [Source:HGNC Symbo	chr1:16907	NM_00167	.	.	.	NP_00166	.	protein_co	ENSG0000	481	804
ATP1B2	0	0	0.024868	0	0	0	ATPase Na+/K+ transporting subunit beta 2 [Source:HGNC Symbo	chr17:7554	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	482	805
ATP1B3	109.869	107.144	109.685	128.266	120.995	146.29	ATPase Na+/K+ transporting subunit beta 3 [Source:HGNC Symbo	chr3:14159	NM_00167	.	.	.	NP_00167	.	protein_co	ENSG0000	483	806
ATP1B4	0	0	0	0	0	0	ATPase Na+/K+ transporting family member beta 4 [Source:HGNC	chrX:11949	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	23439	808
ATP23	4.55276	5.02937	4.77596	5.1375	4.94198	5.92107	ATP23 metallopeptidase and ATP synthase assembly factor homo	chr12:5833	NM_03327	.	.	.	NP_15059	.	protein_co	ENSG0000	91419	29452
ATP2A1	1.34045	0.581592	1.29104	0.91732	0.948128	1.51671	ATPase sarcoplasmic/endoplasmic reticulum Ca2+ transporting 1	chr16:2888	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	487	811
ATP2A2	99.7898	109.882	82.7727	105.024	112.91	97.2027	ATPase sarcoplasmic/endoplasmic reticulum Ca2+ transporting 2	chr12:1107	NM_00168	XM_01153	.	.	NP_00167	XP_005253	protein_co	ENSG0000	488	812
ATP2A3	6.87332	7.7994	9.62692	9.44519	8.11285	9.97567	ATPase sarcoplasmic/endoplasmic reticulum Ca2+ transporting 3	chr17:3827	NM_00517	XM_01152	.	.	NP_00516	XP_011522	protein_co	ENSG0000	489	813
ATP2B1	17.0588	17.8349	17.6528	14.0742	19.1448	20.7541	ATPase plasma membrane Ca2+ transporting 1 [Source:HGNC Syr	chr12:8998	NM_00100	XM_01153	.	.	NP_00100	XP_011536	protein_co	ENSG0000	490	814
ATP2B2	0	0.008826	0.007486	0.019039	0.019788	0.01829	ATPase plasma membrane Ca2+ transporting 2 [Source:HGNC Syr	chr3:10365	NM_00100	XM_01700	.	.	NP_00100	XP_005265	protein_co	ENSG0000	491	815
ATP2B3	0	0	0.014983	0	0	0	ATPase plasma membrane Ca2+ transporting 3 [Source:HGNC Syr	chrX:15278	NM_00100	XM_01153	.	.	NP_00100	XP_005274	protein_co	ENSG0000	492	816
ATP2B4	10.5916	10.5843	12.7839	12.7267	13.0716	15.1263	ATPase plasma membrane Ca2+ transporting 4 [Source:HGNC Syr	chr1:20359	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	493	817
ATP2C1	30.5997	30.1753	26.0216	30.9892	35.4081	32.4617	ATPase secretory pathway Ca2+ transporting 1 [Source:HGNC Syr	chr3:13056	NM_00100	XM_01700	.	.	NP_00100	XP_005247	protein_co	ENSG0000	27032	13211
ATP2C2	4.17257	4.03971	4.04647	5.22644	5.13413	8.73691	ATPase secretory pathway Ca2+ transporting 2 [Source:HGNC Syr	chr16:8440	NM_00128	XM_01152	.	.	NP_00127	XP_011521	protein_co	ENSG0000	9914	29103
ATP4A	0.06219	0.040884	0.017762	0.022202	0.024216	0.045748	ATPase H+/K+ transporting alpha subunit [Source:HGNC Symbol;A	chr19:3604	NM_00070	.	.	.	NP_00069	.	protein_co	ENSG0000	495	819
ATP4B	0	0	0	0	0	0	ATPase H+/K+ transporting beta subunit [Source:HGNC Symbol;A	chr13:1143	NM_00070	.	.	.	NP_00069	.	protein_co	ENSG0000	496	820
ATP5A1	403.499	399.918	431.233	463.026	423.464	423.437	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha s	chr18:4366	NM_00100	XM_01152	.	.	NP_00100	XP_011524	protein_co	ENSG0000	498	823
ATP5B	694.638	693.619	683.818	889.417	772.031	790.152	ATP synthase, H+ transporting, mitochondrial F1 complex, beta p	chr12:5703	NM_00168	.	.	.	NP_00167	.	protein_co	ENSG0000	506	830
ATP5C1	169.463	148.621	176.781	192.106	164.175	176.048	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma	chr10:7830	NM_00100	XM_01151	.	.	NP_00100	.	protein_co	ENSG0000	509	833
ATP5D	209.911	229.79	224.881	267.768	204.168	222.056	ATP synthase, H+ transporting, mitochondrial F1 complex, delta s	chr19:1241	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	513	837
ATP5E	89.1927	90.1656	76.0596	132.729	96.095	94.4618	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon	chr20:5759	NM_00688	.	.	.	NP_00881	.	protein_co	ENSG0000	514	838
ATP5EP2	84.1001	76.8721	90.1638	107.026	86.6413	109.161	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon	chr13:2851	.	.	.	.	.	.	protein_co	ENSG0000	.	34026
ATP5F1	212.858	183.035	194.963	218.778	202.219	192.115	ATP synthase, H+ transporting, mitochondrial Fo complex subunit	chr1:11198	NM_00168	.	.	.	NP_00167	.	protein_co	ENSG0000	515	840
ATP5G1	420.649	402.016	397.301	452.01	335.065	261.067	ATP synthase, H+ transporting, mitochondrial Fo complex subunit	chr17:4697	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	516	841
ATP5G2	348.054	303.667	317.689	329.834	236.993	278.833	ATP synthase, H+ transporting, mitochondrial Fo complex subunit	chr12:5405	NM_00100	.	.	.	NP_00100	XP_016874	protein_co	ENSG0000	517	842
ATP5G3	378.133	354.688	393.396	503.311	412.384	394.454	ATP synthase, H+ transporting, mitochondrial Fo complex subunit	chr2:17604	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	518	843
ATP5H	366.952	324.954	335.665	426.772	330.14	350.806	ATP synthase, H+ transporting, mitochondrial Fo complex subunit	chr17:7302	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	10476	845
ATP5I	668.323	614.635	593.215	787.582	562.2	581.133	ATP synthase, H+ transporting, mitochondrial Fo complex subunit	chr4:66622	NM_0071	.	NR_03374	.	NP_00903	.	protein_co	ENSG0000	521	846
ATP5J	186.936	175.011	192.067	207.059	189.366	206.594	ATP synthase, H+ transporting, mitochondrial Fo complex subunit	chr21:2701	NM_00100	XM_00526	.	.	NP_00100	XP_005261	protein_co	ENSG0000	522	847
ATP5J2	567.734	553.807	506.077	656.961	480.124	454.074	ATP synthase, H+ transporting, mitochondrial Fo complex subunit	chr7:98992	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	9551	848
ATP5J2-PTCD1	8.87905	8.09341	7.80569	8.83099	7.44455	6.43605	ATP5J2-PTCD1 readthrough [Source:HGNC Symbol;Acc:HGNC:388	chr7:98992	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	10052674	38844
ATP5L	108.827	99.8001	98.6503	143.701	97.6114	106.242	ATP synthase, H+ transporting, mitochondrial Fo complex subunit	chr11:1182	NM_00647	.	.	.	NP_00646	.	protein_co	ENSG0000	10632	14247
ATP5L2	11.0141	9.94418	13.9538	14.5882	11.9062	12.0382	ATP synthase, H+ transporting, mitochondrial Fo complex subunit	chr22:4301	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	267020	13213
ATP5O	252.646	225.607	234.179	281.947	218.144	260.298	ATP synthase, H+ transporting, mitochondrial F1 complex, O subu	chr21:3487	NM_00169	.	.	.	NP_00168	.	protein_co	ENSG0000	539	850
ATP5S	2.62398	2.34191	3.92718	2.2252	3.02289	2.96999	ATP synthase, H+ transporting, mitochondrial Fo complex subunit	chr14:5070	NM_00100	XM_01153	.	.	NP_00100	XP_005267	protein_co	ENSG0000	27109	18799
ATP5SL	39.0755	39.5676	33.4286	50.4465	38.7275	33.7577	ATP5S like [Source:HGNC Symbol;Acc:HGNC:25496]	chr19:4193	NM_00116	XM_01152	.	.	NP_00116	XP_011525	protein_co	ENSG0000	55101	25496

ATP6AP1	53.7693	54.977	48.5297	49.8483	47.6906	42.8371	ATPase H+ transporting accessory protein 1 [Source:HGNC Symbo	chrX:15365	NM_00118	XM_01153	.	.	NP_00117	XP_011529	protein_co	ENSG0000	537	868
ATP6AP1L	5.18952	7.61508	6.25065	4.09738	3.4819	5.49365	ATPase H+ transporting accessory protein 1 like [Source:HGNC Sy	chr5:81575	NM_00101	XM_01154	.	.	NP_00101	XP_011542	protein_co	ENSG0000	92270	28091
ATP6AP2	49.6227	49.1734	55.5698	48.0668	46.4327	48.7205	ATPase H+ transporting accessory protein 2 [Source:HGNC Symbo	chrX:40440	NM_00576	.	.	.	NP_00575	.	protein_co	ENSG0000	10159	18305
ATP6V0A1	21.4215	18.9304	18.5611	18.0026	16.457	15.3888	ATPase H+ transporting V0 subunit a1 [Source:HGNC Symbol;Acc:	chr17:4061	NM_00113	XM_01152	NR_04980	.	NP_00112	XP_005257	protein_co	ENSG0000	10084704	865
ATP6V0A2	5.06424	5.50504	6.40708	5.39612	6.42914	5.31911	ATPase H+ transporting V0 subunit a2 [Source:HGNC Symbol;Acc:	chr12:1241	NM_01246	XM_00525	.	.	NP_03659	.	protein_co	ENSG0000	23545	18481
ATP6V0A4	0.114608	0.026606	0.058523	0.085556	0.173153	0.105035	ATPase H+ transporting V0 subunit a4 [Source:HGNC Symbol;Acc:	chr7:13839	NM_02063	XM_00525	.	.	NP_06568	XP_005250	protein_co	ENSG0000	50617	866
ATP6V0B	178.293	169.811	128.116	197.128	151.773	112.028	ATPase H+ transporting V0 subunit b [Source:HGNC Symbol;Acc:H	chr1:44440	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	533	861
ATP6V0C	158.123	159.335	130.039	191.005	149.625	129.961	ATPase H+ transporting V0 subunit c [Source:HGNC Symbol;Acc:H	chr16:2525	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	527	855
ATP6V0D1	31.7401	33.8503	27.8785	33.599	28.1322	21.3791	ATPase H+ transporting V0 subunit d1 [Source:HGNC Symbol;Acc:	chr16:6747	NM_00469	XM_01152	.	.	NP_00468	XP_011521	protein_co	ENSG0000	9114	13724
ATP6V0D2	0	0	0	0	0	0	ATPase H+ transporting V0 subunit d2 [Source:HGNC Symbol;Acc	chr8:87111	NM_15256	.	.	.	NP_68977	.	protein_co	ENSG0000	245972	18266
ATP6V0E1	93.1221	83.3084	91.5998	118.749	101.979	100.673	ATPase H+ transporting V0 subunit e1 [Source:HGNC Symbol;Acc:	chr5:17241	NM_00394	.	.	.	NP_00393	.	protein_co	ENSG0000	8992	863
ATP6V0E2	27.7291	25.8009	24.7475	30.8062	23.1328	16.8123	ATPase H+ transporting V0 subunit e2 [Source:HGNC Symbol;Acc:	chr7:14957	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	155066	21723
ATP6V1A	20.6563	20.48	25.7628	23.3089	24.8532	23.4606	ATPase H+ transporting V1 subunit A [Source:HGNC Symbol;Acc:H	chr3:11346	NM_00169	.	.	.	NP_00168	.	protein_co	ENSG0000	523	851
ATP6V1B1	0.122056	0.121394	0.140215	0.163233	0.094279	0.488278	ATPase H+ transporting V1 subunit B1 [Source:HGNC Symbol;Acc	chr2:71163	NM_00169	.	.	.	NP_00168	.	protein_co	ENSG0000	525	853
ATP6V1B2	40.5671	38.2182	35.4371	45.6385	42.8673	42.4333	ATPase H+ transporting V1 subunit B2 [Source:HGNC Symbol;Acc	chr8:20054	NM_00169	.	.	.	NP_00168	.	protein_co	ENSG0000	526	854
ATP6V1C1	40.1118	35.707	39.2835	33.1512	39.2495	36.904	ATPase H+ transporting V1 subunit C1 [Source:HGNC Symbol;Acc	chr8:10403	NM_00169	.	.	.	NP_00168	.	protein_co	ENSG0000	528	856
ATP6V1C2	1.16296	1.03718	2.472	1.65392	1.00721	2.1005	ATPase H+ transporting V1 subunit C2 [Source:HGNC Symbol;Acc	chr2:10861	NM_00103	XM_01151	.	.	NP_00103	XP_011508	protein_co	ENSG0000	245973	18264
ATP6V1D	25.3873	22.1	22.7304	28.0859	24.8214	26.6654	ATPase H+ transporting V1 subunit D [Source:HGNC Symbol;Acc:H	chr14:6780	NM_01599	.	.	.	NP_05707	.	protein_co	ENSG0000	51382	13527
ATP6V1E1	78.4566	73.7827	76.6233	90.7611	71.57	77.3985	ATPase H+ transporting V1 subunit E1 [Source:HGNC Symbol;Acc:	chr22:1807	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	529	857
ATP6V1E2	3.94153	3.49452	2.81996	2.84114	2.53888	3.184	ATPase H+ transporting V1 subunit E2 [Source:HGNC Symbol;Acc:	chr2:46738	NM_00131	XM_01153	.	.	NP_00130	XP_005264	protein_co	ENSG0000	90423	18125
ATP6V1F	165.902	151.903	162.521	194.448	144.246	120.067	ATPase H+ transporting V1 subunit F [Source:HGNC Symbol;Acc:H	chr7:12850	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	9296	16832
ATP6V1G1	108.397	109.656	99.5771	132.477	113.128	106.341	ATPase H+ transporting V1 subunit G1 [Source:HGNC Symbol;Acc	chr9:11735	NM_00488	.	.	.	NP_00487	.	protein_co	ENSG0000	9550	864
ATP6V1G2	1.51118	2.37733	1.15651	1.48778	1.23204	0.792001	ATPase H+ transporting V1 subunit G2 [Source:HGNC Symbol;Acc	chr6:31512	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	534	862
ATP6V1G3	0	0	0	0	0	0	ATPase H+ transporting V1 subunit G3 [Source:HGNC Symbol;Acc	chr1:19849	NM_00132	XM_01150	.	.	NP_00130	XP_006711	protein_co	ENSG0000	127124	18265
ATP6V1H	16.5065	15.5501	17.8106	18.787	19.5078	17.6712	ATPase H+ transporting V1 subunit H [Source:HGNC Symbol;Acc:H	chr8:54628	NM_01594	XM_00671	.	.	NP_05702	XP_006716	protein_co	ENSG0000	51606	18303
ATP7A	1.99969	2.17455	2.66404	1.75467	2.5213	3.00558	ATPase copper transporting alpha [Source:HGNC Symbol;Acc:HGN	chrX:77166	NM_00005	.	.	.	NP_00004	.	protein_co	ENSG0000	538	869
ATP7B	1.79915	1.82907	3.3292	1.58495	2.04672	2.46076	ATPase copper transporting beta [Source:HGNC Symbol;Acc:HGN	chr13:5250	NM_00005	XM_01702	.	.	NP_00004	XP_005266	protein_co	ENSG0000	540	870
ATP8A1	0.232937	0.308927	0.385739	0.313328	0.442269	0.57964	ATPase phospholipid transporting 8A1 [Source:HGNC Symbol;Acc	chr4:42410	NM_00110	XM_01700	.	.	NP_00109	XP_005248	protein_co	ENSG0000	10396	13531
ATP8A2	0	0	0.018226	0.047349	0.023867	0.037645	ATPase phospholipid transporting 8A2 [Source:HGNC Symbol;Acc	chr13:2594	NM_01652	XM_01153	.	.	NP_05761	XP_005266	protein_co	ENSG0000	51761	13533
ATP8B1	4.22816	3.89302	3.98853	4.43431	4.71857	4.63213	ATPase phospholipid transporting 8B1 [Source:HGNC Symbol;Acc	chr18:5531	NM_00560	XM_01152	.	.	NP_00559	XP_006722	protein_co	ENSG0000	5205	3706
ATP8B2	11.6864	12.9646	11.1684	9.42571	9.61931	8.23725	ATPase phospholipid transporting 8B2 [Source:HGNC Symbol;Acc	chr1:15429	NM_00100	XM_01700	.	.	NP_00100	XP_005245	protein_co	ENSG0000	57198	13534
ATP8B3	3.91413	3.99832	4.79809	3.19541	3.22134	3.27697	ATPase phospholipid transporting 8B3 [Source:HGNC Symbol;Acc	chr19:1782	NM_00117	XM_01152	.	.	NP_00117	XP_006722	protein_co	ENSG0000	148229	13535
ATP8B4	0.095226	0.083544	0.059158	0.089073	0.105332	0.092698	ATPase phospholipid transporting 8B4 (putative) [Source:HGNC S	chr15:5015	NM_02483	XM_01702	.	.	NP_07911	XP_011520	protein_co	ENSG0000	79895	13536
ATP9A	6.76426	7.42689	9.06621	6.37716	7.49776	7.80606	ATPase phospholipid transporting 9A (putative) [Source:HGNC Sy	chr20:5021	NM_00604	XM_01152	.	.	NP_00603	XP_011526	protein_co	ENSG0000	10079	13540
ATP9B	2.91401	2.58269	2.57059	1.96361	2.48999	2.38452	ATPase phospholipid transporting 9B (putative) [Source:HGNC Sy	chr18:7682	NM_00130	XM_01152	.	.	NP_00129	XP_005266	protein_co	ENSG0000	374868	13541
ATPAF1	23.9126	21.8102	25.5811	29.0847	26.283	25.4785	ATP synthase mitochondrial F1 complex assembly factor 1 [Sourc	chr1:47098	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	64756	18803
ATPAF2	9.4941	9.74273	9.45477	13.3402	9.75374	9.27651	ATP synthase mitochondrial F1 complex assembly factor 2 [Sourc	chr17:1787	NM_14569	.	.	.	NP_66372	.	protein_co	ENSG0000	91647	18802
ATPIF1	236.18	228.051	189.472	237.209	188.07	211.187	ATPase inhibitory factor 1 [Source:HGNC Symbol;Acc:HGNC:871]	chr1:28562	NM_01631	.	.	.	NP_05739	.	protein_co	ENSG0000	93974	871
ATR	6.66315	6.01092	7.9946	5.37673	7.22578	6.7489	ATR serine/threonine kinase [Source:HGNC Symbol;Acc:HGNC:88	chr3:14216	NM_00118	XM_01151	.	.	NP_00117	XP_011511	protein_co	ENSG0000	545	882
ATRAID	102.648	97.6892	94.8333	115.695	80.994	99.3317	all-trans retinoic acid induced differentiation factor [Source:HGN	chr2:27422	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	51374	24090
ATRIP	10.2438	10.474	8.89864	11.2981	9.84151	6.29988	ATR interacting protein [Source:HGNC Symbol;Acc:HGNC:33499]	chr3:48488	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	84126	33499
ATRN	9.1965	9.67484	9.96448	8.99066	10.173	9.32241	attractin [Source:HGNC Symbol;Acc:HGNC:885]	chr20:3451	NM_00120	XM_01152	.	.	NP_00119	.	protein_co	ENSG0000	8455	885
ATRNL1	0.535805	0.471222	0.447817	0.148879	0.812019	0.557568	attractin like 1 [Source:HGNC Symbol;Acc:HGNC:29063]	chr10:1168	NM_00127	XM_01153	.	.	NP_00126	XP_011537	protein_co	ENSG0000	26033	29063
ATRX	6.61595	6.19906	9.38104	5.37036	7.9279	9.24043	ATRX, chromatin remodeler [Source:HGNC Symbol;Acc:HGNC:88	chrX:76760	NM_00048	XM_01702	.	.	NP_00048	XP_005262	protein_co	ENSG0000	546	886
ATXN1	3.74854	3.71752	3.96532	2.7907	3.66369	5.75635	ataxin 1 [Source:HGNC Symbol;Acc:HGNC:10548]	chr6:16299	NM_00033	.	.	.	NP_00032	.	protein_co	ENSG0000	6310	10548
ATXN10	37.4395	36.1927	40.6925	48.3911	42.4058	44.7604	ataxin 10 [Source:HGNC Symbol;Acc:HGNC:10549]	chr22:4606	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	25814	10549
ATXN1L	10.6421	10.631	11.0553	9.90414	10.9227	9.58607	ataxin 1 like [Source:HGNC Symbol;Acc:HGNC:33279]	chr16:7187	NM_00113	.	.	.	NP_00113	.	protein_co	ENSG0000	342371	33279
ATXN2	8.57051	9.38954	9.93736	8.65428	9.5453	9.05555	ataxin 2 [Source:HGNC Symbol;Acc:HGNC:10555]	chr12:1118	NM_00297	.	.	.	NP_00129	.	protein_co	ENSG0000	6311	10555
ATXN2L	43.3446	45.8117	35.499	38.3724	35.6564	41.203	ataxin 2 like [Source:HGNC Symbol;Acc:HGNC:31326]	chr16:2883	NM_00130	XM_01154	.	.	NP_00129	XP_005255	protein_co	ENSG0000	11273	31326
ATXN3	9.50076	8.22071	10.4728	8.13492	6.8343	12.3096	ataxin 3 [Source:HGNC Symbol;Acc:HGNC:7106]	chr14:9243	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	4287	7106
ATXN3L	0	0	0	0	0.037584	0	ataxin 3 like [Source:HGNC Symbol;Acc:HGNC:24173]	chrX:13336	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	92552	24173
ATXN7	8.221	8.64576	10.1256	6.40753	7.04236	8.66692	ataxin 7 [Source:HGNC Symbol;Acc:HGNC:10560]	chr3:63850	NM_00033	.	.	.	NP_00032	.	protein_co	ENSG0000	6314	10560
ATXN7L1	2.04824	2.61212	2.55713	1.9696	2.70144	2.28324	ataxin 7 like 1 [Source:HGNC Symbol;Acc:HGNC:22210]	chr7:10524	NM_00131	XM_01151	.	.	NP_00130	XP_005250	protein_co	ENSG0000	222255	22210
ATXN7L2	4.00245	3.75165	3.26249	4.80737	4.08842	2.06323	ataxin 7 like 2 [Source:HGNC Symbol;Acc:HGNC:28713]	chr1:11002	NM_15334	XM_00527	.	.	NP_69917	XP_005270	protein_co	ENSG0000	127002	28713
ATXN7L3	30.4372	32.5205	29.9647	27.2695	24.656	24.8563	ataxin 7 like 3 [Source:HGNC Symbol;Acc:HGNC:25416]	chr17:4226	NM_00109	XM_01702	.	.	NP_00109	XP_011523	protein_co	ENSG0000	56970	25416
ATXN7L3B	26.2146	27.5179	24.1816	24.144	25.0396	23.1285	ataxin 7 like 3B [Source:HGNC Symbol;Acc:HGNC:37931]	chr12:7493	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	552889	37931
AUH	11.1992	11.7959	14.535	7.83596	8.07181	11.43	AU RNA binding methylglutaconyl-CoA hydratase [Source:HGNC S	chr9:93976	NM_00130	XM_01151	.	.	NP_00129	XP_005252	protein_co	ENSG0000	549	890
AUNIP	11.8812	12.0038	10.7951	15.2828	12.9837	14.523	aurora kinase A and ninein interacting protein [Source:HGNC Sym	chr1:26146	NM_00128	.	.	.	NP_00127	XP_016857	protein_co	ENSG0000	79000	28363
AUP1	97.8151	83.3561	81.6617	93.7442	78.4833	58.8735	ancient ubiquitous protein 1 [Source:HGNC Symbol;Acc:HGNC:89	chr2:74753	NM_18157	XM_00526	.	.	NP_85355	XP_005264	protein_co	ENSG0000	550	891

AURKA	38.9772	38.4176	37.856	73.3845	72.8729	48.8193	aurora kinase A [Source:HGNC Symbol;Acc:HGNC:11393]	chr20:5494	NM_00132	XM_01702	.	.	NP_00131	XP_00526	protein_co	ENSG0000	6790	11393
AURKAIP1	154.638	150.833	136.453	198.391	156.634	119.861	aurora kinase A interacting protein 1 [Source:HGNC Symbol;Acc:H	chr1:13091	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	54998	24114
AURKB	50.0445	51.0639	47.7779	75.4614	61.6509	55.2782	aurora kinase B [Source:HGNC Symbol;Acc:HGNC:11390]	chr17:8108	NM_00125	XM_01702	.	.	NP_00124	XP_01152	protein_co	ENSG0000	9212	11390
AURKC	0.716837	0.229296	0.565911	0.361836	0.255811	0.474948	aurora kinase C [Source:HGNC Symbol;Acc:HGNC:11391]	chr19:5774	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	6795	11391
AUTS2	0	0	0	0	0	0	autism susceptibility candidate 2 [Source:HGNC Symbol;Acc:HGN	chr7:69063	NM_00112	XM_01151	.	.	NP_00112	XP_00525	protein_co	ENSG0000	26053	14262
AVEN	8.76558	8.69363	6.14079	8.56799	8.3562	6.56475	apoptosis and caspase activation inhibitor [Source:HGNC Symbol;	chr15:3415	NM_02037	.	.	.	NP_06510	.	protein_co	ENSG0000	57099	13509
AVIL	0.11931	0.244329	0.121326	0.043803	0.022558	0.10401	advillin [Source:HGNC Symbol;Acc:HGNC:14188]	chr12:5817	NM_00657	XM_01153	.	.	NP_00656	XP_016874	protein_co	ENSG0000	10677	14188
AVL9	18.742	18.6006	17.6232	16.4139	18.6156	23.7372	AVL9 cell migration associated [Source:HGNC Symbol;Acc:HGNC:2	chr7:32535	NM_01506	XM_01151	.	.	NP_05587	XP_00524	protein_co	ENSG0000	23080	28994
AVP	0	0	0	0	0	0	arginine vasopressin [Source:HGNC Symbol;Acc:HGNC:894]	chr20:3063	NM_00049	XM_01152	.	.	NP_00048	XP_011527	protein_co	ENSG0000	551	894
AVPI1	12.1704	12.931	11.5684	12.5523	10.4398	8.83381	arginine vasopressin induced 1 [Source:HGNC Symbol;Acc:HGNC:	chr10:9943	NM_02173	XM_01701	.	.	NP_06837	XP_016871	protein_co	ENSG0000	60370	30898
AVPR1A	0	0	0.014082	0	0	0.015848	arginine vasopressin receptor 1A [Source:HGNC Symbol;Acc:HGN	chr12:6353	NM_00070	XM_00526	.	.	NP_00069	.	protein_co	ENSG0000	552	895
AVPR1B	0	0	0	0	0	0	arginine vasopressin receptor 1B [Source:HGNC Symbol;Acc:HGN	chr1:20622	NM_00070	.	.	.	NP_00069	.	protein_co	ENSG0000	553	896
AVPR2	0	0	0	0	0	0	arginine vasopressin receptor 2 [Source:HGNC Symbol;Acc:HGNC	chrX:15317	NM_00005	XM_00672	.	.	NP_00004	XP_006724	protein_co	ENSG0000	554	897
AWAT1	0	0	0	0	0	0	acyl-CoA wax alcohol acyltransferase 1 [Source:HGNC Symbol;Acc	chrX:69454	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	158833	23252
AWAT2	0	0	0.035718	0	0.046812	0	acyl-CoA wax alcohol acyltransferase 2 [Source:HGNC Symbol;Acc	chrX:69260	NM_00100	XM_01153	.	.	NP_00100	XP_01152	protein_co	ENSG0000	158835	23251
AXDND1	0.276397	0.388899	0.325993	0.237964	0.3439	0.42234	axonemal dynein light chain domain containing 1 [Source:HGNC S	chr1:17933	NM_14469	XM_01150	.	.	NP_65329	XP_011507	protein_co	ENSG0000	126859	26564
AXIN1	8.89504	8.73186	8.8002	8.82123	7.64838	7.63966	axin 1 [Source:HGNC Symbol;Acc:HGNC:903]	chr16:3374	NM_00350	XM_01702	.	.	NP_00349	XP_01152	protein_co	ENSG0000	8312	903
AXIN2	12.5041	13.7631	16.0015	17.7636	18.1038	15.1475	axin 2 [Source:HGNC Symbol;Acc:HGNC:904]	chr17:6352	NM_00465	XM_01702	.	.	NP_00464	XP_01152	protein_co	ENSG0000	8313	904
AXL	16.0319	17.1184	13.6973	7.43896	8.0689	7.81078	AXL receptor tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:90	chr19:4172	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	558	905
AZGP1	0.093048	0.286114	0.408292	0.563318	0.474833	0.438986	alpha-2-glycoprotein 1, zinc-binding [Source:HGNC Symbol;Acc:H	chr7:99564	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	563	910
AZI2	14.0743	15.6931	10.3947	15.7617	16.0039	16.6828	5-azacytidine induced 2 [Source:HGNC Symbol;Acc:HGNC:24002]	chr3:28283	NM_00113	XM_01153	.	.	NP_00112	XP_00526	protein_co	ENSG0000	64343	24002
AZIN1	80.4252	83.3801	77.1849	74.4185	91.7636	88.7556	antizyme inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:16432]	chr8:10383	NM_00130	XM_01151	.	.	NP_00128	XP_00525	protein_co	ENSG0000	51582	16432
AZIN2	2.79786	2.30971	3.1704	1.8178	1.35832	1.82778	antizyme inhibitor 2 [Source:HGNC Symbol;Acc:HGNC:29957]	chr1:33546	NM_00129	XM_01154	.	.	NP_00128	XP_00527	protein_co	ENSG0000	113451	29957
AZU1	0.119722	0	0	0	0.062612	0.134052	azurocidin 1 [Source:HGNC Symbol;Acc:HGNC:913]	chr19:8250	NM_00170	.	.	.	NP_00169	.	protein_co	ENSG0000	566	913
B2M	626.366	583.982	434.479	472.957	416.396	463.582	beta-2-microglobulin [Source:HGNC Symbol;Acc:HGNC:914]	chr15:4500	NM_00404	.	.	.	NP_00403	XP_00525	protein_co	ENSG0000	567	914
B3GALNT1	7.26225	8.69457	5.56629	7.44826	6.7243	6.20566	beta-1,3-N-acetylgalactosaminyltransferase 1 (globoside blood gr	chr3:16080	NM_00103	XM_01700	.	.	NP_00103	XP_00524	protein_co	ENSG0000	8706	918
B3GALNT2	15.1321	14.6842	15.7252	14.6793	16.8411	14.8358	beta-1,3-N-acetylgalactosaminyltransferase 2 [Source:HGNC Sym	chr1:23561	NM_00127	XM_00671	.	.	NP_00126	XP_006711	protein_co	ENSG0000	148789	28596
B3GALT1	0.407672	0.493869	0.588857	0.311598	0.300432	0.477147	beta-1,3-galactosyltransferase 1 [Source:HGNC Symbol;Acc:HGN	chr2:16872	NM_02098	XM_01151	.	.	NP_06619	XP_00524	protein_co	ENSG0000	8708	916
B3GALT2	0	0	0.021083	0	0	0	beta-1,3-galactosyltransferase 2 [Source:HGNC Symbol;Acc:HGN	chr1:19309	NM_00378	.	.	.	NP_00377	.	protein_co	ENSG0000	8707	917
B3GALT4	0.700023	0.567853	0.550491	0.434103	0.136296	0.325607	beta-1,3-galactosyltransferase 4 [Source:HGNC Symbol;Acc:HGN	chr6:33244	NM_00378	.	.	.	NP_00377	.	protein_co	ENSG0000	8705	919
B3GALT5	0.635643	0.553546	0.559361	1.04683	1.62745	1.39915	beta-1,3-galactosyltransferase 5 [Source:HGNC Symbol;Acc:HGN	chr21:4092	NM_00127	.	.	.	NP_00126	XP_016883	protein_co	ENSG0000	10317	920
B3GALT6	9.48449	10.5957	10.1342	6.8167	6.15926	6.04685	beta-1,3-galactosyltransferase 6 [Source:HGNC Symbol;Acc:HGN	chr1:11676	NM_08060	.	.	.	NP_54217	.	protein_co	ENSG0000	126792	17978
B3GAT1	0	0	0	0	0	0.013728	beta-1,3-glucuronyltransferase 1 [Source:HGNC Symbol;Acc:HGN	chr11:1342	NM_01864	XM_01154	.	.	NP_06111	XP_005271	protein_co	ENSG0000	27087	921
B3GAT2	0.099287	0.035705	0.014349	0.09667	0.073049	0.063765	beta-1,3-glucuronyltransferase 2 [Source:HGNC Symbol;Acc:HGN	chr6:71377	NM_08074	.	.	.	NP_54278	.	protein_co	ENSG0000	135152	922
B3GAT3	34.2756	34.4269	32.9773	38.9347	35.9753	29.4157	beta-1,3-glucuronyltransferase 3 [Source:HGNC Symbol;Acc:HGN	chr11:6238	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	26229	923
B3GLCT	2.72797	2.98822	2.61084	2.61744	3.27374	3.93749	beta 3-glucosyltransferase [Source:HGNC Symbol;Acc:HGNC:2020	chr13:3177	NM_19431	XM_01702	.	.	NP_91929	XP_006719	protein_co	ENSG0000	145173	20207
B3GNT2	17.4536	17.8005	18.4037	18.4796	22.1896	23.1159	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2	chr2:62423	NM_00131	XM_01153	.	.	NP_00130	XP_01153	protein_co	ENSG0000	10678	15629
B3GNT3	11.2597	12.1975	9.3755	11.2464	8.88374	8.89271	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3	chr19:1790	NM_01425	XM_01152	.	.	NP_05507	XP_01152	protein_co	ENSG0000	10331	13528
B3GNT4	4.61415	2.89693	4.39903	4.12885	3.12878	2.31999	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4	chr12:1226	NM_03076	XM_01153	.	.	NP_11039	XP_011537	protein_co	ENSG0000	79369	15683
B3GNT5	13.8964	14.3758	13.079	13.1923	17.6652	18.2509	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5	chr3:18289	NM_03204	XM_01151	.	.	NP_11443	XP_005247	protein_co	ENSG0000	84002	15684
B3GNT6	0.041179	0.040121	0	0	0	0.04568	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6	chr11:7674	NM_13870	.	.	.	NP_61965	.	protein_co	ENSG0000	192134	24141
B3GNT7	3.57994	3.49607	3.90245	3.4068	2.65273	2.93336	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 7	chr2:23226	NM_14523	XM_00524	.	.	NP_66027	XP_005247	protein_co	ENSG0000	93010	18811
B3GNT8	0.057134	0	0.048639	0.060559	0.066551	0.064526	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 8	chr19:4193	NM_19854	XM_01152	.	.	NP_94094	XP_01152	protein_co	ENSG0000	374907	24139
B3GNT9	1.97743	1.7047	1.8401	1.82406	0.929471	1.67913	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 9	chr16:6714	NM_03330	.	.	.	NP_17160	.	protein_co	ENSG0000	84752	28714
B3GNTL1	7.73238	7.48995	6.54228	7.76182	5.10235	6.64939	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-li	chr17:8070	NM_00100	XM_01152	.	.	NP_00100	XP_006722	protein_co	ENSG0000	146712	21727
B4GALNT1	14.8996	14.5761	12.8225	12.5726	11.4151	11.759	beta-1,4-N-acetyl-galactosaminyltransferase 1 [Source:HGNC Sym	chr12:5801	NM_00127	XM_01153	.	.	NP_00126	XP_00526	protein_co	ENSG0000	2583	4117
B4GALNT2	0	0.009464	0	0	0	0	beta-1,4-N-acetyl-galactosaminyltransferase 2 [Source:HGNC Sym	chr17:4720	NM_00115	.	.	.	NP_00115	XP_016879	protein_co	ENSG0000	124872	24136
B4GALNT3	3.96276	4.40642	5.33174	3.21461	2.92519	3.77075	beta-1,4-N-acetyl-galactosaminyltransferase 3 [Source:HGNC Sym	chr12:5695	NM_17359	.	.	.	NP_77586	.	protein_co	ENSG0000	283358	24137
B4GALNT4	9.63186	8.44496	10.5441	8.73284	8.45739	5.35769	beta-1,4-N-acetyl-galactosaminyltransferase 4 [Source:HGNC Sym	chr11:3698	NM_17853	XM_00525	.	.	NP_84863	XP_016873	protein_co	ENSG0000	338707	26315
B4GALT1	24.0412	25.5396	21.3906	18.7056	19.6507	23.3227	beta-1,4-galactosyltransferase 1 [Source:HGNC Symbol;Acc:HGN	chr9:33104	NM_00149	XM_00525	.	.	NP_00148	XP_005251	protein_co	ENSG0000	2683	924
B4GALT2	56.5482	56.9953	48.964	64.9816	54.5726	46.3034	beta-1,4-galactosyltransferase 2 [Source:HGNC Symbol;Acc:HGN	chr1:44444	NM_00100	XM_01700	.	.	NP_00100	XP_016858	protein_co	ENSG0000	8704	925
B4GALT3	32.4521	32.658	27.8267	31.961	28.0447	27.2872	beta-1,4-galactosyltransferase 3 [Source:HGNC Symbol;Acc:HGN	chr1:16113	NM_00119	XM_01151	.	.	NP_00118	XP_00524	protein_co	ENSG0000	8703	926
B4GALT4	9.26553	9.3759	7.05963	8.29584	8.83755	9.25098	beta-1,4-galactosyltransferase 4 [Source:HGNC Symbol;Acc:HGN	chr3:11893	NM_00377	XM_01151	.	.	NP_00376	XP_005247	protein_co	ENSG0000	8702	927
B4GALT5	113.759	116.339	82.1557	115.539	120.847	127.632	beta-1,4-galactosyltransferase 5 [Source:HGNC Symbol;Acc:HGN	chr20:4824	NM_00477	.	.	.	NP_00476	.	protein_co	ENSG0000	9334	928
B4GALT6	2.89074	2.97772	4.71197	2.50165	3.07932	3.81959	beta-1,4-galactosyltransferase 6 [Source:HGNC Symbol;Acc:HGN	chr18:2920	NM_00477	XM_00672	.	.	NP_00476	XP_005258	protein_co	ENSG0000	9331	929
B4GALT7	15.9493	17.0394	13.4834	12.2558	9.02472	8.4446	beta-1,4-galactosyltransferase 7 [Source:HGNC Symbol;Acc:HGN	chr5:17702	NM_00725	XM_00671	.	.	NP_00918	XP_006714	protein_co	ENSG0000	11285	930
B4GAT1	6.74037	6.62545	7.1236	8.16576	7.83582	6.10082	beta-1,4-glucuronyltransferase 1 [Source:HGNC Symbol;Acc:HGN	chr11:6611	NM_00687	.	.	.	NP_00686	.	protein_co	ENSG0000	11041	15685
B9D1	13.8565	12.3431	11.4622	10.9403	6.25755	6.40834	B9 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24123]	chr17:1924	NM_00124	XM_01152	.	.	NP_00123	XP_00525	protein_co	ENSG0000	27077	24123
B9D2	3.82989	4.6545	3.19977	4.95613	4.21069	3.45149	B9 protein domain 2 [Source:HGNC Symbol;Acc:HGNC:28636]	chr19:4183	NM_03057	XM_01152	.	.	NP_08505	XP_01152	protein_co	ENSG0000	80776	28636

BAALC	0	0	0	0	0	0	brain and acute leukemia, cytoplasmic [Source:HGNC Symbol;Acc	chr8:10415	NM_00102	.	.	.	NP_001019	.	protein_co	ENSG0000	79870	14333
BAAT	0.048819	0.130824	0.060959	0.079427	0.133261	0.034285	bile acid-CoA:amino acid N-acyltransferase [Source:HGNC Symbo	chr9:10412	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	570	932
BABAM1	53.1705	55.7541	41.9929	61.0344	46.9571	34.1364	BRISC and BRCA1 A complex member 1 [Source:HGNC Symbol;Ac	chr19:1737	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	29086	25008
BACE1	3.45068	3.87273	3.84649	5.01834	4.45587	5.33946	beta-secretase 1 [Source:HGNC Symbol;Acc:HGNC:933]	chr11:1171	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	23621	933
BACE2	12.6638	10.6274	10.7256	11.411	9.9274	8.94679	beta-site APP-cleaving enzyme 2 [Source:HGNC Symbol;Acc:HGN	chr21:4253	NM_01210	.	.	.	NP_03623	.	protein_co	ENSG0000	25825	934
BACH1	7.70432	7.75965	7.48019	5.24771	6.30901	7.36381	BTB domain and CNC homolog 1 [Source:HGNC Symbol;Acc:HGN	chr21:3067	NM_00118	.	NR_03336	.	NP_00117	.	protein_co	ENSG0000	100379661	935
BACH2	0.801111	0.851676	0.939613	0.317528	0.310137	0.744786	BTB domain and CNC homolog 2 [Source:HGNC Symbol;Acc:HGN	chr6:90636	NM_00117	XM_01153	.	.	NP_00116	XP_005248	protein_co	ENSG0000	60468	14078
BAD	44.5747	40.1724	38.2848	56.6744	37.0826	27.5961	BCL2 associated agonist of cell death [Source:HGNC Symbol;Acc:H	chr11:6403	NM_00432	.	.	.	NP_00431	.	protein_co	ENSG0000	572	936
BAG1	31.7273	32.1555	27.48	31.7859	26.4578	23.8485	BCL2 associated athanogene 1 [Source:HGNC Symbol;Acc:HGNC:9	chr9:33252	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	573	937
BAG2	11.9665	12.3123	9.74442	15.0132	15.0748	10.6669	BCL2 associated athanogene 2 [Source:HGNC Symbol;Acc:HGNC:9	chr6:57037	NM_00428	.	.	.	NP_00427	.	protein_co	ENSG0000	9532	938
BAG3	43.5465	49.3094	36.2152	62.8898	53.7779	32.6104	BCL2 associated athanogene 3 [Source:HGNC Symbol;Acc:HGNC:9	chr10:1214	NM_00428	XM_00527	.	.	NP_00427	XP_005270	protein_co	ENSG0000	9531	939
BAG4	13.4401	13.6658	13.483	15.4639	17.3522	13.9752	BCL2 associated athanogene 4 [Source:HGNC Symbol;Acc:HGNC:9	chr8:38020	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	9530	940
BAG5	18.1974	18.0362	16.0849	16.8693	19.3271	15.8528	BCL2 associated athanogene 5 [Source:HGNC Symbol;Acc:HGNC:9	chr14:1040	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	9529	941
BAG6	65.2294	70.0747	64.4237	67.9808	61.8234	66.2858	BCL2 associated athanogene 6 [Source:HGNC Symbol;Acc:HGNC:1	chr6:31606	NM_00109	XM_01151	.	.	NP_00109	XP_011513	protein_co	ENSG0000	7917	13919
BAHCC1	6.63576	7.11633	7.56836	5.4964	5.71048	6.14452	BAH domain and coiled-coil containing 1 [Source:HGNC Symbol;A	chr17:7936	NM_00129	XM_01702	.	.	NP_00127	XP_011523	protein_co	ENSG0000	57597	29279
BAHD1	14.978	15.9229	14.842	18.2407	15.5523	14.9584	bromo adjacent homology domain containing 1 [Source:HGNC Sy	chr15:4073	NM_00130	XM_01152	.	.	NP_00128	XP_011519	protein_co	ENSG0000	22893	29153
BAIAP2	34.5403	37.3718	28.7975	36.4243	31.0863	23.4956	BAI1 associated protein 2 [Source:HGNC Symbol;Acc:HGNC:947]	chr17:7900	NM_00114	XM_01152	.	.	NP_00113	XP_005257	protein_co	ENSG0000	10458	947
BAIAP2L1	20.7522	22.2513	19.7439	20.9062	18.5625	20.06	BAI1 associated protein 2 like 1 [Source:HGNC Symbol;Acc:HGNC	chr7:97910	NM_01884	.	.	.	NP_06133	.	protein_co	ENSG0000	55971	21649
BAIAP2L2	0.327673	0.518651	0.253099	0.348706	0.335661	0.599751	BAI1 associated protein 2 like 2 [Source:HGNC Symbol;Acc:HGNC	chr22:3848	NM_02504	XM_01153	.	.	NP_07932	XP_005261	protein_co	ENSG0000	80115	26203
BAIAP3	5.43828	5.30014	9.41573	5.55124	5.32375	7.102	BAI1 associated protein 3 [Source:HGNC Symbol;Acc:HGNC:948]	chr16:1383	NM_00119	XM_01152	.	.	NP_00118	XP_011521	protein_co	ENSG0000	8938	948
BAK1	18.448	16.9129	16.2958	20.2768	16.8714	13.6925	BCL2 antagonist/killer 1 [Source:HGNC Symbol;Acc:HGNC:949]	chr6:33540	NM_00118	XM_01151	.	.	NP_00117	XP_011513	protein_co	ENSG0000	578	949
BAMBI	18.2578	22.3931	15.4693	16.5581	15.7017	16.5287	BMP and activin membrane bound inhibitor [Source:HGNC Symb	chr10:2896	NM_01234	.	.	.	NP_03647	.	protein_co	ENSG0000	25805	30251
BANF1	233.519	227.16	182.218	278.474	221.781	198.674	barrier to autointegration factor 1 [Source:HGNC Symbol;Acc:HG	chr11:6576	NM_00114	XM_01701	.	.	NP_00113	XP_016874	protein_co	ENSG0000	8815	17397
BANF2	0	0	0	0	0	0	barrier to autointegration factor 2 [Source:HGNC Symbol;Acc:HG	chr20:1767	NM_00101	XM_00526	.	.	NP_00101	XP_005260	protein_co	ENSG0000	140836	16172
BANK1	1.03947	1.35724	1.09525	2.1286	2.00464	2.43322	B-cell scaffold protein with ankyrin repeats 1 [Source:HGNC Symb	chr4:10234	NM_00108	.	.	.	NP_00107	XP_016863	protein_co	ENSG0000	55024	18233
BANP	7.85114	8.13314	5.83258	8.83213	7.66657	5.62485	BTG3 associated nuclear protein [Source:HGNC Symbol;Acc:HGN	chr16:8798	NM_00117	XM_01702	.	.	NP_00116	XP_005256	protein_co	ENSG0000	54971	13450
BAP1	23.063	23.3533	22.6009	23.5362	23.3372	21.5146	BRCA1 associated protein 1 [Source:HGNC Symbol;Acc:HGNC:950	chr3:52435	NM_00465	XM_01700	.	.	NP_00464	XP_011532	protein_co	ENSG0000	8314	950
BARD1	6.27302	6.69615	5.16545	10.1096	9.56656	8.27867	BRCA1 associated RING domain 1 [Source:HGNC Symbol;Acc:HGN	chr2:21559	NM_00046	XM_01700	.	.	NP_00045	XP_016860	protein_co	ENSG0000	580	952
BARHL1	0	0	0	0	0	0	BarH like homeobox 1 [Source:HGNC Symbol;Acc:HGNC:953]	chr9:13545	NM_02006	.	.	.	NP_06444	.	protein_co	ENSG0000	56751	953
BARHL2	0	0	0	0	0	0	BarH like homeobox 2 [Source:HGNC Symbol;Acc:HGNC:954]	chr1:91177	NM_02006	.	.	.	NP_06444	.	protein_co	ENSG0000	343472	954
BARX1	0	0	0	0	0	0	BARX homeobox 1 [Source:HGNC Symbol;Acc:HGNC:955]	chr9:96713	NM_02157	.	.	.	NP_06754	.	protein_co	ENSG0000	56033	955
BARX2	0.222787	0	0.154736	0.097221	0.102271	0.238238	BARX homeobox 2 [Source:HGNC Symbol;Acc:HGNC:956]	chr11:1292	NM_00365	.	.	.	NP_00364	.	protein_co	ENSG0000	8538	956
BASP1	0	0	0	0	0	0	brain abundant membrane attached signal protein 1 [Source:HGN	chr5:17216	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	10409	957
BATF	0	0	0	0	0	0	basic leucine zipper ATF-like transcription factor [Source:HGNC Sy	chr14:7598	NM_00639	.	.	.	NP_00639	.	protein_co	ENSG0000	10538	958
BATF2	1.59802	1.29153	1.25176	0.626874	0.805648	0.80083	basic leucine zipper ATF-like transcription factor 2 [Source:HGNC	chr11:6475	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	116071	25163
BATF3	4.79256	4.35702	4.30363	6.28506	5.0525	4.42238	basic leucine zipper ATF-like transcription factor 3 [Source:HGNC	chr1:21285	NM_01866	.	.	.	NP_06113	.	protein_co	ENSG0000	55509	28915
BAX	75.1806	82.1249	90.1191	51.5258	40.0617	35.2062	BCL2 associated X, apoptosis regulator [Source:HGNC Symbol;Acc	chr19:4945	NM_00129	XM_01152	.	.	NP_00127	XP_016882	protein_co	ENSG0000	581	959
BAZ1A	12.6514	13.3624	13.7164	14.7244	16.6276	13.6135	bromodomain adjacent to zinc finger domain 1A [Source:HGNC S	chr14:3522	NM_01344	XM_01153	.	.	NP_03847	XP_011534	protein_co	ENSG0000	11177	960
BAZ1B	39.8289	42.2623	34.7455	41.695	44.1983	39.2095	bromodomain adjacent to zinc finger domain 1B [Source:HGNC S	chr7:72854	NM_03240	.	.	.	NP_11578	XP_016868	protein_co	ENSG0000	9031	961
BAZ2A	21.3977	23.7791	22.7111	20.6782	22.1675	21.6458	bromodomain adjacent to zinc finger domain 2A [Source:HGNC S	chr12:5691	NM_00130	XM_01153	.	.	NP_00128	XP_011536	protein_co	ENSG0000	11176	962
BAZ2B	2.87756	2.66361	3.24129	1.27256	1.68652	2.62069	bromodomain adjacent to zinc finger domain 2B [Source:HGNC S	chr2:16017	NM_00128	XM_01151	.	.	NP_00127	XP_005246	protein_co	ENSG0000	29994	963
BBC3	33.2626	33.2396	29.4144	18.6242	17.4886	26.7254	BCL2 binding component 3 [Source:HGNC Symbol;Acc:HGNC:178	chr19:4772	NM_00112	XM_00672	NR_03615	.	NP_00112	XP_006723	protein_co	ENSG0000	100422832	17868
BBIP1	17.982	19.5335	15.3937	20.3824	19.5384	21.2391	BBSome interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:2	chr10:1126	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	92482	28093
BBOF1	1.77217	2.12376	2.22539	1.8899	1.60556	1.92226	basal body orientation factor 1 [Source:HGNC Symbol;Acc:HGNC:	chr14:7448	NM_02505	XM_01153	.	.	NP_07933	XP_005268	protein_co	ENSG0000	80127	19855
BBOX1	0	0	0	0	0	0	gamma-butyrobetaine hydroxylase 1 [Source:HGNC Symbol;Acc:H	chr11:2706	NM_00398	XM_01152	.	.	NP_00397	XP_005253	protein_co	ENSG0000	8424	964
BBS1	5.45075	6.5758	6.39789	5.62084	4.65873	5.23072	Bardet-Biedl syndrome 1 [Source:HGNC Symbol;Acc:HGNC:966]	chr11:6624	NM_02464	.	.	.	NP_07892	.	protein_co	ENSG0000	582	966
BBS10	12.641	12.2316	13.4489	11.4125	17.4978	22.3773	Bardet-Biedl syndrome 10 [Source:HGNC Symbol;Acc:HGNC:2629	chr12:7673	NM_02468	.	.	.	NP_07896	.	protein_co	ENSG0000	79738	26291
BBS12	1.82802	1.2176	1.82331	1.1507	1.28724	2.00739	Bardet-Biedl syndrome 12 [Source:HGNC Symbol;Acc:HGNC:2664	chr4:12365	NM_00117	XM_01700	.	.	NP_00117	XP_011529	protein_co	ENSG0000	166379	26648
BBS2	11.8417	10.9075	15.3803	10.0102	9.59643	11.4973	Bardet-Biedl syndrome 2 [Source:HGNC Symbol;Acc:HGNC:967]	chr16:5651	NM_03188	XM_00525	.	.	NP_11409	XP_005256	protein_co	ENSG0000	583	967
BBS4	5.72648	6.07797	6.18164	5.91126	5.64362	5.72676	Bardet-Biedl syndrome 4 [Source:HGNC Symbol;Acc:HGNC:969]	chr15:7297	NM_00125	XM_01702	.	.	NP_00123	XP_011520	protein_co	ENSG0000	585	969
BBS5	1.83149	2.82945	2.46125	2.1272	2.16766	2.21529	Bardet-Biedl syndrome 5 [Source:HGNC Symbol;Acc:HGNC:970]	chr2:17033	NM_15238	.	.	.	NP_68959	.	protein_co	ENSG0000	129880	970
BBS7	6.79101	8.09426	8.16248	7.22229	7.75377	8.45278	Bardet-Biedl syndrome 7 [Source:HGNC Symbol;Acc:HGNC:18758	chr4:12274	NM_01819	XM_01153	.	.	NP_06066	XP_005263	protein_co	ENSG0000	55212	18758
BBS9	1.51373	1.6409	2.35927	2.14303	2.21461	2.12534	Bardet-Biedl syndrome 9 [Source:HGNC Symbol;Acc:HGNC:30000	chr7:33169	NM_00103	XM_01701	.	.	NP_00102	XP_005249	protein_co	ENSG0000	27241	30000
BBX	14.5424	16.3281	15.8716	12.4541	15.9139	17.8167	BBX, HMG-box containing [Source:HGNC Symbol;Acc:HGNC:1442	chr3:10724	NM_00114	XM_01151	.	.	NP_00113	XP_005247	protein_co	ENSG0000	56987	14422
BCAM	13.6411	14.3985	18.8792	12.5154	9.6773	12.5933	basal cell adhesion molecule (Lutheran blood group) [Source:HGN	chr19:4531	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	4059	6722
BCAN	0	0	0	0.096122	0.024467	0.032845	brevican [Source:HGNC Symbol;Acc:HGNC:23059]	chr1:15661	NM_02194	XM_01700	.	.	NP_06876	XP_011508	protein_co	ENSG0000	63827	23059
BCAP29	9.88804	8.47122	13.0939	8.64419	14.0293	17.0286	B-cell receptor associated protein 29 [Source:HGNC Symbol;Acc:H	chr7:10722	NM_00100	XM_01151	.	.	NP_00100	XP_006716	protein_co	ENSG0000	55973	24131
BCAP31	127.244	124.993	106.707	143.274	116.613	102.311	B-cell receptor-associated protein 31 [Source:HGNC Symbol;Acc:H	chrX:15296	NM_00113	.	.	.	NP_00113	.	protein_co	ENSG0000	10134	16695
BCAR1	19.3641	21.9112	20.2001	20.4299	18.1269	15.1878	BCAR1, Cas family scaffolding protein [Source:HGNC Symbol;Acc:	chr16:7526	NM_00117	XM_01152	.	.	NP_00116	XP_005256	protein_co	ENSG0000	9564	971

BCAR3	8.83933	9.93452	8.99339	10.0233	9.64394	7.13994	breast cancer anti-estrogen resistance 3 [Source:HGNC Symbol;A	chr1:94027	NM_00126	XM_01154	.	.	NP_00124	XP_01154	protein_co	ENSG0000	8412	973
BCAS1	0	0.03492	0.085339	0	0.043975	0.017769	breast carcinoma amplified sequence 1 [Source:HGNC Symbol;Ac	chr20:5256	NM_00131	XM_01152	.	.	NP_00130	XP_00526	protein_co	ENSG0000	8537	974
BCAS2	37.5845	35.0487	31.3505	35.0465	41.5465	41.2314	breast carcinoma amplified sequence 2 [Source:HGNC Symbol;Ac	chr1:11511	NM_00587	.	.	.	NP_00586	.	protein_co	ENSG0000	10286	975
BCAS3	5.34948	5.76346	5.91308	4.74968	4.44494	5.58034	BCAS3, microtubule associated cell migration factor [Source:HGN	chr17:5875	NM_00109	XM_01152	.	.	NP_00109	XP_005257	protein_co	ENSG0000	54828	14347
BCAS4	15.1509	15.0424	16.1687	15.7057	12.6009	13.0462	breast carcinoma amplified sequence 4 [Source:HGNC Symbol;Ac	chr20:4941	NM_00101	XM_01152	.	.	NP_00101	XP_011527	protein_co	ENSG0000	55653	14367
BCAT1	0.008869	0	0	0.051382	0	0.046317	branched chain amino acid transaminase 1 [Source:HGNC Symbo	chr12:2496	NM_00117	XM_01152	.	.	NP_00117	XP_011519	protein_co	ENSG0000	586	976
BCAT2	44.9748	44.1003	35.2759	50.8193	39.2726	31.8193	branched chain amino acid transaminase 2 [Source:HGNC Symbo	chr19:4929	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	587	977
BCCIP	114.174	101.968	105.683	120.087	130.777	99.1797	BRCA2 and CDKN1A interacting protein [Source:HGNC Symbol;Ac	chr10:1275	NM_01656	.	.	.	NP_05765	.	protein_co	ENSG0000	56647	978
BCDIN3D	4.97047	5.77455	5.21261	5.03294	4.42635	6.19034	BCDIN3 domain containing RNA methyltransferase [Source:HGNC	chr12:5022	NM_18170	.	.	.	NP_85905	.	protein_co	ENSG0000	144233	27050
BCHE	0	0	0	0	0	0.029062	butyrylcholinesterase [Source:HGNC Symbol;Acc:HGNC:983]	chr3:16549	NM_00005	XM_01700	.	.	NP_00004	XP_016862	protein_co	ENSG0000	590	983
BCKDHA	10.3621	10.9429	10.833	4.72077	2.8189	4.5432	branched chain keto acid dehydrogenase E1, alpha polypeptide [S	chr19:4183	NM_00070	.	.	.	NP_00070	.	protein_co	ENSG0000	593	986
BCKDHB	5.61327	6.11335	8.63334	4.83782	6.64856	7.04417	branched chain keto acid dehydrogenase E1 subunit beta [Source	chr6:80816	NM_00005	XM_01153	.	.	NP_00004	XP_011534	protein_co	ENSG0000	594	987
BCKDK	28.54	32.217	34.7186	26.5572	22.9743	22.3921	branched chain ketoacid dehydrogenase kinase [Source:HGNC Sy	chr16:3111	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	10295	16902
BCL10	15.4374	17.0408	13.0684	11.6931	13.1274	15.9439	B-cell CLL/lymphoma 10 [Source:HGNC Symbol;Acc:HGNC:989]	chr1:85731	NM_00392	XM_00527	.	.	NP_00130	XP_01154	protein_co	ENSG0000	8915	989
BCL11A	0.243402	0.124516	0.324408	0.270537	0.356912	0.577029	B-cell CLL/lymphoma 11A [Source:HGNC Symbol;Acc:HGNC:1322	chr2:60678	NM_01801	XM_01700	.	.	NP_06048	XP_011531	protein_co	ENSG0000	53335	13221
BCL11B	0.386317	0.429351	0.284328	0.376568	0.359779	0.480402	B-cell CLL/lymphoma 11B [Source:HGNC Symbol;Acc:HGNC:1322	chr14:9963	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	64919	13222
BCL2	1.2978	1.17137	0.989785	0.773967	1.17746	0.995719	BCL2, apoptosis regulator [Source:HGNC Symbol;Acc:HGNC:990]	chr18:6079	NM_00063	.	.	.	NP_00062	XP_016881	protein_co	ENSG0000	596	990
BCL2A1	0	0	0	0.099422	0	0.088762	BCL2 related protein A1 [Source:HGNC Symbol;Acc:HGNC:991]	chr15:8025	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	597	991
BCL2L1	87.599	91.5326	116.789	69.1716	65.603	96.5784	BCL2 like 1 [Source:HGNC Symbol;Acc:HGNC:992]	chr20:3025	NM_00119	XM_01702	.	.	NP_00118	XP_00526	protein_co	ENSG0000	598	992
BCL2L10	0	0.081923	0	0	0.091397	0	BCL2 like 10 [Source:HGNC Symbol;Acc:HGNC:993]	chr15:5240	NM_00130	XM_00525	.	.	NP_00129	XP_005254	protein_co	ENSG0000	10017	993
BCL2L11	9.12033	9.35638	9.21801	8.03369	7.47689	7.03846	BCL2 like 11 [Source:HGNC Symbol;Acc:HGNC:994]	chr2:11187	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	10018	994
BCL2L12	75.0997	71.3419	57.6605	105.989	74.3362	64.6086	BCL2 like 12 [Source:HGNC Symbol;Acc:HGNC:13787]	chr19:5016	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	83596	13787
BCL2L13	20.3172	21.0968	20.5143	21.8539	19.0628	23.1007	BCL2 like 13 [Source:HGNC Symbol;Acc:HGNC:17164]	chr22:1811	NM_00127	XM_01702	.	.	NP_00125	XP_011544	protein_co	ENSG0000	23786	17164
BCL2L14	0.035645	0	0.09375	0	0.040195	0	BCL2 like 14 [Source:HGNC Symbol;Acc:HGNC:16657]	chr12:1220	NM_03076	XM_01152	.	.	NP_11039	XP_006719	protein_co	ENSG0000	79370	16657
BCL2L15	0.288517	0.760879	0.500309	0.162245	1.1615	0.946527	BCL2 like 15 [Source:HGNC Symbol;Acc:HGNC:33624]	chr1:11442	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	440603	33624
BCL2L2	20.2495	19.4047	16.8694	16.1742	16.9139	15.3536	BCL2 like 2 [Source:HGNC Symbol;Acc:HGNC:995]	chr14:2377	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	599	995
BCL2L2-PABPN1	3.03872	4.23158	0.255307	2.15617	2.98679	0.001245	BCL2L2-PABPN1 readthrough [Source:HGNC Symbol;Acc:HGNC:4	chr14:2377	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100529063	42959
BCL3	10.0842	8.90509	9.72462	7.13544	4.26591	6.34971	B-cell CLL/lymphoma 3 [Source:HGNC Symbol;Acc:HGNC:998]	chr19:4525	NM_00517	XM_01152	NR_10705	.	NP_00516	XP_011525	protein_co	ENSG0000	102465879	998
BCL6	4.67622	5.23991	7.11066	4.12549	3.6496	3.5496	B-cell CLL/lymphoma 6 [Source:HGNC Symbol;Acc:HGNC:1001]	chr3:18743	NM_00113	XM_01151	.	.	NP_00112	XP_005247	protein_co	ENSG0000	604	1001
BCL6B	0.293298	0.274852	0.210334	0.322387	0.44402	0.281041	B-cell CLL/lymphoma 6B [Source:HGNC Symbol;Acc:HGNC:1002]	chr17:6926	NM_18184	.	.	.	NP_86282	.	protein_co	ENSG0000	255877	1002
BCL7A	7.66912	8.48417	6.852	9.26162	8.77104	6.71961	BCL tumor suppressor 7A [Source:HGNC Symbol;Acc:HGNC:1004]	chr12:1224	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	605	1004
BCL7B	25.3763	22.4891	22.0847	24.9266	21.492	19.0888	BCL tumor suppressor 7B [Source:HGNC Symbol;Acc:HGNC:1005]	chr7:72950	NM_00119	.	NR_03668	.	NP_00118	.	protein_co	ENSG0000	9275	1005
BCL7C	33.704	33.2296	30.9077	37.3267	26.1226	28.3624	BCL tumor suppressor 7C [Source:HGNC Symbol;Acc:HGNC:1006]	chr16:3084	NM_00128	XM_01154	.	.	NP_00127	XP_011544	protein_co	ENSG0000	9274	1006
BCL9	7.70265	7.89326	7.59576	8.04545	8.20303	7.73462	B-cell CLL/lymphoma 9 [Source:HGNC Symbol;Acc:HGNC:1008]	chr1:14701	NM_00432	XM_00671	.	.	NP_00431	XP_005273	protein_co	ENSG0000	607	1008
BCL9L	23.1944	24.8102	22.1661	17.8902	20.059	17.0159	B-cell CLL/lymphoma 9-like [Source:HGNC Symbol;Acc:HGNC:236	chr11:1187	NM_18255	XM_01154	.	.	NP_87236	XP_005271	protein_co	ENSG0000	283149	23688
BCLAF1	67.3086	68.1164	48.9288	62.7679	66.7681	52.785	BCL2 associated transcription factor 1 [Source:HGNC Symbol;Acc:	chr6:13657	NM_00107	XM_00526	.	.	NP_00107	XP_005267	protein_co	ENSG0000	9774	16863
BCO1	0	0.050856	0.02149	0.079535	0.084145	0.07753	beta-carotene oxygenase 1 [Source:HGNC Symbol;Acc:HGNC:138	chr16:8127	NM_01742	.	.	.	NP_05912	.	protein_co	ENSG0000	53630	13815
BCO2	1.00127	0.543276	1.46508	0.605453	0.700459	0.915351	beta-carotene oxygenase 2 [Source:HGNC Symbol;Acc:HGNC:185	chr11:1120	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	83875	18503
BCOR	10.6331	10.4097	10.9626	7.74427	8.26732	8.19379	BCL6 corepressor [Source:HGNC Symbol;Acc:HGNC:20893]	chrX:39909	NM_00112	XM_01154	.	.	NP_00111	XP_005272	protein_co	ENSG0000	54880	20893
BCORL1	5.98772	6.73519	6.91172	5.09793	4.51177	4.66278	BCL6 corepressor-like 1 [Source:HGNC Symbol;Acc:HGNC:25657]	chrX:12911	NM_02194	XM_01153	.	.	NP_06876	XP_005262	protein_co	ENSG0000	63035	25657
BCR	15.6682	14.7918	13.7502	17.4082	14.8669	12.9691	BCR, RhoGEF and GTPase activating protein [Source:HGNC Symbo	chr22:2352	NM_00432	.	.	.	NP_00431	.	protein_co	ENSG0000	613	1014
BCS1L	28.7102	27.6096	27.2671	33.6083	28.2975	18.1248	BCS1 homolog, ubiquinol-cytochrome c reductase complex chape	chr2:21952	NM_00107	XM_01151	.	.	NP_00107	XP_005246	protein_co	ENSG0000	617	1020
BDH1	16.048	16.0519	12.6774	20.9503	17.5041	12.0245	3-hydroxybutyrate dehydrogenase, type 1 [Source:HGNC Symbol;	chr3:19723	NM_00405	XM_01151	.	.	NP_00404	XP_005269	protein_co	ENSG0000	622	1027
BDH2	9.2688	9.08567	14.0723	12.1856	11.1159	14.8909	3-hydroxybutyrate dehydrogenase, type 2 [Source:HGNC Symbol;	chr4:10400	NM_02013	XM_01153	.	.	NP_06452	XP_005263	protein_co	ENSG0000	56898	32389
BDKRB1	2.34E-70	0	1.11E-10	0.319723	0.397344	0.520891	bradykinin receptor B1 [Source:HGNC Symbol;Acc:HGNC:1029]	chr14:9667	NM_00071	.	.	.	NP_00070	.	protein_co	ENSG0000	623	1029
BDKRB2	0.230246	0.219193	0.252673	0.452627	0.22855	0.60092	bradykinin receptor B2 [Source:HGNC Symbol;Acc:HGNC:1030]	chr14:9667	NM_00062	.	.	.	NP_00061	.	protein_co	ENSG0000	624	1030
BDNF	4.7643	4.86981	6.41599	4.47842	4.8318	4.36982	brain derived neurotrophic factor [Source:HGNC Symbol;Acc:HGN	chr11:2767	NM_00114	XM_01152	.	.	NP_00113	XP_011518	protein_co	ENSG0000	627	1033
BDP1	5.49867	5.80129	5.82326	4.20792	5.83233	5.21568	B double prime 1, subunit of RNA polymerase III transcription init	chr5:70751	NM_01842	XM_01154	.	.	NP_06089	XP_011541	protein_co	ENSG0000	55814	13652
BEAN1	0.508113	0.594451	0.574772	0.088807	0.127253	0.20166	brain expressed, associated with NEDD4, 1 [Source:HGNC Symbol	chr16:6646	NM_00113	XM_01152	.	.	NP_00112	XP_011521	protein_co	ENSG0000	146227	24160
BECN1	37.5228	39.1743	38.3678	41.5292	39.2679	32.3591	beclin 1 [Source:HGNC Symbol;Acc:HGNC:1034]	chr17:4095	NM_00131	XM_00525	.	.	NP_00130	XP_005257	protein_co	ENSG0000	8678	1034
BECN2	0	0	0	0	0	0	beclin 2 [Source:HGNC Symbol;Acc:HGNC:38606]	chr1:24212	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	441925	38606
BEGAIN	1.97279	2.1795	2.40753	1.6831	1.17592	2.04896	brain enriched guanylate kinase associated [Source:HGNC Symbo	chr14:1010	NM_00115	XM_01153	.	.	NP_00115	XP_005267	protein_co	ENSG0000	57596	24163
BEND2	0.017125	0	0	0	0	0	BEN domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28509	chrX:18181	NM_00118	XM_01154	.	.	NP_00117	XP_011543	protein_co	ENSG0000	139105	28509
BEND3	2.79727	3.00336	3.05197	2.90739	3.38329	2.45818	BEN domain containing 3 [Source:HGNC Symbol;Acc:HGNC:23040	chr6:10738	NM_00108	XM_01701	.	.	NP_00107	XP_005267	protein_co	ENSG0000	57673	23040
BEND4	0	0	0	0	0	0	BEN domain containing 4 [Source:HGNC Symbol;Acc:HGNC:23815	chr4:42112	NM_00115	XM_01700	.	.	NP_00115	XP_016863	protein_co	ENSG0000	389206	23815
BEND5	0	0	0	0	0	0	BEN domain containing 5 [Source:HGNC Symbol;Acc:HGNC:25668	chr1:48998	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	79656	25668
BEND6	1.16015	1.67035	1.7707	1.54263	1.33995	2.04999	BEN domain containing 6 [Source:HGNC Symbol;Acc:HGNC:20871	chr6:56819	NM_00131	XM_01151	.	.	NP_00130	XP_005248	protein_co	ENSG0000	221336	20871
BEND7	3.4049	2.79047	3.34533	3.0196	2.74537	2.91979	BEN domain containing 7 [Source:HGNC Symbol;Acc:HGNC:23514	chr10:1348	NM_00110	XM_01151	.	.	NP_00109	XP_005252	protein_co	ENSG0000	222389	23514
BEST1	1.67939	1.25502	0.676944	1.40306	0.788202	1.711	bestrophin 1 [Source:HGNC Symbol;Acc:HGNC:12703]	chr11:6171	NM_00113	XM_01154	.	.	NP_00113	XP_005274	protein_co	ENSG0000	7439	12703

BEST2	0.172736	0	0.048939	0	0.066655	0	bestrophin 2 [Source:HGNC Symbol;Acc:HGNC:17107]	chr19:1286	NM_01768	XM_00525	.	.	NP_06015	XP_005260	protein_co	ENSG0000	54831	17107
BEST3	0.200206	0.055618	0.077105	0.167713	0.127131	0.154001	bestrophin 3 [Source:HGNC Symbol;Acc:HGNC:17105]	chr12:7003	NM_00128	XM_01153	.	.	NP_00126	XP_011536	protein_co	ENSG0000	144453	17105
BEST4	0.313058	0.310173	0.383832	0.241501	0.206405	0.048734	bestrophin 4 [Source:HGNC Symbol;Acc:HGNC:17106]	chr1:45249	NM_15327	XM_01154	.	.	NP_695000	XP_005270	protein_co	ENSG0000	266675	17106
BET1	15.6845	14.7287	13.075	11.6701	10.9976	14.1799	Bet1 golgi vesicular membrane trafficking protein [Source:HGNC	chr7:93622	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	10282	14562
BET1L	31.8372	34.9561	32.7251	32.7457	29.2874	21.5683	Bet1 golgi vesicular membrane trafficking protein like [Source:HG	chr11:1677	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	51272	19348
BEX1	0	0	0	0	0	0	brain expressed X-linked 1 [Source:HGNC Symbol;Acc:HGNC:1036	chrX:10231	NM_01847	.	.	.	NP_06094	.	protein_co	ENSG0000	55859	1036
BEX2	35.7692	37.284	35.3257	23.8011	20.9286	35.5559	brain expressed X-linked 2 [Source:HGNC Symbol;Acc:HGNC:3093	chrX:10256	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	84707	30933
BEX3	102.538	94.7658	104.404	127.641	122.016	113.181	brain expressed X-linked 3 [Source:HGNC Symbol;Acc:HGNC:1338	chrX:10263	NM_01438	.	.	.	NP_05519	.	protein_co	ENSG0000	27018	13388
BEX4	0.59723	0.407689	0.847785	0	0	0.133869	brain expressed X-linked 4 [Source:HGNC Symbol;Acc:HGNC:2547	chrX:10247	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	56271	25475
BEX5	0.439251	0.09128	0.456094	0	0	0	brain expressed X-linked 5 [Source:HGNC Symbol;Acc:HGNC:2799	chrX:10140	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	340542	27990
BFAR	28.5963	29.7785	27.8289	31.0611	27.3153	26.0504	bifunctional apoptosis regulator [Source:HGNC Symbol;Acc:HGNC	chr16:1472	NM_01656	XM_01152	.	.	NP_05764	XP_005255	protein_co	ENSG0000	51283	17613
BFSP1	3.98729	3.44658	4.58366	4.34336	4.72679	6.27035	beaded filament structural protein 1 [Source:HGNC Symbol;Acc:H	chr20:1747	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	631	1040
BFSP2	0.09457	0	0.081796	0.10153	0	0.051099	beaded filament structural protein 2 [Source:HGNC Symbol;Acc:H	chr3:13311	NM_00357	.	.	.	NP_00356	XP_016862	protein_co	ENSG0000	8419	1041
BGLAP	3.13E-92	4.89E-22	0.42085	0.325034	3.1E-188	0.741036	bone gamma-carboxyglutamate protein [Source:HGNC Symbol;Ac	chr1:15618	NM_19917	.	.	.	NP_95464	.	protein_co	ENSG0000	632	1043
BGN	0	0	0	0	0	0.037708	biglycan [Source:HGNC Symbol;Acc:HGNC:1044]	chrX:15271	NM_00171	XM_01702	.	.	NP_00170	XP_016885	protein_co	ENSG0000	633	1044
BHLHA15	3.77068	4.27899	4.57755	3.55841	2.85081	4.38582	basic helix-loop-helix family member a15 [Source:HGNC Symbol;A	chr7:97840	NM_17745	.	.	.	NP_80323	.	protein_co	ENSG0000	168620	22265
BHLHA9	0	0	0	0	0	0	basic helix-loop-helix family member a9 [Source:HGNC Symbol;Ac	chr17:1173	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	727857	35126
BHLHB9	0.901098	0.829429	1.0762	0.680698	0.621622	1.0358	basic helix-loop-helix domain containing, class B, 9 [Source:HGNC	chrX:10197	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	80823	29353
BHLHE22	0	0	0	0	0	0	basic helix-loop-helix family member e22 [Source:HGNC Symbol;A	chr8:65492	NM_15241	.	.	.	NP_68962	.	protein_co	ENSG0000	27319	11963
BHLHE23	0	0	0	0	0	0	basic helix-loop-helix family member e23 [Source:HGNC Symbol;A	chr20:6163	NM_08060	.	.	.	NP_54217	.	protein_co	ENSG0000	128408	16093
BHLHE40	17.9779	20.1989	21.5369	10.8661	13.5226	15.8392	basic helix-loop-helix family member e40 [Source:HGNC Symbol;A	chr3:50208	NM_00367	.	.	.	NP_00366	.	protein_co	ENSG0000	8553	1046
BHLHE41	0.74371	0.875474	1.02904	0.778928	0.837198	1.5777	basic helix-loop-helix family member e41 [Source:HGNC Symbol;A	chr12:2627	NM_03076	.	.	.	NP_11038	.	protein_co	ENSG0000	79365	16617
BHMG1	1.15599	1.33772	1.15263	0.129646	0.167074	0.291988	basic helix-loop-helix and HMG-box containing 1 [Source:HGNC S	chr19:4623	NM_00131	XM_01152	.	.	NP_00129	XP_011525	protein_co	ENSG0000	388553	44318
BHMT	0	0	0.047347	0	0	0	betaine--homocysteine S-methyltransferase [Source:HGNC Symb	chr5:78407	NM_00171	.	.	.	NP_00170	.	protein_co	ENSG0000	635	1047
BHMT2	0	0	0	0	0	0	betaine--homocysteine S-methyltransferase 2 [Source:HGNC Sym	chr5:78365	NM_00117	.	.	.	NP_00117	.	protein_co	ENSG0000	23743	1048
BICC1	0.027787	0.014768	0.012078	0.031476	0	0	BicC family RNA binding protein 1 [Source:HGNC Symbol;Acc:HGN	chr10:6027	NM_00108	XM_01701	.	.	NP_00107	XP_005270	protein_co	ENSG0000	80114	19351
BICD1	8.15954	8.65125	6.45192	8.80719	7.85841	7.87842	BICD cargo adaptor 1 [Source:HGNC Symbol;Acc:HGNC:1049]	chr12:3225	NM_00100	XM_01152	.	.	NP_00100	XP_005253	protein_co	ENSG0000	636	1049
BICD2	9.62429	11.4471	13.034	11.1511	11.8438	10.2986	BICD cargo adaptor 2 [Source:HGNC Symbol;Acc:HGNC:17208]	chr9:95473	NM_00100	XM_01701	.	.	NP_00100	XP_016870	protein_co	ENSG0000	23299	17208
BICDL1	5.67988	5.82912	6.31438	4.63129	5.51428	4.70394	BICD family like cargo adaptor 1 [Source:HGNC Symbol;Acc:HGNC	chr12:1204	NM_20731	XM_00671	.	.	NP_99719	XP_005254	protein_co	ENSG0000	92558	28095
BICDL2	8.3046	7.48099	9.42193	6.03255	5.30028	7.6885	BICD family like cargo adaptor 2 [Source:HGNC Symbol;Acc:HGNC	chr16:3072	NM_00110	XM_01152	.	.	NP_00109	XP_005255	protein_co	ENSG0000	146439	33584
BID	34.4399	30.8693	35.3044	52.1316	39.2848	25.3891	BH3 interacting domain death agonist [Source:HGNC Symbol;Acc	chr22:1821	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	637	1050
BIK	46.7688	48.4815	55.5393	22.4655	20.1503	14.3312	BCL2 interacting killer [Source:HGNC Symbol;Acc:HGNC:1051]	chr22:4350	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	638	1051
BIN1	13.9307	15.5473	12.2722	16.6162	14.9368	12.0944	bridging integrator 1 [Source:HGNC Symbol;Acc:HGNC:1052]	chr2:12780	NM_00430	XM_01151	.	.	NP_00130	XP_005263	protein_co	ENSG0000	274	1052
BIN2	0.028669	0.029546	0.050344	0.054539	0.028059	0.109154	bridging integrator 2 [Source:HGNC Symbol;Acc:HGNC:1053]	chr12:5167	NM_00129	XM_00526	.	.	NP_00127	XP_005269	protein_co	ENSG0000	51411	1053
BIN3	15.4876	16.2449	14.9304	17.2041	13.1004	12.0596	bridging integrator 3 [Source:HGNC Symbol;Acc:HGNC:1054]	chr8:22462	NM_01868	XM_01154	.	.	NP_06115	XP_005273	protein_co	ENSG0000	55909	1054
BIRC2	29.7708	25.7097	29.7514	18.1977	24.4143	26.0033	baculoviral IAP repeat containing 2 [Source:HGNC Symbol;Acc:HG	chr11:1022	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	329	590
BIRC3	25.7363	24.3907	29.7522	2.62945	2.98457	3.06489	baculoviral IAP repeat containing 3 [Source:HGNC Symbol;Acc:HG	chr11:1021	NM_00116	XM_01701	.	.	NP_00115	XP_016873	protein_co	ENSG0000	330	591
BIRC5	111.972	111.131	98.3497	163.681	151.872	117.196	baculoviral IAP repeat containing 5 [Source:HGNC Symbol;Acc:HG	chr17:7621	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	332	593
BIRC6	8.73474	8.95261	9.82827	7.03061	8.86976	8.98894	baculoviral IAP repeat containing 6 [Source:HGNC Symbol;Acc:HG	chr2:32582	NM_01625	XM_01153	.	.	NP_05733	XP_005264	protein_co	ENSG0000	57448	13516
BIRC7	0.1484	0.216366	0.83062	0.215394	0	0.159266	baculoviral IAP repeat containing 7 [Source:HGNC Symbol;Acc:HG	chr20:6186	NM_02216	.	.	.	NP_07144	.	protein_co	ENSG0000	79444	13702
BIRC8	0	0	0	0	0	0	baculoviral IAP repeat containing 8 [Source:HGNC Symbol;Acc:HG	chr19:5379	NM_03334	.	.	.	NP_20312	.	protein_co	ENSG0000	112401	14878
BIVM	6.80782	6.4496	6.11268	4.84824	6.13437	5.5819	basic, immunoglobulin-like variable motif containing [Source:HGN	chr13:1034	NM_00115	.	.	.	NP_00115	.	protein_co	ENSG0000	54841	16034
BIVM-ERCC5	1.97934	2.08537	3.34398	1.42884	1.06221	1.64785	BIVM-ERCC5 readthrough [Source:HGNC Symbol;Acc:HGNC:4369	chr13:1034	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	.	43690
BLACE	0	0	0	0	0	0	B-cell acute lymphoblastic leukemia expressed [Source:HGNC Syn	chr7:15514	.		.	.	.		protein_co	ENSG0000	.	20484
BLCAP	36.6706	42.0089	37.6226	31.3466	32.5888	22.7234	bladder cancer associated protein [Source:HGNC Symbol;Acc:HGN	chr20:3614	NM_00116	.	.	.	NP_00116	XP_016883	protein_co	ENSG0000	10904	1055
BLID	0.32016	0.337688	0.185517	0	0	0	BH3-like motif containing, cell death inducer [Source:HGNC Symb	chr11:1219	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	414899	33495
BLK	0	0	0	0	0	0	BLK proto-oncogene, Src family tyrosine kinase [Source:HGNC Syn	chr8:11351	NM_00171	XM_01154	.	.	NP_00170	XP_011542	protein_co	ENSG0000	640	1057
BLM	8.65843	8.24141	7.50838	8.96056	11.4255	9.79496	Bloom syndrome RecQ like helicase [Source:HGNC Symbol;Acc:HG	chr15:9126	NM_00005	.	.	.	NP_00004	.	protein_co	ENSG0000	641	1058
BLMH	32.0786	32.2879	32.002	44.9981	39.3221	34.6947	bleomycin hydrolase [Source:HGNC Symbol;Acc:HGNC:1059]	chr17:2857	NM_00038	.	.	.	NP_00037	.	protein_co	ENSG0000	642	1059
BLNK	0.05509	0.095075	0.09629	0	0.04611	0.056847	B-cell linker [Source:HGNC Symbol;Acc:HGNC:14211]	chr10:9795	NM_00111	XM_01153	.	.	NP_00110	XP_011538	protein_co	ENSG0000	29760	14211
BLOC1S1	59.7926	55.5084	42.6072	59.0353	35.9542	41.3435	biogenesis of lysosomal organelles complex 1 subunit 1 [Source:H	chr12:5610	NM_00148	.	.	.	NP_00147	.	protein_co	ENSG0000	2647	4200
BLOC1S2	73.0948	63.6495	71.8253	68.6992	73.1724	72.9168	biogenesis of lysosomal organelles complex 1 subunit 2 [Source:H	chr10:1020	NM_00100	.	.	.	NP_00100	XP_016871	protein_co	ENSG0000	282991	20984
BLOC1S3	8.85463	10.574	7.40214	8.83813	7.60712	7.33618	biogenesis of lysosomal organelles complex 1 subunit 3 [Source:H	chr19:4568	NM_21255	XM_01152	.	.	NP_99771	XP_011525	protein_co	ENSG0000	388552	20914
BLOC1S4	13.4942	14.5503	16.7328	16.5019	14.1545	12.7742	biogenesis of lysosomal organelles complex 1 subunit 4 [Source:H	chr4:67177	NM_01836	.	.	.	NP_06083	.	protein_co	ENSG0000	55330	24206
BLOC1S5	5.75631	6.31558	8.16875	6.18387	8.15428	9.70988	biogenesis of lysosomal organelles complex 1 subunit 5 [Source:H	chr6:80137	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	63915	18561
BLOC1S6	22.845	22.6603	25.1345	21.216	24.3774	25.5784	biogenesis of lysosomal organelles complex 1 subunit 6 [Source:H	chr15:4587	NM_00131	.	.	.	NP_00129	.	protein_co	ENSG0000	26258	8549
BLVRA	30.6707	27.0038	35.274	32.2439	25.2756	30.0667	biliverdin reductase A [Source:HGNC Symbol;Acc:HGNC:1062]	chr7:43798	NM_00071	XM_01151	.	.	NP_00070	XP_011513	protein_co	ENSG0000	644	1062
BLVRB	92.1043	90.1391	60.5951	92.0791	66.9632	78.8795	biliverdin reductase B [Source:HGNC Symbol;Acc:HGNC:1063]	chr19:4095	NM_00071	.	.	.	NP_00070	.	protein_co	ENSG0000	645	1063
BLZF1	13.0533	11.2444	11.9701	13.3588	14.0316	12.6819	basic leucine zipper nuclear factor 1 [Source:HGNC Symbol;Acc:H	chr1:16933	NM_00132	XM_01151	.	.	NP_00130	XP_011508	protein_co	ENSG0000	8548	1065

BMF	0.618213	0.972961	1.02125	0.321726	0.245558	0.520324	Bcl2 modifying factor [Source:HGNC Symbol;Acc:HGNC:24132]	chr15:4038	NM_00100	XM_00672	.	.	NP_00100	XP_005254	protein_co	ENSG0000	90427	24132
BMI1	18.693	15.0878	15.932	17.1624	25.2259	26.8219	BMI1 proto-oncogene, polycomb ring finger [Source:HGNC Symb	chr10:2260	NM_00518	.	.	.	NP_00517	.	protein_co	ENSG0000	648	1066
BMP1	11.8042	11.4926	14.5718	11.5582	11.0798	10.1383	bone morphogenetic protein 1 [Source:HGNC Symbol;Acc:HGNC:	chr8:22022	NM_00119	XM_00671	.	.	NP_00119	XP_006716	protein_co	ENSG0000	649	1067
BMP10	0	0	0	0	0	0	bone morphogenetic protein 10 [Source:HGNC Symbol;Acc:HGNC	chr2:69092	NM_01448	.	.	.	NP_05529	.	protein_co	ENSG0000	27302	20869
BMP15	0	0	0	0	0	0	bone morphogenetic protein 15 [Source:HGNC Symbol;Acc:HGNC	chrX:50653	NM_00544	.	.	.	NP_00543	.	protein_co	ENSG0000	9210	1068
BMP2	0	0.026273	0.044137	0.286002	0.173088	0.235651	bone morphogenetic protein 2 [Source:HGNC Symbol;Acc:HGNC:	chr20:6748	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	650	1069
BMP2K	4.7648	5.29328	6.89338	4.17182	5.52038	5.80928	BMP2 inducible kinase [Source:HGNC Symbol;Acc:HGNC:18041]	chr4:79697	NM_01759	XM_01700	.	.	NP_06006	XP_005263	protein_co	ENSG0000	55589	18041
BMP3	0	0	0	0	0	0	bone morphogenetic protein 3 [Source:HGNC Symbol;Acc:HGNC:	chr4:81952	NM_00120	XM_00671	.	.	NP_00119	XP_006714	protein_co	ENSG0000	651	1070
BMP4	54.1658	51.8092	63.8892	168.315	156.63	161.552	bone morphogenetic protein 4 [Source:HGNC Symbol;Acc:HGNC:	chr14:5441	NM_00120	XM_01702	.	.	NP_00119	XP_005268	protein_co	ENSG0000	652	1071
BMP5	0	0	0.018534	0.024496	0	0	bone morphogenetic protein 5 [Source:HGNC Symbol;Acc:HGNC:	chr6:55618	NM_02107	XM_01151	.	.	NP_06655	XP_011513	protein_co	ENSG0000	653	1072
BMP6	1.33106	1.16794	1.27996	2.59547	2.25968	2.91211	bone morphogenetic protein 6 [Source:HGNC Symbol;Acc:HGNC:	chr6:77270	NM_00171	.	.	.	NP_00170	.	protein_co	ENSG0000	654	1073
BMP7	4.88365	4.67445	6.00769	5.34222	4.39938	4.4719	bone morphogenetic protein 7 [Source:HGNC Symbol;Acc:HGNC:	chr20:5574	NM_00171	.	.	.	NP_00171	.	protein_co	ENSG0000	655	1074
BMP8A	0.854834	1.38835	1.22852	1.04262	0.696176	1.49499	bone morphogenetic protein 8a [Source:HGNC Symbol;Acc:HGNC	chr1:39957	NM_18180	.	.	.	NP_86152	.	protein_co	ENSG0000	353500	21650
BMP8B	5.71424	5.65788	5.49392	6.31901	5.55819	6.40376	bone morphogenetic protein 8b [Source:HGNC Symbol;Acc:HGNC	chr1:40204	NM_00172	.	.	.	NP_00171	.	protein_co	ENSG0000	656	1075
BMPER	0	0	0.02803	0.018269	0.036453	0.016246	BMP binding endothelial regulator [Source:HGNC Symbol;Acc:HG	chr7:33944	NM_13346	XM_00524	.	.	NP_59772	XP_005249	protein_co	ENSG0000	168667	24154
BMPR1A	3.99593	3.91437	3.90181	4.22565	4.86139	5.77809	bone morphogenetic protein receptor type 1A [Source:HGNC Syn	chr10:8851	NM_00432	XM_01154	.	.	NP_00432	XP_011538	protein_co	ENSG0000	657	1076
BMPR1B	0	0.040392	0	0	0	0	bone morphogenetic protein receptor type 1B [Source:HGNC Syn	chr4:95679	NM_00120	XM_01700	.	.	NP_00119	XP_011530	protein_co	ENSG0000	658	1077
BMPR2	2.84752	3.19613	3.59601	2.73311	3.21909	3.92718	bone morphogenetic protein receptor type 2 [Source:HGNC Symb	chr2:20324	NM_00120	XM_01151	.	.	NP_00119	XP_011509	protein_co	ENSG0000	659	1078
BMS1	29.4218	30.0318	27.0359	32.3197	31.2854	24.4502	BMS1, ribosome biogenesis factor [Source:HGNC Symbol;Acc:HGI	chr10:4327	NM_01475	XM_01154	.	.	NP_05556	XP_005271	protein_co	ENSG0000	9790	23505
BMT2	1.74452	1.83929	3.22356	1.89439	2.37592	3.08663	base methyltransferase of 25S rRNA 2 homolog [Source:HGNC Sy	chr7:11245	NM_15255	.	.	.	NP_68976	.	protein_co	ENSG0000	154743	26475
BMX	0	0	0.023066	0	0	0	BMX non-receptor tyrosine kinase [Source:HGNC Symbol;Acc:HGI	chrX:15402	NM_00132	XM_00672	.	.	NP_00130	.	protein_co	ENSG0000	660	1079
BNC1	0	0.020307	0	0	0	0	basonuclin 1 [Source:HGNC Symbol;Acc:HGNC:1081]	chr15:8392	NM_00130	XM_01152	.	.	NP_00128	XP_011520	protein_co	ENSG0000	646	1081
BNC2	0.037626	0	0	0	0	0.019129	basonuclin 2 [Source:HGNC Symbol;Acc:HGNC:30988]	chr9:16409	NM_00131	XM_01701	.	.	NP_00130	XP_011516	protein_co	ENSG0000	54796	30988
BNIP1	15.9317	14.6113	13.0241	16.828	15.6423	12.14	BCL2 interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:1082	chr5:17257	NM_00120	XM_01153	.	.	NP_00119	XP_011532	protein_co	ENSG0000	662	1082
BNIP2	21.8425	20.6828	19.8352	18.7448	20.9805	25.5603	BCL2 interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:1083	chr15:5995	NM_00132	XM_00525	.	.	NP_00130	.	protein_co	ENSG0000	663	1083
BNIP3	15.68	15.116	12.9673	16.4856	15.9795	17.022	BCL2 interacting protein 3 [Source:HGNC Symbol;Acc:HGNC:1084	chr10:1337	NM_00405	.	.	.	NP_00404	.	protein_co	ENSG0000	664	1084
BNIP3L	18.2567	18.9471	23.3548	18.4488	17.7159	25.3182	BCL2 interacting protein 3 like [Source:HGNC Symbol;Acc:HGNC:1	chr8:26240	NM_00433	XM_01154	.	.	NP_00432	XP_005273	protein_co	ENSG0000	665	1085
BNIPL	0.328629	0.303116	0.169021	0.324005	0.286122	0.3357	BCL2 interacting protein like [Source:HGNC Symbol;Acc:HGNC:16	chr1:15100	NM_00115	XM_01150	.	.	NP_00115	XP_011507	protein_co	ENSG0000	149428	16976
BOC	0.912821	0.700495	1.11169	1.19208	0.577552	0.834647	BOC cell adhesion associated, oncogene regulated [Source:HGNC	chr3:11293	NM_00130	XM_01700	.	.	NP_00128	XP_005247	protein_co	ENSG0000	91653	17173
BOD1	39.8972	34.3488	35.2287	36.2968	35.0168	40.0768	biorientation of chromosomes in cell division 1 [Source:HGNC Syr	chr5:17303	NM_00115	.	.	.	NP_00115	.	protein_co	ENSG0000	91272	25114
BOD1L1	5.08465	5.30853	4.99329	3.06847	3.54052	3.8306	biorientation of chromosomes in cell division 1 like 1 [Source:HGI	chr4:13570	NM_14889	XM_01700	.	.	NP_68369	XP_005248	protein_co	ENSG0000	259282	31792
BOD1L2	0.025742	0.027146	0.022263	0	0	0.103288	biorientation of chromosomes in cell division 1 like 2 [Source:HGI	chr18:5481	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	284257	28505
BOK	17.1431	17.2985	18.2356	19.0783	16.6098	14.9907	BOK, BCL2 family apoptosis regulator [Source:HGNC Symbol;Acc:I	chr2:24249	NM_03251	XM_01151	.	.	NP_11590	XP_005247	protein_co	ENSG0000	666	1087
BOLA1	23.8357	22.9104	19.8706	26.9678	21.752	21.3079	bolA family member 1 [Source:HGNC Symbol;Acc:HGNC:24263]	chr1:14985	NM_01607	XM_00671	.	.	NP_00130	XP_006711	protein_co	ENSG0000	51027	24263
BOLA2	0	0	0	0	0	0	bolA family member 2 [Source:HGNC Symbol;Acc:HGNC:29488]	chr16:2946	NM_00103	XM_01699	.	.	NP_00102	XP_016855	protein_co	ENSG0000	107984053	29488
BOLA2B	0	0	0	0	0	0	bolA family member 2B [Source:HGNC Symbol;Acc:HGNC:32479]	chr16:3020	NM_00103	XM_01699	NR_13530	.	NP_00103	XP_016855	protein_co	ENSG0000	107984053	32479
BOLA3	65.8905	66.5322	54.3035	89.0344	64.5455	56.5751	bolA family member 3 [Source:HGNC Symbol;Acc:HGNC:24415]	chr2:74362	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	388962	24415
BOLL	0	0	0	0	0	0	boule homolog, RNA binding protein [Source:HGNC Symbol;Acc:H	chr2:19859	NM_00128	XM_01151	.	.	NP_00127	XP_006712	protein_co	ENSG0000	66037	14273
BOP1	34.8774	35.0638	31.4802	48.4904	45.5237	28.3521	block of proliferation 1 [Source:HGNC Symbol;Acc:HGNC:15519]	chr8:14548	NM_01520	.	NR_10705	.	NP_05601	.	protein_co	ENSG0000	102465906	15519
BORA	16.8482	16.2975	14.3943	22.7325	24.9203	20.202	bora, aurora kinase A activator [Source:HGNC Symbol;Acc:HGNC:	chr13:7330	NM_00128	XM_00671	.	.	NP_00127	XP_006719	protein_co	ENSG0000	79866	24724
BORCS5	6.10032	4.2832	3.42448	8.04726	4.20077	5.9278	BLOC-1 related complex subunit 5 [Source:HGNC Symbol;Acc:HGI	chr12:1251	NM_00130	XM_01152	.	.	NP_00128	XP_011518	protein_co	ENSG0000	118426	17950
BORCS6	8.46092	6.17103	6.3935	6.76869	5.90281	5.44282	BLOC-1 related complex subunit 6 [Source:HGNC Symbol;Acc:HGI	chr17:8091	NM_01762	.	.	.	NP_06009	.	protein_co	ENSG0000	54785	25939
BORCS7	10.2509	12.9232	12.4916	11.0972	10.4757	9.90893	BLOC-1 related complex subunit 7 [Source:HGNC Symbol;Acc:HGI	chr10:1046	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	119032	23516
BORCS8	6.92448	6.71628	6.24998	5.0656	4.19244	1.96539	BLOC-1 related complex subunit 8 [Source:HGNC Symbol;Acc:HGI	chr19:1925	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	729991	37247
BORCS8-MEF2B	4.28339	4.12825	3.63011	6.41778	3.36873	1.99809	BORCS8-MEF2B readthrough [Source:HGNC Symbol;Acc:HGNC:39	chr19:1925	NM_00591	.	.	.	NP_00591	.	protein_co	ENSG0000	4207	39979
BPGM	11.9803	11.2901	10.859	13.9419	12.8125	12.6984	bisphosphoglycerate mutase [Source:HGNC Symbol;Acc:HGNC:10	chr7:13433	NM_00129	XM_01151	.	.	NP_00128	XP_011514	protein_co	ENSG0000	669	1093
BPHL	10.2029	12.4784	12.8967	12.7402	9.87625	10.8874	biphenyl hydrolase like [Source:HGNC Symbol;Acc:HGNC:1094]	chr6:31186	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	670	1094
BPI	0	0	0	0	0	0	bactericidal/permeability-increasing protein [Source:HGNC Symb	chr20:3683	NM_00172	XM_01152	.	.	NP_00171	XP_011527	protein_co	ENSG0000	671	1095
BPIFA1	0	0	0	0	0	0	BPI fold containing family A member 1 [Source:HGNC Symbol;Acc	chr20:3182	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	51297	15749
BPIFA2	0	0	0	0	0	0	BPI fold containing family A member 2 [Source:HGNC Symbol;Acc	chr20:3174	NM_00131	XM_00526	.	.	NP_00130	XP_005260	protein_co	ENSG0000	140683	16203
BPIFA3	0	0	0	0	0	0	BPI fold containing family A member 3 [Source:HGNC Symbol;Acc	chr20:3180	NM_00104	.	.	XR_244132	NP_00103	.	protein_co	ENSG0000	128861	16204
BPIFB1	0	0	0	0	0	0	BPI fold containing family B member 1 [Source:HGNC Symbol;Acc	chr20:3187	NM_03319	.	.	.	NP_14997	.	protein_co	ENSG0000	92747	16108
BPIFB2	0	0	0	0	0	0	BPI fold containing family B member 2 [Source:HGNC Symbol;Acc	chr20:3159	NM_02522	.	.	.	NP_07950	.	protein_co	ENSG0000	80341	16177
BPIFB3	0	0	0	0	0	0	BPI fold containing family B member 3 [Source:HGNC Symbol;Acc	chr20:3164	NM_18265	.	.	.	NP_87259	.	protein_co	ENSG0000	359710	16178
BPIFB4	0	0	0	0	0	0	BPI fold containing family B member 4 [Source:HGNC Symbol;Acc	chr20:3166	NM_18251	.	.	.	NP_87232	.	protein_co	ENSG0000	149954	16179
BPIFB6	0	0	0	0	0	0	BPI fold containing family B member 6 [Source:HGNC Symbol;Acc	chr20:3161	NM_17489	XM_01152	.	.	NP_77755	XP_011526	protein_co	ENSG0000	128859	16504
BPIFC	0	0	0	0.053808	0	0	BPI fold containing family C [Source:HGNC Symbol;Acc:HGNC:165	chr22:3280	NM_17493	XM_01702	.	.	NP_77759	XP_011528	protein_co	ENSG0000	254240	16503
BPNT1	17.0084	17.9831	15.9912	20.4097	18.9353	19.9377	3'(2'), 5'-bisphosphate nucleotidase 1 [Source:HGNC Symbol;Acc:	chr1:22023	NM_00128	XM_01700	.	.	NP_00127	XP_005273	protein_co	ENSG0000	10380	1096
BPTF	9.32198	9.72587	11.2416	8.73519	11.1143	12.0703	bromodomain PHD finger transcription factor [Source:HGNC Sym	chr17:6582	NM_00445	XM_01152	.	.	NP_00445	XP_005257	protein_co	ENSG0000	2186	3581

BPY2	0	0	0	0	0	0	basic charge, Y-linked, 2 [Source:HGNC Symbol;Acc:HGNC:13508]	chrY:25130	NM_00467	.	.	.	NP_004669	.	protein_co	ENSG0000	9083	13508
BPY2B	0	0	0	0	0	0	basic charge, Y-linked, 2B [Source:HGNC Symbol;Acc:HGNC:25449	chrY:26764	NM_00100	.	.	.	NP_001002	.	protein_co	ENSG0000	442867	25449
BPY2C	0	0	0	0	0	0	basic charge, Y-linked, 2C [Source:HGNC Symbol;Acc:HGNC:18225	chrY:27177	NM_00100	.	.	.	NP_001002	.	protein_co	ENSG0000	442868	18225
BRAF	3.62787	4.45394	3.79302	3.6469	3.6072	4.8583	B-Raf proto-oncogene, serine/threonine kinase [Source:HGNC Sy	chr7:14043	NM_00433	XM_01151	.	.	NP_004324	XP_005250	protein_co	ENSG0000	673	1097
BRAP	9.84723	8.89652	8.71884	8.56911	8.5455	7.81401	BRCA1 associated protein [Source:HGNC Symbol;Acc:HGNC:1099]	chr12:1120	NM_00676	XM_01153	.	.	NP_006759	XP_005254	protein_co	ENSG0000	8315	1099
BRAT1	28.102	27.0627	28.5183	26.1261	23.7739	22.274	BRCA1 associated ATM activator 1 [Source:HGNC Symbol;Acc:HG	chr7:25775	NM_15274	XM_01701	.	.	NP_689956	XP_005249	protein_co	ENSG0000	221927	21701
BRCA1	10.8788	10.4103	9.43396	9.79806	10.5117	10.2176	BRCA1, DNA repair associated [Source:HGNC Symbol;Acc:HGNC:1	chr17:4119	NM_00729	.	.	.	NP_009225	.	protein_co	ENSG0000	672	1100
BRCA2	2.27929	2.70917	2.37544	1.60806	2.47795	2.73746	BRCA2, DNA repair associated [Source:HGNC Symbol;Acc:HGNC:1	chr13:3288	NM_00005	XM_01153	.	.	NP_000050	XP_011533	protein_co	ENSG0000	675	1101
BRCC3	11.3697	10.6052	11.2256	11.9253	15.7204	10.4671	BRCA1/BRCA2-containing complex subunit 3 [Source:HGNC Symb	chrX:15428	NM_00101	XM_01702	.	.	NP_001018	XP_005274	protein_co	ENSG0000	79184	24185
BRD1	11.9793	13.4682	10.9162	14.4054	14.8249	12.8699	bromodomain containing 1 [Source:HGNC Symbol;Acc:HGNC:110	chr22:5016	NM_00130	XM_01702	.	.	NP_001291	XP_011528	protein_co	ENSG0000	23774	1102
BRD2	90.3922	90.8678	80.4291	90.3101	87.0151	87.1234	bromodomain containing 2 [Source:HGNC Symbol;Acc:HGNC:110	chr6:32936	NM_00111	.	.	.	NP_001106	.	protein_co	ENSG0000	6046	1103
BRD3	11.3239	12.141	11.0058	9.89866	10.0944	11.7781	bromodomain containing 3 [Source:HGNC Symbol;Acc:HGNC:110	chr9:13689	NM_00737	XM_01701	.	.	NP_031397	XP_006717	protein_co	ENSG0000	8019	1104
BRD4	6.0614	6.51531	5.36989	5.67724	6.28769	6.93181	bromodomain containing 4 [Source:HGNC Symbol;Acc:HGNC:135	chr19:1534	NM_01429	XM_01152	.	.	NP_055114	XP_011526	protein_co	ENSG0000	23476	13575
BRD7	27.9362	27.4666	26.3587	29.4202	29.2404	27.9451	bromodomain containing 7 [Source:HGNC Symbol;Acc:HGNC:143	chr16:5030	NM_00117	XM_01152	.	.	NP_001167	XP_011521	protein_co	ENSG0000	29117	14310
BRD8	18.9913	19.186	17.203	16.889	17.612	14.119	bromodomain containing 8 [Source:HGNC Symbol;Acc:HGNC:198	chr5:13747	NM_00116	XM_01154	.	.	NP_001157	XP_005271	protein_co	ENSG0000	10902	19874
BRD9	15.208	14.3368	16.0527	14.2896	14.0117	11.7058	bromodomain containing 9 [Source:HGNC Symbol;Acc:HGNC:258	chr5:86423	NM_00100	XM_01151	.	.	NP_001009	.	protein_co	ENSG0000	65980	25818
BRDT	0	0	0.016579	0	0	0.02111	bromodomain testis associated [Source:HGNC Symbol;Acc:HGNC	chr1:92414	NM_00124	XM_01154	.	.	NP_001229	XP_006710	protein_co	ENSG0000	676	1105
BRE	15.8271	15.3994	14.0752	16.9861	13.6216	11.4329	brain and reproductive organ-expressed (TNFRSF1A modulator) [	chr2:27994	NM_00126	.	.	.	NP_001248	.	protein_co	ENSG0000	9577	1106
BRF1	11.631	12.0928	12.7081	10.4762	9.32797	6.56453	BRF1, RNA polymerase III transcription initiation factor 90 kDa su	chr14:1056	NM_00124	XM_01153	.	.	NP_001229	XP_005267	protein_co	ENSG0000	2972	11551
BRF2	10.2897	10.341	7.80913	12.8283	11.6271	7.69997	BRF2, RNA polymerase III transcription initiation factor 50 kDa su	chr8:37654	NM_01831	.	.	.	NP_060780	.	protein_co	ENSG0000	55290	17298
BRI3	58.1589	47.2202	48.4001	49.435	39.7608	39.9525	brain protein I3 [Source:HGNC Symbol;Acc:HGNC:1109]	chr7:97910	NM_00115	.	.	.	NP_001152	.	protein_co	ENSG0000	25798	1109
BRI3BP	28.1183	28.9657	27.9021	27.7257	30.9069	26.487	BRI3 binding protein [Source:HGNC Symbol;Acc:HGNC:14251]	chr12:1254	NM_08062	.	.	.	NP_542193	.	protein_co	ENSG0000	140707	14251
BRICD5	2.83729	1.69799	2.38459	5.38467	5.14087	4.82484	BRICHOS domain containing 5 [Source:HGNC Symbol;Acc:HGNC:2	chr16:2255	NM_18256	XM_00525	.	.	NP_872369	XP_005255	protein_co	ENSG0000	283870	28309
BRINP1	0	0	0	0	0	0	BMP/retinoic acid inducible neural specific 1 [Source:HGNC Symb	chr9:12192	NM_01461	.	.	.	NP_055433	.	protein_co	ENSG0000	1620	2687
BRINP2	0	0	0	0	0	0	BMP/retinoic acid inducible neural specific 2 [Source:HGNC Symb	chr1:17714	NM_02116	XM_01150	.	.	NP_066988	XP_005245	protein_co	ENSG0000	57795	13746
BRINP3	0	0	0	0	0.027919	0	BMP/retinoic acid inducible neural specific 3 [Source:HGNC Symb	chr1:19006	NM_19905	XM_01150	.	.	NP_950252	XP_005245	protein_co	ENSG0000	339479	22393
BRIP1	6.91544	7.01835	6.32046	7.11505	9.042	8.20226	BRCA1 interacting protein C-terminal helicase 1 [Source:HGNC Sy	chr17:5975	NM_03204	XM_01152	.	.	NP_114432	XP_011523	protein_co	ENSG0000	83990	20473
BRIX1	55.0964	46.9001	45.8338	57.6221	70.9717	57.4448	BRX1, biogenesis of ribosomes [Source:HGNC Symbol;Acc:HGNC::	chr5:34905	NM_01832	.	.	.	NP_060791	.	protein_co	ENSG0000	55299	24170
BRK1	105.575	101.188	123.682	107.608	105.725	120.153	BRICK1, SCAR/WAVE actin nucleating complex subunit [Source:H	chr3:10157	NM_01846	.	.	.	NP_060932	.	protein_co	ENSG0000	55845	23057
BRMS1	42.4546	43.2582	35.7539	56.2909	45.1554	22.3327	breast cancer metastasis suppressor 1 [Source:HGNC Symbol;Acc	chr11:6610	NM_00102	.	.	.	NP_001020	.	protein_co	ENSG0000	25855	17262
BRMS1L	3.87463	3.6886	3.46043	3.69466	5.24756	3.70648	breast cancer metastasis-suppressor 1-like [Source:HGNC Symbol	chr14:3629	NM_03235	XM_00672	.	.	NP_115728	XP_005268	protein_co	ENSG0000	84312	20512
BROX	11.0659	11.736	11.4046	8.12599	9.36996	11.8465	BRO1 domain and CAAX motif containing [Source:HGNC Symbol;A	chr1:22288	NM_00128	XM_01150	NR_10992	.	NP_001275	XP_005273	protein_co	ENSG0000	148362	26512
BRPF1	8.90118	9.35778	8.33522	9.31951	9.10991	7.34984	bromodomain and PHD finger containing 1 [Source:HGNC Symbo	chr3:97734	NM_00100	XM_01153	.	.	NP_001003	XP_005265	protein_co	ENSG0000	7862	14255
BRPF3	7.64494	8.02009	6.52498	6.57903	7.45889	6.18666	bromodomain and PHD finger containing 3 [Source:HGNC Symbo	chr6:36164	NM_01569	XM_01701	.	.	NP_056510	XP_005249	protein_co	ENSG0000	27154	14256
BRS3	0.068158	0	0	0	0.037523	0	bombesin receptor subtype 3 [Source:HGNC Symbol;Acc:HGNC:1	chrX:13557	NM_00172	XM_00526	.	.	NP_001718	XP_005262	protein_co	ENSG0000	680	1113
BRSK1	9.86343	8.09955	9.90198	4.64018	4.58185	4.68718	BR serine/threonine kinase 1 [Source:HGNC Symbol;Acc:HGNC:18	chr19:5579	NM_03243	XM_00525	.	.	NP_115806	XP_005259	protein_co	ENSG0000	84446	18994
BRSK2	7.03043	7.87648	10.5516	6.59829	5.75393	3.81742	BR serine/threonine kinase 2 [Source:HGNC Symbol;Acc:HGNC:11	chr11:1411	NM_00125	XM_01152	.	.	NP_001243	XP_005253	protein_co	ENSG0000	9024	11405
BRWD1	13.7149	13.1675	15.1085	7.87914	11.6417	14.9621	bromodomain and WD repeat domain containing 1 [Source:HGN	chr21:4055	NM_00100	XM_01702	.	.	NP_001007	XP_011527	protein_co	ENSG0000	54014	12760
BRWD3	2.14357	2.19984	2.47772	2.14197	2.65825	2.6447	bromodomain and WD repeat domain containing 3 [Source:HGN	chrX:79926	NM_15325	XM_01153	.	.	NP_694984	XP_005262	protein_co	ENSG0000	254065	17342
BSCL2	32.163	31.5391	25.8747	43.1507	38.8839	24.3551	BSCL2, seipin lipid droplet biogenesis associated [Source:HGNC Sy	chr11:6245	NM_00112	.	.	.	NP_001116	.	protein_co	ENSG0000	26580	15832
BSDC1	25.1425	24.7819	21.9016	14.9908	13.6039	14.6084	BSD domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25501	chr1:32830	NM_00114	XM_01154	.	.	NP_001137	XP_005271	protein_co	ENSG0000	55108	25501
BSG	460.063	468.548	352.558	527.481	440.189	422.172	basigin (Ok blood group) [Source:HGNC Symbol;Acc:HGNC:1116]	chr19:5712	NM_00132	XM_01702	.	.	NP_001309	XP_005259	protein_co	ENSG0000	682	1116
BSN	0.477964	0.361448	0.290368	0.320382	0.33163	0.21292	bassoon presynaptic cytomatrix protein [Source:HGNC Symbol;Ac	chr3:49591	NM_00345	.	.	.	NP_003449	.	protein_co	ENSG0000	8927	1117
BSND	0	0.020924	0	0	0	0.021948	barttin CLCNK type accessory beta subunit [Source:HGNC Symbol	chr1:55464	NM_05717	.	.	.	NP_476517	.	protein_co	ENSG0000	7809	16512
BSPH1	0	0	0	0	0	0	binder of sperm protein homolog 1 [Source:HGNC Symbol;Acc:HG	chr19:4847	NM_00112	.	.	.	NP_001121	XP_016881	protein_co	ENSG0000	100131137	33906
BSPRY	13.9872	13.5928	14.826	14.412	12.9781	14.9858	B-box and SPRY domain containing [Source:HGNC Symbol;Acc:HG	chr9:11611	NM_00131	XM_00671	.	.	NP_001304	XP_006717	protein_co	ENSG0000	54836	18232
BST1	0.417503	0.254299	0.214644	0.549094	0.4169	0.29366	bone marrow stromal cell antigen 1 [Source:HGNC Symbol;Acc:H	chr4:15704	NM_00433	XM_01151	.	.	NP_004325	XP_011512	protein_co	ENSG0000	683	1118
BST2	21.3682	20.0533	6.88666	4.51052	2.22177	2.99282	bone marrow stromal cell antigen 2 [Source:HGNC Symbol;Acc:H	chr19:1751	NM_00433	.	.	.	NP_004326	.	protein_co	ENSG0000	684	1119
BSX	0	0	0	0	0	0	brain specific homeobox [Source:HGNC Symbol;Acc:HGNC:20450]	chr11:1228	NM_00109	.	.	.	NP_001091	.	protein_co	ENSG0000	390259	20450
BTAF1	16.0682	16.5735	19.5932	14.1702	17.7505	18.5106	B-TFIID TATA-box binding protein associated factor 1 [Source:HG	chr10:9368	NM_00397	XM_01701	.	.	NP_003963	XP_011538	protein_co	ENSG0000	9044	17307
BTBD1	41.516	40.6078	49.641	44.6175	46.9706	55.0542	BTB domain containing 1 [Source:HGNC Symbol;Acc:HGNC:1120]	chr15:8368	NM_00101	.	.	.	NP_001011	.	protein_co	ENSG0000	53339	1120
BTBD10	13.8863	12.9647	14.2608	12.6664	12.0859	14.2532	BTB domain containing 10 [Source:HGNC Symbol;Acc:HGNC:2144	chr11:1340	NM_00129	XM_01701	.	.	NP_001284	XP_011518	protein_co	ENSG0000	84280	21445
BTBD11	1.50326	1.52193	2.69013	1.5142	1.27238	1.96672	BTB domain containing 11 [Source:HGNC Symbol;Acc:HGNC:2384	chr12:1077	NM_00101	XM_01153	.	.	NP_001017	XP_005268	protein_co	ENSG0000	121551	23844
BTBD16	0.155569	0.080233	0.203542	0.12913	0.131555	0.323424	BTB domain containing 16 [Source:HGNC Symbol;Acc:HGNC:2634	chr10:1240	NM_00131	XM_01153	.	.	NP_001305	XP_011537	protein_co	ENSG0000	118663	26340
BTBD17	0	0	0	0	0	0.08417	BTB domain containing 17 [Source:HGNC Symbol;Acc:HGNC:3375	chr17:7235	NM_00108	.	.	.	NP_001073	XP_011523	protein_co	ENSG0000	388419	33758
BTBD18	0	0	0	0	0	0	BTB domain containing 18 [Source:HGNC Symbol;Acc:HGNC:3721	chr11:5751	NM_00114	XM_01701	.	.	NP_001138	XP_011543	protein_co	ENSG0000	643376	37214
BTBD19	0.54297	0.979524	2.93675	0.576384	0.491679	1.23319	BTB domain containing 19 [Source:HGNC Symbol;Acc:HGNC:2714	chr1:45274	NM_00113	XM_01154	.	.	NP_001130	XP_006710	protein_co	ENSG0000	149478	27145
BTBD2	35.1182	37.4538	43.9659	37.8283	30.4905	37.3276	BTB domain containing 2 [Source:HGNC Symbol;Acc:HGNC:15504	chr19:1985	NM_01779	XM_00525	.	.	NP_060267	XP_005259	protein_co	ENSG0000	55643	15504
BTBD3	9.38712	10.3548	10.0054	9.5842	9.0306	10.4978	BTB domain containing 3 [Source:HGNC Symbol;Acc:HGNC:15854	chr20:1187	NM_00128	XM_01702	.	.	NP_001269	XP_016883	protein_co	ENSG0000	22903	15854

BTBD6	31.5292	28.9241	23.798	35.5054	31.6595	26.618	BTB domain containing 6 [Source:HGNC Symbol;Acc:HGNC:19897	chr14:1056	NM_03327	XM_00526	.	.	NP_150374	XP_005268	protein_co	ENSG00000	90135	19897
BTBD7	8.0334	7.86913	8.35851	7.21602	8.94715	8.895	BTB domain containing 7 [Source:HGNC Symbol;Acc:HGNC:18269	chr14:9370	NM_00100	XM_01153	.	.	NP_001002	XP_011535	protein_co	ENSG00000	55727	18269
BTBD8	0.726129	1.91985	1.13004	0.844101	0.984903	1.60805	BTB domain containing 8 [Source:HGNC Symbol;Acc:HGNC:21019	chr1:92545	NM_18324	.	.	.	NP_899065	XP_016856	protein_co	ENSG00000	284697	21019
BTBD9	2.84356	2.95732	3.71259	3.04023	3.68808	2.75226	BTB domain containing 9 [Source:HGNC Symbol;Acc:HGNC:21228	chr6:38136	NM_00109	XM_01151	.	.	NP_001092	XP_005248	protein_co	ENSG00000	114781	21228
BTC	2.61582	3.0351	2.18107	3.46506	3.95791	4.53268	betacellulin [Source:HGNC Symbol;Acc:HGNC:1121]	chr4:75669	NM_00172	XM_01153	.	.	NP_001720	XP_011530	protein_co	ENSG00000	685	1121
BTD	2.9888	2.94589	2.60371	3.58482	3.03491	3.31051	biotinidase [Source:HGNC Symbol;Acc:HGNC:1122]	chr3:15602	NM_00006	XM_01153	.	.	NP_000051	XP_006713	protein_co	ENSG00000	686	1122
BTF3	630.603	595.897	600.584	657.364	576.554	631.009	basic transcription factor 3 [Source:HGNC Symbol;Acc:HGNC:1125	chr5:72794	NM_00103	.	.	.	NP_001032	.	protein_co	ENSG00000	689	1125
BTF3L4	37.2312	37.0211	36.215	40.4835	42.3415	62.8798	basic transcription factor 3 like 4 [Source:HGNC Symbol;Acc:HGN	chr1:52485	NM_00113	.	.	.	NP_001129	.	protein_co	ENSG00000	91408	30547
BTG1	13.096	15.133	9.59497	10.7831	11.2849	16.6817	BTG anti-proliferation factor 1 [Source:HGNC Symbol;Acc:HGNC:1	chr12:9253	NM_00173	.	.	.	NP_001722	.	protein_co	ENSG00000	694	1130
BTG2	30.5205	29.5115	41.9191	27.9916	30.3206	24.1645	BTG anti-proliferation factor 2 [Source:HGNC Symbol;Acc:HGNC:1	chr1:20327	NM_00676	.	.	.	NP_006754	.	protein_co	ENSG00000	7832	1131
BTG3	61.4177	65.8757	56.2846	89.9287	82.0894	77.1658	BTG anti-proliferation factor 3 [Source:HGNC Symbol;Acc:HGNC:1	chr21:1896	NM_00113	XM_01152	.	.	NP_001124	XP_011527	protein_co	ENSG00000	10950	1132
BTG4	0	0.087006	0	0.0932	0	0	BTG anti-proliferation factor 4 [Source:HGNC Symbol;Acc:HGNC:1	chr11:1113	NM_01758	.	.	.	NP_060059	XP_011541	protein_co	ENSG00000	54766	13862
BTK	0.115399	0.083468	0.069722	0.180122	0.298869	0.376565	Bruton tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:1133]	chrX:10060	NM_00006	.	.	.	NP_000052	.	protein_co	ENSG00000	695	1133
BTLA	0	0	0.093401	0	0	0	B and T lymphocyte associated [Source:HGNC Symbol;Acc:HGNC:	chr3:11218	NM_00108	XM_01151	.	.	NP_001078	XP_011510	protein_co	ENSG00000	151888	21087
BTN1A1	0.283832	0.407459	0.447948	0.191232	0.265726	0.176531	butyrophilin subfamily 1 member A1 [Source:HGNC Symbol;Acc:H	chr6:26501	NM_00173	XM_00524	.	.	NP_001723	XP_005249	protein_co	ENSG00000	696	1135
BTN2A1	7.39446	7.48216	5.69163	7.75547	5.91385	5.488	butyrophilin subfamily 2 member A1 [Source:HGNC Symbol;Acc:H	chr6:26458	NM_00119	.	.	.	NP_001184	.	protein_co	ENSG00000	11120	1136
BTN2A2	7.51997	7.48926	7.53604	6.44647	6.22761	6.65683	butyrophilin subfamily 2 member A2 [Source:HGNC Symbol;Acc:H	chr6:26383	NM_00119	XM_01151	.	.	NP_001184	XP_005248	protein_co	ENSG00000	10385	1137
BTN3A1	5.6806	5.2079	4.26543	3.43803	3.83265	2.56345	butyrophilin subfamily 3 member A1 [Source:HGNC Symbol;Acc:H	chr6:26402	NM_00114	XM_01151	.	.	NP_001138	XP_005248	protein_co	ENSG00000	11119	1138
BTN3A2	10.0005	10.0986	7.77021	9.73324	8.72302	6.84707	butyrophilin subfamily 3 member A2 [Source:HGNC Symbol;Acc:H	chr6:26365	NM_00119	XM_01701	.	.	NP_001184	XP_005248	protein_co	ENSG00000	11118	1139
BTN3A3	3.29239	3.10841	2.27824	1.09022	1.4158	0.941191	butyrophilin subfamily 3 member A3 [Source:HGNC Symbol;Acc:H	chr6:26440	NM_00124	.	.	.	NP_001229	.	protein_co	ENSG00000	10384	1140
BTNL2	0	0	0	0	0	0	butyrophilin like 2 [Source:HGNC Symbol;Acc:HGNC:1142]	chr6:32361	NM_00130	XM_01151	.	.	NP_001291	XP_016866	protein_co	ENSG00000	56244	1142
BTNL3	0	0	0	0	0	0	butyrophilin like 3 [Source:HGNC Symbol;Acc:HGNC:1143]	chr5:18041	NM_19797	.	.	.	NP_932079	.	protein_co	ENSG00000	10917	1143
BTNL8	0	0	0	0	0	0	butyrophilin like 8 [Source:HGNC Symbol;Acc:HGNC:26131]	chr5:18032	NM_00104	XM_01153	.	.	NP_001035	XP_011532	protein_co	ENSG00000	79908	26131
BTNL9	2.35849	2.47132	3.32106	1.24993	2.12876	2.27484	butyrophilin like 9 [Source:HGNC Symbol;Acc:HGNC:24176]	chr5:18046	NM_00130	XM_01700	.	.	NP_001295	XP_005265	protein_co	ENSG00000	153579	24176
BTRC	12.5663	12.8138	11.0949	11.5377	12.7035	12.2043	beta-transducin repeat containing E3 ubiquitin protein ligase [Sou	chr10:1031	NM_00125	XM_00671	.	.	NP_001243	XP_006718	protein_co	ENSG00000	8945	1144
BUB1	29.7987	30.5701	29.4742	54.5351	62.582	46.5832	BUB1 mitotic checkpoint serine/threonine kinase [Source:HGNC S	chr2:11139	NM_00127	.	.	.	NP_001265	.	protein_co	ENSG00000	699	1148
BUB1B	31.7934	31.8475	29.8959	46.3548	47.7106	33.6418	BUB1 mitotic checkpoint serine/threonine kinase B [Source:HGN	chr15:4045	NM_00121	.	.	.	NP_001202	.	protein_co	ENSG00000	701	1149
BUB1B-PAK6	8.36E-17	0.150167	4.47E-11	1.02E-13	6.91E-06	0.291375	BUB1B-PAK6 readthrough [Source:EntrezGene;Acc:106821730]	chr15:4045	NM_00112	.	.	.	NP_001122	.	protein_co	ENSG00000	106821730	.
BUB3	173.049	178.058	162.52	236.926	222.816	187.358	BUB3, mitotic checkpoint protein [Source:HGNC Symbol;Acc:HGN	chr10:1249	NM_00100	.	.	.	NP_001007	.	protein_co	ENSG00000	9184	1151
BUD13	13.2107	13.6917	12.9399	18.2021	14.6445	12.6377	BUD13 homolog [Source:HGNC Symbol;Acc:HGNC:28199]	chr11:1166	NM_00115	.	.	.	NP_001153	XP_011541	protein_co	ENSG00000	84811	28199
BUD31	73.2809	67.5189	50.6284	71.0577	53.9371	70.8432	BUD31 homolog [Source:HGNC Symbol;Acc:HGNC:29629]	chr7:98992	NM_00391	XM_00525	.	.	NP_003901	XP_005250	protein_co	ENSG00000	8896	29629
BVES	0.874851	0.950577	1.20088	1.04332	1.5082	1.4636	blood vessel epicardial substance [Source:HGNC Symbol;Acc:HGN	chr6:10554	NM_00119	XM_01153	.	.	NP_001186	XP_011533	protein_co	ENSG00000	11149	1152
BX088651.2	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QXD	chr9:44325	.	.	.	.	.	.	protein_co	ENSG00000	.	.
BX255923.1	0	0	0	0	0	0	HDCMB45P; Uncharacterized protein [Source:UniProtKB/TrEMBL	chr9:69204	.	.	.	.	.	.	protein_co	ENSG00000	.	.
BX649567.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QZF	chr9:67924	.	.	.	.	.	.	protein_co	ENSG00000	.	.
BX842679.1	0	0	0	0	0	0	Uncharacterized protein FLJ46360 [Source:UniProtKB/Swiss-Prot	chr1:14763	.	.	.	.	.	.	protein_co	ENSG00000	.	.
BYSL	32.2026	31.0929	26.467	39.6128	36.4522	24.9491	bystin like [Source:HGNC Symbol;Acc:HGNC:1157]	chr6:41888	NM_00405	.	.	.	NP_004044	.	protein_co	ENSG00000	705	1157
BZW1	152.966	143.539	158.376	188.001	222.578	221.917	basic leucine zipper and W2 domains 1 [Source:HGNC Symbol;Acc	chr2:20167	NM_00120	XM_01151	.	.	NP_001193	XP_011510	protein_co	ENSG00000	9689	18380
BZW2	78.4896	75.4591	93.8167	79.9483	83.9903	85.2615	basic leucine zipper and W2 domains 2 [Source:HGNC Symbol;Acc	chr7:16685	NM_00115	XM_00671	.	.	NP_001153	XP_006715	protein_co	ENSG00000	28969	18808
C10orf10	2.32159	2.59447	2.50238	0.580158	0.860593	0.576974	chromosome 10 open reading frame 10 [Source:HGNC Symbol;Ac	chr10:4545	NM_00702	.	.	.	NP_008952	.	protein_co	ENSG00000	11067	23355
C10orf105	0	0	0	0	0	0.018148	chromosome 10 open reading frame 105 [Source:HGNC Symbol;A	chr10:7315	NM_00116	XM_01153	.	.	NP_001157	XP_011538	protein_co	ENSG00000	414152	20304
C10orf107	0.101518	0.218833	0.177128	0.233393	0.223532	0.245614	chromosome 10 open reading frame 107 [Source:HGNC Symbol;A	chr10:6342	NM_17355	XM_00526	.	.	NP_775825	XP_005269	protein_co	ENSG00000	219621	28678
C10orf11	1.74916	1.58293	2.99313	1.0832	1.80196	0.933708	chromosome 10 open reading frame 11 [Source:HGNC Symbol;Ac	chr10:7719	NM_00130	XM_01154	NR_131178	.	NP_001292	XP_005270	protein_co	ENSG00000	83938	23405
C10orf113	0	0	0	0	0	0	chromosome 10 open reading frame 113 [Source:HGNC Symbol;A	chr10:2106	NM_00101	.	.	.	NP_001010	.	protein_co	ENSG00000	387638	31447
C10orf120	0	0	0	0	0	0	chromosome 10 open reading frame 120 [Source:HGNC Symbol;A	chr10:1244	NM_00101	.	.	.	NP_001010	.	protein_co	ENSG00000	399814	25707
C10orf128	0	0	0	0	0.057358	0.04427	chromosome 10 open reading frame 128 [Source:HGNC Symbol;A	chr10:5036	NM_00101	XM_01153	.	.	NP_001010	XP_011537	protein_co	ENSG00000	170371	27274
C10orf142	0	0	0	0	0	0	chromosome 10 open reading frame 142 [Source:HGNC Symbol;A	chr10:4478	NM_00125	.	.	.	NP_001244	.	protein_co	ENSG00000	100130539	51236
C10orf2	29.2609	30.0667	30.86	26.9825	24.6468	18.3911	chromosome 10 open reading frame 2 [Source:HGNC Symbol;Acc	chr10:1027	NM_00116	.	.	.	NP_001157	.	protein_co	ENSG00000	56652	1160
C10orf35	25.7153	23.058	20.1242	31.2285	22.744	18.5723	chromosome 10 open reading frame 35 [Source:HGNC Symbol;Ac	chr10:7139	NM_14530	XM_01153	.	.	NP_660349	XP_005269	protein_co	ENSG00000	219738	23519
C10orf53	0	0	0	0	0	0	chromosome 10 open reading frame 53 [Source:HGNC Symbol;Ac	chr10:5088	NM_00104	.	.	.	NP_001035	.	protein_co	ENSG00000	282966	27421
C10orf54	1.37247	1.62598	3.73256	1.35427	1.26992	1.28322	chromosome 10 open reading frame 54 [Source:HGNC Symbol;Ac	chr10:7315	NM_02215	.	.	.	NP_071436	.	protein_co	ENSG00000	64115	30085
C10orf55	0.183179	0.295476	0.253116	0.240805	0.251325	0.232335	chromosome 10 open reading frame 55 [Source:HGNC Symbol;Ac	chr10:7566	NM_00100	.	.	.	NP_001001	.	protein_co	ENSG00000	414236	31008
C10orf62	0	0	0.047294	0	0	0	chromosome 10 open reading frame 62 [Source:HGNC Symbol;Ac	chr10:9934	NM_00100	.	.	.	NP_001009	.	protein_co	ENSG00000	414157	23294
C10orf67	0	0	0	0	0	0	chromosome 10 open reading frame 67 [Source:HGNC Symbol;Ac	chr10:2349	NM_15371	.	.	.	NP_714925	XP_011517	protein_co	ENSG00000	256815	28716
C10orf71	0	0	0	0	0	0	chromosome 10 open reading frame 71 [Source:HGNC Symbol;Ac	chr10:5050	NM_00113	XM_01153	.	.	NP_001128	XP_005269	protein_co	ENSG00000	118461	26973
C10orf76	12.9223	11.6643	11.0167	11.2346	11.8974	11.2211	chromosome 10 open reading frame 76 [Source:HGNC Symbol;Ac	chr10:1036	NM_02454	XM_01154	.	.	NP_078817	XP_006718	protein_co	ENSG00000	79591	25788
C10orf82	0.195752	0	0.204835	0.318033	0.112081	0	chromosome 10 open reading frame 82 [Source:HGNC Symbol;Ac	chr10:1184	NM_14466	XM_01701	.	.	NP_653262	XP_011537	protein_co	ENSG00000	143379	28500
C10orf88	9.56735	8.63643	9.28158	8.27558	12.4969	12.1528	chromosome 10 open reading frame 88 [Source:HGNC Symbol;Ac	chr10:1246	NM_02494	.	.	.	NP_079218	.	protein_co	ENSG00000	80007	25822
C10orf90	0	0	0	0.079363	0	0	chromosome 10 open reading frame 90 [Source:HGNC Symbol;Ac	chr10:1281	NM_00100	XM_01153	.	.	NP_001004	XP_005269	protein_co	ENSG00000	118611	26563

C10orf95	1.88591	1.88556	1.05591	2.08607	1.98902	1.44089	chromosome 10 open reading frame 95 [Source:HGNC Symbol;Ac	chr10:1042	NM_02488	.	.	.	NP_07916	.	protein_co	ENSG0000	79946	25880
C10orf99	0.18664	0.094639	0	0	0	0	chromosome 10 open reading frame 99 [Source:HGNC Symbol;Ac	chr10:8593	NM_20737	XM_00526	.	.	NP_99725	XP_005269	protein_co	ENSG0000	387695	31428
C11orf1	48.9092	43.8801	44.7212	49.1081	52.1474	45.7378	chromosome 11 open reading frame 1 [Source:HGNC Symbol;Acc	chr11:1116	NM_02276	XM_01701	.	.	NP_07359	XP_011541	protein_co	ENSG0000	64776	1163
C11orf16	0	0	0	0	0	0	chromosome 11 open reading frame 16 [Source:HGNC Symbol;Ac	chr11:8932	NM_02064	.	.	.	NP_06569	XP_016873	protein_co	ENSG0000	56673	1169
C11orf21	0	0	0	0	0	0	chromosome 11 open reading frame 21 [Source:HGNC Symbol;Ac	chr11:2316	NM_00114	XM_01152	.	.	NP_00113	XP_011518	protein_co	ENSG0000	29125	13231
C11orf24	21.9154	21.8162	18.9028	24.271	20.8466	16.2892	chromosome 11 open reading frame 24 [Source:HGNC Symbol;Ac	chr11:6802	NM_00130	XM_01154	.	.	NP_00128	XP_005274	protein_co	ENSG0000	53838	1174
C11orf31	158.625	143.71	152.344	168.773	124.736	128.343	chromosome 11 open reading frame 31 [Source:HGNC Symbol;Ac	chr11:5750	NM_17074	.	.	.	NP_00130	.	protein_co	ENSG0000	280636	18251
C11orf40	0	0	0	0	0	0	chromosome 11 open reading frame 40 [Source:HGNC Symbol;Ac	chr11:4592	NM_14466	.	.	.	NP_65326	.	protein_co	ENSG0000	143501	23986
C11orf42	0	0	0	0	0	0	chromosome 11 open reading frame 42 [Source:HGNC Symbol;Ac	chr11:6226	NM_17352	.	.	.	NP_77579	.	protein_co	ENSG0000	160298	28541
C11orf45	1.81778	2.35864	2.49318	2.48798	1.29437	0.973807	chromosome 11 open reading frame 45 [Source:HGNC Symbol;Ac	chr11:1287	NM_00125	XM_01154	.	.	NP_00124	XP_011540	protein_co	ENSG0000	219833	28584
C11orf49	13.3647	13.3262	14.0093	14.0605	12.4328	13.2304	chromosome 11 open reading frame 49 [Source:HGNC Symbol;Ac	chr11:4695	NM_00100	XM_01152	.	.	NP_00100	XP_006718	protein_co	ENSG0000	79096	28720
C11orf52	3.73489	3.14658	3.46598	2.49335	1.74487	1.94137	chromosome 11 open reading frame 52 [Source:HGNC Symbol;Ac	chr11:1117	NM_08065	.	.	.	NP_54239	.	protein_co	ENSG0000	91894	30531
C11orf53	0	0	0	0	0	0	chromosome 11 open reading frame 53 [Source:HGNC Symbol;Ac	chr11:1111	NM_19849	XM_01154	.	.	NP_94090	XP_011541	protein_co	ENSG0000	341032	30527
C11orf54	14.9514	15.9012	17.6183	15.7683	14.2317	16.2186	chromosome 11 open reading frame 54 [Source:HGNC Symbol;Ac	chr11:9346	NM_00128	XM_01154	.	.	NP_00127	XP_005273	protein_co	ENSG0000	28970	30204
C11orf57	17.2619	16.4	15.5974	15.1676	16.023	14.2531	chromosome 11 open reading frame 57 [Source:HGNC Symbol;Ac	chr11:1118	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	55216	25569
C11orf58	80.2622	84.7547	65.1812	85.9164	82.4745	73.6517	chromosome 11 open reading frame 58 [Source:HGNC Symbol;Ac	chr11:1675	NM_01426	.	.	.	NP_05508	.	protein_co	ENSG0000	10944	16990
C11orf63	2.02674	1.93252	2.06019	1.85353	2.13005	2.70294	chromosome 11 open reading frame 63 [Source:HGNC Symbol;Ac	chr11:1227	NM_02480	XM_01701	.	.	NP_07908	XP_005271	protein_co	ENSG0000	79864	26288
C11orf65	1.22591	0.675205	0.945204	0.385314	0.537971	1.12712	chromosome 11 open reading frame 65 [Source:HGNC Symbol;Ac	chr11:1080	NM_15258	XM_01701	.	.	NP_68980	XP_005271	protein_co	ENSG0000	160140	28519
C11orf68	40.0458	39.6278	31.1591	44.4962	35.1086	28.4928	chromosome 11 open reading frame 68 [Source:HGNC Symbol;Ac	chr11:6568	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	83638	28801
C11orf70	0	0	0	0	0	0	chromosome 11 open reading frame 70 [Source:HGNC Symbol;Ac	chr11:1019	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	85016	28188
C11orf71	5.61841	3.78592	4.16324	2.84938	3.08408	3.53255	chromosome 11 open reading frame 71 [Source:HGNC Symbol;Ac	chr11:1142	NM_01902	.	.	.	NP_06189	.	protein_co	ENSG0000	54494	25937
C11orf74	8.633	6.89828	8.34319	10.7085	9.98437	12.5738	chromosome 11 open reading frame 74 [Source:HGNC Symbol;Ac	chr11:3661	NM_00127	XM_01151	.	.	NP_00126	XP_006718	protein_co	ENSG0000	119710	25142
C11orf80	5.76374	6.35163	6.50907	6.08177	4.50464	6.34509	chromosome 11 open reading frame 80 [Source:HGNC Symbol;Ac	chr11:6651	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	79703	26197
C11orf84	30.4968	30.7909	26.7695	44.2093	41.1898	31.2352	chromosome 11 open reading frame 84 [Source:HGNC Symbol;Ac	chr11:6358	NM_13847	XM_01154	.	.	NP_61248	XP_006718	protein_co	ENSG0000	144097	25115
C11orf86	0.072231	0	0	0	0	0.079946	chromosome 11 open reading frame 86 [Source:HGNC Symbol;Ac	chr11:6674	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	254439	34442
C11orf87	0	0	0	0.020947	0	0	chromosome 11 open reading frame 87 [Source:HGNC Symbol;Ac	chr11:1092	NM_20764	XM_01154	.	.	NP_99752	XP_005271	protein_co	ENSG0000	399947	33788
C11orf88	0	0	0	0	0	0	chromosome 11 open reading frame 88 [Source:HGNC Symbol;Ac	chr11:1113	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	399949	25061
C11orf89	0	0	0	0	0	0	chromosome 11 open reading frame 89 [Source:HGNC Symbol;Ac	chr11:1874	.	.	.	.	.	.	protein_co	ENSG0000	.	35118
C11orf91	2.22E-97	0	2.24E-80	0	0	0	chromosome 11 open reading frame 91 [Source:HGNC Symbol;Ac	chr11:3371	NM_00116	.	.	.	NP_00116	XP_016872	protein_co	ENSG0000	100131378	34444
C11orf94	0	0	0	0	0.474983	0.446418	chromosome 11 open reading frame 94 [Source:HGNC Symbol;Ac	chr11:4592	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	143678	37213
C11orf95	6.46539	6.55645	6.6727	7.44946	6.65543	5.91688	chromosome 11 open reading frame 95 [Source:HGNC Symbol;Ac	chr11:6352	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	65998	28449
C11orf96	0	0.120293	0	0	0	0	chromosome 11 open reading frame 96 [Source:HGNC Symbol;Ac	chr11:4394	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	387763	38675
C11orf97	0	0	0	0	0	0	chromosome 11 open reading frame 97 [Source:HGNC Symbol;Ac	chr11:9424	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	643037	49544
C11orf98	130.939	119.907	104.632	178.472	131.752	99.2601	chromosome 11 open reading frame 98 [Source:HGNC Symbol;Ac	chr11:6241	NM_00128	.	NR_10441	.	NP_00127	.	protein_co	ENSG0000	102288414	51238
C12orf10	47.4638	46.1094	40.5673	59.248	44.798	33.837	chromosome 12 open reading frame 10 [Source:HGNC Symbol;Ac	chr12:5369	NM_02164	.	.	.	NP_06765	.	protein_co	ENSG0000	60314	17590
C12orf29	13.817	13.768	13.7479	14.8268	14.5168	14.4709	chromosome 12 open reading frame 29 [Source:HGNC Symbol;Ac	chr12:8842	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	91298	25322
C12orf4	4.66211	5.2952	4.99033	3.95767	4.951	4.439	chromosome 12 open reading frame 4 [Source:HGNC Symbol;Acc	chr12:4596	NM_00130	XM_01152	.	.	NP_00129	XP_005253	protein_co	ENSG0000	57102	1184
C12orf40	0	0	0	0	0	0	chromosome 12 open reading frame 40 [Source:HGNC Symbol;Ac	chr12:4001	NM_00103	XM_00526	.	.	NP_00102	XP_005268	protein_co	ENSG0000	283461	26846
C12orf42	0	0	0	0	0	0	chromosome 12 open reading frame 42 [Source:HGNC Symbol;Ac	chr12:1036	NM_00109	XM_01153	.	.	NP_00109	XP_006719	protein_co	ENSG0000	374470	24729
C12orf43	10.8514	10.7691	9.50982	11.7033	9.37515	7.93793	chromosome 12 open reading frame 43 [Source:HGNC Symbol;Ac	chr12:1214	NM_00128	XM_01153	.	.	NP_00127	XP_016875	protein_co	ENSG0000	64897	25719
C12orf45	15.399	17.98	16.0748	23.9142	18.9752	15.0109	chromosome 12 open reading frame 45 [Source:HGNC Symbol;Ac	chr12:1053	NM_15231	.	.	.	NP_68953	.	protein_co	ENSG0000	121053	28628
C12orf49	11.6109	14.2872	14.627	15.3452	15.1174	10.611	chromosome 12 open reading frame 49 [Source:HGNC Symbol;Ac	chr12:1171	NM_02473	.	.	.	NP_07901	.	protein_co	ENSG0000	79794	26128
C12orf50	0	0.138039	0	0	0	0	chromosome 12 open reading frame 50 [Source:HGNC Symbol;Ac	chr12:8837	NM_15258	XM_01701	.	.	NP_68980	XP_016874	protein_co	ENSG0000	160419	26665
C12orf54	0	0	0	0	0	0	chromosome 12 open reading frame 54 [Source:HGNC Symbol;Ac	chr12:4887	NM_15231	XM_00526	.	.	NP_68953	XP_005268	protein_co	ENSG0000	121273	28553
C12orf56	0	0	0.023267	0	0	0	chromosome 12 open reading frame 56 [Source:HGNC Symbol;Ac	chr12:6465	NM_00109	XM_01153	.	.	NP_00109	.	protein_co	ENSG0000	115749	26967
C12orf57	282.714	268.194	209.642	324.187	227.803	237.091	chromosome 12 open reading frame 57 [Source:HGNC Symbol;Ac	chr12:7052	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	113246	29521
C12orf60	3.48781	2.77132	3.29489	3.9138	3.59283	3.74941	chromosome 12 open reading frame 60 [Source:HGNC Symbol;Ac	chr12:1495	NM_17587	XM_01152	.	.	NP_78707	XP_005253	protein_co	ENSG0000	144608	28726
C12orf65	16.4071	15.4789	12.9293	15.0626	15.1566	18.0802	chromosome 12 open reading frame 65 [Source:HGNC Symbol;Ac	chr12:1236	NM_00114	XM_01153	.	.	NP_00113	XP_005253	protein_co	ENSG0000	91574	26784
C12orf66	6.52467	6.86255	8.40416	5.40358	7.69258	8.62778	chromosome 12 open reading frame 66 [Source:HGNC Symbol;Ac	chr12:6458	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	144577	26517
C12orf71	0	0	0	0	0	0.081932	chromosome 12 open reading frame 71 [Source:HGNC Symbol;Ac	chr12:2723	NM_00108	XM_01152	.	.	NP_00107	XP_011519	protein_co	ENSG0000	728858	34452
C12orf73	16.8794	20.6892	13.3902	17.8164	15.585	15.6988	chromosome 12 open reading frame 73 [Source:HGNC Symbol;Ac	chr12:1043	NM_00113	.	.	.	NP_00112	XP_016875	protein_co	ENSG0000	728568	34450
C12orf74	0	0	0	0	0	0	chromosome 12 open reading frame 74 [Source:HGNC Symbol;Ac	chr12:9309	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	338809	27887
C12orf75	49.4741	50.9464	48.4895	60.0434	59.151	65.1276	chromosome 12 open reading frame 75 [Source:HGNC Symbol;Ac	chr12:1057	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	387882	35164
C12orf76	7.62823	8.10174	5.82342	7.09589	8.3093	6.10967	chromosome 12 open reading frame 76 [Source:HGNC Symbol;Ac	chr12:1104	NM_20743	XM_01153	.	.	NP_99731	XP_011536	protein_co	ENSG0000	400073	33790
C14orf1	18.742	18.9736	20.2307	22.5473	19.769	22.0302	chromosome 14 open reading frame 1 [Source:HGNC Symbol;Acc	chr14:7604	NM_00717	.	.	.	NP_00910	.	protein_co	ENSG0000	11161	1187
C14orf105	0	0.023152	0.018829	0	0.023702	0.021009	chromosome 14 open reading frame 105 [Source:HGNC Symbol;A	chr14:5793	NM_00128	XM_00672	.	.	NP_00126	XP_005267	protein_co	ENSG0000	55195	20189
C14orf119	60.1916	56.0807	61.0398	60.2954	54.3897	60.3367	chromosome 14 open reading frame 119 [Source:HGNC Symbol;A	chr14:2352	NM_01792	.	.	.	NP_06039	XP_016876	protein_co	ENSG0000	55017	20270
C14orf132	2.40763	2.16101	2.98838	3.83469	2.16566	2.4954	chromosome 14 open reading frame 132 [Source:HGNC Symbol;A	chr14:9650	NM_00125	.	.	.	NP_00123	XP_016876	protein_co	ENSG0000	56967	20346
C14orf142	9.97731	9.24655	9.12204	12.5758	16.2368	11.2159	GON7, KEOPS complex subunit homolog [Source:HGNC Symbol;A	chr14:9365	NM_03249	.	.	.	NP_11587	.	protein_co	ENSG0000	84520	20356

C14orf144	0	0.046114	0.039439	0	0	0	chromosome 14 open reading frame 144 [Source:HGNC Symbol;A	chr14:1047	.	.	.	.	.	.	protein_co	ENSG0000	.	20358
C14orf159	12.4113	12.2687	14.1648	11.0131	9.51281	10.0487	chromosome 14 open reading frame 159 [Source:HGNC Symbol;A	chr14:9158	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	80017	20498
C14orf166	102.49	88.1129	95.8863	100.502	109.726	113.27	chromosome 14 open reading frame 166 [Source:HGNC Symbol;A	chr14:5245	NM_01603	.	.	.	NP_05712	.	protein_co	ENSG0000	51637	23169
C14orf169	3.95159	3.47711	3.58729	4.40207	4.35205	3.38386	chromosome 14 open reading frame 169 [Source:HGNC Symbol;A	chr14:7394	NM_02464	.	.	.	NP_07892	.	protein_co	ENSG0000	79697	20968
C14orf177	0	0	0	0	0	0	chromosome 14 open reading frame 177 [Source:HGNC Symbol;A	chr14:9917	NM_18256	.	.	.	NP_87236	.	protein_co	ENSG0000	283598	26375
C14orf178	0	0	0.036329	0	0	0	chromosome 14 open reading frame 178 [Source:HGNC Symbol;A	chr14:7817	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	283579	26385
C14orf180	0	0	0	0	0	0	chromosome 14 open reading frame 180 [Source:HGNC Symbol;A	chr14:1050	NM_00100	XM_01153	.	.	NP_00100	XP_005267	protein_co	ENSG0000	400258	33795
C14orf2	191.57	145.231	157.755	228.093	180.907	177.531	chromosome 14 open reading frame 2 [Source:HGNC Symbol;Acc	chr14:1043	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	9556	1188
C14orf28	1.57199	1.48455	1.81792	0.93289	0.848335	2.20992	chromosome 14 open reading frame 28 [Source:HGNC Symbol;Ac	chr14:4536	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	122525	19834
C14orf37	0.373539	0.286257	0.516557	0.49219	0.392509	0.587078	chromosome 14 open reading frame 37 [Source:HGNC Symbol;Ac	chr14:5846	NM_00100	.	.	.	NP_00100	XP_016876	protein_co	ENSG0000	145407	19846
C14orf39	0	0	0	0	0	0	chromosome 14 open reading frame 39 [Source:HGNC Symbol;Ac	chr14:6090	NM_17497	XM_01702	.	.	NP_77763	XP_011534	protein_co	ENSG0000	317761	19849
C14orf79	8.66968	8.82078	11.084	7.937	7.28428	7.72239	chromosome 14 open reading frame 79 [Source:HGNC Symbol;Ac	chr14:1054	NM_17489	.	.	.	NP_77755	.	protein_co	ENSG0000	122616	20126
C14orf80	21.9367	23.1427	20.1109	28.0918	21.5194	16.7984	chromosome 14 open reading frame 80 [Source:HGNC Symbol;Ac	chr14:1059	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	283643	20127
C14orf93	6.91707	5.04303	5.62972	5.5719	5.00903	4.312	chromosome 14 open reading frame 93 [Source:HGNC Symbol;Ac	chr14:2345	NM_00113	XM_01153	.	.	NP_00112	XP_005268	protein_co	ENSG0000	60686	20162
C15ORF31	0	0	0	0	0	0	.	chr15:5942	.	.	.	.	.	.	protein_co	ENSG0000	.	
C15ORF37	1.22645	0.821218	1.36449	1.49215	1.42483	0.924409	C15orf37 protein; Uncharacterized protein [Source:UniProtKB/T	chr15:8013	.	.	.	.	.	.	protein_co	ENSG0000	.	.
C15orf38-AP3S2	6.78056	4.79382	5.66089	7.52846	6.99824	4.78907	C15orf38-AP3S2 readthrough [Source:HGNC Symbol;Acc:HGNC:3	chr15:9037	NM_00119	.	.	.	NP_00118	XP_005254	protein_co	ENSG0000	10052678	38824
C15orf39	12.6585	13.3847	11.6544	13.097	11.2035	9.197	chromosome 15 open reading frame 39 [Source:HGNC Symbol;Ac	chr15:7549	NM_01549	XM_01152	.	.	NP_05630	XP_005254	protein_co	ENSG0000	56905	24497
C15orf40	14.5274	13.8021	11.7251	14.5431	10.8901	12.1973	chromosome 15 open reading frame 40 [Source:HGNC Symbol;Ac	chr15:8365	NM_00116	.	NR_02764	.	NP_00115	XP_011519	protein_co	ENSG0000	123207	28443
C15orf41	4.54105	4.31785	4.6079	4.04447	2.76389	3.82629	chromosome 15 open reading frame 41 [Source:HGNC Symbol;Ac	chr15:3687	NM_00113	XM_01152	.	.	NP_00112	XP_011520	protein_co	ENSG0000	84529	26929
C15orf48	0	0.594147	0.495569	0.577396	0.567502	0.571175	chromosome 15 open reading frame 48 [Source:HGNC Symbol;Ac	chr15:4572	NM_03241	.	NR_03059	.	NP_11578	.	protein_co	ENSG0000	10012631	29898
C15orf52	4.4331	4.17505	5.96951	1.41923	1.66752	2.17167	chromosome 15 open reading frame 52 [Source:HGNC Symbol;Ac	chr15:4062	NM_20738	.	.	.	NP_99726	.	protein_co	ENSG0000	388115	33488
C15orf53	0	0	0	0	0	0	chromosome 15 open reading frame 53 [Source:HGNC Symbol;Ac	chr15:3898	NM_20744	.	.	.	NP_99732	.	protein_co	ENSG0000	400359	33796
C15orf57	11.5185	9.0526	11.388	11.9946	11.4382	9.62309	chromosome 15 open reading frame 57 [Source:HGNC Symbol;Ac	chr15:4082	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	90416	28295
C15orf59	1.5084	1.05198	1.11384	0.247685	0.647781	0.560909	chromosome 15 open reading frame 59 [Source:HGNC Symbol;Ac	chr15:7402	NM_00103	XM_00525	.	.	NP_00103	XP_005254	protein_co	ENSG0000	388135	33753
C15orf61	3.81839	3.56732	2.86545	2.81767	2.92188	2.64246	chromosome 15 open reading frame 61 [Source:HGNC Symbol;Ac	chr15:6781	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	145853	34453
C15orf62	0.199049	0.170221	0.494463	0.245279	0.098313	0.216267	chromosome 15 open reading frame 62 [Source:HGNC Symbol;Ac	chr15:4105	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	643338	34489
C15orf65	1.67032	0.888979	0.965528	0.948711	0.764709	1.36751	chromosome 15 open reading frame 65 [Source:HGNC Symbol;Ac	chr15:5570	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	145788	44654
C16orf13	53.3176	57.4886	51.9266	61.2703	35.4073	32.4592	methyltransferase like 26 [Source:HGNC Symbol;Acc:HGNC:1414	chr16:6844	NM_00104	XM_01152	.	.	NP_00103	XP_011521	protein_co	ENSG0000	84326	14141
C16orf45	14.8847	15.34	14.2187	8.27696	7.76304	8.3334	chromosome 16 open reading frame 45 [Source:HGNC Symbol;Ac	chr16:1552	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	89927	19213
C16orf46	4.60944	3.24359	3.59316	3.8354	3.95296	3.89804	chromosome 16 open reading frame 46 [Source:HGNC Symbol;Ac	chr16:8108	NM_00110	XM_01152	.	.	NP_00109	XP_005255	protein_co	ENSG0000	123775	26525
C16orf52	8.72857	9.71893	15.6718	8.23697	8.47772	12.1479	chromosome 16 open reading frame 52 [Source:HGNC Symbol;Ac	chr16:2201	NM_00116	.	.	.	NP_00115	XP_006726	protein_co	ENSG0000	10272513	27087
C16orf54	0	0	0	0	0	0	chromosome 16 open reading frame 54 [Source:HGNC Symbol;Ac	chr16:2975	NM_17590	XM_01150	.	.	NP_78709	XP_011506	protein_co	ENSG0000	10536927	26649
C16orf58	29.9076	29.1274	28.2118	29.1962	25.0051	26.2853	chromosome 16 open reading frame 58 [Source:HGNC Symbol;Ac	chr16:3149	NM_02274	.	.	.	NP_07358	.	protein_co	ENSG0000	64755	25848
C16orf59	18.3322	16.3392	14.4414	17.7139	13.0373	10.2922	chromosome 16 open reading frame 59 [Source:HGNC Symbol;Ac	chr16:2510	NM_02510	XM_01152	.	.	NP_07938	XP_011520	protein_co	ENSG0000	80178	25849
C16orf62	7.84175	8.03829	7.193	7.56503	6.88301	6.95682	chromosome 16 open reading frame 62 [Source:HGNC Symbol;Ac	chr16:1956	NM_00130	XM_01154	.	.	NP_00128	XP_005255	protein_co	ENSG0000	57020	24641
C16orf70	12.7095	13.8319	13.5547	12.8289	14.6636	10.401	chromosome 16 open reading frame 70 [Source:HGNC Symbol;Ac	chr16:6714	NM_00132	XM_01152	.	.	NP_00130	XP_005256	protein_co	ENSG0000	80262	29564
C16orf71	0.182427	0.289996	0.185988	0.194865	0.121171	0.148577	chromosome 16 open reading frame 71 [Source:HGNC Symbol;Ac	chr16:4746	NM_13917	XM_00525	.	.	NP_63190	XP_005255	protein_co	ENSG0000	146562	25081
C16orf72	11.4822	11.8993	10.968	10.8064	12.7891	15.1294	chromosome 16 open reading frame 72 [Source:HGNC Symbol;Ac	chr16:9185	NM_01411	.	.	.	NP_05483	.	protein_co	ENSG0000	29035	30103
C16orf74	29.6151	28.0359	27.1049	31.4463	23.0986	17.3155	chromosome 16 open reading frame 74 [Source:HGNC Symbol;Ac	chr16:8572	NM_20696	XM_00672	.	.	NP_99685	XP_006721	protein_co	ENSG0000	404550	23362
C16orf78	0	0	0	0	0	0	chromosome 16 open reading frame 78 [Source:HGNC Symbol;Ac	chr16:4940	NM_14460	.	.	.	NP_65320	.	protein_co	ENSG0000	123970	28479
C16orf82	0	0	0	0	0	0	chromosome 16 open reading frame 82 [Source:HGNC Symbol;Ac	chr16:2707	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	162083	30755
C16orf86	0.13798	0	0.118491	0.072697	0	0.078342	chromosome 16 open reading frame 86 [Source:HGNC Symbol;Ac	chr16:6770	NM_00101	XM_00525	.	.	NP_00101	XP_005256	protein_co	ENSG0000	388284	33755
C16orf87	8.40433	8.96459	9.98868	10.0221	12.2619	12.0034	chromosome 16 open reading frame 87 [Source:HGNC Symbol;Ac	chr16:4683	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	388272	33754
C16orf89	0	0	0	0	0.058487	0	chromosome 16 open reading frame 89 [Source:HGNC Symbol;Ac	chr16:5083	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	146556	28687
C16orf90	0	0	0	0	0	0	chromosome 16 open reading frame 90 [Source:HGNC Symbol;Ac	chr16:3543	NM_00108	XM_00525	.	.	NP_00107	XP_005255	protein_co	ENSG0000	646174	34455
C16orf91	31.6749	31.446	26.428	33.9232	28.1777	19.5277	chromosome 16 open reading frame 91 [Source:HGNC Symbol;Ac	chr16:1469	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	283951	27558
C16orf92	0	0	0	0	0	0	chromosome 16 open reading frame 92 [Source:HGNC Symbol;Ac	chr16:3003	NM_00110	.	.	.	NP_00110	.	protein_co	ENSG0000	146378	26346
C16orf95	5.31648	5.39006	6.62008	6.38527	4.35905	5.9293	chromosome 16 open reading frame 95 [Source:HGNC Symbol;Ac	chr16:8733	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	10050658	40033
C16orf96	0	0	0	0	0	0.018342	chromosome 16 open reading frame 96 [Source:HGNC Symbol;Ac	chr16:4606	NM_00114	XM_01152	.	.	NP_00113	XP_005255	protein_co	ENSG0000	342346	40031
C17orf105	0.039262	0.041332	0.068245	0.022089	0.021957	0.078884	chromosome 17 open reading frame 105 [Source:HGNC Symbol;A	chr17:4185	NM_00113	XM_01152	.	.	NP_00112	XP_011522	protein_co	ENSG0000	284067	37241
C17orf107	0.453868	0.570494	0.787224	0.458351	0.594518	0.560043	chromosome 17 open reading frame 107 [Source:HGNC Symbol;A	chr17:4736	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	10013031	37238
C17orf47	0	0	0	0	0	0	chromosome 17 open reading frame 47 [Source:HGNC Symbol;Ac	chr17:5661	NM_00103	.	.	.	NP_00103	XP_011522	protein_co	ENSG0000	284083	26844
C17orf49	54.9449	50.7269	46.0487	55.5555	42.2856	50.1337	chromosome 17 open reading frame 49 [Source:HGNC Symbol;Ac	chr17:6915	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	124944	28737
C17orf50	0.229776	0	0.112243	0	0.157651	0	chromosome 17 open reading frame 50 [Source:HGNC Symbol;Ac	chr17:3408	NM_14527	XM_00525	.	.	NP_66031	XP_005257	protein_co	ENSG0000	146853	29581
C17orf51	3.51693	4.02539	3.51473	4.22063	3.57617	2.67436	chromosome 17 open reading frame 51 [Source:HGNC Symbol;Ac	chr17:2143	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	339263	27904
C17orf53	5.17947	6.82357	4.71287	4.72657	3.67193	3.09679	chromosome 17 open reading frame 53 [Source:HGNC Symbol;Ac	chr17:4221	NM_00117	XM_01702	.	.	NP_00116	XP_011523	protein_co	ENSG0000	78995	28460
C17orf58	30.3497	28.6503	30.4023	29.9125	28.6604	28.3973	chromosome 17 open reading frame 58 [Source:HGNC Symbol;Ac	chr17:6598	NM_18165	.	.	.	NP_85804	.	protein_co	ENSG0000	284018	27568
C17orf62	34.6853	34.5252	33.9557	35.0364	30.4236	30.0144	chromosome 17 open reading frame 62 [Source:HGNC Symbol;Ac	chr17:8034	NM_00103	XM_01152	NR_03651	.	NP_00102	XP_006722	protein_co	ENSG0000	79415	28672

C17orf64	0.076925	0	0	0	0.088976	0	chromosome 17 open reading frame 64 [Source:HGNC Symbol;Ac	chr17:5849	NM_18170	XM_00525	.	.	NP_85905	XP_005257	protein_co	ENSG0000	124773	26990
C17orf67	0.494942	0.743725	0.498591	0.633746	0.432253	0.6317	chromosome 17 open reading frame 67 [Source:HGNC Symbol;Ac	chr17:5486	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	339210	27900
C17orf74	0	0.068845	0	0.056854	0	0	chromosome 17 open reading frame 74 [Source:HGNC Symbol;Ac	chr17:7328	NM_17573	.	.	.	NP_78386	.	protein_co	ENSG0000	201243	27315
C17orf75	9.7122	8.67286	8.69701	10.2433	11.3662	11.3177	chromosome 17 open reading frame 75 [Source:HGNC Symbol;Ac	chr17:3065	NM_02234	XM_01702	.	.	NP_07173	XP_005258	protein_co	ENSG0000	64149	30173
C17orf78	0	0	0	0	0	0	chromosome 17 open reading frame 78 [Source:HGNC Symbol;Ac	chr17:3544	NM_00132	XM_01152	.	.	NP_00130	XP_011522	protein_co	ENSG0000	284099	26831
C17orf80	18.3579	17.5863	17.843	17.395	18.9321	16.3524	chromosome 17 open reading frame 80 [Source:HGNC Symbol;Ac	chr17:7118	NM_00110	XM_01702	.	.	NP_00109	XP_005257	protein_co	ENSG0000	55028	29601
C17orf89	167.084	149.882	137.365	173.685	129.758	108.459	chromosome 17 open reading frame 89 [Source:HGNC Symbol;Ac	chr17:7921	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	284184	33551
C17orf96	23.1041	24.5392	26.9337	34.7601	28.4438	23.4609	chromosome 17 open reading frame 96 [Source:HGNC Symbol;Ac	chr17:3682	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	100170841	34493
C17orf97	2.49769	2.24218	1.92996	2.12044	1.44242	1.62347	chromosome 17 open reading frame 97 [Source:HGNC Symbol;Ac	chr17:2601	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	400566	33800
C17orf98	0	0	0	0	0	0	chromosome 17 open reading frame 98 [Source:HGNC Symbol;Ac	chr17:3699	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	388381	34492
C17orf99	0	0	0	0	0.086324	0	chromosome 17 open reading frame 99 [Source:HGNC Symbol;Ac	chr17:7614	NM_00116	.	.	.	NP_00115	XP_011522	protein_co	ENSG0000	100141515	34490
C18orf21	17.9082	18.5181	16.2357	21.0417	16.6393	13.4101	chromosome 18 open reading frame 21 [Source:HGNC Symbol;Ac	chr18:3355	NM_00120	XM_00525	.	.	NP_00118	XP_005258	protein_co	ENSG0000	83608	28802
C18orf25	14.2097	14.1383	15.1892	12.836	15.8526	14.5574	chromosome 18 open reading frame 25 [Source:HGNC Symbol;Ac	chr18:4375	NM_00100	XM_01702	.	.	NP_00100	XP_011524	protein_co	ENSG0000	147339	28172
C18orf32	29.4504	28.3117	33.6095	31.0916	32.5575	43.9747	chromosome 18 open reading frame 32 [Source:HGNC Symbol;Ac	chr18:4700	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	497661	31690
C18orf54	3.10507	3.35177	2.8085	3.26939	4.08692	3.66236	chromosome 18 open reading frame 54 [Source:HGNC Symbol;Ac	chr18:5185	NM_00128	XM_01152	.	.	NP_00127	XP_005258	protein_co	ENSG0000	162681	13796
C18orf63	0	0	0	0	0	0	chromosome 18 open reading frame 63 [Source:HGNC Symbol;Ac	chr18:7198	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	644041	40037
C18orf8	13.682	15.0774	15.4924	14.3263	13.3879	14.8599	chromosome 18 open reading frame 8 [Source:HGNC Symbol;Acc	chr18:2108	NM_00127	XM_01152	.	.	NP_00126	XP_011524	protein_co	ENSG0000	29919	24326
C19orf12	9.65588	9.41664	8.90415	8.51871	9.63682	8.95581	chromosome 19 open reading frame 12 [Source:HGNC Symbol;Ac	chr19:3018	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	83636	25443
C19orf18	0	0	0	0	0	0	chromosome 19 open reading frame 18 [Source:HGNC Symbol;Ac	chr19:5846	NM_15247	.	.	.	NP_68968	.	protein_co	ENSG0000	147685	28642
C19orf24	49.9558	49.298	42.9635	58.154	39.0488	34.2744	chromosome 19 open reading frame 24 [Source:HGNC Symbol;Ac	chr19:1275	NM_01791	.	.	.	NP_06038	.	protein_co	ENSG0000	55009	26073
C19orf25	44.2182	43.3737	37.9563	42.0399	33.8483	26.983	chromosome 19 open reading frame 25 [Source:HGNC Symbol;Ac	chr19:1450	NM_15248	XM_00672	.	.	NP_68969	XP_005259	protein_co	ENSG0000	148223	26711
C19orf33	172.11	147.23	102.542	156.419	104.404	81.3042	chromosome 19 open reading frame 33 [Source:HGNC Symbol;Ac	chr19:3875	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	64073	16668
C19orf35	0	0	0	0	0	0	chromosome 19 open reading frame 35 [Source:HGNC Symbol;Ac	chr19:2274	NM_19853	.	.	.	NP_94093	.	protein_co	ENSG0000	374872	24793
C19orf38	0.167281	0.368337	0.302567	0.435435	0.095279	0.679124	chromosome 19 open reading frame 38 [Source:HGNC Symbol;Ac	chr19:1094	NM_00113	XM_00525	.	.	NP_00112	XP_005259	protein_co	ENSG0000	255809	34073
C19orf43	159.911	155.282	132.276	197.804	142.58	147.399	chromosome 19 open reading frame 43 [Source:HGNC Symbol;Ac	chr19:1284	NM_02403	.	.	.	NP_07694	.	protein_co	ENSG0000	79002	28424
C19orf44	3.7117	4.75364	3.31701	2.88383	3.38502	3.29018	chromosome 19 open reading frame 44 [Source:HGNC Symbol;Ac	chr19:1660	NM_00128	XM_01152	.	.	NP_00127	XP_006722	protein_co	ENSG0000	84167	26141
C19orf45	0.342293	0.167526	0.292368	0.183657	0.1334	0.126929	chromosome 19 open reading frame 45 [Source:HGNC Symbol;Ac	chr19:7562	NM_19853	XM_01152	.	.	NP_94093	XP_005272	protein_co	ENSG0000	374877	24745
C19orf47	8.91455	8.09051	8.73222	10.7146	9.66047	6.98497	chromosome 19 open reading frame 47 [Source:HGNC Symbol;Ac	chr19:4082	NM_00125	XM_01702	.	.	NP_00124	XP_005258	protein_co	ENSG0000	126526	26723
C19orf48	145.733	144.402	115.421	146.972	118.659	93.7502	chromosome 19 open reading frame 48 [Source:HGNC Symbol;Ac	chr19:5130	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	84798	29667
C19orf52	15.0967	16.54	17.1314	19.0127	17.286	17.5928	chromosome 19 open reading frame 52 [Source:HGNC Symbol;Ac	chr19:1103	NM_13835	.	.	.	NP_61236	.	protein_co	ENSG0000	90580	25152
C19orf53	108.632	98.438	101.95	131.043	91.4896	75.4999	chromosome 19 open reading frame 53 [Source:HGNC Symbol;Ac	chr19:1387	NM_01404	.	.	.	NP_05476	.	protein_co	ENSG0000	28974	24991
C19orf54	6.73194	7.15584	6.14469	7.2487	6.95589	7.53955	chromosome 19 open reading frame 54 [Source:HGNC Symbol;Ac	chr19:4122	NM_19847	XM_01702	.	.	NP_94087	XP_005258	protein_co	ENSG0000	284325	24758
C19orf57	0.63297	0.718946	0.23438	0.461664	0.539912	0.415876	chromosome 19 open reading frame 57 [Source:HGNC Symbol;Ac	chr19:1399	NM_02432	XM_00672	.	.	NP_07729	XP_006722	protein_co	ENSG0000	79173	28153
C19orf60	54.096	52.6837	45.0443	45.7829	35.0857	40.0827	chromosome 19 open reading frame 60 [Source:HGNC Symbol;Ac	chr19:1869	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	55049	26098
C19orf66	10.1184	10.7172	12.7784	4.98926	5.73784	5.22349	chromosome 19 open reading frame 66 [Source:HGNC Symbol;Ac	chr19:1019	NM_00130	XM_01702	.	.	NP_00129	XP_011526	protein_co	ENSG0000	55337	25649
C19orf67	0	0	0	0	0	0	chromosome 19 open reading frame 67 [Source:HGNC Symbol;Ac	chr19:1419	NM_00127	XM_01152	.	.	NP_00126	XP_011526	protein_co	ENSG0000	646457	34354
C19orf68	4.65449	4.09466	4.76607	4.92041	4.59252	3.97671	chromosome 19 open reading frame 68 [Source:HGNC Symbol;Ac	chr19:4867	NM_19934	XM_01152	.	.	NP_95537	XP_005259	protein_co	ENSG0000	374920	34495
C19orf70	57.4498	55.185	55.6132	50.1004	41.3947	36.5121	chromosome 19 open reading frame 70 [Source:HGNC Symbol;Ac	chr19:5674	NM_00130	XM_01152	.	.	NP_00129	XP_011525	protein_co	ENSG0000	125988	33702
C19orf71	0	0.577499	0	0	0.356361	0.170197	chromosome 19 open reading frame 71 [Source:HGNC Symbol;Ac	chr19:3539	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	100128569	34496
C19orf73	3.3836	1.46891	1.76141	2.63533	1.30983	1.87406	chromosome 19 open reading frame 73 [Source:HGNC Symbol;Ac	chr19:4961	NM_01811	.	.	.	NP_06058	.	protein_co	ENSG0000	55150	25534
C19orf81	1.90338	4.6419	2.1277	5.10668	1.89415	3.82103	chromosome 19 open reading frame 81 [Source:HGNC Symbol;Ac	chr19:5115	NM_00119	XM_01152	.	.	NP_00118	.	protein_co	ENSG0000	342918	40041
C19orf84	0.126729	0.063164	0.054811	0.119333	0	0.18099	chromosome 19 open reading frame 84 [Source:HGNC Symbol;Ac	chr19:5189	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	147646	27112
C1D	23.5061	24.6758	24.712	29.8037	33.5824	31.7551	C1D nuclear receptor corepressor [Source:HGNC Symbol;Acc:HGN	chr2:68268	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	10438	29911
C1GALT1	16.1886	12.7258	13.4045	9.99102	13.1711	15.562	core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-gala	chr7:72222	NM_02015	XM_01701	.	.	NP_06454	XP_005249	protein_co	ENSG0000	56913	24337
C1GALT1C1	18.73	18.1428	20.1087	17.9931	20.0193	19.4656	C1GALT1 specific chaperone 1 [Source:HGNC Symbol;Acc:HGNC:2	chrX:11975	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	29071	24338
C1GALT1C1L	0.380101	0.203365	0.166493	0.795997	0	0.556751	C1GALT1-specific chaperone 1 like [Source:HGNC Symbol;Acc:HG	chr2:43864	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	728819	51617
C1orf100	0	0	0	0	0	0	chromosome 1 open reading frame 100 [Source:HGNC Symbol;Ac	chr1:24451	NM_00101	XM_01154	.	.	NP_00101	XP_011542	protein_co	ENSG0000	200159	30435
C1orf101	0.076912	0.055497	0.090145	0.058915	0.057123	0.049598	chromosome 1 open reading frame 101 [Source:HGNC Symbol;Ac	chr1:24462	NM_00113	XM_01700	.	.	NP_00112	XP_011542	protein_co	ENSG0000	257044	28491
C1orf105	0.08106	0.083998	0	0	0	0	chromosome 1 open reading frame 105 [Source:HGNC Symbol;Ac	chr1:17238	NM_00130	XM_01151	.	.	NP_00128	XP_005245	protein_co	ENSG0000	92346	29591
C1orf106	4.46977	5.67555	4.20781	4.57504	4.85214	4.48824	chromosome 1 open reading frame 106 [Source:HGNC Symbol;Ac	chr1:20086	NM_00114	XM_01150	.	.	NP_00113	XP_011508	protein_co	ENSG0000	55765	25599
C1orf109	27.5038	27.2848	24.1883	31.9521	28.3402	20.8511	chromosome 1 open reading frame 109 [Source:HGNC Symbol;Ac	chr1:38147	NM_00130	XM_01700	.	.	NP_00128	XP_005271	protein_co	ENSG0000	54955	26039
C1orf111	0	0	0	0	0	0	chromosome 1 open reading frame 111 [Source:HGNC Symbol;Ac	chr1:16234	NM_18258	XM_01150	.	.	NP_87238	XP_011507	protein_co	ENSG0000	284680	27648
C1orf112	10.3924	11.5113	10.7995	13.8596	14.4351	11.6787	chromosome 1 open reading frame 112 [Source:HGNC Symbol;Ac	chr1:16976	NM_00132	XM_01150	.	.	NP_00130	XP_005245	protein_co	ENSG0000	55732	25565
C1orf115	13.2612	13.7573	14.9292	13.4321	12.7661	14.4368	chromosome 1 open reading frame 115 [Source:HGNC Symbol;Ac	chr1:22086	NM_02470	.	.	.	NP_07898	.	protein_co	ENSG0000	79762	25873
C1orf116	1.2384	1.2427	1.20493	0.822562	0.994835	0.869715	chromosome 1 open reading frame 116 [Source:HGNC Symbol;Ac	chr1:20719	NM_00108	XM_01150	.	.	NP_00107	XP_005273	protein_co	ENSG0000	79098	28667
C1orf122	64.2461	59.2263	51.5407	69.9536	47.4523	47.4954	chromosome 1 open reading frame 122 [Source:HGNC Symbol;Ac	chr1:38268	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	127687	24789
C1orf123	21.3933	16.9694	19.7306	23.1827	19.9709	19.4938	chromosome 1 open reading frame 123 [Source:HGNC Symbol;Ac	chr1:53662	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	54987	26059
C1orf127	0.026637	0.02653	0.045889	0.028617	0.030632	0.02919	chromosome 1 open reading frame 127 [Source:HGNC Symbol;Ac	chr1:11006	NM_00117	XM_01154	.	.	NP_00116	.	protein_co	ENSG0000	148345	26730
C1orf131	12.4595	11.0345	16.1573	12.5031	11.7078	9.29988	chromosome 1 open reading frame 131 [Source:HGNC Symbol;Ac	chr1:23135	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	128061	25332

C1orf134	2.0201	1.05459	2.66116	4.48485	0	0	chromosome 1 open reading frame 134 [Source:HGNC Symbol;Ac	chr1:16555	.	.	.	.	.	.	protein_co	ENSG0000(	.	32021
C1orf141	0	0	0	0	0	0	chromosome 1 open reading frame 141 [Source:HGNC Symbol;Ac	chr1:67557	NM_00127	XM_01154	.	.	NP_00126	XP_011539	protein_co	ENSG0000(	400757	32044
C1orf145	0.115628	0.359745	0.397928	0	0.129202	0.709647	chromosome 1 open reading frame 145 [Source:HGNC Symbol;Ac	chr1:22839	.	.	.	.	.	.	protein_co	ENSG0000(	.	32047
C1orf146	0	0	0	0	0	0	chromosome 1 open reading frame 146 [Source:HGNC Symbol;Ac	chr1:92683	NM_00101	XM_01154	.	.	NP_00101	XP_011539	protein_co	ENSG0000(	388649	24032
C1orf158	0	0	0	0	0	0	chromosome 1 open reading frame 158 [Source:HGNC Symbol;Ac	chr1:12806	NM_15229	XM_01154	.	.	NP_68950	XP_011540	protein_co	ENSG0000(	93190	28567
C1orf159	11.3104	11.065	9.48613	10.7291	10.3745	8.74029	chromosome 1 open reading frame 159 [Source:HGNC Symbol;Ac	chr1:10171	NM_01789	XM_01154	.	.	NP_06036	XP_005244	protein_co	ENSG0000(	54991	26062
C1orf162	0.078523	0.526451	0.258423	0.352894	0.221064	0.299927	chromosome 1 open reading frame 162 [Source:HGNC Symbol;Ac	chr1:11201	NM_00130	XM_01154	.	.	NP_00128	XP_011539	protein_co	ENSG0000(	128346	28344
C1orf167	0.050719	0.032772	0.072718	0.017868	0	0.019162	chromosome 1 open reading frame 167 [Source:HGNC Symbol;Ac	chr1:11821	NM_00101	XM_01154	.	.	NP_00101	XP_011539	protein_co	ENSG0000(	.	25262
C1orf168	0	0	0	0	0	0	chromosome 1 open reading frame 168 [Source:HGNC Symbol;Ac	chr1:57184	NM_00100	XM_01700	.	.	NP_00100	XP_011539	protein_co	ENSG0000(	199920	27295
C1orf174	24.3967	23.3644	20.5867	25.4993	23.0418	17.606	chromosome 1 open reading frame 174 [Source:HGNC Symbol;Ac	chr1:38056	NM_20735	.	.	.	NP_99723	.	protein_co	ENSG0000(	339448	27915
C1orf185	0	0	0	0	0	0	chromosome 1 open reading frame 185 [Source:HGNC Symbol;Ac	chr1:51567	NM_00113	XM_01154	.	.	NP_00112	XP_011539	protein_co	ENSG0000(	284546	28096
C1orf186	0	0	0	0	0	0	chromosome 1 open reading frame 186 [Source:HGNC Symbol;Ac	chr1:20623	NM_00100	XM_00527	.	.	NP_00100	XP_005272	protein_co	ENSG0000(	440712	25341
C1orf189	0	0.290227	0	0	0	0	chromosome 1 open reading frame 189 [Source:HGNC Symbol;Ac	chr1:15417	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000(	388701	32305
C1orf194	0	0	0	0	0	0	chromosome 1 open reading frame 194 [Source:HGNC Symbol;Ac	chr1:10964	NM_00112	XM_01154	.	.	NP_00111	XP_006710	protein_co	ENSG0000(	127003	32331
C1orf198	17.7891	18.1151	18.6402	20.7848	20.0445	18.8833	chromosome 1 open reading frame 198 [Source:HGNC Symbol;Ac	chr1:23097	NM_00113	.	.	.	NP_00112	XP_016858	protein_co	ENSG0000(	84886	25900
C1orf204	0.739087	0.54625	1.18049	0.54027	0.403551	0.646904	chromosome 1 open reading frame 204 [Source:HGNC Symbol;Ac	chr1:15979	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000(	284677	27647
C1orf21	1.69907	1.36775	1.5984	1.53748	1.71655	1.49559	chromosome 1 open reading frame 21 [Source:HGNC Symbol;Acc	chr1:18435	NM_03080	.	.	.	NP_11043	.	protein_co	ENSG0000(	81563	15494
C1orf210	6.376	7.59957	6.76362	5.51894	4.86101	6.18742	chromosome 1 open reading frame 210 [Source:HGNC Symbol;Ac	chr1:43747	NM_00116	XM_01154	.	.	NP_00115	XP_011539	protein_co	ENSG0000(	149466	28755
C1orf216	12.2989	12.0244	10.7189	11.3879	11.3998	8.76674	chromosome 1 open reading frame 216 [Source:HGNC Symbol;Ac	chr1:36179	NM_15237	XM_01154	.	.	NP_68958	XP_011538	protein_co	ENSG0000(	127703	26800
C1ORF220	0.034247	0.035508	0.029653	0.150919	0.038539	0.035196	chromosome 1 open reading frame 220 [Source:HGNC Symbol;Ac	chr1:17851	.	.	NR_03318	.	.	.	lincRNA	ENSG0000(	400798	33805
C1orf226	3.87251	4.16752	4.47936	6.22123	6.05314	9.01488	chromosome 1 open reading frame 226 [Source:HGNC Symbol;Ac	chr1:16234	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000(	400793	34351
C1orf228	0.044775	0.318865	0.44947	0.098313	0.153214	0.277838	chromosome 1 open reading frame 228 [Source:HGNC Symbol;Ac	chr1:45140	NM_00114	XM_01154	.	.	NP_00113	XP_006710	protein_co	ENSG0000(	339541	34345
C1orf234	0	0.228079	0.193268	0	0	0.212491	chromosome 1 open reading frame 234 [Source:HGNC Symbol;Ac	chr1:23337	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000(	729059	44651
C1orf27	8.26277	6.53166	7.50954	6.21999	8.25586	7.72426	chromosome 1 open reading frame 27 [Source:HGNC Symbol;Acc	chr1:18634	NM_00116	XM_01150	.	.	NP_00115	XP_011507	protein_co	ENSG0000(	54953	24299
C1orf35	20.4924	20.1861	19.7683	21.5716	17.1529	15.214	chromosome 1 open reading frame 35 [Source:HGNC Symbol;Acc	chr1:22828	NM_02431	XM_01154	.	.	NP_07729	.	protein_co	ENSG0000(	79169	19032
C1orf43	154.927	153.482	145.742	158.142	139.277	163.896	chromosome 1 open reading frame 43 [Source:HGNC Symbol;Acc	chr1:15417	NM_00109	XM_01150	.	.	NP_00109	.	protein_co	ENSG0000(	25912	29876
C1orf50	8.60403	6.60642	6.19391	8.70128	7.14496	6.88396	chromosome 1 open reading frame 50 [Source:HGNC Symbol;Acc	chr1:43232	NM_02409	.	.	.	NP_07700	.	protein_co	ENSG0000(	79078	28795
C1orf52	22.1364	22.8236	22.3915	27.9857	21.3371	19.6881	chromosome 1 open reading frame 52 [Source:HGNC Symbol;Acc	chr1:85717	NM_19807	.	NR_02411	.	NP_93234	.	protein_co	ENSG0000(	148423	24871
C1orf53	3.94925	5.20306	4.9708	6.345	5.31401	3.75426	chromosome 1 open reading frame 53 [Source:HGNC Symbol;Acc	chr1:19787	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000(	388722	30003
C1orf54	1.57092	0.851373	2.81578	1.73012	1.80828	2.6796	chromosome 1 open reading frame 54 [Source:HGNC Symbol;Acc	chr1:15023	NM_00130	XM_01150	.	.	NP_00128	.	protein_co	ENSG0000(	79630	26258
C1orf56	0.121336	0.165608	0.070272	0.089442	0.045749	0.042234	chromosome 1 open reading frame 56 [Source:HGNC Symbol;Acc	chr1:15102	NM_01786	.	.	.	NP_06033	.	protein_co	ENSG0000(	54964	26045
C1orf61	2.57551	2.89834	2.93324	4.96601	2.37562	2.32471	chromosome 1 open reading frame 61 [Source:HGNC Symbol;Acc	chr1:15637	NM_00636	XM_01150	NR_13526	.	NP_00635	XP_006711	protein_co	ENSG0000(	10485	30780
C1orf64	0	0	0	0	0	0	chromosome 1 open reading frame 64 [Source:HGNC Symbol;Acc	chr1:16330	NM_17884	.	.	.	NP_84916	.	protein_co	ENSG0000(	149563	28339
C1orf68	0	0	0	0	0	0	chromosome 1 open reading frame 68 [Source:HGNC Symbol;Acc	chr1:15269	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000(	100129271	29468
C1orf74	4.67176	4.93188	4.70641	5.13482	5.4065	4.58269	chromosome 1 open reading frame 74 [Source:HGNC Symbol;Acc	chr1:20992	NM_15248	.	.	.	NP_68969	.	protein_co	ENSG0000(	148304	26319
C1orf87	0.047159	0	0.053372	0.135858	0.102365	0.124253	chromosome 1 open reading frame 87 [Source:HGNC Symbol;Acc	chr1:60456	NM_15237	.	.	.	NP_68959	XP_016855	protein_co	ENSG0000(	127795	28547
C1orf94	0	0	0	0	0.03723	0	chromosome 1 open reading frame 94 [Source:HGNC Symbol;Acc	chr1:34632	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000(	84970	28250
C1QA	0	0	0	0	0	0	complement C1q A chain [Source:HGNC Symbol;Acc:HGNC:1241]	chr1:22962	NM_01599	.	.	.	NP_05707	.	protein_co	ENSG0000(	712	1241
C1QB	0	0	0	0	0	0	complement C1q B chain [Source:HGNC Symbol;Acc:HGNC:1242]	chr1:22979	NM_00049	XM_01154	.	.	NP_00048	XP_011540	protein_co	ENSG0000(	713	1242
C1QBP	399.148	399.682	384.486	453.929	379.57	365.289	complement C1q binding protein [Source:HGNC Symbol;Acc:HGN	chr17:5289	NM_00121	.	.	.	NP_00120	.	protein_co	ENSG0000(	708	1243
C1QC	0	0	0	0	0	0	complement C1q C chain [Source:HGNC Symbol;Acc:HGNC:1245]	chr1:22970	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000(	714	1245
C1QL1	2.57915	2.35783	4.76063	4.81848	3.87914	4.19769	complement C1q like 1 [Source:HGNC Symbol;Acc:HGNC:24182]	chr17:4303	NM_00668	.	.	.	NP_00667	.	protein_co	ENSG0000(	10882	24182
C1QL2	0	0	0	0	0	0	complement C1q like 2 [Source:HGNC Symbol;Acc:HGNC:24181]	chr2:11991	NM_18252	.	.	.	NP_87233	.	protein_co	ENSG0000(	165257	24181
C1QL3	0.041913	0	0	0	0	0	complement C1q like 3 [Source:HGNC Symbol;Acc:HGNC:19359]	chr10:1647	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000(	389941	19359
C1QL4	5.24256	5.05867	8.4376	6.29375	5.15225	6.01815	complement C1q like 4 [Source:HGNC Symbol;Acc:HGNC:31416]	chr12:4972	NM_00100	XM_01153	.	.	NP_00100	XP_011536	protein_co	ENSG0000(	338761	31416
C1QTNF1	3.07335	3.78703	3.33293	2.51278	1.7624	2.05669	C1q and tumor necrosis factor related protein 1 [Source:HGNC Sy	chr17:7701	NM_03096	XM_00672	.	.	NP_11223	XP_006721	protein_co	ENSG0000(	114897	14324
C1QTNF2	0.122567	0.186367	0.079992	0.167688	0.210234	0.194618	C1q and tumor necrosis factor related protein 2 [Source:HGNC Sy	chr5:15977	NM_03190	.	.	.	NP_11411	.	protein_co	ENSG0000(	114898	14325
C1QTNF3	1.0474	0.937562	1.08771	0.90952	0.806529	0.919156	C1q and tumor necrosis factor related protein 3 [Source:HGNC Sy	chr5:34019	NM_03094	.	.	.	NP_11220	.	protein_co	ENSG0000(	114899	14326
C1QTNF4	0.095096	0.356646	0.159957	0.200344	0.226975	0.333632	C1q and tumor necrosis factor related protein 4 [Source:HGNC Sy	chr11:4761	NM_03190	.	.	.	NP_11411	XP_016872	protein_co	ENSG0000(	114900	14346
C1QTNF5	0	0	0	0	0	0	C1q and tumor necrosis factor related protein 5 [Source:HGNC Sy	chr11:1192	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000(	114902	14344
C1QTNF6	5.90587	6.16243	5.94446	3.65874	3.42462	3.29607	C1q and tumor necrosis factor related protein 6 [Source:HGNC Sy	chr22:3757	NM_03191	XM_01702	.	.	NP_11411	XP_011528	protein_co	ENSG0000(	114904	14343
C1QTNF7	0	0	0	0	0	0	C1q and tumor necrosis factor related protein 7 [Source:HGNC Sy	chr4:15341	NM_00113	XM_01151	.	.	NP_00112	XP_011512	protein_co	ENSG0000(	114905	14342
C1QTNF8	0	0	0	0	0	0	C1q and tumor necrosis factor related protein 8 [Source:HGNC Sy	chr16:1140	NM_20741	XM_01152	.	.	NP_99730	XP_011520	protein_co	ENSG0000(	390664	31374
C1QTNF9	0	0	0	0	0.04115	0	C1q and tumor necrosis factor related protein 9 [Source:HGNC Sy	chr13:2488	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000(	338872	28732
C1QTNF9B	0	0.052405	0	0	0	0.05593	C1q and tumor necrosis factor related protein 9B [Source:HGNC S	chr13:2446	NM_00100	XM_01153	.	.	NP_00100	XP_011533	protein_co	ENSG0000(	387911	34072
C1R	1.92753	1.94485	1.19759	2.48141	1.51029	1.03316	complement C1r subcomponent [Source:HGNC Symbol;Acc:HGN(	chr12:7187	NM_00173	XM_01701	.	.	NP_00172	XP_016875	protein_co	ENSG0000(	715	1246
C1RL	7.26488	7.47387	9.07057	4.99059	6.02041	8.44544	complement C1r subcomponent like [Source:HGNC Symbol;Acc:H	chr12:7246	NM_00129	XM_01701	.	.	NP_00128	XP_016874	protein_co	ENSG0000(	51279	21265
C1S	0.648897	0.525531	0.546228	0.586884	0.651364	0.477039	complement component 1, s subcomponent [Source:HGNC Symb	chr12:7080	NM_00173	XM_00525	.	.	NP_00172	XP_005253	protein_co	ENSG0000(	716	1247
C2	0.385716	0.153722	0.370402	0.209872	0.171987	0.329346	complement component 2 [Source:HGNC Symbol;Acc:HGNC:124	chr6:31865	NM_00006	.	.	.	NP_00005	.	protein_co	ENSG0000(	717	1248

C20orf141	0	0	0	0.199368	0	0	chromosome 20 open reading frame 141 [Source:HGNC Symbol;A	chr20:2795	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	128653	16134
C20orf144	0.236267	0	0	0	0	0	chromosome 20 open reading frame 144 [Source:HGNC Symbol;A	chr20:3224	NM_08082	.	.	.	NP_54301	.	protein_co	ENSG0000	128864	16137
C20orf173	0	0	0	0	0	0	chromosome 20 open reading frame 173 [Source:HGNC Symbol;A	chr20:3411	NM_00114	XM_00672	.	.	NP_00113	XP_006723	protein_co	ENSG0000	140873	16166
C20orf194	1.66275	2.48519	2.5272	1.82907	1.83896	2.82675	chromosome 20 open reading frame 194 [Source:HGNC Symbol;A	chr20:3229	NM_00100	XM_01152	.	.	NP_00100	XP_00526	protein_co	ENSG0000	25943	17721
C20orf196	3.89957	3.39422	2.95841	2.14982	2.16876	0.978423	chromosome 20 open reading frame 196 [Source:HGNC Symbol;A	chr20:5731	NM_00130	XM_01152	.	.	NP_00129	XP_006723	protein_co	ENSG0000	149840	26318
C20orf202	0.140755	0.097349	0.163126	0.156226	0.264427	0.193021	chromosome 20 open reading frame 202 [Source:HGNC Symbol;A	chr20:1184	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	400831	37254
C20orf24	79.5158	78.8343	72.8698	107.293	97.1033	81.3038	chromosome 20 open reading frame 24 [Source:HGNC Symbol;Ac	chr20:3520	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	55969	15870
C20orf27	54.8111	57.4456	49.4307	69.4922	55.5732	39.3716	chromosome 20 open reading frame 27 [Source:HGNC Symbol;Ac	chr20:3734	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	54976	15873
C20orf85	0	0	0	0	0	0	chromosome 20 open reading frame 85 [Source:HGNC Symbol;Ac	chr20:5672	NM_17845	.	.	.	NP_84855	.	protein_co	ENSG0000	128602	16216
C20orf96	9.65876	9.41362	9.34372	10.4619	9.44827	8.93369	chromosome 20 open reading frame 96 [Source:HGNC Symbol;Ac	chr20:2515	NM_08057	XM_00672	.	.	NP_54213	XP_006723	protein_co	ENSG0000	140680	16227
C21orf140	0	0	0	0	0	0	chromosome 21 open reading frame 140 [Source:HGNC Symbol;A	chr21:3574	NM_00128	.	.	.	NP_00126	XP_006724	protein_co	ENSG0000	102723451	39602
C21orf2	5.5381	5.60494	5.93881	5.52041	3.56572	4.10238	chromosome 21 open reading frame 2 [Source:HGNC Symbol;Acc	chr21:4574	NM_00127	XM_01702	.	.	NP_00125	XP_016883	protein_co	ENSG0000	755	1260
C21orf33	30.8121	46.2213	46.6929	37.0534	48.713	36.9372	chromosome 21 open reading frame 33 [Source:HGNC Symbol;Ac	chr21:4552	NM_00132	XM_01150	.	.	NP_00130	XP_005261	protein_co	ENSG0000	102724023	1273
C21orf58	3.5348	2.77162	2.30016	2.25188	2.11674	2.46895	chromosome 21 open reading frame 58 [Source:HGNC Symbol;Ac	chr21:4772	NM_00128	XM_01152	.	.	NP_00127	XP_005261	protein_co	ENSG0000	54058	1300
C21orf59	54.4031	53.4158	47.975	66.1338	51.3535	47.9256	chromosome 21 open reading frame 59 [Source:HGNC Symbol;Ac	chr21:3394	NM_02125	.	.	.	NP_06707	.	protein_co	ENSG0000	56683	1301
C21orf62	0	0	0	0	0	0	chromosome 21 open reading frame 62 [Source:HGNC Symbol;Ac	chr21:3416	NM_00116	XM_01152	.	.	NP_00115	XP_011527	protein_co	ENSG0000	56245	1305
C21orf91	4.11527	5.0972	6.09828	6.89017	8.11067	10.1391	chromosome 21 open reading frame 91 [Source:HGNC Symbol;Ac	chr21:1916	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	54149	16459
C22orf15	0	0	0	0	0	0	chromosome 22 open reading frame 15 [Source:HGNC Symbol;Ac	chr22:2410	NM_18252	XM_00526	.	.	NP_87232	XP_016884	protein_co	ENSG0000	150248	15558
C22orf23	0.092014	0.446144	0.431734	0.150587	0.211194	0.245052	chromosome 22 open reading frame 23 [Source:HGNC Symbol;Ac	chr22:3833	NM_00120	XM_00526	.	.	NP_00119	XP_005261	protein_co	ENSG0000	84645	18589
C22orf29	6.93589	7.64055	7.38969	7.6008	7.13901	6.3839	chromosome 22 open reading frame 29 [Source:HGNC Symbol;Ac	chr22:1974	NM_02462	.	.	.	NP_07890	.	protein_co	ENSG0000	79680	26112
C22orf31	0	0	0	0	0	0.072437	chromosome 22 open reading frame 31 [Source:HGNC Symbol;Ac	chr22:2945	NM_01537	XM_01702	.	.	NP_05618	XP_011528	protein_co	ENSG0000	25770	26931
C22orf39	19.1194	17.4559	15.3276	19.3341	14.4743	14.2818	chromosome 22 open reading frame 39 [Source:HGNC Symbol;Ac	chr22:1942	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	128977	27012
C22orf42	0	0	0	0	0	0	chromosome 22 open reading frame 42 [Source:HGNC Symbol;Ac	chr22:3254	NM_00101	XM_01702	.	.	NP_00101	XP_011528	protein_co	ENSG0000	150297	27160
C22orf46	4.49878	4.978	4.44379	3.12885	3.28054	3.57702	chromosome 22 open reading frame 46 [Source:HGNC Symbol;Ac	chr22:4208	NM_00114	XM_01153	.	.	NP_00113	XP_011528	protein_co	ENSG0000	79640	26294
C2CD2	7.97031	8.71551	9.30726	6.09715	6.74597	6.91928	C2 calcium dependent domain containing 2 [Source:HGNC Symbo	chr21:4330	NM_01550	XM_01702	.	.	NP_05631	XP_005261	protein_co	ENSG0000	25966	1266
C2CD2L	6.33437	6.34114	6.67697	7.31974	6.05251	6.60715	C2CD2 like [Source:HGNC Symbol;Acc:HGNC:29000]	chr11:1189	NM_00129	XM_01154	.	.	NP_00127	XP_006719	protein_co	ENSG0000	9854	29000
C2CD3	5.89032	6.58776	5.38396	6.4939	6.2576	5.75413	C2 calcium dependent domain containing 3 [Source:HGNC Symbo	chr11:7372	NM_00128	XM_01701	.	.	NP_00127	XP_011543	protein_co	ENSG0000	26005	24564
C2CD4A	0.064449	0.033148	0	0.035908	0.036477	0.032925	C2 calcium dependent domain containing 4A [Source:HGNC Symb	chr15:6235	NM_20732	.	.	.	NP_99720	.	protein_co	ENSG0000	145741	33627
C2CD4B	0	0	0	0	0	0	C2 calcium dependent domain containing 4B [Source:HGNC Symb	chr15:6245	NM_00100	.	.	.	NP_00100	XP_016877	protein_co	ENSG0000	388125	33628
C2CD4C	3.25715	4.3546	4.01147	3.39495	2.69799	3.53044	C2 calcium dependent domain containing 4C [Source:HGNC Symb	chr19:4054	NM_00113	XM_01152	.	.	NP_00112	XP_011525	protein_co	ENSG0000	126567	29417
C2CD4D	0.175538	0	0.074	0	0	0	C2 calcium dependent domain containing 4D [Source:HGNC Symb	chr1:15181	NM_00113	XM_01150	.	.	NP_00112	XP_011507	protein_co	ENSG0000	100191040	37210
C2CD5	8.91039	8.67024	9.44344	7.23728	9.87233	10.0598	C2 calcium dependent domain containing 5 [Source:HGNC Symbo	chr12:2260	NM_00128	XM_01152	.	.	NP_00127	XP_005253	protein_co	ENSG0000	9847	29062
C2orf15	1.0453	1.37507	1.31222	1.05288	1.11061	1.28123	chromosome 2 open reading frame 15 [Source:HGNC Symbol;Acc	chr2:99613	NM_14470	.	.	.	NP_00130	.	protein_co	ENSG0000	150590	28436
C2orf16	0	0	0	0	0.010526	0	chromosome 2 open reading frame 16 [Source:HGNC Symbol;Acc	chr2:27799	NM_03226	.	.	.	NP_11564	.	protein_co	ENSG0000	84226	25275
C2orf40	0	0	0	0	0	0	chromosome 2 open reading frame 40 [Source:HGNC Symbol;Acc	chr2:10667	NM_03241	XM_01151	.	.	NP_11578	XP_006712	protein_co	ENSG0000	84417	24642
C2orf42	4.52221	4.12944	3.74191	4.68974	5.47429	6.53439	chromosome 2 open reading frame 42 [Source:HGNC Symbol;Acc	chr2:70377	NM_01788	XM_01700	.	.	NP_06035	XP_005264	protein_co	ENSG0000	54980	26056
C2orf47	25.8375	22.1899	22.784	28.0507	23.6709	21.4828	chromosome 2 open reading frame 47 [Source:HGNC Symbol;Acc	chr2:20079	NM_02452	.	.	.	NP_07879	.	protein_co	ENSG0000	79568	26198
C2orf49	10.7598	11.3726	12.5319	9.97079	10.3698	9.56279	chromosome 2 open reading frame 49 [Source:HGNC Symbol;Acc	chr2:10595	NM_00128	XM_00526	.	.	NP_00127	XP_005264	protein_co	ENSG0000	79074	28772
C2orf50	0.24854	0.566295	0.176912	0.191496	0.23302	0.123841	chromosome 2 open reading frame 50 [Source:HGNC Symbol;Acc	chr2:11273	NM_18250	XM_00671	.	.	NP_87230	XP_006711	protein_co	ENSG0000	130813	26324
C2orf54	0.130891	0.130937	0.078785	0.097916	0.100283	0.051654	chromosome 2 open reading frame 54 [Source:HGNC Symbol;Acc	chr2:24182	NM_00108	XM_01151	.	.	NP_00107	XP_011510	protein_co	ENSG0000	79919	26216
C2orf57	0	0	0	0	0	0	chromosome 2 open reading frame 57 [Source:HGNC Symbol;Acc	chr2:23245	NM_15261	.	.	.	NP_68982	.	protein_co	ENSG0000	165100	28563
C2orf61	0	0.09757	0.081762	0	0	0	chromosome 2 open reading frame 61 [Source:HGNC Symbol;Acc	chr2:47314	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	285051	26850
C2orf66	0	0.284382	0.226087	0	0.070791	0	chromosome 2 open reading frame 66 [Source:HGNC Symbol;Acc	chr2:19766	NM_21360	.	.	.	NP_99877	.	protein_co	ENSG0000	401027	33809
C2orf68	7.56405	7.95003	7.23616	5.43342	5.86602	7.68114	chromosome 2 open reading frame 68 [Source:HGNC Symbol;Acc	chr2:85833	NM_00101	XM_00526	.	.	NP_00101	XP_005264	protein_co	ENSG0000	388969	34353
C2orf69	8.86099	9.75254	9.66488	12.8595	15.7503	13.0911	chromosome 2 open reading frame 69 [Source:HGNC Symbol;Acc	chr2:20077	NM_15368	.	.	.	NP_71015	.	protein_co	ENSG0000	205327	26799
C2orf70	3.57559	3.66095	4.87252	7.18427	2.37772	1.95475	chromosome 2 open reading frame 70 [Source:HGNC Symbol;Acc	chr2:26785	NM_00110	XM_00526	.	.	NP_00109	.	protein_co	ENSG0000	339778	27938
C2orf71	0	0	0	0	0	0	chromosome 2 open reading frame 71 [Source:HGNC Symbol;Acc	chr2:29284	NM_00102	XM_01153	.	.	NP_00102	XP_011531	protein_co	ENSG0000	388939	34383
C2orf72	3.33772	3.55346	3.91969	4.04807	3.80146	2.97703	chromosome 2 open reading frame 72 [Source:HGNC Symbol;Acc	chr2:23190	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	257407	27418
C2orf73	0.11823	0	0.10314	0.06716	0.19586	0.172266	chromosome 2 open reading frame 73 [Source:HGNC Symbol;Acc	chr2:54558	NM_00110	XM_01153	.	.	NP_00109	XP_011530	protein_co	ENSG0000	129852	26861
C2orf74	0	0.168419	0.119447	0.070726	0.088827	0.133861	chromosome 2 open reading frame 74 [Source:HGNC Symbol;Acc	chr2:61372	NM_00114	XM_00526	.	.	NP_00113	XP_005264	protein_co	ENSG0000	339804	34439
C2orf76	7.7762	8.0394	7.67592	9.62989	6.79421	8.04982	chromosome 2 open reading frame 76 [Source:HGNC Symbol;Acc	chr2:12005	NM_00101	XM_01151	.	.	NP_00101	XP_005263	protein_co	ENSG0000	130355	27017
C2orf78	0.245008	0.093296	0.600318	0.695708	0.598821	2.39632	chromosome 2 open reading frame 78 [Source:HGNC Symbol;Acc	chr2:74011	NM_00108	XM_00526	.	.	NP_00107	XP_005264	protein_co	ENSG0000	388960	34349
C2orf80	0	0	0	0	0	0	chromosome 2 open reading frame 80 [Source:HGNC Symbol;Acc	chr2:20903	NM_00109	XM_01700	.	.	NP_00109	XP_005246	protein_co	ENSG0000	389073	34352
C2orf81	2.30087	2.00071	2.34434	1.86223	1.40395	1.68966	chromosome 2 open reading frame 81 [Source:HGNC Symbol;Acc	chr2:74641	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	388963	34350
C2orf82	2.29222	1.97866	2.68803	1.54632	2.2976	2.35035	chromosome 2 open reading frame 82 [Source:HGNC Symbol;Acc	chr2:23373	NM_20689	.	.	.	NP_99677	XP_016859	protein_co	ENSG0000	389084	33763
C2orf83	0	0	0	0	0	0	chromosome 2 open reading frame 83 [Source:HGNC Symbol;Acc	chr2:22847	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	56918	25344
C2orf88	1.39936	1.31571	2.02641	2.18	1.68555	1.48306	chromosome 2 open reading frame 88 [Source:HGNC Symbol;Acc	chr2:19100	NM_00104	XM_01700	.	.	NP_00103	XP_005246	protein_co	ENSG0000	84281	28191
C2orf91	0	0	0	0	0	0	chromosome 2 open reading frame 91 [Source:HGNC Symbol;Acc	chr2:42162	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	400950	42966
C3	0.871764	0.716406	1.08247	0.196362	0.169336	0.281459	complement component 3 [Source:HGNC Symbol;Acc:HGNC:1318	chr19:6677	NM_00006	.	.	.	NP_00005	.	protein_co	ENSG0000	718	1318

C3AR1	0	0	0	0	0	0	complement component 3a receptor 1 [Source:HGNC Symbol;Acc	chr12:8210	NM_00405	.	.	.	NP_00131	.	protein_co	ENSG0000	719	1319
C3orf14	0	0	0.238527	0	0	0	chromosome 3 open reading frame 14 [Source:HGNC Symbol;Acc	chr3:62304	NM_00129	XM_01153	.	.	NP_00127	XP_011532	protein_co	ENSG0000	57415	25024
C3orf18	5.80601	4.97888	5.92655	5.09242	3.86764	3.29717	chromosome 3 open reading frame 18 [Source:HGNC Symbol;Acc	chr3:50595	NM_00117	XM_01153	.	.	NP_00116	XP_011532	protein_co	ENSG0000	51161	24837
C3orf20	0.039653	0.047452	0.020277	0.025419	0.067716	0.083877	chromosome 3 open reading frame 20 [Source:HGNC Symbol;Acc	chr3:14716	NM_00118	XM_01153	.	.	NP_00117	XP_006713	protein_co	ENSG0000	84077	25320
C3orf22	0	0	0	0	0	0	chromosome 3 open reading frame 22 [Source:HGNC Symbol;Acc	chr3:12626	NM_15253	XM_01700	.	.	NP_68974	XP_011510	protein_co	ENSG0000	152065	28534
C3orf30	0	0	0	0	0	0	chromosome 3 open reading frame 30 [Source:HGNC Symbol;Acc	chr3:11886	NM_15253	.	.	.	NP_68975	.	protein_co	ENSG0000	152405	26553
C3orf33	2.26189	3.1962	3.33508	3.36726	2.96077	3.89214	chromosome 3 open reading frame 33 [Source:HGNC Symbol;Acc	chr3:15548	NM_00130	XM_01151	.	.	NP_00129	XP_005247	protein_co	ENSG0000	285315	26434
C3orf36	0	0	0	0	0	0.042072	chromosome 3 open reading frame 36 [Source:HGNC Symbol;Acc	chr3:13364	NM_02504	.	.	.	NP_07931	.	protein_co	ENSG0000	80111	26170
C3orf38	12.465	11.6728	12.6992	12.8898	13.2297	13.5955	chromosome 3 open reading frame 38 [Source:HGNC Symbol;Acc	chr3:88101	NM_17382	XM_00526	.	.	NP_77618	XP_005264	protein_co	ENSG0000	285237	28384
C3orf49	0	0	0.04233	0	0	0	chromosome 3 open reading frame 49 [Source:HGNC Symbol;Acc	chr3:63805	.	.	.	.	.	.	protein_co	ENSG0000	.	25190
C3orf52	10.635	11.1426	11.1232	10.3765	12.5008	8.57639	chromosome 3 open reading frame 52 [Source:HGNC Symbol;Acc	chr3:11180	NM_00117	XM_01151	.	.	NP_00116	XP_011511	protein_co	ENSG0000	79669	26255
C3orf58	4.92711	5.4419	5.78327	4.48787	5.35905	4.03096	chromosome 3 open reading frame 58 [Source:HGNC Symbol;Acc	chr3:14369	NM_00113	XM_01700	.	.	NP_00112	XP_016861	protein_co	ENSG0000	205428	28490
C3orf62	3.71904	3.6527	3.75614	3.33367	3.81798	3.68849	chromosome 3 open reading frame 62 [Source:HGNC Symbol;Acc	chr3:49306	NM_19856	.	.	.	NP_94096	.	protein_co	ENSG0000	375341	24771
C3orf67	1.49715	1.69049	1.95689	1.80618	2.5956	2.70934	chromosome 3 open reading frame 67 [Source:HGNC Symbol;Acc	chr3:58727	NM_19846	XM_01700	.	.	NP_94086	XP_005264	protein_co	ENSG0000	200844	24763
C3orf70	0	0	0	0	0	0	chromosome 3 open reading frame 70 [Source:HGNC Symbol;Acc	chr3:18479	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	285382	33731
C3orf80	2.35995	2.32138	1.63576	2.03067	1.96576	2.87373	chromosome 3 open reading frame 80 [Source:HGNC Symbol;Acc	chr3:15994	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	401097	40048
C3orf84	0	0	0	0	0	0	chromosome 3 open reading frame 84 [Source:HGNC Symbol;Acc	chr3:49215	NM_00108	XM_01153	.	.	NP_00107	XP_011532	protein_co	ENSG0000	646498	44666
C4A	0.013089	0.026232	0.011309	0	0	0.014146	complement component 4A (Rodgers blood group) [Source:HGN	chr6:31949	NM_00125	.	.	.	NP_00123	.	protein_co	ENSG0000	720	1323
C4B	0.02639	0.066105	0.022817	0.02855	0.015144	0	complement component 4B (Chido blood group) [Source:HGNC S	chr6:31982	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	721	1324
C4BPA	0	0	0	0	0	0	complement component 4 binding protein alpha [Source:HGNC S	chr1:20727	NM_00071	XM_00527	.	.	NP_00070	XP_005273	protein_co	ENSG0000	722	1325
C4BPB	0	0	0.075712	0	0	0	complement component 4 binding protein beta [Source:HGNC Sy	chr1:20726	NM_00071	XM_00527	.	.	NP_00070	XP_005273	protein_co	ENSG0000	725	1328
C4orf17	0	0	0	0	0	0	chromosome 4 open reading frame 17 [Source:HGNC Symbol;Acc	chr4:10043	NM_03214	.	.	.	NP_11552	XP_011530	protein_co	ENSG0000	84103	25274
C4orf19	0	0	0	0	0	0	chromosome 4 open reading frame 19 [Source:HGNC Symbol;Acc	chr4:37455	NM_00110	XM_01151	.	.	NP_00109	XP_011512	protein_co	ENSG0000	55286	25618
C4orf22	0.099673	0	0	0.18637	0	0.083282	chromosome 4 open reading frame 22 [Source:HGNC Symbol;Acc	chr4:81256	NM_00120	XM_01153	.	.	NP_00119	XP_016863	protein_co	ENSG0000	255119	28554
C4orf26	0.053215	0.053976	0	0.22534	0	0.322697	chromosome 4 open reading frame 26 [Source:HGNC Symbol;Acc	chr4:76481	NM_00120	XM_01153	.	.	NP_00119	XP_011529	protein_co	ENSG0000	152816	26300
C4orf3	46.7991	40.3094	48.0916	53.3855	47.3184	46.64	chromosome 4 open reading frame 3 [Source:HGNC Symbol;Acc:	chr4:12021	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	401152	19225
C4orf32	2.42683	2.43266	1.95021	2.77208	3.14522	4.41136	chromosome 4 open reading frame 32 [Source:HGNC Symbol;Acc	chr4:11306	NM_15240	.	.	.	NP_68961	.	protein_co	ENSG0000	132720	26813
C4orf33	5.12836	6.42291	6.67479	5.57252	4.5317	8.57153	chromosome 4 open reading frame 33 [Source:HGNC Symbol;Acc	chr4:12980	NM_00109	XM_00526	.	.	NP_00109	XP_005262	protein_co	ENSG0000	132321	27025
C4orf36	1.2432	1.42081	1.36143	0.669518	1.31653	2.30054	chromosome 4 open reading frame 36 [Source:HGNC Symbol;Acc	chr4:87797	NM_14464	XM_01153	NR_03884	.	NP_65324	XP_011529	protein_co	ENSG0000	100506746	28386
C4orf45	0	0	0	0	0	0	chromosome 4 open reading frame 45 [Source:HGNC Symbol;Acc	chr4:15969	NM_15254	.	.	.	NP_68975	XP_016863	protein_co	ENSG0000	152940	26342
C4orf46	11.7972	11.5328	10.9703	15.0225	17.5435	17.6394	chromosome 4 open reading frame 46 [Source:HGNC Symbol;Acc	chr4:15958	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	201725	27320
C4orf47	0.644317	0.548038	0.79678	0.731821	0.723837	0.635523	chromosome 4 open reading frame 47 [Source:HGNC Symbol;Acc	chr4:18635	NM_00111	XM_01153	.	.	NP_00110	XP_005263	protein_co	ENSG0000	441054	34346
C4orf48	82.8048	96.3014	98.053	129.144	76.2984	103.746	chromosome 4 open reading frame 48 [Source:HGNC Symbol;Acc	chr4:20437	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	401115	34437
C4orf50	0	0	0.024229	0	0.014264	0.019802	chromosome 4 open reading frame 50 [Source:HGNC Symbol;Acc	chr4:58993	.	XM_01151	.	.	.	XP_011511	protein_co	ENSG0000	.	33766
C4orf51	0	0	0	0	0	0	chromosome 4 open reading frame 51 [Source:HGNC Symbol;Acc	chr4:14660	NM_00108	XM_01153	.	.	NP_00107	XP_006714	protein_co	ENSG0000	646603	37264
C5	0.108067	0.101834	0.082259	0.123539	0.059668	0.183904	complement component 5 [Source:HGNC Symbol;Acc:HGNC:1331	chr9:12371	NM_00131	XM_01701	.	.	NP_00130	XP_011517	protein_co	ENSG0000	727	1331
C5AR1	1.47271	1.54983	1.65086	1.95069	1.25065	1.37334	complement component 5a receptor 1 [Source:HGNC Symbol;Acc	chr19:4781	NM_00173	XM_00525	.	.	NP_00172	XP_005259	protein_co	ENSG0000	728	1338
C5AR2	0.103187	0.037901	0.273883	0.115457	0.083349	0.375729	complement component 5a receptor 2 [Source:HGNC Symbol;Acc	chr19:4783	NM_00127	XM_01152	.	.	NP_00125	XP_011525	protein_co	ENSG0000	27202	4527
C5orf15	23.8442	26.5886	21.5585	26.8145	20.9551	22.8632	chromosome 5 open reading frame 15 [Source:HGNC Symbol;Acc	chr5:13329	NM_02019	.	.	.	NP_06458	.	protein_co	ENSG0000	56951	20656
C5orf22	12.3022	12.125	12.2092	11.5949	14.8494	12.3823	chromosome 5 open reading frame 22 [Source:HGNC Symbol;Acc	chr5:31532	NM_01835	XM_01700	.	.	NP_06082	XP_006714	protein_co	ENSG0000	55322	25639
C5orf24	16.8156	19.3652	18.2787	20.0237	21.9553	19.8409	chromosome 5 open reading frame 24 [Source:HGNC Symbol;Acc	chr5:13418	NM_00113	XM_01700	.	.	NP_00112	XP_005271	protein_co	ENSG0000	134553	26746
C5orf30	9.25798	8.46435	9.45368	9.67145	9.44619	8.03994	chromosome 5 open reading frame 30 [Source:HGNC Symbol;Acc	chr5:10259	NM_00131	XM_01154	.	.	NP_00130	XP_005272	protein_co	ENSG0000	90355	25052
C5orf34	2.87843	3.35905	2.12508	2.70319	4.08166	4.11897	chromosome 5 open reading frame 34 [Source:HGNC Symbol;Acc	chr5:43486	NM_19856	.	.	.	NP_94096	.	protein_co	ENSG0000	375444	24738
C5orf38	0	0	0	0	0	0	chromosome 5 open reading frame 38 [Source:HGNC Symbol;Acc	chr5:27522	NM_00129	XM_01151	.	.	NP_00128	XP_005248	protein_co	ENSG0000	153571	24226
C5orf42	1.00744	0.947623	1.05629	0.600205	0.850036	0.878479	chromosome 5 open reading frame 42 [Source:HGNC Symbol;Acc	chr5:37106	NM_02307	XM_01151	.	.	NP_07556	XP_005248	protein_co	ENSG0000	65250	25801
C5orf45	15.5952	12.5757	14.0289	17.0769	10.9656	11.538	chromosome 5 open reading frame 45 [Source:HGNC Symbol;Acc	chr5:17924	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	51149	30817
C5orf46	0	0	0.145965	0	0	0	chromosome 5 open reading frame 46 [Source:HGNC Symbol;Acc	chr5:14727	NM_20696	XM_00526	.	.	NP_99684	XP_005268	protein_co	ENSG0000	389336	33768
C5orf47	0.043814	0	0	0	0	0	chromosome 5 open reading frame 47 [Source:HGNC Symbol;Acc	chr5:17341	NM_00114	.	.	.	NP_00113	XP_016864	protein_co	ENSG0000	133491	27026
C5orf49	0	0	0	0	0	0	chromosome 5 open reading frame 49 [Source:HGNC Symbol;Acc	chr5:78304	NM_00108	.	.	.	NP_00108	.	protein_co	ENSG0000	134121	27028
C5orf51	11.7584	11.0227	10.9986	7.00706	11.6226	11.6952	chromosome 5 open reading frame 51 [Source:HGNC Symbol;Acc	chr5:41904	NM_17592	XM_01151	.	.	NP_78711	XP_011512	protein_co	ENSG0000	285636	27750
C5orf52	0	0	0	0	0	0	chromosome 5 open reading frame 52 [Source:HGNC Symbol;Acc	chr5:15709	NM_00114	XM_01153	.	.	NP_00113	XP_011532	protein_co	ENSG0000	100190949	35121
C5orf56	1.18901	2.10244	1.50868	1.87519	1.58384	1.34905	chromosome 5 open reading frame 56 [Source:HGNC Symbol;Acc	chr5:13174	.	.	.	.	.	.	protein_co	ENSG0000	.	33838
C5orf58	0	0	0	0	0	0	chromosome 5 open reading frame 58 [Source:HGNC Symbol;Acc	chr5:16965	NM_00110	XM_01700	.	.	NP_00109	XP_016864	protein_co	ENSG0000	133874	37272
C5orf63	3.10881	3.4569	2.69956	2.49505	2.87894	2.53809	chromosome 5 open reading frame 63 [Source:HGNC Symbol;Acc	chr5:12637	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	401207	40051
C5orf67	0	0	0	0	0	0	chromosome 5 open reading frame 67 [Source:HGNC Symbol;Acc	chr5:55807	NM_00128	.	.	.	NP_00127	XP_016864	protein_co	ENSG0000	101928448	51252
C6	0	0	0	0	0	0	complement component 6 [Source:HGNC Symbol;Acc:HGNC:1339	chr5:41142	NM_00006	XM_01151	.	.	NP_00005	XP_005248	protein_co	ENSG0000	729	1339
C6orf1	14.9492	12.9144	17.5365	9.58337	7.65947	5.37446	chromosome 6 open reading frame 1 [Source:HGNC Symbol;Acc:	chr6:34214	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	221491	1340
C6orf10	0	0	0	0	0	0	chromosome 6 open reading frame 10 [Source:HGNC Symbol;Acc	chr6:32256	NM_00128	XM_01151	.	.	.	XP_011512	protein_co	ENSG0000	10665	13922
C6orf106	25.1332	25.4471	25.3916	29.4423	27.0753	27.1976	chromosome 6 open reading frame 106 [Source:HGNC Symbol;Ac	chr6:34555	NM_02275	.	.	.	NP_07359	XP_005249	protein_co	ENSG0000	64771	21215

C6orf118	0.038804	0	0	0	0	0	chromosome 6 open reading frame 118 [Source:HGNC Symbol;Ac	chr6:16569	NM_14498	XM_00526	.	.	NP_65941	XP_00526	protein_co	ENSG0000	168090	21233
C6orf120	12.1672	12.5142	14.5337	12.084	16.337	18.4143	chromosome 6 open reading frame 120 [Source:HGNC Symbol;Ac	chr6:17010	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	387263	21247
C6orf132	5.07023	4.45324	4.35049	7.18762	6.11461	5.01789	chromosome 6 open reading frame 132 [Source:HGNC Symbol;Ac	chr6:42068	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	647024	21288
C6orf136	15.975	15.3565	12.3406	14.7093	13.2929	8.68638	chromosome 6 open reading frame 136 [Source:HGNC Symbol;Ac	chr6:30614	NM_00110	XM_01151	.	.	NP_00110	XP_011512	protein_co	ENSG0000	221545	21301
C6orf141	9.03239	9.34909	7.18939	7.47433	6.08062	7.92348	chromosome 6 open reading frame 141 [Source:HGNC Symbol;Ac	chr6:49518	NM_00114	XM_01151	.	.	NP_00113	XP_005248	protein_co	ENSG0000	135398	21351
C6orf15	0	0	0	0	0	0	chromosome 6 open reading frame 15 [Source:HGNC Symbol;Acc	chr6:31078	NM_01407	.	.	.	NP_05478	.	protein_co	ENSG0000	29113	13927
C6orf163	0.093188	0.348579	0.5333	0.520958	0.314989	0.623844	chromosome 6 open reading frame 163 [Source:HGNC Symbol;Ac	chr6:88054	NM_00101	XM_01153	.	.	NP_00101	XP_005248	protein_co	ENSG0000	206412	21403
C6orf201	0	0	0	0	0	0	chromosome 6 open reading frame 201 [Source:HGNC Symbol;Ac	chr6:40685	NM_00108	.	.	.	NP_00107	XP_011512	protein_co	ENSG0000	404220	21620
C6orf203	13.1149	11.9096	13.3238	9.05835	12.219	10.8649	chromosome 6 open reading frame 203 [Source:HGNC Symbol;Ac	chr6:10734	NM_00114	XM_01153	.	.	NP_00113	XP_011534	protein_co	ENSG0000	51250	17971
C6orf222	0.051519	0.052311	0	0	0	0	chromosome 6 open reading frame 222 [Source:HGNC Symbol;Ac	chr6:36283	NM_00101	XM_01151	.	.	NP_00101	XP_011512	protein_co	ENSG0000	389384	33769
C6orf223	4.54532	5.15828	8.50111	5.64067	5.34563	11.2259	chromosome 6 open reading frame 223 [Source:HGNC Symbol;Ac	chr6:43968	NM_00117	XM_01151	.	.	NP_00116	XP_011512	protein_co	ENSG0000	221416	28692
C6orf226	11.4622	9.11226	7.84929	13.0208	8.07117	11.1222	chromosome 6 open reading frame 226 [Source:HGNC Symbol;Ac	chr6:42858	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	441150	34431
C6orf229	0	0	0	0	0	0	chromosome 6 open reading frame 229 [Source:HGNC Symbol;Ac	chr6:24797	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	101928603	49394
C6orf25	0.402053	0.201878	0.183873	0.047198	0	0.090517	chromosome 6 open reading frame 25 [Source:HGNC Symbol;Acc	chr6:31691	NM_02526	.	.	.	NP_07953	.	protein_co	ENSG0000	80739	13937
C6orf47	10.689	11.2359	9.05444	9.13059	9.55543	8.34174	chromosome 6 open reading frame 47 [Source:HGNC Symbol;Acc	chr6:31626	NM_02118	.	.	.	NP_06700	.	protein_co	ENSG0000	57827	19076
C6orf48	246.89	229.306	173.526	215.305	187.723	212.906	chromosome 6 open reading frame 48 [Source:HGNC Symbol;Acc	chr6:31802	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	50854	19078
C6ORF50	0	0	0	0	0	0	.	chr6:39829	.				.	.	protein_co	ENSG0000	.	
C6orf52	1.91734	3.56132	3.24505	5.6889	2.92507	2.65794	chromosome 6 open reading frame 52 [Source:HGNC Symbol;Acc	chr6:10671	NM_00114	XM_00671	.	.	NP_00113	.	protein_co	ENSG0000	347744	20881
C6orf58	0.895719	0.401003	0.327905	0.170525	0.082539	0.072767	chromosome 6 open reading frame 58 [Source:HGNC Symbol;Acc	chr6:12789	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	352999	20960
C6orf62	79.4423	75.6241	63.0712	56.3111	69.4329	70.7947	chromosome 6 open reading frame 62 [Source:HGNC Symbol;Acc	chr6:24667	NM_03093	XM_01151	.	.	NP_11220	XP_011513	protein_co	ENSG0000	81688	20998
C6orf89	20.4889	23.1663	21.6698	23.2624	22.4356	20.2808	chromosome 6 open reading frame 89 [Source:HGNC Symbol;Acc	chr6:36822	NM_00128	XM_01151	.	.	NP_00127	XP_011512	protein_co	ENSG0000	221477	21114
C7	0	0	0	0	0.019754	0	complement component 7 [Source:HGNC Symbol;Acc:HGNC:134	chr5:40909	NM_00058	XM_01151	.	.	NP_00057	.	protein_co	ENSG0000	730	1346
C7orf25	8.80806	9.03618	7.67397	7.62678	8.47231	6.85526	chromosome 7 open reading frame 25 [Source:HGNC Symbol;Acc	chr7:42948	NM_00109	XM_00524	.	.	NP_00109	XP_005249	protein_co	ENSG0000	79020	21703
C7orf26	12.0828	12.5607	10.5521	14.2564	11.7502	10.9626	chromosome 7 open reading frame 26 [Source:HGNC Symbol;Acc	chr7:66296	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	79034	21702
C7orf31	0.6346	0.529228	0.673181	0.746462	0.832687	1.16007	chromosome 7 open reading frame 31 [Source:HGNC Symbol;Acc	chr7:25174	NM_13881	XM_00524	.	.	NP_62016	XP_005249	protein_co	ENSG0000	136895	21722
C7orf33	0	0	0	0	0	0	chromosome 7 open reading frame 33 [Source:HGNC Symbol;Acc	chr7:14828	NM_14530	.	.	.	NP_66034	.	protein_co	ENSG0000	202865	21724
C7orf34	0	0	0	0	0	0	chromosome 7 open reading frame 34 [Source:HGNC Symbol;Acc	chr7:14263	NM_17882	.	.	.	NP_84915	.	protein_co	ENSG0000	135927	21750
C7orf43	10.557	11.5959	11.4894	9.65088	9.46573	7.21739	chromosome 7 open reading frame 43 [Source:HGNC Symbol;Acc	chr7:99752	NM_00130	.	NR_03980	.	NP_00129	.	protein_co	ENSG0000	100616439	25604
C7orf49	33.8143	31.69	28.7038	34.9083	29.9491	28.7702	chromosome 7 open reading frame 49 [Source:HGNC Symbol;Acc	chr7:13483	NM_00124	.	.	.	NP_00123	XP_016868	protein_co	ENSG0000	78996	22432
C7orf50	43.3862	45.0005	35.0101	59.0232	39.9372	41.2491	chromosome 7 open reading frame 50 [Source:HGNC Symbol;Acc	chr7:10366	NM_00113	XM_00524	NR_13453	.	NP_00112	XP_005249	protein_co	ENSG0000	84310	22421
C7orf55	11.1509	12.3309	10.3943	15.0692	11.9259	9.7758	formation of mitochondrial complex V assembly factor 1 homolo	chr7:13902	NM_19796	.	.	.	NP_93206	.	protein_co	ENSG0000	154791	26946
C7orf55-LUC7L2	11.4368	12.8645	8.91549	14.6588	7.28635	4.97761	C7orf55-LUC7L2 readthrough [Source:HGNC Symbol;Acc:HGNC:4	chr7:13902	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	100996928	44671
C7orf57	0.048448	0.05064	0.042015	0.164007	0.054364	0.097303	chromosome 7 open reading frame 57 [Source:HGNC Symbol;Acc	chr7:48075	NM_00110	XM_01151	.	.	NP_00109	XP_006715	protein_co	ENSG0000	136288	22247
C7orf61	0.406911	0.90411	0.77554	0.532665	0.745285	1.04495	chromosome 7 open reading frame 61 [Source:HGNC Symbol;Acc	chr7:10005	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	402573	22135
C7orf62	0	0	0	0	0	0	chromosome 7 open reading frame 62 [Source:HGNC Symbol;Acc	chr7:88388	NM_15270	XM_01151	.	.	NP_68991	XP_011514	protein_co	ENSG0000	219557	22402
C7orf72	0	0	0	0	0	0	chromosome 7 open reading frame 72 [Source:HGNC Symbol;Acc	chr7:50135	NM_00116	XM_01151	.	.	NP_00115	XP_011513	protein_co	ENSG0000	100130988	22564
C7orf73	26.5502	28.5184	27.2935	31.0283	28.3233	28.5109	chromosome 7 open reading frame 73 [Source:HGNC Symbol;Acc	chr7:13534	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	647087	41909
C7orf77	0	0	0	0	0	0.169518	chromosome 7 open reading frame 77 [Source:HGNC Symbol;Acc	chr7:12441	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	154872	51256
C8A	0	0	0	0	0	0	complement component 8 alpha subunit [Source:HGNC Symbol;A	chr1:57320	NM_00056	.	.	.	NP_00055	.	protein_co	ENSG0000	731	1352
C8B	0	0	0	0	0	0	complement component 8, beta polypeptide [Source:HGNC Symb	chr1:57394	NM_00006	XM_01700	.	.	NP_00005	XP_016857	protein_co	ENSG0000	732	1353
C8G	0.249273	0.733306	1.38762	1.06475	0.434684	0.552552	complement component 8, gamma polypeptide [Source:HGNC Sy	chr9:13983	NM_00060	.	.	.	NP_00059	.	protein_co	ENSG0000	733	1354
C8orf22	0	0	0	0	0	0	chromosome 8 open reading frame 22 [Source:HGNC Symbol;Acc	chr8:49966	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	492307	31745
C8orf33	66.4492	70.7534	56.0552	58.3829	54.0291	37.813	chromosome 8 open reading frame 33 [Source:HGNC Symbol;Acc	chr8:14627	NM_02308	.	.	.	NP_07556	.	protein_co	ENSG0000	65265	26104
C8orf34	0	0	0	0	0	0	chromosome 8 open reading frame 34 [Source:HGNC Symbol;Acc	chr8:69242	NM_00119	XM_01151	.	.	NP_00118	XP_011515	protein_co	ENSG0000	116328	30905
C8orf37	3.60891	4.18264	4.39819	4.61559	5.06604	5.76323	chromosome 8 open reading frame 37 [Source:HGNC Symbol;Acc	chr8:96257	NM_17796	.	.	.	NP_80888	.	protein_co	ENSG0000	157657	27232
C8orf4	0	0	0	0	0	0	chromosome 8 open reading frame 4 [Source:HGNC Symbol;Acc:	chr8:40010	NM_02013	.	.	.	NP_06451	.	protein_co	ENSG0000	56892	1357
C8orf44	1.37541	1.18644	2.01203	1.56559	0.608732	1.007	chromosome 8 open reading frame 44 [Source:HGNC Symbol;Acc	chr8:67579	NM_01960	.	.	.	NP_06255	.	protein_co	ENSG0000	56260	25646
C8orf44-SGK3	0.438181	0.270217	0.619229	0.317771	0.595933	0.345799	C8orf44-SGK3 readthrough [Source:HGNC Symbol;Acc:HGNC:483	chr8:67579	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	100533105	48354
C8orf46	0.044738	0.165519	0.077669	0.050526	0.07586	0.129254	chromosome 8 open reading frame 46 [Source:HGNC Symbol;Acc	chr8:67405	NM_15276	.	.	.	NP_68997	.	protein_co	ENSG0000	254778	28498
C8orf48	0	0	0	0	0	0	chromosome 8 open reading frame 48 [Source:HGNC Symbol;Acc	chr8:13424	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	157773	26345
C8orf58	5.16435	5.52949	6.62593	5.26652	4.51761	4.75137	chromosome 8 open reading frame 58 [Source:HGNC Symbol;Acc	chr8:22436	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	541565	32233
C8orf59	84.0491	70.7845	90.836	92.5462	105.752	95.2058	chromosome 8 open reading frame 59 [Source:HGNC Symbol;Acc	chr8:86089	NM_00109	XM_01151	.	.	NP_00109	XP_011515	protein_co	ENSG0000	401466	32235
C8orf74	0	0	0	0	0	0	chromosome 8 open reading frame 74 [Source:HGNC Symbol;Acc	chr8:10530	NM_00104	XM_01154	.	.	NP_00103	XP_011542	protein_co	ENSG0000	203076	32296
C8orf76	29.191	27.4881	29.4228	25.9492	32.978	27.2022	chromosome 8 open reading frame 76 [Source:HGNC Symbol;Acc	chr8:12423	NM_03284	.	.	.	NP_11623	.	protein_co	ENSG0000	84933	25924
C8orf82	15.0552	17.0165	16.9148	14.6171	11.7181	12.6611	chromosome 8 open reading frame 82 [Source:HGNC Symbol;Acc	chr8:14574	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	414919	33826
C8orf86	0	0	0	0	0.035634	0	chromosome 8 open reading frame 86 [Source:HGNC Symbol;Acc	chr8:38368	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	389649	33774
C8orf88	0.106182	0	0.460737	0.120746	0.117889	0.208283	chromosome 8 open reading frame 88 [Source:HGNC Symbol;Acc	chr8:91634	NM_00119	.	.	.	NP_00117	XP_016868	protein_co	ENSG0000	100127983	44672
C8orf89	0	0	0	0	0.228653	0.206174	chromosome 8 open reading frame 89 [Source:HGNC Symbol;Acc	chr8:74153	NM_00124	XM_01151	.	.	NP_00123	XP_011515	protein_co	ENSG0000	100130301	51258
C9	0	0	0	0	0	0	complement component 9 [Source:HGNC Symbol;Acc:HGNC:135	chr5:39284	NM_00173	.	.	.	NP_00172	.	protein_co	ENSG0000	735	1358

C9orf114	13.7055	13.8312	12.4208	17.8285	15.4707	10.2812	SPOUT domain containing methyltransferase 1 [Source:HGNC Sy	chr9:1315	NM_01639	XM_01701	.	.	NP_05747	XP_01687	protein_co	ENSG0000	51490	26933
C9orf116	15.4022	12.7551	15.0456	15.6899	9.69658	5.33299	chromosome 9 open reading frame 116 [Source:HGNC Symbol;Ac	chr9:1383	NM_00104	XM_01151	.	.	NP_00104	XP_01151	protein_co	ENSG0000	138162	28435
C9orf129	0.161626	0	0.069995	0.08631	0	0	chromosome 9 open reading frame 129 [Source:HGNC Symbol;Ac	chr9:9594	NM_00109	XM_00671	.	.	NP_00109	XP_00671	protein_co	ENSG0000	445577	31116
C9orf131	0	0	0	0	0	0	chromosome 9 open reading frame 131 [Source:HGNC Symbol;Ac	chr9:3504	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	138724	31418
C9orf135	0	0	0.102053	1.14938	0	0.240677	chromosome 9 open reading frame 135 [Source:HGNC Symbol;Ac	chr9:7243	NM_00101	XM_01151	NR_13175	.	NP_00101	XP_01151	protein_co	ENSG0000	138255	31422
C9orf142	63.8727	67.024	47.732	62.9108	51.885	38.7026	chromosome 9 open reading frame 142 [Source:HGNC Symbol;Ac	chr9:1398	NM_00132	.	.	.	NP_00131	.	protein_co	ENSG0000	286257	27849
C9orf152	0.03179	0	0	0.105533	0.071062	0.032778	chromosome 9 open reading frame 152 [Source:HGNC Symbol;Ac	chr9:1129	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	401546	31455
C9orf153	0	0	0	0	0.042122	0.073146	chromosome 9 open reading frame 153 [Source:HGNC Symbol;Ac	chr9:8883	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	389766	31456
C9orf16	98.0568	100.869	130.727	117.705	78.2779	92.7802	chromosome 9 open reading frame 16 [Source:HGNC Symbol;Acc	chr9:1309	NM_02411	.	.	.	NP_07701	.	protein_co	ENSG0000	79095	17823
C9orf172	3.61841	3.76908	3.74033	3.41602	2.34231	3.60436	chromosome 9 open reading frame 172 [Source:HGNC Symbol;Ac	chr9:1397	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	389813	37284
C9orf24	0	0.235154	0.209953	0.533948	0.082903	0	chromosome 9 open reading frame 24 [Source:HGNC Symbol;Acc	chr9:3437	NM_00125	XM_01151	.	.	NP_00123	XP_00525	protein_co	ENSG0000	84688	19919
C9orf3	3.46916	3.19738	3.80888	9.65536	6.7729	4.44004	chromosome 9 open reading frame 3 [Source:HGNC Symbol;Acc:	chr9:9748	NM_00119	XM_01151	NR_02949	.	NP_00118	XP_00525	protein_co	ENSG0000	407012	1361
C9orf38	0	0	0	0	0	0	chromosome 9 open reading frame 38 [Source:HGNC Symbol;Acc	chr9:6413	.	.	.	.	.	.	protein_co	ENSG0000	.	23398
C9orf40	6.96421	7.46257	7.80567	9.12857	7.07008	8.92596	chromosome 9 open reading frame 40 [Source:HGNC Symbol;Acc	chr9:7756	NM_01799	.	.	.	NP_06046	.	protein_co	ENSG0000	55071	23433
C9orf43	0.836469	0.51673	0.205149	0.222945	0.263101	0.23478	chromosome 9 open reading frame 43 [Source:HGNC Symbol;Acc	chr9:1161	NM_00127	XM_01151	.	.	NP_00126	XP_01151	protein_co	ENSG0000	257169	23570
C9orf47	0	0	0	0	0	0	chromosome 9 open reading frame 47 [Source:HGNC Symbol;Acc	chr9:9160	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	286223	23669
C9orf50	0	0	0	0	0.152935	0	chromosome 9 open reading frame 50 [Source:HGNC Symbol;Acc	chr9:1323	NM_19935	XM_01151	.	.	NP_95538	XP_01151	protein_co	ENSG0000	375759	23677
C9orf57	0	0	0	0	0	0	chromosome 9 open reading frame 57 [Source:HGNC Symbol;Acc	chr9:7466	NM_00112	XM_01151	.	.	NP_00112	XP_01151	protein_co	ENSG0000	138240	27037
C9orf64	0	0	0	0	0	0.035145	chromosome 9 open reading frame 64 [Source:HGNC Symbol;Acc	chr9:8655	NM_00131	XM_01151	.	.	NP_00130	.	protein_co	ENSG0000	84267	28144
C9orf66	0.073471	0.112326	0.09481	0.040818	0.166377	0.113191	chromosome 9 open reading frame 66 [Source:HGNC Symbol;Acc	chr9:2128	NM_15256	.	.	.	NP_68978	.	protein_co	ENSG0000	157983	26436
C9orf69	20.5352	22.5586	18.8854	19.0587	17.6209	21.3808	chromosome 9 open reading frame 69 [Source:HGNC Symbol;Acc	chr9:1390	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	90120	31009
C9orf72	5.1932	5.77436	5.42932	4.92597	5.77189	7.36938	chromosome 9 open reading frame 72 [Source:HGNC Symbol;Acc	chr9:2754	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	203228	28337
C9orf78	40.983	38.437	35.0736	38.938	34.8795	25.652	chromosome 9 open reading frame 78 [Source:HGNC Symbol;Acc	chr9:1325	NM_01652	XM_01151	.	.	NP_05760	XP_01151	protein_co	ENSG0000	51759	24932
C9orf84	0.106878	0.335033	0.275153	0.440053	0.681492	0.429258	chromosome 9 open reading frame 84 [Source:HGNC Symbol;Acc	chr9:1144	NM_00108	XM_01151	.	.	NP_00107	XP_00671	protein_co	ENSG0000	158401	26535
C9orf85	8.3815	7.6267	8.04928	6.27915	6.74086	5.29154	chromosome 9 open reading frame 85 [Source:HGNC Symbol;Acc	chr9:7452	NM_18250	.	.	.	NP_87231	.	protein_co	ENSG0000	138241	28784
C9orf91	6.0852	6.00003	4.43107	5.06202	4.42653	6.40644	transmembrane protein 268 [Source:HGNC Symbol;Acc:HGNC:24	chr9:1173	NM_15304	XM_01151	.	.	NP_69459	XP_00671	protein_co	ENSG0000	203197	24513
C9orf92	0	0	0	0	0	0	chromosome 9 open reading frame 92 [Source:HGNC Symbol;Acc	chr9:1620	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	100129385	19054
CA1	0	0	0.061207	0	0	0	carbonic anhydrase 1 [Source:HGNC Symbol;Acc:HGNC:1368]	chr8:8623	NM_00112	XM_01151	.	.	NP_00112	XP_01151	protein_co	ENSG0000	759	1368
CA10	0	0	0	0	0	0	carbonic anhydrase 10 [Source:HGNC Symbol;Acc:HGNC:1369]	chr17:497	NM_00108	.	.	.	NP_00107	XP_01688	protein_co	ENSG0000	56934	1369
CA11	10.6653	9.32937	11.4018	5.9946	5.62414	7.95183	carbonic anhydrase 11 [Source:HGNC Symbol;Acc:HGNC:1370]	chr19:491	NM_00121	.	.	.	NP_00120	.	protein_co	ENSG0000	770	1370
CA12	2.71536	2.06704	2.43246	3.2952	3.67561	2.45927	carbonic anhydrase 12 [Source:HGNC Symbol;Acc:HGNC:1371]	chr15:636	NM_00121	.	.	.	NP_00120	.	protein_co	ENSG0000	771	1371
CA13	2.98358	3.31223	3.16542	3.558	4.02338	6.51612	carbonic anhydrase 13 [Source:HGNC Symbol;Acc:HGNC:14914]	chr8:8615	NM_19858	.	.	.	NP_94098	.	protein_co	ENSG0000	377677	14914
CA14	0.206782	0.06072	0.179672	0.129828	0.13356	0.09275	carbonic anhydrase 14 [Source:HGNC Symbol;Acc:HGNC:1372]	chr1:1502	NM_01211	XM_01150	.	.	NP_03624	XP_00524	protein_co	ENSG0000	23632	1372
CA2	19.2608	19.6816	26.5507	26.8046	24.5592	21.8247	carbonic anhydrase 2 [Source:HGNC Symbol;Acc:HGNC:1373]	chr8:8637	NM_00006	.	.	.	NP_00005	.	protein_co	ENSG0000	760	1373
CA3	0.242459	0.35691	0.252073	0.435868	0.432946	0.582466	carbonic anhydrase 3 [Source:HGNC Symbol;Acc:HGNC:1374]	chr8:8635	NM_00518	.	.	.	NP_00517	.	protein_co	ENSG0000	761	1374
CA4	0	0	0	0	0	0	carbonic anhydrase 4 [Source:HGNC Symbol;Acc:HGNC:1375]	chr17:582	NM_00071	XM_00525	.	.	NP_00070	XP_00525	protein_co	ENSG0000	762	1375
CA5A	0	0	0	0	0	0	carbonic anhydrase 5A [Source:HGNC Symbol;Acc:HGNC:1377]	chr16:879	NM_00173	.	.	.	NP_00173	.	protein_co	ENSG0000	763	1377
CA5B	1.2894	1.32974	0.998733	1.15237	0.721316	1.5952	carbonic anhydrase 5B [Source:HGNC Symbol;Acc:HGNC:1378]	chrX:1575	NM_00722	XM_00527	.	.	NP_00915	XP_00527	protein_co	ENSG0000	11238	1378
CA6	0	0	0	0	0	0	carbonic anhydrase 6 [Source:HGNC Symbol;Acc:HGNC:1380]	chr1:9005	NM_00121	XM_01154	.	.	NP_00120	XP_01154	protein_co	ENSG0000	765	1380
CA7	0	0	0	0	0	0	carbonic anhydrase 7 [Source:HGNC Symbol;Acc:HGNC:1381]	chr16:668	NM_00101	XM_01152	.	.	NP_00101	XP_00525	protein_co	ENSG0000	766	1381
CA8	0.45482	0.417882	0.546422	0.668581	0.525861	0.252219	carbonic anhydrase 8 [Source:HGNC Symbol;Acc:HGNC:1382]	chr8:6109	NM_00405	XM_01151	.	.	NP_00130	.	protein_co	ENSG0000	767	1382
CA9	0.54267	0.293148	0.596014	2.06317	1.81637	1.13317	carbonic anhydrase 9 [Source:HGNC Symbol;Acc:HGNC:1383]	chr9:3567	NM_00121	.	.	.	NP_00120	.	protein_co	ENSG0000	768	1383
CAAP1	15.1763	13.9597	13.9359	14.3304	15.057	18.3794	caspase activity and apoptosis inhibitor 1 [Source:HGNC Symbol;	chr9:2684	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	79886	25834
CAB39	29.4213	31.4156	33.3663	30.9216	36.1647	34.4149	calcium binding protein 39 [Source:HGNC Symbol;Acc:HGNC:202	chr2:2315	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	51719	20292
CAB39L	2.13223	1.5918	2.56443	2.88951	2.10056	2.77408	calcium binding protein 39 like [Source:HGNC Symbol;Acc:HGNC:	chr13:498	NM_00107	XM_01702	.	.	NP_00107	XP_01153	protein_co	ENSG0000	81617	20290
CABIN1	11.8921	13.137	13.2955	11.1937	10.9574	8.97824	calcineurin binding protein 1 [Source:HGNC Symbol;Acc:HGNC:24	chr22:244	NM_00119	XM_01702	.	.	NP_00118	XP_00526	protein_co	ENSG0000	23523	24187
CABLES1	5.43712	5.62998	6.46483	4.99279	5.00767	3.70555	Cdk5 and Abl enzyme substrate 1 [Source:HGNC Symbol;Acc:HGN	chr18:207	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	91768	25097
CABLES2	5.9935	5.15846	5.08183	6.24455	5.99547	5.418	Cdk5 and Abl enzyme substrate 2 [Source:HGNC Symbol;Acc:HGN	chr20:609	NM_03121	.	.	.	NP_11249	.	protein_co	ENSG0000	81928	16143
CABP1	0.354089	0.449028	0.833646	0.657628	0.426887	0.57229	calcium binding protein 1 [Source:HGNC Symbol;Acc:HGNC:1384]	chr12:121	NM_00103	XM_01702	.	.	NP_00102	XP_01687	protein_co	ENSG0000	9478	1384
CABP2	0	0	0	0	0	0	calcium binding protein 2 [Source:HGNC Symbol;Acc:HGNC:1385]	chr11:672	NM_00131	XM_00527	.	.	NP_00130	.	protein_co	ENSG0000	51475	1385
CABP4	0.026692	0	0	0	0	0	calcium binding protein 4 [Source:HGNC Symbol;Acc:HGNC:1386]	chr11:672	NM_00130	XM_01154	.	.	NP_00128	XP_01154	protein_co	ENSG0000	57010	1386
CABP5	0	0	0.048574	0.06067	0	0	calcium binding protein 5 [Source:HGNC Symbol;Acc:HGNC:1371	chr19:485	NM_01985	.	.	.	NP_06282	.	protein_co	ENSG0000	56344	13714
CABP7	0	0.02349	0.041241	0	0	0	calcium binding protein 7 [Source:HGNC Symbol;Acc:HGNC:2083	chr22:301	NM_18252	XM_00672	.	.	NP_87233	XP_00672	protein_co	ENSG0000	164633	20834
CABS1	0	0	0	0	0	0	calcium binding protein, spermatid associated 1 [Source:HGNC Sy	chr4:7120	NM_03312	.	.	.	NP_14911	.	protein_co	ENSG0000	85438	30710
CABYR	0.062919	0	0.16588	0	0.045598	0	calcium binding tyrosine phosphorylation regulated [Source:HGN	chr18:217	NM_00130	XM_01702	.	.	NP_00129	XP_00525	protein_co	ENSG0000	26256	15569
CACFD1	4.06582	4.4675	3.95355	2.97552	3.02305	3.33949	calcium channel flower domain containing 1 [Source:HGNC Symb	chr9:1363	NM_00113	XM_01151	.	.	NP_00112	XP_01151	protein_co	ENSG0000	11094	1365
CACHD1	2.87034	3.29719	3.61078	2.96307	2.78577	3.19697	cache domain containing 1 [Source:HGNC Symbol;Acc:HGNC:293	chr1:6493	NM_00129	XM_01154	.	.	NP_00128	XP_01154	protein_co	ENSG0000	57685	29314
CACNA1A	0	0	0	0	0	0	calcium voltage-gated channel subunit alpha1 A [Source:HGNC Sy	chr19:133	NM_00006	.	.	.	NP_00005	.	protein_co	ENSG0000	773	1388
CACNA1B	0.663247	0.712253	0.727266	0.610313	0.593163	0.528911	calcium voltage-gated channel subunit alpha1 B [Source:HGNC Sy	chr9:1407	NM_00071	XM_01701	.	.	NP_00070	XP_01151	protein_co	ENSG0000	774	1389

CACNA1C	0.053417	0.011021	0.044251	0	0.036245	0.118012	calcium voltage-gated channel subunit alpha1 C [Source:HGNC Sy	chr12:2162	NM_00071	XM_01701	.	.	NP_000710	XP_006719	protein_co	ENSG0000	775	1390
CACNA1D	0.194623	0.497875	0.342639	0.275555	0.365527	0.224517	calcium voltage-gated channel subunit alpha1 D [Source:HGNC Sy	chr3:53317	NM_00072	XM_01153	.	.	NP_000711	XP_005265	protein_co	ENSG0000	776	1391
CACNA1E	0	0	0.011922	0	0	0.010284	calcium voltage-gated channel subunit alpha1 E [Source:HGNC Sy	chr1:18145	NM_00072	XM_01700	.	.	NP_000712	XP_011508	protein_co	ENSG0000	777	1392
CACNA1F	0	0.023935	0	0	0	0	calcium voltage-gated channel subunit alpha1 F [Source:HGNC Sy	chrX:49061	NM_00125	XM_01154	.	.	NP_001243	XP_011542	protein_co	ENSG0000	778	1393
CACNA1G	0.469573	0.583858	1.19425	0.669214	0.677023	0.939883	calcium voltage-gated channel subunit alpha1 G [Source:HGNC Sy	chr17:4863	NM_00125	XM_01152	.	.	NP_001243	XP_006722	protein_co	ENSG0000	8913	1394
CACNA1H	7.38747	7.89048	10.3201	6.49037	6.70529	8.29455	calcium voltage-gated channel subunit alpha1 H [Source:HGNC Sy	chr16:1203	NM_00100	XM_01152	.	.	NP_001005	XP_005255	protein_co	ENSG0000	8912	1395
CACNA1I	0.052171	0.065347	0.162074	0.088164	0.067014	0.090801	calcium voltage-gated channel subunit alpha1 I [Source:HGNC Sy	chr22:3996	NM_00100	XM_01153	.	.	NP_001003	XP_011528	protein_co	ENSG0000	8911	1396
CACNA1S	0	0.010197	0.008753	0	0.011608	0.065481	calcium voltage-gated channel subunit alpha1 S [Source:HGNC Sy	chr1:20100	NM_00006	XM_00524	.	.	NP_000060	XP_005245	protein_co	ENSG0000	779	1397
CACNA2D1	0.035018	0.019543	0	0.020852	0.0385	0.166682	calcium voltage-gated channel auxiliary subunit alpha2delta 1 [So	chr7:81575	NM_00072	XM_01151	.	.	NP_000713	XP_005250	protein_co	ENSG0000	781	1399
CACNA2D2	2.79834	2.55435	4.04848	3.27094	3.16104	3.83547	calcium voltage-gated channel auxiliary subunit alpha2delta 2 [So	chr3:50384	NM_00100	XM_01153	.	.	NP_001005	XP_005265	protein_co	ENSG0000	9254	1400
CACNA2D3	0	0	0	0	0.02115	0.069813	calcium voltage-gated channel auxiliary subunit alpha2delta 3 [So	chr3:54156	NM_01839	XM_01700	.	.	NP_060868	XP_005265	protein_co	ENSG0000	55799	15460
CACNA2D4	0.18196	0.30726	0.465782	0.122431	0.172337	0.120349	calcium voltage-gated channel auxiliary subunit alpha2delta 4 [So	chr12:1901	NM_17236	XM_01152	.	.	NP_758952	XP_011519	protein_co	ENSG0000	93589	20202
CACNB1	4.11739	3.1517	3.65587	4.12639	3.97362	3.01127	calcium voltage-gated channel auxiliary subunit beta 1 [Source:H	chr17:3732	NM_00072	XM_00525	.	.	NP_000714	XP_005257	protein_co	ENSG0000	782	1401
CACNB2	0.283335	0.327166	0.598573	0.553451	0.315041	0.532692	calcium voltage-gated channel auxiliary subunit beta 2 [Source:H	chr10:1842	NM_00072	XM_01151	.	.	NP_000715	XP_005252	protein_co	ENSG0000	783	1402
CACNB3	10.6024	10.2821	12.197	12.2746	11.6832	8.37638	calcium voltage-gated channel auxiliary subunit beta 3 [Source:H	chr12:4920	NM_00072	XM_01701	.	.	NP_000716	XP_011537	protein_co	ENSG0000	784	1403
CACNB4	0.510381	0.285852	0.662842	0.878011	1.04557	0.949313	calcium voltage-gated channel auxiliary subunit beta 4 [Source:H	chr2:15268	NM_00072	XM_01151	.	.	NP_000717	XP_006712	protein_co	ENSG0000	785	1404
CACNG1	0	0	0	0	0	0	calcium voltage-gated channel auxiliary subunit gamma 1 [Source	chr17:6504	NM_00072	.	.	.	NP_000718	.	protein_co	ENSG0000	786	1405
CACNG2	0.037574	0	0	0	0	0	calcium voltage-gated channel auxiliary subunit gamma 2 [Source	chr22:3695	NM_00607	.	.	.	NP_006069	.	protein_co	ENSG0000	10369	1406
CACNG3	0	0	0	0	0	0	calcium voltage-gated channel auxiliary subunit gamma 3 [Source	chr16:2426	NM_00653	.	.	.	NP_006530	.	protein_co	ENSG0000	10368	1407
CACNG4	0	0	0	0	0	0	calcium voltage-gated channel auxiliary subunit gamma 4 [Source	chr17:6496	NM_01440	.	.	.	NP_055220	.	protein_co	ENSG0000	27092	1408
CACNG5	0	0	0	0	0	0	calcium voltage-gated channel auxiliary subunit gamma 5 [Source	chr17:6483	NM_14581	XM_01152	.	.	NP_665810	XP_011522	protein_co	ENSG0000	27091	1409
CACNG6	0	0	0	0	0.078644	0	calcium voltage-gated channel auxiliary subunit gamma 6 [Source	chr19:5449	NM_03189	.	.	.	NP_114103	.	protein_co	ENSG0000	59285	13625
CACNG7	0	0.100826	0.035628	0.044771	0	0	calcium voltage-gated channel auxiliary subunit gamma 7 [Source	chr19:5441	NM_03189	XM_01702	.	.	NP_114102	XP_016882	protein_co	ENSG0000	59284	13626
CACNG8	0.042219	0.035574	0.049217	0.007695	0.032278	0.02977	calcium voltage-gated channel auxiliary subunit gamma 8 [Source	chr19:5446	NM_03189	.	NR_030632	.	NP_114101	.	protein_co	ENSG0000	100126325	13628
CACTIN	12.6719	15.1903	13.006	15.3486	13.8614	11.6192	cactin, spliceosome C complex subunit [Source:HGNC Symbol;Acc	chr19:3610	NM_00108	.	.	.	NP_001074	.	protein_co	ENSG0000	58509	29938
CACUL1	14.8157	15.0911	15.7872	14.0326	17.3778	18.1254	CDK2 associated cullin domain 1 [Source:HGNC Symbol;Acc:HGN	chr10:1204	NM_15381	.	.	.	NP_722517	.	protein_co	ENSG0000	143384	23727
CACYBP	129.884	111.866	89.3184	174.878	146.207	117.237	calcyclin binding protein [Source:HGNC Symbol;Acc:HGNC:30423]	chr1:17496	NM_00100	.	.	.	NP_001007	XP_016856	protein_co	ENSG0000	27101	30423
CAD	29.3396	31.8874	28.7585	38.3851	37.3594	27.9663	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase,	chr2:27440	NM_00130	XM_00671	.	.	NP_001293	XP_005264	protein_co	ENSG0000	790	1424
CADM1	0	0	0	0	0	0	cell adhesion molecule 1 [Source:HGNC Symbol;Acc:HGNC:5951]	chr11:1150	NM_00109	XM_01701	.	.	NP_001091	XP_005271	protein_co	ENSG0000	23705	5951
CADM2	0	0	0	0	0	0	cell adhesion molecule 2 [Source:HGNC Symbol;Acc:HGNC:29849	chr3:85008	NM_00116	XM_01700	.	.	NP_001161	XP_006713	protein_co	ENSG0000	253559	29849
CADM3	0	0	0	0	0	0	cell adhesion molecule 3 [Source:HGNC Symbol;Acc:HGNC:17601	chr1:15914	NM_00112	.	.	.	NP_001120	.	protein_co	ENSG0000	57863	17601
CADM4	21.0751	20.6382	21.9964	24.7648	23.6949	23.6228	cell adhesion molecule 4 [Source:HGNC Symbol;Acc:HGNC:30825	chr19:4412	NM_14529	XM_01702	.	.	NP_660339	XP_005258	protein_co	ENSG0000	199731	30825
CADPS	0	0	0	0	0	0.030416	calcium dependent secretion activator [Source:HGNC Symbol;Acc	chr3:62384	NM_00371	XM_01700	.	.	NP_003707	XP_006713	protein_co	ENSG0000	8618	1426
CADPS2	3.04358	3.16122	3.7534	2.33949	2.57885	2.86376	calcium dependent secretion activator 2 [Source:HGNC Symbol;A	chr7:12195	NM_00100	XM_01701	.	.	NP_001009	XP_005250	protein_co	ENSG0000	93664	16018
CAGE1	0	0.05046	0.020494	0.026841	0.023988	0.045155	cancer antigen 1 [Source:HGNC Symbol;Acc:HGNC:21622]	chr6:73268	NM_00117	.	.	.	NP_001164	.	protein_co	ENSG0000	285782	21622
CALB1	0	0	0	0	0	0	calbindin 1 [Source:HGNC Symbol;Acc:HGNC:1434]	chr8:91070	NM_00492	.	.	.	NP_004920	.	protein_co	ENSG0000	793	1434
CALB2	2.25173	3.05374	3.85038	1.87246	1.90101	2.4991	calbindin 2 [Source:HGNC Symbol;Acc:HGNC:1435]	chr16:7139	NM_00174	XM_01152	.	.	NP_001731	.	protein_co	ENSG0000	794	1435
CALCA	0	0	0	0	0	0	calcitonin related polypeptide alpha [Source:HGNC Symbol;Acc:H	chr11:1492	NM_00103	.	.	.	NP_001029	XP_016873	protein_co	ENSG0000	796	1437
CALCB	0.276629	0.166392	0	0.089174	0	0.432617	calcitonin related polypeptide beta [Source:HGNC Symbol;Acc:HG	chr11:1492	NM_00072	.	.	.	NP_000719	.	protein_co	ENSG0000	797	1438
CALCOCO1	7.16521	6.53502	10.9808	3.66315	3.75916	5.4968	calcium binding and coiled-coil domain 1 [Source:HGNC Symbol;A	chr12:5410	NM_00114	XM_01153	.	.	NP_001137	XP_011536	protein_co	ENSG0000	57658	29306
CALCOCO2	40.1747	38.7113	33.5505	35.7954	33.8794	63.3795	calcium binding and coiled-coil domain 2 [Source:HGNC Symbol;A	chr17:4690	NM_00126	XM_01152	.	.	NP_001248	.	protein_co	ENSG0000	10241	29912
CALCR	0.024727	0.068091	0.04992	0.393763	0.055086	0.248847	calcitonin receptor [Source:HGNC Symbol;Acc:HGNC:1440]	chr7:93053	NM_00116	.	.	.	NP_001158	.	protein_co	ENSG0000	799	1440
CALCRL	0.554013	0.633711	0.539251	0.374509	0.453154	1.22379	calcitonin receptor like receptor [Source:HGNC Symbol;Acc:HGN	chr2:18820	NM_00127	XM_00524	.	.	NP_001258	XP_005246	protein_co	ENSG0000	10203	16709
CALD1	22.4282	23.725	23.5282	24.8517	27.0874	26.0521	caldesmon 1 [Source:HGNC Symbol;Acc:HGNC:1441]	chr7:13442	NM_00434	XM_01701	.	.	NP_004333	XP_016868	protein_co	ENSG0000	800	1441
CALHM1	0	0	0	0	0.027836	0	calcium homeostasis modulator 1 [Source:HGNC Symbol;Acc:HGN	chr10:1052	NM_00100	.	.	.	NP_001001	.	protein_co	ENSG0000	255022	23494
CALHM2	18.8775	16.6962	16.1604	16.2638	13.1589	17.2671	calcium homeostasis modulator 2 [Source:HGNC Symbol;Acc:HGN	chr10:1052	NM_01591	XM_01701	.	.	NP_057000	XP_006717	protein_co	ENSG0000	51063	23493
CALHM3	0.25284	0.558879	0.375918	0.202341	0.58727	0.488694	calcium homeostasis modulator 3 [Source:HGNC Symbol;Acc:HGN	chr10:1052	NM_00112	.	.	.	NP_001123	.	protein_co	ENSG0000	119395	23458
CALM1	149.087	145.723	140.1	173.574	164.151	153.846	calmodulin 1 [Source:HGNC Symbol;Acc:HGNC:1442]	chr14:9086	NM_00688	XM_00672	.	.	NP_001291	XP_006720	protein_co	ENSG0000	805	1442
CALM2	306.598	271.839	282.25	407.289	471.574	463.093	calmodulin 2 [Source:HGNC Symbol;Acc:HGNC:1445]	chr2:47387	NM_00174	.	.	.	NP_001292	.	protein_co	ENSG0000	805	1445
CALM3	201.778	203.357	195.761	285.161	248.793	230.272	calmodulin 3 [Source:HGNC Symbol;Acc:HGNC:1449]	chr19:4702	NM_00518	.	.	.	NP_001292	.	protein_co	ENSG0000	808	1449
CALML3	0	0.027106	0	0	0	0	calmodulin like 3 [Source:HGNC Symbol;Acc:HGNC:1452]	chr10:5565	NM_00518	.	.	.	NP_005176	.	protein_co	ENSG0000	810	1452
CALML4	5.08626	5.28297	5.15867	6.65013	6.55554	6.27286	calmodulin like 4 [Source:HGNC Symbol;Acc:HGNC:18445]	chr15:6834	NM_00103	.	.	.	NP_001026	.	protein_co	ENSG0000	91860	18445
CALML5	0	0	0	0	0	0	calmodulin like 5 [Source:HGNC Symbol;Acc:HGNC:18180]	chr10:5540	NM_01742	.	.	.	NP_059118	.	protein_co	ENSG0000	51806	18180
CALML6	0.172265	0.229698	0.403121	0.183396	0.200156	0.562933	calmodulin like 6 [Source:HGNC Symbol;Acc:HGNC:24193]	chr1:18462	NM_13870	XM_01154	.	.	NP_619650	XP_005244	protein_co	ENSG0000	163688	24193
CALN1	0.008524	0	0	0.009544	0	0.008643	calneuron 1 [Source:HGNC Symbol;Acc:HGNC:13248]	chr7:71244	NM_00101	XM_01701	.	.	NP_001017	XP_011514	protein_co	ENSG0000	83698	13248
CALR	816.476	800.781	394.536	867.356	753.504	524.265	calreticulin [Source:HGNC Symbol;Acc:HGNC:1455]	chr19:1304	NM_00434	.	.	.	NP_004334	.	protein_co	ENSG0000	811	1455
CALR3	0.05279	0	0	0.058686	0.05961	0.107899	calreticulin 3 [Source:HGNC Symbol;Acc:HGNC:20407]	chr19:1658	NM_14504	.	.	.	NP_659483	.	protein_co	ENSG0000	125972	20407
CALU	82.331	85.0812	70.0883	81.0049	90.5775	106.545	calumenin [Source:HGNC Symbol;Acc:HGNC:1458]	chr7:12837	NM_00113	XM_01151	.	.	NP_001124	.	protein_co	ENSG0000	813	1458
CALY	0	0.043238	0.038311	0	0	0.120057	calcyon neuron specific vesicular protein [Source:HGNC Symbol;A	chr10:1350	NM_01572	XM_01153	.	.	NP_056537	XP_011538	protein_co	ENSG0000	50632	17938

CAMK1	7.07691	7.84133	7.03016	8.22297	5.8822	5.32722	calcium/calmodulin dependent protein kinase I [Source:HGNC Sy	chr3:97916	NM_00365	XM_00526	.	.	NP_003641	XP_005265	protein_co	ENSG0000	8536	1459
CAMK1D	2.42254	2.50378	4.09262	2.45466	2.22934	3.29345	calcium/calmodulin dependent protein kinase ID [Source:HGNC S	chr10:1239	NM_02039	XM_01701	.	.	NP_065130	XP_006717	protein_co	ENSG0000	57118	19341
CAMK1G	0.115193	0.058637	0.024933	0.062744	0.131628	0.030668	calcium/calmodulin dependent protein kinase IG [Source:HGNC S	chr1:20975	NM_02043	XM_01700	.	.	NP_065172	XP_016857	protein_co	ENSG0000	57172	14585
CAMK2A	0	0	0.012272	0	0	0	calcium/calmodulin dependent protein kinase II alpha [Source:HG	chr5:14956	NM_01598	.	.	.	NP_057065	XP_016865	protein_co	ENSG0000	815	1460
CAMK2B	0.236306	0.072405	0.125241	0.039307	0.084367	0.098372	calcium/calmodulin dependent protein kinase II beta [Source:HGI	chr7:44256	NM_00122	XM_01701	.	.	NP_001211	XP_005249	protein_co	ENSG0000	816	1461
CAMK2D	15.7363	15.9239	20.896	14.0251	15.7919	17.7277	calcium/calmodulin dependent protein kinase II delta [Source:HG	chr4:11437	NM_00122	XM_01700	.	.	NP_001212	XP_005263	protein_co	ENSG0000	817	1462
CAMK2G	12.886	11.8068	12.476	12.2269	11.2754	9.54082	calcium/calmodulin dependent protein kinase II gamma [Source:I	chr10:7557	NM_00120	XM_01701	.	.	NP_001191	XP_005270	protein_co	ENSG0000	818	1463
CAMK2N1	9.21053	9.77838	10.5387	8.40308	8.89301	9.98652	calcium/calmodulin dependent protein kinase II inhibitor 1 [Sourc	chr1:20808	NM_01858	.	.	.	NP_061054	.	protein_co	ENSG0000	55450	24190
CAMK2N2	4.19857	3.42122	4.73767	5.57763	3.81334	5.12034	calcium/calmodulin dependent protein kinase II inhibitor 2 [Sourc	chr3:18396	NM_03325	.	.	.	NP_150284	.	protein_co	ENSG0000	94032	24197
CAMK4	3.02712	3.88161	3.10446	3.16757	3.58991	2.90027	calcium/calmodulin dependent protein kinase IV [Source:HGNC S	chr5:11055	NM_00132	.	.	.	NP_001310	.	protein_co	ENSG0000	814	1464
CAMKK1	4.57529	4.68776	4.18177	2.31602	2.50518	2.12293	calcium/calmodulin dependent protein kinase kinase 1 [Source:H	chr17:3763	NM_03229	XM_01702	.	.	NP_115670	XP_005256	protein_co	ENSG0000	84254	1469
CAMKK2	18.3743	18.9338	18.1863	19.1678	18.6295	15.9659	calcium/calmodulin dependent protein kinase kinase 2 [Source:H	chr12:1216	NM_00127	XM_01701	.	.	NP_001257	XP_005253	protein_co	ENSG0000	10645	1470
CAMKMT	3.93812	3.55972	4.86823	2.3937	3.90727	3.7414	calmodulin-lysine N-methyltransferase [Source:HGNC Symbol;Acc	chr2:44589	NM_02476	.	.	.	NP_079042	.	protein_co	ENSG0000	79823	26276
CAMKV	0.050556	0.045582	0.039537	0	0	0.054301	CaM kinase like vesicle associated [Source:HGNC Symbol;Acc:HGI	chr3:49895	NM_02404	XM_00526	.	.	NP_001307	XP_005265	protein_co	ENSG0000	79012	28788
CAMLG	19.9226	19.9453	28.2287	18.6525	21.9011	23.1575	calcium modulating ligand [Source:HGNC Symbol;Acc:HGNC:1471	chr5:13407	NM_00174	.	.	.	NP_001736	XP_011541	protein_co	ENSG0000	819	1471
CAMP	0	0	0	0.105473	0	0	cathelicidin antimicrobial peptide [Source:HGNC Symbol;Acc:HGN	chr3:48264	NM_00434	.	.	.	NP_004336	.	protein_co	ENSG0000	820	1472
CAMSAP1	13.8436	13.5647	13.9577	12.8079	14.2264	12.2796	calmodulin regulated spectrin associated protein 1 [Source:HGNC	chr9:13870	NM_01544	XM_01151	.	.	NP_056262	XP_005263	protein_co	ENSG0000	157922	19946
CAMSAP2	10.8223	11.0492	10.81	11.1373	13.2355	13.8044	calmodulin regulated spectrin associated protein family member	chr1:20070	NM_00129	XM_00524	.	.	NP_001284	XP_005245	protein_co	ENSG0000	23271	29188
CAMSAP3	8.56018	9.33897	8.8835	10.3564	9.14404	8.31031	calmodulin regulated spectrin associated protein family member	chr19:7660	NM_00108	XM_01702	.	.	NP_001073	XP_005272	protein_co	ENSG0000	57662	29307
CAMTA1	31.5176	38.0414	36.912	40.2895	43.8486	51.7708	calmodulin binding transcription activator 1 [Source:HGNC Symbo	chr1:68453	NM_00119	XM_01700	.	.	NP_001182	XP_011539	protein_co	ENSG0000	23261	18806
CAMTA2	11.9292	10.7843	11.6732	9.11528	8.25067	8.21007	calmodulin binding transcription activator 2 [Source:HGNC Symbo	chr17:4871	NM_00117	XM_01152	.	.	NP_001164	XP_006721	protein_co	ENSG0000	23125	18807
CAND1	20.4069	19.5554	21.8452	19.0003	25.5123	21.4875	cullin associated and neddylation dissociated 1 [Source:HGNC Syr	chr12:6766	NM_01844	.	.	.	NP_001316	.	protein_co	ENSG0000	55832	30688
CAND2	0	0.038777	0.016877	0.020983	0	0.021793	cullin associated and neddylation dissociated 2 (putative) [Source	chr3:12837	NM_00116	XM_01153	.	.	NP_001155	XP_011531	protein_co	ENSG0000	23066	30689
CANT1	42.0649	43.2713	38.6053	44.0896	43.1327	37.2984	calcium activated nucleotidase 1 [Source:HGNC Symbol;Acc:HGN	chr17:7698	NM_00115	XM_01152	.	.	NP_001153	XP_005257	protein_co	ENSG0000	124583	19721
CANX	279.866	301.17	214.151	241.952	262.657	264.146	calnexin [Source:HGNC Symbol;Acc:HGNC:1473]	chr5:17912	NM_00102	XM_01153	.	.	NP_001019	XP_011532	protein_co	ENSG0000	821	1473
CAP1	152.716	152.437	155.9	158.512	157.758	169.288	adenylate cyclase associated protein 1 [Source:HGNC Symbol;Acc	chr1:40505	NM_00110	XM_01154	.	.	NP_001099	XP_005270	protein_co	ENSG0000	10487	20040
CAP2	3.18497	2.76262	2.41487	2.15965	2.85239	2.46786	CAP, adenylate cyclase-associated protein, 2 (yeast) [Source:HGN	chr6:17393	NM_00636	XM_01151	.	.	NP_006357	XP_011512	protein_co	ENSG0000	10486	20039
CAPG	69.3443	66.7529	77.0133	77.8284	61.9927	78.6647	capping actin protein, gelsolin like [Source:HGNC Symbol;Acc:HGI	chr2:85621	NM_00125	XM_01153	.	.	NP_001243	XP_005264	protein_co	ENSG0000	822	1474
CAPN1	77.376	87.0836	94.3897	83.8508	74.7931	68.0582	calpain 1 [Source:HGNC Symbol;Acc:HGNC:1476]	chr11:6494	NM_00119	XM_01154	.	.	NP_001185	XP_006718	protein_co	ENSG0000	823	1476
CAPN10	11.9476	9.45064	11.7706	13.0508	9.97382	9.93543	calpain 10 [Source:HGNC Symbol;Acc:HGNC:1477]	chr2:24152	NM_02308	.	.	.	NP_075571	.	protein_co	ENSG0000	11132	1477
CAPN11	0	0	0.021206	0	0	0	calpain 11 [Source:HGNC Symbol;Acc:HGNC:1478]	chr6:44126	NM_00705	XM_01151	.	.	NP_008989	XP_006715	protein_co	ENSG0000	11131	1478
CAPN12	0.675763	0.697285	1.15423	0.40065	0.349314	0.287047	calpain 12 [Source:HGNC Symbol;Acc:HGNC:13249]	chr19:3913	NM_14469	XM_01152	.	.	NP_653292	XP_016881	protein_co	ENSG0000	147968	13249
CAPN13	0.127788	0.026059	0.088517	0.16793	0.174537	0.21535	calpain 13 [Source:HGNC Symbol;Acc:HGNC:16663]	chr2:30945	NM_14457	XM_01153	.	.	NP_653176	XP_011531	protein_co	ENSG0000	92291	16663
CAPN14	0	0	0	0	0	0	calpain 14 [Source:HGNC Symbol;Acc:HGNC:16664]	chr2:31397	NM_00114	XM_01153	.	.	NP_001138	XP_011531	protein_co	ENSG0000	440854	16664
CAPN15	11.4683	12.0787	9.53514	12.3066	11.4705	9.36225	calpain 15 [Source:HGNC Symbol;Acc:HGNC:11182]	chr16:5778	NM_00563	XM_01152	.	.	NP_005623	XP_011520	protein_co	ENSG0000	6650	11182
CAPN2	91.5309	94.7931	83.9867	92.0688	95.3512	80.4063	calpain 2 [Source:HGNC Symbol;Acc:HGNC:1479]	chr1:22388	NM_00114	.	.	.	NP_001139	.	protein_co	ENSG0000	824	1479
CAPN3	2.05335	1.31959	1.0643	1.0641	1.09335	0.853963	calpain 3 [Source:HGNC Symbol;Acc:HGNC:1480]	chr15:4265	NM_00007	.	.	.	NP_000061	.	protein_co	ENSG0000	825	1480
CAPN5	3.08188	3.25954	4.78766	3.67568	3.55673	4.23989	calpain 5 [Source:HGNC Symbol;Acc:HGNC:1482]	chr11:7677	NM_00405	XM_01701	.	.	NP_004046	XP_011543	protein_co	ENSG0000	726	1482
CAPN6	0.855561	0.731142	1.17079	0.231355	0.514874	0.5487	calpain 6 [Source:HGNC Symbol;Acc:HGNC:1483]	chrX:11048	NM_01428	.	.	.	NP_055104	.	protein_co	ENSG0000	827	1483
CAPN7	7.95886	6.63869	7.57303	7.20852	8.845	8.39389	calpain 7 [Source:HGNC Symbol;Acc:HGNC:1484]	chr3:15247	NM_01429	XM_01153	.	.	NP_055111	XP_011531	protein_co	ENSG0000	23473	1484
CAPN8	0.09685	0.130847	0.052134	0	0.103013	0.195627	calpain 8 [Source:HGNC Symbol;Acc:HGNC:1485]	chr1:22371	NM_00114	.	.	.	NP_001137	XP_016856	protein_co	ENSG0000	388743	1485
CAPN9	0	0	0	0	0	0	calpain 9 [Source:HGNC Symbol;Acc:HGNC:1486]	chr1:23088	NM_00131	XM_01154	.	.	NP_001306	XP_005273	protein_co	ENSG0000	10753	1486
CAPNS1	256.99	268.183	241.32	286.407	211.35	219.051	calpain small subunit 1 [Source:HGNC Symbol;Acc:HGNC:1481]	chr19:3663	NM_00100	XM_00525	.	.	NP_001003	XP_005259	protein_co	ENSG0000	826	1481
CAPNS2	0.075963	0.158288	0	0	0.085283	0.076617	calpain small subunit 2 [Source:HGNC Symbol;Acc:HGNC:16371]	chr16:5554	NM_03233	.	.	.	NP_115706	.	protein_co	ENSG0000	84290	16371
CAPRIN1	99.7745	106.042	101.688	118.651	133.555	127.503	cell cycle associated protein 1 [Source:HGNC Symbol;Acc:HGNC:6	chr11:3407	NM_00589	XM_01701	.	.	NP_005889	XP_016873	protein_co	ENSG0000	4076	6743
CAPRIN2	6.74906	6.84577	7.73802	5.74713	6.36491	8.33249	caprin family member 2 [Source:HGNC Symbol;Acc:HGNC:21259]	chr12:3086	NM_00100	XM_01152	.	.	NP_001002	XP_006719	protein_co	ENSG0000	65981	21259
CAPS	1.0466	1.31021	2.14573	0.496931	1.42548	1.09887	calcyphosine [Source:HGNC Symbol;Acc:HGNC:1487]	chr19:5911	NM_00405	XM_00525	.	.	NP_004049	XP_005259	protein_co	ENSG0000	828	1487
CAPS2	0.697688	1.04722	1.25399	1.35891	2.01303	2.29337	calcyphosine 2 [Source:HGNC Symbol;Acc:HGNC:16471]	chr12:7566	NM_00128	XM_01153	.	.	NP_001273	XP_006719	protein_co	ENSG0000	84698	16471
CAPSL	0	0	0	0	0	0	calcyphosine like [Source:HGNC Symbol;Acc:HGNC:28375]	chr5:35904	NM_00104	XM_00671	.	.	NP_001036	XP_006714	protein_co	ENSG0000	133690	28375
CAPZA1	65.6281	59.6569	66.1596	71.0004	83.8821	85.1714	capping actin protein of muscle Z-line alpha subunit 1 [Source:HG	chr1:11300	NM_00613	.	.	.	NP_006126	.	protein_co	ENSG0000	829	1488
CAPZA2	42.5938	42.4885	50.6122	54.1071	52.9648	55.1121	capping actin protein of muscle Z-line alpha subunit 2 [Source:HG	chr7:11650	NM_00613	.	.	.	NP_006127	.	protein_co	ENSG0000	830	1490
CAPZA3	0	0	0	0	0	0	capping actin protein of muscle Z-line alpha subunit 3 [Source:HG	chr12:1889	NM_03332	.	.	.	NP_201585	.	protein_co	ENSG0000	93661	24205
CAPZB	89.1718	92.4218	96.5873	114.736	96.5634	93.6569	capping actin protein of muscle Z-line beta subunit [Source:HGNC	chr1:19665	NM_00120	.	.	.	NP_001193	XP_006711	protein_co	ENSG0000	832	1491
CARD10	14.6086	14.1012	13.1378	16.6766	13.8333	11.2234	caspase recruitment domain family member 10 [Source:HGNC Sy	chr22:3788	NM_01455	.	.	.	NP_055365	.	protein_co	ENSG0000	29775	16422
CARD11	0.013881	0.02729	0.036215	0.014851	0	0.015457	caspase recruitment domain family member 11 [Source:HGNC Sy	chr7:29457	NM_00132	XM_01151	.	.	NP_001311	XP_011513	protein_co	ENSG0000	84433	16393
CARD14	0.018401	0	0.07593	0.031186	0	0.041348	caspase recruitment domain family member 14 [Source:HGNC Sy	chr17:7814	NM_00125	XM_01152	.	.	NP_001244	XP_011523	protein_co	ENSG0000	79092	16446
CARD16	0.117265	0.364247	0.102666	0.193503	0	0	caspase recruitment domain family member 16 [Source:HGNC Sy	chr11:1049	NM_00101	.	.	.	NP_001017	.	protein_co	ENSG0000	114769	33701
CARD17	0	0	0	0	0	0	caspase recruitment domain family member 17 [Source:HGNC Sy	chr11:1049	NM_00100	.	.	.	NP_001007	.	protein_co	ENSG0000	440068	33827
CARD18	0	0	0	0	0	0	caspase recruitment domain family member 18 [Source:HGNC Sy	chr11:1050	NM_02157	.	.	.	NP_067546	.	protein_co	ENSG0000	59082	28861

CARD19	39.9111	37.632	36.5481	45.7758	36.7239	35.2611	caspase recruitment domain family member 19 [Source:HGNC Sy	chr9:95858	NM_03231	XM_00525	.	.	NP_115686	.	protein_co	ENSG0000	84270	28148
CARD6	0.06335	0.016519	0.01364	0.017626	0.064738	0.031098	caspase recruitment domain family member 6 [Source:HGNC Sym	chr5:40841	NM_03258	.	.	.	NP_115976	.	protein_co	ENSG0000	84674	16394
CARD8	4.82969	4.75368	5.88453	6.13627	6.65643	5.50642	caspase recruitment domain family member 8 [Source:HGNC Sym	chr19:4867	NM_00118	XM_01702	.	.	NP_001171	XP_006723	protein_co	ENSG0000	22900	17057
CARD9	0.148425	0.212822	0.032005	0.195679	0.263802	0.213694	caspase recruitment domain family member 9 [Source:HGNC Sym	chr9:13925	NM_05281	.	.	.	NP_434700	.	protein_co	ENSG0000	64170	16391
CARF	1.0968	0.749133	1.41492	0.672656	0.973519	1.44285	calcium responsive transcription factor [Source:HGNC Symbol;Ac	chr2:20373	NM_00110	XM_01700	.	.	NP_001098	XP_005246	protein_co	ENSG0000	79800	14435
CARHSP1	42.8418	43.1644	45.6917	52.05	41.8904	38.0443	calcium regulated heat stable protein 1 [Source:HGNC Symbol;Ac	chr16:8946	NM_00104	XM_01152	.	.	NP_001035	XP_005255	protein_co	ENSG0000	23589	17150
CARM1	49.1919	53.0789	44.8977	54.7473	50.7492	47.3111	coactivator associated arginine methyltransferase 1 [Source:HGN	chr19:1098	NM_19914	XM_01152	.	.	NP_954592	XP_005259	protein_co	ENSG0000	10498	23393
CARMIL2	4.13096	3.45465	4.47666	5.67065	3.91757	2.62062	capping protein regulator and myosin 1 linker 2 [Source:HGNC Sy	chr16:6767	NM_00101	XM_01152	.	.	NP_001013	XP_005255	protein_co	ENSG0000	146206	27089
CARMIL3	0.24788	0.244282	0.289749	0.202196	0.220235	0.113625	capping protein regulator and myosin 1 linker 3 [Source:HGNC Sy	chr14:2452	NM_13836	XM_01153	.	.	NP_612369	XP_011535	protein_co	ENSG0000	90668	20272
CARNMT1	10.7053	11.1748	10.7939	10.1239	12.4715	10.4645	carnosine N-methyltransferase 1 [Source:HGNC Symbol;Acc:HGN	chr9:77595	NM_00132	XM_01701	.	.	NP_001307	XP_005251	protein_co	ENSG0000	138199	23435
CARNS1	0.393542	0.300689	0.896012	0.260101	0.249538	0.263908	carnosine synthase 1 [Source:HGNC Symbol;Acc:HGNC:29268]	chr11:6718	NM_00116	XM_01154	.	.	NP_001159	XP_011543	protein_co	ENSG0000	57571	29268
CARS	39.0277	37.326	25.7799	24.6967	20.8477	63.3069	cysteinyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:1493	chr11:3022	NM_00101	XM_01701	.	.	NP_001014	XP_006718	protein_co	ENSG0000	833	1493
CARS2	16.9066	15.5399	16.2197	19.6207	17.7863	15.7114	cysteinyl-tRNA synthetase 2, mitochondrial (putative) [Source:HG	chr13:1112	NM_02453	XM_01152	.	.	NP_078813	XP_006720	protein_co	ENSG0000	79587	25695
CARTPT	0	0	0	0	0	0	CART prepropeptide [Source:HGNC Symbol;Acc:HGNC:24323]	chr5:71014	NM_00429	.	.	.	NP_004282	.	protein_co	ENSG0000	9607	24323
CASC1	0.088183	0.082205	0.20613	0.101306	0.096861	0.2561	cancer susceptibility candidate 1 [Source:HGNC Symbol;Acc:HGN	chr12:2526	NM_00108	XM_01701	.	.	NP_001076	XP_005253	protein_co	ENSG0000	55259	29599
CASC10	0.773646	0.858944	1.31162	0.624233	0.853337	1.24928	cancer susceptibility candidate 10 [Source:HGNC Symbol;Acc:HGN	chr10:2178	NM_00101	.	.	.	NP_001010	.	protein_co	ENSG0000	399726	31448
CASC3	26.1293	27.3913	23.5827	23.9958	22.6513	23.5111	cancer susceptibility candidate 3 [Source:HGNC Symbol;Acc:HGN	chr17:3829	NM_00735	XM_00525	NR_106926	.	NP_031385	XP_005257	protein_co	ENSG0000	102466986	17040
CASC4	31.8555	32.9538	30.9733	28.2796	30.8009	32.0761	cancer susceptibility candidate 4 [Source:HGNC Symbol;Acc:HGN	chr15:4458	NM_13842	.	.	.	NP_612432	.	protein_co	ENSG0000	113201	24892
CASC5	6.73113	6.32483	6.83949	8.28269	12.1897	11.8329	kinetochore scaffold 1 [Source:HGNC Symbol;Acc:HGNC:24054]	chr15:4088	NM_14450	XM_01702	.	.	NP_653091	XP_016877	protein_co	ENSG0000	57082	24054
CASD1	1.05525	1.40411	1.60521	0.748568	1.15763	1.98054	CAS1 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:1601	chr7:94139	NM_02290	XM_01151	.	.	NP_075051	XP_011514	protein_co	ENSG0000	64921	16014
CASK	8.50467	8.40861	8.3137	7.55784	9.11915	8.57799	calcium/calmodulin dependent serine protein kinase [Source:HGN	chrX:41374	NM_00112	XM_01154	.	.	NP_001119	XP_005272	protein_co	ENSG0000	8573	1497
CASKIN1	1.54205	1.35144	2.1526	1.28453	1.01328	1.24451	CASK interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:2087	chr16:2205	NM_02076	.	.	.	NP_065815	.	protein_co	ENSG0000	57524	20879
CASKIN2	8.94869	8.95555	7.45971	9.40585	9.53673	7.81307	CASK interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:1820	chr17:7349	NM_00114	.	.	.	NP_001136	.	protein_co	ENSG0000	57513	18200
CASP1	0.061911	0	0	0	0	0	caspase 1 [Source:HGNC Symbol;Acc:HGNC:1499]	chr11:1048	NM_00122	XM_01154	.	.	NP_001214	XP_016873	protein_co	ENSG0000	834	1499
CASP10	1.83452	2.13474	2.29707	1.62389	1.39189	2.08113	caspase 10 [Source:HGNC Symbol;Acc:HGNC:1500]	chr2:20204	NM_00120	XM_01151	.	.	NP_001193	XP_005246	protein_co	ENSG0000	843	1500
CASP14	0	0	0	0	0	0	caspase 14 [Source:HGNC Symbol;Acc:HGNC:1502]	chr19:1516	NM_01211	XM_01152	.	.	NP_036246	XP_011526	protein_co	ENSG0000	23581	1502
CASP2	29.0122	27.6599	24.496	27.6527	29.3856	27.4818	caspase 2 [Source:HGNC Symbol;Acc:HGNC:1503]	chr7:14298	NM_03298	.	.	.	NP_116764	.	protein_co	ENSG0000	835	1503
CASP3	12.3422	11.6634	10.5713	15.7103	17.5482	16.1025	caspase 3 [Source:HGNC Symbol;Acc:HGNC:1504]	chr4:18554	NM_00434	XM_01153	.	.	NP_004337	XP_011530	protein_co	ENSG0000	836	1504
CASP4	19.0748	17.0222	12.2125	9.24178	8.35624	8.04868	caspase 4 [Source:HGNC Symbol;Acc:HGNC:1505]	chr11:1048	NM_00122	XM_01154	.	.	NP_001216	XP_011541	protein_co	ENSG0000	837	1505
CASP5	0	0	0	0	0	0	caspase 5 [Source:HGNC Symbol;Acc:HGNC:1506]	chr11:1048	NM_00113	XM_01154	.	.	NP_001129	.	protein_co	ENSG0000	838	1506
CASP6	15.7658	14.9671	13.3988	19.2638	19.794	12.7515	caspase 6 [Source:HGNC Symbol;Acc:HGNC:1507]	chr4:11048	NM_00122	.	.	.	NP_001217	.	protein_co	ENSG0000	839	1507
CASP7	23.457	24.5807	24.4818	27.9506	26.7305	22.6583	caspase 7 [Source:HGNC Symbol;Acc:HGNC:1508]	chr10:1154	NM_00122	XM_01154	.	.	NP_001218	XP_006718	protein_co	ENSG0000	840	1508
CASP8	18.6617	19.1043	13.9211	17.8179	17.1098	14.5861	caspase 8 [Source:HGNC Symbol;Acc:HGNC:1509]	chr2:20209	NM_00108	XM_01151	.	.	NP_001073	XP_005246	protein_co	ENSG0000	841	1509
CASP8AP2	6.81252	6.26775	6.73467	6.05169	9.09095	7.58876	caspase 8 associated protein 2 [Source:HGNC Symbol;Acc:HGNC:1	chr6:90539	NM_00113	.	.	.	NP_001131	.	protein_co	ENSG0000	9994	1510
CASP9	6.36326	5.24438	6.62927	4.65976	4.89917	5.2556	caspase 9 [Source:HGNC Symbol;Acc:HGNC:1511]	chr1:15802	NM_00122	XM_01154	.	.	NP_001220	XP_005246	protein_co	ENSG0000	842	1511
CASQ1	0	0.031566	0	0	0	0	calsequestrin 1 [Source:HGNC Symbol;Acc:HGNC:1512]	chr1:16016	NM_00123	.	.	.	NP_001222	.	protein_co	ENSG0000	844	1512
CASQ2	0.024252	0	0	0	0	0	calsequestrin 2 [Source:HGNC Symbol;Acc:HGNC:1513]	chr1:11624	NM_00123	.	.	.	NP_001223	.	protein_co	ENSG0000	845	1513
CASS4	0.199668	0.228174	0.070943	0.064733	0.287023	0.115008	Cas scaffolding protein family member 4 [Source:HGNC Symbol;A	chr20:5498	NM_00116	XM_00672	.	.	NP_001157	XP_006723	protein_co	ENSG0000	57091	15878
CAST	37.0984	37.3827	32.8236	35.0927	33.0905	36.9174	calpastatin [Source:HGNC Symbol;Acc:HGNC:1515]	chr5:95997	NM_00104	XM_01700	.	.	NP_001035	XP_006714	protein_co	ENSG0000	831	1515
CASZ1	1.50865	1.68805	1.85044	1.56128	1.19081	2.0073	castor zinc finger 1 [Source:HGNC Symbol;Acc:HGNC:26002]	chr1:10696	NM_00107	XM_01154	.	.	NP_001073	XP_005263	protein_co	ENSG0000	54897	26002
CAT	24.5007	25.5194	35.278	29.5415	25.0506	35.0521	catalase [Source:HGNC Symbol;Acc:HGNC:1516]	chr11:3446	NM_00175	.	.	.	NP_001743	.	protein_co	ENSG0000	847	1516
CATIP	0.057026	0.056979	0.197468	0	0	0	ciliogenesis associated TTC17 interacting protein [Source:HGNC S	chr2:21922	NM_19855	XM_01151	.	.	NP_001307	XP_005246	protein_co	ENSG0000	375307	25062
CATSPER1	0.429822	0.40158	0.420952	0.371018	0.231463	0.625394	cation channel sperm associated 1 [Source:HGNC Symbol;Acc:HG	chr11:6578	NM_05305	.	.	.	NP_444282	.	protein_co	ENSG0000	117144	17116
CATSPER2	0.890991	0.470475	0.567611	0.405764	0.516149	0.450063	cation channel sperm associated 2 [Source:HGNC Symbol;Acc:HG	chr15:4392	NM_00128	XM_01702	.	.	NP_001269	XP_011519	protein_co	ENSG0000	117155	18810
CATSPER3	1.16601	1.65104	1.41565	0.814842	1.16838	1.09122	cation channel sperm associated 3 [Source:HGNC Symbol;Acc:HG	chr5:13424	NM_17801	.	.	.	NP_821138	.	protein_co	ENSG0000	347732	20819
CATSPER4	0.035611	0	0.030928	0	0.08189	0.038225	cation channel sperm associated 4 [Source:HGNC Symbol;Acc:HG	chr1:26517	NM_19813	XM_01154	.	.	NP_937770	XP_011539	protein_co	ENSG0000	378807	23220
CATSPERB	0.068319	0.07387	0.138651	0.078561	0.075095	0.065703	cation channel sperm associated auxiliary subunit beta [Source:H	chr14:9204	NM_02476	.	.	.	NP_079040	.	protein_co	ENSG0000	79820	20500
CATSPERD	0	0	0	0	0	0	cation channel sperm associated auxiliary subunit delta [Source:H	chr19:5720	NM_15278	XM_01152	.	.	NP_689997	XP_011526	protein_co	ENSG0000	257062	28598
CATSPERG	0.138089	0.139062	0.18719	0.021444	0.159113	0.042428	cation channel sperm associated auxiliary subunit gamma [Source	chr19:3882	NM_02118	XM_01702	.	.	NP_067008	XP_005259	protein_co	ENSG0000	57828	25243
CATX-2	0	0	0	0	0	0	HCG1989573; Uncharacterized protein [Source:UniProtKB/TrEMI	chr2:74418	.	.	.	.	.	.	protein_co	ENSG0000	.	.
CAV1	112.905	119.712	92.3458	152.472	157.794	112.117	caveolin 1 [Source:HGNC Symbol;Acc:HGNC:1527]	chr7:11616	NM_00117	.	.	.	NP_001166	.	protein_co	ENSG0000	857	1527
CAV2	53.126	53.1798	40.5488	68.3256	60.6649	49.7073	caveolin 2 [Source:HGNC Symbol;Acc:HGNC:1528]	chr7:11613	NM_00120	.	.	.	NP_001193	.	protein_co	ENSG0000	858	1528
CAV3	0	0	0	0	0	0	caveolin 3 [Source:HGNC Symbol;Acc:HGNC:1529]	chr3:87754	NM_00123	.	.	.	NP_001225	.	protein_co	ENSG0000	859	1529
CBARP	4.77845	5.10511	6.42723	4.46467	4.39329	4.5578	CACN beta subunit associated regulatory protein [Source:HGNC S	chr19:1205	NM_15276	XM_01152	.	.	NP_689982	XP_011526	protein_co	ENSG0000	255057	28617
CBFA2T2	3.3052	3.85325	4.10883	2.64708	3.59635	3.79655	CBFA2/RUNX1 translocation partner 2 [Source:HGNC Symbol;Acc	chr20:3207	NM_00103	XM_01702	.	.	NP_001028	XP_006723	protein_co	ENSG0000	9139	1536
CBFA2T3	5.35218	5.03153	5.9879	5.36486	4.57375	3.71832	CBFA2/RUNX1 translocation partner 3 [Source:HGNC Symbol;Acc	chr16:8894	NM_00518	XM_01152	.	.	NP_005178	XP_005256	protein_co	ENSG0000	863	1537
CBFB	34.2906	41.5568	32.7904	46.2573	50.1292	48.3833	core-binding factor beta subunit [Source:HGNC Symbol;Acc:HGN	chr16:6706	NM_00175	XM_00672	.	.	NP_001746	XP_005256	protein_co	ENSG0000	865	1539
CBL	9.84391	10.4669	13.0685	11.1465	12.5331	14.0834	Cbl proto-oncogene [Source:HGNC Symbol;Acc:HGNC:1541]	chr11:1190	NM_00518	XM_01701	.	.	NP_005179	XP_016874	protein_co	ENSG0000	867	1541
CBLB	2.89277	2.83684	2.22668	2.53157	3.80476	3.75682	Cbl proto-oncogene B [Source:HGNC Symbol;Acc:HGNC:1542]	chr3:10537	NM_00132	XM_01700	.	.	NP_001308	XP_005247	protein_co	ENSG0000	868	1542

CBLC	17.3734	19.1248	19.4145	19.4273	13.327	13.7527	Cbl proto-oncogene C [Source:HGNC Symbol;Acc:HGNC:15961]	chr19:4528	NM_00113	.	.	.	NP_00112	XP_005258	protein_co	ENSG0000	23624	15961
CBLL1	14.7177	19.7569	16.8075	17.338	15.2569	15.6207	Cbl proto-oncogene like 1 [Source:HGNC Symbol;Acc:HGNC:2122	chr7:10738	NM_00128	.	.	.	NP_00127	XP_016868	protein_co	ENSG0000	79872	21225
CBLN1	0	0	0	0	0	0	cerebellin 1 precursor [Source:HGNC Symbol;Acc:HGNC:1543]	chr16:4931	NM_00435	.	.	.	NP_00434	.	protein_co	ENSG0000	869	1543
CBLN2	0	0	0	0	0	0	cerebellin 2 precursor [Source:HGNC Symbol;Acc:HGNC:1544]	chr18:7020	NM_18251	XM_01152	.	.	NP_87231	XP_006722	protein_co	ENSG0000	147381	1544
CBLN3	0.745905	0.550831	1.04422	0.62737	0.464028	0.771679	cerebellin 3 precursor [Source:HGNC Symbol;Acc:HGNC:20146]	chr14:2489	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	643866	20146
CBLN4	0	0	0	0	0	0	cerebellin 4 precursor [Source:HGNC Symbol;Acc:HGNC:16231]	chr20:5457	NM_08061	.	.	.	NP_54218	.	protein_co	ENSG0000	140689	16231
CBR1	0	0	0	0	0	0	carbonyl reductase 1 [Source:HGNC Symbol;Acc:HGNC:1548]	chr21:3740	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	873	1548
CBR3	2.79509	3.20671	2.592	3.26307	2.6785	2.18174	carbonyl reductase 3 [Source:HGNC Symbol;Acc:HGNC:1549]	chr21:3750	NM_00123	.	.	.	NP_00122	.	protein_co	ENSG0000	874	1549
CBR4	12.4637	12.7808	15.0747	12.6827	14.801	17.6656	carbonyl reductase 4 [Source:HGNC Symbol;Acc:HGNC:25891]	chr4:16990	NM_03278	XM_00671	.	.	NP_11617	XP_005263	protein_co	ENSG0000	84869	25891
CBS	0.088844	0.057782	0.333152	5.55E-06	0	0	cystathionine-beta-synthase [Source:HGNC Symbol;Acc:HGNC:15	chr21:4447	NM_00007	XM_01702	.	.	NP_00006	XP_011528	protein_co	ENSG0000	10272456	1550
CBSL	0.000729	0.000737	0.000589	0.036934	0	0	cystathionine-beta-synthase like [Source:HGNC Symbol;Acc:HGN	chr21:4447	NM_00132	XM_01702	.	.	NP_00130	XP_011544	protein_co	ENSG0000	10272456	51829
CBWD1	15.1388	13.734	12.7541	14.071	13.7945	12.9112	COBW domain containing 1 [Source:HGNC Symbol;Acc:HGNC:171	chr9:12103	NM_00114	XM_01151	.	.	NP_00113	XP_005251	protein_co	ENSG0000	55871	17134
CBWD2	7.6743	7.22718	9.20118	5.05174	5.98997	6.87213	COBW domain containing 2 [Source:HGNC Symbol;Acc:HGNC:179	chr2:11419	NM_17200	XM_01151	.	.	NP_74200	XP_005263	protein_co	ENSG0000	150472	17907
CBWD3	0.341626	0.205075	0.47407	0.095136	0.140491	0.206379	COBW domain containing 3 [Source:HGNC Symbol;Acc:HGNC:185	chr9:70856	NM_00129	XM_01701	.	.	NP_00127	XP_005277	protein_co	ENSG0000	644019	18519
CBWD5	19.0182	22.6793	19.5408	18.4563	15.4472	13.8548	COBW domain containing 5 [Source:HGNC Symbol;Acc:HGNC:245	chr9:70432	NM_00102	XM_01703	.	.	NP_00102	XP_005272	protein_co	ENSG0000	644019	24584
CBWD6	2.35728	1.74399	2.60263	1.42454	1.80081	1.34043	.	chr9:69204	.	.	.	.	.	.	unprocesse	ENSG0000	.	.
CBWD7	0	0	0	0	0	0	COBW domain containing 7 [Source:HGNC Symbol;Acc:HGNC:319	chr9:42671	NM_00108	.	.	.	NP_00107	XP_016870	protein_co	ENSG0000	644019	31977
CBX1	110.839	110.173	106.301	128.306	135.885	126.834	chromobox 1 [Source:HGNC Symbol;Acc:HGNC:1551]	chr17:4614	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	10951	1551
CBX2	17.9103	18.8451	18.344	25.4695	24.3849	18.3051	chromobox 2 [Source:HGNC Symbol;Acc:HGNC:1552]	chr17:7775	NM_00518	XM_01152	.	.	NP_00518	XP_011523	protein_co	ENSG0000	84733	1552
CBX3	207.802	205.485	186.534	235.444	261.38	239.35	chromobox 3 [Source:HGNC Symbol;Acc:HGNC:1553]	chr7:26240	NM_00727	XM_00524	.	.	NP_00920	XP_005249	protein_co	ENSG0000	11335	1553
CBX4	21.9809	23.1501	17.0061	21.6241	20.4213	35.4465	chromobox 4 [Source:HGNC Symbol;Acc:HGNC:1554]	chr17:7780	NM_00365	.	.	.	NP_00364	.	protein_co	ENSG0000	8535	1554
CBX5	26.8632	27.0498	29.2809	32.113	39.2169	42.7413	chromobox 5 [Source:HGNC Symbol;Acc:HGNC:1555]	chr12:5462	NM_00112	.	NR_03985	.	NP_00112	.	protein_co	ENSG0000	10061640	1555
CBX6	56.0738	61.1856	57.0457	56.7689	54.9995	48.0222	chromobox 6 [Source:HGNC Symbol;Acc:HGNC:1556]	chr22:3925	NM_00130	XM_01153	.	.	NP_00129	.	protein_co	ENSG0000	23466	1556
CBX7	9.14076	9.99967	9.77432	7.94671	7.76223	7.76784	chromobox 7 [Source:HGNC Symbol;Acc:HGNC:1557]	chr22:3952	NM_17570	XM_01702	.	.	NP_78364	XP_005261	protein_co	ENSG0000	23492	1557
CBX8	10.91	10.3565	9.79965	11.2863	10.4265	8.98511	chromobox 8 [Source:HGNC Symbol;Acc:HGNC:15962]	chr17:7776	NM_02064	.	.	.	NP_06570	.	protein_co	ENSG0000	57332	15962
CBY1	21.0624	21.7347	22.8896	20.668	17.5849	20.601	chibby family member 1, beta catenin antagonist [Source:HGNC S	chr22:3905	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	25776	1307
CBY3	0	0	0	0	0	0	chibby family member 3 [Source:HGNC Symbol;Acc:HGNC:33278]	chr5:17910	NM_00116	.	.	.	NP_00115	XP_016865	protein_co	ENSG0000	646019	33278
CC2D1A	11.5899	11.6894	13.0747	11.2294	10.7315	12.0339	coiled-coil and C2 domain containing 1A [Source:HGNC Symbol;A	chr19:1401	NM_01772	XM_00525	.	.	NP_06019	XP_005260	protein_co	ENSG0000	54862	30237
CC2D1B	11.2028	9.92146	8.30089	7.40671	6.64326	5.24264	coiled-coil and C2 domain containing 1B [Source:HGNC Symbol;A	chr1:52816	NM_03244	XM_00671	.	.	NP_11582	XP_005270	protein_co	ENSG0000	200014	29386
CC2D2A	6.46879	7.63339	4.2128	7.48331	4.67558	4.11973	coiled-coil and C2 domain containing 2A [Source:HGNC Symbol;A	chr4:15471	NM_00108	XM_01700	.	.	NP_00107	XP_005248	protein_co	ENSG0000	57545	29253
CC2D2B	0	0.051542	0.041443	0	0.052315	0.046116	coiled-coil and C2 domain containing 2B [Source:HGNC Symbol;A	chr10:9773	NM_00100	XM_01153	.	.	NP_00100	XP_011538	protein_co	ENSG0000	100127889	31666
CCAR1	25.0603	24.5773	24.8411	28.1582	32.9698	34.0561	cell division cycle and apoptosis regulator 1 [Source:HGNC Symbo	chr10:7048	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	55749	24236
CCAR2	66.437	79.4181	72.5958	80.7296	77.3807	53.2432	cell cycle and apoptosis regulator 2 [Source:HGNC Symbol;Acc:H	chr8:22462	NM_02117	XM_01701	.	.	NP_06699	XP_011542	protein_co	ENSG0000	57805	23360
CCBE1	0.10071	0.138898	0.310784	0.148589	0.252602	0.407307	collagen and calcium binding EGF domains 1 [Source:HGNC Symb	chr18:5709	NM_13345	XM_00526	.	.	NP_59771	XP_005266	protein_co	ENSG0000	147372	29426
CCDC102A	2.16581	2.48043	2.0495	1.82437	1.63133	1.78247	coiled-coil domain containing 102A [Source:HGNC Symbol;Acc:H	chr16:5754	NM_03321	XM_01152	.	.	NP_14998	XP_011521	protein_co	ENSG0000	92922	28097
CCDC102B	0.107409	0.161421	0.414066	0.194493	0.080112	0.078329	coiled-coil domain containing 102B [Source:HGNC Symbol;Acc:H	chr18:6646	NM_00109	XM_01702	.	XR_935251	NP_00108	XP_011524	protein_co	ENSG0000	79839	26295
CCDC103	0.59435	0.52419	0.837876	0.3879	0.961846	0.314903	coiled-coil domain containing 103 [Source:HGNC Symbol;Acc:HG	chr17:4297	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	388389	32700
CCDC105	0	0	0	0	0	0	coiled-coil domain containing 105 [Source:HGNC Symbol;Acc:HG	chr19:1512	NM_17348	.	.	.	NP_77575	.	protein_co	ENSG0000	126402	26866
CCDC106	0.670061	0.680927	0.406595	0.42828	0.653034	0.331738	coiled-coil domain containing 106 [Source:HGNC Symbol;Acc:HG	chr19:5615	NM_01330	XM_00525	.	.	NP_03743	XP_005258	protein_co	ENSG0000	29903	30181
CCDC107	10.6908	8.74691	8.52686	9.0997	7.78183	6.08629	coiled-coil domain containing 107 [Source:HGNC Symbol;Acc:HG	chr9:35658	NM_00119	XM_00525	.	.	NP_00118	XP_005251	protein_co	ENSG0000	203260	28465
CCDC109B	8.29188	8.38797	9.88968	8.78666	9.16824	13.5198	mitochondrial calcium uniporter dominant negative beta subunit	chr4:11048	NM_01791	.	.	.	NP_06038	XP_006714	protein_co	ENSG0000	55013	26076
CCDC110	0.552087	0.733848	0.913555	0.646249	0.925781	1.24571	coiled-coil domain containing 110 [Source:HGNC Symbol;Acc:HG	chr4:18635	NM_00114	XM_01700	.	.	NP_00113	XP_005262	protein_co	ENSG0000	256309	28504
CCDC112	6.74601	6.35589	6.56651	7.14321	9.28088	8.29532	coiled-coil domain containing 112 [Source:HGNC Symbol;Acc:HG	chr5:11460	NM_00104	XM_00527	.	.	NP_00103	XP_005271	protein_co	ENSG0000	153733	28599
CCDC113	5.20048	5.28143	6.38459	4.82964	4.35256	5.18424	coiled-coil domain containing 113 [Source:HGNC Symbol;Acc:HG	chr16:5828	NM_00114	XM_01702	.	.	NP_00113	XP_011521	protein_co	ENSG0000	29070	25002
CCDC114	0.506238	0.36886	0.913751	0.25966	0.43422	0.704658	coiled-coil domain containing 114 [Source:HGNC Symbol;Acc:HG	chr19:4879	NM_14457	XM_01152	.	.	NP_65317	XP_005259	protein_co	ENSG0000	93233	26560
CCDC115	19.4122	21.0039	19.6662	15.9302	15.6621	12.3984	coiled-coil domain containing 115 [Source:HGNC Symbol;Acc:HG	chr2:13109	NM_03235	XM_00526	.	.	NP_00130	XP_005263	protein_co	ENSG0000	84317	28178
CCDC116	0.163169	0.128858	0.312965	0.155015	0.169594	0.181571	coiled-coil domain containing 116 [Source:HGNC Symbol;Acc:HG	chr22:2198	NM_15261	XM_00672	.	.	NP_68982	XP_006724	protein_co	ENSG0000	164592	26688
CCDC117	15.7332	15.8327	15.3586	13.2795	15.5849	16.6343	coiled-coil domain containing 117 [Source:HGNC Symbol;Acc:HG	chr22:2916	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	150275	26599
CCDC12	25.1222	26.2545	20.594	31.3541	23.3129	19.3056	coiled-coil domain containing 12 [Source:HGNC Symbol;Acc:HGN	chr3:46963	NM_00127	XM_01153	.	.	NP_00126	XP_011531	protein_co	ENSG0000	151903	28332
CCDC120	4.69927	5.63334	6.00988	3.78433	3.26633	3.74	coiled-coil domain containing 120 [Source:HGNC Symbol;Acc:HG	chrX:48911	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	90060	28910
CCDC121	1.44041	1.80544	0.90598	1.71513	1.52413	1.33004	coiled-coil domain containing 121 [Source:HGNC Symbol;Acc:HG	chr2:27848	NM_00114	XM_00526	.	.	NP_00113	XP_005264	protein_co	ENSG0000	79635	25833
CCDC122	1.14822	0.964063	1.23641	1.19998	1.22755	1.85576	coiled-coil domain containing 122 [Source:HGNC Symbol;Acc:HG	chr13:4441	NM_14497	.	.	.	NP_65941	XP_016875	protein_co	ENSG0000	160857	26478
CCDC124	115.053	121.82	106.453	138.271	108.356	90.3769	coiled-coil domain containing 124 [Source:HGNC Symbol;Acc:HG	chr19:1804	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	115098	25171
CCDC125	6.89817	6.61855	6.97215	6.34939	7.33355	8.57793	coiled-coil domain containing 125 [Source:HGNC Symbol;Acc:HG	chr5:68576	NM_00129	XM_01154	.	.	NP_00128	XP_005248	protein_co	ENSG0000	202243	28924
CCDC126	3.66314	2.94582	3.066	2.38162	4.07198	4.10366	coiled-coil domain containing 126 [Source:HGNC Symbol;Acc:HG	chr7:23636	NM_13877	.	.	.	NP_62012	XP_016868	protein_co	ENSG0000	90693	22398
CCDC127	2.71356	2.9581	2.52221	2.48736	2.2674	2.56506	coiled-coil domain containing 127 [Source:HGNC Symbol;Acc:HG	chr5:19698	NM_14526	.	.	.	NP_66030	.	protein_co	ENSG0000	133957	30520
CCDC129	0	0	0	0	0	0	coiled-coil domain containing 129 [Source:HGNC Symbol;Acc:HG	chr7:31553	NM_00125	XM_01151	.	.	NP_00124	XP_011513	protein_co	ENSG0000	223075	27363
CCDC13	0.216542	0.2748	0.275165	0.361602	0.319359	0.150365	coiled-coil domain containing 13 [Source:HGNC Symbol;Acc:HGN	chr3:42749	NM_14471	XM_01153	.	.	NP_65332	XP_005264	protein_co	ENSG0000	152206	26358
CCDC130	10.1074	9.02958	8.66523	10.207	8.94049	9.39167	coiled-coil domain containing 130 [Source:HGNC Symbol;Acc:HG	chr19:1384	NM_00132	XM_00526	.	.	NP_00130	XP_005260	protein_co	ENSG0000	81576	28118

CCDC134	4.59773	4.3893	4.49946	5.81031	5.85053	4.9802	coiled-coil domain containing 134 [Source:HGNC Symbol;Acc:HGN	chr22:4219	NM_00130	XM_00526	.	.	NP_00129	XP_005261	protein_co	ENSG0000	79879	26185
CCDC136	1.39402	1.68515	1.9376	1.3288	1.41617	1.4764	coiled-coil domain containing 136 [Source:HGNC Symbol;Acc:HGN	chr7:12843	NM_00120	XM_00671	.	.	NP_00118	XP_005250	protein_co	ENSG0000	64753	22225
CCDC137	41.8387	38.7406	38.6054	52.8524	44.9126	33.9545	coiled-coil domain containing 137 [Source:HGNC Symbol;Acc:HGN	chr17:7963	NM_19928	.	.	.	NP_95498	.	protein_co	ENSG0000	339230	33451
CCDC138	3.79318	2.73843	3.9603	3.09514	6.48609	5.74006	coiled-coil domain containing 138 [Source:HGNC Symbol;Acc:HGN	chr2:10940	NM_00130	XM_01151	.	.	NP_00129	XP_006712	protein_co	ENSG0000	165055	26531
CCDC14	25.9495	24.0846	27.2475	24.305	33.4499	29.3014	coiled-coil domain containing 14 [Source:HGNC Symbol;Acc:HGN	chr3:12363	NM_02275	XM_01700	.	.	NP_00129	XP_005247	protein_co	ENSG0000	64770	25766
CCDC140	0	0	0	0	0	0	coiled-coil domain containing 140 [Source:HGNC Symbol;Acc:HGN	chr2:22306	NM_15303	.	.	.	NP_69458	XP_016858	protein_co	ENSG0000	151278	26514
CCDC141	0	0	0	0	0	0	coiled-coil domain containing 141 [Source:HGNC Symbol;Acc:HGN	chr2:17973	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	285025	26821
CCDC142	2.53275	2.86302	3.21774	2.49449	1.93236	2.1791	coiled-coil domain containing 142 [Source:HGNC Symbol;Acc:HGN	chr2:74700	NM_03277	.	.	.	NP_11616	.	protein_co	ENSG0000	84865	25889
CCDC144A	0	0	0.020542	0	0.051576	0.009989	coiled-coil domain containing 144A [Source:HGNC Symbol;Acc:HG	chr17:1659	NM_01469	XM_00672	.	.	NP_05551	XP_016880	protein_co	ENSG0000	9720	29072
CCDC144NL	0	0	0.026276	0	0	0	coiled-coil domain containing 144 family, N-terminal like [Source:	chr17:2076	NM_00100	.	.	.	NP_00100	XP_011522	protein_co	ENSG0000	339184	33735
CCDC146	1.55888	1.20178	1.93342	1.14844	1.52697	1.99232	coiled-coil domain containing 146 [Source:HGNC Symbol;Acc:HGN	chr7:76751	NM_02087	.	.	.	NP_06593	.	protein_co	ENSG0000	57639	29296
CCDC148	0.34403	0.291177	0.162832	0.446296	0.213108	0.193749	coiled-coil domain containing 148 [Source:HGNC Symbol;Acc:HGN	chr2:15902	NM_00130	XM_01151	.	.	NP_00128	XP_005246	protein_co	ENSG0000	130940	25191
CCDC149	1.19932	1.16578	1.26544	1.25837	1.16056	1.05687	coiled-coil domain containing 149 [Source:HGNC Symbol;Acc:HGN	chr4:24807	NM_00113	XM_01700	.	.	NP_00112	XP_005248	protein_co	ENSG0000	91050	25405
CCDC15	1.2199	1.15614	0.92359	1.65364	1.60405	1.38009	coiled-coil domain containing 15 [Source:HGNC Symbol;Acc:HGN	chr11:1248	NM_02500	.	.	.	NP_07928	.	protein_co	ENSG0000	80071	25798
CCDC150	6.60018	5.6303	4.6115	4.42368	4.55098	3.03285	coiled-coil domain containing 150 [Source:HGNC Symbol;Acc:HGN	chr2:19750	NM_00108	XM_01151	.	.	NP_00107	XP_006712	protein_co	ENSG0000	284992	26834
CCDC151	0.204564	0.176848	0.507926	0.349514	0.246309	0.327306	coiled-coil domain containing 151 [Source:HGNC Symbol;Acc:HGN	chr19:1153	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	115948	28303
CCDC152	0	0.02642	0.021093	0	0.026542	0	coiled-coil domain containing 152 [Source:HGNC Symbol;Acc:HGN	chr5:42756	NM_00113	XM_01151	.	.	NP_00112	.	protein_co	ENSG0000	100129792	34438
CCDC153	1.73017	0.642856	1.16632	1.1097	1.12677	0.695552	coiled-coil domain containing 153 [Source:HGNC Symbol;Acc:HGN	chr11:1190	NM_00114	XM_01154	.	.	NP_00113	XP_011541	protein_co	ENSG0000	283152	27446
CCDC154	0.192259	0.061462	0.055129	0.236093	0.113452	0.07319	coiled-coil domain containing 154 [Source:HGNC Symbol;Acc:HGN	chr16:1484	NM_00114	XM_01152	.	.	NP_00113	.	protein_co	ENSG0000	645811	34454
CCDC155	0.028254	0.028018	0	0.030317	0.06525	0	coiled-coil domain containing 155 [Source:HGNC Symbol;Acc:HGN	chr19:4989	NM_14468	XM_01152	.	.	NP_65328	XP_005258	protein_co	ENSG0000	147872	26520
CCDC157	1.26225	1.24507	1.99686	1.32938	0.863314	1.02344	coiled-coil domain containing 157 [Source:HGNC Symbol;Acc:HGN	chr22:3072	NM_00101	XM_01153	.	.	NP_00101	XP_006724	protein_co	ENSG0000	550631	33854
CCDC158	0	0	0	0	0	0	coiled-coil domain containing 158 [Source:HGNC Symbol;Acc:HGN	chr4:77234	NM_00104	XM_01153	.	.	NP_00103	XP_005263	protein_co	ENSG0000	339965	26374
CCDC159	1.91452	1.78328	1.61439	1.51786	0.587507	0.693014	coiled-coil domain containing 159 [Source:HGNC Symbol;Acc:HGN	chr19:1140	NM_00108	XM_00672	.	.	NP_00107	XP_006722	protein_co	ENSG0000	126075	26996
CCDC160	0.122292	0.354705	0.178641	0.194389	0.249953	0.220237	coiled-coil domain containing 160 [Source:HGNC Symbol;Acc:HGN	chrX:13337	NM_00110	XM_00526	.	.	NP_00109	XP_005262	protein_co	ENSG0000	347475	37286
CCDC163P	1.82527	3.21066	1.80101	4.54382	3.69151	3.21745	coiled-coil domain containing 163 [Source:HGNC Symbol;Acc:HGN	chr1:45960	.	.	.	.	.	.	protein_co	ENSG0000	.	27003
CCDC166	0	0	0	0	0	0	coiled-coil domain containing 166 [Source:HGNC Symbol;Acc:HGN	chr8:14478	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	100130274	41910
CCDC167	24.7105	24.4959	21.0101	23.2352	19.2772	23.3894	coiled-coil domain containing 167 [Source:HGNC Symbol;Acc:HGN	chr6:37450	NM_13849	.	.	.	NP_61250	.	protein_co	ENSG0000	154467	21239
CCDC168	0.010233	0.019318	0.015788	0.014685	0.014135	0.002488	coiled-coil domain containing 168 [Source:HGNC Symbol;Acc:HGN	chr13:1033	NM_00114	XM_01152	.	.	NP_00113	XP_011519	protein_co	ENSG0000	643677	26851
CCDC169	0	0	0	0	0	0	coiled-coil domain containing 169 [Source:HGNC Symbol;Acc:HGN	chr13:3674	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	728591	34361
CCDC169-SOHLH2	0.007539	0	0.029482	0	0	0	CCDC169-SOHLH2 readthrough [Source:HGNC Symbol;Acc:HGNC:	chr13:3674	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100526761	38866
CCDC17	0.263427	0.295279	0.03342	0.293954	0.042954	0.171057	coiled-coil domain containing 17 [Source:HGNC Symbol;Acc:HGN	chr1:46085	NM_00111	XM_01154	.	.	NP_00110	XP_011539	protein_co	ENSG0000	149483	26574
CCDC170	0.012558	0	0.032878	0.057074	0.041751	0.074458	coiled-coil domain containing 170 [Source:HGNC Symbol;Acc:HGN	chr6:15181	NM_02505	XM_01153	.	.	NP_07933	XP_011534	protein_co	ENSG0000	80129	21177
CCDC171	0.708431	0.505556	0.57115	0.466149	0.54648	0.567363	coiled-coil domain containing 171 [Source:HGNC Symbol;Acc:HGN	chr9:15552	NM_17355	XM_01151	.	.	NP_77582	XP_005251	protein_co	ENSG0000	203238	29828
CCDC172	0	0	0	0	0	0	coiled-coil domain containing 172 [Source:HGNC Symbol;Acc:HGN	chr10:1180	NM_19851	XM_00671	.	.	NP_94091	XP_006717	protein_co	ENSG0000	374355	30524
CCDC173	0.180366	0.194111	0.022856	0.20796	0.114505	0.149708	coiled-coil domain containing 173 [Source:HGNC Symbol;Acc:HGN	chr2:17050	NM_00108	XM_01151	.	.	NP_00107	XP_011508	protein_co	ENSG0000	129881	25064
CCDC174	6.62295	5.99215	6.14169	5.94654	6.15849	6.61689	coiled-coil domain containing 174 [Source:HGNC Symbol;Acc:HGN	chr3:14693	NM_01647	.	.	.	NP_05755	XP_016862	protein_co	ENSG0000	51244	28033
CCDC175	0	0	0.019963	0	0	0	coiled-coil domain containing 175 [Source:HGNC Symbol;Acc:HGN	chr14:5995	NM_00116	XM_01153	.	.	NP_00115	XP_011535	protein_co	ENSG0000	729665	19847
CCDC177	0	0.053495	0.0468	0.058939	0.032465	0.030724	coiled-coil domain containing 177 [Source:HGNC Symbol;Acc:HGN	chr14:7003	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	56936	23243
CCDC178	0	0	0	0	0	0	coiled-coil domain containing 178 [Source:HGNC Symbol;Acc:HGN	chr18:3051	NM_00110	XM_01702	.	.	NP_00109	XP_011524	protein_co	ENSG0000	374864	29588
CCDC179	0	0	0	0	0	0	coiled-coil domain containing 179 [Source:HGNC Symbol;Acc:HGN	chr11:2286	NM_00119	.	.	.	NP_00118	XP_011518	protein_co	ENSG0000	100500938	44653
CCDC18	2.63233	2.40956	2.79419	2.54575	4.59254	3.55991	coiled-coil domain containing 18 [Source:HGNC Symbol;Acc:HGN	chr1:93615	NM_00130	XM_01700	.	.	NP_00129	XP_011539	protein_co	ENSG0000	343099	30370
CCDC180	1.57165	1.30835	1.60288	1.59677	1.59305	1.44124	coiled-coil domain containing 180 [Source:HGNC Symbol;Acc:HGN	chr9:10006	NM_02089	.	.	.	NP_06594	.	protein_co	ENSG0000	100499483	29303
CCDC181	0	0	0	0	0	0.032337	coiled-coil domain containing 181 [Source:HGNC Symbol;Acc:HGN	chr1:16933	NM_00130	XM_01700	.	.	NP_00128	XP_005245	protein_co	ENSG0000	57821	28051
CCDC182	0	0	0	0	0.124551	0	coiled-coil domain containing 182 [Source:HGNC Symbol;Acc:HGN	chr17:5582	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	101927581	49392
CCDC183	0.2975	0.065599	0.60635	0.071032	0.116036	0.218876	coiled-coil domain containing 183 [Source:HGNC Symbol;Acc:HGN	chr9:13969	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	84960	28236
CCDC184	0.237002	0.350107	0.270884	0.17081	0.045591	0.17214	coiled-coil domain containing 184 [Source:HGNC Symbol;Acc:HGN	chr12:4857	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	387856	33749
CCDC185	0	0	0	0	0	0	coiled-coil domain containing 185 [Source:HGNC Symbol;Acc:HGN	chr1:22356	NM_15261	.	.	.	NP_68982	.	protein_co	ENSG0000	164127	26654
CCDC186	5.65412	5.92522	5.77146	3.63281	4.7719	6.73463	coiled-coil domain containing 186 [Source:HGNC Symbol;Acc:HGN	chr10:1158	NM_00132	XM_01153	NR_03174	.	NP_00130	XP_005269	protein_co	ENSG0000	100302224	24349
CCDC188	0	0	0	0	0	0	coiled-coil domain containing 188 [Source:HGNC Symbol;Acc:HGN	chr22:2013	.	XM_01153	.	.	.	XP_005261	protein_co	ENSG0000	388849	51899
CCDC189	3.28066	3.76981	3.43397	3.40724	2.40411	2.66766	coiled-coil domain containing 189 [Source:HGNC Symbol;Acc:HGN	chr16:3075	NM_00101	XM_01154	.	.	NP_00101	XP_011544	protein_co	ENSG0000	90835	28078
CCDC190	0	0	0	0	0	0	coiled-coil domain containing 190 [Source:HGNC Symbol;Acc:HGN	chr1:16282	NM_17855	XM_00671	.	.	NP_84864	XP_005245	protein_co	ENSG0000	339512	28736
CCDC191	1.79087	1.52782	1.91662	1.16854	1.63691	1.61492	coiled-coil domain containing 191 [Source:HGNC Symbol;Acc:HGN	chr3:11368	NM_02081	XM_01151	.	.	NP_06586	XP_006713	protein_co	ENSG0000	57577	29272
CCDC192	0.062565	0	0	0	0	0	coiled-coil domain containing 192 [Source:HGNC Symbol;Acc:HGN	chr5:12703	.	.	.	.	NP_00130	.	protein_co	ENSG0000	728586	49566
CCDC22	6.74173	7.03658	5.50827	5.37873	5.36375	4.59857	coiled-coil domain containing 22 [Source:HGNC Symbol;Acc:HGN	chrX:49091	NM_01400	XM_00527	.	.	NP_05472	XP_005272	protein_co	ENSG0000	28952	28909
CCDC24	9.9787	7.99924	11.4583	8.93964	6.80015	6.87465	coiled-coil domain containing 24 [Source:HGNC Symbol;Acc:HGN	chr1:44457	NM_15249	XM_01700	.	.	NP_68971	XP_016855	protein_co	ENSG0000	149473	28688
CCDC25	19.5996	20.7595	21.1337	20.3743	23.6902	21.0195	coiled-coil domain containing 25 [Source:HGNC Symbol;Acc:HGN	chr8:27590	NM_00130	XM_01154	.	.	NP_00129	XP_011542	protein_co	ENSG0000	55246	25591
CCDC27	0	0	0	0	0	0	coiled-coil domain containing 27 [Source:HGNC Symbol;Acc:HGN	chr1:36689	NM_15249	XM_01154	.	.	NP_68970	XP_011539	protein_co	ENSG0000	148870	26546
CCDC28A	7.11114	6.07656	6.86168	5.96327	4.22932	8.80638	coiled-coil domain containing 28A [Source:HGNC Symbol;Acc:HGN	chr6:13904	NM_01543	.	.	.	NP_05625	.	protein_co	ENSG0000	25901	21098
CCDC28B	1.62174	1.47451	1.69812	2.7171	2.7647	2.00275	coiled-coil domain containing 28B [Source:HGNC Symbol;Acc:HGN	chr1:32665	NM_00130	XM_01154	.	.	NP_00128	XP_011540	protein_co	ENSG0000	79140	28163

CCDC3	8.10167	6.3657	10.0956	8.83473	7.36662	9.41891	coiled-coil domain containing 3 [Source:HGNC Symbol;Acc:HGNC	chr10:1293	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	83643	23813
CCDC30	0.129598	0.226979	0.168455	0.018093	0.097498	0.093246	coiled-coil domain containing 30 [Source:HGNC Symbol;Acc:HGN	chr1:42948	NM_00108	XM_01154	.	.	NP_00107	XP_01154	protein_co	ENSG0000	728621	26103
CCDC33	0	0	0.074482	0	0	0	coiled-coil domain containing 33 [Source:HGNC Symbol;Acc:HGN	chr15:7452	NM_00128	XM_01152	.	.	NP_00127	XP_005254	protein_co	ENSG0000	80125	26552
CCDC34	9.86378	9.55993	9.84104	13.3421	13.5999	9.08646	coiled-coil domain containing 34 [Source:HGNC Symbol;Acc:HGN	chr11:2736	NM_03077	.	.	.	NP_11039	.	protein_co	ENSG0000	91057	25079
CCDC36	0	0	0	0	0	0	coiled-coil domain containing 36 [Source:HGNC Symbol;Acc:HGN	chr3:49235	NM_00113	XM_01153	.	.	NP_00112	XP_006713	protein_co	ENSG0000	339834	27945
CCDC38	0.037173	0.07976	0.0643	0.201854	0.155226	0.180981	coiled-coil domain containing 38 [Source:HGNC Symbol;Acc:HGN	chr12:9625	NM_18249	XM_01153	.	.	NP_87230	XP_006719	protein_co	ENSG0000	120935	26843
CCDC39	0.072578	0.039265	0.047961	0.062866	0.059976	0	coiled-coil domain containing 39 [Source:HGNC Symbol;Acc:HGN	chr3:18031	NM_18142	.	NR_10998	.	NP_85209	.	protein_co	ENSG0000	101928882	25244
CCDC40	1.28938	1.51534	1.83283	1.92013	1.38817	1.40393	coiled-coil domain containing 40 [Source:HGNC Symbol;Acc:HGN	chr17:7801	NM_00124	XM_01152	.	.	NP_00123	XP_005257	protein_co	ENSG0000	55036	26090
CCDC42	0	0	0	0	0	0.111419	coiled-coil domain containing 42 [Source:HGNC Symbol;Acc:HGN	chr17:8633	NM_00115	.	.	.	NP_00115	.	protein_co	ENSG0000	146849	26528
CCDC43	20.5372	19.8471	21.3557	19.0326	23.8518	22.0758	coiled-coil domain containing 43 [Source:HGNC Symbol;Acc:HGN	chr17:4275	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	124808	26472
CCDC47	85.8019	83.9202	75.5408	74.332	83.812	71.3646	coiled-coil domain containing 47 [Source:HGNC Symbol;Acc:HGN	chr17:6182	NM_02019	XM_00525	.	.	NP_06458	XP_005257	protein_co	ENSG0000	57003	24856
CCDC50	16.7559	15.1193	14.5722	18.8146	20.3228	21.122	coiled-coil domain containing 50 [Source:HGNC Symbol;Acc:HGN	chr3:19098	NM_17490	.	.	.	NP_77756	.	protein_co	ENSG0000	152137	18111
CCDC51	30.0171	29.8909	31.6814	34.4526	30.3242	21.8551	coiled-coil domain containing 51 [Source:HGNC Symbol;Acc:HGN	chr3:48473	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	79714	25714
CCDC53	7.74503	6.94468	7.62145	9.29617	6.92309	7.81804	coiled-coil domain containing 53 [Source:HGNC Symbol;Acc:HGN	chr12:1024	NM_00130	.	.	.	NP_00128	XP_011536	protein_co	ENSG0000	51019	24256
CCDC54	0	0	0	0	0	0	coiled-coil domain containing 54 [Source:HGNC Symbol;Acc:HGN	chr3:10709	NM_03260	.	.	.	NP_11598	.	protein_co	ENSG0000	84692	30703
CCDC57	14.174	14.3718	17.5857	14.5692	12.9991	10.7625	coiled-coil domain containing 57 [Source:HGNC Symbol;Acc:HGN	chr17:8005	NM_19808	XM_01152	.	.	NP_00130	XP_005256	protein_co	ENSG0000	284001	27564
CCDC58	58.5976	52.0788	46.5624	61.3444	65.9861	54.2813	coiled-coil domain containing 58 [Source:HGNC Symbol;Acc:HGN	chr3:12207	NM_00101	XM_01151	.	.	NP_00101	XP_005247	protein_co	ENSG0000	131076	31136
CCDC59	21.6888	20.3101	18.9516	23.564	20.3636	24.8261	coiled-coil domain containing 59 [Source:HGNC Symbol;Acc:HGN	chr12:8274	NM_01416	.	.	.	NP_05488	.	protein_co	ENSG0000	29080	25005
CCDC6	18.7903	18.3995	17.0466	16.3883	19.1643	18.3903	coiled-coil domain containing 6 [Source:HGNC Symbol;Acc:HGNC	chr10:6154	NM_00543	.	.	.	NP_00542	.	protein_co	ENSG0000	8030	18782
CCDC60	0	0.090218	0	0	0	0	coiled-coil domain containing 60 [Source:HGNC Symbol;Acc:HGN	chr12:1197	NM_17849	XM_01153	.	.	NP_84859	.	protein_co	ENSG0000	160777	28610
CCDC61	1.21386	2.37086	1.5575	1.51977	1.45868	0.937452	coiled-coil domain containing 61 [Source:HGNC Symbol;Acc:HGN	chr19:4649	NM_00126	XM_01152	.	.	NP_00125	XP_005259	protein_co	ENSG0000	729440	33629
CCDC62	0.483477	0.504826	0.409203	0.684748	0.683056	0.748515	coiled-coil domain containing 62 [Source:HGNC Symbol;Acc:HGN	chr12:1232	NM_20143	XM_01153	.	.	NP_95884	XP_006719	protein_co	ENSG0000	84660	30723
CCDC63	0.08216	0.131894	0.096566	0.141961	0.094221	0.165919	coiled-coil domain containing 63 [Source:HGNC Symbol;Acc:HGN	chr12:1112	NM_00128	XM_01153	.	.	NP_00127	XP_006719	protein_co	ENSG0000	160762	26669
CCDC65	0.032868	0.086296	0.072721	0.036594	0.184931	0.1684	coiled-coil domain containing 65 [Source:HGNC Symbol;Acc:HGN	chr12:4929	NM_00128	XM_01153	.	.	NP_00127	.	protein_co	ENSG0000	85478	29937
CCDC66	4.55383	4.06825	3.95535	2.93586	4.07162	3.94595	coiled-coil domain containing 66 [Source:HGNC Symbol;Acc:HGN	chr3:56591	NM_00101	XM_01700	.	.	NP_00101	XP_005265	protein_co	ENSG0000	285331	27709
CCDC67	0	0	0	0	0	0	deuterosome assembly protein 1 [Source:HGNC Symbol;Acc:HGN	chr11:9306	NM_18164	XM_01154	.	.	NP_85759	XP_005273	protein_co	ENSG0000	159989	26344
CCDC68	1.06891	1.49947	1.82153	2.37656	3.0253	4.21598	coiled-coil domain containing 68 [Source:HGNC Symbol;Acc:HGN	chr18:5256	NM_00114	XM_01152	.	.	NP_00113	XP_006722	protein_co	ENSG0000	80323	24350
CCDC69	3.04309	3.2407	4.04186	4.35476	3.5388	3.49036	coiled-coil domain containing 69 [Source:HGNC Symbol;Acc:HGN	chr5:15056	NM_01562	.	.	.	NP_05643	.	protein_co	ENSG0000	26112	24487
CCDC70	0	0	0	0	0	0	coiled-coil domain containing 70 [Source:HGNC Symbol;Acc:HGN	chr13:5243	NM_03129	.	.	.	NP_11258	.	protein_co	ENSG0000	83446	25303
CCDC71	21.484	20.1089	20.9806	24.1016	20.3886	17.5128	coiled-coil domain containing 71 [Source:HGNC Symbol;Acc:HGN	chr3:49199	NM_02290	.	.	.	NP_07505	.	protein_co	ENSG0000	64925	25760
CCDC71L	14.8569	13.8508	14.9484	12.9805	13.0928	17.5908	coiled-coil domain containing 71-like [Source:HGNC Symbol;Acc:H	chr7:10629	NM_17588	.	.	.	NP_78708	.	protein_co	ENSG0000	168455	26685
CCDC73	0	0	0.06113	0	0.03778	0.055849	coiled-coil domain containing 73 [Source:HGNC Symbol;Acc:HGN	chr11:3260	NM_00100	XM_01152	.	.	NP_00100	XP_011518	protein_co	ENSG0000	493860	23261
CCDC74A	7.26792	6.98031	6.85242	6.14787	6.73012	7.21336	coiled-coil domain containing 74A [Source:HGNC Symbol;Acc:HG	chr2:13228	NM_00125	XM_01700	.	.	NP_00124	XP_005263	protein_co	ENSG0000	90557	25197
CCDC74B	1.41291	0.728785	1.50134	1.07346	1.48471	2.10889	coiled-coil domain containing 74B [Source:HGNC Symbol;Acc:HG	chr2:13089	NM_00125	XM_00671	.	.	NP_00124	XP_005263	protein_co	ENSG0000	91409	25267
CCDC77	8.39986	7.65382	5.60432	8.1584	8.58076	7.97998	coiled-coil domain containing 77 [Source:HGNC Symbol;Acc:HGN	chr12:3892	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	84318	28203
CCDC78	1.53303	1.88506	2.0643	0.66788	1.37784	1.01867	coiled-coil domain containing 78 [Source:HGNC Symbol;Acc:HGN	chr16:7709	NM_00103	XM_01152	.	.	NP_00102	XP_006720	protein_co	ENSG0000	124093	14153
CCDC8	0	0	0	0.024427	0	0	coiled-coil domain containing 8 [Source:HGNC Symbol;Acc:HGNC	chr19:4691	NM_03204	.	.	.	NP_11442	.	protein_co	ENSG0000	83987	25367
CCDC80	0.341502	0.16456	0.19815	0.194938	0.039596	0.390706	coiled-coil domain containing 80 [Source:HGNC Symbol;Acc:HGN	chr3:11231	NM_19951	.	.	.	NP_95580	.	protein_co	ENSG0000	151887	30649
CCDC81	0.364674	0.507161	0.158191	0.294518	0.244503	0.109819	coiled-coil domain containing 81 [Source:HGNC Symbol;Acc:HGN	chr11:8608	NM_00115	XM_00527	.	.	NP_00114	XP_005274	protein_co	ENSG0000	60494	26281
CCDC82	6.22981	4.5727	6.27593	4.92165	6.27184	9.33457	coiled-coil domain containing 82 [Source:HGNC Symbol;Acc:HGN	chr11:9608	NM_00131	XM_01154	.	.	NP_00130	XP_005274	protein_co	ENSG0000	79780	26282
CCDC83	0	0	0.027165	0	0	0	coiled-coil domain containing 83 [Source:HGNC Symbol;Acc:HGN	chr11:8556	NM_00128	XM_01154	.	.	NP_00127	XP_011543	protein_co	ENSG0000	220047	28535
CCDC84	8.49969	9.55362	6.4638	9.16487	6.0666	7.29189	coiled-coil domain containing 84 [Source:HGNC Symbol;Acc:HGN	chr11:1188	NM_19848	XM_01154	.	.	NP_94089	XP_011541	protein_co	ENSG0000	338657	30460
CCDC85A	0.125569	0.02128	0.126937	0	0	0	coiled-coil domain containing 85A [Source:HGNC Symbol;Acc:HG	chr2:56411	NM_00108	XM_00526	.	.	NP_00107	XP_005264	protein_co	ENSG0000	114800	29400
CCDC85B	64.4761	67.3962	66.9659	64.6548	44.3734	71.8841	coiled-coil domain containing 85B [Source:HGNC Symbol;Acc:HG	chr11:6565	NM_00684	.	.	.	NP_00683	.	protein_co	ENSG0000	11007	24926
CCDC85C	17.3652	18.9325	18.519	23.6217	23.1322	18.4798	coiled-coil domain containing 85C [Source:HGNC Symbol;Acc:HG	chr14:9994	NM_00114	XM_01153	.	.	NP_00113	XP_011535	protein_co	ENSG0000	317762	35459
CCDC86	41.3375	45.4502	36.9628	61.6571	48.113	28.4311	coiled-coil domain containing 86 [Source:HGNC Symbol;Acc:HGN	chr11:6060	NM_02409	.	.	.	NP_07700	.	protein_co	ENSG0000	79080	28359
CCDC87	0.204721	0.259851	0.044223	0.111513	0.204564	0.136445	coiled-coil domain containing 87 [Source:HGNC Symbol;Acc:HGN	chr11:6635	NM_01821	.	.	.	NP_06068	.	protein_co	ENSG0000	55231	25579
CCDC88A	2.5185	2.66565	2.91543	2.86796	3.91989	4.67275	coiled-coil domain containing 88A [Source:HGNC Symbol;Acc:HG	chr2:55514	NM_00113	XM_01153	.	.	NP_00112	XP_005264	protein_co	ENSG0000	55704	25523
CCDC88B	12.3528	9.04637	9.0017	11.4973	7.71487	6.48922	coiled-coil domain containing 88B [Source:HGNC Symbol;Acc:HG	chr11:6410	NM_03225	XM_01154	.	.	NP_11562	XP_006718	protein_co	ENSG0000	283234	26757
CCDC88C	5.43401	6.2685	5.76892	5.94391	5.97706	5.74836	coiled-coil domain containing 88C [Source:HGNC Symbol;Acc:HG	chr14:9173	NM_00108	XM_01153	.	.	NP_00107	XP_011535	protein_co	ENSG0000	440193	19967
CCDC89	0.043491	0	0.190747	0.047089	0.050333	0	coiled-coil domain containing 89 [Source:HGNC Symbol;Acc:HGN	chr11:8539	NM_15272	.	.	.	NP_68993	.	protein_co	ENSG0000	220388	26762
CCDC9	9.18934	9.43183	7.29607	9.31191	7.02574	8.4509	coiled-coil domain containing 9 [Source:HGNC Symbol;Acc:HGNC	chr19:4775	NM_01560	XM_01702	.	.	NP_05641	XP_016882	protein_co	ENSG0000	26093	24560
CCDC90B	16.5219	18.021	21.5752	18.7076	17.8919	23.6618	coiled-coil domain containing 90B [Source:HGNC Symbol;Acc:HG	chr11:8297	NM_00128	XM_00527	.	.	NP_00127	XP_005274	protein_co	ENSG0000	60492	28108
CCDC91	5.72943	5.57687	5.82596	4.92957	6.20291	6.7361	coiled-coil domain containing 91 [Source:HGNC Symbol;Acc:HGN	chr12:2834	NM_01831	XM_01701	.	.	NP_06078	XP_005253	protein_co	ENSG0000	55297	24855
CCDC92	2.86923	2.89897	3.98844	2.98271	2.07235	3.93469	coiled-coil domain containing 92 [Source:HGNC Symbol;Acc:HGN	chr12:1242	NM_00130	XM_00525	.	.	NP_00129	XP_005253	protein_co	ENSG0000	80212	29563
CCDC93	8.91574	8.52104	8.95183	6.55747	8.2803	7.06868	coiled-coil domain containing 93 [Source:HGNC Symbol;Acc:HGN	chr2:11867	NM_01904	XM_01151	.	.	NP_06191	XP_011509	protein_co	ENSG0000	54520	25611
CCDC94	17.5419	16.6614	12.9919	20.3725	15.9565	11.2089	coiled-coil domain containing 94 [Source:HGNC Symbol;Acc:HGN	chr19:4247	NM_01807	.	.	.	NP_06054	.	protein_co	ENSG0000	55702	25518
CCDC96	0.505532	0.247452	0.387062	0.305435	0.369895	0.209591	coiled-coil domain containing 96 [Source:HGNC Symbol;Acc:HGN	chr4:70425	NM_15337	.	.	.	NP_69920	.	protein_co	ENSG0000	257236	26900
CCDC97	12.1138	12.4176	7.34377	11.0007	10.9447	9.19784	coiled-coil domain containing 97 [Source:HGNC Symbol;Acc:HGN	chr19:4181	NM_05284	.	.	.	NP_44308	.	protein_co	ENSG0000	90324	28289

CCER1	0	0	0	0	0	0	coiled-coil glutamate rich protein 1 [Source:HGNC Symbol;Acc:HG	chr12:9134	NM_15263	.	.	.	NP_689851	.	protein_co	ENSG0000	196477	28373
CCER2	0.05416	0.210099	0.144005	0.057226	0.063587	0.184126	coiled-coil glutamate rich protein 2 [Source:HGNC Symbol;Acc:HG	chr19:3939	NM_00124	XM_01152	.	.	NP_001230	XP_011525	protein_co	ENSG0000	643669	44662
CCHCR1	11.0623	12.3191	12.3891	14.8806	12.3408	10.525	coiled-coil alpha-helical rod protein 1 [Source:HGNC Symbol;Acc:I	chr6:31110	NM_00110	XM_01701	.	.	NP_001099	XP_011513	protein_co	ENSG0000	54535	13930
CCIN	0.261047	0.1896	0.064479	0.405654	0.257405	0.079306	calicin [Source:HGNC Symbol;Acc:HGNC:1568]	chr9:36169	NM_00589	.	.	.	NP_005884	.	protein_co	ENSG0000	881	1568
CCK	0.548793	0.809995	0.709454	1.61103	0.640141	0.751836	cholecystokinin [Source:HGNC Symbol;Acc:HGNC:1569]	chr3:42299	NM_00072	.	.	.	NP_000720	.	protein_co	ENSG0000	885	1569
CCKAR	0	0	0	0	0	0	cholecystokinin A receptor [Source:HGNC Symbol;Acc:HGNC:1570	chr4:26483	NM_00073	.	.	.	NP_000721	.	protein_co	ENSG0000	886	1570
CCKBR	0	0	0	0	0	0	cholecystokinin B receptor [Source:HGNC Symbol;Acc:HGNC:1571	chr11:6280	NM_17687	XM_00525	.	.	NP_001304	XP_005253	protein_co	ENSG0000	887	1571
CCL1	0	0	0	0	0	0	C-C motif chemokine ligand 1 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3268	NM_00298	.	.	.	NP_002972	.	protein_co	ENSG0000	6346	10609
CCL11	0	0	0	0	0	0	C-C motif chemokine ligand 11 [Source:HGNC Symbol;Acc:HGNC:	chr17:3261	NM_00298	.	.	.	NP_002977	.	protein_co	ENSG0000	6356	10610
CCL13	0	0	0	0	0	0	C-C motif chemokine ligand 13 [Source:HGNC Symbol;Acc:HGNC:	chr17:3268	NM_00540	.	.	.	NP_005399	.	protein_co	ENSG0000	6357	10611
CCL14	0	0	0	0	0	0	C-C motif chemokine ligand 14 [Source:HGNC Symbol;Acc:HGNC:	chr17:3431	NM_03296	.	.	.	NP_116738	.	protein_co	ENSG0000	6358	10612
CCL15	0	0	0	0	0	0	C-C motif chemokine ligand 15 [Source:HGNC Symbol;Acc:HGNC:	chr17:3432	NM_03296	.	.	.	NP_116741	.	protein_co	ENSG0000	6359	10613
CCL16	0	0	0	0	0	0	C-C motif chemokine ligand 16 [Source:HGNC Symbol;Acc:HGNC:	chr17:3430	NM_00459	XM_00525	.	.	NP_004581	XP_005258	protein_co	ENSG0000	6360	10614
CCL17	0	0	0	0	0	0	C-C motif chemokine ligand 17 [Source:HGNC Symbol;Acc:HGNC:	chr16:5743	NM_00298	.	.	.	NP_002978	.	protein_co	ENSG0000	6361	10615
CCL18	0	0	0	0	0	0	C-C motif chemokine ligand 18 [Source:HGNC Symbol;Acc:HGNC:	chr17:3439	NM_00298	.	.	.	NP_002979	.	protein_co	ENSG0000	6362	10616
CCL19	0	0	0	0	0	0	C-C motif chemokine ligand 19 [Source:HGNC Symbol;Acc:HGNC:	chr9:34689	NM_00627	.	.	.	NP_006265	.	protein_co	ENSG0000	6363	10617
CCL2	0	0	0	0	0.145456	0	C-C motif chemokine ligand 2 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3258	NM_00298	.	.	.	NP_002973	.	protein_co	ENSG0000	6347	10618
CCL20	3.43811	3.12263	0.819355	0.809622	0.31023	0.135518	C-C motif chemokine ligand 20 [Source:HGNC Symbol;Acc:HGNC:	chr2:22867	NM_00113	.	.	.	NP_001123	.	protein_co	ENSG0000	6364	10619
CCL21	0	0	0	0	0	0	C-C motif chemokine ligand 21 [Source:HGNC Symbol;Acc:HGNC:	chr9:34709	NM_00298	XM_01151	.	.	NP_002980	XP_011516	protein_co	ENSG0000	6366	10620
CCL22	0.031498	0.130346	0.02707	0.2781	0.070943	0.163263	C-C motif chemokine ligand 22 [Source:HGNC Symbol;Acc:HGNC:	chr16:5739	NM_00299	XM_01702	.	.	NP_002981	XP_016879	protein_co	ENSG0000	6367	10621
CCL23	0	0	0	0	0	0	C-C motif chemokine ligand 23 [Source:HGNC Symbol;Acc:HGNC:	chr17:3434	NM_00506	.	.	.	NP_005055	.	protein_co	ENSG0000	6368	10622
CCL24	0	0	0	0.176693	0	0.352582	C-C motif chemokine ligand 24 [Source:HGNC Symbol;Acc:HGNC:	chr7:75440	NM_00299	XM_01151	.	.	NP_002982	XP_011514	protein_co	ENSG0000	6369	10623
CCL25	0.102214	0	0.090298	0.226932	0.240402	0	C-C motif chemokine ligand 25 [Source:HGNC Symbol;Acc:HGNC:	chr19:8117	NM_00120	XM_01702	.	.	NP_001188	XP_011526	protein_co	ENSG0000	6370	10624
CCL26	0.576012	0.593175	0.681477	0.422882	0.441076	0.603913	C-C motif chemokine ligand 26 [Source:HGNC Symbol;Acc:HGNC:	chr7:75398	NM_00607	.	.	.	NP_006063	XP_016867	protein_co	ENSG0000	10344	10625
CCL27	0.214265	0	0	0.457501	0.249208	0	C-C motif chemokine ligand 27 [Source:HGNC Symbol;Acc:HGNC:	chr9:34661	NM_00666	.	.	.	NP_006655	.	protein_co	ENSG0000	10850	10626
CCL28	0.059882	0.128075	0.05176	0	0	0	C-C motif chemokine ligand 28 [Source:HGNC Symbol;Acc:HGNC:	chr5:43379	NM_00130	.	.	.	NP_001288	.	protein_co	ENSG0000	56477	17700
CCL3	0	0	0	0	0	0	C-C motif chemokine ligand 3 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3441	NM_00298	.	.	.	NP_002974	.	protein_co	ENSG0000	6348	10627
CCL3L1	0	0	0	0	0	0	C-C motif chemokine ligand 3 like 1 [Source:HGNC Symbol;Acc:HG	chr17:3458	NM_00100	.	.	.	NP_001001	.	protein_co	ENSG0000	414062	10628
CCL3L3	0.138828	0.142441	0.118934	0	0	0.145526	C-C motif chemokine ligand 3 like 3 [Source:HGNC Symbol;Acc:HG	chr17:3452	NM_00100	.	.	.	NP_001001	.	protein_co	ENSG0000	414062	30554
CCL4	0	0	0	0	0	0	C-C motif chemokine ligand 4 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3443	NM_00298	.	.	.	NP_002975	.	protein_co	ENSG0000	6351	10630
CCL4L1	0	0	0	0	0	0	chemokine (C-C motif) ligand 4-like 1 [Source:HGNC Symbol;Acc:1	chr17:3453	NM_00100	.	.	.	NP_001001	.	protein_co	ENSG0000	9560	10631
CCL4L2	0	0	0	0	0.224448	0	C-C motif chemokine ligand 4 like 2 [Source:HGNC Symbol;Acc:HG	chr17:3458	NM_20700	.	.	.	NP_996890	.	protein_co	ENSG0000	388372	24066
CCL5	3.20406	4.21705	0.114065	3.45534	2.5023	6.04474	C-C motif chemokine ligand 5 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3419	NM_00127	.	.	.	NP_001265	.	protein_co	ENSG0000	6352	10632
CCL7	0	0	0	0	0	0	C-C motif chemokine ligand 7 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3259	NM_00627	.	.	.	NP_006264	.	protein_co	ENSG0000	6354	10634
CCL8	0	0	0	0	0	0	C-C motif chemokine ligand 8 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3264	NM_00562	.	.	.	NP_005614	.	protein_co	ENSG0000	6355	10635
CCM2	17.5149	18.2761	19.2763	21.2992	17.4421	16.6289	CCM2 scaffolding protein [Source:HGNC Symbol;Acc:HGNC:21708	chr7:45039	NM_00102	XM_01151	.	.	NP_001025	XP_006715	protein_co	ENSG0000	83605	21708
CCM2L	0.545185	0.52976	0.832953	0.540412	0.362925	1.21489	CCM2 like scaffolding protein [Source:HGNC Symbol;Acc:HGNC:1	chr20:3059	NM_08062	XM_01152	.	.	NP_542192	XP_006723	protein_co	ENSG0000	140706	16153
CCNA1	0	0	0	0	0	0	cyclin A1 [Source:HGNC Symbol;Acc:HGNC:1577]	chr13:3700	NM_00111	XM_01153	.	.	NP_001104	XP_011533	protein_co	ENSG0000	8900	1577
CCNA2	41.9289	43.4582	36.1159	69.28	70.8824	52.386	cyclin A2 [Source:HGNC Symbol;Acc:HGNC:1578]	chr4:12272	NM_00123	.	.	.	NP_001228	.	protein_co	ENSG0000	890	1578
CCNB1	135.083	129.432	103.831	255.925	244.926	154.285	cyclin B1 [Source:HGNC Symbol;Acc:HGNC:1579]	chr5:68462	NM_03196	.	.	.	NP_114172	.	protein_co	ENSG0000	891	1579
CCNB1IP1	56.2567	54.7752	48.329	53.1901	46.6486	65.1123	cyclin B1 interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:1	chr14:2077	NM_02117	.	.	.	NP_067001	.	protein_co	ENSG0000	57820	19437
CCNB2	58.9848	60.6061	50.4701	98.6	84.6169	68.467	cyclin B2 [Source:HGNC Symbol;Acc:HGNC:1580]	chr15:5939	NM_00470	.	.	.	NP_004692	.	protein_co	ENSG0000	9133	1580
CCNB3	1.3406	1.21502	1.13589	1.79238	1.5945	2.12868	cyclin B3 [Source:HGNC Symbol;Acc:HGNC:18709]	chrX:49969	NM_03303	XM_01702	.	.	NP_149020	XP_011529	protein_co	ENSG0000	85417	18709
CCNC	37.5276	37.1298	39.5144	50.4498	54.6694	51.076	cyclin C [Source:HGNC Symbol;Acc:HGNC:1581]	chr6:99990	NM_00101	XM_00671	.	.	NP_001013	XP_006715	protein_co	ENSG0000	892	1581
CCND1	152.592	170.574	189.957	134.189	145.517	139.226	cyclin D1 [Source:HGNC Symbol;Acc:HGNC:1582]	chr11:6945	NM_05305	.	.	.	NP_444284	.	protein_co	ENSG0000	595	1582
CCND2	0	0	0	0.014587	0	0.013163	cyclin D2 [Source:HGNC Symbol;Acc:HGNC:1583]	chr12:4382	NM_00175	.	.	.	NP_001750	.	protein_co	ENSG0000	894	1583
CCND3	25.9019	27.2086	26.7864	37.1705	31.605	24.0686	cyclin D3 [Source:HGNC Symbol;Acc:HGNC:1585]	chr6:41902	NM_00113	XM_01151	.	.	NP_001129	XP_011513	protein_co	ENSG0000	896	1585
CCNDBP1	11.5622	10.39	12.4969	9.03392	7.80987	9.37774	cyclin D1 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:1587	chr15:4347	NM_01214	.	.	.	NP_036274	.	protein_co	ENSG0000	23582	1587
CCNE1	29.7851	27.7922	22.68	30.4811	29.8902	22.1087	cyclin E1 [Source:HGNC Symbol;Acc:HGNC:1589]	chr19:3030	NM_00123	XM_01152	.	.	NP_001229	XP_006723	protein_co	ENSG0000	898	1589
CCNE2	12.7792	11.4744	10.272	15.7052	19.3668	15.5488	cyclin E2 [Source:HGNC Symbol;Acc:HGNC:1590]	chr8:95835	NM_05774	XM_01151	.	.	NP_477097	XP_016869	protein_co	ENSG0000	9134	1590
CCNF	15.9592	17.0377	17.6741	23.7769	21.1556	16.6475	cyclin F [Source:HGNC Symbol;Acc:HGNC:1591]	chr16:2479	NM_00132	XM_01702	.	.	NP_001310	XP_016879	protein_co	ENSG0000	899	1591
CCNG1	47.451	46.8877	82.5431	55.3161	81.7761	91.9338	cyclin G1 [Source:HGNC Symbol;Acc:HGNC:1592]	chr5:16286	NM_00406	XM_01153	.	.	NP_004051	XP_011532	protein_co	ENSG0000	900	1592
CCNG2	12.489	10.2965	13.6402	10.0831	13.4358	23.6633	cyclin G2 [Source:HGNC Symbol;Acc:HGNC:1593]	chr4:78078	NM_00435	XM_01153	.	.	NP_004345	XP_011530	protein_co	ENSG0000	901	1593
CCNH	33.9994	28.8908	35.8452	42.57	42.6581	45.5891	cyclin H [Source:HGNC Symbol;Acc:HGNC:1594]	chr5:86689	NM_00119	XM_00524	.	.	NP_001186	XP_005248	protein_co	ENSG0000	902	1594
CCNI	68.4613	65.8029	70.4351	56.0035	63.3514	85.4235	cyclin I [Source:HGNC Symbol;Acc:HGNC:1595]	chr4:77968	NM_00683	.	.	.	NP_006826	.	protein_co	ENSG0000	10983	1595
CCNI2	0.331606	0.424348	0.92187	0.639292	0.404815	0.078321	cyclin I family member 2 [Source:HGNC Symbol;Acc:HGNC:33869]	chr5:13208	NM_00103	.	.	.	NP_001034	.	protein_co	ENSG0000	645121	33869
CCNJ	11.0021	12.1198	9.99969	11.2609	12.737	13.8263	cyclin J [Source:HGNC Symbol;Acc:HGNC:23434]	chr10:9780	NM_00113	XM_01701	.	.	NP_001127	XP_011538	protein_co	ENSG0000	54619	23434
CCNJL	2.32105	2.20429	2.56228	3.25966	3.58022	2.76228	cyclin J like [Source:HGNC Symbol;Acc:HGNC:25876]	chr5:15967	NM_00130	XM_01700	NR_131769	.	NP_001295	XP_005266	protein_co	ENSG0000	79616	25876
CCNK	21.0111	20.9732	20.7861	22.4567	22.0937	23.8136	cyclin K [Source:HGNC Symbol;Acc:HGNC:1596]	chr14:9994	NM_00109	XM_01153	.	.	NP_001092	XP_005268	protein_co	ENSG0000	8812	1596

CCNL1	53.2213	46.2505	50.8677	37.7712	45.9639	48.4485	cyclin L1 [Source:HGNC Symbol;Acc:HGNC:20569]	chr3:15686	NM_00130	XM_01700	.	.	NP_00129	XP_005247	protein_co	ENSG0000	57018	20569
CCNL2	75.2538	68.3957	92.4347	63.938	65.4927	66.5773	cyclin L2 [Source:HGNC Symbol;Acc:HGNC:20570]	chr1:13218	NM_00103	XM_01154	.	.	NP_00103	XP_011540	protein_co	ENSG0000	81669	20570
CCNO	9.20095	8.79828	8.8232	5.62562	5.82852	6.27295	cyclin O [Source:HGNC Symbol;Acc:HGNC:18576]	chr5:54526	NM_02114	.	.	.	NP_06697	.	protein_co	ENSG0000	10309	18576
CCNT1	19.295	20.117	19.7583	19.2857	22.8731	23.9518	cyclin T1 [Source:HGNC Symbol;Acc:HGNC:1599]	chr12:4908	NM_00124	XM_01702	.	.	NP_00123	XP_016875	protein_co	ENSG0000	904	1599
CCNT2	10.5513	11.0423	9.63991	9.31799	10.8784	11.7554	cyclin T2 [Source:HGNC Symbol;Acc:HGNC:1600]	chr2:13567	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	905	1600
CCNY	24.1248	25.3787	20.7903	22.8898	22.0965	23.5942	cyclin Y [Source:HGNC Symbol;Acc:HGNC:23354]	chr10:3553	NM_00128	XM_01151	.	.	NP_00126	XP_006717	protein_co	ENSG0000	219771	23354
CCNYL1	6.64589	7.06252	8.15085	8.16485	8.59512	9.21041	cyclin Y like 1 [Source:HGNC Symbol;Acc:HGNC:26868]	chr2:20857	NM_00114	XM_00524	NR_03993	.	NP_00113	XP_005246	protein_co	ENSG0000	100616361	26868
CCP110	6.61687	7.21396	7.71357	7.11254	9.29665	11.2185	centriolar coiled-coil protein 110 [Source:HGNC Symbol;Acc:HGN	chr16:1953	NM_00119	XM_01154	.	.	NP_00118	XP_005255	protein_co	ENSG0000	9738	24342
CCPG1	4.49559	4.31614	3.11577	1.6477	2.83169	4.40796	cell cycle progression 1 [Source:HGNC Symbol;Acc:HGNC:24227]	chr15:5560	NM_00120	.	NR_03035	.	NP_00119	.	protein_co	ENSG0000	693213	24227
CCR1	0	0	0.025004	0.064481	0	0.174881	C-C motif chemokine receptor 1 [Source:HGNC Symbol;Acc:HGNC	chr3:46205	NM_00129	.	.	.	NP_00128	.	protein_co	ENSG0000	1230	1602
CCR10	1.14383	0.757889	0.725677	0.30109	0.337876	0.481847	C-C motif chemokine receptor 10 [Source:HGNC Symbol;Acc:HGN	chr17:4083	NM_01660	.	.	.	NP_05768	.	protein_co	ENSG0000	2826	4474
CCR2	0	0	0	0	0.03266	0	C-C motif chemokine receptor 2 [Source:HGNC Symbol;Acc:HGNC	chr3:46395	NM_00112	XM_01153	.	.	NP_00111	XP_011532	protein_co	ENSG0000	729230	1603
CCR3	0	0.038327	0.064122	0	0.060204	0	C-C motif chemokine receptor 3 [Source:HGNC Symbol;Acc:HGNC	chr3:46205	NM_00116	XM_01153	.	.	NP_00115	XP_006713	protein_co	ENSG0000	1232	1604
CCR4	0.028804	0.060348	0	0.161267	0.096672	0.058137	C-C motif chemokine receptor 4 [Source:HGNC Symbol;Acc:HGNC	chr3:32993	NM_00550	.	.	.	NP_00549	XP_016861	protein_co	ENSG0000	1233	1605
CCR5	0	0	0	0	0	0	C-C motif chemokine receptor 5 (gene/pseudogene) [Source:HGN	chr3:46412	NM_00057	.	.	.	NP_00057	.	protein_co	ENSG0000	1234	1606
CCR6	0.139076	0.23667	0.07205	0.031577	0.092804	0.13633	C-C motif chemokine receptor 6 [Source:HGNC Symbol;Acc:HGNC	chr6:16752	NM_00436	.	.	.	NP_00435	.	protein_co	ENSG0000	1235	1607
CCR7	0	0.071513	0.030527	0.046362	0.081188	0.038029	C-C motif chemokine receptor 7 [Source:HGNC Symbol;Acc:HGNC	chr17:3871	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	1236	1608
CCR8	0	0	0	0	0	0	C-C motif chemokine receptor 8 [Source:HGNC Symbol;Acc:HGNC	chr3:39371	NM_00520	.	.	.	NP_00519	.	protein_co	ENSG0000	1237	1609
CCR9	0	0	0	0.034783	0.036097	0	C-C motif chemokine receptor 9 [Source:HGNC Symbol;Acc:HGNC	chr3:45864	NM_00125	XM_01153	.	.	NP_00124	XP_011531	protein_co	ENSG0000	10803	1610
CCRL2	0	0	0	0	0.103071	0.272116	C-C motif chemokine receptor like 2 [Source:HGNC Symbol;Acc:H	chr3:46448	NM_00113	XM_01153	.	.	NP_00112	XP_011532	protein_co	ENSG0000	9034	1612
CCS	12.5771	12.661	14.6462	14.4655	13.9265	11.6572	copper chaperone for superoxide dismutase [Source:HGNC Symb	chr11:6635	NM_00512	.	.	.	NP_00511	.	protein_co	ENSG0000	9973	1613
CCSAP	5.40737	6.95189	7.43467	6.92606	8.08277	7.88593	centriole, cilia and spindle associated protein [Source:HGNC Symb	chr1:22945	NM_14525	XM_01154	.	.	NP_66030	XP_011542	protein_co	ENSG0000	126731	29578
CCSER1	0.638652	0.593174	0.805924	0.808645	0.651348	0.867021	coiled-coil serine rich protein 1 [Source:HGNC Symbol;Acc:HGNC:	chr4:91048	NM_00114	XM_01153	.	.	NP_00113	XP_011530	protein_co	ENSG0000	401145	29349
CCSER2	4.79388	4.87204	6.54221	4.40746	6.2265	6.78823	coiled-coil serine rich protein 2 [Source:HGNC Symbol;Acc:HGNC:	chr10:8608	NM_00128	XM_01701	.	.	NP_00127	XP_005269	protein_co	ENSG0000	54462	29197
CCT2	272.547	261.04	245.788	341.736	316.532	267.237	chaperonin containing TCP1 subunit 2 [Source:HGNC Symbol;Acc:	chr12:6997	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	10576	1615
CCT3	381.763	376.053	324.003	524.908	429.702	356.926	chaperonin containing TCP1 subunit 3 [Source:HGNC Symbol;Acc:	chr1:15627	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	7203	1616
CCT4	221.827	221.451	181.653	297.732	262.208	212.065	chaperonin containing TCP1 subunit 4 [Source:HGNC Symbol;Acc:	chr2:62095	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	10575	1617
CCT5	276.102	261.942	215.377	338.142	310.311	257.862	chaperonin containing TCP1 subunit 5 [Source:HGNC Symbol;Acc:	chr5:10250	NM_00130	XM_01151	.	.	NP_00129	XP_011512	protein_co	ENSG0000	22948	1618
CCT6A	212.535	210.198	185.536	270.693	273.239	212.656	chaperonin containing TCP1 subunit 6A [Source:HGNC Symbol;Ac	chr7:56119	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	908	1620
CCT6B	0.257678	0.462776	0.514875	0.153725	0.379374	1.00683	chaperonin containing TCP1 subunit 6B [Source:HGNC Symbol;Ac	chr17:3325	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	10693	1621
CCT7	327.044	322.735	283.964	428.718	360.321	290.01	chaperonin containing TCP1 subunit 7 [Source:HGNC Symbol;Acc:	chr2:73461	NM_00100	XM_01153	.	.	NP_00100	XP_011530	protein_co	ENSG0000	10574	1622
CCT8	279.481	241.505	240.682	284.739	313.339	271.71	chaperonin containing TCP1 subunit 8 [Source:HGNC Symbol;Acc:	chr21:3042	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	10694	1623
CCT8L2	0	0	0	0	0	0	chaperonin containing TCP1 subunit 8 like 2 [Source:HGNC Symb	chr22:1707	NM_01440	.	.	.	NP_05522	.	protein_co	ENSG0000	150160	15553
CCZ1	12.1473	13.9975	12.5648	16.5359	14.4878	13.6648	CCZ1 homolog, vacuolar protein trafficking and biogenesis associ	chr7:59383	NM_01562	.	.	.	NP_05643	.	protein_co	ENSG0000	51622	21691
CCZ1B	4.35422	3.9253	3.57404	3.74254	4.71642	5.63575	CCZ1 homolog B, vacuolar protein trafficking and biogenesis asso	chr7:67937	NM_19809	.	.	.	NP_93276	.	protein_co	ENSG0000	221960	21717
CD101	0.400382	0.554403	0.257155	0.309035	0.417327	0.252003	CD101 molecule [Source:HGNC Symbol;Acc:HGNC:5949]	chr1:11754	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	9398	5949
CD109	18.1464	20.2877	18.9098	24.6017	30.5818	22.5853	CD109 molecule [Source:HGNC Symbol;Acc:HGNC:21685]	chr6:74405	NM_00115	XM_01701	.	.	NP_00115	XP_005248	protein_co	ENSG0000	135228	21685
CD14	0.168453	0.236737	0.040975	0.060642	0.065044	0.103651	CD14 molecule [Source:HGNC Symbol;Acc:HGNC:1628]	chr5:14001	NM_00059	.	.	.	NP_00058	.	protein_co	ENSG0000	929	1628
CD151	182.615	168.949	166.291	165.132	137.391	142.684	CD151 molecule (Raph blood group) [Source:HGNC Symbol;Acc:H	chr11:8328	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	977	1630
CD160	0	0	0	0	0.053663	0	CD160 molecule [Source:HGNC Symbol;Acc:HGNC:17013]	chr1:14561	NM_00705	XM_01150	.	.	NP_00898	XP_005272	protein_co	ENSG0000	11126	17013
CD163	0.01581	0	0.01374	0	0.016209	0	CD163 molecule [Source:HGNC Symbol;Acc:HGNC:1631]	chr12:7623	NM_00424	XM_00525	.	.	NP_00423	XP_005253	protein_co	ENSG0000	9332	1631
CD163L1	2.74634	2.44034	2.378	2.49049	2.62006	2.45391	CD163 molecule like 1 [Source:HGNC Symbol;Acc:HGNC:30375]	chr12:7507	NM_00129	XM_01152	.	.	NP_00128	XP_011518	protein_co	ENSG0000	283316	30375
CD164	48.4361	58.4019	50.3472	51.8949	58.2349	72.5221	CD164 molecule [Source:HGNC Symbol;Acc:HGNC:1632]	chr6:10968	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	8763	1632
CD164L2	3.43865	3.88787	6.27189	4.13162	2.50991	4.55253	CD164 molecule like 2 [Source:HGNC Symbol;Acc:HGNC:32043]	chr1:27705	NM_20739	XM_01154	.	.	NP_99728	XP_005245	protein_co	ENSG0000	388611	32043
CD177	0	0.033161	0	0	0	0	CD177 molecule [Source:HGNC Symbol;Acc:HGNC:30072]	chr19:4385	NM_02040	.	.	.	NP_06513	XP_016882	protein_co	ENSG0000	57126	30072
CD180	0	0	0	0	0	0	CD180 molecule [Source:HGNC Symbol;Acc:HGNC:6726]	chr5:66475	NM_00558	.	.	.	NP_00557	XP_005248	protein_co	ENSG0000	4064	6726
CD19	0	0.035227	0.061345	0.038064	0.040713	0.116717	CD19 molecule [Source:HGNC Symbol;Acc:HGNC:1633]	chr16:2894	NM_00117	XM_00672	.	.	NP_00117	XP_006721	protein_co	ENSG0000	930	1633
CD1A	0	0	0	0	0	0	CD1a molecule [Source:HGNC Symbol;Acc:HGNC:1634]	chr1:15822	NM_00176	XM_01151	.	.	NP_00130	.	protein_co	ENSG0000	909	1634
CD1B	0	0	0	0	0	0	CD1b molecule [Source:HGNC Symbol;Acc:HGNC:1635]	chr1:15829	NM_00176	XM_01151	.	.	NP_00175	XP_011508	protein_co	ENSG0000	910	1635
CD1C	0	0	0	0	0	0	CD1c molecule [Source:HGNC Symbol;Acc:HGNC:1636]	chr1:15825	NM_00176	.	.	.	NP_00175	.	protein_co	ENSG0000	911	1636
CD1D	0.070875	0.036112	0.061245	0.078058	0	0.148244	CD1d molecule [Source:HGNC Symbol;Acc:HGNC:1637]	chr1:15814	NM_00176	XM_01151	.	.	NP_00175	XP_011508	protein_co	ENSG0000	912	1637
CD1E	0	0	0	0	0	0	CD1e molecule [Source:HGNC Symbol;Acc:HGNC:1638]	chr1:15832	NM_00104	XM_01151	.	.	NP_00103	XP_011508	protein_co	ENSG0000	913	1638
CD2	0	0	0	0	0	0	CD2 molecule [Source:HGNC Symbol;Acc:HGNC:1639]	chr1:11729	NM_00176	.	.	.	NP_00175	.	protein_co	ENSG0000	914	1639
CD200	0	0	0.041609	0.106677	0.053808	0.048828	CD200 molecule [Source:HGNC Symbol;Acc:HGNC:7203]	chr3:11205	NM_00100	XM_01700	.	.	NP_00100	XP_005247	protein_co	ENSG0000	4345	7203
CD200R1	0.085174	0	0	0.09651	0.047304	0.046219	CD200 receptor 1 [Source:HGNC Symbol;Acc:HGNC:24235]	chr3:11264	NM_13880	.	.	.	NP_62016	.	protein_co	ENSG0000	131450	24235
CD200R1L	0	0	0	0	0	0	CD200 receptor 1 like [Source:HGNC Symbol;Acc:HGNC:24665]	chr3:11253	NM_00100	XM_01151	.	.	NP_00100	XP_011511	protein_co	ENSG0000	344807	24665
CD207	0	0	0	0	0	0	CD207 molecule [Source:HGNC Symbol;Acc:HGNC:17935]	chr2:71057	NM_01571	XM_01153	.	.	NP_05653	XP_011531	protein_co	ENSG0000	50489	17935
CD209	0	0	0	0	0	0	CD209 molecule [Source:HGNC Symbol;Acc:HGNC:1641]	chr19:7804	NM_00114	XM_00527	.	.	NP_00113	XP_005272	protein_co	ENSG0000	30835	1641
CD22	1.0453	1.03	1.84668	0.874813	0.648216	1.14176	CD22 molecule [Source:HGNC Symbol;Acc:HGNC:1643]	chr19:3582	NM_00118	.	NR_04982	.	NP_00117	.	protein_co	ENSG0000	100847070	1643

CD226	0.204483	0.23262	0.130277	0.118093	0.114261	0.045158	CD226 molecule [Source:HGNC Symbol;Acc:HGNC:16961]	chr18:6752	NM_00130	XM_00526	.	.	NP_00129	XP_00526	protein_co	ENSG0000	10666	16961
CD244	0	0	0.024537	0	0	0	CD244 molecule [Source:HGNC Symbol;Acc:HGNC:18171]	chr1:16079	NM_00116	XM_01150	.	.	NP_00116	XP_01150	protein_co	ENSG0000	51744	18171
CD247	0	0	0	0.051256	0	0.101592	CD247 molecule [Source:HGNC Symbol;Acc:HGNC:1677]	chr1:16739	NM_00073	XM_01151	.	.	NP_00072	XP_01150	protein_co	ENSG0000	919	1677
CD248	0	0	0	0	0	0	CD248 molecule [Source:HGNC Symbol;Acc:HGNC:18219]	chr11:6608	NM_02040	.	.	.	NP_06513	.	protein_co	ENSG0000	57124	18219
CD27	0	0	0	0	0	0	CD27 molecule [Source:HGNC Symbol;Acc:HGNC:11922]	chr12:6554	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	939	11922
CD274	1.60957	1.7732	1.1213	1.29861	1.02567	1.66567	CD274 molecule [Source:HGNC Symbol;Acc:HGNC:17635]	chr9:54505	NM_00126	.	.	.	NP_00125	.	protein_co	ENSG0000	29126	17635
CD276	29.4006	30.3914	29.1975	31.9036	28.421	27.606	CD276 molecule [Source:HGNC Symbol;Acc:HGNC:19137]	chr15:7397	NM_00102	XM_01702	.	.	NP_00101	XP_00525	protein_co	ENSG0000	80381	19137
CD28	0	0	0	0	0	0	CD28 molecule [Source:HGNC Symbol;Acc:HGNC:1653]	chr2:20457	NM_00124	XM_01151	.	.	NP_00123	XP_01151	protein_co	ENSG0000	940	1653
CD2AP	14.4009	15.4701	14.7587	14.7336	17.2896	15.9177	CD2 associated protein [Source:HGNC Symbol;Acc:HGNC:14258]	chr6:47445	NM_01212	XM_01151	.	.	NP_03625	XP_00524	protein_co	ENSG0000	23607	14258
CD2BP2	33.0914	34.7652	29.1698	36.1744	31.2975	26.5499	CD2 cytoplasmic tail binding protein 2 [Source:HGNC Symbol;Acc	chr16:3036	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	10421	1656
CD300A	0.069906	0	0	0.137773	0	0.043739	CD300a molecule [Source:HGNC Symbol;Acc:HGNC:19319]	chr17:7246	NM_00125	XM_01152	.	.	NP_00124	XP_00525	protein_co	ENSG0000	11314	19319
CD300C	0.243539	0.292831	0.252679	0.210297	0	0.053111	CD300c molecule [Source:HGNC Symbol;Acc:HGNC:19320]	chr17:7253	NM_00667	.	.	.	NP_00666	.	protein_co	ENSG0000	10871	19320
CD300E	0	0	0	0	0	0	CD300e molecule [Source:HGNC Symbol;Acc:HGNC:28874]	chr17:7260	NM_18144	.	.	.	NP_85211	.	protein_co	ENSG0000	342510	28874
CD300LB	0	0	0	0	0	0	CD300 molecule like family member b [Source:HGNC Symbol;Acc	chr17:7251	NM_17489	.	.	.	NP_77755	.	protein_co	ENSG0000	124599	30811
CD300LD	0	0	0	0	0	0	CD300 molecule like family member d [Source:HGNC Symbol;Acc	chr17:7257	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	10013143	16848
CD300LF	0	0	0	0	0	0	CD300 molecule like family member f [Source:HGNC Symbol;Acc:	chr17:7266	NM_00128	XM_01702	.	.	NP_00127	XP_01687	protein_co	ENSG0000	146722	29883
CD300LG	0.04663	0	0	0	0	0	CD300 molecule like family member g [Source:HGNC Symbol;Acc	chr17:4192	NM_00116	XM_00672	.	.	NP_00116	XP_00672	protein_co	ENSG0000	146894	30455
CD302	0	0	0	0	0	0	CD302 molecule [Source:HGNC Symbol;Acc:HGNC:30843]	chr2:16056	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	9936	30843
CD320	74.2137	74.7208	52.2701	101.131	75.1833	50.1556	CD320 molecule [Source:HGNC Symbol;Acc:HGNC:16692]	chr19:8367	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	51293	16692
CD33	2.88772	3.00013	3.49401	11.6671	10.7832	8.30651	CD33 molecule [Source:HGNC Symbol;Acc:HGNC:1659]	chr19:5172	NM_00108	XM_01152	.	.	NP_00107	XP_01152	protein_co	ENSG0000	945	1659
CD34	0	0	0.028683	0	0	0.033984	CD34 molecule [Source:HGNC Symbol;Acc:HGNC:1662]	chr1:20805	NM_00102	XM_01151	.	.	NP_00102	.	protein_co	ENSG0000	947	1662
CD36	0.066162	0.09507	0.076247	0.054265	0.096462	0.045279	CD36 molecule [Source:HGNC Symbol;Acc:HGNC:1663]	chr7:79998	NM_00007	XM_01151	.	.	NP_00006	XP_00525	protein_co	ENSG0000	948	1663
CD37	0.08681	0.264487	0.150548	0.096017	0.101469	0.21289	CD37 molecule [Source:HGNC Symbol;Acc:HGNC:1666]	chr19:4983	NM_00104	XM_01702	.	.	NP_00103	XP_00525	protein_co	ENSG0000	951	1666
CD38	0	0	0.013323	0	0	0	CD38 molecule [Source:HGNC Symbol;Acc:HGNC:1667]	chr4:15779	NM_00177	.	.	.	NP_00176	.	protein_co	ENSG0000	952	1667
CD3D	0	0	0	0	0	0	CD3d molecule [Source:HGNC Symbol;Acc:HGNC:1673]	chr11:1182	NM_00073	.	.	.	NP_00072	XP_01687	protein_co	ENSG0000	915	1673
CD3E	0	0	0	0	0	0	CD3e molecule [Source:HGNC Symbol;Acc:HGNC:1674]	chr11:1181	NM_00073	.	.	.	NP_00072	.	protein_co	ENSG0000	916	1674
CD3EAP	21.9376	21.3812	20.0406	27.2361	24.5683	15.9652	CD3e molecule associated protein [Source:HGNC Symbol;Acc:HG	chr19:4588	NM_00129	XM_01702	.	.	NP_00128	XP_01688	protein_co	ENSG0000	10849	24219
CD3G	0	0	0	0	0	0	CD3g molecule [Source:HGNC Symbol;Acc:HGNC:1675]	chr11:1182	NM_00007	XM_00671	.	.	NP_00006	XP_00671	protein_co	ENSG0000	917	1675
CD4	0	0	0	0	0	0	CD4 molecule [Source:HGNC Symbol;Acc:HGNC:1678]	chr12:6898	NM_00061	.	.	.	NP_00060	.	protein_co	ENSG0000	920	1678
CD40	15.3627	16.6985	13.8673	15.4301	14.0023	12.7525	CD40 molecule [Source:HGNC Symbol;Acc:HGNC:11919]	chr20:4474	NM_00125	XM_00526	.	.	NP_00124	XP_00526	protein_co	ENSG0000	958	11919
CD40LG	0	0	0	0	0	0	CD40 ligand [Source:HGNC Symbol;Acc:HGNC:11935]	chrX:13573	NM_00007	.	.	.	NP_00006	.	protein_co	ENSG0000	959	11935
CD44	150.941	156.448	173.958	186.683	191.663	191.865	CD44 molecule (Indian blood group) [Source:HGNC Symbol;Acc:H	chr11:3516	NM_00061	XM_01152	.	.	NP_00060	XP_00525	protein_co	ENSG0000	960	1681
CD46	41.7226	41.4546	56.3252	38.2471	45.4186	53.1124	CD46 molecule [Source:HGNC Symbol;Acc:HGNC:6953]	chr1:20792	NM_00238	XM_01700	.	.	NP_00238	XP_01150	protein_co	ENSG0000	4179	6953
CD47	28.3334	23.7951	26.744	16.9713	18.7312	17.8937	CD47 molecule [Source:HGNC Symbol;Acc:HGNC:1682]	chr3:10776	NM_00177	XM_00524	.	.	NP_00176	XP_00524	protein_co	ENSG0000	961	1682
CD48	0	0	0	0	0	0	CD48 molecule [Source:HGNC Symbol;Acc:HGNC:1683]	chr1:16064	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	962	1683
CD5	0	0	0	0	0.054577	0	CD5 molecule [Source:HGNC Symbol;Acc:HGNC:1685]	chr11:6086	NM_01420	.	.	.	NP_05502	.	protein_co	ENSG0000	921	1685
CD52	0	0	0	0.713671	0	0.44391	CD52 molecule [Source:HGNC Symbol;Acc:HGNC:1804]	chr1:26605	NM_00180	.	.	.	NP_00179	.	protein_co	ENSG0000	1043	1804
CD53	0.053589	0	0	0.180369	0	0	CD53 molecule [Source:HGNC Symbol;Acc:HGNC:1686]	chr1:11141	NM_00056	XM_00671	.	.	NP_00055	.	protein_co	ENSG0000	963	1686
CD55	17.8984	19.9357	14.4489	14.8873	15.7278	27.7419	CD55 molecule (Cromer blood group) [Source:HGNC Symbol;Acc:	chr1:20749	NM_00057	.	.	.	NP_00056	XP_01685	protein_co	ENSG0000	1604	2665
CD58	5.65975	5.17955	7.71196	7.23846	7.27788	9.91723	CD58 molecule [Source:HGNC Symbol;Acc:HGNC:1688]	chr1:11705	NM_00114	.	.	.	NP_00113	XP_01685	protein_co	ENSG0000	965	1688
CD59	104.318	108.298	115.974	89.1759	88.6637	83.333	CD59 molecule [Source:HGNC Symbol;Acc:HGNC:1689]	chr11:3371	NM_00061	.	.	.	NP_00060	.	protein_co	ENSG0000	966	1689
CD5L	0.033197	0	0	0	0	0	CD5 molecule like [Source:HGNC Symbol;Acc:HGNC:1690]	chr1:15780	NM_00589	.	.	.	NP_00588	XP_00524	protein_co	ENSG0000	922	1690
CD6	0	0	0	0	0	0	CD6 molecule [Source:HGNC Symbol;Acc:HGNC:1691]	chr11:6073	NM_00125	XM_01154	.	.	NP_00124	XP_00671	protein_co	ENSG0000	923	1691
CD63	313.162	318.895	295.28	334.211	277.625	278.515	CD63 molecule [Source:HGNC Symbol;Acc:HGNC:1692]	chr12:5611	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	967	1692
CD68	8.55497	7.68352	4.96436	7.17776	6.63053	2.31903	CD68 molecule [Source:HGNC Symbol;Acc:HGNC:1693]	chr17:7482	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	968	1693
CD69	0	0	0	0	0	0	CD69 molecule [Source:HGNC Symbol;Acc:HGNC:1694]	chr12:9905	NM_00178	.	.	.	NP_00177	.	protein_co	ENSG0000	969	1694
CD7	0.161775	0.100926	0.138199	0.21974	0	0	CD7 molecule [Source:HGNC Symbol;Acc:HGNC:1695]	chr17:8027	NM_00613	XM_01152	.	.	NP_00612	XP_01152	protein_co	ENSG0000	924	1695
CD70	0.60205	0.591145	1.02348	0.77157	0.986061	0.932513	CD70 molecule [Source:HGNC Symbol;Acc:HGNC:11937]	chr19:6583	NM_00125	.	.	.	NP_00124	XP_01688	protein_co	ENSG0000	970	11937
CD72	0.461571	0.20532	0.808194	0.197099	0.273637	0.375683	CD72 molecule [Source:HGNC Symbol;Acc:HGNC:1696]	chr9:35605	NM_00178	XM_01151	.	.	NP_00177	XP_00671	protein_co	ENSG0000	971	1696
CD74	0.567697	0.666323	0.781987	0.600398	0.297422	0.411731	CD74 molecule [Source:HGNC Symbol;Acc:HGNC:1697]	chr5:14978	NM_00102	.	.	.	NP_00102	XP_01686	protein_co	ENSG0000	972	1697
CD79A	0	0.310115	0.053699	0.400317	0.213577	0.135242	CD79a molecule [Source:HGNC Symbol;Acc:HGNC:1698]	chr19:4238	NM_00178	.	.	.	NP_00177	.	protein_co	ENSG0000	973	1698
CD79B	0.269746	0.211266	0.83486	0.399924	0.247274	0.525481	CD79b molecule [Source:HGNC Symbol;Acc:HGNC:1699]	chr17:6200	NM_00062	XM_00525	.	.	NP_00061	.	protein_co	ENSG0000	974	1699
CD80	0.044207	0.097031	0.13003	0.119319	0.097121	0.090098	CD80 molecule [Source:HGNC Symbol;Acc:HGNC:1700]	chr3:11921	NM_00519	.	.	.	NP_00518	XP_01686	protein_co	ENSG0000	941	1700
CD81	248.939	254.323	222.456	289.811	253.065	218.021	CD81 molecule [Source:HGNC Symbol;Acc:HGNC:1701]	chr11:2398	NM_00129	XM_01152	.	.	NP_00128	XP_01151	protein_co	ENSG0000	975	1701
CD82	7.59467	8.11234	11.235	7.84749	6.82461	5.52073	CD82 molecule [Source:HGNC Symbol;Acc:HGNC:6210]	chr11:4458	NM_00102	XM_00671	.	.	NP_00102	XP_00671	protein_co	ENSG0000	3732	6210
CD83	13.0341	13.5354	12.9206	7.08335	6.69049	7.68165	CD83 molecule [Source:HGNC Symbol;Acc:HGNC:1703]	chr6:14117	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	9308	1703
CD84	0	0	0	0	0	0	CD84 molecule [Source:HGNC Symbol;Acc:HGNC:1704]	chr1:16051	NM_00118	XM_01151	.	.	NP_00117	XP_01150	protein_co	ENSG0000	8832	1704
CD86	0	0	0	0	0	0	CD86 molecule [Source:HGNC Symbol;Acc:HGNC:1705]	chr3:12177	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	942	1705
CD8A	0.612931	0.69954	0.636985	1.36703	0.815004	0.83317	CD8a molecule [Source:HGNC Symbol;Acc:HGNC:1706]	chr2:87011	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	925	1706

CD8B	0	0	0	0	0	0	CD8b molecule [Source:HGNC Symbol;Acc:HGNC:1707]	chr2:87042	NM_00117	XM_01153	.	.	NP_00117	XP_011531	protein_co	ENSG0000	926	1707
CD9	185.246	188.073	162.512	215.666	181.616	187.42	CD9 molecule [Source:HGNC Symbol;Acc:HGNC:1709]	chr12:6308	NM_00176	XM_01152	.	.	NP_00176	XP_005253	protein_co	ENSG0000	928	1709
CD93	0	0	0	0	0	0	CD93 molecule [Source:HGNC Symbol;Acc:HGNC:15855]	chr20:2305	NM_01207	.	.	.	NP_03620	.	protein_co	ENSG0000	22918	15855
CD96	0.22353	0.203695	0.183103	0.252482	0.45488	0.342412	CD96 molecule [Source:HGNC Symbol;Acc:HGNC:16892]	chr3:11126	NM_00131	XM_00671	.	.	NP_00130	XP_006713	protein_co	ENSG0000	10225	16892
CD99	14.7181	16.364	14.4287	16.8048	12.5032	18.3536	CD99 molecule [Source:HGNC Symbol;Acc:HGNC:7082], mapped	chrX:26092	NM_00112	XM_00527	.	.	NP_00111	XP_005274	protein_co	ENSG0000	4267	7082
CD99L2	3.52072	3.28163	3.77018	3.55264	2.28737	2.68224	CD99 molecule like 2 [Source:HGNC Symbol;Acc:HGNC:18237]	chrX:14993	NM_00118	XM_00672	.	.	NP_00117	XP_011529	protein_co	ENSG0000	83692	18237
CDA	16.8142	17.3792	14.0527	19.0017	13.7521	15.0542	cytidine deaminase [Source:HGNC Symbol;Acc:HGNC:1712]	chr1:20915	NM_00178	.	.	.	NP_00177	.	protein_co	ENSG0000	978	1712
CDADC1	2.07105	2.07986	2.37141	1.80424	1.64192	1.83397	cytidine and dCMP deaminase domain containing 1 [Source:HGN	chr13:4982	NM_00119	XM_01153	.	.	NP_00118	XP_011533	protein_co	ENSG0000	81602	20299
CDAN1	4.78012	5.66846	4.5934	5.35995	5.72326	4.9782	codanin 1 [Source:HGNC Symbol;Acc:HGNC:1713]	chr15:4301	NM_13847	XM_01152	.	.	NP_61248	XP_005254	protein_co	ENSG0000	146059	1713
CDC123	57.0961	59.7175	56.748	69.8129	66.5964	59.6326	cell division cycle 123 [Source:HGNC Symbol;Acc:HGNC:16827]	chr10:1217	NM_00602	XM_00525	.	.	NP_00601	XP_005252	protein_co	ENSG0000	8872	16827
CDC14A	2.10834	2.87202	2.45915	1.8967	2.062	2.36455	cell division cycle 14A [Source:HGNC Symbol;Acc:HGNC:1718]	chr1:10081	NM_00131	XM_01154	.	.	NP_00130	XP_005271	protein_co	ENSG0000	8556	1718
CDC14B	9.81795	9.32379	11.6073	10.27	12.0276	13.9566	cell division cycle 14B [Source:HGNC Symbol;Acc:HGNC:1719]	chr9:99262	NM_00107	XM_01151	.	.	NP_00107	XP_005252	protein_co	ENSG0000	8555	1719
CDC16	36.5736	35.7328	34.5673	31.62	33.1118	31.444	cell division cycle 16 [Source:HGNC Symbol;Acc:HGNC:1720]	chr13:1150	NM_00107	XM_01702	.	.	NP_00107	XP_005266	protein_co	ENSG0000	8881	1720
CDC20	188.042	189.751	146.362	325.93	276.727	138.829	cell division cycle 20 [Source:HGNC Symbol;Acc:HGNC:1723]	chr1:43824	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	991	1723
CDC20B	0	0.057311	0.047422	0.069506	0	0.190685	cell division cycle 20B [Source:HGNC Symbol;Acc:HGNC:24222]	chr5:54408	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	166979	24222
CDC23	29.5904	31.6678	27.4599	25.0478	33.5647	22.7784	cell division cycle 23 [Source:HGNC Symbol;Acc:HGNC:1724]	chr5:13751	NM_00466	.	.	.	NP_00465	.	protein_co	ENSG0000	8697	1724
CDC25A	15.8094	15.6332	12.5479	18.4372	18.758	13.3175	cell division cycle 25A [Source:HGNC Symbol;Acc:HGNC:1725]	chr3:48198	NM_00178	XM_01153	.	.	NP_00178	XP_006713	protein_co	ENSG0000	993	1725
CDC25B	62.1684	64.2533	67.363	67.4176	66.6618	70.9799	cell division cycle 25B [Source:HGNC Symbol;Acc:HGNC:1726]	chr20:3767	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	994	1726
CDC25C	9.84939	8.90555	9.62264	8.95963	7.73844	8.44604	cell division cycle 25C [Source:HGNC Symbol;Acc:HGNC:1727]	chr5:13762	NM_00128	XM_01154	.	.	NP_00127	XP_005272	protein_co	ENSG0000	995	1727
CDC26	15.8644	16.4584	13.3499	16.1096	15.9413	13.5185	cell division cycle 26 [Source:HGNC Symbol;Acc:HGNC:17839]	chr9:11602	NM_13928	XM_01701	.	.	NP_64481	XP_016870	protein_co	ENSG0000	246184	17839
CDC27	36.6496	35.3631	38.8985	42.1537	53.7688	50.7432	cell division cycle 27 [Source:HGNC Symbol;Acc:HGNC:1728]	chr17:4519	NM_00111	XM_01702	.	.	NP_00110	XP_011523	protein_co	ENSG0000	996	1728
CDC34	60.2113	59.343	54.9849	77.2226	57.8213	54.4017	cell division cycle 34 [Source:HGNC Symbol;Acc:HGNC:1734]	chr19:5317	NM_00435	XM_00672	.	.	NP_00435	XP_006723	protein_co	ENSG0000	997	1734
CDC37	181	181.366	174.504	222.547	188.979	156.758	cell division cycle 37 [Source:HGNC Symbol;Acc:HGNC:1735]	chr19:1050	NM_00706	XM_01152	NR_03159	.	NP_00899	XP_011525	protein_co	ENSG0000	100302213	1735
CDC37L1	12.1326	11.5466	11.9763	13.751	14.087	12.4951	cell division cycle 37 like 1 [Source:HGNC Symbol;Acc:HGNC:1717	chr9:46795	NM_01791	.	.	.	NP_06038	.	protein_co	ENSG0000	55664	17179
CDC40	11.812	12.1912	10.4845	13.0629	12.5484	12.5279	cell division cycle 40 [Source:HGNC Symbol;Acc:HGNC:17350]	chr6:11050	NM_01589	XM_01153	.	.	NP_05697	.	protein_co	ENSG0000	51362	17350
CDC42	174.19	166.552	176.376	195.284	202.536	208.651	cell division cycle 42 [Source:HGNC Symbol;Acc:HGNC:1736]	chr1:22379	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	998	1736
CDC42BPA	9.74012	9.97651	12.3757	9.06071	12.1519	15.0119	CDC42 binding protein kinase alpha [Source:HGNC Symbol;Acc:H	chr1:22717	NM_00360	XM_01154	.	.	NP_00359	XP_005273	protein_co	ENSG0000	8476	1737
CDC42BPB	18.3228	19.5249	22.3766	18.9118	19.2714	21.1752	CDC42 binding protein kinase beta [Source:HGNC Symbol;Acc:HG	chr14:1033	NM_00603	XM_00526	.	.	NP_00602	XP_005268	protein_co	ENSG0000	9578	1738
CDC42BPG	9.11556	9.84308	10.2746	8.52092	7.19336	7.18527	CDC42 binding protein kinase gamma [Source:HGNC Symbol;Acc:	chr11:6459	NM_01752	XM_01154	.	.	NP_05999	XP_011543	protein_co	ENSG0000	55561	29829
CDC42EP1	63.0905	64.0176	56.8941	53.0616	43.8956	50.6296	CDC42 effector protein 1 [Source:HGNC Symbol;Acc:HGNC:17014	chr22:3795	NM_15224	XM_01702	.	.	NP_68944	XP_006724	protein_co	ENSG0000	11135	17014
CDC42EP2	17.7341	18.2029	19.2344	15.4935	12.9095	13.8165	CDC42 effector protein 2 [Source:HGNC Symbol;Acc:HGNC:16263	chr11:6508	NM_00677	XM_01701	.	.	NP_00677	XP_016872	protein_co	ENSG0000	10435	16263
CDC42EP3	15.3644	14.8356	14.1381	18.7562	20.0428	20.7439	CDC42 effector protein 3 [Source:HGNC Symbol;Acc:HGNC:16943	chr2:37869	NM_00127	XM_01153	.	.	NP_00125	XP_011530	protein_co	ENSG0000	10602	16943
CDC42EP4	25.6889	26.0989	26.7089	25.1151	25.683	24.4592	CDC42 effector protein 4 [Source:HGNC Symbol;Acc:HGNC:17147	chr17:7127	NM_01212	XM_00525	.	.	NP_03625	XP_005257	protein_co	ENSG0000	23580	17147
CDC42EP5	1.37732	0.183579	1.32614	1.45176	0	0.682495	CDC42 effector protein 5 [Source:HGNC Symbol;Acc:HGNC:17408	chr19:5497	NM_14505	.	.	.	NP_65949	.	protein_co	ENSG0000	148170	17408
CDC42SE1	37.2986	36.5787	32.4246	34.2294	35.8138	30.6157	CDC42 small effector 1 [Source:HGNC Symbol;Acc:HGNC:17719]	chr1:15102	NM_00103	XM_01700	.	.	NP_00103	XP_016857	protein_co	ENSG0000	56882	17719
CDC42SE2	20.5292	21.893	18.4076	16.8895	20.3773	24.1349	CDC42 small effector 2 [Source:HGNC Symbol;Acc:HGNC:18547]	chr5:13059	NM_00103	.	.	.	NP_00103	XP_016865	protein_co	ENSG0000	56990	18547
CDC45	16.5396	17.4743	13.8813	17.8356	15.0169	12.7836	cell division cycle 45 [Source:HGNC Symbol;Acc:HGNC:1739]	chr22:1946	NM_00117	XM_01153	.	.	NP_00117	XP_005261	protein_co	ENSG0000	8318	1739
CDC5L	14.3504	14.0139	12.5738	15.1675	14.657	14.507	cell division cycle 5 like [Source:HGNC Symbol;Acc:HGNC:1743]	chr6:44355	NM_00125	XM_00671	.	.	NP_00124	.	protein_co	ENSG0000	988	1743
CDC6	36.3455	37.0004	30.0539	44.8415	45.4292	35.5289	cell division cycle 6 [Source:HGNC Symbol;Acc:HGNC:1744]	chr17:3844	NM_00125	XM_01152	.	.	NP_00124	XP_011523	protein_co	ENSG0000	990	1744
CDC7	15.6357	13.1492	12.7921	13.957	16.59	14.5505	cell division cycle 7 [Source:HGNC Symbol;Acc:HGNC:1745]	chr1:91966	NM_00113	XM_01700	.	.	NP_00112	XP_005271	protein_co	ENSG0000	8317	1745
CDC73	10.8661	10.3481	9.99302	14.552	13.5366	15.811	cell division cycle 73 [Source:HGNC Symbol;Acc:HGNC:16783]	chr1:19309	NM_02452	.	.	.	NP_07880	.	protein_co	ENSG0000	79577	16783
CDCA2	13.7769	13.5635	14.3004	22.5173	25.769	21.4948	cell division cycle associated 2 [Source:HGNC Symbol;Acc:HGNC:1	chr8:25316	NM_00131	XM_01154	.	.	NP_00130	XP_006716	protein_co	ENSG0000	157313	14623
CDCA3	27.2711	23.7962	20.0988	42.628	36.129	24.868	cell division cycle associated 3 [Source:HGNC Symbol;Acc:HGNC:1	chr12:6949	NM_00129	XM_01152	.	.	NP_00128	XP_011519	protein_co	ENSG0000	83461	14624
CDCA4	51.0579	50.1497	43.6135	63.0936	56.3685	58.2795	cell division cycle associated 4 [Source:HGNC Symbol;Acc:HGNC:1	chr14:1054	NM_01795	.	.	.	NP_06042	.	protein_co	ENSG0000	55038	14625
CDCA5	61.0816	61.5735	50.5115	72.97	64.6524	46.7679	cell division cycle associated 5 [Source:HGNC Symbol;Acc:HGNC:1	chr11:6484	NM_08066	.	.	.	NP_54239	.	protein_co	ENSG0000	113130	14626
CDCA7	37.0859	37.6587	34.6169	45.2594	44.8981	36.9827	cell division cycle associated 7 [Source:HGNC Symbol;Acc:HGNC:1	chr2:17421	NM_03194	XM_01151	.	.	NP_11414	XP_011510	protein_co	ENSG0000	83879	14628
CDCA7L	42.4455	40.6994	40.6475	43.2261	40.5158	40.4327	cell division cycle associated 7 like [Source:HGNC Symbol;Acc:HG	chr7:21582	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	55536	30777
CDCA8	30.7461	30.6677	27.1878	48.9082	45.1805	34.3359	cell division cycle associated 8 [Source:HGNC Symbol;Acc:HGNC:1	chr1:38158	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	55143	14629
CDCP1	49.0487	48.9853	50.2205	53.509	57.8541	82.7247	CUB domain containing protein 1 [Source:HGNC Symbol;Acc:HGN	chr3:45123	NM_02284	XM_01153	.	.	NP_07375	XP_011532	protein_co	ENSG0000	64866	24357
CDCP2	0	0	0.04069	0.102092	0.054873	0.103928	CUB domain containing protein 2 [Source:HGNC Symbol;Acc:HGN	chr1:54598	NM_20154	.	.	.	NP_96384	.	protein_co	ENSG0000	200008	27297
CDH1	17.3021	18.5722	19.5652	16.1062	16.336	24.3975	cadherin 1 [Source:HGNC Symbol;Acc:HGNC:1748]	chr16:6877	NM_00131	XM_01152	.	.	NP_00130	XP_011521	protein_co	ENSG0000	999	1748
CDH10	0	0	0	0	0	0	cadherin 10 [Source:HGNC Symbol;Acc:HGNC:1749]	chr5:24487	NM_00672	XM_01700	.	.	NP_00130	XP_011512	protein_co	ENSG0000	1008	1749
CDH11	0	0	0	0	0	0	cadherin 11 [Source:HGNC Symbol;Acc:HGNC:1750]	chr16:6497	NM_00130	XM_01152	.	.	NP_00129	XP_005255	protein_co	ENSG0000	1009	1750
CDH12	0	0	0	0	0	0	cadherin 12 [Source:HGNC Symbol;Acc:HGNC:1751]	chr5:21750	NM_00406	XM_01151	.	.	NP_00130	XP_011512	protein_co	ENSG0000	1010	1751
CDH13	0	0	0	0	0	0	cadherin 13 [Source:HGNC Symbol;Acc:HGNC:1753]	chr16:8266	NM_00122	.	.	.	NP_00120	.	protein_co	ENSG0000	1012	1753
CDH15	1.564	1.37352	1.41846	1.80526	1.67252	1.39712	cadherin 15 [Source:HGNC Symbol;Acc:HGNC:1754]	chr16:8923	NM_00493	XM_01152	.	.	NP_00492	.	protein_co	ENSG0000	1013	1754
CDH16	0	0	0	0	0	0	cadherin 16 [Source:HGNC Symbol;Acc:HGNC:1755]	chr16:6694	NM_00120	XM_01152	.	.	NP_00119	XP_005255	protein_co	ENSG0000	1014	1755
CDH17	0.037156	0	0.061419	0	0	0.030599	cadherin 17 [Source:HGNC Symbol;Acc:HGNC:1756]	chr8:95139	NM_00114	XM_01151	.	.	NP_00113	XP_011515	protein_co	ENSG0000	1015	1756
CDH18	0	0	0	0	0	0	cadherin 18 [Source:HGNC Symbol;Acc:HGNC:1757]	chr5:19473	NM_00116	XM_01700	.	.	NP_00116	XP_005248	protein_co	ENSG0000	1016	1757

CDH19	0	0	0	0	0	0	cadherin 19 [Source:HGNC Symbol;Acc:HGNC:1758]	chr18:6416	NM_00127	XM_01152	.	.	NP_00125	XP_011524	protein_co	ENSG0000	28513	1758
CDH2	0	0	0	0	0	0	cadherin 2 [Source:HGNC Symbol;Acc:HGNC:1759]	chr18:2553	NM_00130	XM_01152	.	.	NP_00129	XP_005258	protein_co	ENSG0000	1000	1759
CDH20	0	0	0.019783	0	0	0	cadherin 20 [Source:HGNC Symbol;Acc:HGNC:1760]	chr18:5900	NM_03189	XM_00526	.	.	NP_11409	XP_005266	protein_co	ENSG0000	28316	1760
CDH22	0.964877	0.598752	1.26935	0.740405	0.963693	0.872386	cadherin 22 [Source:HGNC Symbol;Acc:HGNC:13251]	chr20:4480	NM_02124	XM_01152	.	.	NP_06707	XP_011527	protein_co	ENSG0000	64405	13251
CDH23	0.017239	0	0.041369	0	0	0.016921	cadherin related 23 [Source:HGNC Symbol;Acc:HGNC:13733]	chr10:7315	NM_00117	XM_01701	.	.	NP_00116	XP_006718	protein_co	ENSG0000	64072	13733
CDH24	8.81727	8.15514	10.3496	8.93376	8.79583	8.96547	cadherin 24 [Source:HGNC Symbol;Acc:HGNC:14265]	chr14:2351	NM_02247	XM_01153	.	.	NP_07192	.	protein_co	ENSG0000	64403	14265
CDH26	0.04334	0.089593	0	0	0.024519	0.022337	cadherin 26 [Source:HGNC Symbol;Acc:HGNC:15902]	chr20:5853	NM_02181	XM_01152	.	.	NP_06858	XP_006723	protein_co	ENSG0000	60437	15902
CDH3	47.2227	50.4777	53.8769	56.702	50.997	57.3541	cadherin 3 [Source:HGNC Symbol;Acc:HGNC:1762]	chr16:6867	NM_00131	XM_01152	.	.	NP_00130	XP_011521	protein_co	ENSG0000	1001	1762
CDH4	0.022881	0.021208	0	0	0	0	cadherin 4 [Source:HGNC Symbol;Acc:HGNC:1763]	chr20:5982	NM_00125	.	.	.	NP_00123	.	protein_co	ENSG0000	1002	1763
CDH5	0	0	0	0	0	0	cadherin 5 [Source:HGNC Symbol;Acc:HGNC:1764]	chr16:6640	NM_00179	XM_01152	.	.	NP_00178	XP_011521	protein_co	ENSG0000	1003	1764
CDH6	0	0	0	0.025923	0	0	cadherin 6 [Source:HGNC Symbol;Acc:HGNC:1765]	chr5:31193	NM_00493	XM_01700	.	.	NP_00492	XP_011512	protein_co	ENSG0000	1004	1765
CDH7	0	0	0	0	0	0	cadherin 7 [Source:HGNC Symbol;Acc:HGNC:1766]	chr18:6341	NM_00131	XM_01152	.	.	NP_00130	XP_016881	protein_co	ENSG0000	1005	1766
CDH8	0	0	0	0	0	0	cadherin 8 [Source:HGNC Symbol;Acc:HGNC:1767]	chr16:6168	NM_00179	XM_00525	.	.	NP_00178	XP_005255	protein_co	ENSG0000	1006	1767
CDH9	0	0	0	0	0	0	cadherin 9 [Source:HGNC Symbol;Acc:HGNC:1768]	chr5:26880	NM_01627	XM_01151	.	.	NP_05736	XP_011512	protein_co	ENSG0000	1007	1768
CDHR1	0	0	0	0.025885	0	0	cadherin related family member 1 [Source:HGNC Symbol;Acc:HG	chr10:8595	NM_00117	XM_01154	.	.	NP_00116	XP_011538	protein_co	ENSG0000	92211	14550
CDHR2	0.014493	0.049005	0.042622	0	0.067121	0	cadherin related family member 2 [Source:HGNC Symbol;Acc:HG	chr5:17596	NM_00117	XM_01153	.	.	NP_00116	.	protein_co	ENSG0000	54825	18231
CDHR3	0.214546	0.16051	0.107059	0.092868	0.085595	0.063809	cadherin related family member 3 [Source:HGNC Symbol;Acc:HG	chr7:10560	NM_00130	XM_01151	.	.	NP_00128	XP_005250	protein_co	ENSG0000	222256	26308
CDHR4	0.031002	0	0	0.100273	0.071342	0.091494	cadherin related family member 4 [Source:HGNC Symbol;Acc:HG	chr3:49828	NM_00100	XM_01153	.	.	NP_00100	XP_011532	protein_co	ENSG0000	389118	34527
CDHR5	0	0.021007	0	0	0	0	cadherin related family member 5 [Source:HGNC Symbol;Acc:HG	chr11:6165	NM_00117	XM_01152	.	.	NP_00116	XP_006718	protein_co	ENSG0000	53841	7521
CDIP1	4.246	5.01621	6.43838	5.77122	5.01979	4.36582	cell death inducing p53 target 1 [Source:HGNC Symbol;Acc:HGNC	chr16:4560	NM_00119	XM_01152	.	.	NP_00118	XP_011520	protein_co	ENSG0000	29965	13234
CDIPT	49.2575	47.0491	48.136	45.6256	38.9978	39.4976	CDP-diacylglycerol--inositol 3-phosphatidyltransferase [Source:H	chr16:2986	NM_00128	XM_00525	.	.	NP_00127	XP_005255	protein_co	ENSG0000	10423	1769
CDK1	93.6102	93.4511	93.6222	130.9	141.241	112.797	cyclin dependent kinase 1 [Source:HGNC Symbol;Acc:HGNC:1722	chr10:6253	NM_00132	XM_00671	.	.	NP_00130	XP_005270	protein_co	ENSG0000	983	1722
CDK10	34.4931	41.4867	42.5156	40.8734	34.5912	37.0951	cyclin dependent kinase 10 [Source:HGNC Symbol;Acc:HGNC:177	chr16:8974	NM_00109	XM_01152	.	.	NP_00109	XP_006721	protein_co	ENSG0000	8558	1770
CDK11A	7.5746	7.16729	7.84792	6.75822	7.0992	6.64555	cyclin dependent kinase 11A [Source:HGNC Symbol;Acc:HGNC:17	chr1:16341	NM_02401	.	.	.	NP_00130	XP_016858	protein_co	ENSG0000	728642	1730
CDK11B	9.69212	11.714	10.5807	12.5324	9.68869	8.84711	cyclin dependent kinase 11B [Source:HGNC Symbol;Acc:HGNC:17	chr1:15706	NM_00129	XM_01154	.	.	NP_00127	XP_006711	protein_co	ENSG0000	984	1729
CDK12	12.607	13.2365	12.6717	12.8856	13.9532	12.0377	cyclin dependent kinase 12 [Source:HGNC Symbol;Acc:HGNC:242	chr17:3761	NM_01508	XM_01152	.	.	NP_05589	XP_005257	protein_co	ENSG0000	51755	24224
CDK13	7.44797	8.18305	7.06192	6.61295	7.52168	8.16595	cyclin dependent kinase 13 [Source:HGNC Symbol;Acc:HGNC:173	chr7:39989	NM_00371	.	.	.	NP_00370	.	protein_co	ENSG0000	8621	1733
CDK14	2.62706	3.23604	3.36914	2.89442	3.72154	4.29506	cyclin dependent kinase 14 [Source:HGNC Symbol;Acc:HGNC:888	chr7:90225	NM_00128	XM_01701	.	.	NP_00127	XP_005250	protein_co	ENSG0000	5218	8883
CDK15	0	0	0	0	0	0	cyclin dependent kinase 15 [Source:HGNC Symbol;Acc:HGNC:144	chr2:20265	NM_00126	XM_01151	.	.	NP_00124	XP_005246	protein_co	ENSG0000	65061	14434
CDK16	38.1295	39.5194	34.7814	46.3379	39.2081	37.9596	cyclin dependent kinase 16 [Source:HGNC Symbol;Acc:HGNC:874	chrX:47077	NM_00117	XM_01154	.	.	NP_00116	XP_011542	protein_co	ENSG0000	5127	8749
CDK17	7.49651	7.2763	7.06473	7.0685	9.12239	9.95994	cyclin dependent kinase 17 [Source:HGNC Symbol;Acc:HGNC:875	chr12:9667	NM_00117	XM_01153	.	.	NP_00116	XP_006719	protein_co	ENSG0000	5128	8750
CDK18	7.95144	7.37054	10.9564	6.64372	6.37111	7.18184	cyclin dependent kinase 18 [Source:HGNC Symbol;Acc:HGNC:875	chr1:20547	NM_00259	XM_01150	.	.	NP_00258	XP_011507	protein_co	ENSG0000	5129	8751
CDK19	4.63515	5.23125	6.20998	3.84749	5.54959	7.78874	cyclin dependent kinase 19 [Source:HGNC Symbol;Acc:HGNC:193	chr6:11093	NM_00130	XM_01701	.	.	NP_00128	XP_005266	protein_co	ENSG0000	23097	19338
CDK2	73.3137	72.075	64.7141	80.8557	78.7016	71.875	cyclin dependent kinase 2 [Source:HGNC Symbol;Acc:HGNC:1771	chr12:5636	NM_00129	XM_01153	.	.	NP_00127	XP_011536	protein_co	ENSG0000	1017	1771
CDK20	2.88983	2.70966	3.06937	3.28912	3.09115	2.83262	cyclin dependent kinase 20 [Source:HGNC Symbol;Acc:HGNC:214	chr9:90581	NM_00103	XM_01701	.	.	NP_00103	XP_016870	protein_co	ENSG0000	23552	21420
CDK2AP1	95.6857	98.1953	81.5504	100.055	112.645	96.2258	cyclin dependent kinase 2 associated protein 1 [Source:HGNC Syr	chr12:1237	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	8099	14002
CDK2AP2	89.8357	84.7872	40.1306	91.8089	75.9564	55.1611	cyclin dependent kinase 2 associated protein 2 [Source:HGNC Syr	chr11:6727	NM_00585	.	.	.	NP_00584	.	protein_co	ENSG0000	10263	30833
CDK3	2.24296	0.076467	1.47264	1.0385	1.10323	0.13839	cyclin dependent kinase 3 [Source:HGNC Symbol;Acc:HGNC:1772	chr17:7393	.	.	.	.	.	.	protein_co	ENSG0000	.	1772
CDK4	154.804	146.324	124.135	182.218	148.864	142.43	cyclin dependent kinase 4 [Source:HGNC Symbol;Acc:HGNC:1773	chr12:5813	NM_00007	.	.	.	NP_00006	.	protein_co	ENSG0000	1019	1773
CDK5	13.7403	14.2684	17.0466	16.4583	12.9314	9.20068	cyclin dependent kinase 5 [Source:HGNC Symbol;Acc:HGNC:1774	chr7:15075	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	1020	1774
CDK5R1	4.0582	4.03492	4.08815	5.05091	4.57298	3.51635	cyclin dependent kinase 5 regulatory subunit 1 [Source:HGNC Syr	chr17:3081	NM_00388	XM_01152	.	.	NP_00387	XP_011523	protein_co	ENSG0000	8851	1775
CDK5R2	0.371693	0.510259	0.541244	0.394774	0.499053	0.658225	cyclin dependent kinase 5 regulatory subunit 2 [Source:HGNC Syr	chr2:21982	NM_00393	.	.	.	NP_00392	.	protein_co	ENSG0000	8941	1776
CDK5RAP1	16.9238	17.6008	18.3088	20.8944	18.0841	16.2857	CDK5 regulatory subunit associated protein 1 [Source:HGNC Syml	chr20:3194	NM_00127	XM_01152	.	.	NP_00126	XP_011527	protein_co	ENSG0000	51654	15880
CDK5RAP2	9.0749	10.0382	8.69781	11.1523	12.4608	11.7778	CDK5 regulatory subunit associated protein 2 [Source:HGNC Syml	chr9:12315	NM_00101	XM_01151	.	.	NP_00101	XP_006717	protein_co	ENSG0000	55755	18672
CDK5RAP3	61.87	55.8031	58.9834	61.1715	56.9077	43.0057	CDK5 regulatory subunit associated protein 3 [Source:HGNC Syml	chr17:4604	NM_00127	XM_01152	.	.	NP_00126	XP_011523	protein_co	ENSG0000	80279	18673
CDK6	18.7564	21.0515	16.2569	13.9366	16.434	14.873	cyclin dependent kinase 6 [Source:HGNC Symbol;Acc:HGNC:1777	chr7:92234	NM_00114	XM_01151	.	.	NP_00113	XP_006715	protein_co	ENSG0000	1021	1777
CDK7	42.2897	40.0219	35.6001	34.7442	33.6373	33.1093	cyclin dependent kinase 7 [Source:HGNC Symbol;Acc:HGNC:1778	chr5:68530	NM_00132	XM_01154	.	.	NP_00131	XP_011541	protein_co	ENSG0000	1022	1778
CDK8	11.5672	11.8994	11.3162	11.5402	12.6477	11.4208	cyclin dependent kinase 8 [Source:HGNC Symbol;Acc:HGNC:1779	chr13:2682	NM_00126	XM_01153	.	.	NP_00125	XP_005266	protein_co	ENSG0000	1024	1779
CDK9	27.4859	28.5176	32.6069	31.0032	28.8293	29.9929	cyclin dependent kinase 9 [Source:HGNC Symbol;Acc:HGNC:1780	chr9:13054	NM_00126	.	NR_03605	.	NP_00125	.	protein_co	ENSG0000	100616250	1780
CDKAL1	6.81605	6.04182	6.24672	6.83684	6.40845	7.57218	CDK5 regulatory subunit associated protein 1 like 1 [Source:HGN	chr6:20534	NM_01777	XM_01151	.	.	NP_06024	XP_011513	protein_co	ENSG0000	54901	21050
CDKL1	1.58228	1.59604	1.83165	1.70609	2.62487	1.51599	cyclin dependent kinase like 1 [Source:HGNC Symbol;Acc:HGNC:1	chr14:5070	NM_00128	XM_01153	.	.	NP_00126	XP_005268	protein_co	ENSG0000	8814	1781
CDKL2	0.595632	0.431242	0.530379	0.421212	0.575587	0.4312	cyclin dependent kinase like 2 [Source:HGNC Symbol;Acc:HGNC:1	chr4:76503	NM_00394	XM_00671	.	.	NP_00393	XP_005263	protein_co	ENSG0000	8999	1782
CDKL3	2.04616	2.26475	3.3009	2.7124	1.35846	2.2775	cyclin dependent kinase like 3 [Source:HGNC Symbol;Acc:HGNC:1	chr5:13363	NM_00111	XM_01154	.	.	NP_00110	XP_011541	protein_co	ENSG0000	51265	15483
CDKL4	0	0	0	0	0	0	cyclin dependent kinase like 4 [Source:HGNC Symbol;Acc:HGNC:1	chr2:39405	NM_00100	XM_01153	.	.	NP_00100	XP_011531	protein_co	ENSG0000	344387	19287
CDKL5	0.741236	0.63359	0.939541	0.685717	0.793559	1.3515	cyclin dependent kinase like 5 [Source:HGNC Symbol;Acc:HGNC:1	chrX:18443	NM_00103	XM_01154	.	.	NP_00103	.	protein_co	ENSG0000	6792	11411
CDKN1A	229.278	236.274	369.923	254.365	222.208	226.159	cyclin dependent kinase inhibitor 1A [Source:HGNC Symbol;Acc:H	chr6:36644	NM_00038	.	.	.	NP_00038	.	protein_co	ENSG0000	1026	1784
CDKN1B	19.5692	19.1148	13.912	16.0938	17.1776	17.851	cyclin dependent kinase inhibitor 1B [Source:HGNC Symbol;Acc:H	chr12:1287	NM_00406	.	.	.	NP_00405	.	protein_co	ENSG0000	1027	1785
CDKN1C	9.1537	10.034	11.3394	7.19123	5.4768	13.2731	cyclin dependent kinase inhibitor 1C [Source:HGNC Symbol;Acc:H	chr11:2904	NM_00007	XM_00525	.	.	NP_00006	XP_005252	protein_co	ENSG0000	1028	1786
CDKN2A	47.1148	54.3566	51.0809	87.5134	66.6161	88.261	cyclin dependent kinase inhibitor 2A [Source:HGNC Symbol;Acc:H	chr9:21967	NM_00007	XM_01151	.	.	NP_00006	XP_005251	protein_co	ENSG0000	1029	1787

CDKN2AIP	7.38711	7.71294	6.01094	8.31657	8.26813	6.16678	CDKN2A interacting protein [Source:HGNC Symbol;Acc:HGNC:24	chr4:18436	NM_01763	XM_00526	.	.	NP_00130	.	protein_co	ENSG0000	55602	24325
CDKN2AIPNL	44.4933	42.3609	46.7469	57.3162	55.2549	48.8061	CDKN2A interacting protein N-terminal like [Source:HGNC Symbo	chr5:13373	NM_08065	.	.	.	NP_54238	.	protein_co	ENSG0000	91368	30545
CDKN2B	1.11409	1.73117	2.62634	2.67113	1.65313	3.23696	cyclin dependent kinase inhibitor 2B [Source:HGNC Symbol;Acc:H	chr9:22002	NM_00493	.	.	.	NP_00492	.	protein_co	ENSG0000	1030	1788
CDKN2C	6.91374	6.03543	4.8351	13.205	8.98061	9.46514	cyclin dependent kinase inhibitor 2C [Source:HGNC Symbol;Acc:H	chr1:51426	NM_00126	.	.	.	NP_00125	.	protein_co	ENSG0000	1031	1789
CDKN2D	12.3903	10.3361	11.0527	13.9164	12.2467	17.7766	cyclin dependent kinase inhibitor 2D [Source:HGNC Symbol;Acc:H	chr19:1067	NM_00180	.	.	.	NP_00179	.	protein_co	ENSG0000	1032	1790
CDKN3	33.3544	31.5051	25.055	65.7634	71.4545	50.4095	cyclin dependent kinase inhibitor 3 [Source:HGNC Symbol;Acc:HG	chr14:5486	NM_00113	XM_01153	.	.	NP_00112	XP_011534	protein_co	ENSG0000	1033	1791
CDNF	0.568229	0.438119	0.674196	0.175308	0.230235	0.771277	cerebral dopamine neurotrophic factor [Source:HGNC Symbol;Ac	chr10:1486	NM_00102	XM_01151	.	.	NP_00102	XP_011517	protein_co	ENSG0000	441549	24913
CDO1	0.044305	0	0.038341	0	0	0	cysteine dioxygenase type 1 [Source:HGNC Symbol;Acc:HGNC:17	chr5:11514	NM_00180	.	.	.	NP_00131	.	protein_co	ENSG0000	1036	1795
CDON	3.01445	3.12153	2.949	3.06001	3.16158	2.75595	cell adhesion associated, oncogene regulated [Source:HGNC Sym	chr11:1258	NM_00124	XM_01154	.	.	NP_00123	XP_011541	protein_co	ENSG0000	50937	17104
CDPF1	9.41145	9.38132	7.07027	9.33335	8.68578	7.93172	cysteine rich DPF motif domain containing 1 [Source:HGNC Symb	chr22:4663	NM_20732	XM_01152	.	.	NP_99721	XP_011528	protein_co	ENSG0000	150383	33710
CDR1	0	0	0	0	0	0	cerebellar degeneration related protein 1 [Source:HGNC Symbol;	chrX:13986	NM_00406	.	.	.	NP_00405	.	protein_co	ENSG0000	1038	1798
CDR2	15.7495	15.7134	14.9205	14.8809	14.4611	14.4745	cerebellar degeneration related protein 2 [Source:HGNC Symbol;	chr16:2235	NM_00180	XM_00527	.	.	NP_00179	XP_00527	protein_co	ENSG0000	10106039	1799
CDR2L	15.8517	18.0483	17.0634	23.7357	21.7783	17.4762	cerebellar degeneration related protein 2 like [Source:HGNC Sym	chr17:7298	NM_01460	XM_00672	.	.	NP_05541	XP_00672	protein_co	ENSG0000	30850	29999
CDRT1	0.094043	0.487898	0.165118	0.104116	0	0.194956	CMT1A duplicated region transcript 1 [Source:HGNC Symbol;Acc:	chr17:1547	NM_00638	.	.	.	NP_00637	.	protein_co	ENSG0000	374286	14379
CDRT15	0	0.141814	0	0	0	0	CMT1A duplicated region transcript 15 [Source:HGNC Symbol;Ac	chr17:1413	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	146822	14395
CDRT15L2	0	0	0	0	0	0	CMT1A duplicated region transcript 15-like 2 [Source:HGNC Symb	chr17:2048	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	256223	34075
CDRT4	5.62522	4.73646	3.31164	4.26401	3.55092	4.76926	CMT1A duplicated region transcript 4 [Source:HGNC Symbol;Acc:	chr17:1533	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	284040	14383
CDS1	8.87383	8.13979	7.7435	8.4737	9.79814	14.2036	CDP-diacylglycerol synthase 1 [Source:HGNC Symbol;Acc:HGNC:1	chr4:85504	NM_00126	XM_00526	.	.	NP_00125	XP_005262	protein_co	ENSG0000	1040	1800
CDS2	9.77544	9.56278	11.8439	8.25236	8.00993	9.92971	CDP-diacylglycerol synthase 2 [Source:HGNC Symbol;Acc:HGNC:1	chr20:5107	NM_00381	XM_01152	.	.	NP_00380	XP_006723	protein_co	ENSG0000	8760	1801
CDSN	0.175174	0.177124	0.210644	0.152245	0.319581	0.113063	corneodesmosin [Source:HGNC Symbol;Acc:HGNC:1802]	chr6:31082	NM_00126	.	.	.	NP_00125	.	protein_co	ENSG0000	1041	1802
CDT1	52.3936	50.2865	37.2017	64.4735	57.6925	49.1537	chromatin licensing and DNA replication factor 1 [Source:HGNC S	chr16:8888	NM_03092	.	.	.	NP_11219	.	protein_co	ENSG0000	81620	24576
CDV3	96.5821	95.9104	86.4298	95.8084	112.838	93.6863	CDV3 homolog [Source:HGNC Symbol;Acc:HGNC:26928]	chr3:13329	NM_00113	XM_01700	.	.	NP_00112	XP_005247	protein_co	ENSG0000	55573	26928
CDX1	0	0.053594	0	0	0	0	caudal type homeobox 1 [Source:HGNC Symbol;Acc:HGNC:1805]	chr5:14954	NM_00180	.	.	.	NP_00179	.	protein_co	ENSG0000	1044	1805
CDX2	5.69372	6.30923	6.02675	6.62336	6.72721	5.0859	caudal type homeobox 2 [Source:HGNC Symbol;Acc:HGNC:1806]	chr13:2853	NM_00126	XM_01153	.	.	NP_00125	XP_011533	protein_co	ENSG0000	1045	1806
CDX4	0	0	0	0	0	0	caudal type homeobox 4 [Source:HGNC Symbol;Acc:HGNC:1808]	chrX:72667	NM_00519	.	.	.	NP_00518	.	protein_co	ENSG0000	1046	1808
CDY1	0	0	0	0	0	0	chromodomain Y-linked 1 [Source:HGNC Symbol;Acc:HGNC:1809	chrY:27768	NM_00468	.	.	.	NP_00467	.	protein_co	ENSG0000	9085	1809
CDY1B	0	0	0	0	0	0	chromodomain Y-linked 1B [Source:HGNC Symbol;Acc:HGNC:239	chrY:26191	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	253175	23920
CDY2A	0	0	0	0	0	0	chromodomain Y-linked 2A [Source:HGNC Symbol;Acc:HGNC:181	chrY:20137	NM_00482	.	.	.	NP_00481	.	protein_co	ENSG0000	9426	1810
CDY2B	0	0	0	0	0	0	chromodomain Y-linked 2B [Source:HGNC Symbol;Acc:HGNC:239	chrY:19989	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	203611	23921
CDYL	15.9424	16.8555	15.8881	16.9812	16.5339	17.1644	chromodomain Y-like [Source:HGNC Symbol;Acc:HGNC:1811]	chr6:47063	NM_00114	XM_01151	.	.	NP_00113	XP_011513	protein_co	ENSG0000	9425	1811
CDYL2	0.019672	0	0	0	0	0.009814	chromodomain Y-like 2 [Source:HGNC Symbol;Acc:HGNC:23030]	chr16:8063	NM_15234	XM_01152	.	.	NP_68955	XP_011521	protein_co	ENSG0000	124359	23030
CEACAM1	1.60463	1.32191	0.81889	1.13504	1.25205	1.2101	carcinoembryonic antigen related cell adhesion molecule 1 [Sour	chr19:4301	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	634	1814
CEACAM16	0	0	0	0.052154	0	0	carcinoembryonic antigen related cell adhesion molecule 16 [Sou	chr19:4520	NM_00103	XM_01152	.	.	NP_00103	.	protein_co	ENSG0000	388551	31948
CEACAM18	0	0	0	0	0	0	carcinoembryonic antigen related cell adhesion molecule 18 [Sou	chr19:5198	NM_00127	XM_01152	.	.	NP_00126	XP_011525	protein_co	ENSG0000	.	31949
CEACAM19	1.73551	1.51489	1.5995	2.14268	1.89011	2.20994	carcinoembryonic antigen related cell adhesion molecule 19 [Sou	chr19:4517	NM_00112	XM_00672	.	.	NP_00112	.	protein_co	ENSG0000	56971	31951
CEACAM20	0	0	0.032722	0	0.052686	0	carcinoembryonic antigen related cell adhesion molecule 20 [Sou	chr19:4500	NM_00110	XM_01152	.	.	NP_00109	XP_011524	protein_co	ENSG0000	125931	24879
CEACAM21	0	0.076933	0	0	0	0.158331	carcinoembryonic antigen related cell adhesion molecule 21 [Sou	chr19:4205	NM_00109	XM_01702	.	.	NP_00109	XP_005278	protein_co	ENSG0000	90273	28834
CEACAM3	0	0	0	0	0	0	carcinoembryonic antigen related cell adhesion molecule 3 [Sour	chr19:4230	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	1084	1815
CEACAM4	0	0	0	0	0	0	carcinoembryonic antigen related cell adhesion molecule 4 [Sour	chr19:4212	NM_00181	XM_01152	.	.	NP_00180	XP_006723	protein_co	ENSG0000	1089	1816
CEACAM5	0	0	0	0	0	0	carcinoembryonic antigen related cell adhesion molecule 5 [Sour	chr19:4221	NM_00129	XM_01702	.	.	NP_00127	XP_011524	protein_co	ENSG0000	1048	1817
CEACAM6	0	0	0	0.029021	0	0	carcinoembryonic antigen related cell adhesion molecule 6 [Sour	chr19:4221	NM_00248	XM_01152	.	.	NP_00247	XP_011525	protein_co	ENSG0000	4680	1818
CEACAM7	0	0	0	0	0	0	carcinoembryonic antigen related cell adhesion molecule 7 [Sour	chr19:4217	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	1087	1819
CEACAM8	0	0	0	0	0	0	carcinoembryonic antigen related cell adhesion molecule 8 [Sour	chr19:4308	NM_00181	.	.	.	NP_00180	XP_016881	protein_co	ENSG0000	1088	1820
CEBPA	7.71712	6.67396	6.98046	5.90734	6.73842	5.31382	CCAAT/enhancer binding protein alpha [Source:HGNC Symbol;Ac	chr19:3379	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	1050	1833
CEBPB	43.72	45.1891	42.3243	38.9352	36.0676	86.3338	CCAAT/enhancer binding protein beta [Source:HGNC Symbol;Acc	chr20:4880	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	1051	1834
CEBPD	4.23375	4.50876	5.74502	3.02263	3.0555	2.82248	CCAAT/enhancer binding protein delta [Source:HGNC Symbol;Ac	chr8:48649	NM_00519	.	.	.	NP_00518	.	protein_co	ENSG0000	1052	1835
CEBPE	0	0	0	0	0	0	CCAAT/enhancer binding protein epsilon [Source:HGNC Symbol;A	chr14:2358	NM_00180	.	.	.	NP_00179	.	protein_co	ENSG0000	1053	1836
CEBPG	28.8437	29.2785	19.0322	23.7208	26.1943	47.2552	CCAAT/enhancer binding protein gamma [Source:HGNC Symbol;A	chr19:3386	NM_00125	.	.	.	NP_00123	.	protein_co	ENSG0000	1054	1837
CEBPZ	24.0379	22.8154	23.1929	22.0631	26.699	20.6885	CCAAT/enhancer binding protein zeta [Source:HGNC Symbol;Acc	chr2:37394	NM_00576	.	.	.	NP_00575	.	protein_co	ENSG0000	10153	24218
CEBPZOS	35.1987	32.4226	33.3366	33.0602	37.0631	29.1368	CEBPZ opposite strand [Source:HGNC Symbol;Acc:HGNC:49288]	chr2:37394	NM_00132	XM_01700	.	.	NP_00130	XP_016858	protein_co	ENSG0000	10050587	49288
CECR1	0	0	0	0	0.049373	0	cat eye syndrome chromosome region, candidate 1 [Source:HGN	chr22:1765	NM_00128	XM_01154	.	.	NP_00126	XP_011544	protein_co	ENSG0000	51816	1839
CECR2	1.35215	1.46513	2.02033	1.09562	1.25479	1.49976	CECR2, histone acetyl-lysine reader [Source:HGNC Symbol;Acc:HG	chr22:1784	NM_00129	XM_01702	.	.	NP_00127	XP_011544	protein_co	ENSG0000	27443	1840
CECR5	48.0586	48.7356	42.8947	58.2237	53.4069	39.6663	cat eye syndrome chromosome region, candidate 5 [Source:HGN	chr22:1761	NM_01782	XM_01154	.	.	NP_06029	XP_005261	protein_co	ENSG0000	27440	1843
CECR6	0.852546	0.483163	0.406162	0.54635	0.454622	0.247656	cat eye syndrome chromosome region, candidate 6 [Source:HGN	chr22:1759	NM_00116	XM_01154	.	.	NP_00115	XP_011544	protein_co	ENSG0000	27439	1844
CEL	0.675031	1.06437	1.1201	1.02573	0.930032	0.355343	carboxyl ester lipase [Source:HGNC Symbol;Acc:HGNC:1848]	chr9:13593	NM_00180	.	.	.	NP_00179	.	protein_co	ENSG0000	1056	1848
CELA1	0	0	0	0	0	0	chymotrypsin like elastase family member 1 [Source:HGNC Symb	chr12:5172	NM_00197	.	.	.	NP_00196	.	protein_co	ENSG0000	1990	3308
CELA2A	0	0	0	0	0	0	chymotrypsin like elastase family member 2A [Source:HGNC Sym	chr1:15783	NM_03344	.	.	.	NP_25427	.	protein_co	ENSG0000	63036	24609
CELA2B	0	0	0	0	0	0	chymotrypsin like elastase family member 2B [Source:HGNC Sym	chr1:15802	NM_01584	.	.	.	NP_05693	.	protein_co	ENSG0000	51032	29995
CELA3A	0.148586	0	0.087112	0	0	0	chymotrypsin like elastase family member 3A [Source:HGNC Sym	chr1:22328	NM_00574	.	.	.	NP_00573	.	protein_co	ENSG0000	10136	15944

CELA3B	0	0.101108	0.175331	0	0.118215	0	chymotrypsin like elastase family member 3B [Source:HGNC Sym	chr1:22303	NM_00735	.	.	.	NP_03137	.	protein_co	ENSG0000	23436	15945
CELF1	29.8351	33.737	33.8843	30.7325	33.7786	36.127	CUGBP, Elav-like family member 1 [Source:HGNC Symbol;Acc:HG	chr11:4748	NM_00102	XM_01701	.	.	NP_00102	XP_011518	protein_co	ENSG0000	10658	2549
CELF2	0.017706	0.075372	0	0	0	0	CUGBP, Elav-like family member 2 [Source:HGNC Symbol;Acc:HG	chr10:1084	NM_00102	XM_01701	.	.	NP_00102	XP_005252	protein_co	ENSG0000	10659	2550
CELF3	0.038093	0	0	0.040702	0	0	CUGBP, Elav-like family member 3 [Source:HGNC Symbol;Acc:HG	chr1:15167	NM_00117	XM_01150	.	.	NP_00116	XP_006711	protein_co	ENSG0000	11189	11967
CELF4	0	0	0	0	0	0.02571	CUGBP, Elav-like family member 4 [Source:HGNC Symbol;Acc:HG	chr18:3482	NM_00102	XM_01152	.	.	NP_00102	XP_005258	protein_co	ENSG0000	56853	14015
CELF5	0.988753	1.33244	1.48978	0.807108	0.762162	0.767639	CUGBP, Elav-like family member 5 [Source:HGNC Symbol;Acc:HG	chr19:3224	NM_00117	XM_01152	.	.	NP_00116	XP_006722	protein_co	ENSG0000	60680	14058
CELF6	0.952992	0.914176	0.901651	1.30971	1.28934	1.13347	CUGBP, Elav-like family member 6 [Source:HGNC Symbol;Acc:HG	chr15:7257	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	60677	14059
CELSR1	5.14177	5.84501	6.2953	5.50002	5.7949	6.4354	cadherin EGF LAG seven-pass G-type receptor 1 [Source:HGNC Sy	chr22:4675	NM_01424	XM_01153	.	.	NP_05506	XP_006724	protein_co	ENSG0000	9620	1850
CELSR2	4.53619	4.58574	5.79561	5.89855	6.15129	5.28317	cadherin EGF LAG seven-pass G-type receptor 2 [Source:HGNC Sy	chr1:10979	NM_00140	XM_00527	.	.	NP_00139	XP_005270	protein_co	ENSG0000	1952	3231
CELSR3	2.10313	1.92417	2.09334	1.16074	1.27517	1.62475	cadherin EGF LAG seven-pass G-type receptor 3 [Source:HGNC Sy	chr3:48673	NM_00140	.	NR_03995	.	NP_00139	.	protein_co	ENSG0000	10061611	3230
CEMIP	2.26376	2.64281	4.03908	7.36148	8.00867	6.54959	cell migration inducing hyaluronan binding protein [Source:HGNC	chr15:8107	NM_00129	.	.	.	NP_00128	.	protein_co	ENSG0000	57214	29213
CEMP1	0.055216	0	0.047874	0.176371	0	0	cementum protein 1 [Source:HGNC Symbol;Acc:HGNC:32553]	chr16:2525	NM_00104	.	.	.	NP_00104	.	protein_co	ENSG0000	752014	32553
CEND1	0.265341	0.204967	0.227851	0.278618	0.125251	0	cell cycle exit and neuronal differentiation 1 [Source:HGNC Symb	chr11:7871	NM_01656	.	.	.	NP_05764	.	protein_co	ENSG0000	51286	24153
CENPA	17.1731	16.9969	15.5716	30.0865	27.4674	27.9508	centromere protein A [Source:HGNC Symbol;Acc:HGNC:1851]	chr2:27008	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	1058	1851
CENPB	32.2093	32.6205	30.6991	32.2985	27.8774	23.6458	centromere protein B [Source:HGNC Symbol;Acc:HGNC:1852]	chr20:3764	NM_00181	.	.	.	NP_00180	.	protein_co	ENSG0000	1059	1852
CENPBD1	4.925	5.2193	4.08217	4.21238	4.85115	3.21261	CENPB DNA-binding domain containing 1 [Source:HGNC Symbol;A	chr16:9003	NM_14503	.	.	.	NP_65947	.	protein_co	ENSG0000	92806	28272
CENPC	3.4824	3.45783	3.34836	3.29431	4.49586	4.55936	centromere protein C [Source:HGNC Symbol;Acc:HGNC:1854]	chr4:68334	NM_00181	XM_01153	.	.	NP_00180	XP_006714	protein_co	ENSG0000	1060	1854
CENPE	4.08476	4.03119	4.65075	4.72667	8.25704	7.7427	centromere protein E [Source:HGNC Symbol;Acc:HGNC:1856]	chr4:10402	NM_00128	XM_01153	.	.	NP_00127	XP_011529	protein_co	ENSG0000	1062	1856
CENPF	25.9628	25.8487	24.5959	38.3376	46.6722	36.7311	centromere protein F [Source:HGNC Symbol;Acc:HGNC:1857]	chr1:21477	NM_01634	XM_01700	.	.	NP_05742	XP_011507	protein_co	ENSG0000	1063	1857
CENPH	10.3212	10.6018	8.83167	10.3895	10.9005	11.832	centromere protein H [Source:HGNC Symbol;Acc:HGNC:17268]	chr5:68485	NM_02290	.	.	.	NP_07506	.	protein_co	ENSG0000	64946	17268
CENPI	4.82845	3.05381	4.23541	5.12128	7.54266	5.14559	centromere protein I [Source:HGNC Symbol;Acc:HGNC:3968]	chrX:10035	NM_00673	XM_01153	.	.	NP_00130	XP_005262	protein_co	ENSG0000	2491	3968
CENPJ	6.83558	6.91166	6.15371	6.50106	7.6713	6.8	centromere protein J [Source:HGNC Symbol;Acc:HGNC:17272]	chr13:2545	NM_01845	XM_01153	.	.	NP_06092	XP_011533	protein_co	ENSG0000	55835	17272
CENPK	9.13329	7.13406	5.66242	7.29969	8.55417	6.45698	centromere protein K [Source:HGNC Symbol;Acc:HGNC:29479]	chr5:64813	NM_00126	XM_01700	.	.	NP_00125	XP_011541	protein_co	ENSG0000	64105	29479
CENPL	7.49842	5.85043	5.59503	6.34701	7.77543	6.49957	centromere protein L [Source:HGNC Symbol;Acc:HGNC:17879]	chr1:17376	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	91687	17879
CENPM	29.968	30.2327	21.8748	33.7237	28.4809	16.0139	centromere protein M [Source:HGNC Symbol;Acc:HGNC:18352]	chr22:4233	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	79019	18352
CENPN	36.2715	34.4625	29.7611	42.4191	42.7973	40.9773	centromere protein N [Source:HGNC Symbol;Acc:HGNC:30873]	chr16:8100	NM_00110	XM_00672	.	.	NP_00109	XP_006721	protein_co	ENSG0000	55839	30873
CENPO	14.2014	14.7276	10.6139	17.3099	14.6772	9.07807	centromere protein O [Source:HGNC Symbol;Acc:HGNC:28152]	chr2:25012	NM_00119	XM_00671	.	.	NP_00118	XP_006712	protein_co	ENSG0000	79172	28152
CENPP	1.94731	2.36087	2.39043	1.44761	3.36977	3.21037	centromere protein P [Source:HGNC Symbol;Acc:HGNC:32933]	chr9:95059	NM_00101	XM_01151	.	.	NP_00101	XP_011516	protein_co	ENSG0000	401541	32933
CENPQ	7.72349	7.22559	6.21562	8.21024	9.72454	10.3156	centromere protein Q [Source:HGNC Symbol;Acc:HGNC:21347]	chr6:49431	NM_01813	XM_01151	.	.	NP_06060	XP_005249	protein_co	ENSG0000	55166	21347
CENPT	15.1455	15.123	17.5838	17.6495	15.2407	10.9507	centromere protein T [Source:HGNC Symbol;Acc:HGNC:25787]	chr16:6786	NM_02508	XM_01152	.	.	NP_07935	XP_006721	protein_co	ENSG0000	80152	25787
CENPU	13.0913	12.5658	11.708	13.392	16.6231	17.3587	centromere protein U [Source:HGNC Symbol;Acc:HGNC:21348]	chr4:18557	NM_02462	XM_00526	.	.	NP_07890	XP_005263	protein_co	ENSG0000	79682	21348
CENPV	29.1958	24.1791	30.2156	40.2004	33.0186	34.5411	centromere protein V [Source:HGNC Symbol;Acc:HGNC:29920]	chr17:1612	NM_18171	.	.	.	NP_85906	.	protein_co	ENSG0000	201161	29920
CENPVP1	0	0	0	0	0	0	centromere protein V like 1 [Source:HGNC Symbol;Acc:HGNC:318	chrX:51453	.	.	.	.	.	.	protein_co	ENSG0000	.	31851
CENPVP3	0	0	0	0	0	0	centromere protein V like 3 [Source:HGNC Symbol;Acc:HGNC:438	chrX:51360	.	.	.	.	.	.	protein_co	ENSG0000	.	43880
CENPW	38.3226	36.3784	25.7504	57.3963	47.8296	41.2036	centromere protein W [Source:HGNC Symbol;Acc:HGNC:21488]	chr6:12666	NM_00101	.	.	.	NP_00101	XP_016866	protein_co	ENSG0000	387103	21488
CEP104	6.66634	8.09751	7.48539	6.13761	6.09045	5.89685	centrosomal protein 104 [Source:HGNC Symbol;Acc:HGNC:24866	chr1:37286	NM_01470	XM_01154	.	.	NP_05551	XP_005244	protein_co	ENSG0000	9731	24866
CEP112	1.80661	2.06066	2.7751	1.80341	2.22925	2.70388	centrosomal protein 112 [Source:HGNC Symbol;Acc:HGNC:28514	chr17:6363	NM_00103	XM_01152	.	.	NP_00103	XP_005257	protein_co	ENSG0000	201134	28514
CEP120	7.3711	7.56884	7.10818	6.52675	7.39567	12.2978	centrosomal protein 120 [Source:HGNC Symbol;Acc:HGNC:26690	chr5:12268	NM_00116	XM_01154	.	.	NP_00115	XP_005271	protein_co	ENSG0000	153241	26690
CEP126	0.826702	0.710084	0.910713	0.792992	0.982287	0.823871	centrosomal protein 126 [Source:HGNC Symbol;Acc:HGNC:29264	chr11:1017	NM_02080	.	.	.	NP_06585	XP_005271	protein_co	ENSG0000	57562	29264
CEP128	1.9107	2.23336	1.50064	2.25029	2.19235	2.33132	centrosomal protein 128 [Source:HGNC Symbol;Acc:HGNC:20359	chr14:8096	NM_15244	XM_01153	.	.	NP_68965	XP_006720	protein_co	ENSG0000	145508	20359
CEP131	8.92289	8.70722	9.63071	9.61169	9.24349	7.50638	centrosomal protein 131 [Source:HGNC Symbol;Acc:HGNC:29511	chr17:7916	NM_00100	XM_01702	.	.	NP_00100	XP_011522	protein_co	ENSG0000	22994	29511
CEP135	2.97988	3.13239	2.4643	2.25102	2.9791	3.38416	centrosomal protein 135 [Source:HGNC Symbol;Acc:HGNC:29086	chr4:56815	NM_02500	XM_00671	.	.	NP_07928	XP_005265	protein_co	ENSG0000	9662	29086
CEP152	5.35605	5.4946	4.95658	4.38079	4.66089	4.81704	centrosomal protein 152 [Source:HGNC Symbol;Acc:HGNC:29298	chr15:4903	NM_00119	XM_01152	.	.	NP_00118	XP_006720	protein_co	ENSG0000	22995	29298
CEP162	1.44244	1.28568	1.59158	0.997747	1.98028	1.10618	centrosomal protein 162 [Source:HGNC Symbol;Acc:HGNC:21107	chr6:84833	NM_00128	XM_01701	.	.	NP_00127	XP_005248	protein_co	ENSG0000	22832	21107
CEP164	3.77776	3.32113	3.35895	3.05221	3.09254	2.77805	centrosomal protein 164 [Source:HGNC Symbol;Acc:HGNC:29182	chr11:1171	NM_00127	XM_01154	.	.	NP_00125	XP_005271	protein_co	ENSG0000	22897	29182
CEP170	8.72638	9.21708	11.2625	10.4942	9.82063	13.0398	centrosomal protein 170 [Source:HGNC Symbol;Acc:HGNC:28920	chr1:24328	NM_00104	XM_01700	.	.	NP_00103	XP_006711	protein_co	ENSG0000	645455	28920
CEP170B	21.8916	23.8964	21.7621	21.2685	21.218	16.3335	centrosomal protein 170B [Source:HGNC Symbol;Acc:HGNC:2036	chr14:1053	NM_00111	XM_01153	.	.	NP_00110	XP_005267	protein_co	ENSG0000	283638	20362
CEP19	2.8618	2.62775	4.09	2.69709	2.71438	3.01623	centrosomal protein 19 [Source:HGNC Symbol;Acc:HGNC:28209]	chr3:19643	NM_03289	XM_01151	.	.	NP_11628	XP_005269	protein_co	ENSG0000	84984	28209
CEP192	9.04394	8.69701	8.20957	8.87452	11.2032	9.22455	centrosomal protein 192 [Source:HGNC Symbol;Acc:HGNC:25515	chr18:1299	NM_03214	XM_01152	.	.	NP_11551	XP_005258	protein_co	ENSG0000	55125	25515
CEP250	3.68568	3.69114	3.86904	2.94651	3.11276	2.51731	centrosomal protein 250 [Source:HGNC Symbol;Acc:HGNC:1859]	chr20:3404	NM_00718	XM_01152	.	.	NP_00911	XP_005260	protein_co	ENSG0000	11190	1859
CEP290	2.93395	2.84374	3.23297	1.38093	2.04728	2.07948	centrosomal protein 290 [Source:HGNC Symbol;Acc:HGNC:29021	chr12:8842	NM_02511	XM_01701	.	.	NP_07939	XP_011537	protein_co	ENSG0000	80184	29021
CEP295	5.72964	5.07313	6.03449	4.2074	6.63271	6.77835	centrosomal protein 295 [Source:HGNC Symbol;Acc:HGNC:29366	chr11:9339	NM_03339	XM_01701	.	.	NP_20375	XP_005274	protein_co	ENSG0000	85459	29366
CEP295NL	0	0.060418	0.052834	0.032717	0.031962	0.097346	CEP295 N-terminal like [Source:HGNC Symbol;Acc:HGNC:44659]	chr17:7684	NM_00124	XM_01152	.	.	NP_00123	XP_011522	protein_co	ENSG0000	100653515	44659
CEP350	4.27965	4.56676	4.44653	3.87121	4.92767	5.44959	centrosomal protein 350 [Source:HGNC Symbol;Acc:HGNC:24238	chr1:17992	NM_01481	XM_01151	.	.	NP_05562	XP_011508	protein_co	ENSG0000	9857	24238
CEP41	3.27871	3.81165	3.01666	2.6378	3.5386	3.09451	centrosomal protein 41 [Source:HGNC Symbol;Acc:HGNC:12370]	chr7:13003	NM_00125	XM_01151	.	.	NP_00124	XP_011515	protein_co	ENSG0000	95681	12370
CEP44	3.72262	3.48066	3.61947	2.7503	3.58672	4.40335	centrosomal protein 44 [Source:HGNC Symbol;Acc:HGNC:29356]	chr4:17515	NM_00104	XM_01700	.	.	NP_00103	XP_011530	protein_co	ENSG0000	80817	29356
CEP55	34.2253	33.9766	32.22	46.823	51.0035	39.0405	centrosomal protein 55 [Source:HGNC Symbol;Acc:HGNC:1161]	chr10:9525	NM_00112	XM_01153	.	.	NP_00112	XP_011538	protein_co	ENSG0000	55165	1161
CEP57	13.7861	12.3254	12.9825	10.7914	14.4564	17.1924	centrosomal protein 57 [Source:HGNC Symbol;Acc:HGNC:30794]	chr11:9552	NM_00124	XM_00671	.	.	NP_00123	XP_006719	protein_co	ENSG0000	9702	30794
CEP57L1	4.44048	5.11665	6.00055	5.21539	7.80109	7.95131	centrosomal protein 57 like 1 [Source:HGNC Symbol;Acc:HGNC:2	chr6:10941	NM_00108	XM_01153	.	.	NP_00107	XP_005266	protein_co	ENSG0000	285753	21561

CEP63	6.4495	6.28071	5.97681	5.39552	5.6792	5.62752	centrosomal protein 63 [Source:HGNC Symbol;Acc:HGNC:25815]	chr3:13419	NM_00104	XM_01700	.	.	NP_00103	XP_005247	protein_co	ENSG00000	80254	25815
CEP68	5.85631	6.02276	7.99673	7.21572	7.37632	8.02154	centrosomal protein 68 [Source:HGNC Symbol;Acc:HGNC:29076]	chr2:65283	NM_00131	XM_00526	.	.	NP_00130	XP_005264	protein_co	ENSG00000	23177	29076
CEP70	11.2794	10.3233	12.8416	11.3276	16.891	16.6804	centrosomal protein 70 [Source:HGNC Symbol;Acc:HGNC:29972]	chr3:13821	NM_00128	XM_01151	.	.	NP_00127	XP_005247	protein_co	ENSG00000	80321	29972
CEP72	5.32924	5.49316	5.08547	7.91119	7.15786	5.69635	centrosomal protein 72 [Source:HGNC Symbol;Acc:HGNC:25547]	chr5:61238	NM_01814	XM_01151	.	.	NP_06061	XP_005248	protein_co	ENSG00000	55722	25547
CEP76	6.34744	6.35901	5.52571	6.95916	6.89882	7.15958	centrosomal protein 76 [Source:HGNC Symbol;Acc:HGNC:25727]	chr18:1265	NM_00127	XM_00525	.	.	NP_00125	XP_005258	protein_co	ENSG00000	79959	25727
CEP78	16.9015	17.2596	15.679	18.7172	19.372	14.9647	centrosomal protein 78 [Source:HGNC Symbol;Acc:HGNC:25740]	chr9:80850	NM_00109	XM_01701	.	.	NP_00109	XP_005252	protein_co	ENSG00000	84131	25740
CEP83	5.39062	4.8764	5.79977	5.07773	5.3728	5.50512	centrosomal protein 83 [Source:HGNC Symbol;Acc:HGNC:17966]	chr12:9470	NM_00104	XM_01153	.	.	NP_00103	XP_006719	protein_co	ENSG00000	51134	17966
CEP85	15.7558	16.3487	15.8397	19.7253	20.3686	19.7743	centrosomal protein 85 [Source:HGNC Symbol;Acc:HGNC:25309]	chr1:26560	NM_00128	XM_00524	.	.	NP_00126	.	protein_co	ENSG00000	64793	25309
CEP85L	1.6742	1.51071	1.38586	1.38068	1.21627	1.74399	centrosomal protein 85 like [Source:HGNC Symbol;Acc:HGNC:216	chr6:11878	NM_00104	XM_01701	.	.	NP_00103	XP_005267	protein_co	ENSG00000	387119	21638
CEP89	6.51726	6.54256	6.08306	5.4814	5.01151	4.46529	centrosomal protein 89 [Source:HGNC Symbol;Acc:HGNC:25907]	chr19:3336	NM_03281	XM_00525	.	.	NP_11620	XP_005259	protein_co	ENSG00000	84902	25907
CEP95	24.1838	26.2734	23.057	22.595	22.9495	22.7366	centrosomal protein 95 [Source:HGNC Symbol;Acc:HGNC:25141]	chr17:6250	NM_13836	XM_00672	.	.	NP_61237	XP_005257	protein_co	ENSG00000	90799	25141
CEP97	3.94601	4.44429	4.19334	4.65663	5.72877	7.21663	centrosomal protein 97 [Source:HGNC Symbol;Acc:HGNC:26244]	chr3:10144	NM_00130	XM_01151	.	.	NP_00129	XP_006713	protein_co	ENSG00000	79598	26244
CEPT1	15.1197	16.8595	17.6567	16.4343	18.0233	18.7872	choline/ethanolamine phosphotransferase 1 [Source:HGNC Symb	chr1:11165	NM_00100	XM_01154	.	.	NP_00100	XP_006710	protein_co	ENSG00000	10390	24289
CER1	0	0	0	0	0	0	cerberus 1, DAN family BMP antagonist [Source:HGNC Symbol;Ac	chr9:14719	NM_00545	.	.	.	NP_00544	.	protein_co	ENSG00000	9350	1862
CERCAM	15.632	14.3121	16.5955	13.1888	15.0541	11.3531	cerebral endothelial cell adhesion molecule [Source:HGNC Symbo	chr9:13117	NM_00128	XM_01151	.	.	NP_00127	XP_005252	protein_co	ENSG00000	51148	23723
CERK	29.495	31.768	28.543	30.0705	28.7844	23.3698	ceramide kinase [Source:HGNC Symbol;Acc:HGNC:19256]	chr22:4708	NM_02276	XM_01702	.	.	NP_07360	XP_016884	protein_co	ENSG00000	64781	19256
CERKL	0.205671	0.285997	0.185264	0.220281	0.270313	0.415534	ceramide kinase like [Source:HGNC Symbol;Acc:HGNC:21699]	chr2:18240	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG00000	375298	21699
CERS1	0.210754	0.091756	0.292465	0.213886	0.049424	0.18982	ceramide synthase 1 [Source:HGNC Symbol;Acc:HGNC:14253]	chr19:1897	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG00000	10715	14253
CERS2	117.449	109.389	100.639	118.005	114.392	111.481	ceramide synthase 2 [Source:HGNC Symbol;Acc:HGNC:14076]	chr1:15089	NM_02207	XM_01150	.	.	NP_07135	XP_005245	protein_co	ENSG00000	29956	14076
CERS3	0	0	0	0.023165	0.049232	0.045363	ceramide synthase 3 [Source:HGNC Symbol;Acc:HGNC:23752]	chr15:1009	NM_00129	XM_01702	.	.	NP_00127	XP_011519	protein_co	ENSG00000	204219	23752
CERS4	17.6316	16.278	16.2391	17.4216	14.6409	16.9759	ceramide synthase 4 [Source:HGNC Symbol;Acc:HGNC:23747]	chr19:8274	NM_02455	XM_01152	.	.	NP_07882	XP_006722	protein_co	ENSG00000	79603	23747
CERS5	22.2195	20.3431	22.0056	20.7792	18.4175	21.0525	ceramide synthase 5 [Source:HGNC Symbol;Acc:HGNC:23749]	chr12:5052	NM_00128	XM_01153	.	.	NP_00126	XP_005269	protein_co	ENSG00000	91012	23749
CERS6	19.0573	18.6423	19.8484	17.5107	21.8886	23.5807	ceramide synthase 6 [Source:HGNC Symbol;Acc:HGNC:23826]	chr2:16931	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG00000	253782	23826
CES1	0	0	0	0.034838	0	0	carboxylesterase 1 [Source:HGNC Symbol;Acc:HGNC:1863]	chr16:5558	NM_00102	XM_00525	.	.	NP_00102	XP_005255	protein_co	ENSG00000	1066	1863
CES2	12.9128	13.7615	15.0034	12.2755	12.3788	10.6238	carboxylesterase 2 [Source:HGNC Symbol;Acc:HGNC:1864]	chr16:6696	NM_00386	XM_01152	.	.	NP_00386	XP_011521	protein_co	ENSG00000	8824	1864
CES3	1.95325	2.5055	2.85771	1.55256	1.39159	1.6987	carboxylesterase 3 [Source:HGNC Symbol;Acc:HGNC:1865]	chr16:6699	NM_00118	XM_01152	.	.	NP_00117	XP_011521	protein_co	ENSG00000	23491	1865
CES4A	0.044741	0	0.060189	0	0	0.095457	carboxylesterase 4A [Source:HGNC Symbol;Acc:HGNC:26741]	chr16:6702	NM_00119	XM_01152	.	.	NP_00117	XP_005255	protein_co	ENSG00000	283848	26741
CES5A	0	0	0	0	0	0	carboxylesterase 5A [Source:HGNC Symbol;Acc:HGNC:26459]	chr16:5558	NM_00114	.	.	.	.	.	protein_co	ENSG00000	221223	26459
CETN1	0	0	0	0	0	0	centrin 1 [Source:HGNC Symbol;Acc:HGNC:1866]	chr18:5803	NM_00406	.	.	.	NP_00405	.	protein_co	ENSG00000	1068	1866
CETN2	29.8325	23.1562	27.3628	25.1684	26.7969	25.3194	centrin 2 [Source:HGNC Symbol;Acc:HGNC:1867]	chrX:15199	NM_00434	.	.	.	NP_00433	.	protein_co	ENSG00000	1069	1867
CETN3	26.5897	23.698	25.0873	31.0193	38.4886	37.3072	centrin 3 [Source:HGNC Symbol;Acc:HGNC:1868]	chr5:89688	NM_00129	.	.	.	NP_00128	.	protein_co	ENSG00000	1070	1868
CETP	0	0	0	0	0	0	cholesteryl ester transfer protein [Source:HGNC Symbol;Acc:HGN	chr16:5699	NM_00007	.	.	.	NP_00006	.	protein_co	ENSG00000	1071	1869
CFAP100	0	0	0.024956	0	0.032839	0.031106	cilia and flagella associated protein 100 [Source:HGNC Symbol;Ac	chr3:12611	NM_18262	XM_00671	.	.	NP_87243	XP_005247	protein_co	ENSG00000	348807	26842
CFAP126	0	0	0	0.112461	0	0.106396	cilia and flagella associated protein 126 [Source:HGNC Symbol;Ac	chr1:16128	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG00000	257177	32325
CFAP157	0	0	0.02651	0.033985	0	0.035193	cilia and flagella associated protein 157 [Source:HGNC Symbol;Ac	chr9:13046	NM_00101	XM_00671	.	.	NP_00101	XP_006717	protein_co	ENSG00000	286207	27843
CFAP161	0.443313	0.232774	0.076968	0.44741	0.248209	0.089511	cilia and flagella associated protein 161 [Source:HGNC Symbol;Ac	chr15:8142	NM_17352	XM_00672	.	.	NP_77579	XP_006720	protein_co	ENSG00000	161502	26782
CFAP20	52.4826	50.0256	41.5833	59.6371	48.2488	48.2365	cilia and flagella associated protein 20 [Source:HGNC Symbol;Acc	chr16:5814	NM_01324	.	.	.	NP_03737	.	protein_co	ENSG00000	29105	29523
CFAP206	0.253447	0.101411	0.137975	0.359681	0.105504	0.468007	cilia and flagella associated protein 206 [Source:HGNC Symbol;Ac	chr6:88117	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG00000	154313	21405
CFAP221	0.146015	0.077127	0.084473	0.110906	0.108666	0.14559	cilia and flagella associated protein 221 [Source:HGNC Symbol;Ac	chr2:12030	NM_00127	XM_01151	.	.	NP_00125	XP_006712	protein_co	ENSG00000	200373	33720
CFAP36	24.4194	22.454	24.6888	33.313	28.9195	24.3885	cilia and flagella associated protein 36 [Source:HGNC Symbol;Acc	chr2:55746	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG00000	112942	30540
CFAP43	2.20188	1.52656	1.28174	1.25961	1.14323	1.65804	cilia and flagella associated protein 43 [Source:HGNC Symbol;Acc	chr10:1058	NM_02514	XM_01701	.	.	NP_07942	XP_005270	protein_co	ENSG00000	80217	26684
CFAP44	1.0909	0.945011	1.12193	0.609485	1.0265	0.673334	cilia and flagella associated protein 44 [Source:HGNC Symbol;Acc	chr3:11308	NM_01833	XM_01151	.	.	NP_06080	XP_005247	protein_co	ENSG00000	55779	25631
CFAP45	0.413454	0.468145	0.268321	0.388436	0.372996	0.298397	cilia and flagella associated protein 45 [Source:HGNC Symbol;Acc	chr1:15984	NM_01233	.	.	.	NP_03646	.	protein_co	ENSG00000	25790	17229
CFAP46	0.625462	0.230542	0.50678	0.348202	0.470606	0.33415	cilia and flagella associated protein 46 [Source:HGNC Symbol;Acc	chr10:1346	NM_00120	XM_01153	.	.	NP_00118	.	protein_co	ENSG00000	54777	25247
CFAP47	0	0	0	0	0	0	cilia and flagella associated protein 47 [Source:HGNC Symbol;Acc	chrX:35937	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG00000	286464	26708
CFAP52	0.065021	0.033483	0.158568	0.036027	0.037179	0.100737	cilia and flagella associated protein 52 [Source:HGNC Symbol;Acc	chr17:9479	NM_00108	XM_01702	.	.	NP_00107	XP_016879	protein_co	ENSG00000	146845	16053
CFAP53	0.802277	0.750474	0.966257	0.746304	0.880229	0.770341	cilia and flagella associated protein 53 [Source:HGNC Symbol;Acc	chr18:4775	NM_14502	.	.	.	NP_65945	.	protein_co	ENSG00000	220136	26530
CFAP54	0	0.008313	0.033393	0.026545	0.025281	0.022163	cilia and flagella associated protein 54 [Source:HGNC Symbol;Acc	chr12:9688	NM_00130	XM_01153	.	.	NP_00129	XP_011537	protein_co	ENSG00000	144535	26456
CFAP57	0.265805	0.165829	0.207551	0.378106	0.330835	0.282734	cilia and flagella associated protein 57 [Source:HGNC Symbol;Acc	chr1:43629	NM_00116	XM_01700	.	.	NP_00116	XP_005270	protein_co	ENSG00000	149465	26485
CFAP58	0.273701	0.238547	0.2408	0.600312	0.193674	0.402441	cilia and flagella associated protein 58 [Source:HGNC Symbol;Acc	chr10:1061	NM_00100	XM_01153	.	.	NP_00100	XP_011537	protein_co	ENSG00000	159686	26676
CFAP61	0.107416	0.05608	0.078504	0.259335	0.164198	0.018338	cilia and flagella associated protein 61 [Source:HGNC Symbol;Acc	chr20:2001	NM_00116	XM_01152	.	.	NP_00116	XP_005260	protein_co	ENSG00000	26074	15872
CFAP65	0.280185	0.065412	0.123419	0.24144	0.09387	0.114746	cilia and flagella associated protein 65 [Source:HGNC Symbol;Acc	chr2:21986	NM_00127	XM_01151	.	.	NP_00126	XP_011509	protein_co	ENSG00000	255101	25325
CFAP69	0.716998	0.472526	1.04638	0.264033	0.438897	0.625943	cilia and flagella associated protein 69 [Source:HGNC Symbol;Acc	chr7:89874	NM_00103	XM_01701	.	.	NP_00103	XP_011514	protein_co	ENSG00000	79846	26107
CFAP70	1.51022	1.40475	1.24489	0.970236	0.946398	0.804981	cilia and flagella associated protein 70 [Source:HGNC Symbol;Acc	chr10:7501	NM_14517	XM_01153	.	.	NP_66015	XP_005269	protein_co	ENSG00000	118491	30726
CFAP73	0	0.213897	0.126739	0.078604	0.177523	0.085255	cilia and flagella associated protein 73 [Source:HGNC Symbol;Acc	chr12:1135	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG00000	387885	37100
CFAP74	0.310449	0.283441	0.414387	0.244022	0.207277	0.341472	cilia and flagella associated protein 74 [Source:HGNC Symbol;Acc	chr1:18533	NM_00130	XM_01154	.	.	NP_00129	XP_011540	protein_co	ENSG00000	85452	29368
CFAP77	0.652889	0.493285	0.703042	0.722266	0.79011	0.468771	cilia and flagella associated protein 77 [Source:HGNC Symbol;Acc	chr9:13528	NM_00128	XM_01151	.	.	NP_00126	XP_011516	protein_co	ENSG00000	389799	33776
CFAP97	22.0789	21.7335	26.0917	21.1196	28.4656	30.9808	cilia and flagella associated protein 97 [Source:HGNC Symbol;Acc	chr4:18608	NM_00129	XM_01700	.	.	NP_00127	XP_005263	protein_co	ENSG00000	57587	29276
CFAP99	0.074721	0.09727	0.260159	0.079712	0.075973	0.16779	cilia and flagella associated protein 99 [Source:HGNC Symbol;Acc	chr4:24207	NM_00119	XM_01151	.	.	NP_00118	XP_011511	protein_co	ENSG00000	402160	51180

CFB	5.37945	5.71255	0.5884	1.49775	1.63402	1.16054	complement factor B [Source:HGNC Symbol;Acc:HGNC:1037]	chr6:31865	NM_00171	.	.	.	NP_00170	.	protein_co	ENSG0000	629	1037
CFC1	0	0	0	0	0	0	cripto, FRL-1, cryptic family 1 [Source:HGNC Symbol;Acc:HGNC:18	chr2:13134	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	55997	18292
CFC1B	0	0	0	0	0	0	cripto, FRL-1, cryptic family 1B [Source:HGNC Symbol;Acc:HGNC:3	chr2:13127	NM_00107	XM_00526	.	.	NP_00107	XP_005263	protein_co	ENSG0000	653275	33983
CFD	61.361	55.8513	55.7574	69.2995	44.1628	45.0294	complement factor D [Source:HGNC Symbol;Acc:HGNC:2771]	chr19:8596	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	1675	2771
CFDP1	28.0476	23.9465	23.1374	25.6606	23.1535	25.331	craniofacial development protein 1 [Source:HGNC Symbol;Acc:HG	chr16:7532	NM_00632	.	.	.	NP_00631	.	protein_co	ENSG0000	10428	1873
CFH	0	0.016192	0.133075	0	0.033655	0.044223	complement factor H [Source:HGNC Symbol;Acc:HGNC:4883]	chr1:19662	NM_00018	.	.	.	NP_00017	XP_016856	protein_co	ENSG0000	3075	4883
CFHR1	0.66057	0.175028	0.240837	0.310187	0.244102	0.430188	complement factor H related 1 [Source:HGNC Symbol;Acc:HGNC:	chr1:19678	NM_00211	XM_01150	.	.	NP_00210	XP_011507	protein_co	ENSG0000	3078	4888
CFHR2	0	0	0	0	0	0	complement factor H related 2 [Source:HGNC Symbol;Acc:HGNC:	chr1:19678	NM_00566	XM_01150	.	.	NP_00565	XP_011507	protein_co	ENSG0000	3080	4890
CFHR3	0	0	0	0	0	0	complement factor H related 3 [Source:HGNC Symbol;Acc:HGNC:	chr1:19674	NM_00116	XM_01150	.	.	NP_00116	XP_011507	protein_co	ENSG0000	10878	16980
CFHR4	0	0	0	0	0	0	complement factor H related 4 [Source:HGNC Symbol;Acc:HGNC:	chr1:19678	NM_00120	XM_00671	.	.	NP_00118	XP_006711	protein_co	ENSG0000	10877	16979
CFHR5	0	0	0	0	0	0	complement factor H related 5 [Source:HGNC Symbol;Acc:HGNC:	chr1:19694	NM_03078	XM_01151	.	.	NP_11041	XP_011508	protein_co	ENSG0000	81494	24668
CFI	0.208738	0.143862	0.515302	0	0.061648	0.14269	complement factor I [Source:HGNC Symbol;Acc:HGNC:5394]	chr4:11066	NM_00020	XM_01153	.	.	NP_00019	XP_005263	protein_co	ENSG0000	3426	5394
CFL1	869.279	842.677	826.785	1088.08	930.103	877.781	cofilin 1 [Source:HGNC Symbol;Acc:HGNC:1874]	chr11:6562	NM_00550	.	.	.	NP_00549	.	protein_co	ENSG0000	1072	1874
CFL2	19.9124	19.4355	25.017	22.0576	27.4751	32.4054	cofilin 2 [Source:HGNC Symbol;Acc:HGNC:1875]	chr14:3517	NM_00124	XM_01153	.	.	NP_00123	XP_011534	protein_co	ENSG0000	1073	1875
CFLAR	10.3342	10.0815	10.362	7.82253	6.70967	7.04053	CASP8 and FADD like apoptosis regulator [Source:HGNC Symbol;A	chr2:20198	NM_00112	XM_01151	.	.	NP_00112	XP_005246	protein_co	ENSG0000	8837	1876
CFP	0.314446	0.230194	0.134982	0.222382	0.136988	0.308089	complement factor properdin [Source:HGNC Symbol;Acc:HGNC:8	chrX:47483	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	5199	8864
CFTR	0.011705	0.01251	0.010201	0	0	0.011466	cystic fibrosis transmembrane conductance regulator [Source:HG	chr7:11712	NM_00049	XM_01151	.	.	NP_00048	XP_011514	protein_co	ENSG0000	1080	1884
CGA	0.153521	0	0	0	0	0	glycoprotein hormones, alpha polypeptide [Source:HGNC Symbol	chr6:87795	NM_00073	.	.	.	NP_00072	.	protein_co	ENSG0000	1081	1885
CGB1	0	0	0	0	0	0	chorionic gonadotropin beta subunit 1 [Source:HGNC Symbol;Acc	chr19:4952	NM_03337	.	.	.	NP_20369	.	protein_co	ENSG0000	114335	16721
CGB2	1.03264	2.0226	1.74692	0.442557	0.966572	1.14362	chorionic gonadotropin beta subunit 2 [Source:HGNC Symbol;Acc	chr19:4952	NM_00131	XM_00525	.	.	NP_00130	.	protein_co	ENSG0000	114336	16722
CGB3	0	0	0	0	0	0	chorionic gonadotropin beta subunit 3 [Source:HGNC Symbol;Acc	chr19:4952	NM_00073	.	.	.	NP_00072	.	protein_co	ENSG0000	1082	1886
CGB5	0.127118	0.248698	0	0.272039	0.295721	0.14133	chorionic gonadotropin beta subunit 5 [Source:HGNC Symbol;Acc	chr19:4954	NM_03304	.	.	.	NP_14903	.	protein_co	ENSG0000	93659	16452
CGB7	0.640876	0.861228	1.29656	0.954554	0.503438	1.41619	chorionic gonadotropin beta subunit 7 [Source:HGNC Symbol;Acc	chr19:4955	NM_03314	XM_01152	.	.	NP_14913	XP_011525	protein_co	ENSG0000	94027	16451
CGB8	0	0.114845	0.09998	0.376991	0	0	chorionic gonadotropin beta subunit 8 [Source:HGNC Symbol;Acc	chr19:4955	NM_03318	.	.	.	NP_14943	.	protein_co	ENSG0000	94115	16453
CGGBP1	24.096	25.6161	24.0444	24.5583	21.6231	29.9523	CGG triplet repeat binding protein 1 [Source:HGNC Symbol;Acc:H	chr3:88101	NM_00100	XM_01700	.	.	NP_00100	XP_011532	protein_co	ENSG0000	8545	1888
CGN	6.05877	6.866	6.64468	3.59841	3.66424	3.38792	cingulin [Source:HGNC Symbol;Acc:HGNC:17429]	chr1:15148	NM_02077	XM_00524	.	.	NP_06582	XP_005245	protein_co	ENSG0000	57530	17429
CGNL1	1.09564	1.00428	1.14	1.43281	1.45377	1.4359	cingulin like 1 [Source:HGNC Symbol;Acc:HGNC:25931]	chr15:5766	NM_00125	XM_01702	.	.	NP_00123	XP_005254	protein_co	ENSG0000	84952	25931
CGREF1	2.87511	2.17757	3.45963	2.47773	3.10131	1.63365	cell growth regulator with EF-hand domain 1 [Source:HGNC Symb	chr2:27309	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	10669	16962
CGRRF1	6.48175	5.43863	4.54426	7.23012	5.89665	6.63983	cell growth regulator with ring finger domain 1 [Source:HGNC Syr	chr14:5497	NM_00656	.	.	.	NP_00655	.	protein_co	ENSG0000	10668	15528
CH17-140K24.5	0	0	0	0	0	0	.	chr5:14056	.	.	.	.	.	.	protein_co	ENSG0000	.	.
CH17-140K24.8	4.77E-05	0.138794	0	0.220475	0	0	.	chr5:14060	.	.	.	.	.	.	protein_co	ENSG0000	.	.
CH17-270A2.2	3.68E-25	8.25E-21	6.45E-14	7.01E-16	6.31E-17	3.31E-14	.	chr1:14545	.	.	.	.	.	.	protein_co	ENSG0000	.	.
CH17-296N19.1	0	0	0	0	0	0	.	chr9:43684	.	XM_01154	.	.	.	XP_011543	protein_co	ENSG0000	100289279	.
CH25H	0	0	0	0	0	0	cholesterol 25-hydroxylase [Source:HGNC Symbol;Acc:HGNC:190	chr10:9096	NM_00395	.	.	.	NP_00394	.	protein_co	ENSG0000	9023	1907
CH507-152C13.3	0	0	0	0	0	0	Homo sapiens alpha-crystallin A chain (LOC102724652), transcrip	chr21:4458	NM_00131	XM_00672	.	.	NP_00130	XP_006723	protein_co	ENSG0000	102724652	.
CH507-42P11.8	4.8457	2.57216	0.954632	6.53488	6.63995	1.97742	Homo sapiens serine/threonine-protein kinase SIK1 (LOC1027244	chr21:4483	NM_00132	XM_00672	.	.	NP_00130	XP_006723	protein_co	ENSG0000	102724428	.
CH507-9B2.1	0.000128	8.64E-10	0.231581	8.67E-07	2.35E-08	0.203537	.	chr21:4564	.	XM_00672	.	.	.	XP_006723	protein_co	ENSG0000	23308, 102	.
CH507-9B2.2	0	0	0	0	0	0	.	chr21:4566	.	.	.	.	.	.	protein_co	ENSG0000	.	.
CH507-9B2.3	28.6376	7.04247	19.7774	20.1228	0.243384	10.385	.	chr21:4552	.	XM_01702	.	.	.	XP_006723	protein_co	ENSG0000	8209, 1027	.
CH507-9B2.4	1.13E-58	0.892513	5.8E-51	0.976115	3.53E-59	9.68E-39	.	chr21:4552	.	.	.	.	.	.	protein_co	ENSG0000	.	.
CH507-9B2.5	31.8955	32.9435	31.7315	40.7237	36.869	26.5978	.	chr21:4552	.	XM_00672	.	.	.	XP_006723	protein_co	ENSG0000	102724159	.
CH507-9B2.9	0.156189	0.000158	1.64E-05	0.000536	0.000238	0.000274	.	chr21:4543	.	.	.	.	.	XP_011544	protein_co	ENSG0000	102724200	.
CHAC1	20.2576	19.0494	3.34114	7.5908	5.97333	69.6978	ChaC glutathione specific gamma-glutamylcyclotransferase 1 [Sou	chr15:4124	NM_00114	.	.	.	NP_00113	XP_016878	protein_co	ENSG0000	79094	28680
CHAC2	8.54509	6.93691	5.64573	8.77718	10.8266	8.05161	ChaC cation transport regulator homolog 2 [Source:HGNC Symbo	chr2:53897	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	494143	32363
CHAD	0.04696	0.046394	0.040344	0	0	0	chondroadherin [Source:HGNC Symbol;Acc:HGNC:1909]	chr17:4850	NM_00126	XM_01152	.	.	NP_00125	XP_011522	protein_co	ENSG0000	1101	1909
CHADL	0.048142	0	0.122127	0	0.057218	0	chondroadherin like [Source:HGNC Symbol;Acc:HGNC:25165]	chr22:4160	NM_13848	.	.	.	NP_61249	XP_005261	protein_co	ENSG0000	150356	25165
CHAF1A	23.7911	23.4864	21.4049	24.3841	23.4799	19.6126	chromatin assembly factor 1 subunit A [Source:HGNC Symbol;Acc	chr19:4402	NM_00548	XM_01152	.	.	NP_00547	XP_011525	protein_co	ENSG0000	10036	1910
CHAF1B	13.4923	14.2246	12.258	16.7479	12.6681	11.446	chromatin assembly factor 1 subunit B [Source:HGNC Symbol;Acc	chr21:3775	NM_00544	XM_01152	.	.	NP_00543	XP_011528	protein_co	ENSG0000	8208	1911
CHAMP1	20.8555	22.4485	21.6937	23.5848	26.2378	21.7524	chromosome alignment maintaining phosphoprotein 1 [Source:H	chr13:1150	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	283489	20311
CHAT	0.037411	0	0	0	0	0	choline O-acetyltransferase [Source:HGNC Symbol;Acc:HGNC:191	chr10:5081	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	1103	1912
CHCHD1	66.2931	62.3957	64.2566	79.8248	70.2374	57.2549	coiled-coil-helix-coiled-coil-helix domain containing 1 [Source:HG	chr10:7554	NM_20329	.	.	.	NP_97604	.	protein_co	ENSG0000	118487	23518
CHCHD10	289.948	263.33	247.519	339.995	266.312	197.362	coiled-coil-helix-coiled-coil-helix domain containing 10 [Source:H	chr22:2410	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	400916	15559
CHCHD2	444.099	427.674	399.181	566.334	437.137	430.073	coiled-coil-helix-coiled-coil-helix domain containing 2 [Source:HG	chr7:56169	NM_00132	.	.	.	NP_00130	.	protein_co	ENSG0000	51142	21645
CHCHD3	41.5726	43.5479	37.6826	49.6349	44.0251	39.7818	coiled-coil-helix-coiled-coil-helix domain containing 3 [Source:HG	chr7:13246	NM_00131	XM_01151	.	.	NP_00130	.	protein_co	ENSG0000	54927	21906
CHCHD4	23.2545	19.4913	17.1085	22.7098	20.7789	17.3745	coiled-coil-helix-coiled-coil-helix domain containing 4 [Source:HG	chr3:14153	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	131474	26467
CHCHD5	39.87	41.3611	32.4635	49.6431	34.0911	29.1381	coiled-coil-helix-coiled-coil-helix domain containing 5 [Source:HG	chr2:11334	NM_03230	XM_00526	.	.	NP_11568	XP_005263	protein_co	ENSG0000	84269	17840
CHCHD6	18.2032	21.6711	22.2335	20.4846	17.0305	16.123	coiled-coil-helix-coiled-coil-helix domain containing 6 [Source:HG	chr3:12642	NM_00132	XM_01151	.	.	NP_00130	XP_011511	protein_co	ENSG0000	84303	28184
CHCHD7	19.0337	21.0521	18.336	17.7742	17.9494	16.5285	coiled-coil-helix-coiled-coil-helix domain containing 7 [Source:HG	chr8:57124	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	79145	28314
CHD1	11.92	11.939	11.578	7.44553	9.95133	9.43056	chromodomain helicase DNA binding protein 1 [Source:HGNC Syr	chr5:98189	NM_00127	XM_01154	.	.	NP_00126	XP_005271	protein_co	ENSG0000	1105	1915

CHD1L	24.5467	24.8547	25.8086	24.7463	23.751	22.0165	chromodomain helicase DNA binding protein 1 like [Source:HGN	chr1:14671	NM_00125	XM_01700	.	.	NP_00124	XP_006711	protein_co	ENSG0000	9557	1916
CHD3	11.6278	11.4086	11.5096	10.2615	10.3994	10.0726	chromodomain helicase DNA binding protein 3 [Source:HGNC Syr	chr17:7760	NM_00100	XM_01702	.	.	NP_00100	XP_005256	protein_co	ENSG0000	1107	1918
CHD4	70.8126	73.304	69.673	70.6238	68.6604	65.4799	chromodomain helicase DNA binding protein 4 [Source:HGNC Syr	chr12:6679	NM_00127	XM_01701	.	.	NP_00126	XP_005253	protein_co	ENSG0000	1108	1919
CHD5	1.91378	1.84557	2.15736	1.23092	1.33463	0.824915	chromodomain helicase DNA binding protein 5 [Source:HGNC Syr	chr1:61618	NM_01555	.	.	.	NP_05637	.	protein_co	ENSG0000	26038	16816
CHD6	4.653	4.90814	4.79604	4.06137	4.33216	5.05021	chromodomain helicase DNA binding protein 6 [Source:HGNC Syr	chr20:4003	NM_03222	XM_01702	.	.	NP_11559	XP_005260	protein_co	ENSG0000	84181	19057
CHD7	5.91057	5.94723	6.14094	6.83532	6.06298	6.75346	chromodomain helicase DNA binding protein 7 [Source:HGNC Syr	chr8:61591	NM_01778	XM_01701	.	.	NP_00130	XP_011515	protein_co	ENSG0000	55636	20626
CHD8	10.3799	11.6477	10.4669	13.9307	13.3332	12.5505	chromodomain helicase DNA binding protein 8 [Source:HGNC Syr	chr14:2185	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	57680	20153
CHD9	4.26408	3.71881	4.26283	3.09409	3.37516	3.71441	chromodomain helicase DNA binding protein 9 [Source:HGNC Syr	chr16:5308	NM_00130	XM_01702	.	.	NP_00129	XP_005256	protein_co	ENSG0000	80205	25701
CHDH	4.28823	3.98186	5.01575	3.59605	3.52398	2.63341	choline dehydrogenase [Source:HGNC Symbol;Acc:HGNC:24288]	chr3:53317	NM_01839	XM_01153	.	.	NP_06086	XP_006713	protein_co	ENSG0000	55349	24288
CHEK1	28.6762	27.1049	24.8572	29.9155	30.484	27.1895	checkpoint kinase 1 [Source:HGNC Symbol;Acc:HGNC:1925]	chr11:1254	NM_00111	XM_01154	.	.	NP_00110	XP_011540	protein_co	ENSG0000	1111	1925
CHEK2	23.7277	24.605	18.9161	32.4485	32.7772	22.6588	checkpoint kinase 2 [Source:HGNC Symbol;Acc:HGNC:16627]	chr22:2908	NM_00100	XM_01152	.	.	NP_00100	XP_006724	protein_co	ENSG0000	11200	16627
CHERP	24.7475	25.8325	22.2012	28.4854	26.6059	18.4164	calcium homeostasis endoplasmic reticulum protein [Source:HGN	chr19:1660	NM_00638	.	.	.	NP_00637	.	protein_co	ENSG0000	10523	16930
CHFR	0	0	0	0	0.008359	0	checkpoint with forkhead and ring finger domains, E3 ubiquitin p	chr12:1334	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	55743	20455
CHGA	0	0	0	0	0	0	chromogranin A [Source:HGNC Symbol;Acc:HGNC:1929]	chr14:9338	NM_00127	XM_01153	.	.	NP_00126	XP_011534	protein_co	ENSG0000	1113	1929
CHGB	0	0	0.047883	0.019705	0	0.019098	chromogranin B [Source:HGNC Symbol;Acc:HGNC:1930]	chr20:5892	NM_00181	.	.	.	NP_00181	.	protein_co	ENSG0000	1114	1930
CHI3L1	0	0	0	0.090131	0.095337	0.044602	chitinase 3 like 1 [Source:HGNC Symbol;Acc:HGNC:1932]	chr1:20314	NM_00127	XM_01150	.	.	NP_00126	.	protein_co	ENSG0000	1116	1932
CHI3L2	0.045961	0.048656	0	0	0.053981	0	chitinase 3 like 2 [Source:HGNC Symbol;Acc:HGNC:1933]	chr1:11172	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	1117	1933
CHIA	0	0	0	0	0	0	chitinase, acidic [Source:HGNC Symbol;Acc:HGNC:17432]	chr1:11183	NM_00104	XM_01700	.	.	NP_00103	XP_006710	protein_co	ENSG0000	27159	17432
CHIC1	0	0	0	0	0	0	cysteine rich hydrophobic domain 1 [Source:HGNC Symbol;Acc:H	chrX:72783	NM_00103	XM_01702	.	.	NP_00103	XP_016885	protein_co	ENSG0000	53344	1934
CHIC2	8.89546	8.6376	6.12211	5.29963	5.40985	9.37703	cysteine rich hydrophobic domain 2 [Source:HGNC Symbol;Acc:H	chr4:54243	NM_01211	XM_00671	.	.	NP_03624	XP_006714	protein_co	ENSG0000	26511	1935
CHID1	34.9601	37.7628	36.5523	36.3944	27.6402	31.9882	chitinase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2	chr11:8678	NM_00114	XM_01152	.	.	NP_00113	XP_005253	protein_co	ENSG0000	66005	28474
CHIT1	0	0	0	0	0	0	chitinase 1 [Source:HGNC Symbol;Acc:HGNC:1936]	chr1:20318	NM_00125	XM_01150	.	.	NP_00124	.	protein_co	ENSG0000	1118	1936
CHKA	13.6674	13.7121	16.2693	17.4265	17.6393	17.2356	choline kinase alpha [Source:HGNC Symbol;Acc:HGNC:1937]	chr11:6782	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	1119	1937
CHKB	11.6028	10.5445	12.9452	8.34915	7.45751	9.3357	choline kinase beta [Source:HGNC Symbol;Acc:HGNC:1938]	chr22:5101	NM_00519	.	.	.	NP_00518	.	protein_co	ENSG0000	1120	1938
CHL1	0	0	0	0	0	0	cell adhesion molecule L1 like [Source:HGNC Symbol;Acc:HGNC:1	chr3:23827	NM_00125	XM_01700	NR_04557	.	NP_00124	XP_006713	protein_co	ENSG0000	10752	1939
CHM	5.57613	6.33474	5.34861	6.28767	6.1504	7.00785	CHM, Rab escort protein 1 [Source:HGNC Symbol;Acc:HGNC:1940	chrX:85116	NM_00039	XM_01702	.	.	NP_00038	XP_016884	protein_co	ENSG0000	1121	1940
CHML	5.14886	4.89295	5.08533	5.68522	6.94386	6.49891	CHM like, Rab escort protein 2 [Source:HGNC Symbol;Acc:HGNC:1	chr1:24169	NM_00182	.	.	.	NP_00181	.	protein_co	ENSG0000	1122	1941
CHMP1A	87.9476	88.1382	86.876	110.059	98.1939	76.8919	charged multivesicular body protein 1A [Source:HGNC Symbol;Ac	chr16:8971	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	5119	8740
CHMP1B	26.5648	27.9862	25.952	22.8415	22.0903	25.1924	charged multivesicular body protein 1B [Source:HGNC Symbol;Ac	chr18:1168	NM_02041	.	.	.	NP_06514	.	protein_co	ENSG0000	57132	24287
CHMP2A	87.4277	80.4266	84.4728	74.0015	62.8761	78.4442	charged multivesicular body protein 2A [Source:HGNC Symbol;Ac	chr19:5906	NM_01445	XM_00525	.	.	NP_05526	XP_005258	protein_co	ENSG0000	27243	30216
CHMP2B	27.0583	24.8418	26.6412	19.0239	23.0244	22.7405	charged multivesicular body protein 2B [Source:HGNC Symbol;Ac	chr3:87276	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	25978	24537
CHMP3	32.7992	31.5104	34.1398	33.4963	33.7693	34.2419	charged multivesicular body protein 3 [Source:HGNC Symbol;Acc	chr2:86730	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	51652	29865
CHMP4A	35.4416	29.5016	25.5741	27.5924	21.3987	20.1152	charged multivesicular body protein 4A [Source:HGNC Symbol;Ac	chr14:2465	NM_01416	.	.	.	NP_05488	.	protein_co	ENSG0000	29082	20274
CHMP4B	59.2683	58.5421	55.8628	57.4302	49.1299	44.1996	charged multivesicular body protein 4B [Source:HGNC Symbol;Ac	chr20:3239	NM_17681	.	.	.	NP_78978	.	protein_co	ENSG0000	128866	16171
CHMP4C	11.2421	12.5465	9.23365	10.9491	10.655	12.6549	charged multivesicular body protein 4C [Source:HGNC Symbol;Ac	chr8:82644	NM_15228	.	.	.	NP_68949	.	protein_co	ENSG0000	92421	30599
CHMP5	40.9062	42.2413	34.5764	47.4723	41.7949	43.3623	charged multivesicular body protein 5 [Source:HGNC Symbol;Acc	chr9:33264	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	51510	26942
CHMP6	15.0586	16.796	14.1935	10.6833	9.74749	7.65752	charged multivesicular body protein 6 [Source:HGNC Symbol;Acc	chr17:7896	NM_02459	XM_00525	.	.	NP_07886	XP_005257	protein_co	ENSG0000	79643	25675
CHMP7	24.0707	23.909	24.1007	26.1102	24.517	22.6822	charged multivesicular body protein 7 [Source:HGNC Symbol;Acc	chr8:23101	NM_00131	XM_01154	.	.	NP_00130	XP_006716	protein_co	ENSG0000	91782	28439
CHN1	1.77532	1.75892	1.06528	2.28713	2.48923	1.92881	chimerin 1 [Source:HGNC Symbol;Acc:HGNC:1943]	chr2:17566	NM_00102	.	NR_03813	.	NP_00102	.	protein_co	ENSG0000	1123	1943
CHN2	0.815331	0.667358	0.61716	0.805861	1.1568	1.1436	chimerin 2 [Source:HGNC Symbol;Acc:HGNC:1944]	chr7:29034	NM_00103	XM_01151	NR_12052	.	NP_00103	XP_011513	protein_co	ENSG0000	101928168	1944
CHODL	0.041254	0.133132	0.088854	0	0.045791	0.049905	chondrolectin [Source:HGNC Symbol;Acc:HGNC:17807]	chr21:1927	NM_00120	XM_01702	.	.	NP_00119	XP_011527	protein_co	ENSG0000	140578	17807
CHORDC1	51.4248	61.6293	39.706	82.9771	81.9693	51.9433	cysteine and histidine rich domain containing 1 [Source:HGNC Sy	chr11:8993	NM_00114	XM_01154	.	.	NP_00113	XP_011541	protein_co	ENSG0000	26973	14525
CHP1	33.6386	34.031	41.3056	33.351	36.9496	42.4943	calcineurin like EF-hand protein 1 [Source:HGNC Symbol;Acc:HGN	chr15:4152	NM_00723	.	.	.	NP_00916	XP_016877	protein_co	ENSG0000	11261	17433
CHP2	0	0	0	0	0	0	calcineurin like EF-hand protein 2 [Source:HGNC Symbol;Acc:HGN	chr16:2376	NM_02209	.	.	.	NP_07138	.	protein_co	ENSG0000	63928	24927
CHPF	173.103	183.159	158.209	172.736	151.289	139.662	chondroitin polymerizing factor [Source:HGNC Symbol;Acc:HGNC	chr2:22040	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	79586	24291
CHPF2	10.4455	10.2504	10.3881	7.81112	8.54141	5.75793	chondroitin polymerizing factor 2 [Source:HGNC Symbol;Acc:HGN	chr7:15092	NM_00128	.	NR_03040	.	NP_00127	.	protein_co	ENSG0000	768213	29270
CHPT1	8.3275	8.39483	7.54885	19.5234	21.2636	19.7773	choline phosphotransferase 1 [Source:HGNC Symbol;Acc:HGNC:1	chr12:1020	NM_02024	XM_01153	.	.	NP_06462	XP_011536	protein_co	ENSG0000	56994	17852
CHRAC1	27.1082	29.0268	24.255	27.9481	28.6944	29.8988	chromatin accessibility complex 1 [Source:HGNC Symbol;Acc:HGN	chr8:14152	NM_01744	.	.	.	NP_05914	.	protein_co	ENSG0000	54108	13544
CHRD	3.47374	2.63303	4.54357	2.98345	2.62024	3.55038	chordin [Source:HGNC Symbol;Acc:HGNC:1949]	chr3:18409	NM_00130	XM_01151	.	.	NP_00129	XP_011511	protein_co	ENSG0000	8646	1949
CHRDL1	0	0	0	0	0	0	chordin like 1 [Source:HGNC Symbol;Acc:HGNC:29861]	chrX:10991	NM_00114	XM_01702	.	.	NP_00113	XP_005262	protein_co	ENSG0000	91851	29861
CHRDL2	0	0	0	0	0	0	chordin like 2 [Source:HGNC Symbol;Acc:HGNC:24168]	chr11:7440	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	25884	24168
CHRFAM7A	0.631771	0.428043	0.61327	0.403289	0.835457	0.592923	CHRNA7 (exons 5-10) and FAM7A (exons A-E) fusion [Source:HGN	chr15:3064	NM_13932	XM_01152	.	.	NP_64753	XP_005254	protein_co	ENSG0000	89832	15781
CHRM1	0.172686	0.056519	0.173017	0.244461	0.134291	0.224871	cholinergic receptor muscarinic 1 [Source:HGNC Symbol;Acc:HGN	chr11:6267	NM_00073	XM_01154	.	.	NP_00072	XP_011543	protein_co	ENSG0000	1128	1950
CHRM2	0	0	0	0	0	0	cholinergic receptor muscarinic 2 [Source:HGNC Symbol;Acc:HGN	chr7:13655	NM_00073	XM_01151	.	.	NP_00073	XP_011514	protein_co	ENSG0000	1129	1951
CHRM3	0	0	0	0.034852	0	0	cholinergic receptor muscarinic 3 [Source:HGNC Symbol;Acc:HGN	chr1:23979	NM_00074	XM_01700	.	.	NP_00073	XP_005273	protein_co	ENSG0000	1131	1952
CHRM4	0.672874	0.664972	1.51199	0.651869	0.789683	0.951502	cholinergic receptor muscarinic 4 [Source:HGNC Symbol;Acc:HGN	chr11:4640	NM_00074	.	.	.	NP_00073	.	protein_co	ENSG0000	1132	1953
CHRM5	0.025623	0	0	0	0	0	cholinergic receptor muscarinic 5 [Source:HGNC Symbol;Acc:HGN	chr15:3415	NM_01212	XM_01152	.	.	NP_00130	XP_005254	protein_co	ENSG0000	1133	1954
CHRNA1	0	0	0	0	0	0	cholinergic receptor nicotinic alpha 1 subunit [Source:HGNC Symb	chr2:17561	NM_00007	.	.	.	NP_00007	XP_016858	protein_co	ENSG0000	1134	1955
CHRNA10	1.68894	1.27792	1.89578	1.76257	2.0644	1.41377	cholinergic receptor nicotinic alpha 10 subunit [Source:HGNC Syn	chr11:3686	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	57053	13800

CHRNA2	0	0.018018	0.050421	0	0	0.046252	cholinergic receptor nicotinic alpha 2 subunit [Source:HGNC Symb	chr8:27317	NM_00074	XM_01154	.	.	NP_000733	XP_005273	protein_co	ENSG00000	1135	1956
CHRNA3	0.02639	0.054767	0.109485	0.058693	0.096901	0.1359	cholinergic receptor nicotinic alpha 3 subunit [Source:HGNC Symb	chr15:7885	NM_00074	.	.	.	NP_000734	.	protein_co	ENSG00000	1136	1957
CHRNA4	0	0	0	0	0	0	cholinergic receptor nicotinic alpha 4 subunit [Source:HGNC Symb	chr20:6197	NM_00074	XM_01152	.	.	NP_000735	XP_011526	protein_co	ENSG00000	1137	1958
CHRNA5	6.9464	7.40489	6.23308	7.67103	9.69718	8.76857	cholinergic receptor nicotinic alpha 5 subunit [Source:HGNC Symb	chr15:7885	NM_00074	XM_01152	.	.	NP_000736	XP_005254	protein_co	ENSG00000	1138	1959
CHRNA6	0	0.044211	0.08115	0	0.047049	0.083985	cholinergic receptor nicotinic alpha 6 subunit [Source:HGNC Symb	chr8:42607	NM_00119	.	.	.	NP_001186	.	protein_co	ENSG00000	8973	15963
CHRNA7	0.780426	1.50804	0.832887	0.722584	0.84294	1.04388	cholinergic receptor nicotinic alpha 7 subunit [Source:HGNC Symb	chr15:3225	NM_00074	XM_01699	.	.	NP_000737	XP_011506	protein_co	ENSG00000	101929970	1960
CHRNA9	0.066526	0	0	0	0.074522	0.033555	cholinergic receptor nicotinic alpha 9 subunit [Source:HGNC Symb	chr4:40337	NM_01758	.	.	.	NP_060051	.	protein_co	ENSG00000	55584	14079
CHRNB1	11.616	11.2988	9.76789	7.75364	6.94257	6.37108	cholinergic receptor nicotinic beta 1 subunit [Source:HGNC Symb	chr17:7348	NM_00074	.	.	.	NP_000738	.	protein_co	ENSG00000	1140	1961
CHRNB2	0	0	0.03069	0	0	0.038328	cholinergic receptor nicotinic beta 2 subunit [Source:HGNC Symb	chr1:15454	NM_00074	.	.	.	NP_000739	.	protein_co	ENSG00000	1141	1962
CHRNB3	0	0	0	0	0	0	cholinergic receptor nicotinic beta 3 subunit [Source:HGNC Symb	chr8:42552	NM_00074	.	.	.	NP_000740	.	protein_co	ENSG00000	1142	1963
CHRNB4	0.708092	0.95975	1.34912	0.640512	1.10275	0.823296	cholinergic receptor nicotinic beta 4 subunit [Source:HGNC Symb	chr15:7891	NM_00075	.	.	.	NP_000741	XP_011519	protein_co	ENSG00000	1143	1964
CHRND	0	0	0	0	0.038958	0.026701	cholinergic receptor nicotinic delta subunit [Source:HGNC Symbo	chr2:23339	NM_00075	XM_01151	.	.	NP_000742	XP_011508	protein_co	ENSG00000	1144	1965
CHRNE	0.037222	0	0	0	0.128538	0.08074	cholinergic receptor nicotinic epsilon subunit [Source:HGNC Symb	chr17:4736	NM_00008	.	.	.	NP_000071	XP_016879	protein_co	ENSG00000	1145	1966
CHRNG	0	0	0	0	0	0	cholinergic receptor nicotinic gamma subunit [Source:HGNC Symb	chr2:23340	NM_00519	.	.	.	NP_005190	.	protein_co	ENSG00000	1146	1967
CHST1	0.267363	0.553975	0.682172	0.977536	0.718008	1.41486	carbohydrate sulfotransferase 1 [Source:HGNC Symbol;Acc:HGNC	chr11:4567	NM_00365	XM_00671	.	.	NP_003645	XP_006718	protein_co	ENSG00000	8534	1969
CHST10	0	0	0	0	0	0	carbohydrate sulfotransferase 10 [Source:HGNC Symbol;Acc:HGN	chr2:10100	NM_00485	XM_01151	.	.	NP_004845	XP_011510	protein_co	ENSG00000	9486	19650
CHST11	3.31047	3.43308	4.69847	2.76439	2.56342	3.51695	carbohydrate sulfotransferase 11 [Source:HGNC Symbol;Acc:HGN	chr12:1048	NM_00117	.	.	.	NP_001167	.	protein_co	ENSG00000	50515	17422
CHST12	8.34095	7.45752	7.82904	8.02876	6.78815	5.64014	carbohydrate sulfotransferase 12 [Source:HGNC Symbol;Acc:HGN	chr7:24431	NM_00124	XM_01151	NR_10806	.	NP_001230	XP_011513	protein_co	ENSG00000	101927181	17423
CHST13	1.12351	0.990758	1.08287	0.421409	0.572366	1.66083	carbohydrate sulfotransferase 13 [Source:HGNC Symbol;Acc:HGN	chr3:12624	NM_15288	.	.	.	NP_690849	.	protein_co	ENSG00000	166012	21755
CHST14	9.65	8.1438	9.08733	10.3766	7.33299	6.9711	carbohydrate sulfotransferase 14 [Source:HGNC Symbol;Acc:HGN	chr15:4076	NM_13046	.	.	.	NP_569735	.	protein_co	ENSG00000	113189	24464
CHST15	23.5881	24.74	33.7695	18.7	20.5899	25.2447	carbohydrate sulfotransferase 15 [Source:HGNC Symbol;Acc:HGN	chr10:1257	NM_00127	XM_01701	.	.	NP_001257	XP_005269	protein_co	ENSG00000	51363	18137
CHST2	1.30582	1.7106	1.80879	1.43595	1.33757	1.35345	carbohydrate sulfotransferase 2 [Source:HGNC Symbol;Acc:HGNC	chr3:14283	NM_00426	.	.	.	NP_004258	.	protein_co	ENSG00000	9435	1970
CHST3	7.62959	7.60361	5.38713	7.22684	7.46727	5.86459	carbohydrate sulfotransferase 3 [Source:HGNC Symbol;Acc:HGNC	chr10:7372	NM_00427	XM_01154	.	.	NP_004264	XP_006718	protein_co	ENSG00000	9469	1971
CHST4	1.11323	0.885256	0.405228	0.884201	0.517585	0.209983	carbohydrate sulfotransferase 4 [Source:HGNC Symbol;Acc:HGNC	chr16:7155	NM_00116	.	.	.	NP_001159	.	protein_co	ENSG00000	10164	1972
CHST5	0.221798	0.095014	0.188681	0.17176	0.109531	0.170578	carbohydrate sulfotransferase 5 [Source:HGNC Symbol;Acc:HGNC	chr16:7556	NM_02453	.	.	.	NP_078809	.	protein_co	ENSG00000	23563	1973
CHST6	6.29758	6.35758	7.44586	8.15207	8.16925	8.72529	carbohydrate sulfotransferase 6 [Source:HGNC Symbol;Acc:HGNC	chr16:7550	NM_02161	XM_01152	.	.	NP_067628	XP_005256	protein_co	ENSG00000	4166	6938
CHST7	4.199	5.02862	5.87775	6.03313	5.61366	9.00641	carbohydrate sulfotransferase 7 [Source:HGNC Symbol;Acc:HGNC	chrX:46433	NM_01988	.	.	.	NP_063939	.	protein_co	ENSG00000	56548	13817
CHST8	0	0	0	0	0	0	carbohydrate sulfotransferase 8 [Source:HGNC Symbol;Acc:HGNC	chr19:3411	NM_00112	XM_01152	.	.	NP_001121	XP_011525	protein_co	ENSG00000	64377	15993
CHST9	0	0	0	0	0	0	carbohydrate sulfotransferase 9 [Source:HGNC Symbol;Acc:HGNC	chr18:2448	NM_00125	.	.	.	NP_001243	XP_016881	protein_co	ENSG00000	83539	19898
CHSY1	13.3392	14.9425	14.0046	14.186	15.6138	14.1001	chondroitin sulfate synthase 1 [Source:HGNC Symbol;Acc:HGNC:1	chr15:1017	NM_01491	.	.	.	NP_055733	.	protein_co	ENSG00000	22856	17198
CHSY3	1.06162	0.85903	1.25056	0.498236	0.524241	0.45284	chondroitin sulfate synthase 3 [Source:HGNC Symbol;Acc:HGNC:2	chr5:12924	NM_17585	.	.	.	NP_787052	.	protein_co	ENSG00000	337876	24293
CHTF18	19.381	20.2447	18.623	18.257	16.3668	12.1157	chromosome transmission fidelity factor 18 [Source:HGNC Symbo	chr16:8349	NM_02209	XM_01702	.	.	NP_071375	XP_005255	protein_co	ENSG00000	63922	18435
CHTF8	115.835	114.645	105	130.294	134.671	119.106	chromosome transmission fidelity factor 8 [Source:HGNC Symbol	chr16:6913	NM_00103	XM_01152	.	.	NP_001034	XP_011521	protein_co	ENSG00000	54921	24353
CHTOP	67.6298	68.0907	62.0576	65.4801	61.8666	67.2026	chromatin target of PRMT1 [Source:HGNC Symbol;Acc:HGNC:245	chr1:15360	NM_00120	XM_01700	.	.	NP_001193	XP_016856	protein_co	ENSG00000	26097	24511
CHUK	20.0846	20.1729	19.799	23.3324	27.5294	25.069	conserved helix-loop-helix ubiquitous kinase [Source:HGNC Symb	chr10:1019	NM_00127	XM_01153	.	.	NP_001269	XP_016871	protein_co	ENSG00000	1147	1974
CHURC1	63.3236	49.5944	61.5787	73.06	52.6609	66.4541	churchill domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2	chr14:6538	NM_00120	.	.	.	NP_001190	.	protein_co	ENSG00000	91612	20099
CHURC1-FNTB	1.07E-61	0.673474	1.02817	4.45E-05	3.66E-28	0.670877	CHURC1-FNTB readthrough [Source:HGNC Symbol;Acc:HGNC:429	chr14:6538	NM_00120	.	.	.	NP_001189	.	protein_co	ENSG00000	100529261	42960
CIAO1	49.9517	53.5356	54.2964	63.5041	53.5878	39.8492	cytosolic iron-sulfur assembly component 1 [Source:HGNC Symbo	chr2:96931	NM_00480	.	.	.	NP_004795	.	protein_co	ENSG00000	9391	14280
CIAPIN1	44.5989	45.4856	39.5991	54.1899	46.0955	35.5039	cytokine induced apoptosis inhibitor 1 [Source:HGNC Symbol;Acc	chr16:5746	NM_00130	XM_00525	.	.	NP_001295	XP_005256	protein_co	ENSG00000	57019	28050
CIART	0.177309	0.12346	0.312959	0.24308	0.483565	0.403999	circadian associated repressor of transcription [Source:HGNC Sym	chr1:15025	NM_00130	.	.	.	NP_001287	.	protein_co	ENSG00000	148523	25200
CIB1	62.3058	61.5785	54.1431	65.8288	44.6397	37.5871	calcium and integrin binding 1 [Source:HGNC Symbol;Acc:HGNC:1	chr15:9077	NM_00127	.	.	.	NP_001264	.	protein_co	ENSG00000	10519	16920
CIB2	11.4381	10.3782	15.3632	12.9917	11.1808	11.4478	calcium and integrin binding family member 2 [Source:HGNC Sym	chr15:7837	NM_00127	XM_01152	.	.	NP_001258	XP_006720	protein_co	ENSG00000	10518	24579
CIB3	0	0	0.09513	0	0	0	calcium and integrin binding family member 3 [Source:HGNC Sym	chr19:1627	NM_00130	.	.	.	NP_001287	.	protein_co	ENSG00000	117286	24580
CIB4	0	0	0	0	0	0	calcium and integrin binding family member 4 [Source:HGNC Sym	chr2:26804	NM_00102	XM_01153	.	.	NP_001025	XP_011530	protein_co	ENSG00000	130106	33703
CIC	13.1719	14.9094	13.4591	10.7997	10.4838	9.27753	capicua transcriptional repressor [Source:HGNC Symbol;Acc:HGN	chr19:4277	NM_00130	XM_01152	.	.	NP_001291	XP_005258	protein_co	ENSG00000	23152	14214
CIDEA	0	0	0	0	0	0	cell death-inducing DFFA-like effector a [Source:HGNC Symbol;Ac	chr18:1225	NM_00127	.	.	.	NP_001270	.	protein_co	ENSG00000	1149	1976
CIDEB	0.190826	0.341058	0.288694	0	0.324317	0.285032	cell death-inducing DFFA-like effector b [Source:HGNC Symbol;Ac	chr14:2476	NM_00131	XM_01153	.	.	NP_001305	XP_005267	protein_co	ENSG00000	27141	1977
CIDEC	0.074829	0.075149	0.076928	0.482397	0.32477	0.081188	cell death inducing DFFA like effector c [Source:HGNC Symbol;Acc	chr3:99083	NM_00119	XM_00526	.	.	NP_001186	XP_005265	protein_co	ENSG00000	63924	24229
CIITA	0.073013	0.048248	0.13104	0.028324	0.030403	0.067411	class II major histocompatibility complex transactivator [Source:H	chr16:1097	NM_00024	XM_01152	.	.	NP_000237	XP_006720	protein_co	ENSG00000	4261	7067
CILP	0.023822	0.024353	0.020599	0.013041	0	0.012536	cartilage intermediate layer protein [Source:HGNC Symbol;Acc:H	chr15:6548	NM_00361	.	.	.	NP_003604	XP_016878	protein_co	ENSG00000	8483	1980
CILP2	5.60643	6.03074	8.33846	6.2714	6.26404	6.12473	cartilage intermediate layer protein 2 [Source:HGNC Symbol;Acc:	chr19:1964	NM_15322	.	.	.	NP_694953	.	protein_co	ENSG00000	148113	24213
CINP	29.774	27.7245	25.1723	37.7071	27.4093	22.8682	cyclin dependent kinase 2 interacting protein [Source:HGNC Symb	chr14:1028	NM_03263	XM_01153	.	.	NP_001306	XP_005267	protein_co	ENSG00000	51550	23789
CIPC	12.6044	11.7699	13.2909	11.333	11.9654	11.2842	CLOCK interacting pacemaker [Source:HGNC Symbol;Acc:HGNC:2	chr14:7756	NM_03342	.	.	.	NP_219494	.	protein_co	ENSG00000	85457	20365
CIR1	8.23259	7.60829	7.36796	5.7495	5.70712	7.25406	corepressor interacting with RBPJ, 1 [Source:HGNC Symbol;Acc:H	chr2:17521	NM_00488	.	.	.	NP_004873	.	protein_co	ENSG00000	9541	24217
CIRBP	195.414	186.453	184.012	183.434	174.682	152.358	cold inducible RNA binding protein [Source:HGNC Symbol;Acc:HG	chr19:1259	NM_00128	XM_00672	.	.	NP_001271	XP_006722	protein_co	ENSG00000	1153	1982
CISD1	17.0588	17.1265	15.8931	16.0139	13.2032	11.8372	CDGSH iron sulfur domain 1 [Source:HGNC Symbol;Acc:HGNC:308	chr10:6002	NM_01846	.	.	.	NP_060934	.	protein_co	ENSG00000	55847	30880
CISD2	25.5363	28.2795	18.9099	29.5764	28.9326	31.9652	CDGSH iron sulfur domain 2 [Source:HGNC Symbol;Acc:HGNC:242	chr4:10379	NM_00100	.	.	.	NP_001008	.	protein_co	ENSG00000	493856	24212
CISD3	14.4744	13.2931	14.6371	13.6369	10.523	8.86213	CDGSH iron sulfur domain 3 [Source:HGNC Symbol;Acc:HGNC:275	chr17:3688	NM_00113	.	.	.	NP_001129	.	protein_co	ENSG00000	284106	27578
CISH	2.93756	3.52499	2.00913	3.09139	3.14157	2.16467	cytokine inducible SH2 containing protein [Source:HGNC Symbol;	chr3:50643	NM_01332	.	.	.	NP_037456	XP_011531	protein_co	ENSG00000	1154	1984

CIT	5.30467	5.33491	5.49044	7.86668	8.30895	7.88902	citron rho-interacting serine/threonine kinase [Source:HGNC Sym	chr12:1201	NM_00120	XM_01701	NR_03158	.	NP_00119	XP_00671	protein_co	ENSG0000	100302274	1985
CITED1	1.61627	2.37482	2.90984	3.02229	2.91218	1.83387	Cbp/p300 interacting transactivator with Glu/Asp rich carboxy-te	chrX:71521	NM_00114	XM_01153	.	.	NP_00113	XP_01152	protein_co	ENSG0000	4435	1986
CITED2	25.1898	23.888	20.3837	24.0074	21.2482	21.1395	Cbp/p300 interacting transactivator with Glu/Asp rich carboxy-te	chr6:13969	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	10370	1987
CITED4	4.75358	6.04334	9.81435	4.98289	2.91333	6.69631	Cbp/p300 interacting transactivator with Glu/Asp rich carboxy-te	chr1:41326	NM_13346	.	.	.	NP_59772	.	protein_co	ENSG0000	163732	18696
CIZ1	26.5591	27.8467	22.718	28.2993	25.2911	18.9804	CDKN1A interacting zinc finger protein 1 [Source:HGNC Symbol;A	chr9:13092	NM_00113	XM_01701	.	.	NP_00112	XP_00525	protein_co	ENSG0000	25792	16744
CKAP2	29.6959	30.8332	29.7398	40.2588	51.6777	45.7699	cytoskeleton associated protein 2 [Source:HGNC Symbol;Acc:HGN	chr13:5302	NM_00109	XM_01153	.	.	NP_00109	XP_00526	protein_co	ENSG0000	26586	1990
CKAP2L	7.54177	8.66375	7.09304	10.7697	11.915	11.7573	cytoskeleton associated protein 2 like [Source:HGNC Symbol;Acc:	chr2:11347	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	150468	26877
CKAP4	52.3422	53.8857	38.1081	54.88	48.6637	43.0192	cytoskeleton associated protein 4 [Source:HGNC Symbol;Acc:HGN	chr12:1066	NM_00682	.	.	.	NP_00681	.	protein_co	ENSG0000	10970	16991
CKAP5	38.253	39.3176	38.8061	24.7208	26.3603	24.1684	cytoskeleton associated protein 5 [Source:HGNC Symbol;Acc:HGN	chr11:4676	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	9793	28959
CKB	255.522	249.308	301.272	326.6	265.284	256.928	creatine kinase B [Source:HGNC Symbol;Acc:HGNC:1991]	chr14:1039	NM_00182	.	.	.	NP_00181	XP_01687	protein_co	ENSG0000	1152	1991
CKLF	40.7094	39.9129	30.0709	56.6965	41.0766	36.0125	chemokine like factor [Source:HGNC Symbol;Acc:HGNC:13253]	chr16:6658	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	51192	13253
CKLF-CMTM1	2.67783	2.54332	1.4542	2.16724	3.95984	4.54E-15	CKLF-CMTM1 readthrough [Source:HGNC Symbol;Acc:HGNC:399	chr16:6658	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	100529251	39977
CKM	0.038778	0	0	0	0	0	creatine kinase, M-type [Source:HGNC Symbol;Acc:HGNC:1994]	chr19:4580	NM_00182	XM_01702	.	.	NP_00181	XP_01688	protein_co	ENSG0000	1158	1994
CKMT1A	2.68692	2.48255	2.51481	3.66676	1.96611	2.86047	creatine kinase, mitochondrial 1A [Source:HGNC Symbol;Acc:HGN	chr15:4398	NM_00101	XM_01152	.	.	NP_00101	XP_00525	protein_co	ENSG0000	548596	31736
CKMT1B	2.5538	1.68359	2.54546	2.20259	1.19406	1.72251	creatine kinase, mitochondrial 1B [Source:HGNC Symbol;Acc:HGN	chr15:4388	NM_02099	XM_01152	.	.	NP_06627	XP_00525	protein_co	ENSG0000	1159	1995
CKMT2	0.043859	0	0	0	0	0	creatine kinase, mitochondrial 2 [Source:HGNC Symbol;Acc:HGN	chr5:80529	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	1160	1996
CKS1B	145.216	146.607	110.291	174.27	153.659	155.118	CDC28 protein kinase regulatory subunit 1B [Source:HGNC Symbo	chr1:15494	NM_00182	.	.	.	NP_00181	.	protein_co	ENSG0000	1163	19083
CKS2	234.402	224.605	193.243	418.904	338.01	291.979	CDC28 protein kinase regulatory subunit 2 [Source:HGNC Symbol	chr9:91926	NM_00182	.	.	.	NP_00181	.	protein_co	ENSG0000	1164	2000
CLASP1	8.62022	8.20668	8.99912	8.18444	9.61279	9.31789	cytoplasmic linker associated protein 1 [Source:HGNC Symbol;Ac	chr2:12209	NM_00114	XM_01700	.	.	NP_00113	XP_00671	protein_co	ENSG0000	23332	17088
CLASP2	5.35458	4.5065	4.49813	4.02411	5.44918	5.27186	cytoplasmic linker associated protein 2 [Source:HGNC Symbol;Ac	chr3:33537	NM_00120	XM_01700	.	.	NP_00119	XP_00671	protein_co	ENSG0000	23122	17078
CLASRP	11.6423	9.68677	10.8893	10.3445	8.10897	8.08995	CLK4 associating serine/arginine rich protein [Source:HGNC Symb	chr19:4554	NM_00127	XM_01152	.	.	NP_00126	XP_01152	protein_co	ENSG0000	11129	17731
CLC	0	0	0	0	0	0	Charcot-Leyden crystal galectin [Source:HGNC Symbol;Acc:HGNC	chr19:4022	NM_00182	.	.	.	NP_00181	.	protein_co	ENSG0000	1178	2014
CLCA1	0	0	0	0	0	0	chloride channel accessory 1 [Source:HGNC Symbol;Acc:HGNC:20	chr1:86934	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	1179	2015
CLCA2	0	0	0.031969	0.020941	0.06086	0	chloride channel accessory 2 [Source:HGNC Symbol;Acc:HGNC:20	chr1:86889	NM_00653	.	.	.	NP_00652	.	protein_co	ENSG0000	9635	2016
CLCA4	0	0	0	0	0	0	chloride channel accessory 4 [Source:HGNC Symbol;Acc:HGNC:20	chr1:87012	NM_01212	XM_01154	.	.	NP_03626	XP_01153	protein_co	ENSG0000	22802	2018
CLCC1	8.26405	8.43856	7.37369	7.33317	6.87067	5.86339	chloride channel CLIC like 1 [Source:HGNC Symbol;Acc:HGNC:296	chr1:10935	NM_00104	.	.	.	NP_00104	.	protein_co	ENSG0000	23155	29675
CLCF1	6.29295	6.27547	5.49197	4.86072	4.36413	4.33965	cardiotrophin-like cytokine factor 1 [Source:HGNC Symbol;Acc:H	chr11:6711	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	23529	17412
CLCN1	0.697665	0.55868	0.456378	0.756201	0.580966	0.360559	chloride voltage-gated channel 1 [Source:HGNC Symbol;Acc:HGN	chr7:14301	NM_00008	XM_01151	.	.	NP_00007	.	protein_co	ENSG0000	1180	2019
CLCN2	8.66479	9.51297	7.84732	9.82646	8.66522	6.67737	chloride voltage-gated channel 2 [Source:HGNC Symbol;Acc:HGN	chr3:18405	NM_00117	XM_01151	.	.	NP_00116	XP_00671	protein_co	ENSG0000	1181	2020
CLCN3	33.9042	37.5279	30.0775	33.6273	38.7601	47.9869	chloride voltage-gated channel 3 [Source:HGNC Symbol;Acc:HGN	chr4:17054	NM_00124	XM_01153	.	.	NP_00123	XP_00526	protein_co	ENSG0000	1182	2021
CLCN4	1.08876	1.14311	1.42807	0.931536	0.892243	1.18156	chloride voltage-gated channel 4 [Source:HGNC Symbol;Acc:HGN	chrX:10124	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	1183	2022
CLCN5	2.29995	2.6502	2.61968	2.16445	3.85429	3.27402	chloride voltage-gated channel 5 [Source:HGNC Symbol;Acc:HGN	chrX:49687	NM_00008	XM_01702	.	.	NP_00007	XP_01688	protein_co	ENSG0000	1184	2023
CLCN6	2.83822	2.88098	3.5824	2.9604	3.26698	2.39256	chloride voltage-gated channel 6 [Source:HGNC Symbol;Acc:HGN	chr1:11866	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	1185	2024
CLCN7	13.0029	15.7335	15.9891	12.9182	11.3778	11.8698	chloride voltage-gated channel 7 [Source:HGNC Symbol;Acc:HGN	chr16:1494	NM_00111	XM_01152	.	.	NP_00110	XP_01152	protein_co	ENSG0000	1186	2025
CLCNKA	0.033239	0.066332	0.114066	0.214766	0.161931	0.14747	chloride voltage-gated channel Ka [Source:HGNC Symbol;Acc:HG	chr1:16348	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	1187	2026
CLCNKB	0.288864	0.123801	0.44636	0.249591	0.313135	0.6088	chloride voltage-gated channel Kb [Source:HGNC Symbol;Acc:HG	chr1:16370	NM_00008	XM_01154	.	.	NP_00007	.	protein_co	ENSG0000	1188	2027
CLDN1	0.058766	0.031358	0.101122	0.033395	0.065296	0.403149	claudin 1 [Source:HGNC Symbol;Acc:HGNC:2032]	chr3:19002	NM_02110	.	.	.	NP_06692	.	protein_co	ENSG0000	9076	2032
CLDN10	0	0	0	0	0	0	claudin 10 [Source:HGNC Symbol;Acc:HGNC:2033]	chr13:9608	NM_00116	XM_01152	.	.	NP_00115	XP_01151	protein_co	ENSG0000	9071	2033
CLDN11	0	0	0	0	0	0.051294	claudin 11 [Source:HGNC Symbol;Acc:HGNC:8514]	chr3:17013	NM_00560	.	NR_13555	.	NP_00559	.	protein_co	ENSG0000	101928583	8514
CLDN12	17.9299	16.936	17.4064	11.5428	16.2042	17.7159	claudin 12 [Source:HGNC Symbol;Acc:HGNC:2034]	chr7:90032	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	9069	2034
CLDN14	0	0	0	0	0	0	claudin 14 [Source:HGNC Symbol;Acc:HGNC:2035]	chr21:3783	NM_00114	XM_01152	.	.	NP_00113	XP_01152	protein_co	ENSG0000	23562	2035
CLDN15	7.14799	7.57932	7.55885	7.09268	6.47385	6.82632	claudin 15 [Source:HGNC Symbol;Acc:HGNC:2036]	chr7:10087	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	24146	2036
CLDN16	0	0	0	0.036169	0	0.030692	claudin 16 [Source:HGNC Symbol;Acc:HGNC:2037]	chr3:19010	NM_00658	.	.	.	NP_00657	.	protein_co	ENSG0000	10686	2037
CLDN17	0	0	0	0	0	0	claudin 17 [Source:HGNC Symbol;Acc:HGNC:2038]	chr21:3153	NM_01213	.	.	.	NP_03626	.	protein_co	ENSG0000	26285	2038
CLDN18	0	0	0	0	0	0	claudin 18 [Source:HGNC Symbol;Acc:HGNC:2039]	chr3:13771	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	51208	2039
CLDN19	0	0	0	0	0	0.029261	claudin 19 [Source:HGNC Symbol;Acc:HGNC:2040]	chr1:43198	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	149461	2040
CLDN2	0.199968	0.512908	0.757107	0.054811	0.113068	0.183432	claudin 2 [Source:HGNC Symbol;Acc:HGNC:2041]	chrX:10614	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	9075	2041
CLDN20	0	0	0	0	0	0	claudin 20 [Source:HGNC Symbol;Acc:HGNC:2042]	chr6:15505	NM_00100	XM_01153	.	.	NP_00100	XP_01153	protein_co	ENSG0000	49861	2042
CLDN22	0	0	0	0	0	0	claudin 22 [Source:HGNC Symbol;Acc:HGNC:2044]	chr4:18402	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	53842	2044
CLDN23	2.69829	2.68502	2.52142	2.13593	1.54114	1.32933	claudin 23 [Source:HGNC Symbol;Acc:HGNC:17591]	chr8:85594	NM_19428	.	.	.	NP_91926	.	protein_co	ENSG0000	137075	17591
CLDN24	0	0	0	0	0	0	claudin 24 [Source:HGNC Symbol;Acc:HGNC:37200]	chr4:18424	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	100132463	37200
CLDN25	0	0	0	0	0	0	claudin 25 [Source:HGNC Symbol;Acc:HGNC:37218]	chr11:1136	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	644672	37218
CLDN3	7.36666	8.46693	12.6189	6.19462	6.22187	6.82854	claudin 3 [Source:HGNC Symbol;Acc:HGNC:2045]	chr7:73183	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	1365	2045
CLDN34	0	0	0	0	0	0	claudin 34 [Source:HGNC Symbol;Acc:HGNC:51259]	chrX:99353	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100288814	51259
CLDN4	111.189	107.487	106.862	99.843	89.0662	106.516	claudin 4 [Source:HGNC Symbol;Acc:HGNC:2046]	chr7:73242	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	1364	2046
CLDN5	0	0	0	0	0	0	claudin 5 [Source:HGNC Symbol;Acc:HGNC:2047]	chr22:1951	NM_00113	XM_01702	.	.	NP_00112	XP_01688	protein_co	ENSG0000	7122	2047
CLDN6	0.114127	0.243463	0	0	0.242669	0.300525	claudin 6 [Source:HGNC Symbol;Acc:HGNC:2048]	chr16:3064	NM_02119	.	.	.	NP_06701	.	protein_co	ENSG0000	9074	2048
CLDN7	172.882	173.071	144.761	156.847	136.441	185.986	claudin 7 [Source:HGNC Symbol;Acc:HGNC:2049]	chr17:7146	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	1366	2049
CLDN8	0	0	0	0	0	0	claudin 8 [Source:HGNC Symbol;Acc:HGNC:2050]	chr21:3158	NM_19932	.	.	.	NP_95536	.	protein_co	ENSG0000	9073	2050

CLDN9	0.371931	0.407827	0.277284	0.344707	0.325762	0.261016	claudin 9 [Source:HGNC Symbol;Acc:HGNC:2051]	chr16:3062	NM_02098	.	.	.	NP_06619	.	protein_co	ENSG0000	9080	2051
CLDND1	166.524	154.338	176.522	209.908	209.014	262.011	claudin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:13	chr3:98216	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	56650	1322
CLDND2	0.62867	1.62913	1.94997	0.22388	0.248576	0.231682	claudin domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28	chr19:5187	NM_15235	XM_01152	.	.	NP_68956	XP_006723	protein_co	ENSG0000	125875	28511
CLEC10A	0	0	0	0	0	0	C-type lectin domain family 10 member A [Source:HGNC Symbol;	chr17:6977	NM_00634	XM_01152	.	.	NP_00633	XP_005256	protein_co	ENSG0000	10462	16916
CLEC11A	3.56511	4.54649	5.71339	7.80944	4.73421	6.08033	C-type lectin domain family 11 member A [Source:HGNC Symbol;	chr19:5122	NM_00297	.	.	.	NP_00296	.	protein_co	ENSG0000	6320	10576
CLEC12A	0	0	0	0	0	0	C-type lectin domain family 12 member A [Source:HGNC Symbol;	chr12:1010	NM_00120	XM_01152	.	.	NP_00119	XP_005253	protein_co	ENSG0000	160364	31713
CLEC12B	0	0	0	0	0	0	C-type lectin domain family 12 member B [Source:HGNC Symbol;	chr12:1014	NM_00112	XM_01152	.	.	NP_00112	XP_006719	protein_co	ENSG0000	387837	31966
CLEC14A	0	0	0	0	0	0	C-type lectin domain family 14 member A [Source:HGNC Symbol;	chr14:3872	NM_17506	.	.	.	NP_778230	.	protein_co	ENSG0000	161198	19832
CLEC16A	4.73458	4.45959	5.36419	4.46268	4.9323	4.91489	C-type lectin domain family 16 member A [Source:HGNC Symbol;	chr16:1103	NM_00124	XM_01152	.	.	NP_001230	XP_005255	protein_co	ENSG0000	23274	29013
CLEC17A	0	0.04551	0.081793	0.097342	0.051356	0	C-type lectin domain family 17 member A [Source:HGNC Symbol;	chr19:1469	NM_00120	XM_01152	.	.	NP_00119	.	protein_co	ENSG0000	388512	34520
CLEC18A	0	0.070372	0.071998	0	0.097264	0	C-type lectin domain family 18 member A [Source:HGNC Symbol;	chr16:6998	NM_00113	XM_01152	.	.	NP_00112	XP_005255	protein_co	ENSG0000	348174	30388
CLEC18B	0.335306	0.206141	0.07236	0.134444	0.048628	0.110494	C-type lectin domain family 18 member B [Source:HGNC Symbol;	chr16:7444	NM_00101	XM_01152	.	.	NP_00101	XP_005256	protein_co	ENSG0000	497190	33849
CLEC18C	0.080715	0	0	0	0	0	C-type lectin domain family 18 member C [Source:HGNC Symbol;	chr16:7020	NM_17361	XM_01152	.	.	NP_775890	XP_006721	protein_co	ENSG0000	283971	28538
CLEC19A	0	0	0	0	0	0	C-type lectin domain family 19 member A [Source:HGNC Symbol;	chr16:1929	NM_00125	XM_01154	.	.	NP_00124	XP_011544	protein_co	ENSG0000	728276	34522
CLEC1A	0	0	0.041208	0	0	0	C-type lectin domain family 1 member A [Source:HGNC Symbol;A	chr12:1022	NM_00129	XM_01152	.	.	NP_00128	XP_011518	protein_co	ENSG0000	51267	24355
CLEC1B	0	0	0	0	0	0	C-type lectin domain family 1 member B [Source:HGNC Symbol;A	chr12:1014	NM_00109	XM_01152	.	.	NP_00109	XP_005253	protein_co	ENSG0000	51266	24356
CLEC2A	0	0	0	0	0	0	C-type lectin domain family 2 member A [Source:HGNC Symbol;A	chr12:1005	NM_00113	XM_01152	.	.	NP_00112	XP_011518	protein_co	ENSG0000	387836	24191
CLEC2B	0.380674	0.059188	0.094589	0	0	0	C-type lectin domain family 2 member B [Source:HGNC Symbol;A	chr12:1000	NM_00512	.	.	.	NP_00511	.	protein_co	ENSG0000	9976	2053
CLEC2D	2.59849	2.44055	2.41359	2.42066	3.07948	3.02069	C-type lectin domain family 2 member D [Source:HGNC Symbol;A	chr12:9822	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	29121	14351
CLEC2L	0.071378	0	0	0	0	0	C-type lectin domain family 2 member L [Source:HGNC Symbol;A	chr7:13920	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	154790	21969
CLEC3A	0	0	0	0	0	0	C-type lectin domain family 3 member A [Source:HGNC Symbol;A	chr16:7805	NM_00575	.	.	.	NP_00574	.	protein_co	ENSG0000	10143	2052
CLEC3B	0.284939	0.575427	0.103125	0.406148	0.137441	0.131293	C-type lectin domain family 3 member B [Source:HGNC Symbol;A	chr3:45067	NM_00130	XM_00526	.	.	NP_00129	XP_005265	protein_co	ENSG0000	7123	11891
CLEC4A	0.820289	0.804239	0.574693	0.521206	0.313876	0.194106	C-type lectin domain family 4 member A [Source:HGNC Symbol;A	chr12:8276	NM_01618	.	.	.	NP_05726	.	protein_co	ENSG0000	50856	13257
CLEC4C	0	0	0	0.095508	0	0	C-type lectin domain family 4 member C [Source:HGNC Symbol;A	chr12:7882	NM_13044	.	.	.	NP_56970	.	protein_co	ENSG0000	170482	13258
CLEC4D	0	0	0	0	0	0	C-type lectin domain family 4 member D [Source:HGNC Symbol;A	chr12:8666	NM_08038	XM_01152	.	.	NP_52512	XP_011518	protein_co	ENSG0000	338339	14554
CLEC4E	0	0	0	0	0	0	C-type lectin domain family 4 member E [Source:HGNC Symbol;A	chr12:8685	NM_01435	XM_01152	.	.	NP_05517	XP_011518	protein_co	ENSG0000	26253	14555
CLEC4F	0	0.031564	0.026422	0	0	0.030606	C-type lectin domain family 4 member F [Source:HGNC Symbol;A	chr2:71035	NM_00125	XM_01153	.	.	NP_00124	XP_005264	protein_co	ENSG0000	165530	25357
CLEC4G	0	0	0	0	0	0	C-type lectin domain family 4 member G [Source:HGNC Symbol;A	chr19:7793	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	339390	24591
CLEC4M	0	0	0	0	0	0	C-type lectin domain family 4 member M [Source:HGNC Symbol;A	chr19:7828	NM_00114	XM_00672	.	.	NP_00113	XP_006722	protein_co	ENSG0000	10332	13523
CLEC5A	0	0	0	0	0	0	C-type lectin domain family 5 member A [Source:HGNC Symbol;A	chr7:14162	NM_00130	XM_01701	.	.	NP_00128	XP_016867	protein_co	ENSG0000	23601	2054
CLEC6A	0	0	0	0	0	0	C-type lectin domain family 6 member A [Source:HGNC Symbol;A	chr12:8608	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	93978	14556
CLEC7A	0	0	0	0	0	0	C-type lectin domain family 7 member A [Source:HGNC Symbol;A	chr12:1026	NM_02257	XM_00525	.	.	NP_07209	XP_005253	protein_co	ENSG0000	64581	14558
CLEC9A	0	0	0	0	0	0	C-type lectin domain family 9 member A [Source:HGNC Symbol;A	chr12:1018	NM_20734	.	.	.	NP_99722	.	protein_co	ENSG0000	283420	26705
CLECL1	0	0	0	0	0	0	C-type lectin like 1 [Source:HGNC Symbol;Acc:HGNC:24462]	chr12:9871	NM_00125	XM_01152	.	.	NP_00124	XP_011518	protein_co	ENSG0000	160365	24462
CLGN	1.46022	1.31184	1.07627	1.70404	2.07067	3.46065	calmegin [Source:HGNC Symbol;Acc:HGNC:2060]	chr4:14130	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	1047	2060
CLHC1	1.16935	0.824486	1.13158	0.514614	1.45655	1.60015	clathrin heavy chain linker domain containing 1 [Source:HGNC Sy	chr2:55402	NM_00113	XM_01153	.	.	NP_00112	XP_005264	protein_co	ENSG0000	130162	26453
CLIC1	388.063	378.036	287.466	408.517	304.09	321.205	chloride intracellular channel 1 [Source:HGNC Symbol;Acc:HGNC:	chr6:31694	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	1192	2062
CLIC2	0.369048	0.247134	0.198094	0.032811	0.093035	0.081436	chloride intracellular channel 2 [Source:HGNC Symbol;Acc:HGNC:	chrX:15450	NM_00128	.	.	.	NP_00128	.	protein_co	ENSG0000	1193	2063
CLIC3	6.34299	3.71506	5.04987	3.7514	2.46183	3.65399	chloride intracellular channel 3 [Source:HGNC Symbol;Acc:HGNC:	chr9:13988	NM_00466	.	.	.	NP_00466	XP_016870	protein_co	ENSG0000	9022	2064
CLIC4	26.5743	28.0485	27.4593	23.0554	27.8408	62.4307	chloride intracellular channel 4 [Source:HGNC Symbol;Acc:HGNC:	chr1:25071	NM_01394	.	.	.	NP_03923	.	protein_co	ENSG0000	25932	13518
CLIC5	0.046724	0.098288	0.122158	0.367016	0.519668	0.388799	chloride intracellular channel 5 [Source:HGNC Symbol;Acc:HGNC:	chr6:45866	NM_00111	XM_01701	.	.	NP_00110	XP_016866	protein_co	ENSG0000	53405	13517
CLIC6	0	0	0	0	0	0	chloride intracellular channel 6 [Source:HGNC Symbol;Acc:HGNC:	chr21:3604	NM_00131	XM_01152	.	.	NP_00130	XP_011527	protein_co	ENSG0000	54102	2065
CLINT1	32.7341	34.455	32.6864	32.9628	34.4497	26.2065	clathrin interactor 1 [Source:HGNC Symbol;Acc:HGNC:23186]	chr5:15721	NM_00119	XM_01153	.	.	NP_00118	XP_011533	protein_co	ENSG0000	9685	23186
CLIP1	13.1306	12.9365	10.712	10.4785	12.1357	12.9986	CAP-Gly domain containing linker protein 1 [Source:HGNC Symbo	chr12:1227	NM_00124	XM_01701	.	.	NP_00123	XP_005253	protein_co	ENSG0000	6249	10461
CLIP2	8.68247	9.83982	11.8391	11.0495	10.1891	11.2859	CAP-Gly domain containing linker protein 2 [Source:HGNC Symbo	chr7:73703	NM_00338	.	.	.	NP_00337	.	protein_co	ENSG0000	7461	2586
CLIP3	0.191511	0.19023	0.423015	0.230249	0.194913	0.29928	CAP-Gly domain containing linker protein 3 [Source:HGNC Symbo	chr19:3650	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	25999	24314
CLIP4	6.70627	6.75394	6.90345	4.13267	4.02245	8.78927	CAP-Gly domain containing linker protein family member 4 [Sour	chr2:29320	NM_00128	XM_01700	.	.	NP_00127	XP_005264	protein_co	ENSG0000	79745	26108
CLK1	22.2866	18.3678	21.3514	15.1372	22.1741	23.4552	CDC like kinase 1 [Source:HGNC Symbol;Acc:HGNC:2068]	chr2:20171	NM_00116	.	NR_02785	.	NP_00115	.	protein_co	ENSG0000	1195	2068
CLK2	20.5872	20.0866	20.7078	17.7616	18.6097	18.4886	CDC like kinase 2 [Source:HGNC Symbol;Acc:HGNC:2069]	chr1:15523	NM_00129	XM_01150	.	.	NP_00128	XP_005244	protein_co	ENSG0000	1196	2069
CLK3	21.8852	23.2321	22.7875	21.8924	18.9204	16.6546	CDC like kinase 3 [Source:HGNC Symbol;Acc:HGNC:2071]	chr15:7490	NM_00113	XM_01152	.	.	NP_00112	XP_005254	protein_co	ENSG0000	1198	2071
CLK4	4.89755	3.93059	3.31157	3.09411	4.23411	3.6646	CDC like kinase 4 [Source:HGNC Symbol;Acc:HGNC:13659]	chr5:17802	NM_02066	XM_01153	.	.	NP_06571	XP_011532	protein_co	ENSG0000	57396	13659
CLLU1	0	0	0	0	0	0	chronic lymphocytic leukemia up-regulated 1 [Source:HGNC Sym	chr12:9281	NM_00102	.	NR_02793	.	NP_00102	.	protein_co	ENSG0000	574028	29841
CLLU1OS	0	0	0	0	0	0	chronic lymphocytic leukemia up-regulated 1 opposite strand [So	chr12:9281	NM_00102	XM_01153	.	.	NP_00102	XP_011536	protein_co	ENSG0000	574016	24070
CLMN	4.33511	3.7421	5.93635	1.68089	2.00973	3.26704	calmin [Source:HGNC Symbol;Acc:HGNC:19972]	chr14:9564	NM_02473	XM_01153	.	.	NP_07901	XP_011535	protein_co	ENSG0000	79789	19972
CLMP	0.713844	0.721113	0.60787	0.82098	0.74906	0.506464	CXADR like membrane protein [Source:HGNC Symbol;Acc:HGNC:2	chr11:1229	NM_02476	XM_01154	.	.	NP_07904	XP_011541	protein_co	ENSG0000	79827	24039
CLN3	18.9905	20.249	16.7368	19.6403	20.5162	12.0394	CLN3, battenin [Source:HGNC Symbol;Acc:HGNC:2074]	chr16:2848	NM_00008	.	.	.	NP_00007	.	protein_co	ENSG0000	1201	2074
CLN5	10.1893	10.1167	10.1967	9.52451	11.7859	10.9794	ceroid-lipofuscinosis, neuronal 5 [Source:HGNC Symbol;Acc:HGN	chr13:7756	NM_00649	XM_01153	.	.	NP_00648	XP_011533	protein_co	ENSG0000	1203	2076
CLN6	34.4305	34.8436	27.9992	36.432	34.1945	21.9158	ceroid-lipofuscinosis, neuronal 6, late infantile, variant [Source:H	chr15:6834	NM_01788	.	.	.	NP_06035	.	protein_co	ENSG0000	54982	2077
CLN8	8.43017	8.04682	11.3714	7.85208	11.2159	7.39184	ceroid-lipofuscinosis, neuronal 8 [Source:HGNC Symbol;Acc:HGN	chr8:17118	NM_01894	XM_01153	NR_03744	.	NP_06176	XP_005266	protein_co	ENSG0000	100500912	2079

CLNK	0.01709	0	0	0	0	0	cytokine dependent hematopoietic cell linker [Source:HGNC Sym	chr4:10488	NM_05296	XM_01151	.	.	NP_443196	XP_011512	protein_co	ENSG0000	116449	17438
CLNS1A	88.3322	77.2938	95.4936	77.2079	79.7156	85.653	chloride nucleotide-sensitive channel 1A [Source:HGNC Symbol;A	chr11:7732	NM_00129	.	.	.	NP_001284	.	protein_co	ENSG0000	1207	2080
CLOCK	6.92279	7.48725	9.49378	8.1257	11.3743	12.1253	clock circadian regulator [Source:HGNC Symbol;Acc:HGNC:2082]	chr4:56294	NM_00126	XM_01153	.	.	NP_001254	XP_005265	protein_co	ENSG0000	9575	2082
CLP1	17.6531	18.0844	21.2358	22.0526	19.3736	15.2749	cleavage and polyadenylation factor I subunit 1 [Source:HGNC Sy	chr11:5742	NM_00114	.	.	.	NP_001136	.	protein_co	ENSG0000	10978	16999
CLPB	10.5154	10.3113	9.83998	11.139	10.4312	9.02456	ClpB homolog, mitochondrial AAA ATPase chaperonin [Source:HG	chr11:7200	NM_00125	XM_01154	.	.	NP_001245	XP_005274	protein_co	ENSG0000	81570	30664
CLPP	64.8656	66.1941	56.2021	78.4027	60.4331	51.5828	caseinolytic mitochondrial matrix peptidase proteolytic subunit [S	chr19:6361	NM_00601	.	.	.	NP_006003	.	protein_co	ENSG0000	8192	2084
CLPS	0	0	0	0	0	0	colipase [Source:HGNC Symbol;Acc:HGNC:2085]	chr6:35762	NM_00125	.	.	.	NP_001239	.	protein_co	ENSG0000	1208	2085
CLPSL1	0	0	0	0	0	0	colipase like 1 [Source:HGNC Symbol;Acc:HGNC:21251]	chr6:35748	NM_00101	.	.	.	NP_001010	.	protein_co	ENSG0000	340204	21251
CLPSL2	0.486249	0	1.68075	0.346252	0	0.343308	colipase like 2 [Source:HGNC Symbol;Acc:HGNC:21250]	chr6:35744	NM_00128	.	NR_10446	.	NP_001273	.	protein_co	ENSG0000	389383	21250
CLPTM1	43.9869	47.2344	37.4121	52.2563	46.2137	35.6138	CLPTM1, transmembrane protein [Source:HGNC Symbol;Acc:HGN	chr19:4545	NM_00128	.	.	.	NP_001269	.	protein_co	ENSG0000	1209	2087
CLPTM1L	65.5935	69.311	54.044	71.3048	66.9208	54.7388	CLPTM1 like [Source:HGNC Symbol;Acc:HGNC:24308]	chr5:13178	NM_03078	XM_01151	.	.	NP_110409	XP_011512	protein_co	ENSG0000	81037	24308
CLPX	17.459	18.819	17.2227	16.0945	17.6544	17.6084	caseinolytic mitochondrial matrix peptidase chaperone subunit [S	chr15:6544	NM_00666	XM_01152	.	.	NP_006651	XP_011519	protein_co	ENSG0000	10845	2088
CLRN1	0	0	0	0	0	0	clarin 1 [Source:HGNC Symbol;Acc:HGNC:12605]	chr3:15064	NM_00119	.	.	.	NP_001182	.	protein_co	ENSG0000	7401	12605
CLRN2	0	0	0	0	0	0	clarin 2 [Source:HGNC Symbol;Acc:HGNC:33939]	chr4:17516	NM_00107	.	.	.	NP_001073	.	protein_co	ENSG0000	645104	33939
CLRN3	0	0.087035	0.143578	0	0.091671	0.24717	clarin 3 [Source:HGNC Symbol;Acc:HGNC:20795]	chr10:1296	NM_15231	.	.	.	NP_689524	.	protein_co	ENSG0000	119467	20795
CLSPN	9.15329	10.2081	8.54635	10.6809	11.7115	9.37258	claspin [Source:HGNC Symbol;Acc:HGNC:19715]	chr1:36185	NM_00119	XM_01154	.	.	NP_001177	XP_011540	protein_co	ENSG0000	63967	19715
CLSTN1	40.5859	42.2959	40.989	41.9892	38.9575	38.7748	calsyntenin 1 [Source:HGNC Symbol;Acc:HGNC:17447]	chr1:97117	NM_00100	.	.	.	NP_001009	.	protein_co	ENSG0000	22883	17447
CLSTN2	0.047842	0.054958	0.079097	0.293369	0.35505	0.317509	calsyntenin 2 [Source:HGNC Symbol;Acc:HGNC:17448]	chr3:13965	NM_02213	XM_01700	.	.	NP_071414	XP_016862	protein_co	ENSG0000	64084	17448
CLSTN3	7.76154	7.63703	9.32071	7.3583	7.87034	8.2913	calsyntenin 3 [Source:HGNC Symbol;Acc:HGNC:18371]	chr12:7282	NM_01471	XM_00671	.	.	NP_055533	XP_006719	protein_co	ENSG0000	9746	18371
CLTA	110.422	109.434	106.301	155.309	124.34	107.045	clathrin light chain A [Source:HGNC Symbol;Acc:HGNC:2090]	chr9:36190	NM_00107	.	.	.	NP_001070	.	protein_co	ENSG0000	1211	2090
CLTB	42.9747	39.4527	36.9983	49.3682	38.5972	31.2265	clathrin light chain B [Source:HGNC Symbol;Acc:HGNC:2091]	chr5:17581	NM_00183	.	.	.	NP_001825	XP_016864	protein_co	ENSG0000	1212	2091
CLTC	161.291	168.287	173.652	179.042	198.186	191.816	clathrin heavy chain [Source:HGNC Symbol;Acc:HGNC:2092]	chr17:5769	NM_00128	XM_01152	.	.	NP_001275	XP_005257	protein_co	ENSG0000	1213	2092
CLTCL1	1.38031	1.50188	1.85288	1.38585	1.57749	1.6272	clathrin heavy chain like 1 [Source:HGNC Symbol;Acc:HGNC:2093	chr22:1916	NM_00183	XM_01153	.	.	NP_001826	XP_016884	protein_co	ENSG0000	8218	2093
CLU	66.6889	68.9478	49.0764	77.3355	65.272	45.4339	clusterin [Source:HGNC Symbol;Acc:HGNC:2095]	chr8:27454	NM_00183	XM_00671	NR_10690	.	NP_001822	XP_006716	protein_co	ENSG0000	102465508	2095
CLUAP1	12.1353	9.8302	7.79623	10.4619	9.11318	9.50594	clusterin associated protein 1 [Source:HGNC Symbol;Acc:HGNC:1	chr16:3550	NM_01504	XM_00672	.	.	NP_055856	XP_006720	protein_co	ENSG0000	23059	19009
CLUH	40.7795	41.924	42.4682	47.2132	42.6003	29.4065	clustered mitochondria homolog [Source:HGNC Symbol;Acc:HGN	chr17:2592	NM_01522	XM_01152	.	.	NP_056044	XP_011522	protein_co	ENSG0000	23277	29094
CLUL1	0.432358	0.290734	0.271238	0.329247	0.23924	0.288246	clusterin like 1 [Source:HGNC Symbol;Acc:HGNC:2096]	chr18:5969	NM_00128	XM_01152	.	.	NP_001275	XP_005258	protein_co	ENSG0000	27098	2096
CLVS1	0	0	0.023383	0.030511	0	0	clavesin 1 [Source:HGNC Symbol;Acc:HGNC:23139]	chr8:62200	NM_17351	XM_01701	.	.	NP_775790	XP_011515	protein_co	ENSG0000	157807	23139
CLVS2	0	0	0	0	0	0	clavesin 2 [Source:HGNC Symbol;Acc:HGNC:23046]	chr6:12331	NM_00101	.	.	.	NP_001010	XP_016865	protein_co	ENSG0000	134829	23046
CLYBL	8.71548	9.69283	14.3881	8.88903	7.48526	11.6035	citrate lyase beta like [Source:HGNC Symbol;Acc:HGNC:18355]	chr13:1002	NM_20680	XM_01152	.	.	NP_996531	XP_005254	protein_co	ENSG0000	171425	18355
CMA1	0	0	0	0	0	0	chymase 1 [Source:HGNC Symbol;Acc:HGNC:2097]	chr14:2497	NM_00130	XM_01153	.	.	NP_001295	XP_011534	protein_co	ENSG0000	1215	2097
CMAS	22.7887	26.0591	25.6377	21.6852	23.0453	25.9349	cytidine monophosphate N-acetylneuraminic acid synthetase [So	chr12:2219	NM_01868	.	.	.	NP_061156	.	protein_co	ENSG0000	55907	18290
CMBL	36.2761	36.6902	40.4679	42.797	40.0208	31.3943	carboxymethylenebutenolidase homolog [Source:HGNC Symbol;A	chr5:10279	NM_13880	.	.	.	NP_620164	XP_016864	protein_co	ENSG0000	134147	25090
CMC1	28.1194	24.3736	35.0897	34.8245	35.0923	38.0523	C-X9-C motif containing 1 [Source:HGNC Symbol;Acc:HGNC:2878	chr3:28283	NM_18252	.	.	.	NP_872329	.	protein_co	ENSG0000	152100	28783
CMC2	77.4004	67.2641	77.3457	99.644	89.7638	94.2479	C-X9-C motif containing 2 [Source:HGNC Symbol;Acc:HGNC:2444	chr16:8100	NM_02018	.	.	.	NP_064573	XP_016878	protein_co	ENSG0000	56942	24447
CMC4	11.0855	8.16518	10.1085	10.0572	10.7179	8.52481	C-X9-C motif containing 4 [Source:HGNC Symbol;Acc:HGNC:3542	chrX:15428	NM_00101	.	.	.	NP_001018	.	protein_co	ENSG0000	100272147	35428
CMIP	10.7358	11.5729	12.9298	10.0602	9.23552	10.3594	c-Maf inducing protein [Source:HGNC Symbol;Acc:HGNC:24319]	chr16:8147	NM_03062	XM_01152	.	.	NP_085132	XP_005256	protein_co	ENSG0000	80790	24319
CMKLR1	0	0	0.011216	0	0.042827	0.013326	chemerin chemokine-like receptor 1 [Source:HGNC Symbol;Acc:H	chr12:1086	NM_00114	XM_01701	.	.	NP_001135	XP_016874	protein_co	ENSG0000	1240	2121
CMPK1	38.2008	40.5084	40.2107	41.6938	44.8535	42.7896	cytidine/uridine monophosphate kinase 1 [Source:HGNC Symbol;	chr1:47799	NM_00113	.	.	.	NP_001129	.	protein_co	ENSG0000	51727	18170
CMPK2	1.67093	1.73423	0.69435	1.37552	1.35337	1.31868	cytidine/uridine monophosphate kinase 2 [Source:HGNC Symbol;	chr2:69807	NM_00125	.	NR_04623	.	NP_001243	.	protein_co	ENSG0000	129607	27015
CMSS1	28.9326	28.7567	24.6321	35.5559	31.1699	28.6935	cms1 ribosomal small subunit homolog (yeast) [Source:HGNC Syn	chr3:99536	NM_00116	.	.	.	NP_001161	.	protein_co	ENSG0000	84319	28666
CMTM1	1.49556	2.18759	1.34837	1.57707	1.0289	1.5424	CKLF like MARVEL transmembrane domain containing 1 [Source:H	chr16:6658	NM_05299	.	.	.	NP_443725	.	protein_co	ENSG0000	113540	19172
CMTM2	0.166202	0	0.07278	0.247366	0.09645	0	CKLF like MARVEL transmembrane domain containing 2 [Source:H	chr16:6661	NM_00119	.	.	.	NP_001186	.	protein_co	ENSG0000	146225	19173
CMTM3	17.52	21.2622	14.7736	19.8605	17.8553	14.594	CKLF like MARVEL transmembrane domain containing 3 [Source:H	chr16:6663	NM_14460	XM_01152	.	.	NP_653202	XP_006721	protein_co	ENSG0000	123920	19174
CMTM4	37.2181	37.8809	40.5823	32.535	36.1007	42.4421	CKLF like MARVEL transmembrane domain containing 4 [Source:H	chr16:6664	NM_17881	XM_01152	.	.	NP_848933	XP_011521	protein_co	ENSG0000	146223	19175
CMTM5	0	0	0	0	0	0	CKLF like MARVEL transmembrane domain containing 5 [Source:H	chr14:2384	NM_00103	.	.	.	NP_001032	XP_016876	protein_co	ENSG0000	116173	19176
CMTM6	38.3334	37.8393	56.334	38.0187	47.6251	56.8633	CKLF like MARVEL transmembrane domain containing 6 [Source:H	chr3:32522	NM_01780	.	.	.	NP_060271	.	protein_co	ENSG0000	54918	19177
CMTM7	48.4946	45.4128	70.0861	43.8886	37.8637	38.1487	CKLF like MARVEL transmembrane domain containing 7 [Source:H	chr3:32433	NM_13841	.	.	.	NP_612419	XP_011531	protein_co	ENSG0000	112616	19178
CMTM8	19.1494	22.9577	16.8427	23.0784	20.4597	20.9271	CKLF like MARVEL transmembrane domain containing 8 [Source:H	chr3:32280	NM_00132	XM_01153	.	.	NP_001307	XP_011531	protein_co	ENSG0000	152189	19179
CMTR1	12.0283	11.0769	11.2625	10.637	9.43978	8.26555	cap methyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:21077]	chr6:37400	NM_01505	XM_00671	.	.	NP_055865	XP_005249	protein_co	ENSG0000	23070	21077
CMTR2	10.9226	10.5641	12.3567	9.75689	12.0174	13.6829	cap methyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:25635]	chr16:7131	NM_00109	XM_01152	.	.	NP_001093	XP_005256	protein_co	ENSG0000	55783	25635
CMYA5	0.11054	0.145624	0.166882	0.055031	0.088445	0.110025	cardiomyopathy associated 5 [Source:HGNC Symbol;Acc:HGNC:14	chr5:78985	NM_15361	XM_01700	.	.	NP_705838	XP_016864	protein_co	ENSG0000	202333	14305
CNBD1	0	0	0	0	0	0	cyclic nucleotide binding domain containing 1 [Source:HGNC Sym	chr8:87878	NM_17353	.	.	.	NP_775809	XP_016868	protein_co	ENSG0000	168975	26663
CNBD2	0.155773	0.071277	0.060173	0.064364	0.149697	0.065153	cyclic nucleotide binding domain containing 2 [Source:HGNC Sym	chr20:3455	NM_00120	XM_01152	.	.	NP_001194	XP_005260	protein_co	ENSG0000	140894	16145
CNBP	285.601	273.545	256.987	320.365	352.208	339.048	CCHC-type zinc finger nucleic acid binding protein [Source:HGNC	chr3:12888	NM_00112	.	.	.	NP_001120	.	protein_co	ENSG0000	7555	13164
CNDP1	0.131114	0.033841	0.028441	0	0	0.033633	carnosine dipeptidase 1 [Source:HGNC Symbol;Acc:HGNC:20675]	chr18:7220	NM_03264	.	.	.	NP_116038	.	protein_co	ENSG0000	84735	20675
CNDP2	37.3259	38.0723	32.3219	40.9825	36.0095	30.5698	CNDP dipeptidase 2 (metallopeptidase M20 family) [Source:HGN	chr18:7216	NM_00116	XM_01152	.	.	NP_001161	XP_005266	protein_co	ENSG0000	55748	24437
CNEP1R1	8.92041	7.83681	7.11484	6.70706	8.52337	9.78364	CTD nuclear envelope phosphatase 1 regulatory subunit 1 [Sourc	chr16:5005	NM_00128	.	.	.	NP_001268	.	protein_co	ENSG0000	255919	26759
CNFN	22.3167	18.0179	27.3247	20.084	13.0451	19.0439	cornifelin [Source:HGNC Symbol;Acc:HGNC:30183]	chr19:4289	NM_03248	XM_01152	.	.	NP_115877	XP_005259	protein_co	ENSG0000	84518	30183

CNGA1	0.119578	0.195416	0.63025	0.256208	0.369482	0.395888	cyclic nucleotide gated channel alpha 1 [Source:HGNC Symbol;Ac	chr4:47937	NM_00008	XM_01700	.	.	NP_00007	XP_005248	protein_co	ENSG0000	1259	2148
CNGA2	0	0	0	0	0	0	cyclic nucleotide gated channel alpha 2 [Source:HGNC Symbol;Ac	chrX:15090	NM_00514	.	.	.	NP_00513	.	protein_co	ENSG0000	1260	2149
CNGA3	0	0	0	0	0	0	cyclic nucleotide gated channel alpha 3 [Source:HGNC Symbol;Ac	chr2:98962	NM_00107	XM_01151	.	.	NP_00107	XP_006712	protein_co	ENSG0000	1261	2150
CNGA4	0.153962	0.080155	0.16564	0.041603	0.044439	0.124465	cyclic nucleotide gated channel alpha 4 [Source:HGNC Symbol;Ac	chr11:6255	NM_00103	.	.	.	NP_00103	XP_016872	protein_co	ENSG0000	1262	2152
CNGB1	0.011461	0.029252	0.029965	0.037263	0.052844	0	cyclic nucleotide gated channel beta 1 [Source:HGNC Symbol;Acc	chr16:5791	NM_00113	XM_00672	.	.	NP_00112	XP_006721	protein_co	ENSG0000	1258	2151
CNGB3	0	0	0	0	0	0	cyclic nucleotide gated channel beta 3 [Source:HGNC Symbol;Acc	chr8:87586	NM_01909	XM_01151	.	.	NP_06197	XP_011515	protein_co	ENSG0000	54714	2153
CNIH1	112.667	113.012	100.771	123.465	130.24	136.427	cornichon family AMPA receptor auxiliary protein 1 [Source:HGN	chr14:5489	NM_00577	.	.	.	NP_00576	.	protein_co	ENSG0000	10175	19431
CNIH2	0.167087	0.327558	0.569935	0.712825	0.775363	0.741327	cornichon family AMPA receptor auxiliary protein 2 [Source:HGN	chr11:6604	NM_18255	.	.	.	NP_87235	.	protein_co	ENSG0000	254263	28744
CNIH3	0.141943	0.036142	0.060732	0.038771	0.120763	0.073818	cornichon family AMPA receptor auxiliary protein 3 [Source:HGN	chr1:22480	NM_15249	.	.	.	NP_00130	.	protein_co	ENSG0000	149111	26802
CNIH4	22.0436	19.3294	19.5437	22.4778	26.8406	27.0332	cornichon family AMPA receptor auxiliary protein 4 [Source:HGN	chr1:22454	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	29097	25013
CNKSR1	9.52518	9.68957	8.04088	9.1445	7.79888	6.79826	connector enhancer of kinase suppressor of Ras 1 [Source:HGNC	chr1:26503	NM_00129	XM_01154	.	.	NP_00128	XP_006710	protein_co	ENSG0000	10256	19700
CNKSR2	0	0	0	0	0	0	connector enhancer of kinase suppressor of Ras 2 [Source:HGNC	chrX:21392	NM_00116	XM_01154	.	.	NP_00116	XP_011543	protein_co	ENSG0000	22866	19701
CNKSR3	4.6873	5.40731	4.43331	5.89845	4.51316	5.19794	CNKSR family member 3 [Source:HGNC Symbol;Acc:HGNC:23034]	chr6:15470	NM_17351	XM_01153	.	.	NP_77578	XP_011533	protein_co	ENSG0000	154043	23034
CNN1	0	0.042194	0	0.13727	0.049763	0	calponin 1 [Source:HGNC Symbol;Acc:HGNC:2155]	chr19:1164	NM_00129	XM_01152	.	.	NP_00129	XP_005259	protein_co	ENSG0000	1264	2155
CNN2	93.5051	91.1528	92.3932	112.927	94.9496	100.22	calponin 2 [Source:HGNC Symbol;Acc:HGNC:2156]	chr19:1026	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	1265	2156
CNN3	61.9833	61.9352	72.946	94.2985	88.0028	92.1659	calponin 3 [Source:HGNC Symbol;Acc:HGNC:2157]	chr1:95362	NM_00128	.	.	.	NP_00127	XP_016855	protein_co	ENSG0000	1266	2157
CNNM1	0	0	0	0	0	0	cyclin and CBS domain divalent metal cation transport mediator 1	chr10:1010	NM_02034	XM_01153	.	.	NP_06508	XP_005269	protein_co	ENSG0000	26507	102
CNNM2	6.20948	6.20965	7.99874	5.68163	6.12149	7.58616	cyclin and CBS domain divalent metal cation transport mediator 2	chr10:1046	NM_01764	.	.	.	NP_06011	XP_005269	protein_co	ENSG0000	54805	103
CNNM3	12.0831	11.9872	12.4223	9.50956	10.8535	8.38084	cyclin and CBS domain divalent metal cation transport mediator 3	chr2:97481	NM_01762	.	.	.	NP_06009	XP_011509	protein_co	ENSG0000	26505	104
CNNM4	4.1261	4.18783	3.92538	3.56535	3.97964	4.67036	cyclin and CBS domain divalent metal cation transport mediator 4	chr2:97426	NM_02018	XM_00526	.	.	NP_06456	XP_005263	protein_co	ENSG0000	26504	105
CNOT1	48.9073	47.7748	48.982	50.3151	52.4942	63.1947	CCR4-NOT transcription complex subunit 1 [Source:HGNC Symbol	chr16:5854	NM_00126	.	.	.	NP_00125	.	protein_co	ENSG0000	23019	7877
CNOT10	22.2107	19.516	19.4309	22.8828	25.2376	23.5891	CCR4-NOT transcription complex subunit 10 [Source:HGNC Symb	chr3:32726	NM_00125	XM_01700	.	.	NP_00124	XP_006713	protein_co	ENSG0000	25904	23817
CNOT11	38.2822	37.1401	43.0162	39.7234	40.3079	38.1986	CCR4-NOT transcription complex subunit 11 [Source:HGNC Symb	chr2:10186	NM_01754	.	.	.	NP_06001	.	protein_co	ENSG0000	55571	25217
CNOT2	19.5343	17.8088	19.194	15.3355	17.8437	21.1579	CCR4-NOT transcription complex subunit 2 [Source:HGNC Symbol	chr12:7063	NM_00119	XM_01153	.	.	NP_00118	XP_006719	protein_co	ENSG0000	4848	7878
CNOT3	19.4821	19.6225	16.578	22.1482	19.6184	17.5396	CCR4-NOT transcription complex subunit 3 [Source:HGNC Symbol	chr19:5464	NM_01451	XM_01152	.	.	NP_05533	XP_005278	protein_co	ENSG0000	4849	7879
CNOT4	8.13454	8.76626	6.4942	8.92416	8.52204	7.39835	CCR4-NOT transcription complex subunit 4 [Source:HGNC Symbol	chr7:13504	NM_00100	XM_01701	.	.	NP_00100	XP_011514	protein_co	ENSG0000	4850	7880
CNOT6	21.1974	21.8815	20.9445	16.6309	20.2077	29.513	CCR4-NOT transcription complex subunit 6 [Source:HGNC Symbol	chr5:17992	NM_00130	XM_01700	.	.	NP_00129	XP_005266	protein_co	ENSG0000	57472	14099
CNOT6L	3.93102	4.07959	4.41363	3.63852	4.65882	5.05235	CCR4-NOT transcription complex subunit 6 like [Source:HGNC Syr	chr4:78634	NM_00128	XM_01700	.	.	NP_00127	XP_011530	protein_co	ENSG0000	246175	18042
CNOT7	35.5883	36.9903	36.6244	43.4202	48.412	50.7329	CCR4-NOT transcription complex subunit 7 [Source:HGNC Symbol	chr8:17082	NM_01335	XM_01154	.	.	NP_00130	XP_005273	protein_co	ENSG0000	29883	14101
CNOT8	26.6316	25.7389	27.1017	23.2842	29.1722	32.2585	CCR4-NOT transcription complex subunit 8 [Source:HGNC Symbol	chr5:15419	NM_00130	XM_01701	.	.	NP_00128	XP_005268	protein_co	ENSG0000	9337	9207
CNOT9	46.4253	43.2311	37.9044	46.6084	44.6907	43.1371	CCR4-NOT transcription complex subunit 9 [Source:HGNC Symbol	chr2:21943	NM_00127	XM_01151	.	.	NP_00125	XP_011510	protein_co	ENSG0000	9125	10445
CNP	40.5789	39.0853	40.7776	47.7669	44.0063	35.7812	2',3'-cyclic nucleotide 3' phosphodiesterase [Source:HGNC Symbo	chr17:4011	NM_03313	XM_01152	.	.	NP_14912	XP_006721	protein_co	ENSG0000	1267	2158
CNPPD1	33.6493	34.4513	32.1504	20.0537	18.8436	21.994	cyclin Pas1/PHO80 domain containing 1 [Source:HGNC Symbol;Ac	chr2:22003	NM_00132	XM_00671	.	.	NP_00130	XP_005246	protein_co	ENSG0000	27013	25220
CNPY1	0	0	0.046253	0.060518	0	0.051589	canopy FGF signaling regulator 1 [Source:HGNC Symbol;Acc:HGN	chr7:15526	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	285888	27786
CNPY2	75.8333	74.4443	53.9758	111.101	83.6934	59.8521	canopy FGF signaling regulator 2 [Source:HGNC Symbol;Acc:HGN	chr12:5666	NM_01425	.	.	.	NP_05507	.	protein_co	ENSG0000	10330	13529
CNPY3	41.5817	39.0519	28.153	44.5929	35.5963	30.0928	canopy FGF signaling regulator 3 [Source:HGNC Symbol;Acc:HGN	chr6:42896	NM_00658	XM_00524	.	.	NP_00657	.	protein_co	ENSG0000	10695	11968
CNPY4	2.46178	2.02945	1.99491	1.6725	1.09972	0.489786	canopy FGF signaling regulator 4 [Source:HGNC Symbol;Acc:HGN	chr7:99690	NM_15275	.	.	.	NP_68996	.	protein_co	ENSG0000	245812	28631
CNR1	0	0	0	0	0	0	cannabinoid receptor 1 [Source:HGNC Symbol;Acc:HGNC:2159]	chr6:88849	NM_00116	XM_01701	.	.	NP_00115	XP_005248	protein_co	ENSG0000	1268	2159
CNR2	0.014413	0.015071	0	0.080391	0.032265	0.088245	cannabinoid receptor 2 [Source:HGNC Symbol;Acc:HGNC:2160]	chr1:24197	NM_00184	XM_01154	.	.	NP_00183	XP_005245	protein_co	ENSG0000	1269	2160
CNRIP1	0	0	0	0	0	0	cannabinoid receptor interacting protein 1 [Source:HGNC Symbol	chr2:68511	NM_00111	XM_00671	.	.	NP_00110	XP_005264	protein_co	ENSG0000	25927	24546
CNST	5.22429	6.41794	6.27225	5.06071	5.67386	5.83232	consortin, connexin sorting protein [Source:HGNC Symbol;Acc:HG	chr1:24672	NM_00113	XM_01154	.	.	NP_00113	XP_005273	protein_co	ENSG0000	163882	26486
CNTD1	0.062319	0	0	0	0	0.033644	cyclin N-terminal domain containing 1 [Source:HGNC Symbol;Acc	chr17:4095	NM_17347	XM_01152	.	.	NP_77574	XP_005257	protein_co	ENSG0000	124817	26847
CNTD2	10.4323	11.2139	2.70804	11.3137	6.78388	5.55709	cyclin N-terminal domain containing 2 [Source:HGNC Symbol;Acc	chr19:4072	NM_02487	.	.	.	NP_07915	.	protein_co	ENSG0000	79935	25805
CNTF	1.33614	1.46013	1.28015	0.831387	1.49119	0.873012	ciliary neurotrophic factor [Source:HGNC Symbol;Acc:HGNC:2169	chr11:5839	NM_00061	.	.	.	NP_00060	.	protein_co	ENSG0000	1270	2169
CNTFR	0	0	0	0	0.055431	0.053286	ciliary neurotrophic factor receptor [Source:HGNC Symbol;Acc:HG	chr9:34551	NM_00120	XM_01701	.	.	NP_00119	XP_016869	protein_co	ENSG0000	1271	2170
CNTLN	1.44424	1.16847	1.37147	0.953556	1.64172	1.88898	centlein [Source:HGNC Symbol;Acc:HGNC:23432]	chr9:17134	NM_00111	XM_01151	.	.	NP_00110	XP_005251	protein_co	ENSG0000	54875	23432
CNTN1	0.683722	0.967149	1.68081	0.705922	0.847759	1.3555	contactin 1 [Source:HGNC Symbol;Acc:HGNC:2171]	chr12:4108	NM_00125	XM_01153	.	.	NP_00124	XP_005268	protein_co	ENSG0000	1272	2171
CNTN2	0.017245	0.034865	0.007472	0.018788	0.009867	0.018426	contactin 2 [Source:HGNC Symbol;Acc:HGNC:2172]	chr1:20501	NM_00507	XM_01150	.	.	NP_00506	.	protein_co	ENSG0000	6900	2172
CNTN3	0	0	0	0	0	0	contactin 3 [Source:HGNC Symbol;Acc:HGNC:2173]	chr3:74311	NM_02087	XM_01700	.	.	NP_06592	XP_005264	protein_co	ENSG0000	5067	2173
CNTN4	0	0	0	0	0	0	contactin 4 [Source:HGNC Symbol;Acc:HGNC:2174]	chr3:21406	NM_00120	XM_01153	.	.	NP_00119	XP_006713	protein_co	ENSG0000	152330	2174
CNTN5	0	0	0	0	0	0	contactin 5 [Source:HGNC Symbol;Acc:HGNC:2175]	chr11:9889	NM_00124	XM_01701	.	.	NP_00123	XP_011541	protein_co	ENSG0000	53942	2175
CNTN6	0	0	0	0	0	0	contactin 6 [Source:HGNC Symbol;Acc:HGNC:2176]	chr3:11342	NM_00128	XM_01153	.	.	NP_00127	XP_005265	protein_co	ENSG0000	27255	2176
CNTNAP1	6.94445	6.68868	6.27019	3.28212	2.84895	2.25772	contactin associated protein 1 [Source:HGNC Symbol;Acc:HGNC:8	chr17:4083	NM_00363	XM_00525	.	.	NP_00362	XP_005257	protein_co	ENSG0000	8506	8011
CNTNAP2	0.190106	0.289909	0.282588	0.773248	1.0865	0.840151	contactin associated protein-like 2 [Source:HGNC Symbol;Acc:HG	chr7:14581	NM_01414	.	.	.	NP_05486	.	protein_co	ENSG0000	26047	13830
CNTNAP3	1.45811	1.347	2.98355	0.86478	0.976335	1.3816	contactin associated protein-like 3 [Source:HGNC Symbol;Acc:HG	chr9:39072	NM_03365	XM_01151	.	.	NP_38750	.	protein_co	ENSG0000	79937	13834
CNTNAP3B	1.35818	1.00533	2.27598	0.72818	1.03455	1.03309	contactin associated protein-like 3B [Source:HGNC Symbol;Acc:H	chr9:43684	NM_00120	XM_01151	.	.	NP_00118	XP_011543	protein_co	ENSG0000	100289279	32035
CNTNAP4	0	0	0	0	0	0	contactin associated protein like 4 [Source:HGNC Symbol;Acc:HG	chr16:7631	NM_03340	XM_01152	.	.	NP_00130	XP_011521	protein_co	ENSG0000	85445	18747
CNTNAP5	0	0	0	0	0	0	contactin associated protein like 5 [Source:HGNC Symbol;Acc:HG	chr2:12478	NM_13077	XM_00671	.	.	NP_57012	XP_006712	protein_co	ENSG0000	129684	18748
CNTRL	3.22219	2.7084	3.26144	3.63332	4.96502	5.26588	centriolin [Source:HGNC Symbol;Acc:HGNC:1858]	chr9:12383	NM_00701	XM_01701	.	.	NP_00894	XP_005251	protein_co	ENSG0000	11064	1858

CNTROB	14.5545	14.2844	13.4956	18.1275	15.497	12.97	centrobin, centriole duplication and spindle assembly protein [So	chr17:7835	NM_00103	XM_01702	.	.	NP_00103	XP_005256	protein_co	ENSG0000	116840	29616
COA1	59.5138	61.2147	50.9492	69.6179	49.2859	50.9373	cytochrome c oxidase assembly factor 1 homolog [Source:HGNC S	chr7:43678	NM_00132	XM_01701	.	.	NP_00130	XP_005249	protein_co	ENSG0000	55744	21868
COA3	49.9662	45.8081	40.0614	50.0429	38.8033	24.5321	cytochrome c oxidase assembly factor 3 [Source:HGNC Symbol;Ac	chr17:4094	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	28958	24990
COA4	77.9918	77.1195	62.1229	103.704	85.2695	66.144	cytochrome c oxidase assembly factor 4 homolog [Source:HGNC S	chr11:7358	NM_01656	.	.	.	NP_05764	XP_016873	protein_co	ENSG0000	51287	24604
COA5	13.4774	14.7225	11.5	15.5972	13.8509	13.3862	cytochrome c oxidase assembly factor 5 [Source:HGNC Symbol;Ac	chr2:99215	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	493753	33848
COA6	29.3137	26.2483	23.3369	29.2899	25.4607	25.0044	cytochrome c oxidase assembly factor 6 [Source:HGNC Symbol;Ac	chr1:23450	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	388753	18025
COA7	18.7358	18.141	17.5011	17.6688	20.1434	14.5812	cytochrome c oxidase assembly factor 7 (putative) [Source:HGNC	chr1:53150	NM_02307	.	.	.	NP_07556	.	protein_co	ENSG0000	65260	25716
COASY	46.546	47.284	46.6148	34.3202	31.9306	31.7807	Coenzyme A synthase [Source:HGNC Symbol;Acc:HGNC:29932]	chr17:4071	NM_00104	XM_01152	.	.	NP_00103	XP_006722	protein_co	ENSG0000	80347	29932
COBL	6.48098	6.65963	9.4802	6.33185	6.31683	6.51351	cordon-bleu WH2 repeat protein [Source:HGNC Symbol;Acc:HGN	chr7:51083	NM_00128	XM_01701	.	.	NP_00127	XP_005271	protein_co	ENSG0000	23242	22199
COBLL1	1.41133	1.57366	1.68112	1.20158	1.19828	2.08552	cordon-bleu WH2 repeat protein like 1 [Source:HGNC Symbol;Acc	chr2:16553	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	22837	23571
COCH	3.7188	4.02221	3.91006	7.44532	8.31316	6.76091	cochlin [Source:HGNC Symbol;Acc:HGNC:2180]	chr14:3134	NM_00113	XM_01153	.	.	NP_00112	XP_011534	protein_co	ENSG0000	1690	2180
COG1	16.849	16.8915	14.6589	14.0894	11.8066	11.5794	component of oligomeric golgi complex 1 [Source:HGNC Symbol;	chr17:7118	NM_01871	.	.	.	NP_06118	.	protein_co	ENSG0000	9382	6545
COG2	14.3702	14.1034	15.5924	16.1935	14.7427	14.9416	component of oligomeric golgi complex 2 [Source:HGNC Symbol;	chr1:23077	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	22796	6546
COG3	8.69667	8.87126	8.74148	7.42655	8.69525	8.80815	component of oligomeric golgi complex 3 [Source:HGNC Symbol;	chr13:4603	NM_03143	XM_01153	.	.	NP_11361	XP_011533	protein_co	ENSG0000	83548	18619
COG4	17.3643	17.1255	17.9494	22.3217	18.3065	19.7082	component of oligomeric golgi complex 4 [Source:HGNC Symbol;	chr16:7051	NM_00119	XM_01152	.	.	NP_00118	XP_011521	protein_co	ENSG0000	25839	18620
COG5	8.01755	8.63666	10.1868	7.74827	8.60174	12.903	component of oligomeric golgi complex 5 [Source:HGNC Symbol;	chr7:10680	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	10466	14857
COG6	7.62704	8.35245	8.84891	6.65155	7.35223	9.36791	component of oligomeric golgi complex 6 [Source:HGNC Symbol;	chr13:4022	NM_00114	XM_01153	.	.	NP_00113	XP_011533	protein_co	ENSG0000	57511	18621
COG7	5.67378	6.3143	6.60434	6.48257	5.12006	6.64853	component of oligomeric golgi complex 7 [Source:HGNC Symbol;	chr16:2339	NM_15360	.	.	.	NP_70583	XP_016879	protein_co	ENSG0000	91949	18622
COG8	19.8617	22.3289	22.3232	23.2188	22.2689	20.867	component of oligomeric golgi complex 8 [Source:HGNC Symbol;	chr16:6936	.	.	.	.	.	.	protein_co	ENSG0000	.	18623
COIL	23.6461	24.8298	21.6107	25.2471	23.1357	20.6601	coilin [Source:HGNC Symbol;Acc:HGNC:2184]	chr17:5501	NM_00464	.	.	.	NP_00463	.	protein_co	ENSG0000	8161	2184
COL10A1	0	0	0	0	0	0	collagen type X alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:21	chr6:11642	NM_00049	XM_01153	.	.	NP_00048	XP_006715	protein_co	ENSG0000	1300	2185
COL11A1	0	0	0.017137	0	0	0.010264	collagen type XI alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2	chr1:10334	NM_00119	XM_01154	.	.	NP_00117	.	protein_co	ENSG0000	1301	2186
COL11A2	1.39397	1.43658	1.78763	1.0259	0.963527	1.32069	collagen type XI alpha 2 chain [Source:HGNC Symbol;Acc:HGNC:2	chr6:33130	NM_00116	XM_01701	.	.	NP_00115	XP_011512	protein_co	ENSG0000	1302	2187
COL12A1	6.78897	8.01115	9.92928	4.59601	5.0326	5.36152	collagen type XII alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2	chr6:75794	NM_00437	XM_01153	.	.	NP_00436	XP_011533	protein_co	ENSG0000	1303	2188
COL13A1	1.17373	1.02308	2.89534	0.653427	1.16327	1.58593	collagen type XIII alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:	chr10:7156	NM_00113	XM_01153	.	.	NP_00112	XP_011537	protein_co	ENSG0000	1305	2190
COL14A1	0.018788	0.019509	0.016447	0.011048	0.123524	0.077469	collagen type XIV alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:	chr8:12111	NM_02111	XM_00671	.	.	NP_06693	XP_005251	protein_co	ENSG0000	7373	2191
COL15A1	0.01247	0.025166	0.021765	0.013596	0.014242	0.053095	collagen type XV alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2	chr9:10170	NM_00185	XM_01151	.	.	NP_00184	XP_011516	protein_co	ENSG0000	1306	2192
COL16A1	0.537656	0.392648	0.694322	0.471884	0.458112	0.348245	collagen type XVI alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:	chr1:32117	NM_00185	XM_01154	.	.	NP_00184	XP_005270	protein_co	ENSG0000	1307	2193
COL17A1	0.755527	0.720655	0.881647	2.20734	2.57054	1.29466	collagen type XVII alpha 1 chain [Source:HGNC Symbol;Acc:HGNC	chr10:1057	NM_00049	.	NR_03076	.	NP_00048	.	protein_co	ENSG0000	10012632	2194
COL18A1	21.104	21.7307	32.3009	19.7457	18.8052	21.3006	collagen type XVIII alpha 1 chain [Source:HGNC Symbol;Acc:HGN	chr21:4682	NM_03058	.	.	.	NP_08505	.	protein_co	ENSG0000	80781	2195
COL19A1	0	0	0	0	0	0	collagen type XIX alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:	chr6:70576	NM_00185	XM_01153	.	.	NP_00184	XP_011533	protein_co	ENSG0000	1310	2196
COL1A1	3.17581	2.97176	3.6113	2.32292	1.86499	2.17747	collagen type I alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:21	chr17:4826	NM_00008	XM_01152	.	.	NP_00007	XP_005257	protein_co	ENSG0000	1277	2197
COL1A2	0	0	0	0	0	0	collagen type I alpha 2 chain [Source:HGNC Symbol;Acc:HGNC:21	chr7:94023	NM_00008	.	.	.	NP_00008	.	protein_co	ENSG0000	1278	2198
COL20A1	0.018801	0.019461	0.016193	0	0	0.020855	collagen type XX alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:1	chr20:6192	NM_02088	XM_01152	.	.	NP_06593	XP_011527	protein_co	ENSG0000	57642	14670
COL21A1	0.04847	0.016794	0.049695	0	0.018186	0	collagen type XXI alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:	chr6:55921	NM_00131	XM_01151	.	.	NP_00130	XP_006715	protein_co	ENSG0000	81578	17025
COL22A1	0	0	0	0	0	0	collagen type XXII alpha 1 chain [Source:HGNC Symbol;Acc:HGNC	chr8:13960	NM_15288	XM_01151	.	.	NP_69084	XP_011515	protein_co	ENSG0000	169044	22989
COL23A1	0	0	0	0	0	0	collagen type XXIII alpha 1 chain [Source:HGNC Symbol;Acc:HGN	chr5:17766	NM_17346	XM_01153	.	.	NP_77573	XP_006714	protein_co	ENSG0000	91522	22990
COL24A1	0.008458	0.008777	0.022439	0	0.038257	0.00866	collagen type XXIV alpha 1 chain [Source:HGNC Symbol;Acc:HGN	chr1:86194	NM_15289	XM_01154	.	.	NP_69085	XP_011539	protein_co	ENSG0000	255631	20821
COL25A1	0.014155	0.014648	0.098558	0.015847	0.023571	0.021773	collagen type XXV alpha 1 chain [Source:HGNC Symbol;Acc:HGNC	chr4:10973	NM_00125	XM_01153	.	.	NP_00124	XP_011530	protein_co	ENSG0000	84570	18603
COL26A1	0.294985	0.183387	0.138814	0.313814	0.281188	0.480099	collagen type XXVI alpha 1 chain [Source:HGNC Symbol;Acc:HGN	chr7:10100	NM_00127	.	.	.	NP_00126	XP_016867	protein_co	ENSG0000	136227	18038
COL27A1	2.19793	2.18953	3.05214	2.09337	2.41724	1.4612	collagen type XXVII alpha 1 chain [Source:HGNC Symbol;Acc:HGN	chr9:11691	NM_03288	XM_01151	.	.	NP_11627	XP_006717	protein_co	ENSG0000	85301	22986
COL28A1	0.037558	0.025871	0	0	0.028354	0	collagen type XXVIII alpha 1 chain [Source:HGNC Symbol;Acc:HGN	chr7:73975	NM_00103	XM_01151	.	.	NP_00103	XP_011513	protein_co	ENSG0000	340267	22442
COL2A1	0.031226	0.015249	0.013516	0.016555	0.018252	0.017412	collagen type II alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:22	chr12:4836	NM_00184	XM_01701	.	.	NP_00183	XP_016874	protein_co	ENSG0000	1280	2200
COL3A1	0.022367	0.030047	0.009758	0.01221	0	0	collagen type III alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2	chr2:18983	NM_00009	.	NR_03740	.	NP_00008	.	protein_co	ENSG0000	100500837	2201
COL4A1	0.009778	0.009765	0.017185	0.021265	0.078851	0.021048	collagen type IV alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2	chr13:1108	NM_00130	XM_01152	.	.	NP_00129	XP_011519	protein_co	ENSG0000	1282	2202
COL4A2	0.01987	0	0.008702	0.01062	0.023167	0.011054	collagen type IV alpha 2 chain [Source:HGNC Symbol;Acc:HGNC:2	chr13:1109	NM_00184	.	.	.	NP_00183	.	protein_co	ENSG0000	1284	2203
COL4A3	0.687815	0.724827	0.943457	0.403714	0.365128	0.539666	collagen type IV alpha 3 chain [Source:HGNC Symbol;Acc:HGNC:2	chr2:22802	NM_00009	XM_01151	.	.	NP_00008	XP_005246	protein_co	ENSG0000	1285	2204
COL4A3BP	13.0585	13.3461	9.30591	10.2865	11.9398	12.0762	collagen type IV alpha 3 binding protein [Source:HGNC Symbol;Ac	chr5:74666	NM_00113	XM_01700	.	.	NP_00112	XP_006714	protein_co	ENSG0000	10087	2205
COL4A4	1.05755	1.01702	1.32654	0.898988	1.00537	1.26043	collagen type IV alpha 4 chain [Source:HGNC Symbol;Acc:HGNC:2	chr2:22786	NM_00009	XM_01151	.	.	NP_00008	XP_005246	protein_co	ENSG0000	1286	2206
COL4A5	3.29513	3.07534	4.34498	3.14127	3.05581	3.85815	collagen type IV alpha 5 chain [Source:HGNC Symbol;Acc:HGNC:2	chrX:10768	NM_00049	XM_01702	.	.	NP_00048	XP_006724	protein_co	ENSG0000	1287	2207
COL4A6	0.371954	0.354915	0.465572	0.478287	0.490113	0.62812	collagen type IV alpha 6 chain [Source:HGNC Symbol;Acc:HGNC:2	chrX:10739	NM_00128	XM_01153	.	.	NP_00127	XP_006724	protein_co	ENSG0000	1288	2208
COL5A1	0.008851	0.00864	0.030803	0.047378	0.020537	0.039328	collagen type V alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:22	chr9:13753	NM_00009	.	.	.	NP_00008	XP_016869	protein_co	ENSG0000	1289	2209
COL5A2	0.365057	0.482672	0.479395	0.52	0.505648	0.476083	collagen type V alpha 2 chain [Source:HGNC Symbol;Acc:HGNC:22	chr2:18989	NM_00039	XM_01151	.	.	NP_00038	XP_011508	protein_co	ENSG0000	1290	2210
COL5A3	0.02135	0.04158	0.055921	0.022728	0.024873	0.04769	collagen type V alpha 3 chain [Source:HGNC Symbol;Acc:HGNC:14	chr19:1007	NM_01571	XM_01152	.	.	NP_05653	XP_011526	protein_co	ENSG0000	50509	14864
COL6A1	21.1842	23.0336	31.0051	15.7948	16.305	17.8274	collagen type VI alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2	chr21:4740	NM_00184	.	.	.	NP_00183	.	protein_co	ENSG0000	1291	2211
COL6A2	28.8319	32.1059	37.6972	26.1752	24.1995	29.2524	collagen type VI alpha 2 chain [Source:HGNC Symbol;Acc:HGNC:2	chr21:4751	NM_00184	XM_01152	.	.	NP_00184	XP_011527	protein_co	ENSG0000	1292	2212
COL6A3	0.091162	0.036847	0.078328	0.006868	0.032082	0.059398	collagen type VI alpha 3 chain [Source:HGNC Symbol;Acc:HGNC:2	chr2:23823	NM_00436	XM_01700	.	.	NP_00436	XP_005246	protein_co	ENSG0000	1293	2213
COL6A5	0	0	0	0	0	0	collagen type VI alpha 5 chain [Source:HGNC Symbol;Acc:HGNC:2	chr3:13006	NM_00127	XM_01151	.	.	NP_00126	XP_011510	protein_co	ENSG0000	256076	26674
COL6A6	0	0	0	0	0	0	collagen type VI alpha 6 chain [Source:HGNC Symbol;Acc:HGNC:2	chr3:13027	NM_00110	XM_01700	.	.	NP_00109	XP_005247	protein_co	ENSG0000	131873	27023

COL7A1	0.632736	0.619292	0.929044	0.389607	0.526203	0.658617	collagen type VII alpha 1 chain [Source:HGNC Symbol;Acc:HGNC::	chr3:48601	NM_00009	XM_01153	NR_03175(	.	NP_00008!	XP_011531	protein_co	ENSG0000(	100313843	2214
COL8A1	0	0	0	0	0	0	collagen type VIII alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:	chr3:99357	NM_00185	.	.	.	NP_00184	.	protein_co	ENSG0000(	1295	2215
COL8A2	0	0	0.055307	0	0	0	collagen type VIII alpha 2 chain [Source:HGNC Symbol;Acc:HGNC:	chr1:36560	NM_00129	.	.	.	NP_00128	XP_005270	protein_co	ENSG0000(	1296	2216
COL9A1	0	0	0	0	0	0	collagen type IX alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2	chr6:70924	NM_00185	XM_01153	.	.	NP_00184	XP_011533	protein_co	ENSG0000(	1297	2217
COL9A2	1.92795	1.73354	2.41432	1.75043	1.29157	1.55036	collagen type IX alpha 2 chain [Source:HGNC Symbol;Acc:HGNC:2	chr1:40766	NM_00185	XM_01700	.	.	NP_00184	XP_006710	protein_co	ENSG0000(	1298	2218
COL9A3	9.22127	8.16433	11.4771	3.56004	3.93265	3.68517	collagen type IX alpha 3 chain [Source:HGNC Symbol;Acc:HGNC:2	chr20:6144	NM_00185	XM_01152	.	.	NP_00184	XP_011526	protein_co	ENSG0000(	1299	2219
COLCA2	0	0	0	0	0	0	colorectal cancer associated 2 [Source:HGNC Symbol;Acc:HGNC:2	chr11:1111	NM_00113	XM_01154	.	.	NP_00112	XP_016872	protein_co	ENSG0000(	120376	26978
COLEC10	0	0	0	0	0	0	collectin subfamily member 10 [Source:HGNC Symbol;Acc:HGNC:	chr8:12007	NM_00643	.	.	.	NP_00642	.	protein_co	ENSG0000(	10584	2220
COLEC11	0.050782	0.233991	0.165357	0	0.084382	0.18562	collectin subfamily member 11 [Source:HGNC Symbol;Acc:HGNC:	chr2:36424	NM_00125	XM_00671	.	.	NP_00124	XP_005263	protein_co	ENSG0000(	78989	17213
COLEC12	0.025514	0	0	0.014126	0	0.052676	collectin subfamily member 12 [Source:HGNC Symbol;Acc:HGNC:	chr18:3167	NM_13038	XM_01152	.	.	NP_56905	XP_011524	protein_co	ENSG0000(	81035	16016
COLGALT1	57.7455	56.9897	49.9205	50.3851	47.6738	44.5721	collagen beta(1-O)galactosyltransferase 1 [Source:HGNC Symbol;	chr19:1766	NM_02465	XM_01152	.	.	NP_07893	XP_005260	protein_co	ENSG0000(	79709	26182
COLGALT2	0.060643	0.073458	0.053855	0.019607	0.038761	0.086866	collagen beta(1-O)galactosyltransferase 2 [Source:HGNC Symbol;	chr1:18390	NM_00130	XM_01150	.	.	NP_00129	XP_011507	protein_co	ENSG0000(	23127	16790
COLQ	1.37269	1.19994	1.56226	0.854646	0.715316	1.26377	collagen like tail subunit of asymmetric acetylcholinesterase [Sou	chr3:15491	NM_00567	.	.	.	NP_00566	.	protein_co	ENSG0000(	8292	2226
COMMD1	14.3344	14.0323	15.159	16.4922	14.6394	14.8642	copper metabolism domain containing 1 [Source:HGNC Symbol;A	chr2:62132	NM_15251	.	.	.	NP_68972	.	protein_co	ENSG0000(	150684	23024
COMMD10	9.90551	10.652	11.087	11.8737	11.8869	14.7815	COMM domain containing 10 [Source:HGNC Symbol;Acc:HGNC:3	chr5:11542	NM_01614	XM_01154	.	.	NP_00129	XP_011541	protein_co	ENSG0000(	51397	30201
COMMD2	9.7094	8.86394	11.0932	10.6601	11.2981	13.0267	COMM domain containing 2 [Source:HGNC Symbol;Acc:HGNC:24	chr3:14945	NM_01609	.	.	.	NP_05717	.	protein_co	ENSG0000(	51122	24993
COMMD3	34.7442	32.863	28.7561	35.705	35.0833	33.2644	COMM domain containing 3 [Source:HGNC Symbol;Acc:HGNC:23	chr10:2260	NM_01207	.	.	.	NP_03620	.	protein_co	ENSG0000(	23412	23332
COMMD3-BMI1	5.96201	9.77569	7.32118	9.4162	9.76277	6.66882	COMMD3-BMI1 readthrough [Source:HGNC Symbol;Acc:HGNC:4	chr10:2260	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000(	100532731	48326
COMMD4	104.856	104.181	78.5144	134.087	114.245	72.5464	COMM domain containing 4 [Source:HGNC Symbol;Acc:HGNC:26	chr15:7562	NM_00128	XM_01152	.	.	NP_00127	XP_005254	protein_co	ENSG0000(	54939	26027
COMMD5	32.5163	31.8526	29.0277	37.3273	29.7386	23.7088	COMM domain containing 5 [Source:HGNC Symbol;Acc:HGNC:17	chr8:14607	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000(	28991	17902
COMMD6	56.0325	55.4232	75.006	74.4877	54.7165	69.3765	COMM domain containing 6 [Source:HGNC Symbol;Acc:HGNC:24	chr13:7609	NM_00128	XM_01153	.	.	NP_00127	XP_011533	protein_co	ENSG0000(	170622	24015
COMMD7	11.9405	13.3159	13.2808	17.4653	14.9863	12.8346	COMM domain containing 7 [Source:HGNC Symbol;Acc:HGNC:16	chr20:3129	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000(	149951	16223
COMMD8	12.5228	12.6976	13.424	13.4195	15.051	16.0366	COMM domain containing 8 [Source:HGNC Symbol;Acc:HGNC:26	chr4:47452	NM_00132	XM_00671	.	.	NP_00131	XP_016863	protein_co	ENSG0000(	54951	26036
COMMD9	18.5603	17.0299	12.5601	19.1178	16.0842	9.06158	COMM domain containing 9 [Source:HGNC Symbol;Acc:HGNC:25	chr11:3629	NM_00110	XM_01152	.	.	NP_00109	XP_011518	protein_co	ENSG0000(	29099	25014
COMP	0	0	0	0.031316	0	0	cartilage oligomeric matrix protein [Source:HGNC Symbol;Acc:HG	chr19:1889	NM_00009	.	.	.	NP_00008	.	protein_co	ENSG0000(	1311	2227
COMT	47.95	49.9013	45.07	59.271	46.9193	40.8222	catechol-O-methyltransferase [Source:HGNC Symbol;Acc:HGNC:2	chr22:1986	NM_00075	XM_01702	NR_03991	.	NP_00074	XP_016884	protein_co	ENSG0000(	100616414	2228
COMTD1	21.4593	19.6287	21.0392	20.456	14.7737	20.3546	catechol-O-methyltransferase domain containing 1 [Source:HGN	chr10:7699	NM_14458	.	.	.	NP_65319	.	protein_co	ENSG0000(	118881	26309
COPA	49.0312	49.8869	44.5897	46.0231	45.2654	48.5935	coatomer protein complex subunit alpha [Source:HGNC Symbol;A	chr1:16025	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000(	1314	2230
COPB1	48.8329	43.3556	46.7275	43.0486	51.3527	58.2462	coatomer protein complex subunit beta 1 [Source:HGNC Symbol;	chr11:1447	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000(	1315	2231
COPB2	65.2876	68.2047	68.8799	56.2588	55.8731	61.4883	coatomer protein complex subunit beta 2 [Source:HGNC Symbol;	chr3:13907	NM_00476	XM_01151	.	.	NP_00475	XP_016863	protein_co	ENSG0000(	9276	2232
COPE	110.199	111.272	102.152	124.675	92.8477	98.8197	coatomer protein complex subunit epsilon [Source:HGNC Symbol	chr19:1901	NM_00726	XM_01152	.	.	NP_00919	XP_011525	protein_co	ENSG0000(	11316	2234
COPG1	67.4556	63.4857	59.3252	60.1934	55.5874	58.0499	coatomer protein complex subunit gamma 1 [Source:HGNC Symb	chr3:12896	NM_01612	.	.	.	NP_05721	.	protein_co	ENSG0000(	22820	2236
COPG2	11.7256	11.126	11.6452	11.9753	10.2235	15.7868	coatomer protein complex subunit gamma 2 [Source:HGNC Symb	chr7:13029	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000(	26958	2237
COPRS	51.3376	46.3984	44.8299	63.0161	51.2329	45.0493	coordinator of PRMT5 and differentiation stimulator [Source:HG	chr17:3017	NM_01840	XM_00525	.	.	NP_06087	XP_005258	protein_co	ENSG0000(	55352	28848
COPS2	39.853	35.5424	41.2739	39.0046	47.6132	48.2339	COP9 signalosome subunit 2 [Source:HGNC Symbol;Acc:HGNC:30	chr15:4941	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000(	9318	30747
COPS3	54.4466	55.4252	48.3226	64.5511	59.9603	54.5834	COP9 signalosome subunit 3 [Source:HGNC Symbol;Acc:HGNC:22	chr17:1715	NM_00119	XM_00525	.	.	NP_00118	XP_005256	protein_co	ENSG0000(	8533	2239
COPS4	22.3598	21.4955	21.8084	27.3054	23.635	23.6052	COP9 signalosome subunit 4 [Source:HGNC Symbol;Acc:HGNC:16	chr4:83955	NM_00125	XM_01153	.	.	NP_00124	XP_011530	protein_co	ENSG0000(	51138	16702
COPS5	68.6432	63.5457	51.2223	62.2455	62.3801	47.6796	COP9 signalosome subunit 5 [Source:HGNC Symbol;Acc:HGNC:22	chr8:67955	NM_00683	.	.	.	NP_00682	.	protein_co	ENSG0000(	10987	2240
COPS6	94.6405	84.3176	79.9094	107.254	88.135	71.427	COP9 signalosome subunit 6 [Source:HGNC Symbol;Acc:HGNC:21	chr7:99686	NM_00683	.	.	.	NP_00682	.	protein_co	ENSG0000(	10980	21749
COPS7A	57.5893	56.7968	48.6229	66.3092	56.7342	44.1285	COP9 signalosome subunit 7A [Source:HGNC Symbol;Acc:HGNC:1	chr12:6832	NM_00116	XM_00525	.	.	NP_00115	XP_005253	protein_co	ENSG0000(	50813	16758
COPS7B	24.4394	26.7639	24.0571	27.9326	26.289	22.8479	COP9 signalosome subunit 7B [Source:HGNC Symbol;Acc:HGNC:1	chr2:23264	NM_00128	XM_01700	.	.	NP_00126	XP_006712	protein_co	ENSG0000(	64708	16760
COPS8	38.4964	36.0631	32.2127	44.9685	46.7119	37.3241	COP9 signalosome subunit 8 [Source:HGNC Symbol;Acc:HGNC:24	chr2:23799	NM_00671	.	.	.	NP_00670	.	protein_co	ENSG0000(	10920	24335
COPS9	158.812	143.526	132.75	198.693	171.468	140.802	COP9 signalosome subunit 9 [Source:HGNC Symbol;Acc:HGNC:21	chr2:24106	NM_00116	.	.	.	NP_00115	XP_016858	protein_co	ENSG0000(	150678	21314
COPZ1	172.031	159.975	160.806	194.316	162.762	173.508	coatomer protein complex subunit zeta 1 [Source:HGNC Symbol;	chr12:5471	NM_00127	XM_01153	.	.	NP_00125	.	protein_co	ENSG0000(	22818	2243
COPZ2	0.254135	0	0.146821	0	0	0	coatomer protein complex subunit zeta 2 [Source:HGNC Symbol;	chr17:4610	NM_01642	XM_01152	.	.	NP_05751	XP_011523	protein_co	ENSG0000(	51226	19356
COQ10A	7.1273	6.95213	6.4821	5.68434	5.53972	4.86889	coenzyme Q10A [Source:HGNC Symbol;Acc:HGNC:26515]	chr12:5666	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000(	93058	26515
COQ10B	14.2744	13.2485	15.5612	14.7111	16.8932	19.7601	coenzyme Q10B [Source:HGNC Symbol;Acc:HGNC:25819]	chr2:19831	NM_02514	XM_00671	.	.	NP_00130	XP_006712	protein_co	ENSG0000(	80219	25819
COQ2	14.3594	14.9667	12.1526	14.5815	12.3027	11.722	coenzyme Q2, polyprenyltransferase [Source:HGNC Symbol;Acc:H	chr4:84184	NM_01569	.	.	.	NP_05651	.	protein_co	ENSG0000(	27235	25223
COQ3	17.5767	15.0738	15.7975	21.2755	15.2175	19.2896	coenzyme Q3, methyltransferase [Source:HGNC Symbol;Acc:HGN	chr6:99817	NM_01742	XM_00671	.	.	NP_05911	XP_005267	protein_co	ENSG0000(	51805	18175
COQ4	35.3706	38.378	33.9001	40.1062	33.3032	29.4575	coenzyme Q4 [Source:HGNC Symbol;Acc:HGNC:19693]	chr9:13106	NM_01603	.	.	.	NP_05711	.	protein_co	ENSG0000(	51117	19693
COQ5	26.0996	21.5313	29.4422	25.9611	23.9216	29.5636	coenzyme Q5, methyltransferase [Source:HGNC Symbol;Acc:HGN	chr12:1209	NM_03231	XM_00671	.	.	NP_11569	XP_006719	protein_co	ENSG0000(	84274	28722
COQ6	10.6287	12.6201	12.7708	12.6021	11.7664	10.4956	coenzyme Q6, monooxygenase [Source:HGNC Symbol;Acc:HGNC:	chr14:7431	NM_18247	XM_01153	.	.	NP_87228	XP_006720	protein_co	ENSG0000(	51004	20233
COQ7	11.2283	12.1089	9.83581	14.6474	16.2265	15.0782	coenzyme Q7, hydroxylase [Source:HGNC Symbol;Acc:HGNC:224	chr16:1907	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000(	10229	2244
COQ9	36.0314	36.081	33.3436	46.5223	37.5619	33.0783	coenzyme Q9 [Source:HGNC Symbol;Acc:HGNC:25302]	chr16:5746	NM_02031	.	.	.	NP_06470	.	protein_co	ENSG0000(	57017	25302
CORIN	0.673881	0.921491	0.714276	0.358148	0.21871	0.1072	corin, serine peptidase [Source:HGNC Symbol;Acc:HGNC:19012]	chr4:47596	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000(	10699	19012
CORO1A	3.24953	4.07721	4.83252	5.68537	5.15483	3.0938	coronin 1A [Source:HGNC Symbol;Acc:HGNC:2252]	chr16:3019	NM_00119	XM_01154	.	.	NP_00118	XP_011544	protein_co	ENSG0000(	11151	2252
CORO1B	57.5444	57.1022	56.8724	51.7312	42.9664	46.9518	coronin 1B [Source:HGNC Symbol;Acc:HGNC:2253]	chr11:6720	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000(	57175	2253
CORO1C	43.9898	44.0542	47.0773	54.9123	53.1932	57.0425	coronin 1C [Source:HGNC Symbol;Acc:HGNC:2254]	chr12:1090	NM_00110	.	.	.	NP_00109	XP_016874	protein_co	ENSG0000(	23603	2254
CORO2A	4.53084	4.61739	5.63204	3.76156	3.93347	4.22735	coronin 2A [Source:HGNC Symbol;Acc:HGNC:2255]	chr9:10088	NM_00338	XM_01151	.	.	NP_00338	XP_011517	protein_co	ENSG0000(	7464	2255

CORO2B	1.37196	1.29352	1.6309	1.25569	0.841446	1.32145	coronin 2B [Source:HGNC Symbol;Acc:HGNC:2256]	chr15:6887	NM_00119	XM_01152	.	.	NP_00117	XP_005254	protein_co	ENSG0000	10391	2256
CORO6	2.92366	2.57507	3.99338	2.56828	3.30488	2.45698	coronin 6 [Source:HGNC Symbol;Acc:HGNC:21356]	chr17:2792	NM_03285	XM_01152	.	.	NP_11624	XP_005258	protein_co	ENSG0000	84940	21356
CORO7	3.72395	4.03062	4.81073	4.27398	3.10583	3.72	coronin 7 [Source:HGNC Symbol;Acc:HGNC:26161]	chr16:4364	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	79585	26161
CORO7-PAM16	5.53E-07	1.3E-15	6.44E-06	1.19E-29	1.71E-10	2.08E-07	CORO7-PAM16 readthrough [Source:HGNC Symbol;Acc:HGNC:44	chr16:4364	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	100529144	44424
CORT	0.099293	0.094504	0.230316	0.351948	5.12E-36	1.99E-32	cortistatin [Source:HGNC Symbol;Acc:HGNC:2257]	chr1:10490	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	1325	2257
COTL1	165.712	164.765	159.776	174.418	150.53	165.749	coactosin like F-actin binding protein 1 [Source:HGNC Symbol;Acc	chr16:8459	NM_02114	.	.	.	NP_06697	.	protein_co	ENSG0000	23406	18304
COX10	13.3331	12.9197	13.4264	16.0809	15.356	10.4993	COX10, heme A:farnesyltransferase cytochrome c oxidase assemb	chr17:1397	NM_00130	XM_01152	.	.	NP_00129	.	protein_co	ENSG0000	1352	2260
COX11	22.4689	23.2388	24.0357	22.7239	18.561	16.2968	COX11, cytochrome c oxidase copper chaperone [Source:HGNC S	chr17:5297	NM_00116	XM_01152	.	.	NP_00115	XP_006721	protein_co	ENSG0000	1353	2261
COX14	40.8053	34.6138	40.0955	47.5265	39.5916	39.8683	COX14, cytochrome c oxidase assembly factor [Source:HGNC Sym	chr12:5050	NM_00125	XM_01153	.	.	NP_00124	XP_011537	protein_co	ENSG0000	84987	28216
COX15	42.8314	41.9187	46.2377	55.1282	56.5283	56.0078	COX15, cytochrome c oxidase assembly homolog [Source:HGNC S	chr10:1014	NM_00437	XM_00671	.	.	NP_00130	.	protein_co	ENSG0000	1355	2263
COX16	32.1147	28.9377	26.6869	39.8693	30.7382	30.5517	COX16, cytochrome c oxidase assembly homolog [Source:HGNC S	chr14:7079	NM_01646	.	.	.	NP_05755	.	protein_co	ENSG0000	51241	20213
COX17	68.3742	67.5894	56.8122	106.187	72.2957	70.3249	COX17, cytochrome c oxidase copper chaperone [Source:HGNC S	chr3:11938	NM_00569	.	.	.	NP_00568	.	protein_co	ENSG0000	10063	2264
COX18	5.26721	4.89648	4.43884	5.00889	4.85805	5.62446	COX18, cytochrome c oxidase assembly factor [Source:HGNC Sym	chr4:73918	NM_00129	XM_01153	.	.	NP_00128	XP_005265	protein_co	ENSG0000	285521	26801
COX19	5.14208	4.80174	4.7675	5.16287	5.12848	5.52242	COX19, cytochrome c oxidase assembly factor [Source:HGNC Sym	chr7:10057	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	90639	28074
COX20	41.2934	33.5509	45.5039	44.6163	58.0451	50.4966	COX20, cytochrome c oxidase assembly factor [Source:HGNC Sym	chr1:24499	NM_00131	.	NR_13242	.	NP_00129	.	protein_co	ENSG0000	116228	26970
COX4I1	692.614	634.733	674.457	785.525	587.917	608.152	cytochrome c oxidase subunit 4I1 [Source:HGNC Symbol;Acc:HGN	chr16:8583	NM_00131	XM_01152	.	.	NP_00130	XP_005255	protein_co	ENSG0000	1327	2265
COX4I2	0	0	0	0	0	0	cytochrome c oxidase subunit 4I2 [Source:HGNC Symbol;Acc:HGN	chr20:3022	NM_03260	.	.	.	NP_11599	.	protein_co	ENSG0000	84701	16232
COX5A	216.976	213.284	220.848	277.023	220.964	232.907	cytochrome c oxidase subunit 5A [Source:HGNC Symbol;Acc:HGN	chr15:7521	NM_00425	.	.	.	NP_00424	.	protein_co	ENSG0000	9377	2267
COX5B	248.764	235.822	252.582	272.199	196.648	236.879	cytochrome c oxidase subunit 5B [Source:HGNC Symbol;Acc:HGN	chr2:98262	NM_00186	.	.	.	NP_00185	.	protein_co	ENSG0000	1329	2269
COX6A1	378.127	349.364	380.49	457.215	325.864	382.696	cytochrome c oxidase subunit 6A1 [Source:HGNC Symbol;Acc:HG	chr12:1208	NM_00437	.	.	.	NP_00436	.	protein_co	ENSG0000	1337	2277
COX6A2	0	0	0	0	0	0	cytochrome c oxidase subunit 6A2 [Source:HGNC Symbol;Acc:HG	chr16:3143	NM_00520	.	.	.	NP_00519	.	protein_co	ENSG0000	1339	2279
COX6B1	299.701	250.459	251.016	364.636	253.275	287.476	cytochrome c oxidase subunit 6B1 [Source:HGNC Symbol;Acc:HG	chr19:3613	NM_00186	.	.	.	NP_00185	.	protein_co	ENSG0000	1340	2280
COX6B2	0.503198	0.676335	0.965113	0.336564	0.442297	0.425312	cytochrome c oxidase subunit 6B2 [Source:HGNC Symbol;Acc:HG	chr19:5586	NM_14461	.	.	.	NP_65321	.	protein_co	ENSG0000	125965	24380
COX6C	353.398	301.235	375.478	378.31	322.023	385.138	cytochrome c oxidase subunit 6C [Source:HGNC Symbol;Acc:HGN	chr8:10089	NM_00437	XM_01701	.	.	NP_00436	XP_016868	protein_co	ENSG0000	1345	2285
COX7A1	0	0	0	0	0	0	cytochrome c oxidase subunit 7A1 [Source:HGNC Symbol;Acc:HG	chr19:3664	NM_00186	.	.	.	NP_00185	.	protein_co	ENSG0000	1346	2287
COX7A2	303.906	273.068	295.554	314.674	270.367	332.698	cytochrome c oxidase subunit 7A2 [Source:HGNC Symbol;Acc:HG	chr6:75947	NM_00186	XM_01153	.	.	NP_00185	XP_011533	protein_co	ENSG0000	1347	2288
COX7A2L	97.6678	97.8918	107.233	111.535	102.7	127.735	cytochrome c oxidase subunit 7A2 like [Source:HGNC Symbol;Acc	chr2:42576	NM_00471	XM_01153	NR_13494	.	NP_00130	XP_011531	protein_co	ENSG0000	9167	2289
COX7B	76.4502	61.0636	58.3056	88.4709	59.2197	61.5733	cytochrome c oxidase subunit 7B [Source:HGNC Symbol;Acc:HGN	chrX:77154	NM_00186	.	.	.	NP_00185	.	protein_co	ENSG0000	1349	2291
COX7B2	0	0	0	0	0	0	cytochrome c oxidase subunit 7B2 [Source:HGNC Symbol;Acc:HG	chr4:46736	NM_13090	XM_01151	.	.	NP_57097	XP_005248	protein_co	ENSG0000	170712	24381
COX7C	606.502	533.192	634.328	638.328	535.434	661.591	cytochrome c oxidase subunit 7C [Source:HGNC Symbol;Acc:HGN	chr5:85913	NM_00186	.	NR_03740	.	NP_00185	.	protein_co	ENSG0000	100500805	2292
COX8A	504.698	514.965	457.687	638.913	466.874	466.924	cytochrome c oxidase subunit 8A [Source:HGNC Symbol;Acc:HGN	chr11:6374	NM_00407	.	.	.	NP_00406	.	protein_co	ENSG0000	1351	2294
COX8C	0	0	0	0.294127	0	0	cytochrome c oxidase subunit 8C [Source:HGNC Symbol;Acc:HGN	chr14:9379	NM_18297	.	.	.	NP_89201	.	protein_co	ENSG0000	341947	24382
CP	0.0273	0.01464	0.011972	0.0156	0	0	ceruloplasmin [Source:HGNC Symbol;Acc:HGNC:2295]	chr3:14884	NM_00009	XM_01151	.	.	NP_00008	XP_006713	protein_co	ENSG0000	1356	2295
CPA1	0	0	0	0	0	0	carboxypeptidase A1 [Source:HGNC Symbol;Acc:HGNC:2296]	chr7:13002	NM_00186	.	.	.	NP_00185	.	protein_co	ENSG0000	1357	2296
CPA2	0	0	0	0.05395	0	0.099274	carboxypeptidase A2 [Source:HGNC Symbol;Acc:HGNC:2297]	chr7:12990	NM_00186	.	.	.	NP_00186	.	protein_co	ENSG0000	1358	2297
CPA3	0	0	0	0	0	0	carboxypeptidase A3 [Source:HGNC Symbol;Acc:HGNC:2298]	chr3:14858	NM_00187	.	.	.	NP_00186	.	protein_co	ENSG0000	1359	2298
CPA4	5.91985	5.742	8.7166	0.988937	1.37547	0.662848	carboxypeptidase A4 [Source:HGNC Symbol;Acc:HGNC:15740]	chr7:12993	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	51200	15740
CPA5	0.052297	0.159723	0.135112	0.057297	0.059412	0	carboxypeptidase A5 [Source:HGNC Symbol;Acc:HGNC:15722]	chr7:12998	NM_00112	XM_01151	.	.	NP_00112	XP_005250	protein_co	ENSG0000	93979	15722
CPA6	0	0	0	0	0	0	carboxypeptidase A6 [Source:HGNC Symbol;Acc:HGNC:17245]	chr8:68334	NM_02036	XM_01151	.	.	NP_06509	XP_011515	protein_co	ENSG0000	57094	17245
CPAMD8	0.014202	0.013976	0.012197	0	0.016497	0	C3 and PZP like, alpha-2-macroglobulin domain containing 8 [Sou	chr19:1700	NM_01569	XM_01702	.	.	NP_05650	XP_011526	protein_co	ENSG0000	27151	23228
CPB1	0	0	0	0	0	0	carboxypeptidase B1 [Source:HGNC Symbol;Acc:HGNC:2299]	chr3:14850	NM_00187	XM_01151	.	.	NP_00186	XP_005247	protein_co	ENSG0000	1360	2299
CPB2	0	0	0	0	0	0	carboxypeptidase B2 [Source:HGNC Symbol;Acc:HGNC:2300]	chr13:4662	NM_00127	XM_01702	.	.	NP_00126	XP_016875	protein_co	ENSG0000	1361	2300
CPD	17.1217	18.1635	18.7193	17.2805	22.1118	21.7388	carboxypeptidase D [Source:HGNC Symbol;Acc:HGNC:2301]	chr17:2870	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	1362	2301
CPE	23.3173	24.5588	34.6688	28.4647	24.6842	34.2734	carboxypeptidase E [Source:HGNC Symbol;Acc:HGNC:2303]	chr4:16630	NM_00187	.	.	.	NP_00186	.	protein_co	ENSG0000	1363	2303
CPEB1	0	0	0	0	0	0	cytoplasmic polyadenylation element binding protein 1 [Source:H	chr15:8320	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	64506	21744
CPEB2	1.49001	1.86361	1.85398	0.570757	0.597164	1.07658	cytoplasmic polyadenylation element binding protein 2 [Source:H	chr4:15004	NM_00117	XM_01151	.	.	NP_00117	XP_005248	protein_co	ENSG0000	132864	21745
CPEB3	0.739313	1.04634	0.872485	0.471248	0.780635	1.17855	cytoplasmic polyadenylation element binding protein 3 [Source:H	chr10:9380	NM_00117	XM_01153	.	.	NP_00117	XP_005269	protein_co	ENSG0000	22849	21746
CPEB4	4.00068	6.67268	4.33199	4.59756	6.45016	6.46555	cytoplasmic polyadenylation element binding protein 4 [Source:H	chr5:17331	NM_00130	XM_00526	.	.	NP_00129	XP_005266	protein_co	ENSG0000	80315	21747
CPED1	0.306508	0.224702	0.145395	0.259823	0.140107	0.258321	cadherin like and PC-esterase domain containing 1 [Source:HGNC	chr7:12062	NM_00110	XM_01151	.	.	NP_00109	XP_011514	protein_co	ENSG0000	79974	26159
CPLX1	6.27884	7.41873	6.1947	7.04941	7.95647	4.86651	complexin 1 [Source:HGNC Symbol;Acc:HGNC:2309]	chr4:77874	NM_00665	XM_01151	.	.	NP_00664	XP_011511	protein_co	ENSG0000	10815	2309
CPLX2	0.056766	0.164902	0.308607	0.030768	0.201162	0.076368	complexin 2 [Source:HGNC Symbol;Acc:HGNC:2310]	chr5:17522	NM_00100	XM_01153	.	.	NP_00100	XP_005265	protein_co	ENSG0000	10814	2310
CPLX3	0.062233	0.031125	0.027051	0.033589	0.035725	0	complexin 3 [Source:HGNC Symbol;Acc:HGNC:27652]	chr15:7511	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	594855	27652
CPLX4	0	0	0	0	0	0	complexin 4 [Source:HGNC Symbol;Acc:HGNC:24330]	chr18:5694	NM_18165	.	.	.	NP_85763	.	protein_co	ENSG0000	339302	24330
CPM	0.893831	1.04794	1.28264	1.41655	1.77563	1.94844	carboxypeptidase M [Source:HGNC Symbol;Acc:HGNC:2311]	chr12:6924	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	1368	2311
CPN1	0	0.04057	0.105218	0.087835	0.046182	0.215272	carboxypeptidase N subunit 1 [Source:HGNC Symbol;Acc:HGNC:2	chr10:1018	NM_00130	XM_01153	.	.	NP_00129	.	protein_co	ENSG0000	1369	2312
CPN2	0	0	0	0	0	0	carboxypeptidase N subunit 2 [Source:HGNC Symbol;Acc:HGNC:2	chr3:19406	NM_00108	XM_00526	.	.	NP_00107	XP_005269	protein_co	ENSG0000	1370	2313
CPNE1	70.3805	71.6579	71.5615	73.871	63.7031	60.5193	copine 1 [Source:HGNC Symbol;Acc:HGNC:2314]	chr20:3421	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	8904	2314
CPNE2	21.0802	21.545	18.346	22.8875	15.7235	15.0445	copine 2 [Source:HGNC Symbol;Acc:HGNC:2315]	chr16:5712	NM_15272	.	.	.	NP_68994	.	protein_co	ENSG0000	221184	2315
CPNE3	41.1952	41.8904	47.6718	40.4024	49.8146	42.7232	copine 3 [Source:HGNC Symbol;Acc:HGNC:2316]	chr8:87526	NM_00390	XM_01701	.	.	NP_00390	XP_005251	protein_co	ENSG0000	8895	2316

CPNE4	0	0.030669	0.02564	0	0	0	copine 4 [Source:HGNC Symbol;Acc:HGNC:2317]	chr3:13125	NM_00128	XM_01151	.	.	NP_00127	XP_01151	protein_co	ENSG0000	131034	2317
CPNE5	0.118403	0.119428	0.135834	0.160569	0.06939	0.09747	copine 5 [Source:HGNC Symbol;Acc:HGNC:2318]	chr6:36708	NM_00131	XM_01151	.	.	NP_00130	XP_00524	protein_co	ENSG0000	57699	2318
CPNE6	0.032604	0	0	0	0	0	copine 6 [Source:HGNC Symbol;Acc:HGNC:2319]	chr14:2454	NM_00128	XM_00526	.	.	NP_00126	XP_00526	protein_co	ENSG0000	9362	2319
CPNE7	36.5491	35.2149	48.474	40.9533	35.5691	31.4241	copine 7 [Source:HGNC Symbol;Acc:HGNC:2320]	chr16:8964	NM_01442	XM_01702	.	.	NP_05524	XP_01152	protein_co	ENSG0000	27132	2320
CPNE8	4.5576	4.60108	5.20766	4.32284	5.03977	5.71913	copine 8 [Source:HGNC Symbol;Acc:HGNC:23498]	chr12:3904	NM_15363	XM_01701	.	.	NP_70589	XP_01687	protein_co	ENSG0000	144402	23498
CPNE9	0.410054	0.172157	0.354501	0.297531	0.117728	0.219668	copine family member 9 [Source:HGNC Symbol;Acc:HGNC:24336	chr3:97454	NM_00130	XM_01153	.	.	NP_00129	XP_00671	protein_co	ENSG0000	151835	24336
CPO	0.229511	0.422182	0.250339	0.063814	0	0.057849	carboxypeptidase O [Source:HGNC Symbol;Acc:HGNC:21011]	chr2:20780	NM_17307	XM_01151	.	.	NP_77510	XP_01150	protein_co	ENSG0000	130749	21011
CPOX	150.02	163.773	157.829	304.745	285.506	271.091	coproporphyrinogen oxidase [Source:HGNC Symbol;Acc:HGNC:23	chr3:98298	NM_00009	.	.	.	NP_00008	.	protein_co	ENSG0000	1371	2321
CPPED1	5.4981	6.026	6.31537	7.47853	7.50448	5.91177	calcineurin like phosphoesterase domain containing 1 [Source:HG	chr16:1275	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	55313	25632
CPQ	0.734672	0.57153	0.926715	0.611631	0.911983	2.10662	carboxypeptidase Q [Source:HGNC Symbol;Acc:HGNC:16910]	chr8:97657	NM_01613	XM_01151	.	.	NP_05721	XP_00525	protein_co	ENSG0000	10404	16910
CPS1	8.34278	8.87962	9.74696	9.87655	10.5481	10.926	carbamoyl-phosphate synthase 1 [Source:HGNC Symbol;Acc:HGN	chr2:21134	NM_00112	XM_01151	.	.	NP_00111	XP_01150	protein_co	ENSG0000	1373	2323
CPSF1	43.4288	46.89	47.4869	59.7914	44.6784	41.08	cleavage and polyadenylation specific factor 1 [Source:HGNC Sym	chr8:14559	NM_01329	XM_01151	NR_03063	.	NP_03742	XP_00671	protein_co	ENSG0000	102466749	2324
CPSF2	9.07768	9.46052	9.05298	10.5072	10.6964	10.1421	cleavage and polyadenylation specific factor 2 [Source:HGNC Sym	chr14:9258	NM_01743	XM_00526	.	.	NP_00130	XP_00526	protein_co	ENSG0000	53981	2325
CPSF3	32.3326	31.2551	31.6877	32.5787	31.6997	35.3645	cleavage and polyadenylation specific factor 3 [Source:HGNC Sym	chr2:95636	NM_01620	XM_01151	.	.	NP_00130	XP_00524	protein_co	ENSG0000	51692	2326
CPSF3L	51.571	46.4919	42.3548	56.856	47.633	41.583	cleavage and polyadenylation specific factor 3-like [Source:HGNC	chr1:12439	NM_00125	XM_01154	NR_10678	.	NP_00124	XP_01153	protein_co	ENSG0000	102465435	26052
CPSF4	35.739	31.952	37.8414	35.4918	34.3809	31.7703	cleavage and polyadenylation specific factor 4 [Source:HGNC Sym	chr7:98992	NM_00108	XM_01701	.	.	NP_00107	XP_01151	protein_co	ENSG0000	10898	2327
CPSF4L	0	0	0.108759	0.136027	0	0	cleavage and polyadenylation specific factor 4 like [Source:HGNC	chr17:7118	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	642843	33632
CPSF6	46.3039	43.5669	39.9135	53.696	48.3225	45.95	cleavage and polyadenylation specific factor 6 [Source:HGNC Sym	chr12:6963	NM_00130	XM_00526	.	.	NP_00128	XP_00526	protein_co	ENSG0000	11052	13871
CPSF7	38.1084	38.0697	38.5998	33.2378	35.2997	30.4089	cleavage and polyadenylation specific factor 7 [Source:HGNC Sym	chr11:6117	NM_00113	XM_01154	.	.	NP_00112	XP_00527	protein_co	ENSG0000	79869	30098
CPT1A	23.0322	23.1934	23.5329	18.1987	20.1368	16.2839	carnitine palmitoyltransferase 1A [Source:HGNC Symbol;Acc:HGN	chr11:6852	NM_00103	XM_00527	.	.	NP_00102	XP_00527	protein_co	ENSG0000	1374	2328
CPT1B	6.34329	5.7778	5.79887	5.82888	4.52675	5.5994	carnitine palmitoyltransferase 1B [Source:HGNC Symbol;Acc:HGN	chr22:5100	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	1375	2329
CPT1C	1.59997	1.42936	2.36996	1.78561	0.854028	1.54795	carnitine palmitoyltransferase 1C [Source:HGNC Symbol;Acc:HGN	chr19:5019	NM_00113	XM_01152	.	.	NP_00112	XP_00525	protein_co	ENSG0000	126129	18540
CPT2	10.9948	10.5419	14.5829	12.6277	13.7551	16.5187	carnitine palmitoyltransferase 2 [Source:HGNC Symbol;Acc:HGNC	chr1:53662	NM_00009	XM_00527	.	.	NP_00008	XP_00527	protein_co	ENSG0000	1376	2330
CPTP	11.0497	13.1203	10.4981	15.3494	12.0288	9.28594	ceramide-1-phosphate transfer protein [Source:HGNC Symbol;Ac	chr1:12601	NM_00102	XM_01154	.	.	NP_00102	XP_00524	protein_co	ENSG0000	80772	28116
CPVL	9.55635	9.43766	9.20139	8.24514	9.0712	10.3969	carboxypeptidase, vitellogenic like [Source:HGNC Symbol;Acc:HG	chr7:29034	NM_01902	XM_01151	.	.	NP_06190	XP_01151	protein_co	ENSG0000	54504	14399
CPXCR1	0	0	0	0	0	0	CPX chromosome region, candidate 1 [Source:HGNC Symbol;Acc:	chrX:88002	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	53336	2332
CPXM1	0.15494	0.15301	0.587273	0.099705	0.144852	0.410528	carboxypeptidase X, M14 family member 1 [Source:HGNC Symbo	chr20:2774	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	56265	15771
CPXM2	0	0	0	0	0.06645	0.032614	carboxypeptidase X, M14 family member 2 [Source:HGNC Symbo	chr10:1254	NM_19814	XM_01153	.	.	NP_93779	XP_00526	protein_co	ENSG0000	119587	26977
CPZ	0	0	0.033552	0.041692	0	0.043758	carboxypeptidase Z [Source:HGNC Symbol;Acc:HGNC:2333]	chr4:85943	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	8532	2333
CR1	0	0	0.009138	0	0	0	complement component 3b/4b receptor 1 (Knops blood group) [S	chr1:20766	NM_00057	XM_01150	.	.	NP_00056	XP_00671	protein_co	ENSG0000	1378	2334
CR1L	0	0	0	0	0	0	complement component 3b/4b receptor 1-like [Source:HGNC Syn	chr1:20781	NM_17571	.	.	.	NP_78364	.	protein_co	ENSG0000	1379	2335
CR2	2.64179	2.17162	3.85686	2.58849	2.09258	2.51848	complement component 3d receptor 2 [Source:HGNC Symbol;Ac	chr1:20762	NM_00100	XM_01150	.	.	NP_00100	XP_01150	protein_co	ENSG0000	1380	2336
CR769776.1	0	0	0	0	0	0	LOC441426 protein; Uncharacterized protein [Source:UniProtKB/	chr9:69377	.	.	.	.	.		protein_co	ENSG0000	.	
CRABP1	0	0	0	0	0	0	cellular retinoic acid binding protein 1 [Source:HGNC Symbol;Acc	chr15:7863	NM_00437	.	.	.	NP_00436	.	protein_co	ENSG0000	1381	2338
CRABP2	211.201	212.74	256.158	96.0401	76.1701	64.3888	cellular retinoic acid binding protein 2 [Source:HGNC Symbol;Acc	chr1:15666	NM_00119	.	.	.	NP_00118	XP_01685	protein_co	ENSG0000	1382	2339
CRACR2A	4.3328	4.01193	3.82339	3.3637	3.88409	3.02547	calcium release activated channel regulator 2A [Source:HGNC Syr	chr12:3724	NM_00114	XM_01152	.	.	NP_00113	XP_00671	protein_co	ENSG0000	84766	28657
CRACR2B	2.69607	2.1196	3.5177	2.45548	1.73494	2.33993	calcium release activated channel regulator 2B [Source:HGNC Syr	chr11:8275	NM_00128	XM_01701	.	.	NP_00127	XP_01151	protein_co	ENSG0000	283229	28703
CRADD	8.74679	7.12031	8.87013	9.30221	7.1258	7.90885	CASP2 and RIPK1 domain containing adaptor with death domain	chr12:9407	NM_00132	XM_01702	.	.	NP_00130	XP_00526	protein_co	ENSG0000	8738	2340
CRAMP1	7.39005	7.48749	6.91532	6.92803	7.24496	5.87759	cramped chromatin regulator homolog 1 [Source:HGNC Symbol;A	chr16:1662	NM_02082	.	.	.	NP_06587	.	protein_co	ENSG0000	57585	14122
CRAT	8.6769	9.03591	10.2488	14.1555	11.4742	13.6946	carnitine O-acetyltransferase [Source:HGNC Symbol;Acc:HGNC:23	chr9:13185	NM_00075	XM_00525	.	.	NP_00074	XP_00525	protein_co	ENSG0000	1384	2342
CRB1	0.020698	0.021798	0.017896	0	0	0.036271	crumbs 1, cell polarity complex component [Source:HGNC Symbo	chr1:19723	NM_00119	XM_01700	.	.	NP_00118	XP_01150	protein_co	ENSG0000	23418	2343
CRB2	0.017396	0	0.059095	0	0.040657	0.03886	crumbs 2, cell polarity complex component [Source:HGNC Symbo	chr9:12611	NM_17368	XM_01151	.	.	NP_77596	XP_00525	protein_co	ENSG0000	286204	18688
CRB3	31.0444	32.3555	28.252	32.185	23.3689	29.5086	crumbs 3, cell polarity complex component [Source:HGNC Symbo	chr19:6463	NM_13916	XM_00525	.	.	NP_63190	XP_00525	protein_co	ENSG0000	92359	20237
CRBN	7.76496	7.26369	7.69647	6.76993	6.31577	6.49815	cereblon [Source:HGNC Symbol;Acc:HGNC:30185]	chr3:31916	NM_00117	XM_01153	.	.	NP_00116	XP_00526	protein_co	ENSG0000	51185	30185
CRCP	18.3819	18.5738	19.4547	18.6526	20.2482	15.0147	CGRP receptor component [Source:HGNC Symbol;Acc:HGNC:178	chr7:65540	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	27297	17888
CRCT1	0	0	0	0	0	0	cysteine rich C-terminal 1 [Source:HGNC Symbol;Acc:HGNC:2987	chr1:15248	NM_01906	XM_01150	.	.	NP_06193	XP_01150	protein_co	ENSG0000	54544	29875
CREB1	7.3738	8.71013	8.51244	9.59588	11.2529	10.3972	cAMP responsive element binding protein 1 [Source:HGNC Symb	chr2:20839	NM_00437	XM_01700	.	.	NP_00437	XP_01150	protein_co	ENSG0000	1385	2345
CREB3	23.5774	24.7087	19.9137	22.762	18.776	17.209	cAMP responsive element binding protein 3 [Source:HGNC Symb	chr9:35696	NM_00636	.	.	.	NP_00635	.	protein_co	ENSG0000	10488	2347
CREB3L1	0.110375	0.109111	0.238899	0.147716	0.095817	0.091698	cAMP responsive element binding protein 3 like 1 [Source:HGNC	chr11:4629	NM_05285	.	.	.	NP_44308	.	protein_co	ENSG0000	90993	18856
CREB3L2	12.5411	12.5689	12.5454	10.1567	11.1797	14.0665	cAMP responsive element binding protein 3 like 2 [Source:HGNC	chr7:13755	NM_00125	XM_01701	.	.	NP_00124	XP_00525	protein_co	ENSG0000	64764	23720
CREB3L3	0.219712	0.058737	0.085977	0.379123	0.119043	0.163623	cAMP responsive element binding protein 3 like 3 [Source:HGNC	chr19:4153	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	84699	18855
CREB3L4	9.60498	9.3346	6.90057	10.8347	8.40281	7.86551	cAMP responsive element binding protein 3 like 4 [Source:HGNC	chr1:15393	NM_00125	XM_01700	.	.	NP_00124	XP_00671	protein_co	ENSG0000	148327	18854
CREB5	0.821598	1.14916	0.840007	0.513836	0.717536	1.7532	cAMP responsive element binding protein 5 [Source:HGNC Symb	chr7:28338	NM_00101	XM_01701	.	.	NP_00101	XP_00524	protein_co	ENSG0000	9586	16844
CREBBP	8.33963	9.64052	7.02697	7.68884	7.52998	6.58432	CREB binding protein [Source:HGNC Symbol;Acc:HGNC:2348]	chr16:3775	NM_00107	XM_01702	.	.	NP_00107	XP_00525	protein_co	ENSG0000	1387	2348
CREBL2	7.07442	6.62923	8.44698	5.49171	6.50198	9.30153	cAMP responsive element binding protein like 2 [Source:HGNC Sy	chr12:1276	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	1389	2350
CREBRF	1.99233	2.22745	2.0488	0.767695	1.0412	2.10067	CREB3 regulatory factor [Source:HGNC Symbol;Acc:HGNC:24050]	chr5:17248	NM_00116	XM_01153	.	.	NP_00116	XP_00526	protein_co	ENSG0000	153222	24050
CREBZF	23.7821	24.8633	24.3649	18.6786	26.3474	16.8261	CREB/ATF bZIP transcription factor [Source:HGNC Symbol;Acc:HG	chr11:8537	NM_00103	XM_01154	.	.	NP_00103	XP_00671	protein_co	ENSG0000	58487	24905
CREG1	35.5582	34.76	45.8165	30.6504	35.8536	45.1849	cellular repressor of E1A stimulated genes 1 [Source:HGNC Symb	chr1:16751	NM_00385	.	.	.	NP_00384	.	protein_co	ENSG0000	8804	2351
CREG2	0.012338	0.039632	0.032234	0.056334	0.054687	0.072118	cellular repressor of E1A stimulated genes 2 [Source:HGNC Symb	chr2:10196	NM_15383	.	.	.	NP_72257	.	protein_co	ENSG0000	200407	14272

CRELD1	12.6245	12.9224	8.24069	11.8857	9.87703	10.6404	cysteine rich with EGF like domains 1 [Source:HGNC Symbol;Acc:H	chr3:99755	NM_00103	XM_01153	.	.	NP_00102	XP_011532	protein_co	ENSG0000	78987	14630
CRELD2	76.0912	73.1532	27.7523	64.2765	51.7302	37.3623	cysteine rich with EGF like domains 2 [Source:HGNC Symbol;Acc:H	chr22:5031	NM_00113	XM_00526	.	.	NP_00112	XP_005261	protein_co	ENSG0000	79174	28150
CREM	14.2344	13.8806	10.8335	12.4732	13.0363	19.6695	cAMP responsive element modulator [Source:HGNC Symbol;Acc:	chr10:3541	NM_00126	XM_01701	.	.	NP_00125	XP_006717	protein_co	ENSG0000	1390	2352
CRH	0	0	0	0	0	0	corticotropin releasing hormone [Source:HGNC Symbol;Acc:HGN	chr8:67088	NM_00075	.	.	.	NP_00074	XP_016868	protein_co	ENSG0000	1392	2355
CRHBP	0	0	0	0	0	0	corticotropin releasing hormone binding protein [Source:HGNC S	chr5:76248	NM_00188	.	.	.	NP_00187	.	protein_co	ENSG0000	1393	2356
CRHR1	0.107875	0	0	0	0	0.091192	corticotropin releasing hormone receptor 1 [Source:HGNC Symbo	chr17:4386	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	1394	2357
CRHR2	0	0	0	0	0	0	corticotropin releasing hormone receptor 2 [Source:HGNC Symbo	chr7:30691	NM_00120	XM_01151	.	.	NP_00118	XP_011513	protein_co	ENSG0000	1395	2358
CRIM1	8.94439	9.26658	10.044	5.98361	6.40504	7.99634	cysteine rich transmembrane BMP regulator 1 [Source:HGNC Sym	chr2:36583	NM_01644	XM_01153	.	.	NP_05752	XP_005264	protein_co	ENSG0000	51232	2359
CRIP1	271.066	265.634	254.403	264.283	182.01	139.926	cysteine rich protein 1 [Source:HGNC Symbol;Acc:HGNC:2360]	chr14:1059	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	1396	2360
CRIP2	16.0261	15.2278	21.9027	15.361	12.6089	13.9876	cysteine rich protein 2 [Source:HGNC Symbol;Acc:HGNC:2361]	chr14:1059	NM_00127	.	NR_07308	.	NP_00125	.	protein_co	ENSG0000	1397	2361
CRIP3	0	0	0	0	0	0	cysteine rich protein 3 [Source:HGNC Symbol;Acc:HGNC:17751]	chr6:43266	NM_20692	XM_00524	.	.	NP_99680	XP_005249	protein_co	ENSG0000	401262	17751
CRIPAK	2.741	2.88763	3.43632	2.74509	2.22103	2.71384	cysteine rich PAK1 inhibitor [Source:HGNC Symbol;Acc:HGNC:266	chr4:13853	NM_17591	.	.	.	NP_78711	.	protein_co	ENSG0000	285464	26619
CRIPT	7.99902	8.98683	7.77637	8.2629	8.3157	10.2931	CXXC repeat containing interactor of PDZ3 domain [Source:HGNC	chr2:46844	NM_01417	.	.	.	NP_05489	.	protein_co	ENSG0000	9419	14312
CRISP1	0	0	0	0	0	0	cysteine rich secretory protein 1 [Source:HGNC Symbol;Acc:HGN	chr6:49801	NM_00113	XM_00671	.	.	NP_00112	.	protein_co	ENSG0000	167	304
CRISP2	0	0	0	0	0	0	cysteine rich secretory protein 2 [Source:HGNC Symbol;Acc:HGN	chr6:49660	NM_00114	XM_01151	.	.	NP_00113	XP_005249	protein_co	ENSG0000	7180	12024
CRISP3	0	0.078777	0.063838	0	0	0	cysteine rich secretory protein 3 [Source:HGNC Symbol;Acc:HGN	chr6:49695	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	10321	16904
CRISPLD1	0	0	0	0	0	0.037256	cysteine rich secretory protein LCCL domain containing 1 [Source	chr8:75896	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	83690	18206
CRISPLD2	1.52044	1.67835	2.22918	1.98851	2.23338	2.32246	cysteine rich secretory protein LCCL domain containing 2 [Source	chr16:8485	NM_03147	XM_00525	.	.	NP_11366	XP_005256	protein_co	ENSG0000	83716	25248
CRK	38.8323	41.1661	41.4622	41.0829	46.937	46.0664	CRK proto-oncogene, adaptor protein [Source:HGNC Symbol;Acc:	chr17:1323	NM_00520	.	.	.	NP_00519	.	protein_co	ENSG0000	1398	2362
CRKL	38.7401	40.1804	40.8414	40.8081	41.695	42.5524	CRK like proto-oncogene, adaptor protein [Source:HGNC Symbol;	chr22:2127	NM_00520	.	.	.	NP_00519	.	protein_co	ENSG0000	1399	2363
CRLF1	20.0174	18.8925	32.4441	29.3218	23.2974	25.0886	cytokine receptor like factor 1 [Source:HGNC Symbol;Acc:HGNC:2	chr19:1870	NM_00475	.	.	.	NP_00474	XP_011526	protein_co	ENSG0000	9244	2364
CRLF2	0.388743	0.392672	0.112735	0.28255	0.120726	0.13723	cytokine receptor-like factor 2 [Source:HGNC Symbol;Acc:HGNC:1	chrX:13148	NM_00101	XM_01154	.	.	NP_00101	XP_011543	protein_co	ENSG0000	64109	14281
CRLF3	14.3055	15.5753	15.9393	14.907	16.6701	16.6932	cytokine receptor like factor 3 [Source:HGNC Symbol;Acc:HGNC:1	chr17:2910	NM_01598	.	.	.	NP_05707	.	protein_co	ENSG0000	51379	17177
CRLS1	16.8228	14.1584	18.3569	13.7211	20.9893	20.1177	cardiolipin synthase 1 [Source:HGNC Symbol;Acc:HGNC:16148]	chr20:5986	NM_00112	XM_01152	.	.	NP_00112	XP_005260	protein_co	ENSG0000	54675	16148
CRMP1	0	0	0	0	0.028447	0	collapsin response mediator protein 1 [Source:HGNC Symbol;Acc	chr4:58224	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	1400	2365
CRNKL1	11.7977	12.4466	11.3351	13.5879	13.8771	12.8471	crooked neck pre-mRNA splicing factor 1 [Source:HGNC Symbol;A	chr20:2001	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	51340	15762
CRNN	0	0	0	0	0	0	cornulin [Source:HGNC Symbol;Acc:HGNC:1230]	chr1:15238	NM_01619	.	.	.	NP_05727	.	protein_co	ENSG0000	49860	1230
CROCC	5.21368	5.88804	4.99484	3.98962	3.3085	3.88465	ciliary rootlet coiled-coil, rootletin [Source:HGNC Symbol;Acc:HG	chr1:17248	NM_01467	XM_01700	.	.	NP_05549	XP_006711	protein_co	ENSG0000	9696	21299
CROCC2	0	0	0	0	0	0	ciliary rootlet coiled-coil, rootletin family member 2 [Source:HGN	chr2:24184	.	XM_01151	.	.	.	.	protein_co	ENSG0000	.	51677
CROT	0	0	0	0	0	0	carnitine O-octanoyltransferase [Source:HGNC Symbol;Acc:HGNC	chr7:86974	NM_00114	XM_01151	.	.	NP_00113	XP_011514	protein_co	ENSG0000	54677	2366
CRP	0	0	0	0	0	0	C-reactive protein, pentraxin-related [Source:HGNC Symbol;Acc:H	chr1:15968	NM_00056	XM_01150	.	.	NP_00055	XP_011507	protein_co	ENSG0000	1401	2367
CRTAC1	0	0	0	0	0	0	cartilage acidic protein 1 [Source:HGNC Symbol;Acc:HGNC:14882	chr10:9960	NM_00120	XM_01153	.	.	NP_00119	XP_005269	protein_co	ENSG0000	55118	14882
CRTAM	0	0	0	0.038135	0	0.033817	cytotoxic and regulatory T-cell molecule [Source:HGNC Symbol;A	chr11:1227	NM_00130	XM_01154	.	.	NP_00129	XP_011541	protein_co	ENSG0000	56253	24313
CRTAP	46.8461	45.303	55.4171	45.0221	42.4606	43.2856	cartilage associated protein [Source:HGNC Symbol;Acc:HGNC:237	chr3:33155	NM_00637	.	.	.	NP_00636	.	protein_co	ENSG0000	10491	2379
CRTC1	5.35959	5.69488	5.05094	5.49078	4.76855	4.74073	CREB regulated transcription coactivator 1 [Source:HGNC Symbol	chr19:1879	NM_00109	XM_01152	.	.	NP_00109	XP_005259	protein_co	ENSG0000	23373	16062
CRTC2	18.675	19.3801	15.6876	16.2614	15.224	13.7576	CREB regulated transcription coactivator 2 [Source:HGNC Symbol	chr1:15392	NM_18171	XM_01150	.	.	NP_85906	XP_005245	protein_co	ENSG0000	200186	27301
CRTC3	7.32947	8.72538	8.18162	7.64699	7.81441	7.06849	CREB regulated transcription coactivator 3 [Source:HGNC Symbol	chr15:9107	NM_00104	XM_01152	.	.	NP_00103	XP_005255	protein_co	ENSG0000	64784	26148
CRX	0	0	0	0	0	0.035904	cone-rod homeobox [Source:HGNC Symbol;Acc:HGNC:2383]	chr19:4832	NM_00055	.	.	.	NP_00054	.	protein_co	ENSG0000	1406	2383
CRY1	11.1238	10.6839	7.50055	10.766	10.6572	12.4751	cryptochrome circadian clock 1 [Source:HGNC Symbol;Acc:HGNC:	chr12:1073	NM_00407	XM_01153	.	.	NP_00406	XP_016874	protein_co	ENSG0000	1407	2384
CRY2	4.55971	4.85422	4.1411	4.88987	4.33659	5.60305	cryptochrome circadian clock 2 [Source:HGNC Symbol;Acc:HGNC:	chr11:4586	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	1408	2385
CRYAA	0	0	0	0	0	0	crystallin alpha A [Source:HGNC Symbol;Acc:HGNC:2388]	chr21:4458	NM_00039	XM_00526	.	.	NP_00038	XP_005261	protein_co	ENSG0000	102724652	2388
CRYAB	0	0.160088	0	0	0	0	crystallin alpha B [Source:HGNC Symbol;Acc:HGNC:2389]	chr11:1117	NM_00128	XM_01154	.	.	NP_00127	XP_011540	protein_co	ENSG0000	1410	2389
CRYBA1	0	0	0	0	0	0	crystallin beta A1 [Source:HGNC Symbol;Acc:HGNC:2394]	chr17:2757	NM_00520	.	.	.	NP_00519	.	protein_co	ENSG0000	1411	2394
CRYBA2	0	0	0.120276	0	0	0.128083	crystallin beta A2 [Source:HGNC Symbol;Acc:HGNC:2395]	chr2:21985	NM_05709	XM_01151	.	.	NP_47643	XP_011508	protein_co	ENSG0000	1412	2395
CRYBA4	0	0.10613	0.092542	0.232292	0	0	crystallin beta A4 [Source:HGNC Symbol;Acc:HGNC:2396]	chr22:2701	NM_00188	XM_01702	.	.	NP_00187	XP_006724	protein_co	ENSG0000	1413	2396
CRYBB1	0	0	0.06673	0.166524	0	0	crystallin beta B1 [Source:HGNC Symbol;Acc:HGNC:2397]	chr22:2699	NM_00188	XM_01152	.	.	NP_00187	XP_011528	protein_co	ENSG0000	1414	2397
CRYBB2	0.24199	0.24226	0.631046	0.870209	1.2116	0.61234	crystallin beta B2 [Source:HGNC Symbol;Acc:HGNC:2398]	chr22:2561	NM_00049	XM_01152	.	.	NP_00048	XP_006724	protein_co	ENSG0000	1415	2398
CRYBB3	0.211686	0.521307	0	0.483552	0.203285	0.115959	crystallin beta B3 [Source:HGNC Symbol;Acc:HGNC:2400]	chr22:2559	NM_00407	XM_01152	.	.	NP_00406	XP_011528	protein_co	ENSG0000	1417	2400
CRYBG3	3.44183	3.72964	3.66393	3.3581	4.10681	3.78773	crystallin beta-gamma domain containing 3 [Source:HGNC Symbo	chr3:97540	NM_15360	XM_00524	.	.	NP_70583	XP_005247	protein_co	ENSG0000	131544	34427
CRYGA	0	0	0	0	0	0	crystallin gamma A [Source:HGNC Symbol;Acc:HGNC:2408]	chr2:20902	NM_01461	.	.	.	NP_05543	.	protein_co	ENSG0000	1418	2408
CRYGB	0	0	0	0	0	0	crystallin gamma B [Source:HGNC Symbol;Acc:HGNC:2409]	chr2:20900	NM_00521	.	.	.	NP_00520	XP_016858	protein_co	ENSG0000	1419	2409
CRYGC	0	0	0	0	0	0.333755	crystallin gamma C [Source:HGNC Symbol;Acc:HGNC:2410]	chr2:20899	NM_02098	XM_01151	.	.	NP_06626	XP_011508	protein_co	ENSG0000	1420	2410
CRYGD	0	0	0	0	0	0	crystallin gamma D [Source:HGNC Symbol;Acc:HGNC:2411]	chr2:20898	NM_00689	.	.	.	NP_00882	.	protein_co	ENSG0000	1421	2411
CRYGN	0	0	0	0	0	0	crystallin gamma N [Source:HGNC Symbol;Acc:HGNC:20458]	chr7:15112	NM_00130	XM_00524	NR_13177	.	NP_00129	XP_005250	protein_co	ENSG0000	155051	20458
CRYGS	4.39708	2.03079	2.7	1.43041	2.97794	1.62695	crystallin gamma S [Source:HGNC Symbol;Acc:HGNC:2417]	chr3:18625	NM_01754	.	.	.	NP_06001	.	protein_co	ENSG0000	1427	2417
CRYL1	11.6305	12.6548	20.051	13.4945	12.182	18.3214	crystallin lambda 1 [Source:HGNC Symbol;Acc:HGNC:18246]	chr13:2097	NM_01597	XM_00526	.	.	NP_05705	XP_005266	protein_co	ENSG0000	51084	18246
CRYM	2.72899	2.61287	4.42422	6.28217	4.01507	6.25743	crystallin mu [Source:HGNC Symbol;Acc:HGNC:2418]	chr16:2126	NM_00188	XM_01154	.	.	NP_00187	XP_011544	protein_co	ENSG0000	1428	2418
CRYZ	21.9336	21.6608	17.9351	21.6668	21.115	15.8339	crystallin zeta [Source:HGNC Symbol;Acc:HGNC:2419]	chr1:75171	NM_00113	XM_01154	.	.	NP_00112	XP_005270	protein_co	ENSG0000	1429	2419
CRYZL1	8.66636	9.20415	8.85061	7.11182	7.62654	7.72816	crystallin zeta like 1 [Source:HGNC Symbol;Acc:HGNC:2420]	chr21:3487	NM_14585	.	.	.	NP_66585	.	protein_co	ENSG0000	9946	2420

CS	81.1706	85.8443	83.5843	93.8371	82.2002	81.8955	citrate synthase [Source:HGNC Symbol;Acc:HGNC:2422]	chr12:5666	NM_00407	.	.	.	NP_00406	.	protein_co	ENSG0000	1431	2422
CSAD	4.53089	3.72648	4.03863	4.36012	4.20941	3.09195	cysteine sulfinic acid decarboxylase [Source:HGNC Symbol;Acc:H	chr12:5355	NM_00124	XM_01153	.	.	NP_00123	XP_01153	protein_co	ENSG0000	51380	18966
CSAG1	1.96531	0.94504	0.908795	1.68468	1.77977	1.98577	chondrosarcoma associated gene 1 [Source:HGNC Symbol;Acc:H	chrX:15190	NM_0011	.	.	.	NP_00109	.	protein_co	ENSG0000	158511	24294
CSDC2	0	0.05794	0.050891	0.062926	0	0.066422	cold shock domain containing C2 [Source:HGNC Symbol;Acc:HGN	chr22:4195	NM_01446	.	.	.	NP_05527	.	protein_co	ENSG0000	27254	30359
CSDE1	175.793	173.753	161.972	180.123	191.408	194.962	cold shock domain containing E1 [Source:HGNC Symbol;Acc:HGN	chr1:11525	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	7812	29905
CSE1L	86.9014	79.1692	78.1364	99.052	122.238	99.3881	chromosome segregation 1 like [Source:HGNC Symbol;Acc:HGNC	chr20:4766	NM_00129	XM_01152	.	.	NP_00124	XP_01152	protein_co	ENSG0000	1434	2431
CSF1	3.43439	3.89111	3.16948	1.70714	1.14804	0.82503	colony stimulating factor 1 [Source:HGNC Symbol;Acc:HGNC:243	chr1:11045	NM_00075	.	.	.	NP_00074	XP_01685	protein_co	ENSG0000	1435	2432
CSF1R	0.13741	0.085841	0.245883	0.110664	0.297269	0.168521	colony stimulating factor 1 receptor [Source:HGNC Symbol;Acc:H	chr5:14943	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	1436	2433
CSF2	0.833839	0.209436	0.181569	0.224147	0	0.11275	colony stimulating factor 2 [Source:HGNC Symbol;Acc:HGNC:243	chr5:13140	NM_00075	.	.	.	NP_00074	.	protein_co	ENSG0000	1437	2434
CSF2RA	0.748545	0.73176	1.44724	1.00537	0.828901	1.46872	colony stimulating factor 2 receptor alpha subunit [Source:HGNC	chrX:13876	NM_0011	XM_01154	.	.	NP_00115	XP_01154	protein_co	ENSG0000	1438	2435
CSF2RB	0.075225	0	0	0	0	0	colony stimulating factor 2 receptor beta common subunit [Sour	chr22:3730	NM_00039	XM_01152	.	.	NP_00038	XP_00526	protein_co	ENSG0000	1439	2436
CSF3	0	0	0.05328	0	0	0	colony stimulating factor 3 [Source:HGNC Symbol;Acc:HGNC:243	chr17:3817	NM_00075	.	.	.	NP_00075	.	protein_co	ENSG0000	1440	2438
CSF3R	0	0	0	0	0	0	colony stimulating factor 3 receptor [Source:HGNC Symbol;Acc:H	chr1:36931	NM_00076	XM_01154	.	.	NP_00075	XP_00527	protein_co	ENSG0000	1441	2439
CSGALNACT1	0.179253	0.167908	0.312586	0.073082	0.075921	0.218969	chondroitin sulfate N-acetylgalactosaminyltransferase 1 [Source:	chr8:19261	NM_00113	XM_01701	.	.	NP_00112	XP_00671	protein_co	ENSG0000	55790	24290
CSGALNACT2	6.66327	7.02052	4.80983	4.39773	4.95852	6.97804	chondroitin sulfate N-acetylgalactosaminyltransferase 2 [Source:	chr10:4363	NM_01859	.	.	.	NP_06106	.	protein_co	ENSG0000	55454	24292
CSH1	0	0	0	0	0	0	chorionic somatomammotropin hormone 1 [Source:HGNC Symbo	chr17:6197	NM_00131	XM_01152	.	.	NP_00130	XP_01152	protein_co	ENSG0000	1444	2440
CSH2	0	0	0	0	0	0	chorionic somatomammotropin hormone 2 [Source:HGNC Symbo	chr17:6194	NM_02099	.	.	.	NP_06627	.	protein_co	ENSG0000	1443	2441
CSHL1	0	0	0	0	0	0	chorionic somatomammotropin hormone like 1 [Source:HGNC Sy	chr17:6198	NM_00131	XM_01152	.	.	NP_00130	XP_01152	protein_co	ENSG0000	1444	2442
CSK	32.8339	37.6027	32.6631	37.0394	33.1904	26.6173	c-src tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:2444]	chr15:7507	NM_00112	XM_01702	.	.	NP_00112	XP_00525	protein_co	ENSG0000	1445	2444
CSMD1	0	0	0	0	0	0	CUB and Sushi multiple domains 1 [Source:HGNC Symbol;Acc:HG	chr8:27928	NM_03322	XM_01153	.	.	NP_15009	XP_01153	protein_co	ENSG0000	64478	14026
CSMD2	0	0.023644	0.080022	0.050767	0.131605	0.072863	CUB and Sushi multiple domains 2 [Source:HGNC Symbol;Acc:HG	chr1:33979	NM_00128	XM_01154	.	.	NP_00126	.	protein_co	ENSG0000	114784	19290
CSMD3	0.01183	0	0.010282	0	0.013125	0	CUB and Sushi multiple domains 3 [Source:HGNC Symbol;Acc:HG	chr8:11323	NM_05290	XM_01701	.	.	NP_44313	XP_01151	protein_co	ENSG0000	114788	19291
CSN1S1	0	0	0	0	0	0	casein alpha s1 [Source:HGNC Symbol;Acc:HGNC:2445]	chr4:70796	NM_00102	XM_00671	.	.	NP_00102	XP_00671	protein_co	ENSG0000	1446	2445
CSN2	0	0	0	0	0	0	casein beta [Source:HGNC Symbol;Acc:HGNC:2447]	chr4:70820	NM_00130	XM_01700	.	.	NP_00128	XP_01152	protein_co	ENSG0000	1447	2447
CSN3	0	0	0	0	0	0	casein kappa [Source:HGNC Symbol;Acc:HGNC:2446]	chr4:71108	NM_00521	XM_01700	.	.	NP_00520	XP_01152	protein_co	ENSG0000	1448	2446
CSNK1A1	107.185	104.461	90.7104	109.342	124.982	130.456	casein kinase 1 alpha 1 [Source:HGNC Symbol;Acc:HGNC:2451]	chr5:14887	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	1452	2451
CSNK1A1L	1.36607	0.978252	1.26506	1.25701	1.66757	1.61727	casein kinase 1 alpha 1 like [Source:HGNC Symbol;Acc:HGNC:20	chr13:3767	NM_14520	.	.	.	NP_66020	.	protein_co	ENSG0000	122011	20289
CSNK1D	65.9629	64.2638	67.2504	67.3058	61.8798	60.2238	casein kinase 1 delta [Source:HGNC Symbol;Acc:HGNC:2452]	chr17:8018	NM_00189	XM_00525	.	.	NP_00188	XP_00525	protein_co	ENSG0000	1453	2452
CSNK1E	50.9286	52.8412	52.601	56.4239	47.2878	52.6368	casein kinase 1 epsilon [Source:HGNC Symbol;Acc:HGNC:2453]	chr22:3868	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	102800317	2453
CSNK1G1	7.99818	9.01792	8.5338	6.65018	7.53626	8.24456	casein kinase 1 gamma 1 [Source:HGNC Symbol;Acc:HGNC:2454]	chr15:6445	NM_00132	.	.	.	NP_00131	.	protein_co	ENSG0000	53944	2454
CSNK1G2	52.7291	53.8708	54.0427	60.0398	51.6263	53.2642	casein kinase 1 gamma 2 [Source:HGNC Symbol;Acc:HGNC:2455]	chr19:1941	NM_00131	XM_00525	.	.	NP_00131	XP_00525	protein_co	ENSG0000	1455	2455
CSNK1G3	15.2747	15.7096	14.289	12.921	14.883	21.3316	casein kinase 1 gamma 3 [Source:HGNC Symbol;Acc:HGNC:2456]	chr5:12284	NM_00103	XM_00527	.	.	NP_00102	XP_00527	protein_co	ENSG0000	1456	2456
CSNK2A1	74.7648	76.1358	68.3935	79.6631	83.1346	90.626	casein kinase 2 alpha 1 [Source:HGNC Symbol;Acc:HGNC:2457]	chr20:4590	NM_00189	XM_01152	.	.	NP_00188	XP_01152	protein_co	ENSG0000	1457	2457
CSNK2A2	22.74	23.0958	22.3105	27.0552	27.8777	23.0829	casein kinase 2 alpha 2 [Source:HGNC Symbol;Acc:HGNC:2459]	chr16:5819	NM_00189	XM_00525	.	.	NP_00188	XP_00525	protein_co	ENSG0000	1459	2459
CSNK2A3	24.1436	21.7797	24.9754	23.1529	27.2493	30.3098	casein kinase 2 alpha 3 [Source:HGNC Symbol;Acc:HGNC:2458]	chr11:1129	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	283106	2458
CSNK2B	167.525	160.83	146.985	185.604	146.872	137.821	casein kinase 2 beta [Source:HGNC Symbol;Acc:HGNC:2460]	chr6:31629	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	1460	2460
CSPG4	6.76116	7.49153	6.61194	6.14768	6.18878	6.37084	chondroitin sulfate proteoglycan 4 [Source:HGNC Symbol;Acc:HG	chr15:7596	NM_00189	.	.	.	NP_00188	.	protein_co	ENSG0000	1464	2466
CSPG5	2.51372	2.51415	3.7125	2.18821	2.6064	3.53604	chondroitin sulfate proteoglycan 5 [Source:HGNC Symbol;Acc:HG	chr3:47603	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	10675	2467
CSPP1	8.79464	9.06456	9.47314	8.34717	9.91813	7.87972	centrosome and spindle pole associated protein 1 [Source:HGNC	chr8:67955	NM_00129	XM_01151	.	.	NP_00127	XP_00525	protein_co	ENSG0000	79848	26193
CSRNP1	8.55961	9.32583	6.405	6.96839	7.05026	5.84185	cysteine and serine rich nuclear protein 1 [Source:HGNC Symbol;	chr3:39183	NM_00132	XM_01153	.	.	NP_00130	XP_00526	protein_co	ENSG0000	64651	14300
CSRNP2	7.42363	7.97352	7.22103	8.76989	8.01214	10.1446	cysteine and serine rich nuclear protein 2 [Source:HGNC Symbol;	chr12:5145	NM_03080	XM_00671	.	.	NP_11043	XP_00671	protein_co	ENSG0000	81566	16006
CSRNP3	0.096112	0.080111	0.145554	0.008497	0	0.027223	cysteine and serine rich nuclear protein 3 [Source:HGNC Symbol;	chr2:16632	NM_00117	XM_00524	.	.	NP_00116	XP_00524	protein_co	ENSG0000	80034	30729
CSRP1	51.4366	49.8714	40.8442	54.7181	45.0919	39.3234	cysteine and glycine rich protein 1 [Source:HGNC Symbol;Acc:HG	chr1:20145	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	1465	2469
CSRP2	38.5166	30.882	33.7426	57.3995	43.681	42.3347	cysteine and glycine rich protein 2 [Source:HGNC Symbol;Acc:HG	chr12:7729	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	1466	2470
CSRP3	0	0	0	0	0	0	cysteine and glycine rich protein 3 [Source:HGNC Symbol;Acc:HG	chr11:1920	NM_00347	.	.	.	NP_00346	.	protein_co	ENSG0000	8048	2472
CST1	0	0	0.090584	0	0.117937	0	cystatin SN [Source:HGNC Symbol;Acc:HGNC:2473]	chr20:2372	NM_00189	.	.	.	NP_00188	.	protein_co	ENSG0000	1469	2473
CST11	0	0	0	0	0	0	cystatin 11 [Source:HGNC Symbol;Acc:HGNC:15959]	chr20:2343	NM_08083	.	.	.	NP_54302	.	protein_co	ENSG0000	140880	15959
CST2	0	0	0	0	0	0	cystatin SA [Source:HGNC Symbol;Acc:HGNC:2474]	chr20:2380	NM_00132	.	.	.	NP_00131	.	protein_co	ENSG0000	1470	2474
CST3	101.442	102.664	111.3	113.657	87.2566	97.5096	cystatin C [Source:HGNC Symbol;Acc:HGNC:2475]	chr20:2360	NM_00009	.	.	.	NP_00009	.	protein_co	ENSG0000	1471	2475
CST4	0	0	0	0	0	0	cystatin S [Source:HGNC Symbol;Acc:HGNC:2476]	chr20:2366	NM_00189	.	.	.	NP_00189	.	protein_co	ENSG0000	1472	2476
CST5	0	0	0	0	0	0	cystatin D [Source:HGNC Symbol;Acc:HGNC:2477]	chr20:2385	NM_00190	.	.	.	NP_00189	.	protein_co	ENSG0000	1473	2477
CST6	47.4552	43.8325	41.8031	57.1365	40.8986	44.944	cystatin E/M [Source:HGNC Symbol;Acc:HGNC:2478]	chr11:6577	NM_00132	.	.	.	NP_00131	.	protein_co	ENSG0000	1474	2478
CST7	0	0	0	0	0	0	cystatin F [Source:HGNC Symbol;Acc:HGNC:2479]	chr20:2492	NM_00365	.	.	.	NP_00364	.	protein_co	ENSG0000	8530	2479
CST8	0	0	0	0	0	0	cystatin 8 [Source:HGNC Symbol;Acc:HGNC:2480]	chr20:2347	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	10047	2480
CST9	0	0	0	0	0	0	cystatin 9 [Source:HGNC Symbol;Acc:HGNC:13261]	chr20:2358	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	128822	13261
CST9L	0	0	0	0	0	0	cystatin 9-like [Source:HGNC Symbol;Acc:HGNC:16233]	chr20:2354	NM_08061	.	.	.	NP_54217	.	protein_co	ENSG0000	128821	16233
CSTA	30.7393	28.4833	21.4965	5.11133	4.1241	12.2141	cystatin A [Source:HGNC Symbol;Acc:HGNC:2481]	chr3:12204	NM_00521	.	.	.	NP_00520	.	protein_co	ENSG0000	1475	2481
CSTB	63.1043	60.5832	56.1646	83.9934	65.3081	51.7238	cystatin B [Source:HGNC Symbol;Acc:HGNC:2482]	chr21:4519	NM_0010	.	.	.	NP_00009	.	protein_co	ENSG0000	1476	2482
CSTF1	15.1151	14.6387	14.8087	17.753	18.131	15.5878	cleavage stimulation factor subunit 1 [Source:HGNC Symbol;Acc:	chr20:5496	NM_00103	XM_01152	.	.	NP_00102	XP_01152	protein_co	ENSG0000	1477	2483

CSTF2	22.0643	23.0684	17.3003	27.3009	24.8681	18.8957	cleavage stimulation factor subunit 2 [Source:HGNC Symbol;Acc:H	chrX:10007	NM_00130	XM_01153	.	.	NP_00129	XP_011529	protein_co	ENSG0000	1478	2484
CSTF2T	17.06	17.1683	13.8663	19.2505	18.4004	13.7208	cleavage stimulation factor subunit 2, tau variant [Source:HGNC S	chr10:5275	NM_01523	.	.	.	NP_05605	.	protein_co	ENSG0000	23283	17086
CSTF3	28.8142	26.5542	27.7436	24.4778	27.7504	29.9686	cleavage stimulation factor subunit 3 [Source:HGNC Symbol;Acc:H	chr11:3310	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	1479	2485
CSTL1	0	0	0	0	0	0	cystatin like 1 [Source:HGNC Symbol;Acc:HGNC:15958]	chr20:2342	NM_13828	.	.	.	NP_61214	.	protein_co	ENSG0000	128817	15958
CT45A1	0	0	0	0	0	0	cancer/testis antigen family 45, member A1 [Source:HGNC Symbo	chrX:13484	NM_00101	XM_01699	.	.	NP_00101	XP_005278	protein_co	ENSG0000	541466	33267
CT45A10	0.153735	0	0	0.681553	0.346172	0.312775	cancer/testis antigen family 45, member A10 [Source:HGNC Symb	chrX:13492	NM_00129	XM_01153	.	.	NP_00127	XP_011529	protein_co	ENSG0000	102723631	51263
CT45A2	0	0	0.111194	0	0	0	cancer/testis antigen family 45, member A2 [Source:HGNC Symbo	chrX:13486	NM_15258	XM_01153	.	.	NP_00130	XP_006724	protein_co	ENSG0000	102723680	28400
CT45A3	0	0	0	0	0	0	cancer/testis antigen family 45, member A3 [Source:HGNC Symbo	chrX:13488	NM_00101	XM_01699	.	.	NP_00101	XP_005278	protein_co	ENSG0000	541466	33268
CT45A4	0	0	0	0	0	0	cancer/testis antigen family 45, member A5 [Source:HGNC Symbo	chrX:13492	NM_00100	XM_01153	.	.	NP_00100	XP_006724	protein_co	ENSG0000	441521	33270
CT45A6	0	0	0	0	0	0	cancer/testis antigen family 45, member A6 [Source:HGNC Symbo	chrX:13496	NM_00101	XM_01153	.	.	NP_00101	XP_005262	protein_co	ENSG0000	541465	33271
CT45A7	0	0	0	2.55E-31	6.97E-20	0	cancer/testis antigen family 45, member A7 [Source:HGNC Symbo	chrX:13492	NM_00129	XM_01153	.	.	NP_00127	XP_003960	protein_co	ENSG0000	101060211	51260
CT45A8	0	0	0	0	0	0	cancer/testis antigen family 45, member A8 [Source:HGNC Symbo	chrX:13486	NM_00129	XM_01153	.	.	NP_00127	XP_006724	protein_co	ENSG0000	102723737	51261
CT45A9	0	0	0	0	0	0	cancer/testis antigen family 45, member A9 [Source:HGNC Symbo	chrX:13496	NM_00129	XM_01153	.	.	NP_00127	XP_006724	protein_co	ENSG0000	102723680	51262
CT47A1	0	0	0	0	0	0	cancer/testis antigen family 47, member A1 [Source:HGNC Symbo	chrX:12011	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	728096	33282
CT47A10	0	0	0	0	0	0	cancer/testis antigen family 47, member A10 [Source:HGNC Symb	chrX:12007	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	728036	33291
CT47A11	0	0	0	0	0	0	cancer/testis antigen family 47, member A11 [Source:HGNC Symb	chrX:12006	NM_17357	.	.	.	NP_77584	.	protein_co	ENSG0000	255313	27397
CT47A12	0	0	0	0	0	0	cancer/testis antigen family 47, member A12 [Source:HGNC Symb	chrX:12006	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	100507170	33292
CT47A2	0	0	0	0	0	0	cancer/testis antigen family 47, member A2 [Source:HGNC Symbo	chrX:12011	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	728090	33283
CT47A3	0	0	0	0	0	0	cancer/testis antigen family 47, member A3 [Source:HGNC Symbo	chrX:12010	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	728082	33284
CT47A4	0	0	0	0	0	0	cancer/testis antigen family 47, member A4 [Source:HGNC Symbo	chrX:12010	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	728075	33285
CT47A5	0	0	0	0	0	0	cancer/testis antigen family 47, member A5 [Source:HGNC Symbo	chrX:12009	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	728072	33286
CT47A6	0	0	0	0	0	0	cancer/testis antigen family 47, member A6 [Source:HGNC Symbo	chrX:12009	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	728062	33287
CT47A7	0	0	0	0	0	0	cancer/testis antigen family 47, member A7 [Source:HGNC Symbo	chrX:12008	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	653282	33288
CT47A8	0	0	0	0	0	0	cancer/testis antigen family 47, member A8 [Source:HGNC Symbo	chrX:12008	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	728049	33289
CT47A9	0	0	0	0	0	0	cancer/testis antigen family 47, member A9 [Source:HGNC Symbo	chrX:12007	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	728042	33290
CT47B1	0	0	0	0	0	0	cancer/testis antigen family 47, member B1 [Source:HGNC Symbo	chrX:12000	NM_00114	XM_01702	.	.	NP_00113	XP_016885	protein_co	ENSG0000	643311	33293
CT55	0	0	0	0	0	0	cancer/testis antigen 55 [Source:HGNC Symbol;Acc:HGNC:26047]	chrX:13429	NM_00103	XM_00526	.	.	NP_00102	XP_005262	protein_co	ENSG0000	54967	26047
CT62	0.038082	0.038964	0.033217	0	0	0	cancer/testis antigen 62 [Source:HGNC Symbol;Acc:HGNC:27286]	chr15:7138	NM_00110	XM_00672	.	.	NP_00109	XP_006720	protein_co	ENSG0000	196993	27286
CT83	0	0	0	0	0	0	cancer/testis antigen 83 [Source:HGNC Symbol;Acc:HGNC:33494]	chrX:11559	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	203413	33494
CTAG1A	0	0	0	0	0	0	cancer/testis antigen 1A [Source:HGNC Symbol;Acc:HGNC:24198]	chrX:15381	NM_13925	.	.	.	NP_64034	.	protein_co	ENSG0000	246100	24198
CTAG1B	0	0	0	0	0	0	cancer/testis antigen 1B [Source:HGNC Symbol;Acc:HGNC:2491]	chrX:15384	NM_00132	.	.	.	NP_00131	.	protein_co	ENSG0000	1485	2491
CTAG2	0	0	0	0	0	0	cancer/testis antigen 2 [Source:HGNC Symbol;Acc:HGNC:2492]	chrX:15388	NM_02099	.	.	.	NP_06627	.	protein_co	ENSG0000	30848	2492
CTAGE1	0.365721	0.249655	0.268569	0.221522	0.316052	0.685842	cutaneous T-cell lymphoma-associated antigen 1 [Source:HGNC S	chr18:1999	NM_17224	.	.	.	NP_75844	.	protein_co	ENSG0000	64693	24346
CTAGE15	0.543441	0.262535	0.173704	0.50504	0.191896	0.342237	CTAGE family member 15 [Source:HGNC Symbol;Acc:HGNC:3729	chr7:14326	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	441294	37295
CTAGE4	0.223908	0.105699	0.218447	0.140788	0.137941	0.221628	CTAGE family member 4 [Source:HGNC Symbol;Acc:HGNC:24772]	chr7:14388	NM_19849	.	.	.	NP_94089	.	protein_co	ENSG0000	100128553	24772
CTAGE5	10.1128	10.3378	9.99227	8.90323	10.6765	15.0304	CTAGE family member 5, ER export factor [Source:HGNC Symbol;	chr14:3970	NM_00124	XM_01702	.	.	NP_00123	XP_005267	protein_co	ENSG0000	4253	7057
CTAGE6	0	0	0	0	0	0	CTAGE family member 6 [Source:HGNC Symbol;Acc:HGNC:28644]	chr7:14331	NM_17856	.	.	.	NP_84865	.	protein_co	ENSG0000	340307	28644
CTAGE8	0.172874	0.367383	0.086769	0.223641	0.246598	0.293387	CTAGE family member 8 [Source:HGNC Symbol;Acc:HGNC:37294]	chr7:14396	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	100142659	37294
CTAGE9	0	0.028882	0.023793	0.030793	0	0.053236	CTAGE family member 9 [Source:HGNC Symbol;Acc:HGNC:37275]	chr6:13194	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	643854	37275
CTB-102L5.4	1.77477	0.501051	6.3E-31	2.44613	1.50238	3.57E-19	.	chr19:3875	.	.	.	.	.	.	protein_co	ENSG0000	.	.
CTB-133G6.1	0	0	0	0	0	0	.	chr19:7413	.	.	.	.	.	.	protein_co	ENSG0000	.	.
CTB-16J4.1	0	0	0	0	0	0	.	chr7:89945	.	.	.	.	.	.	protein_co	ENSG0000	.	.
CTB-25J19.1	0	0	0	0	0	0	.	chr19:7018	.	.	.	.	.	XP_011507	protein_co	ENSG0000	729458	.
CTB-50L17.10	33.7426	35.1777	33.8671	40.895	32.4266	31.2347	Hepatoma-derived growth factor-related protein 2 [Source:UniP	chr19:4472	NM_00100	XM_01152	.	.	NP_00100	XP_011526	protein_co	ENSG0000	84717	.
CTB-54O9.9	0.508773	0.675689	1.46974	1.66425	1.59643	1.48864	.	chr19:5782	.	.	.	.	.	.	protein_co	ENSG0000	.	.
CTB-60B18.10	0.293367	0.14173	0.8151	0.233967	0.171234	0.330142	.	chr19:4952	.	.	NR_07355	.	.	.	protein_co	ENSG0000	101059948	.
CTB-60B18.6	0	0.236757	0.513392	0.128279	0	0	.	chr19:4952	.	.	.	.	.	.	protein_co	ENSG0000	.	.
CTB-96E2.2	0	0	0	0	0	0	.	chr17:2669	.	.	.	.	.	.	protein_co	ENSG0000	.	.
CTBP1	55.1922	56.8444	49.4232	58.1351	52.9869	51.4722	C-terminal binding protein 1 [Source:HGNC Symbol;Acc:HGNC:24	chr4:12052	NM_00101	XM_01700	.	.	NP_00101	XP_005272	protein_co	ENSG0000	1487	2494
CTBP2	56.136	59.7176	48.6493	59.9838	61.2813	58.468	C-terminal binding protein 2 [Source:HGNC Symbol;Acc:HGNC:24	chr10:1266	NM_00108	XM_01153	.	.	NP_00107	XP_005269	protein_co	ENSG0000	1488	2495
CTBS	3.41546	3.39762	4.18286	3.49675	4.8706	6.16368	chitobiase [Source:HGNC Symbol;Acc:HGNC:2496]	chr1:85015	NM_00438	.	.	.	NP_00437	.	protein_co	ENSG0000	1486	2496
CTC1	7.37519	7.64922	8.14042	6.47024	5.19403	6.74099	CTS telomere maintenance complex component 1 [Source:HGNC	chr17:8128	NM_02509	XM_01152	.	.	NP_07937	XP_006721	protein_co	ENSG0000	80169	26169
CTC-260F20.3	2.74346	1.70624	1.98194	2.39817	3.13621	3.25269	.	chr19:1962	.	.	.	.	.	.	protein_co	ENSG0000	.	.
CTC-273B12.7	7.32E-26	0.388373	0.382017	1.17E-43	1.41E-50	5.9E-26	.	chr19:4894	.	.	.	.	.	.	protein_co	ENSG0000	.	.
CTC-281F24.5	0.62686	0.631404	0.559009	0.445756	0.621693	0.501577	.	chr17:6481	.	.	.	.	.	.	protein_co	ENSG0000	.	.
CTC-295J13.3	0	0	0	0	0	0	.	chr5:14760	.	XM_01153	.	.	.	XP_011536	protein_co	ENSG0000	105378220	.
CTC-360G5.8	9.49E-16	1.76E-19	3.79E-10	2.99E-07	1.09E-15	4.18E-31	.	chr19:3940	.	.	.	.	.	.	protein_co	ENSG0000	.	.
CTC-432M15.3	6.1E-07	0.000717	0.04136	8.64E-10	4.24E-11	5.12E-09	.	chr5:13075	.	.	.	.	.	.	protein_co	ENSG0000	.	.
CTC-435M10.3	0.000471	0.589423	1.42748	1.0184	2.34131	0.532255	.	chr19:4183	.	.	.	.	.	.	protein_co	ENSG0000	.	.

CTC-441N14.4	0.050278	0	0.043743	0.056927	0	0	.	chr5:12149	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTC-479C5.6	0.068102	0.069384	0	0	0	0	.	chr16:6804	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000(	100131303	.
CTC-512J12.6	2.18E-86	3.7E-176	5.28E-33	1.16E-48	2.61E-16	3.5E-109	.	chr19:4483	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTC-534A2.2	1.7982	1.94006	2.22211	2.32883	2.59398	2.18499	.	chr5:64920	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTCF	20.1451	22.0147	17.6283	20.77	20.6891	20.4993	CCCTC-binding factor [Source:HGNC Symbol;Acc:HGNC:13723]	chr16:6759	NM_00119	XM_00525	.	.	NP_00117	XP_00525	protein_co	ENSG0000(	10664	13723
CTCFL	0	0.021074	0	0	0	0	CCCTC-binding factor like [Source:HGNC Symbol;Acc:HGNC:1623	chr20:5607	NM_00126	.	.	.	NP_00125	.	protein_co	ENSG0000(	140690	16234
CTD-2006C1.13	9.48E-35	3.37E-24	0.02574	8.26E-30	1.25E-50	2.16E-05	.	chr19:1203	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTD-2132N18.3	5.41E-08	2.83E-10	6E-20	1.61E-10	5.78E-34	1.77E-13	.	chr17:4026	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTD-2135J3.4	0.122323	0.230111	0.107413	9.79E-15	7.88E-06	0.206218	.	chr8:10581	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTD-2140B24.4	5.7E-128	3.2E-135	1.3E-214	1.32E-65	3.2E-109	8.7E-114	.	chr12:1337	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTD-2192J16.17	0.087471	0.037452	0.061378	0	0.019536	0.068236	.	chr19:1257	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTD-2192J16.24	6.3E-142	5.54E-41	6.8E-37	3.94E-50	2.35E-33	9.5E-45	.	chr19:1275	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTD-2207O23.12	4.91E-06	4.35E-05	7.33E-05	1.8E-06	1.96E-06	0.26537	.	chr19:7562	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTD-2207O23.3	4.73E-05	0.000524	8.48E-05	3.54E-05	5.31E-05	7.62E-05	.	chr19:7413	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTD-2287O16.3	1.87E-81	3.1E-14	8.57E-06	0.705693	3E-110	4.1E-196	.	chr5:11529	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTD-2313N18.7	0	0	0	0	0	0	.	chr11:7158	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000(	100129216	.
CTD-2331H12.8	1.27817	1.10725	1.98111	0.08713	2.08423	1.62643	.	chr19:5337	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTD-2370N5.3	0	0	0	0	0	0	.	chr17:2942	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTD-2410N18.5	1.81E-06	3.8976	1.43E-05	2.89008	5.12E-11	1.66E-08	.	chr5:13348	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTD-2510F5.6	2.19E-40	4.68E-56	4.81E-36	6.8E-266	1.5E-27	8.54E-33	.	chr17:5723	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTD-2521M24.10	2.91E-05	0.198991	1.84E-06	2.89E-07	9.78E-09	3.96E-06	.	chr19:1754	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTD-2521M24.13	0	0	0	0	0	0	.	chr19:1750	.	.	.	.	.	XP_011507	protein_co	ENSG0000(	105372343	.
CTD-2537I9.19	0.07561	0	0	0	0	0	.	chr19:5597	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTD-2545M3.6	2.08E-80	1.22E-54	2E-103	2.1E-279	1.11E-15	0	.	chr19:5088	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTD-2568A17.1	0	0	0.603514	0	0	0	.	chr19:5128	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTD-2583A14.10	2.9E-159	0	0.135917	0	0	0.328664	.	chr19:5828	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTD-3074O7.11	7.21E-05	6.55E-05	3.58E-05	0.000146	5.17E-07	2.76E-06	.	chr11:6624	.	.	.	.	.	.	protein_co	ENSG0000(	.	
CTD-3088G3.8	0.331631	0.346796	0.605941	0.587502	0.458431	0.61078	.	chr16:1146	.	XM_01702	.	.	.	XP_016855	protein_co	ENSG0000(	400499	.
CTD-3105H18.16	0.215409	0.181488	5.01E-13	7.77E-14	4.29E-29	3.22E-32	.	chr19:1250	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTD-3214H19.16	6.07E-08	1.12E-05	4.21E-06	4.39E-07	1.06E-06	1.4E-07	.	chr19:7741	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
CTDNEP1	75.1081	72.6956	60.4588	79.7036	69.0925	65.5783	CTD nuclear envelope phosphatase 1 [Source:HGNC Symbol;Acc:I	chr17:7146	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000(	23399	19085
CTDP1	11.9697	11.7094	11.0735	13.3115	12.976	9.2389	CTD phosphatase subunit 1 [Source:HGNC Symbol;Acc:HGNC:249	chr18:7743	NM_00120	XM_01702	.	.	NP_00118	XP_011524	protein_co	ENSG0000(	9150	2498
CTDSP1	38.741	38.1387	31.16	32.4103	33.257	37.4839	CTD small phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:21614	chr2:21926	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000(	58190	21614
CTDSP2	35.2006	33.4814	34.427	22.1772	21.8467	34.0694	CTD small phosphatase 2 [Source:HGNC Symbol;Acc:HGNC:17077	chr12:5821	NM_00573	XM_00526	.	.	NP_00572	XP_005268	protein_co	ENSG0000(	10106	17077
CTDSPL	13.7977	13.9742	14.5954	12.4876	12.2699	12.2516	CTD small phosphatase like [Source:HGNC Symbol;Acc:HGNC:168	chr3:37903	NM_00100	.	.	.	NP_00100	XP_016861	protein_co	ENSG0000(	10217	16890
CTDSPL2	13.0129	10.7827	14.0429	12.2381	16.1595	18.5814	CTD small phosphatase like 2 [Source:HGNC Symbol;Acc:HGNC:2	chr15:4471	NM_01639	XM_01152	.	.	NP_05748	XP_005254	protein_co	ENSG0000(	51496	26936
CTF1	2.94456	2.53464	2.17557	1.25892	0.671767	1.81678	cardiotrophin 1 [Source:HGNC Symbol;Acc:HGNC:2499]	chr16:3090	NM_00114	XM_01154	.	.	NP_00113	XP_011544	protein_co	ENSG0000(	1489	2499
CTGF	1.66332	1.47091	1.01221	0.416279	0.650421	1.26205	connective tissue growth factor [Source:HGNC Symbol;Acc:HGNC	chr6:13226	NM_00190	.	.	.	NP_00189	.	protein_co	ENSG0000(	1490	2500
CTH	8.11381	7.08033	8.25107	6.48874	9.27176	12.9552	cystathionine gamma-lyase [Source:HGNC Symbol;Acc:HGNC:250	chr1:70876	NM_00119	XM_00527	.	.	NP_00117	XP_00527(	protein_co	ENSG0000(	1491	2501
CTHRC1	8.58122	8.14513	9.96878	6.25942	4.99505	6.74232	collagen triple helix repeat containing 1 [Source:HGNC Symbol;Ac	chr8:10438	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000(	115908	18831
CTIF	4.33954	4.63262	6.46247	3.46276	3.74128	5.14431	cap binding complex dependent translation initiation factor [Sour	chr18:4606	NM_00114	XM_01702	.	.	NP_00113	XP_005258	protein_co	ENSG0000(	9811	23925
CTLA4	0.042628	0	0	0	0	0	cytotoxic T-lymphocyte associated protein 4 [Source:HGNC Symb	chr2:20473	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000(	1493	2505
CTNNA1	92.749	98.1181	99.7762	52.1739	47.6553	59.355	catenin alpha 1 [Source:HGNC Symbol;Acc:HGNC:2509]	chr5:13808	NM_00129	XM_01154	.	.	NP_00127	XP_005271	protein_co	ENSG0000(	1495	2509
CTNNA2	0	0	0	0	0	0	catenin alpha 2 [Source:HGNC Symbol;Acc:HGNC:2510]	chr2:79412	NM_00116	XM_01700	.	.	NP_00115	XP_011530	protein_co	ENSG0000(	1496	2510
CTNNA3	0.007858	0	0.138468	0	0	0	catenin alpha 3 [Source:HGNC Symbol;Acc:HGNC:2511]	chr10:6767	NM_00112	XM_01701	.	.	NP_00112	XP_016871	protein_co	ENSG0000(	29119	2511
CTNNAL1	31.191	23.6355	31.7012	27.4898	35.7158	41.1757	catenin alpha like 1 [Source:HGNC Symbol;Acc:HGNC:2512]	chr9:11169	NM_00128	XM_01151	.	.	NP_00127	XP_005252	protein_co	ENSG0000(	8727	2512
CTNNB1	159.395	165.27	164.034	169.08	164.422	158.713	catenin beta 1 [Source:HGNC Symbol;Acc:HGNC:2514]	chr3:41236	NM_00109	XM_01700	.	.	NP_00109	XP_005264	protein_co	ENSG0000(	1499	2514
CTNNBIP1	16.7335	15.533	17.1198	20.8481	17.4189	18.4972	catenin beta interacting protein 1 [Source:HGNC Symbol;Acc:HGN	chr1:99083	NM_00101	XM_01700	.	.	NP_00101	XP_016857	protein_co	ENSG0000(	56998	16913
CTNNBL1	23.9496	20.3122	17.7122	23.837	24.6372	16.7936	catenin beta like 1 [Source:HGNC Symbol;Acc:HGNC:15879]	chr20:3632	NM_00128	XM_01152	.	.	NP_00126	XP_011527	protein_co	ENSG0000(	56259	15879
CTNND1	57.1142	60.5919	56.8722	53.9822	58.4303	61.1565	catenin delta 1 [Source:HGNC Symbol;Acc:HGNC:2515]	chr11:5752	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000(	1500	2515
CTNND2	0	0	0	0	0	0	catenin delta 2 [Source:HGNC Symbol;Acc:HGNC:2516]	chr5:10971	NM_00128	XM_01151	.	.	NP_00127	XP_005248	protein_co	ENSG0000(	1501	2516
CTNS	7.88516	7.57477	6.81716	7.31432	5.31198	4.26729	cystinosin, lysosomal cystine transporter [Source:HGNC Symbol;A	chr17:3539	NM_00103	XM_01152	.	.	NP_00102	XP_005256	protein_co	ENSG0000(	1497	2518
CTPS1	30.7118	30.5613	28.6269	33.5604	32.5916	21.0161	CTP synthase 1 [Source:HGNC Symbol;Acc:HGNC:2519]	chr1:41445	NM_00190	XM_01154	.	.	NP_00189	XP_00527(	protein_co	ENSG0000(	1503	2519
CTPS2	5.88959	6.00704	5.82646	7.36499	6.8457	6.6521	CTP synthase 2 [Source:HGNC Symbol;Acc:HGNC:2520]	chrX:16606	NM_00114	XM_01154	.	.	NP_00113	XP_005274	protein_co	ENSG0000(	56474	2520
CTR9	34.3467	37.4155	43.7622	40.4283	42.1001	34.241	CTR9 homolog, Paf1/RNA polymerase II complex component [Sou	chr11:1077	NM_01463	.	.	.	NP_05544	.	protein_co	ENSG0000(	9646	16850
CTRB1	0	0	0	0	0	0	chymotrypsinogen B1 [Source:HGNC Symbol;Acc:HGNC:2521]	chr16:7525	NM_00190	.	.	.	NP_00189	.	protein_co	ENSG0000(	1504	2521
CTRB2	0	0	0	0	0	0	chymotrypsinogen B2 [Source:HGNC Symbol;Acc:HGNC:2522]	chr16:7523	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000(	440387	2522
CTRC	0	0.172199	0	0	0	0.096684	chymotrypsin C [Source:HGNC Symbol;Acc:HGNC:2523]	chr1:15764	NM_00727	XM_01154	.	.	NP_00920	XP_011538	protein_co	ENSG0000(	11330	2523
CTRL	2.86103	2.23042	2.46362	3.52053	3.1641	0.953952	chymotrypsin like [Source:HGNC Symbol;Acc:HGNC:2524]	chr16:6792	NM_00190	.	.	.	NP_00189	.	protein_co	ENSG0000(	1506	2524

CTSA	63.6422	59.5669	52.931	61.5616	49.9836	45.1574	cathepsin A [Source:HGNC Symbol;Acc:HGNC:9251]	chr20:4451	NM_0003	.	.	.	NP_00029	.	protein_co	ENSG0000	5476	9251
CTSB	98.2138	101.02	112.264	91.0458	88.1366	92.1842	cathepsin B [Source:HGNC Symbol;Acc:HGNC:2527]	chr8:1170	NM_0019	XM_01154	.	.	NP_00189	XP_00671	protein_co	ENSG0000	1508	2527
CTSC	33.5676	30.5267	31.2893	40.8576	38.5935	34.305	cathepsin C [Source:HGNC Symbol;Acc:HGNC:2528]	chr11:8802	NM_0011	.	.	.	NP_00110	.	protein_co	ENSG0000	1075	2528
CTSD	81.5747	85.5766	64.531	61.0127	54.3802	53.5574	cathepsin D [Source:HGNC Symbol;Acc:HGNC:2529]	chr11:1753	NM_0019	.	.	.	NP_00190	.	protein_co	ENSG0000	1509	2529
CTSE	0	0.078188	0.064837	0	0.042179	0.077186	cathepsin E [Source:HGNC Symbol;Acc:HGNC:2530]	chr1:2063	NM_0019	XM_01150	.	.	NP_00190	XP_01150	protein_co	ENSG0000	1510	2530
CTSF	0	0	0	0	0	0	cathepsin F [Source:HGNC Symbol;Acc:HGNC:2531]	chr11:6633	NM_0037	XM_01154	.	.	NP_00378	XP_01154	protein_co	ENSG0000	8722	2531
CTSG	0	0	0	0	0	0	cathepsin G [Source:HGNC Symbol;Acc:HGNC:2532]	chr14:2504	NM_0019	XM_01153	.	.	NP_00190	XP_01153	protein_co	ENSG0000	1511	2532
CTSH	12.169	13.7412	17.0419	12.4767	7.89248	10.435	cathepsin H [Source:HGNC Symbol;Acc:HGNC:2535]	chr15:792	NM_0013	XM_00525	.	.	NP_00130	XP_00525	protein_co	ENSG0000	1512	2535
CTSK	0.967984	1.13246	1.52728	1.85451	1.265	1.65309	cathepsin K [Source:HGNC Symbol;Acc:HGNC:2536]	chr1:1507	NM_0003	.	.	.	NP_00038	.	protein_co	ENSG0000	1513	2536
CTSL	50.1228	46.9104	38.4565	39.888	36.7921	39.1498	cathepsin L [Source:HGNC Symbol;Acc:HGNC:2537]	chr9:9034	NM_0012	XM_01151	.	.	NP_00124	XP_00525	protein_co	ENSG0000	1514	2537
CTSO	0.564451	1.38581	1.22401	0.541028	0.621118	1.03009	cathepsin O [Source:HGNC Symbol;Acc:HGNC:2542]	chr4:1568	NM_0013	.	.	.	NP_00132	.	protein_co	ENSG0000	1519	2542
CTSS	0.190806	0.123406	0.100172	0.060397	0.060529	0.109138	cathepsin S [Source:HGNC Symbol;Acc:HGNC:2545]	chr1:1507	NM_0011	.	.	.	NP_00118	.	protein_co	ENSG0000	1520	2545
CTSV	15.4346	14.7596	13.2935	15.0632	16.6653	19.8099	cathepsin V [Source:HGNC Symbol;Acc:HGNC:2538]	chr9:9979	NM_0012	.	.	.	NP_00118	.	protein_co	ENSG0000	1515	2538
CTSW	0	0	0.047376	0	0	0.059337	cathepsin W [Source:HGNC Symbol;Acc:HGNC:2546]	chr11:6564	NM_0013	.	.	.	NP_00132	.	protein_co	ENSG0000	1521	2546
CTSZ	80.3633	81.0995	73.4864	69.9256	62.8406	70.5994	cathepsin Z [Source:HGNC Symbol;Acc:HGNC:2547]	chr20:5757	NM_0013	.	.	.	NP_00132	.	protein_co	ENSG0000	1522	2547
CTTN	68.1727	68.5413	70.0507	55.5498	55.2708	45.2984	cortactin [Source:HGNC Symbol;Acc:HGNC:3338]	chr11:7024	NM_0011	XM_00671	.	.	NP_00117	XP_00671	protein_co	ENSG0000	2017	3338
CTTNBP2	1.72199	1.77763	1.84918	1.8873	2.04246	1.31024	cortactin binding protein 2 [Source:HGNC Symbol;Acc:HGNC:156	chr7:1173	NM_0334	XM_01151	.	.	NP_21949	XP_00525	protein_co	ENSG0000	83992	15679
CTTNBP2NL	5.64251	5.82668	6.20395	6.04196	5.95629	7.38923	CTTNBP2 N-terminal like [Source:HGNC Symbol;Acc:HGNC:25330	chr1:1129	NM_0187	XM_01154	.	.	NP_06117	XP_01154	protein_co	ENSG0000	55917	25330
CTU1	6.06297	6.10651	5.58531	6.37961	3.22912	4.76623	cytosolic thiouridylase subunit 1 [Source:HGNC Symbol;Acc:HGN	chr19:516	NM_1452	.	.	.	NP_66027	.	protein_co	ENSG0000	90353	29590
CTU2	38.9486	36.947	33.9271	46.6516	34.894	25.2578	cytosolic thiouridylase subunit 2 [Source:HGNC Symbol;Acc:HGN	chr16:887	NM_0010	XM_01152	.	.	NP_00101	.	protein_co	ENSG0000	348180	28005
CTXN1	50.8594	48.6235	59.0916	52.1784	44.0728	39.3932	cortexin 1 [Source:HGNC Symbol;Acc:HGNC:31108]	chr19:798	NM_2068	.	.	.	NP_99666	.	protein_co	ENSG0000	404217	31108
CTXN2	0	0	0	0	0	0	cortexin 2 [Source:HGNC Symbol;Acc:HGNC:31109]	chr15:484	NM_0011	XM_01152	.	.	NP_00113	XP_00525	protein_co	ENSG0000	399697	31109
CTXN3	0	0	0	0	0	0	cortexin 3 [Source:HGNC Symbol;Acc:HGNC:31110]	chr5:1269	NM_0010	.	.	.	NP_00104	.	protein_co	ENSG0000	613212	31110
CUBN	0.074127	0.13175	0.138019	0.236788	0.274005	0.378586	cubilin [Source:HGNC Symbol;Acc:HGNC:2548]	chr10:168	NM_0010	.	.	.	NP_00107	.	protein_co	ENSG0000	8029	2548
CUEDC1	25.8926	25.2277	27.9828	15.2867	14.3339	12.7137	CUE domain containing 1 [Source:HGNC Symbol;Acc:HGNC:3135	chr17:559	NM_0012	XM_01152	.	.	NP_00125	XP_00672	protein_co	ENSG0000	404093	31350
CUEDC2	68.8107	66.4228	72.5069	89.6059	69.6319	62.7576	CUE domain containing 2 [Source:HGNC Symbol;Acc:HGNC:2835	chr10:104	NM_0240	.	.	.	NP_07694	.	protein_co	ENSG0000	79004	28352
CUL1	34.858	34.8731	30.114	37.124	37.5867	31.5767	cullin 1 [Source:HGNC Symbol;Acc:HGNC:2551]	chr7:1483	NM_0035	XM_01151	.	.	NP_00358	XP_00525	protein_co	ENSG0000	8454	2551
CUL2	12.7235	11.7458	14.1867	14.0675	17.8391	19.7837	cullin 2 [Source:HGNC Symbol;Acc:HGNC:2552]	chr10:352	NM_0011	XM_01151	.	.	NP_00118	XP_01151	protein_co	ENSG0000	8453	2552
CUL3	25.6838	28.3388	25.5258	29.5104	31.5656	31.5192	cullin 3 [Source:HGNC Symbol;Acc:HGNC:2553]	chr2:2253	NM_0012	XM_01151	.	.	NP_00124	XP_00671	protein_co	ENSG0000	8452	2553
CUL4A	38.2381	38.724	36.1001	34.5625	33.8798	31.3639	cullin 4A [Source:HGNC Symbol;Acc:HGNC:2554]	chr13:113	NM_0010	XM_01153	.	.	NP_00100	XP_01153	protein_co	ENSG0000	8451	2554
CUL4B	13.9378	13.6192	15.6676	14.8498	19.8193	21.2281	cullin 4B [Source:HGNC Symbol;Acc:HGNC:2555]	chrX:1196	NM_0010	XM_01153	.	.	NP_00107	XP_00526	protein_co	ENSG0000	8450	2555
CUL5	8.24236	9.45728	9.40172	8.74319	11.8332	12.0267	cullin 5 [Source:HGNC Symbol;Acc:HGNC:2556]	chr11:107	NM_0034	XM_00527	.	.	NP_00346	XP_00527	protein_co	ENSG0000	8065	2556
CUL7	8.95939	9.88133	11.7188	8.10816	7.36944	9.4896	cullin 7 [Source:HGNC Symbol;Acc:HGNC:21024]	chr6:4300	NM_0011	XM_01701	.	.	NP_00116	XP_00524	protein_co	ENSG0000	9820	21024
CUL9	4.66943	4.32054	5.83976	3.7249	3.71049	3.86637	cullin 9 [Source:HGNC Symbol;Acc:HGNC:15982]	chr6:4314	NM_0150	XM_01151	.	.	NP_05590	XP_01151	protein_co	ENSG0000	23113	15982
CUTA	151.586	144.444	138.592	173.722	135.686	132.369	cutA divalent cation tolerance homolog [Source:HGNC Symbol;A	chr6:3337	NM_0010	.	.	.	NP_00101	.	protein_co	ENSG0000	51596	21101
CUTC	34.0064	31.5183	29.017	42.0429	44.0701	37.1472	cutC copper transporter [Source:HGNC Symbol;Acc:HGNC:24271	chr10:101	NM_0159	.	.	.	NP_05704	.	protein_co	ENSG0000	51076	24271
CUX1	23.4958	25.5895	24.9847	25.1945	21.834	20.2931	cut like homeobox 1 [Source:HGNC Symbol;Acc:HGNC:2557]	chr7:1014	NM_0012	XM_01151	.	.	NP_00118	XP_00525	protein_co	ENSG0000	1523	2557
CUX2	0	0	0.01839	0	0	0	cut like homeobox 2 [Source:HGNC Symbol;Acc:HGNC:19347]	chr12:111	NM_0152	XM_01701	.	.	NP_05608	XP_01153	protein_co	ENSG0000	23316	19347
CUZD1	0.544954	0.627809	0.406658	0.46544	0.646062	0.417237	CUB and zona pellucida like domains 1 [Source:HGNC Symbol;Ac	chr10:124	NM_0220	.	.	.	NP_07131	.	protein_co	ENSG0000	50624	17937
CWC15	31.3626	26.884	24.9131	30.8845	28.37	26.4366	CWC15 spliceosome-associated protein [Source:HGNC Symbol;A	chr11:946	NM_0164	XM_01154	.	.	NP_05748	XP_01154	protein_co	ENSG0000	51503	26939
CWC22	11.1999	11.2936	10.1744	11.1494	13.1334	13.0427	CWC22 homolog, spliceosome-associated protein [Source:HGNC	chr2:1808	NM_0209	XM_00524	.	.	NP_06599	XP_00524	protein_co	ENSG0000	57703	29322
CWC25	8.16904	7.94079	7.74076	8.61686	7.24349	6.20159	CWC25 spliceosome associated protein homolog [Source:HGNC S	chr17:369	NM_0177	.	.	.	NP_06021	.	protein_co	ENSG0000	54883	25989
CWC27	14.7603	14.5122	13.5535	16.5166	17.0204	16.9716	CWC27 spliceosome associated protein homolog [Source:HGNC S	chr5:6406	NM_0012	XM_01154	.	.	NP_00128	XP_01154	protein_co	ENSG0000	10283	10664
CWF19L1	25.5881	24.3107	19.5023	33.5117	26.7368	22.1977	CWF19-like 1, cell cycle control (S. pombe) [Source:HGNC Symbol	chr10:101	NM_0013	.	.	.	NP_00129	.	protein_co	ENSG0000	55280	25613
CWF19L2	2.48796	2.09727	1.9244	2.17414	2.86045	2.25774	CWF19-like 2, cell cycle control (S. pombe) [Source:HGNC Symbol	chr11:107	NM_1524	.	.	.	NP_68964	.	protein_co	ENSG0000	143884	26508
CWH43	0	0	0	0	0	0	cell wall biogenesis 43 C-terminal homolog [Source:HGNC Symbo	chr4:4898	NM_0012	XM_01151	.	.	NP_00127	XP_01151	protein_co	ENSG0000	80157	26133
CX3CL1	0	0	0	0	0	0	C-X3-C motif chemokine ligand 1 [Source:HGNC Symbol;Acc:HGN	chr16:574	NM_0013	.	.	.	NP_00129	.	protein_co	ENSG0000	6376	10647
CX3CR1	0.025219	0.02675	0.065968	0	0.028458	0.025733	C-X3-C motif chemokine receptor 1 [Source:HGNC Symbol;Acc:H	chr3:3930	NM_0011	.	.	.	NP_00116	.	protein_co	ENSG0000	1524	2558
CXADR	9.80416	7.70092	9.24931	13.4511	16.0206	17.501	coxsackie virus and adenovirus receptor [Source:HGNC Symbol;A	chr21:188	NM_0012	XM_01152	.	.	NP_00119	XP_01152	protein_co	ENSG0000	1525	2559
CXCL1	21.6588	25.3172	19.5045	1.76124	1.3917	2.09806	C-X-C motif chemokine ligand 1 [Source:HGNC Symbol;Acc:HGNC	chr4:7473	NM_0015	.	.	.	NP_00150	.	protein_co	ENSG0000	2919	4602
CXCL10	3.06493	1.73149	0	1.83587	2.4403	2.00969	C-X-C motif chemokine ligand 10 [Source:HGNC Symbol;Acc:HGN	chr4:7693	NM_0015	.	.	.	NP_00155	.	protein_co	ENSG0000	3627	10637
CXCL11	0.708581	0.65336	0.047598	0.501023	0.179158	0.312508	C-X-C motif chemokine ligand 11 [Source:HGNC Symbol;Acc:HGN	chr4:7693	NM_0013	.	.	.	NP_00128	.	protein_co	ENSG0000	6373	10638
CXCL12	0	0	0	0.026159	0	0	C-X-C motif chemokine ligand 12 [Source:HGNC Symbol;Acc:HGN	chr10:448	NM_0006	.	.	.	NP_00060	.	protein_co	ENSG0000	6387	10672
CXCL13	0.071529	0.154921	0.062683	0	0	0	C-X-C motif chemokine ligand 13 [Source:HGNC Symbol;Acc:HGN	chr4:7843	NM_0064	XM_00671	.	.	NP_00641	XP_00671	protein_co	ENSG0000	10563	10639
CXCL14	0	0	0	0	0	0	C-X-C motif chemokine ligand 14 [Source:HGNC Symbol;Acc:HGN	chr5:1349	NM_0048	.	.	.	NP_00487	.	protein_co	ENSG0000	9547	10640
CXCL16	38.8934	37.9938	37.1867	24.8018	23.8659	23.5419	C-X-C motif chemokine ligand 16 [Source:HGNC Symbol;Acc:HGN	chr17:463	NM_0011	.	.	.	NP_00109	.	protein_co	ENSG0000	58191	16642
CXCL17	0.075351	0.235849	0.130896	0.167416	0.169569	0	C-X-C motif chemokine ligand 17 [Source:HGNC Symbol;Acc:HGN	chr19:429	NM_1984	.	.	.	NP_94087	.	protein_co	ENSG0000	284340	19232
CXCL2	7.5232	8.16335	3.8663	1.60966	0.805729	0.72689	C-X-C motif chemokine ligand 2 [Source:HGNC Symbol;Acc:HGNC	chr4:7496	NM_0020	.	.	.	NP_00208	.	protein_co	ENSG0000	2920	4603
CXCL3	7.82945	8.32765	2.14072	0.595688	0.787323	0.964484	C-X-C motif chemokine ligand 3 [Source:HGNC Symbol;Acc:HGNC	chr4:7490	NM_0020	.	.	.	NP_00208	.	protein_co	ENSG0000	2921	4604

CXCL5	0	0	0	0	0	0	C-X-C motif chemokine ligand 5 [Source:HGNC Symbol;Acc:HGNC	chr4:74861	NM_00299	.	.	.	NP_00298	.	protein_co	ENSG0000	6374	10642
CXCL6	0	0	0	0	0	0	C-X-C motif chemokine ligand 6 [Source:HGNC Symbol;Acc:HGNC	chr4:74702	NM_00299	.	.	.	NP_00298	.	protein_co	ENSG0000	6372	10643
CXCL8	24.9064	25.8224	12.7431	3.96558	3.55558	5.1809	C-X-C motif chemokine ligand 8 [Source:HGNC Symbol;Acc:HGNC	chr4:74606	NM_00058	.	.	.	NP_00057	.	protein_co	ENSG0000	3576	6025
CXCL9	0	0	0	0	0	0	C-X-C motif chemokine ligand 9 [Source:HGNC Symbol;Acc:HGNC	chr4:76922	NM_00241	.	.	.	NP_00240	.	protein_co	ENSG0000	4283	7098
CXCR1	0.029785	0	0	0.065457	0.101324	0.093395	C-X-C motif chemokine receptor 1 [Source:HGNC Symbol;Acc:HG	chr2:21902	NM_00063	.	.	.	NP_00062	.	protein_co	ENSG0000	3577	6026
CXCR2	0.101993	0.106222	0.110556	0.028365	0.057378	0.339429	C-X-C motif chemokine receptor 2 [Source:HGNC Symbol;Acc:HG	chr2:21899	NM_00116	XM_01700	.	.	NP_00116	XP_005246	protein_co	ENSG0000	3579	6027
CXCR3	0	0	0	0	0	0	C-X-C motif chemokine receptor 3 [Source:HGNC Symbol;Acc:HG	chrX:70835	NM_00114	XM_01702	.	.	NP_00113	XP_016884	protein_co	ENSG0000	2833	4540
CXCR4	1.11405	0.441924	1.09945	0.587619	0.656641	0.486688	C-X-C motif chemokine receptor 4 [Source:HGNC Symbol;Acc:HG	chr2:13687	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	7852	2561
CXCR5	0.065874	0.04924	0.014246	0.035434	0.019032	0	C-X-C motif chemokine receptor 5 [Source:HGNC Symbol;Acc:HG	chr11:1187	NM_00171	.	.	.	NP_00170	.	protein_co	ENSG0000	643	1060
CXCR6	0	0	0	0	0	0	C-X-C motif chemokine receptor 6 [Source:HGNC Symbol;Acc:HG	chr3:45959	NM_00656	XM_01153	.	.	NP_00655	XP_005264	protein_co	ENSG0000	10663	16647
CXorf21	0	0	0	0	0	0	chromosome X open reading frame 21 [Source:HGNC Symbol;Acc	chrX:30576	NM_02515	.	.	.	NP_07943	.	protein_co	ENSG0000	80231	25667
CXorf23	1.66177	1.51774	2.21079	0.867717	1.89249	1.99906	chromosome X open reading frame 23 [Source:HGNC Symbol;Acc	chrX:19930	NM_19827	XM_01154	.	.	NP_93802	XP_005274	protein_co	ENSG0000	256643	27413
CXorf36	0	0	0	0	0	0	chromosome X open reading frame 36 [Source:HGNC Symbol;Acc	chrX:45007	NM_02468	.	.	.	NP_07896	.	protein_co	ENSG0000	79742	25866
CXorf38	6.55338	6.415	6.71718	4.51531	5.01275	5.81053	chromosome X open reading frame 38 [Source:HGNC Symbol;Acc	chrX:40486	NM_14497	XM_00672	.	.	NP_65940	XP_005272	protein_co	ENSG0000	159013	28589
CXorf40A	4.39113	5.34276	4.65473	5.32525	3.53271	3.72532	chromosome X open reading frame 40A [Source:HGNC Symbol;A	chrX:14862	NM_00117	XM_01153	.	.	NP_00116	XP_005262	protein_co	ENSG0000	91966	28089
CXorf40B	15.7872	17.0523	16.1939	17.2113	16.4123	13.8161	chromosome X open reading frame 40B [Source:HGNC Symbol;A	chrX:14909	NM_00101	XM_01153	.	.	NP_00101	XP_005274	protein_co	ENSG0000	541578	17402
CXorf49	0	0	0	0	0	0	chromosome X open reading frame 49 [Source:HGNC Symbol;Acc	chrX:70934	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	100130361	30891
CXorf49B	0	0	0	0	0	0	chromosome X open reading frame 49B [Source:HGNC Symbol;A	chrX:70983	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	100132994	34229
CXorf51A	0	0	0	0	0	0	chromosome X open reading frame 51A [Source:HGNC Symbol;A	chrX:14589	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	100129239	30533
CXorf51B	0	0	0	0	0	0	chromosome X open reading frame 51B [Source:HGNC Symbol;A	chrX:14589	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	100133053	42787
CXorf56	18.6471	20.0063	16.8397	20.8124	19.052	19.0133	chromosome X open reading frame 56 [Source:HGNC Symbol;Acc	chrX:11867	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	63932	26239
CXorf57	4.10866	3.49031	3.23599	3.82642	4.732	4.80908	chromosome X open reading frame 57 [Source:HGNC Symbol;Acc	chrX:10585	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	55086	25486
CXorf58	0	0.058001	0.094546	0.12526	0	0	chromosome X open reading frame 58 [Source:HGNC Symbol;Acc	chrX:23851	NM_00116	XM_01154	.	.	NP_00116	XP_011543	protein_co	ENSG0000	254158	26356
CXorf65	0	0	0.125602	0	0	0	chromosome X open reading frame 65 [Source:HGNC Symbol;Acc	chrX:70323	NM_00102	XM_00526	.	.	NP_00102	XP_005262	protein_co	ENSG0000	158830	33713
CXorf66	0	0	0	0	0	0	chromosome X open reading frame 66 [Source:HGNC Symbol;Acc	chrX:13903	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	347487	33743
CXorf67	0.063535	0	0	0	0	0.07071	chromosome X open reading frame 67 [Source:HGNC Symbol;Acc	chrX:51149	NM_20340	.	.	.	NP_98195	.	protein_co	ENSG0000	340602	33738
CXXC1	26.6036	25.9525	22.1503	28.4449	24.749	17.989	CXXC finger protein 1 [Source:HGNC Symbol;Acc:HGNC:24343]	chr18:4780	NM_00110	XM_01152	.	.	NP_00109	XP_011524	protein_co	ENSG0000	30827	24343
CXXC4	0.347017	0.331737	0.474163	0.374845	0.811268	0.515628	CXXC finger protein 4 [Source:HGNC Symbol;Acc:HGNC:24593]	chr4:10538	NM_02521	XM_01700	.	.	NP_07948	XP_011530	protein_co	ENSG0000	80319	24593
CXXC5	29.3091	31.0278	26.5537	28.104	26.0303	20.2694	CXXC finger protein 5 [Source:HGNC Symbol;Acc:HGNC:26943]	chr5:13902	NM_01646	XM_00671	.	.	NP_00130	XP_005268	protein_co	ENSG0000	51523	26943
CYB561	47.1735	50.3118	46.8881	48.3071	45.9541	35.4301	cytochrome b561 [Source:HGNC Symbol;Acc:HGNC:2571]	chr17:6150	NM_00101	XM_01702	.	.	NP_00101	XP_005257	protein_co	ENSG0000	1534	2571
CYB561A3	21.3037	22.5446	20.2131	26.5976	22.0892	18.6562	cytochrome b561 family member A3 [Source:HGNC Symbol;Acc:H	chr11:6106	NM_00116	XM_01154	.	.	NP_00115	XP_011543	protein_co	ENSG0000	220002	23014
CYB561D1	5.39796	5.84743	5.63594	3.38024	4.38223	3.18556	cytochrome b561 family member D1 [Source:HGNC Symbol;Acc:H	chr1:11003	NM_00113	XM_01700	.	.	NP_00112	XP_005270	protein_co	ENSG0000	284613	26804
CYB561D2	15.5017	17.6624	8.16923	16.2135	12.8709	5.51083	cytochrome b561 family member D2 [Source:HGNC Symbol;Acc:H	chr3:50384	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	11068	30253
CYB5A	23.1586	26.8419	32.2637	25.7115	16.942	15.2753	cytochrome b5 type A [Source:HGNC Symbol;Acc:HGNC:2570]	chr18:7191	NM_00119	XM_01152	.	.	NP_00117	XP_011524	protein_co	ENSG0000	1528	2570
CYB5B	341.709	344.646	690.351	450.811	398.89	485.594	cytochrome b5 type B [Source:HGNC Symbol;Acc:HGNC:24374]	chr16:6945	NM_03057	.	.	.	NP_08505	.	protein_co	ENSG0000	80777	24374
CYB5D1	17.6659	17.792	16.7469	12.3927	15.8264	12.4059	cytochrome b5 domain containing 1 [Source:HGNC Symbol;Acc:H	chr17:7760	NM_14460	XM_00525	.	.	NP_65320	XP_005256	protein_co	ENSG0000	124637	26516
CYB5D2	7.96456	6.69119	7.10441	4.51604	3.87953	5.94315	cytochrome b5 domain containing 2 [Source:HGNC Symbol;Acc:H	chr17:4046	NM_00125	XM_01152	.	.	NP_00124	XP_005256	protein_co	ENSG0000	124936	28471
CYB5R1	11.0803	12.2733	11.9066	8.86069	8.32608	7.96788	cytochrome b5 reductase 1 [Source:HGNC Symbol;Acc:HGNC:133	chr1:20293	NM_01624	.	.	.	NP_05732	.	protein_co	ENSG0000	51706	13397
CYB5R2	7.62607	8.30416	8.14796	10.3677	8.89608	9.17999	cytochrome b5 reductase 2 [Source:HGNC Symbol;Acc:HGNC:243	chr11:7686	NM_00130	XM_01152	.	.	NP_00128	XP_005253	protein_co	ENSG0000	51700	24376
CYB5R3	80.967	82.929	79.5957	77.5126	63.6978	64.9668	cytochrome b5 reductase 3 [Source:HGNC Symbol;Acc:HGNC:287	chr22:4301	NM_00039	.	.	.	NP_00038	.	protein_co	ENSG0000	1727	2873
CYB5R4	7.8795	6.81604	6.08324	7.68821	8.51881	7.69634	cytochrome b5 reductase 4 [Source:HGNC Symbol;Acc:HGNC:201	chr6:84569	NM_01623	.	.	.	NP_05731	.	protein_co	ENSG0000	51167	20147
CYB5RL	5.85011	8.04331	5.68616	6.4578	5.60916	4.18501	cytochrome b5 reductase like [Source:HGNC Symbol;Acc:HGNC:3	chr1:54635	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	606495	32220
CYBA	222.931	216.382	223.633	259.13	185.636	177.567	cytochrome b-245 alpha chain [Source:HGNC Symbol;Acc:HGNC:	chr16:8870	NM_00010	XM_01152	.	.	NP_00009	XP_011521	protein_co	ENSG0000	1535	2577
CYBB	0.554899	0.317324	0.515177	0.338357	0.306587	0.810955	cytochrome b-245 beta chain [Source:HGNC Symbol;Acc:HGNC:2	chrX:37208	NM_00039	XM_01154	.	.	NP_00038	.	protein_co	ENSG0000	1536	2578
CYBRD1	8.41638	8.68142	11.0191	10.227	10.694	9.57213	cytochrome b reductase 1 [Source:HGNC Symbol;Acc:HGNC:2079	chr2:17237	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	79901	20797
CYC1	261.869	263.304	252.325	319.708	247.765	221.601	cytochrome c1 [Source:HGNC Symbol;Acc:HGNC:2579]	chr8:14514	NM_00191	.	.	.	NP_00190	.	protein_co	ENSG0000	1537	2579
CYCS	166.524	170.1	133.994	207.078	202.514	183.745	cytochrome c, somatic [Source:HGNC Symbol;Acc:HGNC:19986]	chr7:25159	NM_01894	.	.	.	NP_06182	.	protein_co	ENSG0000	54205	19986
CYFIP1	43.0159	43.1975	49.0928	43.4712	41.6106	41.5051	cytoplasmic FMR1 interacting protein 1 [Source:HGNC Symbol;A	chr15:2289	NM_00103	XM_01154	.	.	NP_00102	XP_011542	protein_co	ENSG0000	23191	13759
CYFIP2	17.0567	16.9379	23.3845	18.6264	18.2309	16.0291	cytoplasmic FMR1 interacting protein 2 [Source:HGNC Symbol;A	chr5:15669	NM_00103	XM_01700	.	.	NP_00103	XP_011532	protein_co	ENSG0000	26999	13760
CYGB	0.375593	0.233873	0.813352	0.159457	0.309831	0.218931	cytoglobin [Source:HGNC Symbol;Acc:HGNC:16505]	chr17:7452	NM_13426	.	.	.	NP_59903	.	protein_co	ENSG0000	114757	16505
CYHR1	30.3989	30.4882	30.102	24.9642	20.0133	24.137	cysteine and histidine rich 1 [Source:HGNC Symbol;Acc:HGNC:17	chr8:14567	NM_00112	XM_00671	.	.	NP_00112	XP_006716	protein_co	ENSG0000	50626	17806
CYLC1	0	0	0	0	0	0	cylicin 1 [Source:HGNC Symbol;Acc:HGNC:2582]	chrX:83116	NM_00127	XM_00526	.	.	NP_00125	XP_005262	protein_co	ENSG0000	1538	2582
CYLC2	0	0	0	0	0	0	cylicin 2 [Source:HGNC Symbol;Acc:HGNC:2583]	chr9:10575	NM_00134	.	.	.	NP_00133	.	protein_co	ENSG0000	1539	2583
CYLD	5.68041	5.73758	4.78238	3.35832	3.87037	4.25959	CYLD lysine 63 deubiquitinase [Source:HGNC Symbol;Acc:HGNC:2	chr16:5077	NM_00104	XM_01702	.	.	NP_00103	XP_005255	protein_co	ENSG0000	1540	2584
CYP11A1	0.035825	0.072005	0.186423	0.077945	0	0.077218	cytochrome P450 family 11 subfamily A member 1 [Source:HGNC	chr15:7463	NM_00078	.	.	.	NP_00077	.	protein_co	ENSG0000	1583	2590
CYP11B1	0	0.041929	0	0	0	0	cytochrome P450 family 11 subfamily B member 1 [Source:HGNC	chr8:14395	NM_00049	XM_01151	.	.	NP_00048	XP_011515	protein_co	ENSG0000	1584	2591
CYP11B2	0	0	0	0	0	0	cytochrome P450 family 11 subfamily B member 2 [Source:HGNC	chr8:14399	NM_00049	XM_01151	.	.	NP_00048	.	protein_co	ENSG0000	1585	2592
CYP17A1	0	0	0	0	0	0	cytochrome P450 family 17 subfamily A member 1 [Source:HGNC	chr10:1045	NM_00010	.	.	.	NP_00009	.	protein_co	ENSG0000	1586	2593
CYP19A1	0.105679	0.140694	0.03057	0.09401	0.09219	0.070619	cytochrome P450 family 19 subfamily A member 1 [Source:HGNC	chr15:5150	NM_00010	XM_00525	.	.	NP_00009	XP_005254	protein_co	ENSG0000	1588	2594

CYP1A1	2.7974	2.67244	1.99867	1.39666	1.34787	0.807028	cytochrome P450 family 1 subfamily A member 1 [Source:HGNC S	chr15:7501	NM_00049	XM_01702	.	.	NP_000490	XP_005254	protein_co	ENSG0000	1543	2595
CYP1A2	0	0	0	0.030233	0	0	cytochrome P450 family 1 subfamily A member 2 [Source:HGNC S	chr15:7504	NM_00076	.	.	.	NP_000752	.	protein_co	ENSG0000	1544	2596
CYP1B1	1.35702	1.68423	1.29025	1.23566	1.76561	1.35773	cytochrome P450 family 1 subfamily B member 1 [Source:HGNC S	chr2:38294	NM_00010	.	.	.	NP_000095	.	protein_co	ENSG0000	1545	2597
CYP20A1	3.50785	3.24772	2.29559	3.08495	3.1079	5.39343	cytochrome P450 family 20 subfamily A member 1 [Source:HGNC	chr2:20410	NM_17753	XM_00671	.	.	NP_803882	XP_005246	protein_co	ENSG0000	57404	20576
CYP21A2	0.074304	0	0.075058	0.119737	0.215349	0.1226	cytochrome P450 family 21 subfamily A member 2 [Source:HGNC	chr6:32006	NM_00050	XM_01151	.	.	NP_000491	.	protein_co	ENSG0000	1589	2600
CYP24A1	4.74784	5.51921	22.0089	1.74407	1.36776	1.17465	cytochrome P450 family 24 subfamily A member 1 [Source:HGNC	chr20:5276	NM_00078	XM_01702	.	.	NP_000773	XP_005260	protein_co	ENSG0000	1591	2602
CYP26A1	0.204893	0.167151	0.447041	0.481879	0.464726	0.223139	cytochrome P450 family 26 subfamily A member 1 [Source:HGNC	chr10:9483	NM_00078	.	.	.	NP_000774	.	protein_co	ENSG0000	1592	2603
CYP26B1	6.14647	6.37907	7.13207	5.5533	5.27614	5.89134	cytochrome P450 family 26 subfamily B member 1 [Source:HGNC	chr2:72356	NM_00127	XM_01153	.	.	NP_001264	XP_005264	protein_co	ENSG0000	56603	20581
CYP26C1	0	0	0	0	0.114901	0	cytochrome P450 family 26 subfamily C member 1 [Source:HGNC	chr10:9482	NM_18337	.	.	.	NP_899230	.	protein_co	ENSG0000	340665	20577
CYP27A1	0.445168	0.219595	0.254899	0.159192	0.301342	0.203714	cytochrome P450 family 27 subfamily A member 1 [Source:HGNC	chr2:21964	NM_00078	.	.	.	NP_000775	.	protein_co	ENSG0000	1593	2605
CYP27B1	6.80056	7.60298	8.36622	5.15737	4.40221	3.8333	cytochrome P450 family 27 subfamily B member 1 [Source:HGNC	chr12:5815	NM_00078	.	.	.	NP_000776	.	protein_co	ENSG0000	1594	2606
CYP27C1	0	0	0	0	0	0	cytochrome P450 family 27 subfamily C member 1 [Source:HGNC	chr2:12794	NM_00100	.	.	.	NP_001001	.	protein_co	ENSG0000	339761	33480
CYP2A13	0	0	0	0	0	0	cytochrome P450 family 2 subfamily A member 13 [Source:HGNC	chr19:4159	NM_00076	.	.	.	NP_000757	.	protein_co	ENSG0000	1553	2608
CYP2A6	0	0	0	0	0	0	cytochrome P450 family 2 subfamily A member 6 [Source:HGNC S	chr19:4134	NM_00076	.	.	.	NP_000753	.	protein_co	ENSG0000	1548	2610
CYP2A7	0	0	0	0	0	0	cytochrome P450 family 2 subfamily A member 7 [Source:HGNC S	chr19:4138	NM_00076	.	.	.	NP_000755	.	protein_co	ENSG0000	1549	2611
CYP2B6	0	0	0	0.057407	0.05981	0.055381	cytochrome P450 family 2 subfamily B member 6 [Source:HGNC S	chr19:4149	NM_00076	XM_01152	.	.	NP_000758	XP_005258	protein_co	ENSG0000	1555	2615
CYP2C18	0.061385	0	0.053483	0	0.034067	0.061168	cytochrome P450 family 2 subfamily C member 18 [Source:HGNC	chr10:9644	NM_00077	.	.	.	NP_000763	.	protein_co	ENSG0000	1562	2620
CYP2C19	0	0	0	0.042833	0	0.038739	cytochrome P450 family 2 subfamily C member 19 [Source:HGNC	chr10:9652	NM_00076	.	.	.	NP_000760	.	protein_co	ENSG0000	1557	2621
CYP2C8	0.041449	0	0.144438	0.174142	0.088672	0.152442	cytochrome P450 family 2 subfamily C member 8 [Source:HGNC S	chr10:9679	NM_00077	.	.	.	NP_000761	.	protein_co	ENSG0000	1558	2622
CYP2C9	0.040032	0.042221	0.034777	0	0	0	cytochrome P450 family 2 subfamily C member 9 [Source:HGNC S	chr10:9669	NM_00077	.	.	.	NP_000762	XP_016871	protein_co	ENSG0000	1559	2623
CYP2D6	0.36241	0.235838	0.331598	0.19322	0.336622	0.17932	cytochrome P450 family 2 subfamily D member 6 [Source:HGNC S	chr22:4252	NM_00010	XM_01152	.	.	.	XP_011528	protein_co	ENSG0000	107987479	2625
CYP2E1	0.264172	0.269467	0.382911	0.04824	0.251739	0.13926	cytochrome P450 family 2 subfamily E member 1 [Source:HGNC S	chr10:1353	NM_00077	.	.	.	NP_000764	.	protein_co	ENSG0000	1571	2631
CYP2F1	0	0	0	0	0	0	cytochrome P450 family 2 subfamily F member 1 [Source:HGNC S	chr19:4162	NM_00077	XM_01152	.	.	NP_000765	XP_011524	protein_co	ENSG0000	1572	2632
CYP2J2	0.998544	0.657231	0.935877	1.11973	1.28633	1.4297	cytochrome P450 family 2 subfamily J member 2 [Source:HGNC S	chr1:60358	NM_00077	.	NR_134981	.	NP_000766	.	protein_co	ENSG0000	1573	2634
CYP2R1	6.66881	6.00894	7.11253	4.09482	3.89889	8.26825	cytochrome P450 family 2 subfamily R member 1 [Source:HGNC S	chr11:1489	NM_02451	XM_01701	.	.	NP_078790	XP_005252	protein_co	ENSG0000	120227	20580
CYP2S1	9.30516	10.0927	7.69067	8.17601	7.13581	6.7897	cytochrome P450 family 2 subfamily S member 1 [Source:HGNC S	chr19:4169	NM_03062	.	.	.	NP_085125	.	protein_co	ENSG0000	29785	15654
CYP2U1	3.37237	2.74785	3.67351	2.45267	2.74451	3.30496	cytochrome P450 family 2 subfamily U member 1 [Source:HGNC S	chr4:10885	NM_18307	XM_00526	.	.	NP_898898	XP_005262	protein_co	ENSG0000	113612	20582
CYP2W1	0	0	0	0	0	0	cytochrome P450 family 2 subfamily W member 1 [Source:HGNC	chr7:10228	NM_01778	XM_01151	.	.	NP_060251	XP_011513	protein_co	ENSG0000	54905	20243
CYP39A1	0.780712	0.601036	0.905383	0.74689	0.819	1.41527	cytochrome P450 family 39 subfamily A member 1 [Source:HGNC	chr6:46517	NM_00127	XM_01151	.	.	NP_001265	XP_011512	protein_co	ENSG0000	51302	17449
CYP3A4	0	0	0	0	0	0	cytochrome P450 family 3 subfamily A member 4 [Source:HGNC S	chr7:99354	NM_00120	XM_01151	.	.	NP_001189	.	protein_co	ENSG0000	1576	2637
CYP3A43	0	0	0	0	0	0	cytochrome P450 family 3 subfamily A member 43 [Source:HGNC	chr7:99425	NM_00127	XM_01151	.	.	NP_001265	.	protein_co	ENSG0000	64816	17450
CYP3A5	0.275635	0.021707	0.571345	0.098755	0.044639	0.250801	cytochrome P450 family 3 subfamily A member 5 [Source:HGNC S	chr7:99245	NM_00077	XM_01151	NR_033807	.	NP_000768	XP_011514	protein_co	ENSG0000	1577	2638
CYP3A7	0	0	0	0	0	0	cytochrome P450 family 3 subfamily A member 7 [Source:HGNC S	chr7:99282	NM_00076	.	.	.	NP_000756	.	protein_co	ENSG0000	1551	2640
CYP3A7-CYP3A51P	0	0	0	0	0	0	CYP3A7-CYP3A51P readthrough [Source:HGNC Symbol;Acc:HGNC	chr7:99282	NM_00125	.	.	.	NP_001243	.	protein_co	ENSG0000	100861540	51504
CYP46A1	0.114933	0.122811	0.199381	0.206203	0	0.12589	cytochrome P450 family 46 subfamily A member 1 [Source:HGNC	chr14:1001	NM_00666	XM_01153	.	.	NP_006659	XP_011534	protein_co	ENSG0000	10858	2641
CYP4A11	0	0	0	0	0	0	cytochrome P450 family 4 subfamily A member 11 [Source:HGNC	chr1:47394	NM_00077	XM_01700	.	.	NP_000769	XP_005270	protein_co	ENSG0000	1579	2642
CYP4A22	0	0	0	0	0	0	cytochrome P450 family 4 subfamily A member 22 [Source:HGNC	chr1:47603	NM_00101	XM_00527	.	.	NP_001010	XP_005270	protein_co	ENSG0000	284541	20575
CYP4B1	0	0	0	0	0	0	cytochrome P450 family 4 subfamily B member 1 [Source:HGNC S	chr1:47264	NM_00077	XM_01154	.	.	NP_000770	XP_011539	protein_co	ENSG0000	1580	2644
CYP4F11	8.34836	8.5263	5.88927	7.15066	7.81104	8.67321	cytochrome P450 family 4 subfamily F member 11 [Source:HGNC	chr19:1602	NM_00112	XM_01152	.	.	NP_001122	.	protein_co	ENSG0000	57834	13265
CYP4F12	0.523125	0.24157	0.533044	0.722855	0.542006	0.566303	cytochrome P450 family 4 subfamily F member 12 [Source:HGNC	chr19:1578	NM_02394	XM_01152	NR_117085	.	NP_076433	XP_011526	protein_co	ENSG0000	66002	18857
CYP4F2	0.183847	0.249803	1.08591	0.335219	0.313791	0.949078	cytochrome P450 family 4 subfamily F member 2 [Source:HGNC S	chr19:1598	NM_00108	.	.	.	NP_001073	.	protein_co	ENSG0000	8529	2645
CYP4F22	2.44349	2.18577	2.21631	2.6459	2.17788	2.5865	cytochrome P450 family 4 subfamily F member 22 [Source:HGNC	chr19:1561	NM_17348	XM_01152	.	.	NP_775754	XP_011525	protein_co	ENSG0000	126410	26820
CYP4F3	0.57694	0.848716	0.633186	0.692149	0.80952	0.963224	cytochrome P450 family 4 subfamily F member 3 [Source:HGNC S	chr19:1572	NM_00089	XM_01702	.	.	NP_000887	XP_005259	protein_co	ENSG0000	4051	2646
CYP4F8	0	0.043703	0	0.094221	0	0	cytochrome P450 family 4 subfamily F member 8 [Source:HGNC S	chr19:1572	NM_00725	XM_01152	.	.	NP_009184	.	protein_co	ENSG0000	11283	2648
CYP4V2	3.30813	3.50467	2.36286	2.93959	2.12901	3.78167	cytochrome P450 family 4 subfamily V member 2 [Source:HGNC S	chr4:18711	NM_20735	XM_00526	.	.	NP_997235	XP_005262	protein_co	ENSG0000	285440	23198
CYP4X1	0	0	0	0	0	0	cytochrome P450 family 4 subfamily X member 1 [Source:HGNC S	chr1:47489	NM_17803	XM_01154	.	.	NP_828847	XP_016856	protein_co	ENSG0000	260293	20244
CYP4Z1	0	0	0	0	0	0	cytochrome P450 family 4 subfamily Z member 1 [Source:HGNC S	chr1:47533	NM_17813	.	.	.	NP_835235	.	protein_co	ENSG0000	199974	20583
CYP51A1	42.8469	43.5235	48.3912	43.8683	54.5325	59.3172	cytochrome P450 family 51 subfamily A member 1 [Source:HGNC	chr7:91741	NM_00078	.	.	.	NP_000777	.	protein_co	ENSG0000	1595	2649
CYP7A1	0	0	0	0	0	0	cytochrome P450 family 7 subfamily A member 1 [Source:HGNC S	chr8:59402	NM_00078	XM_01151	.	.	NP_000771	XP_011515	protein_co	ENSG0000	1581	2651
CYP7B1	0	0	0	0	0	0	cytochrome P450 family 7 subfamily B member 1 [Source:HGNC S	chr8:65508	NM_00482	.	.	.	NP_004811	.	protein_co	ENSG0000	9420	2652
CYP8B1	0	0	0	0	0	0	cytochrome P450 family 8 subfamily B member 1 [Source:HGNC S	chr3:42850	NM_00439	.	.	.	NP_004382	.	protein_co	ENSG0000	1582	2653
CYR61	9.02099	11.3248	6.85576	8.27341	8.25176	7.97885	cysteine rich angiogenic inducer 61 [Source:HGNC Symbol;Acc:HG	chr1:86046	NM_00155	.	.	.	NP_001545	.	protein_co	ENSG0000	3491	2654
CYS1	2.12195	2.7506	3.41173	2.19987	2.1096	3.52945	cystin 1 [Source:HGNC Symbol;Acc:HGNC:18525]	chr2:10196	NM_00103	.	.	.	NP_001032	.	protein_co	ENSG0000	192668	18525
CYSLTR1	0	0	0	0	0	0	cysteinyl leukotriene receptor 1 [Source:HGNC Symbol;Acc:HGNC	chrX:77526	NM_00128	.	.	.	NP_001269	.	protein_co	ENSG0000	10800	17451
CYSLTR2	0	0	0	0	0	0	cysteinyl leukotriene receptor 2 [Source:HGNC Symbol;Acc:HGNC	chr13:4922	NM_02037	.	.	.	NP_001295	.	protein_co	ENSG0000	57105	18274
CYSRT1	2.16417	3.17647	4.40398	2.13794	2.01772	1.21957	cysteine rich tail 1 [Source:HGNC Symbol;Acc:HGNC:30529]	chr9:14011	NM_19900	.	.	.	NP_945352	.	protein_co	ENSG0000	375791	30529
CYSTM1	44.6182	40.4672	39.9749	51.9559	45.0185	47.8977	cysteine rich transmembrane module containing 1 [Source:HGNC	chr5:13955	NM_03241	.	.	.	NP_115788	.	protein_co	ENSG0000	84418	30239
CYTH1	17.281	17.2708	16.5609	16.6472	18.2187	18.0939	cytohesin 1 [Source:HGNC Symbol;Acc:HGNC:9501]	chr17:7667	NM_00129	XM_01702	.	.	NP_001278	XP_011523	protein_co	ENSG0000	9267	9501
CYTH2	15.547	13.7853	14.7722	13.2189	12.9153	16.1832	cytohesin 2 [Source:HGNC Symbol;Acc:HGNC:9502]	chr19:4894	NM_00422	XM_00672	.	.	NP_004219	XP_006723	protein_co	ENSG0000	9266	9502

CYTH3	8.48187	9.82693	10.6167	9.165	9.3579	10.3048	cytohesin 3 [Source:HGNC Symbol;Acc:HGNC:9504]	chr7:62014	NM_00422	.	.	.	NP_00421	.	protein_co	ENSG0000	9265	9504
CYTH4	1.65124	1.1846	1.43865	1.53007	1.61384	0.986134	cytohesin 4 [Source:HGNC Symbol;Acc:HGNC:9505]	chr22:3767	NM_00131	XM_01153	.	.	NP_00130	XP_01152	protein_co	ENSG0000	27128	9505
CYTIP	0	0	0	0	0	0.072339	cytohesin 1 interacting protein [Source:HGNC Symbol;Acc:HGNC:	chr2:15827	NM_00428	.	.	.	NP_00427	.	protein_co	ENSG0000	9595	9506
CYTL1	0	0	0	0	0	0	cytokine like 1 [Source:HGNC Symbol;Acc:HGNC:24435]	chr4:50163	NM_01865	.	.	.	NP_06112	.	protein_co	ENSG0000	54360	24435
CYYR1	0	0	0	0	0	0	cysteine and tyrosine rich 1 [Source:HGNC Symbol;Acc:HGNC:162	chr21:2783	NM_00132	XM_01152	.	.	NP_00130	.	protein_co	ENSG0000	116159	16274
D2HGDH	6.25437	7.48315	12.1993	7.61724	5.77422	7.8724	D-2-hydroxyglutarate dehydrogenase [Source:HGNC Symbol;Acc:	chr2:24267	NM_00128	XM_01700	.	.	NP_00127	XP_01151	protein_co	ENSG0000	728294	28358
DAAM1	2.9791	2.65926	2.93222	2.08278	2.41068	4.18867	dishevelled associated activator of morphogenesis 1 [Source:HGN	chr14:5965	NM_00127	XM_00526	.	.	NP_00125	XP_00526	protein_co	ENSG0000	23002	18142
DAAM2	0	0	0	0	0	0	dishevelled associated activator of morphogenesis 2 [Source:HGN	chr6:39760	NM_00120	XM_01151	.	.	NP_00118	XP_00671	protein_co	ENSG0000	23500	18143
DAB1	0	0	0	0	0.016648	0.040501	DAB1, reelin adaptor protein [Source:HGNC Symbol;Acc:HGNC:26	chr1:57460	NM_02108	.	.	.	NP_06656	.	protein_co	ENSG0000	1600	2661
DAB2	3.20318	2.94034	3.20553	2.62905	2.98017	3.50487	DAB2, clathrin adaptor protein [Source:HGNC Symbol;Acc:HGNC:	chr5:39371	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	1601	2662
DAB2IP	9.33459	8.716	8.9406	13.2086	13.084	11.5479	DAB2 interacting protein [Source:HGNC Symbol;Acc:HGNC:17294	chr9:12432	NM_03255	XM_01701	.	.	NP_11594	XP_00525	protein_co	ENSG0000	153090	17294
DACH1	0	0	0.022116	0	0	0	dachshund family transcription factor 1 [Source:HGNC Symbol;Ac	chr13:7201	NM_00439	XM_01153	.	.	NP_00438	XP_01153	protein_co	ENSG0000	1602	2663
DACH2	0	0	0	0	0	0	dachshund family transcription factor 2 [Source:HGNC Symbol;Ac	chrX:85403	NM_00113	XM_01153	.	.	NP_00113	XP_01152	protein_co	ENSG0000	117154	16814
DACT1	0.405249	0.484559	0.793296	2.79485	3.09765	2.05838	dishevelled binding antagonist of beta catenin 1 [Source:HGNC Sy	chr14:5910	NM_00107	XM_00672	.	.	NP_00107	XP_00672	protein_co	ENSG0000	51339	17748
DACT2	0	0	0	0	0	0	dishevelled binding antagonist of beta catenin 2 [Source:HGNC Sy	chr6:16869	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	168002	21231
DACT3	1.83226	2.10566	3.19769	2.1689	2.55024	2.47404	dishevelled binding antagonist of beta catenin 3 [Source:HGNC Sy	chr19:4715	NM_00130	XM_01152	.	.	NP_00128	XP_01152	protein_co	ENSG0000	147906	30745
DAD1	181.452	159.66	169.951	183.309	173.079	203.333	defender against cell death 1 [Source:HGNC Symbol;Acc:HGNC:26	chr14:2303	NM_00134	.	.	.	NP_00133	.	protein_co	ENSG0000	1603	2664
DAG1	48.948	50.3507	44.2903	43.1289	45.8255	40.0446	dystroglycan 1 [Source:HGNC Symbol;Acc:HGNC:2666]	chr3:49506	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	1605	2666
DAGLA	1.98053	1.66336	1.96183	1.3768	1.68774	1.25125	diacylglycerol lipase alpha [Source:HGNC Symbol;Acc:HGNC:1165	chr11:6144	NM_00613	XM_01154	.	.	NP_00612	XP_00527	protein_co	ENSG0000	747	1165
DAGLB	12.442	12.1918	9.81656	9.76012	7.30767	7.31829	diacylglycerol lipase beta [Source:HGNC Symbol;Acc:HGNC:28923	chr7:64487	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	221955	28923
DALRD3	21.1933	17.3988	21.2527	21.405	18.6147	16.7848	DALR anticodon binding domain containing 3 [Source:HGNC Symb	chr3:49027	NM_00100	XM_01153	.	.	NP_00100	XP_00526	protein_co	ENSG0000	55152	25536
DAND5	0.049438	0.173455	0	0.093308	0.170356	0.106512	DAN domain BMP antagonist family member 5 [Source:HGNC Syn	chr19:1307	NM_15265	.	.	.	NP_68986	.	protein_co	ENSG0000	199699	26780
DAO	0	0.053505	0	0	0	0	D-amino acid oxidase [Source:HGNC Symbol;Acc:HGNC:2671]	chr12:1092	NM_00191	XM_01153	.	.	NP_00190	XP_00526	protein_co	ENSG0000	1610	2671
DAOA	0	0	0	0	0	0	D-amino acid oxidase activator [Source:HGNC Symbol;Acc:HGNC:	chr13:1061	NM_00116	XM_00525	.	.	NP_00115	XP_00525	protein_co	ENSG0000	267012	21191
DAP	49.6377	50.7322	51.7765	52.2546	46.6146	45.123	death associated protein [Source:HGNC Symbol;Acc:HGNC:2672]	chr5:10679	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	1611	2672
DAP3	87.4329	89.5957	81.4587	104.944	89.3818	89.0183	death associated protein 3 [Source:HGNC Symbol;Acc:HGNC:267	chr1:15562	NM_00119	XM_01700	.	.	NP_00118	XP_00524	protein_co	ENSG0000	7818	2673
DAPK1	1.93655	1.76842	2.33153	1.74377	2.03245	2.01862	death associated protein kinase 1 [Source:HGNC Symbol;Acc:HGN	chr9:90112	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	1612	2674
DAPK2	1.29426	1.23754	1.69467	1.29759	1.2876	1.70488	death associated protein kinase 2 [Source:HGNC Symbol;Acc:HGN	chr15:6419	NM_01432	XM_01152	.	.	NP_05514	XP_01151	protein_co	ENSG0000	23604	2675
DAPK3	24.5575	23.2624	22.8805	27.8422	24.244	20.1873	death associated protein kinase 3 [Source:HGNC Symbol;Acc:HGN	chr19:3958	NM_00134	XM_00525	NR_03036	.	NP_00133	XP_00525	protein_co	ENSG0000	693222	2676
DAPL1	0	0	0.144515	0	0.190491	0.1723	death associated protein like 1 [Source:HGNC Symbol;Acc:HGNC:	chr2:15965	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	92196	21490
DAPP1	1.01714	0.832055	0.27936	0.122475	0.16932	0.186713	dual adaptor of phosphotyrosine and 3-phosphoinositides 1 [Sou	chr4:10073	NM_00130	XM_01153	.	.	NP_00129	XP_01153	protein_co	ENSG0000	27071	16500
DARS	51.3114	48.2146	47.8582	46.5415	54.7758	56.1328	aspartyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:2678]	chr2:13666	NM_00129	.	.	.	NP_00128	XP_01685	protein_co	ENSG0000	1615	2678
DARS2	17.9991	19.7007	12.0537	20.0926	19.9323	14.1042	aspartyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol	chr1:17379	NM_01812	XM_00671	.	.	NP_06059	XP_00671	protein_co	ENSG0000	55157	25538
DAW1	0.178001	0.046762	0.038525	0	0.050007	0	dynein assembly factor with WD repeats 1 [Source:HGNC Symbol	chr2:22873	NM_17882	XM_01151	.	.	NP_84914	XP_01150	protein_co	ENSG0000	164781	26383
DAXX	31.3109	34.7985	26.8927	37.3362	33.1375	25.3208	death domain associated protein [Source:HGNC Symbol;Acc:HGN	chr6:33286	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	1616	2681
DAZ1	0	0	0	0	0	0	deleted in azoospermia 1 [Source:HGNC Symbol;Acc:HGNC:2682]	chrY:25275	NM_00408	XM_01153	.	.	NP_00407	XP_01152	protein_co	ENSG0000	1617	2682
DAZ2	0	0	0	0	0	0	deleted in azoospermia 2 [Source:HGNC Symbol;Acc:HGNC:15964	chrY:25365	NM_00100	XM_01153	.	.	NP_00100	XP_01152	protein_co	ENSG0000	57135	15964
DAZ3	0	0	0	0	0	0	deleted in azoospermia 3 [Source:HGNC Symbol;Acc:HGNC:15965	chrY:26909	NM_02036	XM_01153	.	.	NP_06509	.	protein_co	ENSG0000	57054	15965
DAZ4	0	0	0	0	0	0	deleted in azoospermia 4 [Source:HGNC Symbol;Acc:HGNC:15966	chrY:26979	NM_00100	XM_01153	.	.	NP_00100	XP_00526	protein_co	ENSG0000	57135	15966
DAZAP1	78.2762	83.9995	63.2287	103.295	79.1391	86.407	DAZ associated protein 1 [Source:HGNC Symbol;Acc:HGNC:2683]	chr19:1407	NM_01895	XM_01702	.	.	NP_06183	XP_00525	protein_co	ENSG0000	26528	2683
DAZAP2	166.839	171.87	163.189	169.084	158.296	162.586	DAZ associated protein 2 [Source:HGNC Symbol;Acc:HGNC:2684]	chr12:5163	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	9802	2684
DAZL	0	0	0	0	0	0	deleted in azoospermia like [Source:HGNC Symbol;Acc:HGNC:268	chr3:16628	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	1618	2685
DBF4	10.0184	10.8589	11.0121	13.7286	18.8627	17.6014	DBF4 zinc finger [Source:HGNC Symbol;Acc:HGNC:17364]	chr7:87462	NM_00671	XM_01151	.	.	NP_00670	.	protein_co	ENSG0000	10926	17364
DBF4B	3.36289	3.39268	3.74722	4.68007	4.10392	3.11498	DBF4 zinc finger B [Source:HGNC Symbol;Acc:HGNC:17883]	chr17:4278	NM_02510	XM_01152	.	.	NP_07938	XP_00672	protein_co	ENSG0000	80174	17883
DBH	0	0	0	0	0	0	dopamine beta-hydroxylase [Source:HGNC Symbol;Acc:HGNC:26	chr9:13650	NM_00078	.	.	.	NP_00077	.	protein_co	ENSG0000	1621	2689
DBI	194.758	173.388	239.927	276.708	225.828	280.151	diazepam binding inhibitor, acyl-CoA binding protein [Source:HG	chr2:12012	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	1622	2690
DBN1	85.6548	88.2584	86.6758	109.071	100.377	91.1932	drebrin 1 [Source:HGNC Symbol;Acc:HGNC:2695]	chr5:17688	NM_00439	XM_01153	.	.	NP_00438	XP_00526	protein_co	ENSG0000	1627	2695
DBNDD1	35.2652	34.1119	42.1972	39.8586	33.9563	32.7973	dysbindin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:	chr16:9007	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	79007	28455
DBNDD2	36.3396	31.5944	31.7288	36.809	31.0816	24.1315	dysbindin domain containing 2 [Source:HGNC Symbol;Acc:HGNC:	chr20:4403	NM_00104	.	.	.	NP_00104	.	protein_co	ENSG0000	55861	15881
DBNL	33.4009	33.0764	28.9213	30.7927	28.9006	21.9522	drebrin like [Source:HGNC Symbol;Acc:HGNC:2696]	chr7:44084	NM_00101	XM_01151	NR_10689	.	NP_00101	XP_01151	protein_co	ENSG0000	10246698	2696
DBP	10.3798	8.8491	12.2586	9.97062	6.99856	11.1479	D-box binding PAR bZIP transcription factor [Source:HGNC Symbo	chr19:4911	NM_00135	.	.	.	NP_00134	.	protein_co	ENSG0000	1628	2697
DBR1	13.4853	13.5786	12.4613	15.1285	14.6447	12.2641	debranching RNA lariats 1 [Source:HGNC Symbol;Acc:HGNC:1559	chr3:13787	NM_01621	.	.	.	NP_05730	.	protein_co	ENSG0000	51163	15594
DBT	4.59701	5.54362	5.78704	4.51609	6.90046	6.94951	dihydrolipoamide branched chain transacylase E2 [Source:HGNC	chr1:10065	NM_00191	XM_00527	.	.	NP_00190	XP_00527	protein_co	ENSG0000	1629	2698
DBX1	0	0	0	0	0	0	developing brain homeobox 1 [Source:HGNC Symbol;Acc:HGNC:3	chr11:2017	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	120237	33185
DBX2	0	0	0	0	0	0	developing brain homeobox 2 [Source:HGNC Symbol;Acc:HGNC:3	chr12:4540	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	440097	33186
DCAF1	16.1863	16.5229	15.8684	14.5253	15.0917	14.1512	DDB1 and CUL4 associated factor 1 [Source:HGNC Symbol;Acc:HG	chr3:51428	NM_00117	XM_01700	.	.	NP_00116	XP_00527	protein_co	ENSG0000	9730	30911
DCAF10	6.18465	6.08635	7.48623	4.60513	5.69947	7.77248	DDB1 and CUL4 associated factor 10 [Source:HGNC Symbol;Acc:H	chr9:37800	NM_00128	XM_01701	.	.	NP_00127	XP_00525	protein_co	ENSG0000	79269	23686
DCAF11	21.4683	21.1134	21.9166	20.3075	17.3476	21.9517	DDB1 and CUL4 associated factor 11 [Source:HGNC Symbol;Acc:H	chr14:2454	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	80344	20258
DCAF12	25.3963	24.7587	25.2662	28.9704	27.8839	29.3766	DDB1 and CUL4 associated factor 12 [Source:HGNC Symbol;Acc:H	chr9:34086	NM_01539	.	.	.	NP_05621	.	protein_co	ENSG0000	25853	19911

DCAF12L1	0	0	0	0	0	0	DDB1 and CUL4 associated factor 12 like 1 [Source:HGNC Symbol	chrX:12568	NM_17847	.	.	.	NP_848565	.	protein_co	ENSG0000	139170	29395
DCAF12L2	0	0	0	0	0	0	DDB1 and CUL4 associated factor 12 like 2 [Source:HGNC Symbol	chrX:12529	NM_00101	.	.	.	NP_001013	.	protein_co	ENSG0000	340578	32950
DCAF13	89.9412	84.3135	81.9974	96.4006	89.0824	73.9111	DDB1 and CUL4 associated factor 13 [Source:HGNC Symbol;Acc:H	chr8:10441	NM_01542	.	.	.	NP_056235	.	protein_co	ENSG0000	25879	24535
DCAF15	20.2001	19.4324	17.564	27.3046	23.0835	20.3561	DDB1 and CUL4 associated factor 15 [Source:HGNC Symbol;Acc:H	chr19:1404	NM_13835	.	.	.	NP_612362	.	protein_co	ENSG0000	90379	25095
DCAF16	22.8939	23.4176	22.503	23.1161	27.7747	24.4387	DDB1 and CUL4 associated factor 16 [Source:HGNC Symbol;Acc:H	chr4:17802	NM_01774	XM_01151	.	.	NP_060211	XP_005248	protein_co	ENSG0000	54876	25987
DCAF17	6.79377	7.13386	6.02014	5.51824	5.91548	6.68772	DDB1 and CUL4 associated factor 17 [Source:HGNC Symbol;Acc:H	chr2:17217	NM_00116	XM_01151	.	.	NP_001158	XP_006712	protein_co	ENSG0000	80067	25784
DCAF4	8.0654	7.87233	8.81522	7.42091	7.13353	8.07512	DDB1 and CUL4 associated factor 4 [Source:HGNC Symbol;Acc:HG	chr14:7339	NM_00116	XM_01702	.	.	NP_001156	XP_016876	protein_co	ENSG0000	26094	20229
DCAF4L1	0.575622	0.40308	0.372064	0.318918	0.31004	0.128672	DDB1 and CUL4 associated factor 4 like 1 [Source:HGNC Symbol;A	chr4:41983	NM_00102	.	.	.	NP_001025	.	protein_co	ENSG0000	285429	27723
DCAF4L2	0	0	0	0	0	0	DDB1 and CUL4 associated factor 4 like 2 [Source:HGNC Symbol;A	chr8:88882	NM_15241	.	.	.	NP_689631	.	protein_co	ENSG0000	138009	26657
DCAF5	10.6202	10.1792	10.8256	10.7964	9.7402	9.6556	DDB1 and CUL4 associated factor 5 [Source:HGNC Symbol;Acc:HG	chr14:6951	NM_00128	XM_01702	.	.	NP_001271	XP_006720	protein_co	ENSG0000	8816	20224
DCAF6	13.0112	12.7475	18.4675	13.7581	12.8796	15.516	DDB1 and CUL4 associated factor 6 [Source:HGNC Symbol;Acc:HG	chr1:16788	NM_00101	XM_01700	.	.	NP_001017	XP_005245	protein_co	ENSG0000	55827	30002
DCAF7	40.6241	42.0063	48.6615	49.5627	48.2823	52.0523	DDB1 and CUL4 associated factor 7 [Source:HGNC Symbol;Acc:HG	chr17:6162	NM_00582	.	.	.	NP_005819	.	protein_co	ENSG0000	10238	30915
DCAF8	22.097	22.0594	22.4255	25.0555	23.098	21.3632	DDB1 and CUL4 associated factor 8 [Source:HGNC Symbol;Acc:HG	chr1:16018	NM_01572	.	.	.	NP_056541	.	protein_co	ENSG0000	50717	24891
DCAF8L1	0	0	0	0	0	0	DDB1 and CUL4 associated factor 8 like 1 [Source:HGNC Symbol;A	chrX:27996	NM_00101	.	.	.	NP_001017	.	protein_co	ENSG0000	139425	31810
DCAF8L2	0	0	0.055426	0	0	0	DDB1 and CUL4 associated factor 8 like 2 [Source:HGNC Symbol;A	chrX:27608	NM_00113	.	.	.	NP_001130	.	protein_co	ENSG0000	347442	31811
DCAKD	17.2006	16.1806	15.9991	14.4187	12.1389	13.7032	dephospho-CoA kinase domain containing [Source:HGNC Symbol	chr17:4310	NM_00112	XM_01152	.	.	NP_001122	XP_006722	protein_co	ENSG0000	79877	26238
DCANP1	0	0	0	0	0	0	dendritic cell associated nuclear protein [Source:HGNC Symbol;A	chr5:13477	NM_13084	.	.	.	NP_570900	.	protein_co	ENSG0000	140947	24459
DCBLD1	8.46554	8.77622	9.9684	9.049	9.84373	15.3925	discoidin, CUB and LCCL domain containing 1 [Source:HGNC Symb	chr6:11760	NM_17367	XM_01701	.	.	NP_775945	XP_005266	protein_co	ENSG0000	285761	21479
DCBLD2	216.33	220.724	190.098	303.879	346.489	414.597	discoidin, CUB and LCCL domain containing 2 [Source:HGNC Symb	chr3:98514	NM_08092	XM_01151	.	.	NP_563615	XP_011510	protein_co	ENSG0000	131566	24627
DCC	0	0	0	0	0	0	DCC netrin 1 receptor [Source:HGNC Symbol;Acc:HGNC:2701]	chr18:4986	NM_00521	XM_01702	.	.	NP_005206	XP_011524	protein_co	ENSG0000	1630	2701
DCD	0	0.108154	0	0	0	0	dermcidin [Source:HGNC Symbol;Acc:HGNC:14669]	chr12:5503	NM_00130	.	.	.	NP_001287	.	protein_co	ENSG0000	117159	14669
DCDC1	0.252794	0.161362	0.142923	0.219978	0.048148	0.224217	doublecortin domain containing 1 [Source:HGNC Symbol;Acc:HGN	chr11:3088	NM_02086	.	.	.	NP_065920	.	protein_co	ENSG0000	100506627	20625
DCDC2	0.016657	0	0.09839	0.181145	0.018457	0.048702	doublecortin domain containing 2 [Source:HGNC Symbol;Acc:HGN	chr6:24171	NM_00119	.	.	.	NP_001182	.	protein_co	ENSG0000	51473	18141
DCDC2B	0	0	0	0	0	0	doublecortin domain containing 2B [Source:HGNC Symbol;Acc:HG	chr1:32674	NM_00109	.	.	.	NP_001092	.	protein_co	ENSG0000	149069	32576
DCDC2C	0	0	0	0	0	0	doublecortin domain containing 2C [Source:HGNC Symbol;Acc:HG	chr2:37511	NM_00128	XM_01151	.	.	NP_001274	XP_006711	protein_co	ENSG0000	728597	32696
DCHS1	0.169854	0.11884	0.127288	0.14387	0.123432	0.132869	dachsous cadherin-related 1 [Source:HGNC Symbol;Acc:HGNC:13	chr11:6642	NM_00373	.	.	.	NP_003728	.	protein_co	ENSG0000	8642	13681
DCHS2	0	0	0	0	0	0	dachsous cadherin-related 2 [Source:HGNC Symbol;Acc:HGNC:23	chr4:15515	NM_00114	.	.	.	NP_001136	XP_016863	protein_co	ENSG0000	54798	23111
DCK	22.1533	23.2163	19.1176	24.7629	29.8761	24.7668	deoxycytidine kinase [Source:HGNC Symbol;Acc:HGNC:2704]	chr4:71859	NM_00078	.	.	.	NP_000779	.	protein_co	ENSG0000	1633	2704
DCLK1	0.184031	0.176854	0.278835	0.037792	0.037355	0.116447	doublecortin like kinase 1 [Source:HGNC Symbol;Acc:HGNC:2700]	chr13:3634	NM_00119	XM_01702	.	.	NP_001182	XP_005266	protein_co	ENSG0000	9201	2700
DCLK2	0.771062	1.35021	1.45729	0.780275	0.92439	0.960217	doublecortin like kinase 2 [Source:HGNC Symbol;Acc:HGNC:1900	chr4:15099	NM_00104	XM_00526	.	.	NP_001035	XP_005262	protein_co	ENSG0000	166614	19002
DCLK3	0	0	0	0	0	0	doublecortin like kinase 3 [Source:HGNC Symbol;Acc:HGNC:1900	chr3:36753	NM_03340	XM_01153	.	.	NP_208382	XP_011532	protein_co	ENSG0000	85443	19005
DCLRE1A	13.5462	13.9785	10.7761	13.1363	15.2287	14.0504	DNA cross-link repair 1A [Source:HGNC Symbol;Acc:HGNC:17660]	chr10:1155	NM_00127	XM_01154	.	.	NP_001258	XP_006718	protein_co	ENSG0000	9937	17660
DCLRE1B	8.28768	8.97745	8.07236	8.44897	7.66823	6.72384	DNA cross-link repair 1B [Source:HGNC Symbol;Acc:HGNC:17641]	chr1:11444	NM_02283	.	.	.	NP_073747	.	protein_co	ENSG0000	64858	17641
DCLRE1C	4.87317	5.79388	4.41315	4.04679	5.17009	4.39342	DNA cross-link repair 1C [Source:HGNC Symbol;Acc:HGNC:17642]	chr10:1492	NM_00103	XM_01151	.	.	NP_001029	XP_006717	protein_co	ENSG0000	64421	17642
DCN	0	0	0	0	0	0	decorin [Source:HGNC Symbol;Acc:HGNC:2705]	chr12:9153	NM_00192	XM_00671	.	.	NP_001911	XP_005268	protein_co	ENSG0000	1634	2705
DCP1A	11.6457	12.3302	12.0494	9.84938	11.6452	13.4304	decapping mRNA 1A [Source:HGNC Symbol;Acc:HGNC:18714]	chr3:53317	NM_00129	.	.	.	NP_001277	.	protein_co	ENSG0000	55802	18714
DCP1B	9.88281	8.22926	9.31186	8.33682	7.88206	8.55723	decapping mRNA 1B [Source:HGNC Symbol;Acc:HGNC:24451]	chr12:2055	NM_00131	XM_01152	.	.	NP_001306	XP_011519	protein_co	ENSG0000	196513	24451
DCP2	10.7934	12.4452	12.6366	10.1281	13.7139	19.37	decapping mRNA 2 [Source:HGNC Symbol;Acc:HGNC:24452]	chr5:11231	NM_00124	XM_01700	.	.	NP_001229	XP_016864	protein_co	ENSG0000	167227	24452
DCPS	14.5339	13.3344	13.0644	14.2347	11.048	11.3419	decapping enzyme, scavenger [Source:HGNC Symbol;Acc:HGNC:2	chr11:1261	NM_01402	XM_01154	.	.	NP_054745	XP_011541	protein_co	ENSG0000	28960	29812
DCST1	0.145803	0	0.093756	0.039305	0.084019	0.118849	DC-STAMP domain containing 1 [Source:HGNC Symbol;Acc:HGNC	chr1:15500	NM_00114	.	.	.	NP_001137	.	protein_co	ENSG0000	149095	26539
DCST2	0.554898	0.406327	0.538936	0.47725	0.213877	0.563582	DC-STAMP domain containing 2 [Source:HGNC Symbol;Acc:HGNC	chr1:15499	NM_14462	.	.	.	NP_653223	.	protein_co	ENSG0000	127579	26562
DCSTAMP	0	0	0	0	0	0	dendrocyte expressed seven transmembrane protein [Source:HG	chr8:10535	NM_00125	XM_01151	.	.	NP_001244	XP_005251	protein_co	ENSG0000	81501	18549
DCT	0.048669	0.127593	0.056303	0.147791	0.068387	0.09057	dopachrome tautomerase [Source:HGNC Symbol;Acc:HGNC:2709	chr13:9508	NM_00112	.	.	.	NP_001123	XP_016875	protein_co	ENSG0000	1638	2709
DCTD	44.4895	44.0168	47.1423	45.1575	42.76	38.6388	dCMP deaminase [Source:HGNC Symbol;Acc:HGNC:2710]	chr4:18381	NM_00101	XM_01700	.	.	NP_001012	XP_005262	protein_co	ENSG0000	1635	2710
DCTN1	36.1588	39.3352	33.3724	42.3907	40.2523	32.5266	dynactin subunit 1 [Source:HGNC Symbol;Acc:HGNC:2711]	chr2:74588	NM_00113	.	.	.	NP_001128	.	protein_co	ENSG0000	1639	2711
DCTN2	47.6719	47.2237	47.5966	57.3689	44.3728	50.988	dynactin subunit 2 [Source:HGNC Symbol;Acc:HGNC:2712]	chr12:5791	NM_00126	XM_01153	.	.	NP_001248	XP_011536	protein_co	ENSG0000	10540	2712
DCTN3	35.7208	33.5346	32.116	49.2938	43.231	36.741	dynactin subunit 3 [Source:HGNC Symbol;Acc:HGNC:2713]	chr9:34613	NM_00128	.	.	.	NP_001268	.	protein_co	ENSG0000	11258	2713
DCTN4	27.893	31.2356	27.4948	28.4425	32.831	32.4775	dynactin subunit 4 [Source:HGNC Symbol;Acc:HGNC:15518]	chr5:15008	NM_00113	XM_01153	.	.	NP_001129	XP_005268	protein_co	ENSG0000	51164	15518
DCTN5	14.2319	13.4133	12.9675	15.998	14.5694	12.909	dynactin subunit 5 [Source:HGNC Symbol;Acc:HGNC:24594]	chr16:2365	NM_00119	.	.	.	NP_001185	.	protein_co	ENSG0000	84516	24594
DCTN6	31.3819	29.0731	30.9458	33.4272	28.9913	30.4519	dynactin subunit 6 [Source:HGNC Symbol;Acc:HGNC:16964]	chr8:30013	NM_00657	.	.	.	NP_006562	.	protein_co	ENSG0000	10671	16964
DCTPP1	156.261	150.751	137.519	193.822	146.834	103.673	dCTP pyrophosphatase 1 [Source:HGNC Symbol;Acc:HGNC:28777	chr16:3041	NM_02409	.	.	.	NP_077001	.	protein_co	ENSG0000	79077	28777
DCUN1D1	10.6548	10.5237	12.4922	9.5403	12.7197	16.4093	defective in cullin neddylation 1 domain containing 1 [Source:HG	chr3:18265	NM_00130	XM_01151	.	.	NP_001295	XP_005247	protein_co	ENSG0000	54165	18184
DCUN1D2	10.5192	9.83442	9.24064	8.70844	8.84878	9.16461	defective in cullin neddylation 1 domain containing 2 [Source:HG	chr13:1141	NM_00101	.	.	.	NP_001014	XP_016876	protein_co	ENSG0000	55208	20328
DCUN1D3	8.90309	9.9909	11.102	7.10497	7.90326	7.14908	defective in cullin neddylation 1 domain containing 3 [Source:HG	chr16:2077	NM_17347	.	.	.	NP_775746	.	protein_co	ENSG0000	123879	28734
DCUN1D4	11.1105	9.93541	11.3851	8.20265	10.7039	11.2386	defective in cullin neddylation 1 domain containing 4 [Source:HG	chr4:52709	NM_00104	XM_01153	.	.	NP_001035	XP_005265	protein_co	ENSG0000	23142	28998
DCUN1D5	42.0931	40.3465	44.4759	47.1245	52.9644	53.942	defective in cullin neddylation 1 domain containing 5 [Source:HG	chr11:1029	NM_03229	XM_00527	.	.	NP_115675	.	protein_co	ENSG0000	84259	28409
DCX	0.009103	0	0	0	0	0	doublecortin [Source:HGNC Symbol;Acc:HGNC:2714]	chrX:11053	NM_00055	XM_01702	.	.	NP_000546	XP_011529	protein_co	ENSG0000	1641	2714
DCXR	126.281	124.397	114.182	167.537	131.591	94.3308	dicarbonyl and L-xylulose reductase [Source:HGNC Symbol;Acc:H	chr17:7999	NM_00119	.	.	.	NP_001182	.	protein_co	ENSG0000	51181	18985
DDA1	20.2045	19.3321	18.5863	21.9542	18.846	17.3527	DET1 and DDB1 associated 1 [Source:HGNC Symbol;Acc:HGNC:28	chr19:1742	NM_02405	.	.	.	NP_076955	.	protein_co	ENSG0000	79016	28360

DDAH1	7.24835	7.5559	12.1663	6.62444	7.5235	10.9329	dimethylarginine dimethylaminohydrolase 1 [Source:HGNC Symb	chr1:85784	NM_00113	XM_01154	.	.	NP_00112	XP_00527	protein_co	ENSG0000	23576	2715
DDAH2	25.6687	26.6323	31.1125	31.1796	27.0094	34.6406	dimethylarginine dimethylaminohydrolase 2 [Source:HGNC Symb	chr6:31694	NM_00130	XM_01151	.	.	NP_00128	XP_01151	protein_co	ENSG0000	23564	2716
DDB1	99.4999	105.789	98.1318	115.738	100.521	85.6557	damage specific DNA binding protein 1 [Source:HGNC Symbol;Ac	chr11:6106	NM_00192	.	.	.	NP_00191	.	protein_co	ENSG0000	1642	2717
DDB2	28.1352	26.8162	35.2125	32.1074	28.0059	23.0769	damage specific DNA binding protein 2 [Source:HGNC Symbol;Ac	chr11:4723	NM_00010	.	.	.	NP_00009	.	protein_co	ENSG0000	1643	2718
DDC	0.095506	0.139402	0	0.158274	0.054288	0.148001	dopa decarboxylase [Source:HGNC Symbol;Acc:HGNC:2719]	chr7:50511	NM_00079	XM_01151	.	.	NP_00078	XP_00527	protein_co	ENSG0000	1644	2719
DDHD1	7.67231	8.36348	8.01952	10.0901	12.9758	10.9226	DDHD domain containing 1 [Source:HGNC Symbol;Acc:HGNC:197	chr14:5350	NM_00116	XM_01153	.	.	NP_00115	XP_00526	protein_co	ENSG0000	80821	19714
DDHD2	12.2292	11.6303	13.1717	10.7804	12.5557	15.0169	DDHD domain containing 2 [Source:HGNC Symbol;Acc:HGNC:291	chr8:38088	NM_00116	XM_01701	.	.	NP_00115	XP_00527	protein_co	ENSG0000	23259	29106
DDI1	0	0	0	0	0	0	DNA damage inducible 1 homolog 1 [Source:HGNC Symbol;Acc:H	chr11:1037	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	414301	18961
DDI2	9.21953	9.64949	10.5016	7.51708	9.52428	8.32338	DNA damage inducible 1 homolog 2 [Source:HGNC Symbol;Acc:H	chr1:15943	NM_03234	.	.	.	NP_11571	.	protein_co	ENSG0000	84301	24578
DDIAS	9.83358	9.67613	8.85346	9.57677	14.7765	10.4164	DNA damage induced apoptosis suppressor [Source:HGNC Symbo	chr11:8261	NM_14501	XM_01701	.	.	NP_65945	XP_01154	protein_co	ENSG0000	220042	26351
DDIT3	70.3019	63.4647	14.685	31.4359	23.463	94.0415	DNA damage inducible transcript 3 [Source:HGNC Symbol;Acc:HG	chr12:5785	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	1649	2726
DDIT4	114.992	128.426	75.1956	96.1209	101.549	342.206	DNA damage inducible transcript 4 [Source:HGNC Symbol;Acc:HG	chr10:7403	NM_01905	.	.	.	NP_06193	.	protein_co	ENSG0000	54541	24944
DDIT4L	3.69776	3.15455	6.60772	5.7642	7.51965	11.1823	DNA damage inducible transcript 4 like [Source:HGNC Symbol;Ac	chr4:10110	NM_14524	XM_00526	.	.	NP_66028	XP_00526	protein_co	ENSG0000	115265	30555
DDN	5.20501	5.44627	5.4529	7.34323	5.86692	4.27073	dendrin [Source:HGNC Symbol;Acc:HGNC:24458]	chr12:4938	NM_01508	.	.	.	NP_05590	XP_01153	protein_co	ENSG0000	23109	24458
DDO	0	0	0.102364	0	0	0	D-aspartate oxidase [Source:HGNC Symbol;Acc:HGNC:2727]	chr6:11071	NM_00364	.	.	.	NP_00364	.	protein_co	ENSG0000	8528	2727
DDOST	349.735	357.327	290.516	321.452	281.206	292.132	dolichyl-diphosphooligosaccharide--protein glycosyltransferase n	chr1:20978	NM_00521	.	.	.	NP_00520	.	protein_co	ENSG0000	1650	2728
DDR1	79.2501	82.7195	85.2682	60.4885	57.2257	55.5131	discoidin domain receptor tyrosine kinase 1 [Source:HGNC Symbo	chr6:30848	NM_00120	XM_01701	NR_03978	.	NP_00118	XP_00671	protein_co	ENSG0000	100616237	2730
DDR2	0.162075	0.325181	0.270256	0.104059	0.148369	0.172945	discoidin domain receptor tyrosine kinase 2 [Source:HGNC Symbo	chr1:16260	NM_00101	XM_01150	.	.	NP_00101	XP_00671	protein_co	ENSG0000	4921	2731
DDRGK1	22.1181	22.1278	16.2819	23.467	20.5694	15.8678	DDRGK domain containing 1 [Source:HGNC Symbol;Acc:HGNC:16	chr20:3170	NM_02393	.	.	.	NP_07642	.	protein_co	ENSG0000	65992	16110
DDT	100.804	93.4517	110.162	78.3541	62.1111	54.9278	D-dopachrome tautomerase [Source:HGNC Symbol;Acc:HGNC:27	chr22:2430	NM_00108	.	.	.	NP_00107	XP_01152	protein_co	ENSG0000	100037417	2732
DDTL	1.00112	0.872564	0.739664	0.660357	0.569892	0.419158	D-dopachrome tautomerase-like [Source:HGNC Symbol;Acc:HGN	chr22:2430	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	100037417	33446
DDX1	80.4551	77.9503	70.8148	92.7513	91.3727	77.0425	DEAD/H-box helicase 1 [Source:HGNC Symbol;Acc:HGNC:2734]	chr2:15731	NM_00493	.	.	.	NP_00493	.	protein_co	ENSG0000	1653	2734
DDX10	23.2958	23.1625	21.2575	26.4327	26.9158	20.0824	DEAD-box helicase 10 [Source:HGNC Symbol;Acc:HGNC:2735]	chr11:1085	NM_00439	.	.	.	NP_00438	.	protein_co	ENSG0000	1662	2735
DDX11	19.3861	20.95	18.6483	19.1881	18.438	13.9922	DEAD/H-box helicase 11 [Source:HGNC Symbol;Acc:HGNC:2736]	chr12:3122	NM_00125	XM_01701	.	.	NP_00124	XP_00525	protein_co	ENSG0000	1663	2736
DDX17	75.5823	74.5336	80.0946	58.2488	70.6781	70.1455	DEAD-box helicase 17 [Source:HGNC Symbol;Acc:HGNC:2740]	chr22:3886	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	10521	2740
DDX18	58.6078	58.9577	49.9927	66.4875	76.5323	55.6657	DEAD-box helicase 18 [Source:HGNC Symbol;Acc:HGNC:2741]	chr2:11857	NM_00677	.	.	.	NP_00676	.	protein_co	ENSG0000	8886	2741
DDX19A	24.4683	24.3249	23.4944	26.5887	24.9682	19.368	DEAD-box helicase 19A [Source:HGNC Symbol;Acc:HGNC:25628]	chr16:7032	NM_00132	XM_00525	.	.	NP_00130	.	protein_co	ENSG0000	55308	25628
DDX19B	9.8806	10.7307	9.79646	12.407	11.5227	10.7098	DEAD-box helicase 19B [Source:HGNC Symbol;Acc:HGNC:2742]	chr16:7032	NM_00101	XM_01152	.	.	NP_00101	XP_00672	protein_co	ENSG0000	11269	2742
DDX20	14.3714	13.1331	12.2739	13.0106	14.5402	12.2578	DEAD-box helicase 20 [Source:HGNC Symbol;Acc:HGNC:2743]	chr1:11226	NM_00720	.	.	.	NP_00913	.	protein_co	ENSG0000	11218	2743
DDX21	83.955	84.0454	84.201	93.2514	115.175	102.717	DEAD-box helicase 21 [Source:HGNC Symbol;Acc:HGNC:2744]	chr10:7071	NM_00125	XM_01154	.	.	NP_00124	XP_01153	protein_co	ENSG0000	9188	2744
DDX23	33.2825	34.1325	30.7416	41.084	35.777	22.8793	DEAD-box helicase 23 [Source:HGNC Symbol;Acc:HGNC:17347]	chr12:4922	NM_00481	.	.	.	NP_00480	.	protein_co	ENSG0000	9416	17347
DDX24	80.8531	77.9428	75.2164	97.3043	90.4265	69.0197	DEAD-box helicase 24 [Source:HGNC Symbol;Acc:HGNC:13266]	chr14:9449	NM_02041	.	.	.	NP_06514	.	protein_co	ENSG0000	57062	13266
DDX25	0.302078	0.272501	0.149766	0.338672	0.144913	0.259765	DEAD-box helicase 25 [Source:HGNC Symbol;Acc:HGNC:18698]	chr11:1257	NM_01326	XM_01701	.	.	NP_03739	XP_01154	protein_co	ENSG0000	29118	18698
DDX27	18.9538	18.8963	16.9891	19.8926	18.7197	15.1148	DEAD-box helicase 27 [Source:HGNC Symbol;Acc:HGNC:15837]	chr20:4783	NM_01789	XM_01152	.	.	NP_06036	XP_01152	protein_co	ENSG0000	55661	15837
DDX28	15.0144	14.5121	15.338	14.0792	12.0277	10.2802	DEAD-box helicase 28 [Source:HGNC Symbol;Acc:HGNC:17330]	chr16:6805	NM_01838	.	.	.	NP_06085	.	protein_co	ENSG0000	55794	17330
DDX31	12.1724	13.0528	11.462	14.1432	11.0824	9.56909	DEAD-box helicase 31 [Source:HGNC Symbol;Acc:HGNC:16715]	chr9:13546	NM_00132	XM_01151	.	.	NP_00130	XP_00527	protein_co	ENSG0000	64794	16715
DDX39A	91.0606	88.0302	63.9767	120.855	97.0576	62.0387	DEAD-box helicase 39A [Source:HGNC Symbol;Acc:HGNC:17821]	chr19:1451	NM_00580	XM_01152	.	.	NP_00579	XP_01152	protein_co	ENSG0000	10212	17821
DDX39B	153.772	146.179	140.507	165.327	143.617	153.333	DEAD-box helicase 39B [Source:HGNC Symbol;Acc:HGNC:13917]	chr6:31496	NM_00464	.	.	.	NP_00463	.	protein_co	ENSG0000	7919	13917
DDX3X	90.634	93.1721	90.3348	96.8112	116.328	118.302	DEAD-box helicase 3, X-linked [Source:HGNC Symbol;Acc:HGNC:2	chrX:41192	NM_00119	XM_01154	NR_12609	.	NP_00118	XP_01154	protein_co	ENSG0000	1654	2745
DDX3Y	2.64294	2.80953	2.77172	0	0.026602	0	DEAD-box helicase 3, Y-linked [Source:HGNC Symbol;Acc:HGNC:2	chrY:15016	NM_00112	XM_00672	.	.	NP_00111	.	protein_co	ENSG0000	8653	2699
DDX4	0	0	0.032384	0.084457	0	0.036543	DEAD-box helicase 4 [Source:HGNC Symbol;Acc:HGNC:18700]	chr5:55033	NM_00114	XM_01154	.	.	NP_00113	XP_01154	protein_co	ENSG0000	54514	18700
DDX41	36.8951	40.2982	36.0852	42.9382	37.0815	31.0653	DEAD-box helicase 41 [Source:HGNC Symbol;Acc:HGNC:18674]	chr5:17693	NM_01622	XM_00671	.	.	NP_05730	.	protein_co	ENSG0000	51428	18674
DDX42	68.0627	70.8499	67.8101	67.5053	69.2969	63.2204	DEAD-box helicase 42 [Source:HGNC Symbol;Acc:HGNC:18676]	chr17:6185	NM_00737	XM_01702	.	.	NP_03139	XP_00672	protein_co	ENSG0000	11325	18676
DDX43	0	0	0	0	0	0.027101	DEAD-box helicase 43 [Source:HGNC Symbol;Acc:HGNC:18677]	chr6:74078	NM_01866	XM_01153	.	.	NP_06113	XP_01153	protein_co	ENSG0000	55510	18677
DDX46	40.6619	40.1413	36.4787	47.5333	50.3996	39.3328	DEAD-box helicase 46 [Source:HGNC Symbol;Acc:HGNC:18681]	chr5:13409	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	9879	18681
DDX47	66.5295	66.4748	67.0783	77.1435	73.0991	65.9548	DEAD-box helicase 47 [Source:HGNC Symbol;Acc:HGNC:18682]	chr12:1296	NM_01635	.	.	.	NP_05743	.	protein_co	ENSG0000	51202	18682
DDX49	33.4935	32.762	27.9404	34.4209	28.6451	20.229	DEAD-box helicase 49 [Source:HGNC Symbol;Acc:HGNC:18684]	chr19:1903	NM_01907	XM_01152	.	.	NP_06194	XP_01152	protein_co	ENSG0000	54555	18684
DDX5	393.321	384.802	383.922	400.126	433.317	340.873	DEAD-box helicase 5 [Source:HGNC Symbol;Acc:HGNC:2746]	chr17:6249	NM_00439	XM_01152	NR_03989	.	NP_00130	XP_00525	protein_co	ENSG0000	100616408	2746
DDX50	15.9937	15.1611	14.4538	14.41	16.8749	16.3271	DEAD-box helicase 50 [Source:HGNC Symbol;Acc:HGNC:17906]	chr10:7066	NM_02404	XM_01154	.	.	NP_07695	XP_00527	protein_co	ENSG0000	79009	17906
DDX51	8.92932	9.95608	10.3966	9.86502	9.3035	7.00285	DEAD-box helicase 51 [Source:HGNC Symbol;Acc:HGNC:20082]	chr12:1326	NM_17506	.	.	.	NP_77823	.	protein_co	ENSG0000	317781	20082
DDX52	10.5553	10.4671	10.6575	11.235	12.9756	11.5993	DEAD-box helicase 52 [Source:HGNC Symbol;Acc:HGNC:20038]	chr17:3596	NM_00129	XM_01152	.	.	NP_00127	XP_01152	protein_co	ENSG0000	11056	20038
DDX53	0	0	0	0	0	0	DEAD-box helicase 53 [Source:HGNC Symbol;Acc:HGNC:20083]	chrX:23018	NM_18269	.	.	.	NP_87435	.	protein_co	ENSG0000	168400	20083
DDX54	30.2869	31.8964	28.6664	36.0084	30.1328	24.5055	DEAD-box helicase 54 [Source:HGNC Symbol;Acc:HGNC:20084]	chr12:1135	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	79039	20084
DDX55	17.9033	16.9406	17.9186	20.1301	20.3027	15.5316	DEAD-box helicase 55 [Source:HGNC Symbol;Acc:HGNC:20085]	chr12:1240	NM_02093	XM_01701	.	.	NP_06598	XP_01687	protein_co	ENSG0000	57696	20085
DDX56	60.0979	61.3782	51.837	67.2924	60.807	38.0854	DEAD-box helicase 56 [Source:HGNC Symbol;Acc:HGNC:18193]	chr7:44605	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	54606	18193
DDX58	14.4364	14.1488	5.17129	8.95466	12.4438	11.2733	DEXD/H-box helicase 58 [Source:HGNC Symbol;Acc:HGNC:19102]	chr9:32455	NM_01431	.	.	.	NP_05512	.	protein_co	ENSG0000	23586	19102
DDX59	7.40851	7.48342	6.88483	6.01298	6.29914	7.66947	DEAD-box helicase 59 [Source:HGNC Symbol;Acc:HGNC:25360]	chr1:20059	NM_00103	XM_01151	.	.	NP_00102	XP_00524	protein_co	ENSG0000	83479	25360
DDX6	58.608	62.5932	52.4796	61.782	72.7477	71.0152	DEAD-box helicase 6 [Source:HGNC Symbol;Acc:HGNC:2747]	chr11:1186	NM_00125	XM_01154	.	.	NP_00124	XP_00527	protein_co	ENSG0000	1656	2747
DDX60	4.62605	4.42784	2.02024	2.13095	3.22116	3.06331	DEXD/H-box helicase 60 [Source:HGNC Symbol;Acc:HGNC:25942]	chr4:16913	NM_01763	XM_01153	.	.	NP_06010	XP_01153	protein_co	ENSG0000	55601	25942

DDX60L	4.62628	4.50469	5.14699	3.59174	5.75886	6.4446	DEAD-box helicase 60-like [Source:HGNC Symbol;Acc:HGNC:2642	chr4:16927	NM_00101	XM_01153	.	.	NP_00101	XP_005263	protein_co	ENSG0000	91351	26429
DEAF1	8.83452	8.39982	9.28245	8.95793	6.9976	6.45685	DEAF1, transcription factor [Source:HGNC Symbol;Acc:HGNC:146	chr11:6442	NM_02100	XM_01151	.	.	NP_06628	XP_011518	protein_co	ENSG0000	10522	14677
DEC1	0	0	0	0	0	0	deleted in esophageal cancer 1 [Source:HGNC Symbol;Acc:HGNC:	chr9:11790	NM_01741	XM_01151	.	.	NP_05911	XP_011517	protein_co	ENSG0000	50514	23658
DECR1	43.4763	40.9701	57.1925	51.4697	49.562	68.0932	2,4-dienoyl-CoA reductase 1, mitochondrial [Source:HGNC Symbo	chr8:91013	NM_00135	XM_01701	.	.	NP_00135	XP_005250	protein_co	ENSG0000	1666	2753
DECR2	10.2791	10.6369	7.97683	7.01622	5.98069	6.94185	2,4-dienoyl-CoA reductase 2, peroxisomal [Source:HGNC Symbol;	chr16:4518	NM_02066	.	.	.	NP_06571	.	protein_co	ENSG0000	26063	2754
DEDD	18.6735	19.4448	17.0055	19.2654	17.8497	19.3091	death effector domain containing [Source:HGNC Symbol;Acc:HGN	chr1:16107	NM_00103	XM_00524	.	.	NP_00103	XP_005245	protein_co	ENSG0000	9191	2755
DEDD2	31.6498	32.7439	26.6763	33.5066	30.3261	23.7532	death effector domain containing 2 [Source:HGNC Symbol;Acc:HG	chr19:4270	NM_00127	XM_01152	NR_07304	.	NP_00125	XP_011524	protein_co	ENSG0000	162989	24450
DEF6	19.8316	18.8124	17.8388	22.8013	20.1758	20.2645	DEF6, guanine nucleotide exchange factor [Source:HGNC Symbol;	chr6:35265	NM_02204	.	.	.	NP_07133	.	protein_co	ENSG0000	50619	2760
DEF8	61.6363	56.253	59.7038	70.8802	54.8653	50.1985	differentially expressed in FDCP 8 homolog [Source:HGNC Symbo	chr16:9001	NM_00124	XM_01702	.	.	NP_00122	XP_005256	protein_co	ENSG0000	54849	25969
DEFA1	0	0	0	0	0	0	defensin alpha 1 [Source:HGNC Symbol;Acc:HGNC:2761]	chr8:68351	NM_00408	.	.	.	NP_00128	XP_011533	protein_co	ENSG0000	728358	2761
DEFA1B	0	0	0	0	0	0	defensin alpha 1B [Source:HGNC Symbol;Acc:HGNC:33596]	chr8:68542	NM_00104	.	.	.	NP_00103	XP_011533	protein_co	ENSG0000	728358	33596
DEFA3	0	0	0	0	0	0	defensin alpha 3 [Source:HGNC Symbol;Acc:HGNC:2762]	chr8:68733	NM_00521	.	.	.	NP_00520	XP_011533	protein_co	ENSG0000	1668	2762
DEFA4	0	0	0	0	0	0	defensin alpha 4 [Source:HGNC Symbol;Acc:HGNC:2763]	chr8:67933	NM_00192	.	.	.	NP_00191	.	protein_co	ENSG0000	1669	2763
DEFA5	0	0	0	0	0	0	defensin alpha 5 [Source:HGNC Symbol;Acc:HGNC:2764]	chr8:69128	NM_02101	.	.	.	NP_06629	.	protein_co	ENSG0000	1670	2764
DEFA6	0	0	0	0	0	0	defensin alpha 6 [Source:HGNC Symbol;Acc:HGNC:2765]	chr8:67822	NM_00192	.	.	.	NP_00191	.	protein_co	ENSG0000	1671	2765
DEFB1	0	0	0	0.296625	0	0	defensin beta 1 [Source:HGNC Symbol;Acc:HGNC:2766]	chr8:67280	NM_00521	.	.	.	NP_00520	.	protein_co	ENSG0000	1672	2766
DEFB103A	0	0	0	0	0	0	defensin beta 103A [Source:HGNC Symbol;Acc:HGNC:15967]	chr8:77387	NM_00108	XM_01703	.	.	NP_00107	XP_016885	protein_co	ENSG0000	414325	15967
DEFB103B	0	0	0	0	0	0	defensin beta 103B [Source:HGNC Symbol;Acc:HGNC:31702]	chr8:72864	NM_01866	XM_01703	.	.	NP_06113	XP_016885	protein_co	ENSG0000	414325	31702
DEFB104A	0	0	0	0	0	0	defensin beta 104A [Source:HGNC Symbol;Acc:HGNC:18115]	chr8:76939	NM_08038	.	.	.	NP_52512	XP_016885	protein_co	ENSG0000	107984148	18115
DEFB104B	0	0	0	0	0	0	defensin beta 104B [Source:HGNC Symbol;Acc:HGNC:26165]	chr8:73278	NM_00104	.	.	.	NP_00103	XP_016885	protein_co	ENSG0000	107984148	26165
DEFB105A	0	0	0	0	0	0	defensin beta 105A [Source:HGNC Symbol;Acc:HGNC:18087]	chr8:76794	NM_15225	.	.	.	NP_68946	.	protein_co	ENSG0000	245908	18087
DEFB105B	0	0	0	0	0	0	defensin beta 105B [Source:HGNC Symbol;Acc:HGNC:29930]	chr8:73451	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	504180	29930
DEFB106A	0	0	0	0	0	0	defensin beta 106A [Source:HGNC Symbol;Acc:HGNC:18088]	chr8:76826	NM_15225	.	.	.	NP_68946	.	protein_co	ENSG0000	245909	18088
DEFB106B	0	0	0	0	0	0	defensin beta 106B [Source:HGNC Symbol;Acc:HGNC:28879]	chr8:73400	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	503841	28879
DEFB107A	0	0	0	0	0	0	defensin beta 107A [Source:HGNC Symbol;Acc:HGNC:18086]	chr8:76692	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	245910	18086
DEFB107B	0	0	0	0	0	0	defensin beta 107B [Source:HGNC Symbol;Acc:HGNC:31918]	chr8:73533	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	503614	31918
DEFB108B	0	0	0	0	0	0	defensin beta 108B [Source:HGNC Symbol;Acc:HGNC:29966]	chr11:7154	NM_00100	.	.	.	NP_00100	XP_016885	protein_co	ENSG0000	107987553	29966
DEFB110	0	0	0	0	0	0	defensin beta 110 [Source:HGNC Symbol;Acc:HGNC:18091]	chr6:49976	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	245913	18091
DEFB112	0	0	0	0	0	0	defensin beta 112 [Source:HGNC Symbol;Acc:HGNC:18093]	chr6:50011	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	245915	18093
DEFB113	0	0	0	0	0	0	defensin beta 113 [Source:HGNC Symbol;Acc:HGNC:18094]	chr6:49936	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	245927	18094
DEFB114	0	0	0	0	0	0	defensin beta 114 [Source:HGNC Symbol;Acc:HGNC:18095]	chr6:49927	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	245928	18095
DEFB115	0	0	0	0	0	0	defensin beta 115 [Source:HGNC Symbol;Acc:HGNC:18096]	chr20:2984	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	245929	18096
DEFB116	0	0	0	0	0	0	defensin beta 116 [Source:HGNC Symbol;Acc:HGNC:18097]	chr20:2989	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	245930	18097
DEFB118	0	0	0	0	0	0	defensin beta 118 [Source:HGNC Symbol;Acc:HGNC:16196]	chr20:2995	NM_05411	.	.	.	NP_47345	.	protein_co	ENSG0000	117285	16196
DEFB119	0	0	0	0	0	0	defensin beta 119 [Source:HGNC Symbol;Acc:HGNC:18099]	chr20:2996	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	245932	18099
DEFB121	0	0	0	0	0	0	defensin beta 121 [Source:HGNC Symbol;Acc:HGNC:18101]	chr20:2999	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	245934	18101
DEFB123	0	0	0	0	0	0	defensin beta 123 [Source:HGNC Symbol;Acc:HGNC:18103]	chr20:3002	NM_15332	.	.	.	NP_69701	.	protein_co	ENSG0000	245936	18103
DEFB124	0	0	0	0	0	0	defensin beta 124 [Source:HGNC Symbol;Acc:HGNC:18104]	chr20:3005	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	245937	18104
DEFB125	0	0	0	0	0	0	defensin beta 125 [Source:HGNC Symbol;Acc:HGNC:18105]	chr20:6835	NM_15332	.	.	.	NP_69702	.	protein_co	ENSG0000	245938	18105
DEFB126	0	0	0	0	0	0	defensin beta 126 [Source:HGNC Symbol;Acc:HGNC:15900]	chr20:1230	NM_03093	.	.	.	NP_11219	.	protein_co	ENSG0000	81623	15900
DEFB127	0	0	0	0	0	0	defensin beta 127 [Source:HGNC Symbol;Acc:HGNC:16206]	chr20:1381	NM_13907	.	.	.	NP_62071	.	protein_co	ENSG0000	140850	16206
DEFB128	0	0	0	0	0	0	defensin beta 128 [Source:HGNC Symbol;Acc:HGNC:18106]	chr20:1684	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	245939	18106
DEFB129	0	0	0	0	0	0	defensin beta 129 [Source:HGNC Symbol;Acc:HGNC:16218]	chr20:2078	NM_08083	.	.	.	NP_54302	.	protein_co	ENSG0000	140881	16218
DEFB130	0	0	0	0	0	0	defensin beta 130 [Source:HGNC Symbol;Acc:HGNC:18107]	chr8:12168	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	245940	18107
DEFB131	0	0	0	0	0	0	defensin beta 131 [Source:HGNC Symbol;Acc:HGNC:18108]	chr4:94462	NM_00104	.	.	.	NP_00103	XP_011547	protein_co	ENSG0000	105369240	18108
DEFB132	0	0	0	0	0	0	defensin beta 132 [Source:HGNC Symbol;Acc:HGNC:33806]	chr20:2383	NM_20746	.	.	.	NP_99735	.	protein_co	ENSG0000	400830	33806
DEFB133	0	0	0	0	0	0	defensin beta 133 [Source:HGNC Symbol;Acc:HGNC:31331]	chr6:49913	NM_00116	XM_01701	.	.	NP_00115	XP_016866	protein_co	ENSG0000	403339	31331
DEFB134	0	0	0.07353	0	0.093594	0	defensin beta 134 [Source:HGNC Symbol;Acc:HGNC:32399]	chr8:11850	NM_00130	XM_01703	.	.	NP_00128	XP_016869	protein_co	ENSG0000	105379765	32399
DEFB135	0	0	0	0	0	0	defensin beta 135 [Source:HGNC Symbol;Acc:HGNC:32400]	chr8:11839	NM_00103	.	.	.	NP_00102	XP_016885	protein_co	ENSG0000	107987561	32400
DEFB136	0	0	0	0	0	0	defensin beta 136 [Source:HGNC Symbol;Acc:HGNC:34433]	chr8:11831	NM_00103	.	.	.	NP_00102	XP_016885	protein_co	ENSG0000	107987560	34433
DEFB4A	0	0	0	0	0	0	defensin beta 4A [Source:HGNC Symbol;Acc:HGNC:2767]	chr8:77521	NM_00494	.	.	.	NP_00493	.	protein_co	ENSG0000	1673	2767
DEFB4B	0	0	0	0	0	0	defensin beta 4B [Source:HGNC Symbol;Acc:HGNC:30193]	chr8:72723	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	100289462	30193
DEGS1	31.1239	28.0397	30.336	28.2484	32.5866	26.4942	delta 4-desaturase, sphingolipid 1 [Source:HGNC Symbol;Acc:HGN	chr1:22437	NM_00367	.	.	.	NP_00366	.	protein_co	ENSG0000	8560	13709
DEGS2	0.720318	0.270675	1.1058	0.294279	0.175072	0.62551	delta 4-desaturase, sphingolipid 2 [Source:HGNC Symbol;Acc:HGN	chr14:1004	NM_20691	.	.	.	NP_99680	.	protein_co	ENSG0000	123099	20113
DEK	39.7257	37.3334	39.5915	37.688	49.2983	54.7159	DEK proto-oncogene [Source:HGNC Symbol;Acc:HGNC:2768]	chr6:18224	NM_00113	.	.	.	NP_00112	XP_016866	protein_co	ENSG0000	7913	2768
DENND1A	5.74484	6.3003	6.48527	5.94877	6.54847	7.50617	DENN domain containing 1A [Source:HGNC Symbol;Acc:HGNC:29	chr9:12614	NM_02094	XM_01151	.	.	NP_06599	XP_005252	protein_co	ENSG0000	57706	29324
DENND1B	1.50856	1.18457	1.63961	1.19463	1.42946	2.10324	DENN domain containing 1B [Source:HGNC Symbol;Acc:HGNC:28	chr1:19747	NM_00119	XM_01700	.	.	NP_00118	XP_005244	protein_co	ENSG0000	163486	28404
DENND1C	0.140006	0.098598	0.285573	0.150793	0.353956	0.358997	DENN domain containing 1C [Source:HGNC Symbol;Acc:HGNC:26	chr19:6463	NM_00129	XM_01152	.	.	NP_00127	XP_006722	protein_co	ENSG0000	79958	26225
DENND2A	0.179304	0.233673	0.23482	0.156352	0.061417	0.133012	DENN domain containing 2A [Source:HGNC Symbol;Acc:HGNC:22	chr7:14021	NM_00131	XM_01701	.	.	NP_00130	XP_005250	protein_co	ENSG0000	27147	22212

DENND2C	1.51429	1.36002	1.73291	1.18963	1.86308	2.1263	DENN domain containing 2C [Source:HGNC Symbol;Acc:HGNC:24	chr1:11512	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	163259	24748
DENND2D	12.4804	11.8136	14.0909	11.2024	9.84745	9.0296	DENN domain containing 2D [Source:HGNC Symbol;Acc:HGNC:26	chr1:11172	NM_00127	XM_01154	.	.	NP_00125	XP_006710	protein_co	ENSG0000	79961	26192
DENND3	3.70446	3.76902	4.60834	3.74138	4.06143	4.1436	DENN domain containing 3 [Source:HGNC Symbol;Acc:HGNC:291	chr8:14213	NM_01495	XM_01151	.	.	NP_05577	XP_005250	protein_co	ENSG0000	22898	29134
DENND4A	2.53877	2.49781	3.28147	1.58121	2.72613	3.92266	DENN domain containing 4A [Source:HGNC Symbol;Acc:HGNC:24	chr15:6590	NM_00114	XM_01702	.	.	NP_00113	XP_005254	protein_co	ENSG0000	10260	24321
DENND4B	10.3404	10.447	10.8802	10.4687	10.3493	9.91887	DENN domain containing 4B [Source:HGNC Symbol;Acc:HGNC:29	chr1:15390	NM_01485	XM_01151	.	.	NP_05567	XP_005245	protein_co	ENSG0000	9909	29044
DENND4C	5.97178	5.39161	6.97591	5.13208	6.87608	7.11436	DENN domain containing 4C [Source:HGNC Symbol;Acc:HGNC:26	chr9:19230	NM_01792	XM_00671	.	.	NP_06039	XP_006716	protein_co	ENSG0000	55667	26079
DENND5A	12.5711	13.457	15.008	11.6086	11.552	14.9537	DENN domain containing 5A [Source:HGNC Symbol;Acc:HGNC:19	chr11:9160	NM_00124	XM_01151	.	.	NP_00123	XP_005252	protein_co	ENSG0000	23258	19344
DENND5B	3.05036	3.70586	6.43704	3.21889	3.32406	3.67015	DENN domain containing 5B [Source:HGNC Symbol;Acc:HGNC:28	chr12:3153	NM_00130	XM_01152	.	.	NP_00129	XP_005253	protein_co	ENSG0000	160518	28338
DENND6A	6.20343	5.96378	6.94171	4.7297	5.87319	8.95446	DENN domain containing 6A [Source:HGNC Symbol;Acc:HGNC:26	chr3:57611	NM_15267	XM_01153	.	.	NP_68989	XP_006713	protein_co	ENSG0000	201627	26635
DENND6B	1.39916	1.43036	1.70339	1.06188	0.736481	1.13333	DENN domain containing 6B [Source:HGNC Symbol;Acc:HGNC:32	chr22:5074	NM_00100	XM_01153	.	.	NP_00100	XP_005261	protein_co	ENSG0000	414918	32690
DENR	34.3122	37.7686	39.3902	36.6756	41.6849	46.5528	density regulated re-initiation and release factor [Source:HGNC S	chr12:1232	NM_00367	.	.	.	NP_00366	.	protein_co	ENSG0000	8562	2769
DEPDC1	15.7092	14.9911	18.477	20.0002	30.5984	33.8494	DEP domain containing 1 [Source:HGNC Symbol;Acc:HGNC:22949	chr1:68939	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	55635	22949
DEPDC1B	20.0169	21.3256	15.5152	32.5745	31.9816	26.2198	DEP domain containing 1B [Source:HGNC Symbol;Acc:HGNC:2490	chr5:59892	NM_00114	XM_01154	.	.	NP_00113	XP_011541	protein_co	ENSG0000	55789	24902
DEPDC4	0.986941	0.639987	0.865009	0.52964	1.08049	0.954481	DEP domain containing 4 [Source:HGNC Symbol;Acc:HGNC:22952	chr12:1006	NM_00131	.	.	.	NP_00130	XP_016874	protein_co	ENSG0000	120863	22952
DEPDC5	4.12319	4.06817	4.07153	4.3669	4.48865	4.85674	DEP domain containing 5 [Source:HGNC Symbol;Acc:HGNC:18423	chr22:3214	NM_00100	XM_01702	.	.	NP_00100	XP_005261	protein_co	ENSG0000	9681	18423
DEPDC7	5.86078	5.92301	7.03872	5.66803	9.69816	7.58701	DEP domain containing 7 [Source:HGNC Symbol;Acc:HGNC:29899	chr11:3303	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	91614	29899
DEPTOR	1.86695	1.39822	3.82122	1.46536	1.59533	2.72407	DEP domain containing MTOR-interacting protein [Source:HGNC	chr8:12088	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	64798	22953
DERA	23.9338	25.5781	24.2222	26.4837	22.9232	28.9268	deoxyribose-phosphate aldolase [Source:HGNC Symbol;Acc:HGN	chr12:1606	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	51071	24269
DERL1	48.0529	44.8981	47.4655	45.2942	49.926	54.0082	derlin 1 [Source:HGNC Symbol;Acc:HGNC:28454]	chr8:12402	NM_00113	XM_01151	.	.	NP_00112	XP_006716	protein_co	ENSG0000	79139	28454
DERL2	27.6159	23.0197	14.7756	20.7687	23.4483	17.5641	derlin 2 [Source:HGNC Symbol;Acc:HGNC:17943]	chr17:5374	NM_00130	XM_01152	.	.	NP_00129	XP_011522	protein_co	ENSG0000	51009	17943
DERL3	0	0	0	0	0	0	derlin 3 [Source:HGNC Symbol;Acc:HGNC:14236]	chr22:2412	NM_00100	XM_01153	.	.	NP_00100	XP_011528	protein_co	ENSG0000	91319	14236
DES	0.888555	0.683937	1.23588	1.89974	1.62917	2.90212	desmin [Source:HGNC Symbol;Acc:HGNC:2770]	chr2:22028	NM_00192	.	.	.	NP_00191	.	protein_co	ENSG0000	1674	2770
DESI1	21.169	21.4348	19.8095	22.6764	20.3125	15.7613	desumoylating isopeptidase 1 [Source:HGNC Symbol;Acc:HGNC:2	chr22:4199	NM_01570	.	.	.	NP_05651	.	protein_co	ENSG0000	27351	24577
DESI2	21.8001	22.4938	22.6823	23.3556	28.315	35.8939	desumoylating isopeptidase 2 [Source:HGNC Symbol;Acc:HGNC:2	chr1:24481	NM_00129	XM_01154	.	.	NP_00128	XP_011542	protein_co	ENSG0000	51029	24264
DET1	2.34711	3.36868	2.29932	2.0298	2.17838	2.13665	de-etiolated homolog 1 (Arabidopsis) [Source:HGNC Symbol;Acc:	chr15:8905	NM_00114	XM_01152	.	.	NP_00113	XP_011520	protein_co	ENSG0000	55070	25477
DEXI	28.2718	26.906	26.1011	30.7733	26.0941	27.0725	Dexi homolog [Source:HGNC Symbol;Acc:HGNC:13267]	chr16:1097	NM_01401	.	.	.	NP_05473	XP_016878	protein_co	ENSG0000	28955	13267
DFFA	32.9394	33.7303	35.9971	39.3947	34.9881	25.57	DNA fragmentation factor subunit alpha [Source:HGNC Symbol;A	chr1:10516	NM_00440	.	.	.	NP_00439	.	protein_co	ENSG0000	1676	2772
DFFB	9.04811	7.92434	8.44463	8.33149	7.4889	4.25114	DNA fragmentation factor subunit beta [Source:HGNC Symbol;Ac	chr1:37738	NM_00128	XM_01154	.	.	NP_00126	.	protein_co	ENSG0000	1677	2773
DFNA5	7.47768	6.84513	7.7943	5.19617	4.44924	5.92269	DFNA5, deafness associated tumor suppressor [Source:HGNC Syn	chr7:24737	NM_00112	XM_01701	.	.	NP_00112	XP_016867	protein_co	ENSG0000	1687	2810
DFNB59	0.775073	0.614908	1.01137	0.418849	0.60695	1.25291	deafness, autosomal recessive 59 [Source:HGNC Symbol;Acc:HGN	chr2:17931	NM_00104	XM_01151	.	.	NP_00103	XP_005246	protein_co	ENSG0000	494513	29502
DGAT1	35.1307	32.8095	37.1595	36.5796	28.5179	30.3034	diacylglycerol O-acyltransferase 1 [Source:HGNC Symbol;Acc:HGN	chr8:14553	NM_01207	XM_01151	NR_10690	.	NP_03621	XP_011519	protein_co	ENSG0000	102465511	2843
DGAT2	4.29598	4.616	3.28267	3.9615	2.92268	3.3647	diacylglycerol O-acyltransferase 2 [Source:HGNC Symbol;Acc:HGN	chr11:7547	NM_00125	.	.	.	NP_00124	XP_011543	protein_co	ENSG0000	84649	16940
DGAT2L6	0	0	0	0	0	0	diacylglycerol O-acyltransferase 2 like 6 [Source:HGNC Symbol;Ac	chrX:69397	NM_19851	.	.	.	NP_94091	.	protein_co	ENSG0000	347516	23250
DGCR14	5.09367	4.66511	3.61418	5.72705	4.8164	3.58215	DiGeorge syndrome critical region gene 14 [Source:HGNC Symbo	chr22:1911	NM_02271	XM_00672	.	.	NP_07321	XP_005261	protein_co	ENSG0000	8220	16817
DGCR2	24.1455	25.3554	24.0481	24.9864	23.0714	21.3438	DiGeorge syndrome critical region gene 2 [Source:HGNC Symbol;	chr22:1902	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	9993	2845
DGCR6	10.0487	9.80848	10.1547	6.67226	6.84419	6.21194	DiGeorge syndrome critical region gene 6 [Source:HGNC Symbol;	chr22:1889	NM_00567	XM_01153	.	.	NP_00566	XP_011528	protein_co	ENSG0000	8214	2846
DGCR6L	40.2373	36.4374	32.2024	45.3873	31.8381	24.9663	DiGeorge syndrome critical region gene 6-like [Source:HGNC Sym	chr22:2030	NM_03325	XM_01153	.	.	NP_15028	.	protein_co	ENSG0000	85359	18551
DGCR8	14.7199	14.5261	12.9047	13.9057	13.9521	12.2031	DGCR8 microprocessor complex subunit [Source:HGNC Symbol;A	chr22:2006	NM_00119	.	NR_03170	.	NP_00117	.	protein_co	ENSG0000	100500860	2847
DGKA	12.879	12.7725	15.2138	13.313	12.4329	10.8107	diacylglycerol kinase alpha [Source:HGNC Symbol;Acc:HGNC:2849	chr12:5629	NM_00134	XM_01701	.	.	NP_00133	XP_005268	protein_co	ENSG0000	1606	2849
DGKB	0	0.037951	0.036297	0	0.015411	0.054132	diacylglycerol kinase beta [Source:HGNC Symbol;Acc:HGNC:2850	chr7:14184	NM_00408	XM_01151	.	.	NP_00407	XP_005249	protein_co	ENSG0000	1607	2850
DGKD	10.8365	12.9158	11.8906	10.646	10.6908	10.5866	diacylglycerol kinase delta [Source:HGNC Symbol;Acc:HGNC:2851	chr2:23426	NM_00364	XM_01700	.	.	NP_00363	XP_005246	protein_co	ENSG0000	8527	2851
DGKE	1.15488	1.40494	1.10112	1.11683	1.34583	1.54679	diacylglycerol kinase epsilon [Source:HGNC Symbol;Acc:HGNC:28	chr17:5491	NM_00364	XM_01152	.	.	NP_00363	XP_011523	protein_co	ENSG0000	8526	2852
DGKG	2.42754	2.55277	1.55021	2.22466	2.28655	1.51605	diacylglycerol kinase gamma [Source:HGNC Symbol;Acc:HGNC:28	chr3:18586	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	1608	2853
DGKH	1.26765	1.30282	1.97476	0.780165	1.24555	1.66638	diacylglycerol kinase eta [Source:HGNC Symbol;Acc:HGNC:2854]	chr13:4261	NM_00120	.	NR_12371	.	NP_00119	.	protein_co	ENSG0000	160851	2854
DGKI	0	0	0	0	0	0.005869	diacylglycerol kinase iota [Source:HGNC Symbol;Acc:HGNC:2855]	chr7:13706	NM_00471	XM_01151	.	.	NP_00130	XP_011514	protein_co	ENSG0000	9162	2855
DGKK	0	0	0	0	0	0	diacylglycerol kinase kappa [Source:HGNC Symbol;Acc:HGNC:323	chrX:50108	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	139189	32395
DGKQ	13.0055	13.0409	13.9174	5.99974	6.12805	7.49208	diacylglycerol kinase theta [Source:HGNC Symbol;Acc:HGNC:2856	chr4:95267	NM_00134	XM_01151	.	.	NP_00133	XP_011511	protein_co	ENSG0000	1609	2856
DGKZ	23.4211	24.4839	24.5309	28.9388	24.5143	20.8252	diacylglycerol kinase zeta [Source:HGNC Symbol;Acc:HGNC:2857]	chr11:4635	NM_00110	XM_01701	.	.	NP_00109	XP_005253	protein_co	ENSG0000	8525	2857
DGUOK	75.4724	78.1333	67.9193	92.3012	71.2968	72.0501	deoxyguanosine kinase [Source:HGNC Symbol;Acc:HGNC:2858]	chr2:74153	NM_00131	XM_01153	.	.	NP_00130	XP_011530	protein_co	ENSG0000	1716	2858
DHCR24	89.8564	90.0662	99.2621	114.771	109.401	101.263	24-dehydrocholesterol reductase [Source:HGNC Symbol;Acc:HGN	chr1:55315	NM_01476	.	.	.	NP_05557	.	protein_co	ENSG0000	1718	2859
DHCR7	48.3367	47.7641	60.706	59.4206	53.0384	48.1392	7-dehydrocholesterol reductase [Source:HGNC Symbol;Acc:HGNC	chr11:7114	NM_00116	XM_01154	.	.	NP_00115	XP_011543	protein_co	ENSG0000	1717	2860
DHDDS	21.8337	22.1312	20.6945	23.3624	17.3862	14.0011	dehydrodolichyl diphosphate synthase subunit [Source:HGNC Syr	chr1:26758	NM_00124	XM_01700	.	.	NP_00123	XP_006710	protein_co	ENSG0000	79947	20603
DHDH	5.09609	5.06076	5.37049	4.56046	3.47253	3.6569	dihydrodiol dehydrogenase [Source:HGNC Symbol;Acc:HGNC:178	chr19:4943	NM_01447	.	.	.	NP_05529	.	protein_co	ENSG0000	27294	17887
DHFR	25.996	24.3713	22.0175	26.2936	31.1017	24.272	dihydrofolate reductase [Source:HGNC Symbol;Acc:HGNC:2861]	chr5:79922	NM_00079	.	.	.	NP_00078	.	protein_co	ENSG0000	1719	2861
DHFRL1	1.95801	2.20968	1.63815	2.19113	2.02392	2.11411	dihydrofolate reductase 2 [Source:HGNC Symbol;Acc:HGNC:2730	chr3:93776	NM_00119	XM_01151	.	.	NP_00118	XP_011510	protein_co	ENSG0000	200895	27309
DHH	0.116487	0	0.098728	0.124093	0.137568	0.195971	desert hedgehog [Source:HGNC Symbol;Acc:HGNC:2865]	chr12:4948	NM_02104	.	.	.	NP_06638	.	protein_co	ENSG0000	50846	2865
DHODH	11.8875	10.9055	10.8458	12.209	9.54288	8.40013	dihydroorotate dehydrogenase (quinone) [Source:HGNC Symbol;	chr16:7204	NM_00136	XM_01702	.	.	NP_00135	XP_005255	protein_co	ENSG0000	1723	2867
DHPS	38.7247	42.1841	39.3417	40.6261	35.3445	30.6286	deoxyhypusine synthase [Source:HGNC Symbol;Acc:HGNC:2869]	chr19:1275	NM_00120	XM_01152	.	.	NP_00119	XP_011526	protein_co	ENSG0000	1725	2869
DHRS1	12.8899	12.7996	18.8351	12.0945	11.0501	11.9723	dehydrogenase/reductase 1 [Source:HGNC Symbol;Acc:HGNC:16	chr14:2475	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	115817	16445

DHRS11	10.1788	9.03749	8.78045	10.4091	9.69158	7.6911	dehydrogenase/reductase 11 [Source:HGNC Symbol;Acc:HGNC:2	chr17:3494	NM_02430	XM_01152	.	.	NP_07728	XP_005257	protein_co	ENSG0000	79154	28639
DHRS12	1.84245	1.55162	2.87074	1.46165	0.954996	2.0839	dehydrogenase/reductase 12 [Source:HGNC Symbol;Acc:HGNC:2	chr13:5234	NM_00103	XM_01153	.	.	NP_00102	XP_005266	protein_co	ENSG0000	79758	25832
DHRS13	11.7648	12.7846	8.64399	12.5608	10.0975	6.32609	dehydrogenase/reductase 13 [Source:HGNC Symbol;Acc:HGNC:2	chr17:2722	NM_14468	.	.	.	NP_65328	.	protein_co	ENSG0000	147015	28326
DHRS2	19.3948	19.8241	16.5528	25.2965	24.9188	11.2593	dehydrogenase/reductase 2 [Source:HGNC Symbol;Acc:HGNC:18	chr14:2410	NM_00579	XM_01153	.	XR_00175	NP_00578	XP_005267	protein_co	ENSG0000	10202	18349
DHRS3	6.56533	5.98164	22.1312	4.88903	4.12188	4.19677	dehydrogenase/reductase 3 [Source:HGNC Symbol;Acc:HGNC:17	chr1:12627	NM_00475	.	.	.	NP_00474	.	protein_co	ENSG0000	9249	17693
DHRS4	14.858	14.8968	12.9345	16.1203	14.9493	13.3065	dehydrogenase/reductase 4 [Source:HGNC Symbol;Acc:HGNC:16	chr14:2442	NM_00128	XM_00672	.	.	NP_00126	XP_006720	protein_co	ENSG0000	728635	16985
DHRS4-AS1	0.070095	0.075673	0	0	0.077222	0	DHRS4 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:23175]	chr14:2440	.	.	NR_02392	.	.	.	antisense	ENSG0000	55449	23175
DHRS4L2	11.7331	11.2719	13.1465	17.4473	14.0385	12.3652	dehydrogenase/reductase 4 like 2 [Source:HGNC Symbol;Acc:HG	chr14:2443	NM_00119	XM_01153	.	.	NP_00118	XP_011534	protein_co	ENSG0000	317749	19731
DHRS7	44.8357	43.0996	39.2916	45.9578	47.4036	46.8731	dehydrogenase/reductase 7 [Source:HGNC Symbol;Acc:HGNC:21	chr14:6055	NM_01602	.	.	.	NP_00130	XP_016876	protein_co	ENSG0000	51635	21524
DHRS7B	13.0519	12.098	12.5035	15.3507	12.1278	12.7335	dehydrogenase/reductase 7B [Source:HGNC Symbol;Acc:HGNC:2	chr17:2102	NM_01551	XM_00525	.	.	NP_05632	XP_005256	protein_co	ENSG0000	25979	24547
DHRS7C	0	0	0	0	0	0	dehydrogenase/reductase 7C [Source:HGNC Symbol;Acc:HGNC:3	chr17:9674	NM_00110	XM_00525	.	.	NP_00109	XP_005256	protein_co	ENSG0000	201140	32423
DHRS9	0.202887	0.217331	0.06259	0.152272	0.399701	0.153246	dehydrogenase/reductase 9 [Source:HGNC Symbol;Acc:HGNC:16	chr2:16992	NM_00114	XM_01151	.	.	NP_00113	XP_011508	protein_co	ENSG0000	10170	16888
DHRSX	1.70917	1.00991	1.21176	1.92143	1.26726	1.58789	dehydrogenase/reductase X-linked [Source:HGNC Symbol;Acc:HG	chrX:21375	NM_14517	.	.	.	NP_66016	.	protein_co	ENSG0000	207063	18399
DHTKD1	6.5284	6.13448	8.47203	6.98066	6.71709	8.2863	dehydrogenase E1 and transketolase domain containing 1 [Sourc	chr10:1211	NM_01870	.	.	.	NP_06117	.	protein_co	ENSG0000	55526	23537
DHX15	86.6322	85.463	88.717	97.938	108.376	101.775	DEAH-box helicase 15 [Source:HGNC Symbol;Acc:HGNC:2738]	chr4:24529	NM_00135	.	.	.	NP_00134	.	protein_co	ENSG0000	1665	2738
DHX16	25.0045	25.6084	24.2094	29.4311	24.9349	21.3332	DEAH-box helicase 16 [Source:HGNC Symbol;Acc:HGNC:2739]	chr6:30614	NM_00116	XM_01151	.	.	NP_00115	XP_011513	protein_co	ENSG0000	8449	2739
DHX29	11.9738	12.4633	10.7039	10.9726	14.0578	10.6764	DEAH-box helicase 29 [Source:HGNC Symbol;Acc:HGNC:15815]	chr5:54552	NM_01903	XM_01154	.	.	NP_06190	XP_006714	protein_co	ENSG0000	54505	15815
DHX30	47.4178	50.2115	44.3794	61.477	54.8741	42.6137	DEAH-box helicase 30 [Source:HGNC Symbol;Acc:HGNC:16716]	chr3:47844	NM_01496	XM_01700	NR_07507	.	NP_05578	XP_006713	protein_co	ENSG0000	22907	16716
DHX32	22.6716	22.2773	23.392	19.3484	21.6817	26.1481	DEAH-box helicase 32 (putative) [Source:HGNC Symbol;Acc:HGN	chr10:1279	NM_01818	XM_01701	.	.	NP_06065	XP_016871	protein_co	ENSG0000	55760	16717
DHX33	18.0747	18.5376	18.7796	18.9096	20.1563	16.7704	DEAH-box helicase 33 [Source:HGNC Symbol;Acc:HGNC:16718]	chr17:5344	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	56919	16718
DHX34	11.2535	12.3686	12.0179	12.1526	10.3857	7.63062	DEAH-box helicase 34 [Source:HGNC Symbol;Acc:HGNC:16719]	chr19:4785	NM_01468	XM_01152	.	.	NP_05549	XP_005259	protein_co	ENSG0000	9704	16719
DHX35	6.43529	7.40268	6.3255	7.03424	6.84075	5.29864	DEAH-box helicase 35 [Source:HGNC Symbol;Acc:HGNC:15861]	chr20:3759	NM_00119	XM_01152	.	.	NP_00117	XP_011527	protein_co	ENSG0000	60625	15861
DHX36	12.2451	12.2878	12.0691	10.1835	15.1529	14.4461	DEAH-box helicase 36 [Source:HGNC Symbol;Acc:HGNC:14410]	chr3:15399	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	170506	14410
DHX37	14.5532	15.305	15.6965	19.0775	17.7918	10.3057	DEAH-box helicase 37 [Source:HGNC Symbol;Acc:HGNC:17210]	chr12:1254	NM_03265	XM_01153	.	XR_00174	NP_11604	XP_005253	protein_co	ENSG0000	57647	17210
DHX38	17.5938	18.6398	15.8241	19.2079	19.3736	13.6444	DEAH-box helicase 38 [Source:HGNC Symbol;Acc:HGNC:17211]	chr16:7211	NM_01400	XM_01152	.	.	NP_05472	XP_005256	protein_co	ENSG0000	9785	17211
DHX40	28.343	26.3993	36.5034	22.9144	26.18	30.8949	DEAH-box helicase 40 [Source:HGNC Symbol;Acc:HGNC:18018]	chr17:5764	NM_00116	XM_01152	.	.	NP_00115	XP_006722	protein_co	ENSG0000	79665	18018
DHX57	8.36529	8.45142	8.00673	8.47093	9.34165	8.24043	DEAH-box helicase 57 [Source:HGNC Symbol;Acc:HGNC:20086]	chr2:39024	NM_19896	XM_01153	.	.	NP_94531	XP_011531	protein_co	ENSG0000	90957	20086
DHX58	1.21366	1.41935	0.213299	1.12211	0.898594	1.08867	DEXH-box helicase 58 [Source:HGNC Symbol;Acc:HGNC:29517]	chr17:4025	NM_02411	XM_01702	.	.	NP_07702	XP_016880	protein_co	ENSG0000	79132	29517
DHX8	14.1441	14.9621	13.8102	17.446	15.403	14.2036	DEAH-box helicase 8 [Source:HGNC Symbol;Acc:HGNC:2749]	chr17:4156	NM_00130	XM_00525	.	.	NP_00128	.	protein_co	ENSG0000	1659	2749
DHX9	112.818	114.057	90.1522	126.7	137.114	103.994	DEAH-box helicase 9 [Source:HGNC Symbol;Acc:HGNC:2750]	chr1:18280	NM_00135	.	.	.	NP_00134	.	protein_co	ENSG0000	1660	2750
DIABLO	44.6535	41.9142	38.166	45.4321	40.329	38.0982	diablo IAP-binding mitochondrial protein [Source:HGNC Symbol;A	chr12:1226	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	56616	21528
DIAPH1	46.3468	46.9846	41.6963	55.6691	52.9427	45.9379	diaphanous related formin 1 [Source:HGNC Symbol;Acc:HGNC:28	chr5:14089	NM_00107	XM_01153	.	.	NP_00107	XP_011535	protein_co	ENSG0000	1729	2876
DIAPH2	2.41396	1.85889	3.33852	2.51792	2.79319	3.59499	diaphanous related formin 2 [Source:HGNC Symbol;Acc:HGNC:28	chrX:95939	NM_00672	.	.	.	NP_00672	.	protein_co	ENSG0000	1730	2877
DIAPH3	7.45242	7.16335	6.41171	6.54978	8.58451	8.52445	diaphanous related formin 3 [Source:HGNC Symbol;Acc:HGNC:15	chr13:6023	NM_00104	XM_01153	.	.	NP_00103	XP_006719	protein_co	ENSG0000	81624	15480
DICER1	11.4537	11.9012	11.4292	9.64013	12.0336	11.3085	dicer 1, ribonuclease III [Source:HGNC Symbol;Acc:HGNC:17098]	chr14:9555	NM_00119	XM_01702	.	.	NP_00118	XP_011534	protein_co	ENSG0000	23405	17098
DIDO1	19.088	21.1667	17.1677	19.9498	19.5972	15.6789	death inducer-obliterator 1 [Source:HGNC Symbol;Acc:HGNC:268	chr20:6150	NM_00119	XM_01152	.	.	NP_00118	XP_011526	protein_co	ENSG0000	11083	2680
DIEXF	7.59965	7.74276	7.66785	6.87767	6.35097	5.75021	digestive organ expansion factor homolog (zebrafish) [Source:HG	chr1:21000	NM_01438	XM_01150	.	.	NP_05520	XP_011507	protein_co	ENSG0000	27042	28440
DIMT1	26.9629	26.6774	26.2315	22.4147	26.0958	18.9011	DIM1 dimethyladenosine transferase 1 homolog [Source:HGNC S	chr5:61683	NM_01447	XM_01154	.	.	NP_05528	XP_011541	protein_co	ENSG0000	27292	30217
DIO1	0.15809	0.048104	0	0	0.05074	0	deiodinase, iodothyronine type I [Source:HGNC Symbol;Acc:HGN	chr1:54359	NM_00079	.	.	.	NP_00078	.	protein_co	ENSG0000	1733	2883
DIO2	0.012953	0.201965	0	0	0.014347	0	deiodinase, iodothyronine, type II [Source:HGNC Symbol;Acc:HG	chr14:8066	NM_00079	.	.	.	NP_00078	.	protein_co	ENSG0000	1734	2884
DIO3	0.512823	0.551874	0.599076	0.453548	0.864622	0.356471	deiodinase, iodothyronine, type III [Source:HGNC Symbol;Acc:HG	chr14:1020	NM_00136	.	.	.	NP_00135	.	protein_co	ENSG0000	1735	2885
DIP2A	7.09498	7.76535	7.84343	6.02007	5.98974	6.37034	disco interacting protein 2 homolog A [Source:HGNC Symbol;Acc	chr21:4787	NM_00114	XM_01152	.	.	NP_00113	XP_011527	protein_co	ENSG0000	23181	17217
DIP2B	10.8155	11.3671	12.9246	10.5612	11.9574	11.9756	disco interacting protein 2 homolog B [Source:HGNC Symbol;Acc	chr12:5089	NM_17360	XM_01701	.	.	NP_77587	XP_005269	protein_co	ENSG0000	57609	29284
DIP2C	5.02598	5.14565	4.65946	4.84059	5.04356	4.51596	disco interacting protein 2 homolog C [Source:HGNC Symbol;Acc	chr10:3201	NM_01497	XM_01151	.	.	NP_05578	XP_005252	protein_co	ENSG0000	22982	29150
DIRAS1	16.6498	16.9192	17.2504	21.3708	20.1367	17.9697	DIRAS family GTPase 1 [Source:HGNC Symbol;Acc:HGNC:19127]	chr19:2714	NM_14517	XM_01152	.	.	NP_66015	XP_011526	protein_co	ENSG0000	148252	19127
DIRAS2	0.019326	0	0	0.086085	0.065352	0.039357	DIRAS family GTPase 2 [Source:HGNC Symbol;Acc:HGNC:19323]	chr9:93372	NM_01759	.	.	.	NP_06006	.	protein_co	ENSG0000	54769	19323
DIRAS3	0.676497	0.993616	1.53288	1.55313	1.37757	2.14084	DIRAS family GTPase 3 [Source:HGNC Symbol;Acc:HGNC:687]	chr1:68511	NM_00467	XM_00671	.	.	NP_00446	XP_016858	protein_co	ENSG0000	9077	687
DIRC1	0	0	0	0	0	0	disrupted in renal carcinoma 1 [Source:HGNC Symbol;Acc:HGNC:	chr2:18959	NM_05295	XM_01151	.	.	NP_44318	XP_011508	protein_co	ENSG0000	116093	15760
DIRC2	5.89227	5.06166	5.28571	4.93241	5.95905	7.60874	disrupted in renal carcinoma 2 [Source:HGNC Symbol;Acc:HGNC:	chr3:12251	NM_03283	.	.	.	NP_11622	.	protein_co	ENSG0000	84925	16628
DIRC3	0	0.369408	0	0	0	0	disrupted in renal carcinoma 3 [Source:HGNC Symbol;Acc:HGNC:	chr2:21856	.	.	.	.	.	.	protein_co	ENSG0000	.	17805
DIS3	22.8334	20.5914	25.0539	20.5381	26.1365	26.4742	DIS3 homolog, exosome endoribonuclease and 3'-5' exoribonucle	chr13:7330	NM_00112	XM_00671	.	.	NP_00112	XP_005266	protein_co	ENSG0000	22894	20604
DIS3L	10.2777	10.4523	9.08251	10.466	10.8233	9.63795	DIS3 like exosome 3'-5' exoribonuclease [Source:HGNC Symbol;A	chr15:6658	NM_00114	XM_00525	.	.	NP_00113	XP_005254	protein_co	ENSG0000	115752	28698
DIS3L2	11.7286	10.2649	9.60118	11.0065	9.35055	8.84461	DIS3 like 3'-5' exoribonuclease 2 [Source:HGNC Symbol;Acc:HGN	chr2:23282	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	129563	28648
DISC1	0.405809	0.330476	0.745615	0.608174	0.636832	0.535964	disrupted in schizophrenia 1 [Source:HGNC Symbol;Acc:HGNC:28	chr1:23176	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	27185	2888
DISP1	2.44488	2.52609	2.44624	1.81688	1.67717	2.32762	dispatched RND transporter family member 1 [Source:HGNC Sym	chr1:22310	NM_03289	XM_01151	.	.	NP_11627	XP_005273	protein_co	ENSG0000	84976	19711
DISP2	0.760932	1.03296	1.03182	0.592544	0.58143	0.554855	dispatched RND transporter family member 2 [Source:HGNC Sym	chr15:4065	NM_03351	XM_01152	.	.	NP_27704	XP_011520	protein_co	ENSG0000	85455	19712
DISP3	0.697198	0.416857	0.569795	0.719148	1.17724	0.887548	dispatched RND transporter family member 3 [Source:HGNC Sym	chr1:11539	NM_02078	XM_01154	.	.	NP_06583	XP_011540	protein_co	ENSG0000	57540	29251
DIXDC1	2.6118	2.79514	3.02937	2.07527	2.58719	2.01852	DIX domain containing 1 [Source:HGNC Symbol;Acc:HGNC:23695	chr11:1117	NM_00103	XM_01701	.	.	NP_00103	XP_016873	protein_co	ENSG0000	85458	23695
DKC1	78.0609	81.1346	64.7272	90.085	88.128	73.3431	dyskerin pseudouridine synthase 1 [Source:HGNC Symbol;Acc:HG	chrX:15399	NM_00114	.	NR_04984	.	NP_00113	.	protein_co	ENSG0000	100847052	2890

DKK1	130.424	126.363	112.724	184.815	171.494	63.1772	dickkopf WNT signaling pathway inhibitor 1 [Source:HGNC Symbo	chr10:5407	NM_01224	.	.	.	NP_03637	.	protein_co	ENSG0000	22943	2891
DKK2	0	0	0	0	0	0	dickkopf WNT signaling pathway inhibitor 2 [Source:HGNC Symbo	chr4:10784	NM_01442	.	.	.	NP_05523	.	protein_co	ENSG0000	27123	2892
DKK3	0.116241	0.11798	0.200704	0.196828	0.133268	0.061319	dickkopf WNT signaling pathway inhibitor 3 [Source:HGNC Symbo	chr11:1198	NM_00101	XM_00671	.	.	NP_00101	XP_00671	protein_co	ENSG0000	27122	2893
DKK4	0	0	0	0.090504	0	0.087748	dickkopf WNT signaling pathway inhibitor 4 [Source:HGNC Symbo	chr8:42231	NM_01442	XM_01154	.	.	NP_05523	XP_01154	protein_co	ENSG0000	27121	2894
DKKL1	0.379262	1.03866	0.684282	0.192299	0.628071	0.73295	dickkopf like acrosomal protein 1 [Source:HGNC Symbol;Acc:HGN	chr19:4983	NM_00119	XM_01152	.	.	NP_00118	XP_00672	protein_co	ENSG0000	27120	16528
DLAT	21.7669	23.4714	23.8204	28.3751	28.0754	24.5464	dihydrolipoamide S-acetyltransferase [Source:HGNC Symbol;Acc:	chr11:1118	NM_00193	XM_01154	.	.	NP_00192	XP_01154	protein_co	ENSG0000	1737	2896
DLC1	0.009292	0.016446	0.032526	0	0	0	DLC1 Rho GTPase activating protein [Source:HGNC Symbol;Acc:H	chr8:12940	NM_00116	XM_01701	.	.	NP_00115	XP_00527	protein_co	ENSG0000	10395	2897
DLD	59.5597	54.938	64.3457	58.2064	61.3075	66.5785	dihydrolipoamide dehydrogenase [Source:HGNC Symbol;Acc:HGN	chr7:10753	NM_0001	.	.	.	NP_00009	.	protein_co	ENSG0000	1738	2898
DLEC1	0	0.024955	0.027613	0.069598	0.024441	0.013209	deleted in lung and esophageal cancer 1 [Source:HGNC Symbol;A	chr3:38080	NM_00733	XM_01153	.	.	NP_00130	XP_00671	protein_co	ENSG0000	9940	2899
DLEU1	18.6173	16.4501	13.4246	20.738	19.1279	15.03	deleted in lymphocytic leukemia 1 [Source:HGNC Symbol;Acc:HG	chr13:5065	.	.	.	.	.	.	protein_co	ENSG0000	.	13747
DLEU7	0	0	0.081091	0	0	0	deleted in lymphocytic leukemia, 7 [Source:HGNC Symbol;Acc:HG	chr13:5128	NM_00130	XM_00526	.	.	NP_00129	XP_00526	protein_co	ENSG0000	220107	17567
DLG1	11.7368	11.2741	14.9227	10.9454	13.6304	16.5885	discs large MAGUK scaffold protein 1 [Source:HGNC Symbol;Acc:	chr3:19676	NM_00109	XM_01700	.	.	NP_00109	XP_00526	protein_co	ENSG0000	1739	2900
DLG2	0	0.012973	0.02151	0	0	0.024581	discs large MAGUK scaffold protein 2 [Source:HGNC Symbol;Acc:	chr11:8316	NM_00114	XM_01701	.	.	NP_00113	XP_00527	protein_co	ENSG0000	1740	2901
DLG3	17.5609	17.4048	16.7398	19.5898	18.6499	22.2856	discs large MAGUK scaffold protein 3 [Source:HGNC Symbol;Acc:	chrX:69664	NM_00116	XM_01153	.	.	NP_00115	XP_00526	protein_co	ENSG0000	1741	2902
DLG4	2.52157	2.70894	3.15633	1.6965	1.57064	1.39175	discs large MAGUK scaffold protein 4 [Source:HGNC Symbol;Acc:	chr17:7093	NM_00112	XM_01702	.	.	NP_00112	XP_00525	protein_co	ENSG0000	1742	2903
DLG5	15.9782	17.9088	17.9684	16.2031	17.1598	13.9566	discs large MAGUK scaffold protein 5 [Source:HGNC Symbol;Acc:	chr10:7955	NM_00474	XM_01701	.	.	NP_00473	XP_00527	protein_co	ENSG0000	9231	2904
DLGAP1	0.030449	0.016068	0.183097	0.138095	0.190381	0.336714	DLG associated protein 1 [Source:HGNC Symbol;Acc:HGNC:2905]	chr18:3496	NM_00100	XM_01702	.	.	NP_00100	XP_00525	protein_co	ENSG0000	9229	2905
DLGAP2	0.016664	0.017101	0.007186	0.018481	0.028288	0.01724	DLG associated protein 2 [Source:HGNC Symbol;Acc:HGNC:2906]	chr8:68759	NM_00127	.	NR_07339	.	NP_00126	.	protein_co	ENSG0000	619343	2906
DLGAP3	0.02633	0.025216	0	0.027679	0	0.030139	DLG associated protein 3 [Source:HGNC Symbol;Acc:HGNC:30368	chr1:35331	NM_00108	XM_01154	.	.	NP_00107	XP_00527	protein_co	ENSG0000	58512	30368
DLGAP4	17.3538	16.3016	17.1981	17.027	16.8172	18.3455	DLG associated protein 4 [Source:HGNC Symbol;Acc:HGNC:24476	chr20:3489	NM_00104	XM_01152	.	.	NP_00103	XP_00526	protein_co	ENSG0000	22839	24476
DLGAP5	21.9659	19.6257	21.7702	35.7027	45.1294	38.7882	DLG associated protein 5 [Source:HGNC Symbol;Acc:HGNC:16864	chr14:5561	NM_00114	XM_01702	.	.	NP_00113	XP_01153	protein_co	ENSG0000	9787	16864
DLK1	0	0	0	0	0	0.086045	delta like non-canonical Notch ligand 1 [Source:HGNC Symbol;Ac	chr14:1011	NM_00383	.	.	.	NP_00130	.	protein_co	ENSG0000	8788	2907
DLK2	0.927131	1.49602	0.952175	0.775186	0.776342	0.516136	delta like non-canonical Notch ligand 2 [Source:HGNC Symbol;Ac	chr6:43395	NM_00128	XM_01151	.	.	NP_00127	XP_00524	protein_co	ENSG0000	65989	21113
DLL1	2.23526	2.73312	2.17611	2.64312	1.93849	1.64885	delta like canonical Notch ligand 1 [Source:HGNC Symbol;Acc:HG	chr6:17059	NM_00561	XM_01153	.	.	NP_00560	XP_00526	protein_co	ENSG0000	28514	2908
DLL3	0.206912	0	0	0.073334	0	0	delta like canonical Notch ligand 3 [Source:HGNC Symbol;Acc:HG	chr19:3998	NM_01694	.	.	.	NP_05863	.	protein_co	ENSG0000	10683	2909
DLL4	0.867297	0.682082	0.983687	0.630839	0.742686	1.56302	delta like canonical Notch ligand 4 [Source:HGNC Symbol;Acc:HG	chr15:4122	NM_01907	.	.	.	NP_06194	.	protein_co	ENSG0000	54567	2910
DLST	56.3627	53.794	55.2936	63.1666	57.7732	53.7534	dihydrolipoamide S-succinyltransferase [Source:HGNC Symbol;Ac	chr14:7534	NM_00193	.	.	.	NP_00192	.	protein_co	ENSG0000	1743	2911
DLX1	1.78091	1.95632	1.6495	1.56886	1.08511	1.44883	distal-less homeobox 1 [Source:HGNC Symbol;Acc:HGNC:2914]	chr2:17294	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	1745	2914
DLX2	1.3925	1.56255	1.97783	1.71871	1.61136	2.25034	distal-less homeobox 2 [Source:HGNC Symbol;Acc:HGNC:2915]	chr2:17296	NM_0044	.	.	.	NP_00439	.	protein_co	ENSG0000	1746	2915
DLX3	0.096857	0.129722	0.027886	0.280386	0.222496	0.173661	distal-less homeobox 3 [Source:HGNC Symbol;Acc:HGNC:2916]	chr17:4806	NM_00522	.	.	.	NP_00521	.	protein_co	ENSG0000	1747	2916
DLX4	6.28846	6.40855	9.66457	6.41398	6.56633	7.29058	distal-less homeobox 4 [Source:HGNC Symbol;Acc:HGNC:2917]	chr17:4804	NM_00193	XM_01152	.	.	NP_00192	XP_01152	protein_co	ENSG0000	1748	2917
DLX5	0	0	0	0	0	0	distal-less homeobox 5 [Source:HGNC Symbol;Acc:HGNC:2918]	chr7:96649	NM_00522	.	.	.	NP_00521	.	protein_co	ENSG0000	1749	2918
DLX6	0	0	0	0	0.04465	0	distal-less homeobox 6 [Source:HGNC Symbol;Acc:HGNC:2919]	chr7:96634	NM_00522	.	.	.	NP_00521	.	protein_co	ENSG0000	1750	2919
DMAP1	11.1922	11.3459	11.4571	15.5211	11.263	10.1432	DNA methyltransferase 1 associated protein 1 [Source:HGNC Sym	chr1:44679	NM_00103	XM_01154	.	.	NP_00102	XP_00527	protein_co	ENSG0000	55929	18291
DMBT1	0.035588	0.03619	0.068303	0.037156	0.064721	0.167041	deleted in malignant brain tumors 1 [Source:HGNC Symbol;Acc:H	chr10:1243	NM_00132	XM_01153	.	.	NP_00130	XP_00671	protein_co	ENSG0000	1755	2926
DMBX1	2.02684	2.68649	2.85507	2.45213	3.70272	2.96651	diencephalon/mesencephalon homeobox 1 [Source:HGNC Symbo	chr1:46972	NM_14719	XM_01700	.	.	NP_67172	XP_01153	protein_co	ENSG0000	127343	19026
DMC1	0.058606	0.197454	0.118294	0.384143	0.163315	0.264193	DNA meiotic recombinase 1 [Source:HGNC Symbol;Acc:HGNC:29	chr22:3891	NM_00127	XM_01152	NR_10347	.	NP_00126	XP_00672	protein_co	ENSG0000	11144	2927
DMD	0	0	0	0.004952	0	0	dystrophin [Source:HGNC Symbol;Acc:HGNC:2928]	chrX:31137	NM_0001	XM_01154	.	.	NP_00010	XP_00672	protein_co	ENSG0000	1756	2928
DMGDH	0.410682	0.570952	0.301278	0.390058	0.265295	0.623416	dimethylglycine dehydrogenase [Source:HGNC Symbol;Acc:HGNC	chr5:78293	NM_01339	XM_01154	.	.	NP_03752	XP_00671	protein_co	ENSG0000	29958	24475
DMKN	163.351	140.476	128.91	170.5	130.935	103.237	dermokine [Source:HGNC Symbol;Acc:HGNC:25063]	chr19:3598	NM_00103	XM_01702	.	.	NP_00103	XP_00672	protein_co	ENSG0000	93099	25063
DMP1	0.018604	0.038462	0.016494	0	0	0	dentin matrix acidic phosphoprotein 1 [Source:HGNC Symbol;Acc	chr4:88571	NM_00107	.	.	.	NP_00107	XP_01153	protein_co	ENSG0000	1758	2932
DMPK	11.8045	12.6083	14.1844	10.2822	9.5451	11.9897	dystrophia myotonica protein kinase [Source:HGNC Symbol;Acc:H	chr19:4627	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	1760	2933
DMRT1	2.37715	2.39837	1.56213	4.21666	4.60323	2.53633	doublesex and mab-3 related transcription factor 1 [Source:HGN	chr9:84168	NM_02195	XM_01151	.	.	NP_06877	XP_00671	protein_co	ENSG0000	1761	2934
DMRT2	0	0	0	0	0.055277	0.046803	doublesex and mab-3 related transcription factor 2 [Source:HGN	chr9:10498	NM_00113	XM_01151	.	.	NP_00112	XP_00671	protein_co	ENSG0000	10655	2935
DMRT3	0.083272	0	0	0.091931	0	0	doublesex and mab-3 related transcription factor 3 [Source:HGN	chr9:97696	NM_02124	.	.	.	NP_06706	.	protein_co	ENSG0000	58524	13909
DMRTA1	0.017409	0	0	0.020045	0.019165	0.016727	DMRT like family A1 [Source:HGNC Symbol;Acc:HGNC:13826]	chr9:22446	NM_02216	.	.	.	NP_07144	.	protein_co	ENSG0000	63951	13826
DMRTA2	0	0	0.044217	0	0	0.057097	DMRT like family A2 [Source:HGNC Symbol;Acc:HGNC:13908]	chr1:50883	NM_03211	XM_01154	.	.	NP_11548	XP_01154	protein_co	ENSG0000	63950	13908
DMRTB1	0	0	0	0	0	0	DMRT like family B with proline rich C-terminal 1 [Source:HGNC S	chr1:53925	NM_03306	.	.	.	NP_14905	.	protein_co	ENSG0000	63948	13913
DMRTC1	0	0	0	0	0	0	DMRT like family C1 [Source:HGNC Symbol;Acc:HGNC:13910]	chrX:72091	NM_03305	XM_00526	.	.	NP_14904	XP_00526	protein_co	ENSG0000	63947	13910
DMRTC1B	0	0	0	0	0	0	DMRT like family C1B [Source:HGNC Symbol;Acc:HGNC:31686]	chrX:71996	NM_00108	XM_01702	.	.	NP_00107	XP_00672	protein_co	ENSG0000	728656	31686
DMRTC2	0	0	0	0	0	0	DMRT like family C2 [Source:HGNC Symbol;Acc:HGNC:13911]	chr19:4234	NM_00104	XM_01702	.	.	NP_00103	XP_00525	protein_co	ENSG0000	63946	13911
DMTF1	12.9389	11.0121	14.44	9.12589	12.8684	18.9366	cyclin D binding myb like transcription factor 1 [Source:HGNC Syn	chr7:86781	NM_00114	XM_01701	.	.	NP_00113	XP_00525	protein_co	ENSG0000	9988	14603
DMTN	18.8024	21.0187	21.1219	20.3025	17.6444	17.7789	dematin actin binding protein [Source:HGNC Symbol;Acc:HGNC:3	chr8:21911	NM_00111	XM_01701	.	.	NP_00110	XP_00527	protein_co	ENSG0000	2039	3382
DMWD	8.41186	8.81743	9.80242	8.41138	7.65613	9.59885	dystrophia myotonica, WD repeat containing [Source:HGNC Sym	chr19:4628	NM_00494	.	.	.	NP_00493	.	protein_co	ENSG0000	1762	2936
DMXL1	3.30779	3.04078	4.01498	2.40679	3.2783	4.49342	Dmx like 1 [Source:HGNC Symbol;Acc:HGNC:2937]	chr5:11840	NM_00129	XM_01700	.	.	NP_00127	XP_00527	protein_co	ENSG0000	1657	2937
DMXL2	3.84887	4.22744	4.87775	2.83424	3.82543	4.446	Dmx like 2 [Source:HGNC Symbol;Acc:HGNC:2938]	chr15:5173	NM_00117	XM_00525	.	.	NP_00116	XP_00525	protein_co	ENSG0000	23312	2938
DNA2	5.16965	4.53302	4.3378	5.32714	6.48956	5.92286	DNA replication helicase/nuclease 2 [Source:HGNC Symbol;Acc:H	chr10:7017	NM_00108	XM_00671	.	.	NP_00107	XP_00671	protein_co	ENSG0000	1763	2939
DNAAF1	0.091956	0.046409	0.020103	0.025073	0	0.04902	dynein axonemal assembly factor 1 [Source:HGNC Symbol;Acc:HG	chr16:8417	NM_17845	XM_01152	.	.	NP_84854	XP_00672	protein_co	ENSG0000	123872	30539
DNAAF2	11.908	12.0472	12.8705	14.1926	16.4902	16.2462	dynein axonemal assembly factor 2 [Source:HGNC Symbol;Acc:HG	chr14:5000	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	55172	20188

DNAAF3	28.9855	27.0314	21.4041	33.3503	27.1888	14.7594	dynein axonemal assembly factor 3 [Source:HGNC Symbol;Acc:H	chr19:5567	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	352909	30492
DNAAF5	31.2229	31.1212	32.1064	39.4192	36.4377	32.3276	dynein axonemal assembly factor 5 [Source:HGNC Symbol;Acc:H	chr7:58883	NM_01780	.	.	.	NP_06027	.	protein_co	ENSG0000	54919	26013
DNAH1	0.553317	0.536059	0.68465	0.399512	0.454238	0.677228	dynein axonemal heavy chain 1 [Source:HGNC Symbol;Acc:HGNC	chr3:52350	NM_01551	XM_01153	.	.	NP_05632	XP_016861	protein_co	ENSG0000	25981	2940
DNAH10	0.308161	0.322104	0.313423	0.316814	0.242399	0.37262	dynein axonemal heavy chain 10 [Source:HGNC Symbol;Acc:HGN	chr12:1242	NM_20743	XM_01153	.	.	NP_99732	XP_005253	protein_co	ENSG0000	196385	2941
DNAH10OS	0.162738	0.220996	0.305817	0.296502	0.154558	0.445687	dynein axonemal heavy chain 10 opposite strand [Source:HGNC S	chr12:1242	.	.	.	.	.	.	protein_co	ENSG0000	.	37121
DNAH11	0.017979	0.009757	0.019733	0.005076	0.005014	0	dynein axonemal heavy chain 11 [Source:HGNC Symbol;Acc:HGN	chr7:21582	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	8701	2942
DNAH12	0.01496	0.016404	0.119358	0	0.008392	0.014452	dynein axonemal heavy chain 12 [Source:HGNC Symbol;Acc:HGN	chr3:57327	NM_00129	XM_01700	.	.	NP_00127	XP_011531	protein_co	ENSG0000	201625	2943
DNAH14	3.28198	3.6127	3.93841	2.59957	4.29784	5.5297	dynein axonemal heavy chain 14 [Source:HGNC Symbol;Acc:HGN	chr1:22508	NM_00114	XM_01154	.	.	NP_00113	XP_006711	protein_co	ENSG0000	127602	2945
DNAH17	0.146385	0.180446	0.116113	0.054491	0.077075	0.130889	dynein axonemal heavy chain 17 [Source:HGNC Symbol;Acc:HGN	chr17:7637	NM_17362	XM_01152	.	.	NP_77589	XP_011523	protein_co	ENSG0000	8632	2946
DNAH2	0.19279	0.136443	0.221501	0.51353	0.396117	0.516127	dynein axonemal heavy chain 2 [Source:HGNC Symbol;Acc:HGNC	chr17:7620	NM_00130	XM_01152	.	.	NP_00129	XP_011521	protein_co	ENSG0000	146754	2948
DNAH3	0.071581	0.054358	0.037388	0.116516	0.124206	0.024641	dynein axonemal heavy chain 3 [Source:HGNC Symbol;Acc:HGNC	chr16:2094	NM_01753	XM_01154	.	.	NP_06000	XP_006721	protein_co	ENSG0000	55567	2949
DNAH5	0.118277	0.098116	0.095587	0.03339	0.023604	0.046328	dynein axonemal heavy chain 5 [Source:HGNC Symbol;Acc:HGNC	chr5:13690	NM_00136	XM_01700	.	.	NP_00136	XP_005248	protein_co	ENSG0000	1767	2950
DNAH6	0.272006	0.234074	0.474793	0.190748	0.165637	0.329289	dynein axonemal heavy chain 6 [Source:HGNC Symbol;Acc:HGNC	chr2:84743	NM_00137	XM_01700	.	.	NP_00136	XP_006712	protein_co	ENSG0000	1768	2951
DNAH7	0	0	0	0	0	0	dynein axonemal heavy chain 7 [Source:HGNC Symbol;Acc:HGNC	chr2:19660	NM_01889	XM_01151	.	.	NP_06172	XP_011509	protein_co	ENSG0000	56171	18661
DNAH8	0	0.005568	0	0	0	0.005032	dynein axonemal heavy chain 8 [Source:HGNC Symbol;Acc:HGNC	chr6:38683	NM_00120	XM_01701	.	.	NP_00119	XP_011512	protein_co	ENSG0000	1769	2952
DNAH9	0	0.040237	0	0	0.022359	0.082668	dynein axonemal heavy chain 9 [Source:HGNC Symbol;Acc:HGNC	chr17:1150	NM_00137	XM_01152	.	.	NP_00136	XP_011522	protein_co	ENSG0000	1770	2953
DNAI1	0.155709	0.250527	0.195172	0.072176	0.126995	0.140964	dynein axonemal intermediate chain 1 [Source:HGNC Symbol;Acc	chr9:34458	NM_00128	XM_01151	.	.	NP_00126	XP_011516	protein_co	ENSG0000	27019	2954
DNAI2	0	0	0	0	0	0	dynein axonemal intermediate chain 2 [Source:HGNC Symbol;Acc	chr17:7227	NM_00117	XM_01152	.	.	NP_00116	XP_011523	protein_co	ENSG0000	64446	18744
DNAJA1	157.907	153.252	113.39	214.097	195.448	115.198	DnaJ heat shock protein family (Hsp40) member A1 [Source:HGN	chr9:33025	NM_00153	.	.	.	NP_00153	.	protein_co	ENSG0000	3301	5229
DNAJA2	36.2623	37.3012	35.6675	43.0885	44.0011	36.351	DnaJ heat shock protein family (Hsp40) member A2 [Source:HGN	chr16:4698	NM_00588	.	.	.	NP_00587	.	protein_co	ENSG0000	10294	14884
DNAJA3	49.645	49.9709	45.4279	53.6033	46.935	47.0789	DnaJ heat shock protein family (Hsp40) member A3 [Source:HGN	chr16:4475	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	9093	11808
DNAJA4	40.0481	38.1209	38.7601	42.0203	52.9829	28.9006	DnaJ heat shock protein family (Hsp40) member A4 [Source:HGN	chr15:7855	NM_00113	XM_00672	.	.	NP_00112	XP_005254	protein_co	ENSG0000	55466	14885
DNAJB1	116.743	112.642	103.865	164.241	151.782	89.0141	DnaJ heat shock protein family (Hsp40) member B1 [Source:HGN	chr19:1462	NM_00130	XM_01152	.	.	NP_00128	XP_006722	protein_co	ENSG0000	3337	5270
DNAJB11	110.689	106.647	51.4858	119.391	103.13	79.0118	DnaJ heat shock protein family (Hsp40) member B11 [Source:HG	chr3:18625	NM_01630	.	.	.	NP_05739	.	protein_co	ENSG0000	51726	14889
DNAJB12	9.14322	10.073	7.58275	9.14377	8.88258	8.49465	DnaJ heat shock protein family (Hsp40) member B12 [Source:HG	chr10:7409	NM_00100	XM_00526	.	.	NP_00100	XP_005269	protein_co	ENSG0000	54788	14891
DNAJB13	0.076277	0.111247	0.034191	0	0	0.037734	DnaJ heat shock protein family (Hsp40) member B13 [Source:HG	chr11:7366	NM_15361	XM_00527	.	.	NP_70584	XP_005274	protein_co	ENSG0000	374407	30718
DNAJB14	10.0951	9.61569	10.0662	11.1968	12.2684	12.4573	DnaJ heat shock protein family (Hsp40) member B14 [Source:HG	chr4:10081	NM_00103	XM_01153	.	.	NP_00102	.	protein_co	ENSG0000	79982	25881
DNAJB2	19.9858	20.9731	18.1065	14.2391	14.2982	11.1852	DnaJ heat shock protein family (Hsp40) member B2 [Source:HGN	chr2:22014	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	3300	5228
DNAJB4	12.9787	12.4077	8.89157	10.1915	12.7715	10.3829	DnaJ heat shock protein family (Hsp40) member B4 [Source:HGN	chr1:78470	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	11080	14886
DNAJB5	3.97985	4.448	4.02326	4.91028	4.13995	3.1177	DnaJ heat shock protein family (Hsp40) member B5 [Source:HGN	chr9:34989	NM_00113	XM_01151	.	.	NP_00112	XP_005251	protein_co	ENSG0000	25822	14887
DNAJB6	49.4104	47.6078	46.0242	60.8176	58.8073	54.6221	DnaJ heat shock protein family (Hsp40) member B6 [Source:HGN	chr7:15712	NM_00549	XM_01151	.	.	NP_00548	XP_005249	protein_co	ENSG0000	10049	14888
DNAJB7	0	0	0	0	0	0	DnaJ heat shock protein family (Hsp40) member B7 [Source:HGN	chr22:4125	NM_14517	.	.	.	NP_66015	.	protein_co	ENSG0000	150353	24986
DNAJB8	0	0	0	0	0	0.034541	DnaJ heat shock protein family (Hsp40) member B8 [Source:HGN	chr3:12818	NM_15333	XM_00671	.	.	NP_69916	XP_006713	protein_co	ENSG0000	165721	23699
DNAJB9	10.8278	9.87342	5.67476	6.38037	7.84544	8.56838	DnaJ heat shock protein family (Hsp40) member B9 [Source:HGN	chr7:10820	NM_01232	.	.	.	NP_03646	.	protein_co	ENSG0000	4189	6968
DNAJC1	8.43306	8.82333	8.14319	9.6216	9.8211	11.5891	DnaJ heat shock protein family (Hsp40) member C1 [Source:HGN	chr10:2204	NM_02236	.	.	.	NP_07176	.	protein_co	ENSG0000	64215	20090
DNAJC10	42.7166	36.9272	47.5716	28.0166	40.3391	33.832	DnaJ heat shock protein family (Hsp40) member C10 [Source:HG	chr2:18358	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	54431	24637
DNAJC11	29.5833	31.4073	28.9722	36.4139	33.3827	24.4665	DnaJ heat shock protein family (Hsp40) member C11 [Source:HG	chr1:66849	NM_01819	.	.	.	NP_06066	.	protein_co	ENSG0000	55735	25570
DNAJC12	4.4418	4.03075	3.89301	2.2567	3.35298	2.57467	DnaJ heat shock protein family (Hsp40) member C12 [Source:HG	chr10:6955	NM_02180	XM_01153	.	.	NP_06857	.	protein_co	ENSG0000	56521	28908
DNAJC13	8.94487	8.44833	9.0332	7.07438	9.96471	10.1299	DnaJ heat shock protein family (Hsp40) member C13 [Source:HG	chr3:13213	NM_00132	XM_00524	.	.	NP_00131	.	protein_co	ENSG0000	23317	30343
DNAJC14	27.5294	27.9605	28.3595	25.5969	25.2809	24.0244	DnaJ heat shock protein family (Hsp40) member C14 [Source:HG	chr12:5613	NM_03236	.	.	.	NP_11574	.	protein_co	ENSG0000	85406	24581
DNAJC15	3.30428	2.97347	2.77872	4.02472	3.6515	3.74141	DnaJ heat shock protein family (Hsp40) member C15 [Source:HG	chr13:4359	NM_01323	.	.	.	NP_03737	.	protein_co	ENSG0000	29103	20325
DNAJC16	9.62262	9.65642	10.131	8.2128	9.60954	8.92115	DnaJ heat shock protein family (Hsp40) member C16 [Source:HG	chr1:15853	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	23341	29157
DNAJC17	13.5003	11.0449	9.53026	13.4059	12.1822	6.16497	DnaJ heat shock protein family (Hsp40) member C17 [Source:HG	chr15:4105	NM_01816	XM_00525	.	.	NP_06063	XP_016877	protein_co	ENSG0000	55192	25556
DNAJC18	1.5502	1.88634	2.20152	1.32953	1.5998	1.78324	DnaJ heat shock protein family (Hsp40) member C18 [Source:HG	chr5:13874	NM_15268	.	.	.	NP_68989	.	protein_co	ENSG0000	202052	28429
DNAJC19	23.8103	21.9302	24.4175	19.973	20.431	20.6839	DnaJ heat shock protein family (Hsp40) member C19 [Source:HG	chr3:18070	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	131118	30528
DNAJC2	24.1055	23.8259	20.4301	24.9297	27.6283	18.9552	DnaJ heat shock protein family (Hsp40) member C2 [Source:HGN	chr7:10293	NM_00112	XM_01151	.	.	NP_00112	XP_005250	protein_co	ENSG0000	27000	13192
DNAJC21	15.6091	13.7131	13.3908	15.7126	14.0437	15.2029	DnaJ heat shock protein family (Hsp40) member C21 [Source:HG	chr5:34929	NM_00101	XM_01151	.	.	NP_00101	XP_005248	protein_co	ENSG0000	134218	27030
DNAJC22	12.6616	12.0786	17.3368	15.8485	15.8574	17.5462	DnaJ heat shock protein family (Hsp40) member C22 [Source:HG	chr12:4974	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	79962	25802
DNAJC24	8.12871	8.3143	8.9789	9.70926	10.1938	8.09589	DnaJ heat shock protein family (Hsp40) member C24 [Source:HG	chr11:3139	NM_18170	.	.	.	NP_85905	.	protein_co	ENSG0000	120526	26979
DNAJC25	6.54157	6.29447	5.72888	6.89465	7.55332	5.80057	DnaJ heat shock protein family (Hsp40) member C25 [Source:HG	chr9:11439	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	548645	34187
DNAJC25-GNG10	4.11982	3.37433	4.32933	4.40922	6.69654	6.51165	DNAJC25-GNG10 readthrough [Source:HGNC Symbol;Acc:HGNC:	chr9:11439	NM_00412	.	.	.	NP_00411	.	protein_co	ENSG0000	552891	37501
DNAJC27	1.48834	1.51048	1.51654	1.46738	1.21425	1.53784	DnaJ heat shock protein family (Hsp40) member C27 [Source:HG	chr2:25166	NM_00119	XM_01700	.	.	NP_00118	XP_016859	protein_co	ENSG0000	51277	30290
DNAJC28	1.16287	0.711826	1.36647	0.372241	0.938677	1.25131	DnaJ heat shock protein family (Hsp40) member C28 [Source:HG	chr21:3485	NM_00104	XM_00672	.	.	NP_00103	XP_006724	protein_co	ENSG0000	54943	1297
DNAJC3	28.8975	28.1637	13.4201	25.0151	28.408	22.7055	DnaJ heat shock protein family (Hsp40) member C3 [Source:HGN	chr13:9632	NM_00626	XM_01702	.	.	NP_00625	XP_011519	protein_co	ENSG0000	5611	9439
DNAJC30	6.1162	5.15214	5.56506	3.99498	3.51392	3.24035	DnaJ heat shock protein family (Hsp40) member C30 [Source:HG	chr7:73095	NM_03231	.	.	.	NP_11569	.	protein_co	ENSG0000	84277	16410
DNAJC4	16.7926	15.8064	18.2545	19.5151	12.9975	17.0206	DnaJ heat shock protein family (Hsp40) member C4 [Source:HGN	chr11:6399	NM_00130	XM_01154	.	.	NP_00129	XP_011543	protein_co	ENSG0000	3338	5271
DNAJC5	25.0662	25.2567	26.0761	28.134	26.3981	23.1279	DnaJ heat shock protein family (Hsp40) member C5 [Source:HGN	chr20:6252	NM_02521	XM_01152	.	.	NP_07949	XP_011527	protein_co	ENSG0000	80331	16235
DNAJC5B	0.276572	0.347334	0.432647	0.309055	0.061982	0.111264	DnaJ heat shock protein family (Hsp40) member C5 beta [Source:	chr8:66933	NM_03310	XM_01151	.	.	NP_14909	XP_011515	protein_co	ENSG0000	85479	24138
DNAJC5G	0.591701	0.720887	0.807585	0.700288	0.692174	0.698222	DnaJ heat shock protein family (Hsp40) member C5 gamma [Sour	chr2:27498	NM_00130	XM_01700	.	.	NP_00129	XP_006712	protein_co	ENSG0000	285126	24844

DNAJC6	4.83152	4.64935	3.7815	3.99756	4.44593	5.24671	DnaJ heat shock protein family (Hsp40) member C6 [Source:HGN(	chr1:6573(	NM_00125	XM_01154	.	.	NP_00124:	XP_01154(	protein_co	ENSG0000(	9829	15469
DNAJC7	63.2553	59.9465	50.1157	61.3147	60.4843	50.7395	DnaJ heat shock protein family (Hsp40) member C7 [Source:HGN(	chr17:4011	NM_00114	XM_01152	.	.	NP_00113!	XP_011523	protein_co	ENSG0000(	7266	12392
DNAJC8	83.9245	79.0088	75.4046	102.551	89.7011	82.5897	DnaJ heat shock protein family (Hsp40) member C8 [Source:HGN(	chr1:28526	NM_01428		.	.	NP_05509!	.	protein_co	ENSG0000(	22826	15470
DNAJC9	37.8693	33.5352	26.6786	33.6524	32.7319	30.2885	DnaJ heat shock protein family (Hsp40) member C9 [Source:HGN(	chr10:7492	NM_01519		.	.	NP_05600!	.	protein_co	ENSG0000(	23234	19123
DNAL1	5.57482	8.31421	6.13674	6.28966	3.97886	6.40091	dynein axonemal light chain 1 [Source:HGNC Symbol;Acc:HGNC:2	chr14:7411	NM_00120	XM_01153	.	.	NP_00118!	XP_011535	protein_co	ENSG0000(	83544	23247
DNAL4	14.2652	14.5965	12.9654	12.2362	12.0804	13.7337	dynein axonemal light chain 4 [Source:HGNC Symbol;Acc:HGNC:2	chr22:3913	NM_00574		.	.	NP_00573	.	protein_co	ENSG0000(	10126	2955
DNALI1	0.139283	0.115119	0.556321	0.154168	0.189438	0.577587	dynein axonemal light intermediate chain 1 [Source:HGNC Symbo	chr1:38022	NM_00346		.	.	NP_00345:	.	protein_co	ENSG0000(	7802	14353
DNASE1	1.66979	1.85135	1.93712	1.1657	1.35358	2.14223	deoxyribonuclease 1 [Source:HGNC Symbol;Acc:HGNC:2956]	chr16:3692	NM_00522	XM_01152	.	.	NP_00521	XP_005255	protein_co	ENSG0000(	1773	2956
DNASE1L1	4.36781	4.73397	6.18815	4.39738	4.04652	5.83074	deoxyribonuclease 1 like 1 [Source:HGNC Symbol;Acc:HGNC:2957	chrX:15362	NM_00100	XM_01153	.	.	NP_00100!	XP_005277	protein_co	ENSG0000(	1774	2957
DNASE1L2	0.418611	0.695645	0.529088	0.909752	0.623287	0.231024	deoxyribonuclease 1 like 2 [Source:HGNC Symbol;Acc:HGNC:2958	chr16:2285	NM_00130	XM_01152	.	.	NP_00128!	XP_01152(	protein_co	ENSG0000(	1775	2958
DNASE1L3	0	0	0.043024	0	0	0	deoxyribonuclease 1 like 3 [Source:HGNC Symbol;Acc:HGNC:2959	chr3:58177	NM_00125		.	.	NP_00124:	.	protein_co	ENSG0000(	1776	2959
DNASE2	20.9676	20.8034	16.162	16.8787	14.0949	21.1249	deoxyribonuclease 2, lysosomal [Source:HGNC Symbol;Acc:HGNC	chr19:1298	NM_00137		.	.	NP_00136(	.	protein_co	ENSG0000(	1777	2960
DNASE2B	0.496328	0.224573	0.18535	0	0.369489	0.165805	deoxyribonuclease 2 beta [Source:HGNC Symbol;Acc:HGNC:2887	chr1:84864	NM_02123	XM_01154	.	.	NP_06705(	XP_01154(	protein_co	ENSG0000(	58511	28875
DND1	1.9684	0.865857	0.924801	1.15409	1.51077	1.05623	DND microRNA-mediated repression inhibitor 1 [Source:HGNC Sy	chr5:14004	NM_19424		.	.	NP_91922!	.	protein_co	ENSG0000(	373863	23799
DNER	0.733129	0.448178	0.83813	1.56644	1.10698	1.03222	delta/notch like EGF repeat containing [Source:HGNC Symbol;Acc	chr2:23022	NM_13907	XM_00524	.	.	NP_62071	XP_005247	protein_co	ENSG0000(	92737	24456
DNHD1	1.02142	1.14578	1.06782	0.844057	1.00045	1.1908	dynein heavy chain domain 1 [Source:HGNC Symbol;Acc:HGNC:26	chr11:6518	NM_14466		.	.	NP_65326	.	protein_co	ENSG0000(	144132	26532
DNLZ	20.9827	14.1267	20.4078	19.9253	16.4208	11.5046	DNL-type zinc finger [Source:HGNC Symbol;Acc:HGNC:33879]	chr9:13922	NM_00108		.	.	NP_00107	.	protein_co	ENSG0000(	728489	33879
DNM1	1.61661	1.54545	2.24524	1.64702	1.30693	1.22227	dynamin 1 [Source:HGNC Symbol;Acc:HGNC:2972]	chr9:13092	NM_00100	XM_01701	.	.	NP_00100!	XP_005251	protein_co	ENSG0000(	1759	2972
DNM1L	25.1073	23.7306	26.7388	19.9193	26.0159	29.3495	dynamin 1 like [Source:HGNC Symbol;Acc:HGNC:2973]	chr12:3283	NM_00127	XM_01152	.	.	NP_00126!	XP_005253	protein_co	ENSG0000(	10059	2973
DNM2	31.1087	33.4747	32.1672	38.5783	36.5979	36.6503	dynamin 2 [Source:HGNC Symbol;Acc:HGNC:2974]	chr19:1082	NM_00100		.	.	NP_00100!	.	protein_co	ENSG0000(	1785	2974
DNM3	0.371151	0.56497	0.93517	0.379152	0.610057	0.738479	dynamin 3 [Source:HGNC Symbol;Acc:HGNC:29125]	chr1:17181	NM_00113	XM_01150	.	.	NP_00112!	XP_005245	protein_co	ENSG0000(	26052	29125
DNMBP	29.7777	30.0976	33.384	30.4409	31.3182	32.4524	dynamin binding protein [Source:HGNC Symbol;Acc:HGNC:30373	chr10:1016	NM_00131	XM_01153	.	.	NP_00130!	XP_006717	protein_co	ENSG0000(	23268	30373
DNMT1	38.5595	41.1883	35.1267	48.8785	47.9376	39.4532	DNA methyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:2976]	chr19:1024	NM_00113	XM_01152	.	.	NP_00112	.	protein_co	ENSG0000(	1786	2976
DNMT3A	3.43726	3.56754	4.00535	1.96676	2.49583	3.00284	DNA methyltransferase 3 alpha [Source:HGNC Symbol;Acc:HGNC	chr2:25450	NM_00132	XM_01700	.	.	NP_00130	XP_005264	protein_co	ENSG0000(	1788	2978
DNMT3B	9.39092	8.68582	8.63593	9.87646	11.1841	12.7111	DNA methyltransferase 3 beta [Source:HGNC Symbol;Acc:HGNC:2	chr20:3135	NM_00120	XM_01152	.	.	NP_00119:	XP_011526	protein_co	ENSG0000(	1789	2979
DNMT3L	0	0	0	0	0	0	DNA methyltransferase 3 like [Source:HGNC Symbol;Acc:HGNC:2	chr21:4566	NM_01336	XM_01152	.	.	NP_03750	XP_011527	protein_co	ENSG0000(	29947	2980
DNPEP	36.7929	37.4129	30.7906	38.8257	31.8655	25.3826	aspartyl aminopeptidase [Source:HGNC Symbol;Acc:HGNC:2981]	chr2:22023	NM_00131	XM_01151	.	.	NP_00130(	XP_011509	protein_co	ENSG0000(	23549	2981
DNPH1	97.2203	92.5976	114.942	73.4342	56.5776	80.3853	2'-deoxynucleoside 5'-phosphate N-hydrolase 1 [Source:HGNC Sy	chr6:43193	NM_00644		.	.	NP_00643	.	protein_co	ENSG0000(	10591	21218
DNTT	0	0	0	0	0	0	DNA nucleotidylexotransferase [Source:HGNC Symbol;Acc:HGNC:	chr10:9806	NM_00101		.	.	NP_00101	.	protein_co	ENSG0000(	1791	2983
DNTTIP1	44.022	42.8201	34.534	41.3353	34.8599	32.0716	deoxynucleotidyltransferase terminal interacting protein 1 [Sourc	chr20:4442	NM_05295		.	.	NP_44318	.	protein_co	ENSG0000(	116092	16160
DNTTIP2	22.2437	19.3168	18.1516	23.4936	26.7953	18.3178	deoxynucleotidyltransferase terminal interacting protein 2 [Sourc	chr1:94331	NM_01459		.	.	NP_05541	.	protein_co	ENSG0000(	30836	24013
DOC2A	6.00289	6.25841	7.20366	7.59558	5.17782	6.37805	double C2 domain alpha [Source:HGNC Symbol;Acc:HGNC:2985]	chr16:3000	NM_00128	XM_01154	.	.	NP_00126!	XP_005255	protein_co	ENSG0000(	8448	2985
DOC2B	5.75502	5.24829	6.58327	5.94637	5.49953	6.0366	double C2 domain beta [Source:HGNC Symbol;Acc:HGNC:2986]	chr17:6010	NM_00358	XM_01153	.	.	NP_00357(	XP_011533	protein_co	ENSG0000(	8447	2986
DOCK1	9.14193	8.90629	12.4022	8.08526	8.3967	10.8275	dedicator of cytokinesis 1 [Source:HGNC Symbol;Acc:HGNC:2987	chr10:1285	NM_00129	XM_01701	.	.	NP_00127	XP_011537	protein_co	ENSG0000(	1793	2987
DOCK10	0	0.009359	0.007722	0.040009	0.059309	0.017729	dedicator of cytokinesis 10 [Source:HGNC Symbol;Acc:HGNC:234	chr2:22562	NM_00129	XM_00671	.	.	NP_00127	XP_005246	protein_co	ENSG0000(	55619	23479
DOCK11	0.042156	0.136035	0.137548	0.120682	0.174462	0.225811	dedicator of cytokinesis 11 [Source:HGNC Symbol;Acc:HGNC:234	chrX:11762	NM_14465	XM_01153	.	.	NP_65325!	XP_005262	protein_co	ENSG0000(	139818	23483
DOCK2	0.038907	0	0	0	0	0.013054	dedicator of cytokinesis 2 [Source:HGNC Symbol;Acc:HGNC:2988	chr5:16906	NM_00494		.	.	NP_00493	XP_005265	protein_co	ENSG0000(	1794	2988
DOCK3	1.59686	1.48938	1.94764	1.19781	1.09199	1.39827	dedicator of cytokinesis 3 [Source:HGNC Symbol;Acc:HGNC:2989	chr3:50712	NM_00494	XM_01700	.	.	NP_00493!	XP_005264	protein_co	ENSG0000(	1795	2989
DOCK4	0.65454	0.774751	0.87276	0.713565	0.793192	0.909999	dedicator of cytokinesis 4 [Source:HGNC Symbol;Acc:HGNC:1919	chr7:11136	NM_01470	XM_01701	.	.	NP_05552(	XP_006716	protein_co	ENSG0000(	9732	19192
DOCK5	9.90597	10.5948	12.771	9.53812	11.2253	12.6316	dedicator of cytokinesis 5 [Source:HGNC Symbol;Acc:HGNC:2347	chr8:25042	NM_00132	XM_01701	.	.	NP_00130!	XP_011542	protein_co	ENSG0000(	80005	23476
DOCK6	7.79123	7.79555	9.50466	8.2508	7.61267	8.4941	dedicator of cytokinesis 6 [Source:HGNC Symbol;Acc:HGNC:1918	chr19:1130	NM_02081	XM_01152	.	.	NP_06586	XP_005260	protein_co	ENSG0000(	57572	19189
DOCK7	9.32084	9.5191	10.2958	8.71118	11.0616	11.6678	dedicator of cytokinesis 7 [Source:HGNC Symbol;Acc:HGNC:1919	chr1:62920	NM_00127	XM_01700	.	.	NP_00125!	XP_005271	protein_co	ENSG0000(	85440	19190
DOCK8	0.046386	0.023108	0.025894	0.02207	0.041069	0.046023	dedicator of cytokinesis 8 [Source:HGNC Symbol;Acc:HGNC:1919	chr9:21282	NM_00119	XM_01701	.	.	NP_00117	XP_011516	protein_co	ENSG0000(	81704	19191
DOCK9	6.2523	6.55388	8.4216	5.80015	6.08608	6.54367	dedicator of cytokinesis 9 [Source:HGNC Symbol;Acc:HGNC:1413	chr13:9944	NM_00113	XM_01702	.	.	NP_00112	XP_005254	protein_co	ENSG0000(	23348	14132
DOHH	18.2396	19.429	15.5987	24.3769	20.492	14.0531	deoxyhypusine hydroxylase/monooxygenase [Source:HGNC Symb	chr19:3490	NM_00114	XM_01152	.	.	NP_00113!	XP_011526	protein_co	ENSG0000(	83475	28662
DOK1	9.88698	11.2471	9.47558	14.3163	10.833	9.76816	docking protein 1 [Source:HGNC Symbol;Acc:HGNC:2990]	chr2:74753	NM_00119	XM_01153	.	.	NP_00118	.	protein_co	ENSG0000(	1796	2990
DOK2	0.09007	0	0	0.048127	0	0.099631	docking protein 2 [Source:HGNC Symbol;Acc:HGNC:2991]	chr8:21766	NM_00397		.	.	NP_00396!	.	protein_co	ENSG0000(	9046	2991
DOK3	2.9058	1.71823	1.48036	3.16197	3.39957	1.8947	docking protein 3 [Source:HGNC Symbol;Acc:HGNC:24583]	chr5:17692	NM_00114	XM_01153	.	.	NP_00113!	XP_005266	protein_co	ENSG0000(	79930	24583
DOK4	9.05976	9.45194	10.2099	9.74715	8.30356	7.8743	docking protein 4 [Source:HGNC Symbol;Acc:HGNC:19868]	chr16:5749	NM_01811	XM_01152	.	.	NP_06058(	XP_005256	protein_co	ENSG0000(	55715	19868
DOK5	0	0	0	0	0	0	docking protein 5 [Source:HGNC Symbol;Acc:HGNC:16173]	chr20:5309	NM_01843	XM_01152	.	.	NP_06090	XP_011527	protein_co	ENSG0000(	55816	16173
DOK6	0	0	0	0	0	0	docking protein 6 [Source:HGNC Symbol;Acc:HGNC:28301]	chr18:6706	NM_15272	XM_01152	.	.	NP_68993	XP_011524	protein_co	ENSG0000(	220164	28301
DOK7	1.13474	0.909623	2.30722	1.527	1.06371	0.988409	docking protein 7 [Source:HGNC Symbol;Acc:HGNC:26594]	chr4:34650	NM_00116		.	.	NP_00115!	.	protein_co	ENSG0000(	285489	26594
DOLK	14.6684	13.7799	12.8442	15.3429	13.2289	10.5537	dolichol kinase [Source:HGNC Symbol;Acc:HGNC:23406]	chr9:13168	NM_0149(		.	.	NP_05572	.	protein_co	ENSG0000(	22845	23406
DOLPP1	13.5738	17.0422	11.0987	17.3748	14.757	12.4127	dolichyldiphosphatase 1 [Source:HGNC Symbol;Acc:HGNC:29565]	chr9:13184	NM_00113		.	.	NP_00112!	.	protein_co	ENSG0000(	57171	29565
DONSON	19.4089	17.1401	17.8782	22.241	23.2059	18.7175	downstream neighbor of SON [Source:HGNC Symbol;Acc:HGNC:2	chr21:3487	NM_01761		.	.	NP_06008	.	protein_co	ENSG0000(	29980	2993
DOPEY1	1.90902	1.75212	2.0972	1.02932	1.82636	1.60948	dopey family member 1 [Source:HGNC Symbol;Acc:HGNC:21194]	chr6:83777	NM_00119	XM_01153	.	.	NP_00118(	XP_011533	protein_co	ENSG0000(	23033	21194
DOPEY2	2.75401	3.06964	3.47515	2.58368	2.60832	3.5587	dopey family member 2 [Source:HGNC Symbol;Acc:HGNC:1291]	chr21:3753	NM_00132	XM_01702	.	.	NP_00130	XP_006724	protein_co	ENSG0000(	9980	1291
DOT1L	9.08776	10.1873	9.3622	9.76245	9.22682	8.13708	DOT1 like histone lysine methyltransferase [Source:HGNC Symbo	chr19:2164	NM_03248	XM_01152	.	.	NP_11587	XP_005259	protein_co	ENSG0000(	84444	24948
DPAGT1	25.7853	24.5324	19.8096	21.5088	21.5747	14.8418	dolichyl-phosphate N-acetylglucosaminephosphotransferase 1 [S	chr11:1189	NM_00138	XM_01154	.	.	NP_00137	XP_005271	protein_co	ENSG0000(	1798	2995

DPCD	38.7923	30.2	37.8985	46.8271	32.1531	29.4496	deleted in primary ciliary dyskinesia homolog (mouse) [Source:HG	chr10:1033	NM_01544	.	.	.	NP_05626	.	protein_co	ENSG0000	25911	24542
DPCR1	0.04751	0.074285	0.041236	0.052627	0.052855	0.070842	diffuse panbronchiolitis critical region 1 [Source:HGNC Symbol;Ac	chr6:30899	NM_08087	.	.	.	NP_54314	.	protein_co	ENSG0000	135656	21666
DPEP1	0.236766	0.231548	0.32578	3.22898	2.99225	3.05051	dipeptidase 1 (renal) [Source:HGNC Symbol;Acc:HGNC:3002]	chr16:8967	NM_00112	XM_01152	.	.	NP_00112	XP_005256	protein_co	ENSG0000	1800	3002
DPEP2	0	0	0	0	0.0527	0	dipeptidase 2 [Source:HGNC Symbol;Acc:HGNC:23028]	chr16:6802	NM_02235	XM_01152	.	.	NP_07175	XP_005256	protein_co	ENSG0000	64174	23028
DPEP3	0	0	0	0	0	0	dipeptidase 3 [Source:HGNC Symbol;Acc:HGNC:23029]	chr16:6800	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	64180	23029
DPF1	4.08488	4.07572	4.28823	3.79011	3.70648	3.42533	double PHD fingers 1 [Source:HGNC Symbol;Acc:HGNC:20225]	chr19:3870	NM_00113	XM_01152	.	.	NP_00112	XP_005259	protein_co	ENSG0000	8193	20225
DPF2	37.1301	40.642	32.9839	43.332	36.27	31.7559	double PHD fingers 2 [Source:HGNC Symbol;Acc:HGNC:9964]	chr11:6510	NM_00626	XM_01701	.	.	NP_00625	XP_005274	protein_co	ENSG0000	5977	9964
DPF3	0.205237	0.153603	0.487991	0.187345	0.202117	0.130466	double PHD fingers 3 [Source:HGNC Symbol;Acc:HGNC:17427]	chr14:7308	NM_00128	XM_01153	.	.	NP_00126	XP_016877	protein_co	ENSG0000	8110	17427
DPH1	16.1846	16.9081	19.1233	13.699	12.6486	12.9834	diphthamide biosynthesis 1 [Source:HGNC Symbol;Acc:HGNC:300	chr17:1933	NM_00138	.	.	.	NP_00137	.	protein_co	ENSG0000	1801	3003
DPH2	36.8345	37.4624	34.3405	41.6505	33.2359	22.7398	DPH2 homolog [Source:HGNC Symbol;Acc:HGNC:3004]	chr1:44435	NM_00103	XM_01154	.	.	NP_00103	XP_016855	protein_co	ENSG0000	1802	3004
DPH3	9.06851	9.73502	8.6584	10.4604	12.2744	9.82067	diphthamide biosynthesis 3 [Source:HGNC Symbol;Acc:HGNC:277	chr3:16299	NM_00104	.	.	.	NP_00104	.	protein_co	ENSG0000	285381	27717
DPH5	35.5883	29.9879	36.5625	39.2452	38.1975	39.0335	diphthamide biosynthesis 5 [Source:HGNC Symbol;Acc:HGNC:242	chr1:10145	NM_00107	XM_01154	.	.	NP_00107	XP_005270	protein_co	ENSG0000	51611	24270
DPH6	6.12615	6.30951	5.29369	5.27659	4.91392	6.11291	diphthamine biosynthesis 6 [Source:HGNC Symbol;Acc:HGNC:305	chr15:3566	NM_00114	.	.	.	NP_00113	XP_011520	protein_co	ENSG0000	89978	30543
DPH7	21.6633	19.9119	20.5325	22.8907	20.197	14.1875	diphthamide biosynthesis 7 [Source:HGNC Symbol;Acc:HGNC:251	chr9:14044	NM_13877	XM_01151	.	.	NP_62013	XP_005266	protein_co	ENSG0000	92715	25199
DPM1	49.6635	47.2392	49.6046	47.5215	54.4214	46.8069	dolichyl-phosphate mannosyltransferase subunit 1, catalytic [Sou	chr20:4955	NM_00131	XM_00526	NR_13364	.	NP_00130	XP_005260	protein_co	ENSG0000	8813	3005
DPM2	37.3528	37.2426	28.3558	31.7942	24.7203	21.2923	dolichyl-phosphate mannosyltransferase subunit 2, regulatory [So	chr9:13069	NM_00386	.	.	.	NP_00385	.	protein_co	ENSG0000	8818	3006
DPM3	66.0983	54.6283	66.8575	92.1131	61.8949	54.9863	dolichyl-phosphate mannosyltransferase subunit 3 [Source:HGNC	chr1:15511	NM_01897	XM_01700	.	.	NP_06184	XP_016856	protein_co	ENSG0000	54344	3007
DPP10	0	0	0	0	0	0	dipeptidyl peptidase like 10 [Source:HGNC Symbol;Acc:HGNC:208	chr2:11519	NM_00100	XM_01151	.	.	NP_00100	XP_011509	protein_co	ENSG0000	57628	20823
DPP3	24.1159	25.5195	23.5656	32.1879	25.6191	19.3617	dipeptidyl peptidase 3 [Source:HGNC Symbol;Acc:HGNC:3008]	chr11:6624	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	10072	3008
DPP4	1.40115	1.33846	2.2934	6.49781	6.46712	6.86393	dipeptidyl peptidase 4 [Source:HGNC Symbol;Acc:HGNC:3009]	chr2:16284	NM_00193	XM_00524	.	.	NP_00192	XP_005246	protein_co	ENSG0000	1803	3009
DPP6	0	0	0	0	0	0	dipeptidyl peptidase like 6 [Source:HGNC Symbol;Acc:HGNC:3010	chr7:15358	NM_00103	XM_01151	.	.	NP_00103	XP_016867	protein_co	ENSG0000	1804	3010
DPP7	95.8457	94.3743	95.4508	105.146	88.8395	72.0105	dipeptidyl peptidase 7 [Source:HGNC Symbol;Acc:HGNC:14892]	chr9:14000	NM_01337	XM_01151	.	.	NP_03751	XP_005266	protein_co	ENSG0000	29952	14892
DPP8	7.47861	7.8932	8.56207	7.24709	8.50408	9.28009	dipeptidyl peptidase 8 [Source:HGNC Symbol;Acc:HGNC:16490]	chr15:6573	NM_01774	XM_01702	.	.	NP_00130	XP_005254	protein_co	ENSG0000	54878	16490
DPP9	20.7684	21.8756	19.0444	22.8408	20.7308	14.0969	dipeptidyl peptidase 9 [Source:HGNC Symbol;Acc:HGNC:18648]	chr19:4675	NM_13915	XM_01152	.	.	NP_63189	XP_005259	protein_co	ENSG0000	91039	18648
DPPA2	0.048222	0.050592	0.084487	0	0	0	developmental pluripotency associated 2 [Source:HGNC Symbol;A	chr3:10901	NM_13881	XM_01151	.	.	NP_62017	XP_011510	protein_co	ENSG0000	151871	19197
DPPA3	0	0	0	0	0	0	developmental pluripotency associated 3 [Source:HGNC Symbol;A	chr12:7864	NM_19928	.	.	.	NP_95498	.	protein_co	ENSG0000	359787	19199
DPPA4	0	0	0	0	0	0	developmental pluripotency associated 4 [Source:HGNC Symbol;A	chr3:10904	NM_01818	.	.	.	NP_06065	.	protein_co	ENSG0000	55211	19200
DPPA5	0	0	0	0	0.165275	0	developmental pluripotency associated 5 [Source:HGNC Symbol;A	chr6:74062	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	340168	19201
DPRX	0	0	0	0	0	0	divergent-paired related homeobox [Source:HGNC Symbol;Acc:H	chr19:5413	NM_00101	XM_01152	.	.	NP_00101	XP_011525	protein_co	ENSG0000	503834	32166
DPT	0	0	0	0	0	0	dermatopontin [Source:HGNC Symbol;Acc:HGNC:3011]	chr1:16866	NM_00193	.	.	.	NP_00192	.	protein_co	ENSG0000	1805	3011
DPY19L1	23.7671	25.8796	30.8527	20.4244	26.4731	39.5915	dpy-19 like 1 [Source:HGNC Symbol;Acc:HGNC:22205]	chr7:34968	NM_01528	XM_01151	.	.	NP_05609	XP_011513	protein_co	ENSG0000	23333	22205
DPY19L2	0	0	0.020526	0	0	0.022533	dpy-19 like 2 [Source:HGNC Symbol;Acc:HGNC:19414]	chr12:6395	NM_17381	XM_01153	.	.	NP_77617	XP_006719	protein_co	ENSG0000	283417	19414
DPY19L3	4.16934	4.19492	5.06223	2.92028	3.23268	3.66678	dpy-19 like 3 (C. elegans) [Source:HGNC Symbol;Acc:HGNC:27120	chr19:3289	NM_00117	XM_01152	.	.	NP_00116	XP_006723	protein_co	ENSG0000	147991	27120
DPY19L4	6.63224	6.50571	8.06814	6.03843	9.12639	9.52085	dpy-19 like 4 (C. elegans) [Source:HGNC Symbol;Acc:HGNC:27829	chr8:95732	NM_18178	XM_01151	.	.	NP_86145	XP_005250	protein_co	ENSG0000	286148	27829
DPY30	49.6844	42.6954	45.7903	50.951	49.6205	49.877	dpy-30, histone methyltransferase complex regulatory subunit [S	chr2:32248	NM_00132	XM_00671	.	.	NP_00130	XP_006712	protein_co	ENSG0000	84661	24590
DPYD	0.268641	0.32423	0.588315	0.345037	0.419355	0.511019	dihydropyrimidine dehydrogenase [Source:HGNC Symbol;Acc:HG	chr1:97543	NM_00011	XM_01700	.	.	NP_00010	XP_005270	protein_co	ENSG0000	1806	3012
DPYS	0	0	0.029305	0	0	0	dihydropyrimidinase [Source:HGNC Symbol;Acc:HGNC:3013]	chr8:10539	NM_00138	XM_00525	.	.	NP_00137	XP_005250	protein_co	ENSG0000	1807	3013
DPYSL2	12.0789	11.7597	12.8572	13.8856	16.2548	15.1135	dihydropyrimidinase like 2 [Source:HGNC Symbol;Acc:HGNC:3014	chr8:26362	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	1808	3014
DPYSL3	13.1192	13.5347	12.6514	15.8162	15.4631	14.8801	dihydropyrimidinase like 3 [Source:HGNC Symbol;Acc:HGNC:3015	chr5:14677	NM_00119	XM_01153	.	.	NP_00118	XP_011535	protein_co	ENSG0000	1809	3015
DPYSL4	2.57386	2.34491	2.6075	3.29386	2.60352	2.36165	dihydropyrimidinase like 4 [Source:HGNC Symbol;Acc:HGNC:3016	chr10:1340	NM_00642	XM_01153	.	.	NP_00641	XP_005252	protein_co	ENSG0000	10570	3016
DPYSL5	3.28832	4.03344	4.61978	4.5122	3.95979	4.35778	dihydropyrimidinase like 5 [Source:HGNC Symbol;Acc:HGNC:2063	chr2:27070	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	56896	20637
DQX1	0.133018	0.027153	0.262978	0.261537	0.11473	0.084533	DEAQ-box RNA dependent ATPase 1 [Source:HGNC Symbol;Acc:H	chr2:74745	NM_13363	XM_01153	.	.	NP_59837	XP_011530	protein_co	ENSG0000	165545	20410
DR1	42.8065	44.4051	36.4042	45.1683	48.2918	38.5418	down-regulator of transcription 1 [Source:HGNC Symbol;Acc:HGN	chr1:93811	NM_00193	.	.	.	NP_00192	.	protein_co	ENSG0000	1810	3017
DRAM1	13.7357	11.3102	14.5555	10.0288	11.0224	11.9836	DNA damage regulated autophagy modulator 1 [Source:HGNC Sy	chr12:1022	NM_01837	XM_00526	.	.	NP_06084	XP_005269	protein_co	ENSG0000	55332	25645
DRAM2	9.69861	9.5887	11.2929	9.87392	12.4825	15.0474	DNA damage regulated autophagy modulator 2 [Source:HGNC Sy	chr1:11165	NM_17845	XM_01154	.	.	NP_84854	XP_005270	protein_co	ENSG0000	128338	28769
DRAP1	103.415	98.5426	90.5828	119.938	95.7332	103.618	DR1 associated protein 1 [Source:HGNC Symbol;Acc:HGNC:3019]	chr11:6568	NM_00644	.	.	.	NP_00643	.	protein_co	ENSG0000	10589	3019
DRAXIN	0.755959	0.772498	1.21443	1.1772	1.14847	1.19258	dorsal inhibitory axon guidance protein [Source:HGNC Symbol;Ac	chr1:11751	NM_19854	.	.	.	NP_94094	XP_016856	protein_co	ENSG0000	374946	25054
DRC1	0	0.021879	0.037546	0.023527	0	0	dynein regulatory complex subunit 1 [Source:HGNC Symbol;Acc:H	chr2:26624	NM_14503	XM_00526	.	.	NP_65947	XP_005264	protein_co	ENSG0000	92749	24245
DRC3	0.415243	0.458355	0.247018	0.277613	0.168377	0.243531	dynein regulatory complex subunit 3 [Source:HGNC Symbol;Acc:H	chr17:1787	NM_00113	XM_01152	.	.	NP_00112	XP_006721	protein_co	ENSG0000	83450	25384
DRC7	0.261635	0.112435	0.365157	0.217594	0.219261	0.219422	dynein regulatory complex subunit 7 [Source:HGNC Symbol;Acc:H	chr16:5772	NM_00128	XM_01152	.	.	NP_00127	XP_011521	protein_co	ENSG0000	84229	25289
DRD1	0.988086	1.05212	0.890785	1.07961	1.36372	1.65414	dopamine receptor D1 [Source:HGNC Symbol;Acc:HGNC:3020]	chr5:17486	NM_00079	.	.	.	NP_00078	.	protein_co	ENSG0000	1812	3020
DRD2	0	0.102715	0	0	0	0	dopamine receptor D2 [Source:HGNC Symbol;Acc:HGNC:3023]	chr11:1132	NM_00079	.	.	.	NP_00078	XP_016872	protein_co	ENSG0000	1813	3023
DRD3	0	0	0	0	0	0	dopamine receptor D3 [Source:HGNC Symbol;Acc:HGNC:3024]	chr3:11384	NM_00079	XM_01151	.	.	NP_00078	XP_011510	protein_co	ENSG0000	1814	3024
DRD4	1.307	1.33412	0.752884	1.36034	0.944168	0.918697	dopamine receptor D4 [Source:HGNC Symbol;Acc:HGNC:3025]	chr11:6372	NM_00079	.	.	.	NP_00078	.	protein_co	ENSG0000	1815	3025
DRD5	0	0	0	0	0	0	dopamine receptor D5 [Source:HGNC Symbol;Acc:HGNC:3026]	chr4:97833	NM_00079	.	.	.	NP_00078	.	protein_co	ENSG0000	1816	3026
DRG1	48.1266	49.8468	43.3991	62.5434	53.097	44.1681	developmentally regulated GTP binding protein 1 [Source:HGNC S	chr22:3179	NM_00414	.	.	.	NP_00413	.	protein_co	ENSG0000	4733	3029
DRG2	19.5656	20.2766	18.0771	21.3889	16.5744	13.92	developmentally regulated GTP binding protein 2 [Source:HGNC S	chr17:1799	NM_00138	XM_01702	.	.	NP_00137	XP_005256	protein_co	ENSG0000	1819	3030
DRGX	0	0	0.026168	0	0	0	dorsal root ganglia homeobox [Source:HGNC Symbol;Acc:HGNC:2	chr10:5057	NM_00127	XM_01154	.	.	NP_00126	XP_011538	protein_co	ENSG0000	644168	21536
DRICH1	0.325063	0.424367	0.409434	0.456963	0.375836	0.463104	aspartate rich 1 [Source:HGNC Symbol;Acc:HGNC:28031]	chr22:2395	NM_01644	XM_01153	.	.	NP_05753	XP_011528	protein_co	ENSG0000	51233	28031

DROSHA	12.9198	13.1236	14.4519	10.7859	11.4395	9.66613	drosha ribonuclease III [Source:HGNC Symbol;Acc:HGNC:17904]	chr5:31400	NM_00110	XM_01151	.	.	NP_00109	XP_005248	protein_co	ENSG0000	29102	17904
DRP2	0.381946	0.255917	0.348593	0.35317	0.327177	0.310884	dystrophin related protein 2 [Source:HGNC Symbol;Acc:HGNC:30	chrX:10047	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	1821	3032
DSC1	0	0	0	0.018712	0.018154	0.064386	desmocollin 1 [Source:HGNC Symbol;Acc:HGNC:3035]	chr18:2870	NM_00494	.	.	.	NP_00493	.	protein_co	ENSG0000	1823	3035
DSC2	8.81811	9.13298	8.92723	11.5528	13.5362	15.3867	desmocollin 2 [Source:HGNC Symbol;Acc:HGNC:3036]	chr18:2863	NM_00494	XM_00525	.	.	NP_00494	XP_005258	protein_co	ENSG0000	1824	3036
DSC3	3.23742	3.2364	2.28722	5.82486	6.45063	5.9442	desmocollin 3 [Source:HGNC Symbol;Acc:HGNC:3037]	chr18:2856	NM_00194	.	.	.	NP_00193	.	protein_co	ENSG0000	1825	3037
DSCAM	0	0	0	0	0	0	DS cell adhesion molecule [Source:HGNC Symbol;Acc:HGNC:3039	chr21:4138	NM_00127	.	.	.	NP_00125	XP_016883	protein_co	ENSG0000	1826	3039
DSCAML1	0	0	0.008673	0.011999	0.013056	0	DS cell adhesion molecule like 1 [Source:HGNC Symbol;Acc:HGNC	chr11:1172	NM_02069	XM_01154	.	.	NP_06574	XP_011541	protein_co	ENSG0000	57453	14656
DSCC1	23.0835	21.9292	23.2499	27.5383	33.8798	28.206	DNA replication and sister chromatid cohesion 1 [Source:HGNC S	chr8:12084	NM_02409	XM_00525	.	.	NP_07699	XP_005251	protein_co	ENSG0000	79075	24453
DSCR3	16.2546	17.1537	18.0713	16.9729	16.8754	20.0575	DSCR3 arrestin fold containing [Source:HGNC Symbol;Acc:HGNC:	chr21:3859	NM_00605	XM_01152	.	.	NP_00604	XP_005260	protein_co	ENSG0000	10311	3044
DSCR4	0	0	0	0	0	0	Down syndrome critical region 4 [Source:HGNC Symbol;Acc:HGN	chr21:3932	NM_00586	.	.	.	NP_00585	.	protein_co	ENSG0000	10281	3045
DSCR8	0	0	0	0	0	0	Down syndrome critical region 8 [Source:HGNC Symbol;Acc:HGN	chr21:3949	.	.	NR_02683	.	.	.	protein_co	ENSG0000	84677	16707
DSE	13.5433	14.4643	14.3623	12.1791	11.9672	12.8185	dermatan sulfate epimerase [Source:HGNC Symbol;Acc:HGNC:21	chr6:11660	NM_00108	.	.	.	NP_00107	XP_016866	protein_co	ENSG0000	29940	21144
DSEL	0	0	0	0	0	0	dermatan sulfate epimerase-like [Source:HGNC Symbol;Acc:HGN	chr18:6517	NM_03216	.	.	.	NP_11553	.	protein_co	ENSG0000	92126	18144
DSG1	0.036708	0	0.032916	0.082341	0.01583	0.036873	desmoglein 1 [Source:HGNC Symbol;Acc:HGNC:3048]	chr18:2889	NM_00194	.	.	.	NP_00193	.	protein_co	ENSG0000	1828	3048
DSG2	50.554	52.9225	55.8822	52.9647	70.6523	68.8052	desmoglein 2 [Source:HGNC Symbol;Acc:HGNC:3049]	chr18:2907	NM_00194	.	.	.	NP_00193	.	protein_co	ENSG0000	1829	3049
DSG3	0.013784	0	0.035908	0.01561	0.015363	0.040986	desmoglein 3 [Source:HGNC Symbol;Acc:HGNC:3050]	chr18:2902	NM_00194	XM_01152	.	.	NP_00193	XP_011524	protein_co	ENSG0000	1830	3050
DSG4	0.055127	0.038755	0.015991	0.07388	0.082309	0.069428	desmoglein 4 [Source:HGNC Symbol;Acc:HGNC:21307]	chr18:2895	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	147409	21307
DSN1	18.7367	17.2448	15.7452	15.5918	17.548	15.769	DSN1 homolog, MIS12 kinetochore complex component [Source:	chr20:3538	NM_00114	XM_00672	.	.	NP_00113	XP_006723	protein_co	ENSG0000	79980	16165
DSP	38.5262	41.5691	41.4635	39.4875	41.3119	40.4407	desmoplakin [Source:HGNC Symbol;Acc:HGNC:3052]	chr6:75418	NM_00100	XM_01151	.	.	NP_00100	.	protein_co	ENSG0000	1832	3052
DSPP	0	0	0.010378	0	0	0	dentin sialophosphoprotein [Source:HGNC Symbol;Acc:HGNC:305	chr4:88529	NM_01420	.	.	.	NP_05502	.	protein_co	ENSG0000	1834	3054
DST	14.404	15.4088	17.7792	9.62217	13.0089	13.5747	dystonin [Source:HGNC Symbol;Acc:HGNC:1090]	chr6:56322	NM_00114	XM_01701	.	.	NP_00113	XP_005249	protein_co	ENSG0000	667	1090
DSTN	115.439	101.581	126.204	109.968	142.464	140.4	destrin, actin depolymerizing factor [Source:HGNC Symbol;Acc:H	chr20:1755	NM_00101	XM_01152	.	.	NP_00101	XP_011527	protein_co	ENSG0000	11034	15750
DSTYK	3.41454	3.44433	3.89162	3.15085	3.75655	3.65821	dual serine/threonine and tyrosine protein kinase [Source:HGNC	chr1:20511	NM_01537	XM_01150	.	.	NP_05619	XP_011507	protein_co	ENSG0000	25778	29043
DTD1	41.9612	43.3031	40.2069	47.6225	38.8738	45.8535	D-tyrosyl-tRNA deacylase 1 [Source:HGNC Symbol;Acc:HGNC:162	chr20:1856	NM_08082	.	.	.	NP_54301	.	protein_co	ENSG0000	92675	16219
DTD2	8.34641	7.53165	9.05664	8.58169	8.07157	9.4326	D-tyrosyl-tRNA deacylase 2 (putative) [Source:HGNC Symbol;Acc:	chr14:3176	NM_08066	.	.	.	NP_54239	.	protein_co	ENSG0000	112487	20277
DTHD1	0	0	0	0	0	0	death domain containing 1 [Source:HGNC Symbol;Acc:HGNC:372	chr4:36283	NM_00113	XM_01151	.	.	NP_00113	XP_006714	protein_co	ENSG0000	401124	37261
DTL	18.5976	17.7018	14.1771	18.9983	19.9414	17.9024	denticleless E3 ubiquitin protein ligase homolog [Source:HGNC Sy	chr1:21220	NM_00128	XM_01150	.	.	NP_00127	XP_011507	protein_co	ENSG0000	51514	30288
DTNA	2.04478	2.33384	2.26401	2.4867	1.54098	2.5596	dystrobrevin alpha [Source:HGNC Symbol;Acc:HGNC:3057]	chr18:3207	NM_00112	XM_01702	.	.	NP_00112	XP_005258	protein_co	ENSG0000	1837	3057
DTNB	4.34112	4.04231	4.99952	5.36865	5.61843	6.0332	dystrobrevin beta [Source:HGNC Symbol;Acc:HGNC:3058]	chr2:25600	NM_00125	XM_01700	.	.	NP_00124	XP_005264	protein_co	ENSG0000	1838	3058
DTNBP1	10.2726	10.0336	8.73006	11.2933	9.52621	9.07236	dystrobrevin binding protein 1 [Source:HGNC Symbol;Acc:HGNC:	chr6:15523	NM_00127	XM_01151	.	.	NP_00125	XP_005249	protein_co	ENSG0000	84062	17328
DTWD1	6.95938	6.5794	8.99238	6.53655	12.5099	10.9269	DTW domain containing 1 [Source:HGNC Symbol;Acc:HGNC:3092	chr15:4991	NM_00114	.	.	.	NP_00113	XP_016877	protein_co	ENSG0000	56986	30926
DTWD2	2.77235	2.78158	3.06721	2.839	2.76799	3.25048	DTW domain containing 2 [Source:HGNC Symbol;Acc:HGNC:1933	chr5:11817	NM_00130	XM_01154	.	.	NP_00129	XP_011541	protein_co	ENSG0000	285605	19334
DTX1	0.02474	0.096538	0.063533	0	0.029013	0.082898	deltex E3 ubiquitin ligase 1 [Source:HGNC Symbol;Acc:HGNC:306	chr12:1134	NM_00441	XM_01153	.	.	NP_00440	XP_011536	protein_co	ENSG0000	1840	3060
DTX2	7.5259	8.66606	9.22112	9.11118	8.54333	8.1836	deltex E3 ubiquitin ligase 2 [Source:HGNC Symbol;Acc:HGNC:159	chr7:76091	NM_00110	XM_01701	.	.	NP_00109	XP_005250	protein_co	ENSG0000	113878	15973
DTX3	0	0	0	0	0	0	deltex E3 ubiquitin ligase 3 [Source:HGNC Symbol;Acc:HGNC:244	chr12:5799	NM_00128	XM_01153	.	.	NP_00127	XP_005268	protein_co	ENSG0000	196403	24457
DTX3L	7.76613	8.24243	5.95593	4.80158	5.28768	4.60315	deltex E3 ubiquitin ligase 3L [Source:HGNC Symbol;Acc:HGNC:30	chr3:12224	NM_13828	.	.	.	NP_61214	.	protein_co	ENSG0000	151636	30323
DTX4	3.17469	3.53921	4.16131	2.63886	2.54871	2.47723	deltex E3 ubiquitin ligase 4 [Source:HGNC Symbol;Acc:HGNC:291	chr11:5893	NM_00130	XM_00671	.	.	NP_00128	XP_006718	protein_co	ENSG0000	23220	29151
DTYMK	56.6819	57.9415	46.4649	98.2084	72.8091	49.8464	deoxythymidylate kinase [Source:HGNC Symbol;Acc:HGNC:3061]	chr2:24261	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	1841	3061
DUOX1	3.27254	2.75762	3.96969	2.37953	2.22513	1.80406	dual oxidase 1 [Source:HGNC Symbol;Acc:HGNC:3062]	chr15:4542	NM_01743	XM_01152	.	.	NP_05913	XP_011519	protein_co	ENSG0000	53905	3062
DUOX2	0.188711	0.166029	0.366267	0.153668	0.162288	0.281632	dual oxidase 2 [Source:HGNC Symbol;Acc:HGNC:13273]	chr15:4538	NM_01408	XM_00525	.	.	NP_05479	XP_005254	protein_co	ENSG0000	50506	13273
DUOXA1	0.584865	0.327952	0.839529	0.317857	0.415654	0.505408	dual oxidase maturation factor 1 [Source:HGNC Symbol;Acc:HGN	chr15:4538	NM_00127	XM_01152	.	.	NP_00126	XP_005254	protein_co	ENSG0000	90527	26507
DUOXA2	0	0	0	0	0	0	dual oxidase maturation factor 2 [Source:HGNC Symbol;Acc:HGN	chr15:4538	NM_20758	.	.	.	NP_99746	XP_016877	protein_co	ENSG0000	405753	32698
DUPD1	0	0	0	0	0	0	dual specificity phosphatase and pro isomerase domain containin	chr10:7679	NM_00100	XM_01153	.	.	NP_00100	XP_005269	protein_co	ENSG0000	338599	23481
DUS1L	59.9854	59.1145	59.4388	67.5276	54.6177	45.7566	dihydrouridine synthase 1 like [Source:HGNC Symbol;Acc:HGNC:3	chr17:8001	NM_02215	XM_00672	.	.	NP_07143	XP_005256	protein_co	ENSG0000	64118	30086
DUS2	11.629	9.97467	9.17707	12.0901	10.8669	8.8405	dihydrouridine synthase 2 [Source:HGNC Symbol;Acc:HGNC:2601	chr16:6805	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	54920	26014
DUS3L	19.2568	21.8943	15.706	22.0005	19.8264	15.685	dihydrouridine synthase 3 like [Source:HGNC Symbol;Acc:HGNC:2	chr19:5782	NM_00116	.	.	.	NP_00115	XP_016882	protein_co	ENSG0000	56931	26920
DUS4L	4.43867	4.80672	3.42579	3.77411	4.19807	4.26814	dihydrouridine synthase 4 like [Source:HGNC Symbol;Acc:HGNC:2	chr7:10680	NM_00127	XM_01701	.	.	NP_00125	XP_005250	protein_co	ENSG0000	11062	21517
DUSP1	9.68197	11.1934	6.2583	8.64073	7.10793	6.03116	dual specificity phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:3	chr5:17219	NM_00441	.	.	.	NP_00440	.	protein_co	ENSG0000	1843	3064
DUSP10	1.6816	1.31534	1.09744	0.842932	0.916402	1.08996	dual specificity phosphatase 10 [Source:HGNC Symbol;Acc:HGNC	chr1:22187	NM_00720	.	.	.	NP_00913	.	protein_co	ENSG0000	11221	3065
DUSP11	19.7329	19.3542	17.9785	23.3603	17.2518	19.2748	dual specificity phosphatase 11 [Source:HGNC Symbol;Acc:HGNC	chr2:73989	NM_00358	.	.	.	NP_00357	.	protein_co	ENSG0000	8446	3066
DUSP12	20.7485	21.3238	18.5757	27.8656	26.8769	28.7456	dual specificity phosphatase 12 [Source:HGNC Symbol;Acc:HGNC	chr1:16171	NM_00724	XM_00524	.	.	NP_00917	XP_005244	protein_co	ENSG0000	11266	3067
DUSP13	0.331206	0.48906	0.24872	0.33369	0.342702	0.877867	dual specificity phosphatase 13 [Source:HGNC Symbol;Acc:HGNC	chr10:7685	NM_00100	XM_01701	.	.	NP_00100	XP_005269	protein_co	ENSG0000	51207	19681
DUSP14	37.7036	36.2894	35.1315	35.967	33.6153	28.8035	dual specificity phosphatase 14 [Source:HGNC Symbol;Acc:HGNC	chr17:3584	NM_00702	XM_01152	.	.	NP_00895	XP_005257	protein_co	ENSG0000	11072	17007
DUSP15	0.117012	0.114528	0	0	0	0	dual specificity phosphatase 15 [Source:HGNC Symbol;Acc:HGNC	chr20:3043	NM_00101	.	.	.	NP_00101	XP_016883	protein_co	ENSG0000	128853	16236
DUSP16	8.35055	7.72742	7.50498	5.65392	6.34386	9.03775	dual specificity phosphatase 16 [Source:HGNC Symbol;Acc:HGNC	chr12:1262	NM_03064	XM_01152	.	.	NP_08514	XP_005253	protein_co	ENSG0000	80824	17909
DUSP18	3.96616	5.38613	4.3407	3.84033	4.35106	3.90319	dual specificity phosphatase 18 [Source:HGNC Symbol;Acc:HGNC	chr22:3103	NM_00130	XM_01152	.	.	NP_00129	XP_005261	protein_co	ENSG0000	150290	18484
DUSP19	0.598996	0.675418	0.917083	0.940085	0.58562	1.24541	dual specificity phosphatase 19 [Source:HGNC Symbol;Acc:HGNC	chr2:18394	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	142679	18894
DUSP2	12.8263	12.4268	14.491	18.8313	13.9625	8.75109	dual specificity phosphatase 2 [Source:HGNC Symbol;Acc:HGNC:3	chr2:96808	NM_00441	.	.	.	NP_00440	.	protein_co	ENSG0000	1844	3068
DUSP21	0	0	0	0	0	0	dual specificity phosphatase 21 [Source:HGNC Symbol;Acc:HGNC	chrX:44703	NM_02207	.	.	.	NP_07135	.	protein_co	ENSG0000	63904	20476

DUSP22	9.51964	8.40434	10.4453	7.18812	6.42859	8.29564	dual specificity phosphatase 22 [Source:HGNC Symbol;Acc:HGNC	chr6:29209	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	56940	16077
DUSP23	38.3416	37.8369	33.1061	41.163	30.7795	24.298	dual specificity phosphatase 23 [Source:HGNC Symbol;Acc:HGNC	chr1:15975	NM_00131	XM_00524	.	.	NP_00130	XP_005245	protein_co	ENSG0000	54935	21480
DUSP26	0.066127	0.130708	0.19285	0	0	0.097965	dual specificity phosphatase 26 (putative) [Source:HGNC Symbol;	chr8:33448	NM_00130	XM_00527	.	.	NP_00129	XP_005273	protein_co	ENSG0000	78986	28161
DUSP27	0	0	0	0.016542	0	0	dual specificity phosphatase 27 (putative) [Source:HGNC Symbol;	chr1:16706	NM_00108	XM_01151	.	.	NP_00107	XP_005245	protein_co	ENSG0000	92235	25034
DUSP28	2.22655	3.53808	1.55003	1.63462	2.53335	2.53525	dual specificity phosphatase 28 [Source:HGNC Symbol;Acc:HGNC	chr2:24141	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	285193	33237
DUSP3	16.677	17.8816	17.3972	15.0515	15.101	13.0921	dual specificity phosphatase 3 [Source:HGNC Symbol;Acc:HGNC:3	chr17:4184	NM_00409	.	.	.	NP_00408	.	protein_co	ENSG0000	1845	3069
DUSP4	30.1333	32.4892	32.5843	32.448	32.792	33.27	dual specificity phosphatase 4 [Source:HGNC Symbol;Acc:HGNC:3	chr8:29190	NM_00139	XM_01154	.	.	NP_00138	XP_011542	protein_co	ENSG0000	1846	3070
DUSP5	83.5524	79.4477	81.8885	63.2905	62.8867	72.4767	dual specificity phosphatase 5 [Source:HGNC Symbol;Acc:HGNC:3	chr10:1122	NM_00441	.	.	.	NP_00441	.	protein_co	ENSG0000	1847	3071
DUSP6	117.451	107.782	203.807	145.94	137.945	325.776	dual specificity phosphatase 6 [Source:HGNC Symbol;Acc:HGNC:3	chr12:8974	NM_00194	.	.	.	NP_00193	.	protein_co	ENSG0000	1848	3072
DUSP7	15.3469	16.1789	14.6982	20.8904	21.1772	12.5422	dual specificity phosphatase 7 [Source:HGNC Symbol;Acc:HGNC:3	chr3:52082	NM_00194	.	.	.	NP_00193	.	protein_co	ENSG0000	1849	3073
DUSP8	4.86417	5.20467	4.44716	3.77042	3.11653	5.70028	dual specificity phosphatase 8 [Source:HGNC Symbol;Acc:HGNC:3	chr11:1575	NM_00442	XM_01151	.	.	NP_00441	XP_011518	protein_co	ENSG0000	1850	3074
DUSP9	11.7111	11.7441	11.9082	12.9526	13.854	11.5034	dual specificity phosphatase 9 [Source:HGNC Symbol;Acc:HGNC:3	chrX:15290	NM_00131	XM_01153	.	.	NP_00130	XP_005274	protein_co	ENSG0000	1852	3076
DUT	62.246	64.9984	57.3921	84.0052	82.489	71.002	deoxyuridine triphosphatase [Source:HGNC Symbol;Acc:HGNC:30	chr15:4862	NM_00102	XM_01152	.	.	NP_00102	XP_011519	protein_co	ENSG0000	1854	3078
DUXA	0	0	0	0	0	0	double homeobox A [Source:HGNC Symbol;Acc:HGNC:32179]	chr19:5766	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	503835	32179
DVL1	59.3991	58.5947	47.7444	52.7794	48.4148	39.3914	dishevelled segment polarity protein 1 [Source:HGNC Symbol;Acc	chr1:12666	NM_00442	XM_00524	NR_10686	.	NP_00441	XP_005244	protein_co	ENSG0000	102466740	3084
DVL2	23.7517	25.766	25.5651	23.8182	27.0202	23.7707	dishevelled segment polarity protein 2 [Source:HGNC Symbol;Acc	chr17:7128	NM_00442	XM_00672	.	.	NP_00441	XP_005256	protein_co	ENSG0000	1856	3086
DVL3	19.1308	19.1705	18.5176	20.2001	18.8362	15.0927	dishevelled segment polarity protein 3 [Source:HGNC Symbol;Acc	chr3:18387	NM_00442	XM_00524	.	.	NP_00441	XP_005247	protein_co	ENSG0000	1857	3087
DXO	8.75075	9.18858	6.58626	7.55335	6.35679	6.50289	decapping exoribonuclease [Source:HGNC Symbol;Acc:HGNC:299	chr6:31937	NM_00551	XM_00671	.	.	NP_00550	XP_006715	protein_co	ENSG0000	1797	2992
DYDC1	0	0	0	0	0	0	DPY30 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:234	chr10:8209	NM_00126	XM_01701	.	.	NP_00125	XP_005269	protein_co	ENSG0000	143241	23460
DYDC2	0.061417	0	0.053856	0.042988	0.040342	0.063631	DPY30 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:234	chr10:8209	NM_00127	XM_01154	.	.	NP_00125	XP_011538	protein_co	ENSG0000	84332	23468
DYM	10.5053	10.7103	11.8357	11.7775	12.7039	14.3867	dymeclin [Source:HGNC Symbol;Acc:HGNC:21317]	chr18:4656	NM_01765	XM_01152	.	.	NP_06012	XP_006722	protein_co	ENSG0000	54808	21317
DYNAP	0.134964	0.087541	0.034993	0	0.075515	0	dynactin associated protein [Source:HGNC Symbol;Acc:HGNC:268	chr18:5225	NM_00130	XM_01152	.	.	NP_00129	XP_011524	protein_co	ENSG0000	284254	26808
DYNC1H1	43.0134	46.5995	43.3772	43.4211	44.8591	45.8089	dynein cytoplasmic 1 heavy chain 1 [Source:HGNC Symbol;Acc:HG	chr14:1024	NM_00137	.	.	.	NP_00136	.	protein_co	ENSG0000	1778	2961
DYNC1I1	0.056646	0.159903	0.067565	0.102344	0.13032	0.070908	dynein cytoplasmic 1 intermediate chain 1 [Source:HGNC Symbol	chr7:95401	NM_00113	XM_01701	.	.	NP_00112	XP_011514	protein_co	ENSG0000	1780	2963
DYNC1I2	25.6648	25.0598	24.1258	26.7046	25.3796	25.9064	dynein cytoplasmic 1 intermediate chain 2 [Source:HGNC Symbol	chr2:17254	NM_00127	XM_01700	.	.	NP_00125	XP_005246	protein_co	ENSG0000	1781	2964
DYNC1LI1	23.2287	24.9942	21.5309	27.7984	26.1724	24.4926	dynein cytoplasmic 1 light intermediate chain 1 [Source:HGNC Sy	chr3:32567	NM_01614	.	.	.	NP_00131	.	protein_co	ENSG0000	51143	18745
DYNC1LI2	33.5753	33.4088	37.2048	32.2942	36.3251	39.9712	dynein cytoplasmic 1 light intermediate chain 2 [Source:HGNC Sy	chr16:6675	NM_00128	.	.	.	NP_00127	XP_016878	protein_co	ENSG0000	1783	2966
DYNC2H1	0.410349	0.291088	0.521817	0.176211	0.332532	0.312244	dynein cytoplasmic 2 heavy chain 1 [Source:HGNC Symbol;Acc:HG	chr11:1029	NM_00108	XM_01701	.	.	NP_00107	XP_006718	protein_co	ENSG0000	79659	2962
DYNC2LI1	10.5531	10.9247	10.3301	7.18198	9.03086	7.08151	dynein cytoplasmic 2 light intermediate chain 1 [Source:HGNC Sy	chr2:44001	NM_00119	XM_00526	.	.	NP_00118	XP_005264	protein_co	ENSG0000	51626	24595
DYNLL1	286.809	270.935	215.448	399.255	341.449	227.372	dynein light chain LC8-type 1 [Source:HGNC Symbol;Acc:HGNC:15	chr12:1209	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	8655	15476
DYNLL2	58.693	60.1446	47.7301	63.2568	70.2845	53.3903	dynein light chain LC8-type 2 [Source:HGNC Symbol;Acc:HGNC:24	chr17:5616	NM_08067	.	.	.	NP_54240	.	protein_co	ENSG0000	140735	24596
DYNLRB1	85.7673	87.1928	89.6512	112.457	79.2617	89.3213	dynein light chain roadblock-type 1 [Source:HGNC Symbol;Acc:HG	chr20:3310	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	83658	15468
DYNLRB2	0	0	0	0	0	0	dynein light chain roadblock-type 2 [Source:HGNC Symbol;Acc:HG	chr16:8057	NM_00130	.	.	.	NP_00129	XP_006721	protein_co	ENSG0000	83657	15467
DYNLT1	133.07	116.193	159.923	161.47	135.672	150.996	dynein light chain Tctex-type 1 [Source:HGNC Symbol;Acc:HGNC:	chr6:15905	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	6993	11697
DYNLT3	13.5951	14.1315	14.8838	12.9787	15.4409	17.3294	dynein light chain Tctex-type 3 [Source:HGNC Symbol;Acc:HGNC:	chrX:37208	NM_00652	.	.	.	NP_00651	.	protein_co	ENSG0000	6990	11694
DYRK1A	10.6521	11.2766	10.4947	11.0791	11.2056	11.8568	dual specificity tyrosine phosphorylation regulated kinase 1A [Sou	chr21:3873	NM_00139	XM_01152	.	.	NP_00138	XP_006724	protein_co	ENSG0000	1859	3091
DYRK1B	2.74066	2.8023	1.95816	2.76728	3.29969	2.71583	dual specificity tyrosine phosphorylation regulated kinase 1B [Sou	chr19:4031	NM_00471	XM_01152	.	.	NP_00470	XP_005259	protein_co	ENSG0000	9149	3092
DYRK2	10.4362	12.5663	12.3462	11.7257	12.7522	10.6	dual specificity tyrosine phosphorylation regulated kinase 2 [Sour	chr12:6804	NM_00358	XM_01702	.	.	NP_00357	XP_016875	protein_co	ENSG0000	8445	3093
DYRK3	4.57487	4.11093	5.05122	5.55704	5.27079	6.00734	dual specificity tyrosine phosphorylation regulated kinase 3 [Sour	chr1:20680	NM_00100	XM_00671	.	.	NP_00100	XP_005273	protein_co	ENSG0000	8444	3094
DYRK4	8.75335	7.71922	7.08114	9.43426	8.15219	7.48681	dual specificity tyrosine phosphorylation regulated kinase 4 [Sour	chr12:4671	NM_00384	.	NR_10411	.	NP_00383	.	protein_co	ENSG0000	8798	3095
DYSF	0.220756	0.266185	0.354019	0.199026	0.372133	0.257077	dysferlin [Source:HGNC Symbol;Acc:HGNC:3097]	chr2:71680	NM_00113	XM_00526	.	.	NP_00112	XP_005264	protein_co	ENSG0000	8291	3097
DYTN	0	0	0	0	0	0	dystrotelin [Source:HGNC Symbol;Acc:HGNC:23279]	chr2:20751	NM_00109	.	.	.	NP_00108	.	protein_co	ENSG0000	391475	23279
DYX1C1	2.89663	2.49021	2.62928	2.54484	2.58927	2.27595	dyslexia susceptibility 1 candidate 1 [Source:HGNC Symbol;Acc:H	chr15:5570	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	161582	21493
DZANK1	0.849359	0.908016	0.885983	0.763271	0.875225	0.852875	double zinc ribbon and ankyrin repeat domains 1 [Source:HGNC S	chr20:1836	NM_00109	XM_01702	.	.	NP_00109	XP_005260	protein_co	ENSG0000	55184	15858
DZIP1	0	0	0	0	0.019682	0	DAZ interacting zinc finger protein 1 [Source:HGNC Symbol;Acc:H	chr13:9608	NM_01493	XM_00671	.	.	NP_05574	XP_005254	protein_co	ENSG0000	22873	20908
DZIP1L	1.71217	1.32817	1.12798	1.46246	1.18106	1.17318	DAZ interacting zinc finger protein 1 like [Source:HGNC Symbol;A	chr3:13778	NM_00117	XM_01151	.	.	NP_00116	XP_005247	protein_co	ENSG0000	199221	26551
DZIP3	5.8258	5.56247	7.47132	5.62013	7.28197	7.67816	DAZ interacting zinc finger protein 3 [Source:HGNC Symbol;Acc:H	chr3:10830	NM_01464	XM_01151	.	.	NP_05546	XP_005247	protein_co	ENSG0000	9666	30938
E2F1	20.0005	20.6804	16.9687	18.1706	17.7157	21.4441	E2F transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:3113]	chr20:3226	NM_00522	.	.	.	NP_00521	.	protein_co	ENSG0000	1869	3113
E2F2	9.77082	10.0937	7.88859	12.1169	11.8053	10.6131	E2F transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:3114]	chr1:23832	NM_00409	XM_01154	.	.	NP_00408	XP_011539	protein_co	ENSG0000	1870	3114
E2F3	22.0532	22.7122	21.4357	23.7234	26.1486	19.9487	E2F transcription factor 3 [Source:HGNC Symbol;Acc:HGNC:3115]	chr6:20402	NM_00124	XM_01151	.	.	NP_00123	XP_005248	protein_co	ENSG0000	1871	3115
E2F4	65.0841	64.3578	62.3935	70.0696	62.7542	47.0184	E2F transcription factor 4 [Source:HGNC Symbol;Acc:HGNC:3118]	chr16:6722	NM_00195	.	.	.	NP_00194	.	protein_co	ENSG0000	1874	3118
E2F5	4.68607	4.52307	5.76006	6.60509	7.55879	7.99825	E2F transcription factor 5 [Source:HGNC Symbol;Acc:HGNC:3119]	chr8:86089	NM_00108	XM_00671	.	.	NP_00107	XP_006716	protein_co	ENSG0000	1875	3119
E2F6	9.45066	9.62517	8.87104	9.37975	10.991	9.47502	E2F transcription factor 6 [Source:HGNC Symbol;Acc:HGNC:3120]	chr2:11584	NM_00127	XM_01151	.	.	NP_00126	.	protein_co	ENSG0000	1876	3120
E2F7	7.97037	7.25827	6.75637	5.79592	6.397	7.05475	E2F transcription factor 7 [Source:HGNC Symbol;Acc:HGNC:23820	chr12:7741	NM_20339	XM_01153	.	.	NP_97632	XP_011536	protein_co	ENSG0000	144455	23820
E2F8	7.61737	7.73105	6.19808	9.08137	10.3435	8.92996	E2F transcription factor 8 [Source:HGNC Symbol;Acc:HGNC:24727	chr11:1924	NM_00125	XM_01152	.	.	NP_00124	XP_011518	protein_co	ENSG0000	79733	24727
E4F1	19.2245	18.8883	17.814	20.1303	17.5946	12.6694	E4F transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:3121]	chr16:2273	NM_00128	XM_01152	.	.	NP_00127	XP_005255	protein_co	ENSG0000	1877	3121
EAF1	16.7367	18.1942	17.9621	18.3863	19.2981	18.4924	ELL associated factor 1 [Source:HGNC Symbol;Acc:HGNC:20907]	chr3:15422	NM_03308	.	.	.	NP_14907	.	protein_co	ENSG0000	85403	20907
EAF2	3.15054	3.3319	2.49486	2.97402	4.00612	3.86528	ELL associated factor 2 [Source:HGNC Symbol;Acc:HGNC:23115]	chr3:12155	NM_00132	.	.	.	NP_00130	XP_016862	protein_co	ENSG0000	55840	23115
EAPP	18.5178	18.0237	15.5553	13.9157	14.8133	16.3794	E2F associated phosphoprotein [Source:HGNC Symbol;Acc:HGNC	chr14:3498	NM_01845	XM_01153	.	.	NP_06092	XP_011535	protein_co	ENSG0000	55837	19312

EARS2	18.4354	18.6325	18.2368	23.4892	22.3515	18.3342	glutamyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbo	chr16:2353	NM_00108	XM_01154	.	.	NP_00107	XP_00672	protein_co	ENSG0000	124454	29419
EBAG9	22.813	21.7767	18.7964	15.3883	16.756	16.1225	estrogen receptor binding site associated, antigen, 9 [Source:HGN	chr8:11055	NM_00127	.	.	.	NP_00126	XP_01686	protein_co	ENSG0000	9166	3123
EBF1	0	0	0	0	0	0	early B-cell factor 1 [Source:HGNC Symbol;Acc:HGNC:3126]	chr5:15812	NM_00129	XM_01153	.	.	NP_00127	XP_01686	protein_co	ENSG0000	1879	3126
EBF2	1.0333	0.717863	0.97744	1.23236	1.20578	1.52594	early B-cell factor 2 [Source:HGNC Symbol;Acc:HGNC:19090]	chr8:25699	NM_02265	.	.	.	NP_07315	.	protein_co	ENSG0000	64641	19090
EBF3	0.226906	0.199801	0.173941	0.113006	0.136149	0.305605	early B-cell factor 3 [Source:HGNC Symbol;Acc:HGNC:19087]	chr10:1316	NM_00100	XM_00671	.	.	NP_00100	XP_00525	protein_co	ENSG0000	253738	19087
EBF4	2.32597	2.14269	3.65951	1.91604	1.67002	2.69393	early B-cell factor 4 [Source:HGNC Symbol;Acc:HGNC:29278]	chr20:2673	NM_00111	XM_00672	.	.	NP_00110	XP_00672	protein_co	ENSG0000	57593	29278
EBI3	1.84699	2.24824	3.58586	0.995287	0.386675	0.459411	Epstein-Barr virus induced 3 [Source:HGNC Symbol;Acc:HGNC:31	chr19:4229	NM_00575	XM_01152	.	.	NP_00574	XP_01152	protein_co	ENSG0000	10148	3129
EBLN1	0	0	0	0	0	0	endogenous Bornavirus-like nucleoprotein 1 [Source:HGNC Symb	chr10:2249	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	340900	39430
EBLN2	1.15709	1.4319	1.40965	0.788452	0.720379	1.46532	endogenous Bornavirus-like nucleoprotein 2 [Source:HGNC Symb	chr3:73045	NM_01802	.	.	.	NP_06049	.	protein_co	ENSG0000	55096	25493
EBNA1BP2	93.1687	94.0106	73.4741	120.056	96.1068	62.963	EBNA1 binding protein 2 [Source:HGNC Symbol;Acc:HGNC:15531	chr1:43629	NM_00115	.	NR_10679	.	NP_00115	.	protein_co	ENSG0000	102465439	15531
EBP	42.5794	41.5579	33.1095	57.2087	42.8612	36.4392	emopamil binding protein (sterol isomerase) [Source:HGNC Symb	chrX:48379	NM_00657	.	.	.	NP_00657	.	protein_co	ENSG0000	10682	3133
EBPL	42.5161	41.8901	48.4228	46.9492	39.7342	43.4712	emopamil binding protein like [Source:HGNC Symbol;Acc:HGNC:1	chr13:5023	NM_00127	.	NR_10380	.	NP_00126	.	protein_co	ENSG0000	84650	18061
ECD	15.5426	16.5989	14.4439	18.523	16.1458	16.2601	ecdysoneless cell cycle regulator [Source:HGNC Symbol;Acc:HGN	chr10:7489	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	11319	17029
ECE1	27.6578	29.4622	25.7425	20.5587	19.7372	22.4069	endothelin converting enzyme 1 [Source:HGNC Symbol;Acc:HGN	chr1:21543	NM_00111	XM_01700	.	.	NP_00110	XP_00671	protein_co	ENSG0000	1889	3146
ECE2	10.6154	10.6449	9.32732	13.3246	9.82717	8.80328	endothelin converting enzyme 2 [Source:HGNC Symbol;Acc:HGN	chr3:18396	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	9718	13275
ECEL1	0	0	0	0	0	0	endothelin converting enzyme like 1 [Source:HGNC Symbol;Acc:H	chr2:23334	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	9427	3147
ECH1	36.2744	35.4429	39.5781	48.3573	36.59	42.8106	enoyl-CoA hydratase 1 [Source:HGNC Symbol;Acc:HGNC:3149]	chr19:3930	NM_00139	.	.	.	NP_00138	.	protein_co	ENSG0000	1891	3149
ECHDC1	45.8563	47.4592	39.1048	44.2416	49.1911	44.5919	ethylmalonyl-CoA decarboxylase 1 [Source:HGNC Symbol;Acc:HG	chr6:12760	NM_00100	XM_00526	.	.	NP_00100	XP_00526	protein_co	ENSG0000	55862	21489
ECHDC2	7.98129	6.17777	8.95365	6.089	5.3596	6.66796	enoyl-CoA hydratase domain containing 2 [Source:HGNC Symbol;	chr1:53361	NM_00119	XM_01154	.	.	NP_00118	XP_01154	protein_co	ENSG0000	55268	23408
ECHDC3	7.75633	8.32394	12.0652	7.88281	6.21211	7.50775	enoyl-CoA hydratase domain containing 3 [Source:HGNC Symbol;	chr10:1178	NM_02469	.	.	.	NP_07896	.	protein_co	ENSG0000	79746	23489
ECHS1	45.554	45.1989	49.971	53.5984	42.241	36.6782	enoyl-CoA hydratase, short chain 1 [Source:HGNC Symbol;Acc:HG	chr10:1351	NM_00409	.	.	.	NP_00408	.	protein_co	ENSG0000	1892	3151
ECI1	64.7943	59.9108	60.4293	73.3541	59.154	71.6545	enoyl-CoA delta isomerase 1 [Source:HGNC Symbol;Acc:HGNC:27	chr16:2289	NM_00117	.	.	.	NP_00117	.	protein_co	ENSG0000	1632	2703
ECI2	38.1578	41.5049	41.248	50.3996	43.7764	44.8013	enoyl-CoA delta isomerase 2 [Source:HGNC Symbol;Acc:HGNC:14	chr6:40685	NM_00116	XM_00671	.	.	NP_00115	XP_00671	protein_co	ENSG0000	10455	14601
ECM1	2.48721	2.31201	1.64603	4.89057	3.99615	2.71404	extracellular matrix protein 1 [Source:HGNC Symbol;Acc:HGNC:3	chr1:15048	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	1893	3153
ECM2	0.022043	0	0	0.027049	0	0.04333	extracellular matrix protein 2 [Source:HGNC Symbol;Acc:HGNC:3	chr9:95059	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	1842	3154
ECSCR	0	0	0	0	0	0	endothelial cell surface expressed chemotaxis and apoptosis regu	chr5:13883	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	641700	35454
ECSIT	15.1852	15.7556	13.1435	26.0618	18.8428	18.7228	ECSIT signalling integrator [Source:HGNC Symbol;Acc:HGNC:2954	chr19:1159	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	51295	29548
ECT2	27.4965	27.8629	28.2451	41.4243	48.0063	50.2148	epithelial cell transforming 2 [Source:HGNC Symbol;Acc:HGNC:31	chr3:17246	NM_00125	XM_01700	.	.	NP_00124	XP_00524	protein_co	ENSG0000	1894	3155
ECT2L	0	0.018307	0.04477	0	0	0.016849	epithelial cell transforming 2 like [Source:HGNC Symbol;Acc:HGN	chr6:13911	NM_00107	XM_01153	.	.	NP_00107	XP_00671	protein_co	ENSG0000	345930	21118
EDA	1.48583	1.38981	1.68697	2.11481	2.0987	2.35613	ectodysplasin A [Source:HGNC Symbol;Acc:HGNC:3157]	chrX:68835	NM_00100	XM_00672	.	.	NP_00100	XP_00672	protein_co	ENSG0000	1896	3157
EDA2R	0.06973	0.124759	0.263656	0.106417	0.079608	0	ectodysplasin A2 receptor [Source:HGNC Symbol;Acc:HGNC:1775	chrX:65815	NM_00119	XM_01153	.	.	NP_00118	XP_01152	protein_co	ENSG0000	60401	17756
EDAR	0.065536	0.067237	0.35522	0	0.01851	0	ectodysplasin A receptor [Source:HGNC Symbol;Acc:HGNC:2895]	chr2:10951	NM_02233	XM_01151	.	.	NP_07173	XP_00671	protein_co	ENSG0000	10913	2895
EDARADD	25.839	25.6925	24.6838	30.9928	29.4233	27.4892	EDAR associated death domain [Source:HGNC Symbol;Acc:HGNC:	chr1:23651	NM_08073	.	.	.	NP_54277	.	protein_co	ENSG0000	128178	14341
EDC3	16.0108	16.2931	16.3164	17.3596	16.9903	14.1066	enhancer of mRNA decapping 3 [Source:HGNC Symbol;Acc:HGNC	chr15:7492	NM_00114	XM_01152	.	.	NP_00113	XP_01152	protein_co	ENSG0000	80153	26114
EDC4	25.3344	26.391	23.9452	29.0388	26.9997	19.2863	enhancer of mRNA decapping 4 [Source:HGNC Symbol;Acc:HGNC	chr16:6790	NM_01432	.	.	.	NP_05514	.	protein_co	ENSG0000	23644	17157
EDDM3A	0	0	0	0	0	0	epididymal protein 3A [Source:HGNC Symbol;Acc:HGNC:16978]	chr14:2119	NM_00668	.	.	.	NP_00667	XP_01687	protein_co	ENSG0000	10876	16978
EDDM3B	0	0	0	0	0	0	epididymal protein 3B [Source:HGNC Symbol;Acc:HGNC:19223]	chr14:2123	NM_02236	.	.	.	NP_07175	.	protein_co	ENSG0000	64184	19223
EDEM1	8.71389	8.97494	8.00852	5.9965	7.47645	8.75215	ER degradation enhancing alpha-mannosidase like protein 1 [Sou	chr3:52293	NM_01467	XM_01153	.	.	NP_05548	XP_01153	protein_co	ENSG0000	9695	18967
EDEM2	11.5248	12.8187	11.2542	12.3241	8.97336	10.1346	ER degradation enhancing alpha-mannosidase like protein 2 [Sou	chr20:3370	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	55741	15877
EDEM3	6.13591	6.81206	6.26029	4.41018	5.87677	7.04376	ER degradation enhancing alpha-mannosidase like protein 3 [Sou	chr1:18465	NM_00131	XM_01151	.	.	NP_00130	XP_00524	protein_co	ENSG0000	80267	16787
EDF1	269.535	260.999	213.227	292.769	203.23	220.968	endothelial differentiation related factor 1 [Source:HGNC Symbol	chr9:13975	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	8721	3164
EDIL3	0	0	0	0	0	0	EGF like repeats and discoidin domains 3 [Source:HGNC Symbol;A	chr5:83236	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	10085	3173
EDN1	0.390637	0.286048	0.272597	0.219855	0.08745	0	endothelin 1 [Source:HGNC Symbol;Acc:HGNC:3176]	chr6:12290	NM_00116	XM_01151	.	.	NP_00116	XP_01151	protein_co	ENSG0000	1906	3176
EDN2	0.137655	0.067963	0.176988	0.587885	0.159259	0.15183	endothelin 2 [Source:HGNC Symbol;Acc:HGNC:3177]	chr1:41944	NM_00195	.	.	.	NP_00194	.	protein_co	ENSG0000	1907	3177
EDN3	0	0	0	0	0	0	endothelin 3 [Source:HGNC Symbol;Acc:HGNC:3178]	chr20:5787	NM_00130	XM_01152	.	.	NP_00128	XP_00526	protein_co	ENSG0000	1908	3178
EDNRA	1.45123	1.7162	1.87995	1.32789	1.61655	1.9158	endothelin receptor type A [Source:HGNC Symbol;Acc:HGNC:317	chr4:14840	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	1909	3179
EDNRB	0	0	0	0	0	0	endothelin receptor type B [Source:HGNC Symbol;Acc:HGNC:318	chr13:7846	NM_00011	XM_01153	.	.	NP_00010	XP_01153	protein_co	ENSG0000	1910	3180
EDRF1	12.8991	12.8708	13.1829	11.5919	15.3426	11.147	erythroid differentiation regulatory factor 1 [Source:HGNC Symb	chr10:1274	NM_00120	XM_01153	.	.	NP_00118	.	protein_co	ENSG0000	26098	24640
EEA1	2.62319	2.58256	3.13271	2.18598	3.34538	3.10861	early endosome antigen 1 [Source:HGNC Symbol;Acc:HGNC:3185	chr12:9311	NM_00356	XM_01153	.	.	NP_00355	XP_01153	protein_co	ENSG0000	8411	3185
EED	15.4559	14.0856	13.0966	15.1485	19.3249	16.4352	embryonic ectoderm development [Source:HGNC Symbol;Acc:HG	chr11:8595	NM_00130	XM_01154	NR_10681	.	NP_00129	XP_00527	protein_co	ENSG0000	102465452	3188
EEF1A1	4707.55	4493.71	4737.07	4131.52	3639.22	4603.21	eukaryotic translation elongation factor 1 alpha 1 [Source:HGNC	chr6:74225	NM_00140	XM_01153	.	.	NP_00139	XP_01153	protein_co	ENSG0000	1915	3189
EEF1A2	216.054	224.457	226.729	224.352	194.311	189.496	eukaryotic translation elongation factor 1 alpha 2 [Source:HGNC	chr20:6211	NM_00195	.	.	.	NP_00194	.	protein_co	ENSG0000	1917	3192
EEF1AKMT1	9.98453	7.8057	6.35536	11.3242	10.1612	7.25104	eukaryotic translation elongation factor 1 alpha lysine methyltran	chr13:2130	NM_17492	XM_00526	.	.	NP_00130	XP_00526	protein_co	ENSG0000	221143	27351
EEF1B2	934.972	867.067	958.145	962.642	764.347	836.902	eukaryotic translation elongation factor 1 beta 2 [Source:HGNC S	chr2:20697	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	1933	3208
EEF1D	386.486	365.706	329.29	447.083	353.456	361.11	eukaryotic translation elongation factor 1 delta [Source:HGNC Sy	chr8:14466	NM_00113	XM_01151	.	.	NP_00112	XP_00525	protein_co	ENSG0000	1936	3211
EEF1E1	77.3417	76.1475	59.9929	99.7837	77.6881	62.6504	eukaryotic translation elongation factor 1 epsilon 1 [Source:HGN	chr6:80735	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	9521	3212
EEF1G	1126.92	1079.74	1200.39	1213.8	967.928	1042.78	eukaryotic translation elongation factor 1 gamma [Source:HGNC	chr11:6232	NM_00140	.	.	.	NP_00139	.	protein_co	ENSG0000	1937	3213
EEF2	965.843	1021.28	1083.88	992.513	901.509	1054.99	eukaryotic translation elongation factor 2 [Source:HGNC Symbol;	chr19:3976	NM_00196	.	.	.	NP_00195	.	protein_co	ENSG0000	1938	3214
EEF2K	7.65629	7.63793	8.82101	6.80722	7.95128	7.8785	eukaryotic elongation factor 2 kinase [Source:HGNC Symbol;Acc:I	chr16:2221	NM_01330	XM_01702	.	.	NP_03743	XP_00527	protein_co	ENSG0000	101930123	24615

EEF2KMT	15.2031	18.0578	15.7605	19.2778	18.9912	11.6462	eukaryotic elongation factor 2 lysine methyltransferase [Source:H	chr16:5083	NM_00128	XM_00525	.	.	NP_00127	XP_005255	protein_co	ENSG0000	196483	32221
EEFSEC	8.76021	8.60561	9.77949	11.9435	9.56438	9.38019	eukaryotic elongation factor, selenocysteine-tRNA specific [Sourc	chr3:12777	NM_02193	XM_01151	.	.	NP_06875	XP_005247	protein_co	ENSG0000	60678	24614
EEPD1	2.50479	2.38254	2.56457	2.93654	2.46679	2.20069	endonuclease/exonuclease/phosphatase family domain containi	chr7:36192	NM_03063	.	.	.	NP_08513	.	protein_co	ENSG0000	80820	22223
EFCAB1	0	0	0	0	0	0	EF-hand calcium binding domain 1 [Source:HGNC Symbol;Acc:HG	chr8:49627	NM_00114	XM_01151	.	.	NP_00113	XP_005251	protein_co	ENSG0000	79645	25678
EFCAB10	0.836313	1.62577	1.61526	1.40593	0.750301	1.22997	EF-hand calcium binding domain 10 [Source:HGNC Symbol;Acc:H	chr7:10517	.	.	.	.	.	.	protein_co	ENSG0000	.	34531
EFCAB11	13.1499	13.3544	8.33608	12.6989	12.7097	12.1588	EF-hand calcium binding domain 11 [Source:HGNC Symbol;Acc:H	chr14:9026	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	90141	20357
EFCAB12	0.272836	0.213363	0.105673	0.164356	0.315483	0.164935	EF-hand calcium binding domain 12 [Source:HGNC Symbol;Acc:H	chr3:12912	NM_20730	.	.	.	NP_99719	XP_011511	protein_co	ENSG0000	90288	28061
EFCAB13	0.020373	0.022141	0.017881	0	0	0	EF-hand calcium binding domain 13 [Source:HGNC Symbol;Acc:H	chr17:4540	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	124989	26864
EFCAB14	20.5505	20.6183	20.1064	17.5649	19.5146	20.4005	EF-hand calcium binding domain 14 [Source:HGNC Symbol;Acc:H	chr1:47140	NM_01477	.	.	.	NP_05558	.	protein_co	ENSG0000	9813	29051
EFCAB2	3.75669	3.51131	1.70342	1.62414	2.38345	0.710668	EF-hand calcium binding domain 2 [Source:HGNC Symbol;Acc:HG	chr1:24513	NM_00114	XM_01154	.	.	NP_00113	XP_011542	protein_co	ENSG0000	84288	28166
EFCAB3	0.049524	0.212465	0.21578	0.169114	0.109228	0.096748	EF-hand calcium binding domain 3 [Source:HGNC Symbol;Acc:HG	chr17:6044	NM_00114	XM_01152	.	.	NP_00113	XP_011522	protein_co	ENSG0000	146779	26379
EFCAB5	0.069936	0.037405	0	0.039856	0.038812	0.017276	EF-hand calcium binding domain 5 [Source:HGNC Symbol;Acc:HG	chr17:2795	NM_00114	XM_01152	.	.	NP_00113	XP_011523	protein_co	ENSG0000	374786	24801
EFCAB6	0.224934	0.090677	0.183602	0.146059	0.15408	0.143818	EF-hand calcium binding domain 6 [Source:HGNC Symbol;Acc:HG	chr22:4392	NM_02278	XM_01702	.	.	NP_07362	XP_005261	protein_co	ENSG0000	64800	24204
EFCAB7	3.25504	3.88812	2.82592	4.71623	4.86558	3.40714	EF-hand calcium binding domain 7 [Source:HGNC Symbol;Acc:HG	chr1:63989	NM_03243	XM_01154	.	.	NP_11581	XP_005271	protein_co	ENSG0000	84455	29379
EFCAB8	0.047082	0.031995	0.095451	0.034358	0.035877	0.124684	EF-hand calcium binding domain 8 [Source:HGNC Symbol;Acc:HG	chr20:3144	.	XM_01152	.	.	.	XP_011507	protein_co	ENSG0000	388795	34532
EFCAB9	0	0	0	0	0	0.115182	EF-hand calcium binding domain 9 [Source:HGNC Symbol;Acc:HG	chr5:17162	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	285588	34530
EFCC1	1.10793	1.32824	0.982823	1.55089	0.884661	1.59303	EF-hand and coiled-coil domain containing 1 [Source:HGNC Symb	chr3:12872	NM_02476	XM_00524	.	.	NP_07904	XP_005247	protein_co	ENSG0000	79825	25692
EFEMP1	0	0	0	0	0	0	EGF containing fibulin like extracellular matrix protein 1 [Source:	chr2:56093	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	2202	3218
EFEMP2	0.299727	0.305398	1.08072	0.764708	0.399917	0.521677	EGF containing fibulin like extracellular matrix protein 2 [Source:	chr11:6563	NM_01693	.	.	.	NP_05863	.	protein_co	ENSG0000	30008	3219
EFHB	0.238589	0.056225	0.092651	0.078061	0.190711	0.084866	EF-hand domain family member B [Source:HGNC Symbol;Acc:HG	chr3:19920	NM_14471	XM_01700	.	.	NP_65331	XP_005264	protein_co	ENSG0000	151651	26330
EFHC1	4.06526	3.58721	5.07312	2.40805	2.31491	2.28264	EF-hand domain containing 1 [Source:HGNC Symbol;Acc:HGNC:1	chr6:52226	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	114327	16406
EFHC2	0	0	0	0	0	0	EF-hand domain containing 2 [Source:HGNC Symbol;Acc:HGNC:2	chrX:44007	NM_02518	XM_00527	.	.	NP_07946	.	protein_co	ENSG0000	80258	26233
EFHD1	0.41688	0.366547	0.6135	0.433416	0.739517	1.37378	EF-hand domain family member D1 [Source:HGNC Symbol;Acc:H	chr2:23347	NM_00124	XM_01151	.	.	NP_00123	XP_011510	protein_co	ENSG0000	80303	29556
EFHD2	45.2609	48.8628	49.0954	44.5981	43.1384	30.3367	EF-hand domain family member D2 [Source:HGNC Symbol;Acc:H	chr1:15736	NM_02432	.	.	.	NP_07730	.	protein_co	ENSG0000	79180	28670
EFL1	8.48275	7.54205	7.75299	6.45438	6.38282	6.24345	elongation factor like GTPase 1 [Source:HGNC Symbol;Acc:HGNC:	chr15:8242	NM_00104	XM_01152	.	.	NP_00103	XP_011520	protein_co	ENSG0000	79631	25789
EFNA1	14.3952	16.3061	12.1143	12.6494	9.96581	8.32091	ephrin A1 [Source:HGNC Symbol;Acc:HGNC:3221]	chr1:15509	NM_00442	.	.	.	NP_00441	.	protein_co	ENSG0000	1942	3221
EFNA2	8.9016	6.53192	6.40395	6.95783	6.72527	7.18057	ephrin A2 [Source:HGNC Symbol;Acc:HGNC:3222]	chr19:1286	NM_00140	.	.	.	NP_00139	.	protein_co	ENSG0000	1943	3222
EFNA3	16.2281	16.6373	17.9769	21.1128	18.095	12.7744	ephrin A3 [Source:HGNC Symbol;Acc:HGNC:3223]	chr1:15503	NM_00495	.	.	.	NP_00494	.	protein_co	ENSG0000	1944	3223
EFNA4	10.8929	11.2507	9.37526	14.9177	13.8756	8.35308	ephrin A4 [Source:HGNC Symbol;Acc:HGNC:3224]	chr1:15503	NM_00522	.	.	.	NP_00521	.	protein_co	ENSG0000	1945	3224
EFNA5	0.264599	0.156056	0.425292	0.30004	0.328944	0.28351	ephrin A5 [Source:HGNC Symbol;Acc:HGNC:3225]	chr5:10671	NM_00196	XM_01154	.	.	NP_00195	XP_006714	protein_co	ENSG0000	1946	3225
EFNB1	11.5456	13.0139	13.2644	14.4488	12.8092	11.1105	ephrin B1 [Source:HGNC Symbol;Acc:HGNC:3226]	chrX:68048	NM_00442	.	.	.	NP_00442	.	protein_co	ENSG0000	1947	3226
EFNB2	12.5069	12.7299	14.4753	23.9841	27.9297	26.8905	ephrin B2 [Source:HGNC Symbol;Acc:HGNC:3227]	chr13:1071	NM_00409	.	.	.	NP_00408	.	protein_co	ENSG0000	1948	3227
EFNB3	0.085306	0	0.024431	0.123158	0.162673	0.152699	ephrin B3 [Source:HGNC Symbol;Acc:HGNC:3228]	chr17:7608	NM_00140	.	.	.	NP_00139	.	protein_co	ENSG0000	1949	3228
EFR3A	31.2165	31.4558	33.6779	28.4397	33.0471	41.9473	EFR3 homolog A [Source:HGNC Symbol;Acc:HGNC:28970]	chr8:13291	NM_00132	XM_01151	.	.	NP_00131	XP_005250	protein_co	ENSG0000	23167	28970
EFR3B	0.320952	0.383614	0.467532	0.296955	0.388222	0.434187	EFR3 homolog B [Source:HGNC Symbol;Acc:HGNC:29155]	chr2:25264	NM_00131	XM_01153	.	.	NP_00130	XP_011531	protein_co	ENSG0000	22979	29155
EFS	0	0	0	0	0	0	embryonal Fyn-associated substrate [Source:HGNC Symbol;Acc:H	chr14:2382	NM_00127	XM_00526	.	.	NP_00126	XP_005267	protein_co	ENSG0000	10278	16898
EFTUD2	39.7389	42.1706	41.1246	42.3944	36.8535	33.7573	elongation factor Tu GTP binding domain containing 2 [Source:H	chr17:4292	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	9343	30858
EGF	0.275625	0.251124	0.102848	0.285237	0.268958	0.266147	epidermal growth factor [Source:HGNC Symbol;Acc:HGNC:3229]	chr4:11083	NM_00117	XM_01153	.	.	NP_00117	XP_005262	protein_co	ENSG0000	1950	3229
EGFL6	0	0	0	0	0	0	EGF like domain multiple 6 [Source:HGNC Symbol;Acc:HGNC:323	chrX:13587	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	25975	3235
EGFL7	51.6752	55.9685	53.5566	56.9592	42.5337	51.915	EGF like domain multiple 7 [Source:HGNC Symbol;Acc:HGNC:205	chr9:13955	NM_01621	XM_01151	.	.	NP_05729	XP_006717	protein_co	ENSG0000	51162	20594
EGFL8	6.87424	5.28166	7.46781	3.85942	4.76155	3.25864	EGF like domain multiple 8 [Source:HGNC Symbol;Acc:HGNC:139	chr6:32132	NM_03065	.	.	.	NP_08515	.	protein_co	ENSG0000	80864	13944
EGFLAM	0	0	0.045505	0	0	0.12368	EGF like, fibronectin type III and laminin G domains [Source:HGN	chr5:38258	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	133584	26810
EGFR	12.507	13.7311	14.7647	11.289	13.1579	15.2438	epidermal growth factor receptor [Source:HGNC Symbol;Acc:HGN	chr7:55086	NM_00522	.	.	.	NP_00521	.	protein_co	ENSG0000	1956	3236
EGLN1	9.18359	9.14731	9.01998	8.86689	10.007	10.2585	egl-9 family hypoxia inducible factor 1 [Source:HGNC Symbol;Acc	chr1:23149	NM_02205	.	.	.	NP_07133	.	protein_co	ENSG0000	54583	1232
EGLN2	32.2588	32.9673	29.9107	37.3739	33.7154	24.668	egl-9 family hypoxia inducible factor 2 [Source:HGNC Symbol;Acc	chr19:4130	NM_05304	.	.	.	NP_44427	.	protein_co	ENSG0000	112398	14660
EGLN3	3.44084	3.40285	5.23952	3.98464	4.92727	3.98743	egl-9 family hypoxia inducible factor 3 [Source:HGNC Symbol;Acc	chr14:3439	NM_00130	XM_00672	.	.	NP_00129	XP_006720	protein_co	ENSG0000	112399	14661
EGR1	32.7012	34.4462	64.5326	25.6929	28.0631	52.9899	early growth response 1 [Source:HGNC Symbol;Acc:HGNC:3238]	chr5:13780	NM_00196	.	.	.	NP_00195	.	protein_co	ENSG0000	1958	3238
EGR2	1.27644	1.50501	0.979739	0.459167	0.643203	1.0961	early growth response 2 [Source:HGNC Symbol;Acc:HGNC:3239]	chr10:6457	NM_00039	XM_01153	.	.	NP_00039	XP_011537	protein_co	ENSG0000	1959	3239
EGR3	2.18225	1.9969	1.35936	0.86098	1.00372	1.27524	early growth response 3 [Source:HGNC Symbol;Acc:HGNC:3240]	chr8:22545	NM_00119	XM_00527	.	.	NP_00118	XP_005273	protein_co	ENSG0000	1960	3240
EGR4	0.50282	0.539716	0.105917	0.40073	0.666181	0.071544	early growth response 4 [Source:HGNC Symbol;Acc:HGNC:3241]	chr2:73518	NM_00196	.	.	.	NP_00195	.	protein_co	ENSG0000	1961	3241
EHBP1	9.84488	10.7295	18.5165	12.4889	16.4637	20.4399	EH domain binding protein 1 [Source:HGNC Symbol;Acc:HGNC:29	chr2:62900	NM_00114	XM_01700	.	.	NP_00113	XP_005264	protein_co	ENSG0000	23301	29144
EHBP1L1	19.3429	20.5503	25.8353	15.7851	17.4571	18.6417	EH domain binding protein 1 like 1 [Source:HGNC Symbol;Acc:HG	chr11:6534	NM_00109	XM_01154	.	.	NP_00109	XP_005273	protein_co	ENSG0000	254102	30682
EHD1	19.4479	21.0777	19.4065	19.2677	17.8443	16.2347	EH domain containing 1 [Source:HGNC Symbol;Acc:HGNC:3242]	chr11:6461	NM_00128	XM_01154	.	.	NP_00126	XP_011543	protein_co	ENSG0000	10938	3242
EHD2	23.5411	24.8969	21.4203	19.4715	18.2481	18.6755	EH domain containing 2 [Source:HGNC Symbol;Acc:HGNC:3243]	chr19:4821	NM_01460	.	.	.	NP_05541	.	protein_co	ENSG0000	30846	3243
EHD3	0	0	0	0	0	0	EH domain containing 3 [Source:HGNC Symbol;Acc:HGNC:3244]	chr2:31457	NM_01460	.	.	.	NP_05541	.	protein_co	ENSG0000	30845	3244
EHD4	14.5844	15.7218	17.0353	16.8563	14.7716	17.0166	EH domain containing 4 [Source:HGNC Symbol;Acc:HGNC:3245]	chr15:4218	NM_13926	.	.	.	NP_64467	.	protein_co	ENSG0000	30844	3245
EHF	19.7421	20.3324	33.8422	0.126732	0.239956	0.367339	ETS homologous factor [Source:HGNC Symbol;Acc:HGNC:3246]	chr11:3464	NM_00120	XM_01151	.	.	NP_00119	XP_005252	protein_co	ENSG0000	26298	3246
EHHADH	5.05097	4.99559	5.69026	5.77186	5.98121	6.1001	enoyl-CoA, hydratase/3-hydroxyacyl CoA dehydrogenase [Source	chr3:18490	NM_00116	XM_01151	.	.	NP_00115	XP_006713	protein_co	ENSG0000	1962	3247
EHMT1	13.0945	14.3798	13.3738	14.9966	14.6962	12.786	euchromatic histone lysine methyltransferase 1 [Source:HGNC Sy	chr9:14051	NM_00114	XM_01701	.	.	NP_00113	XP_005266	protein_co	ENSG0000	79813	24650

EHMT2	23.7481	25.8468	22.734	27.4138	24.2427	17.8721	euchromatic histone lysine methyltransferase 2 [Source:HGNC Sy	chr6:31847	NM_00128	XM_01701	.	.	.	XP_005248	protein_co	ENSG0000	10919	14129
EI24	145.248	142.208	143.224	141.339	137.736	113.652	EI24, autophagy associated transmembrane protein [Source:HGN	chr11:1254	NM_00129	XM_01154	.	.	NP_00127	XP_011541	protein_co	ENSG0000	9538	13276
EID1	62.2588	61.4844	73.911	77.013	73.3867	58.431	EP300 interacting inhibitor of differentiation 1 [Source:HGNC Syn	chr15:4911	NM_01433	.	.	.	NP_05515	.	protein_co	ENSG0000	23741	1191
EID2	11.685	11.3394	11.2738	14.9405	15.1543	12.6301	EP300 interacting inhibitor of differentiation 2 [Source:HGNC Syn	chr19:4002	NM_15323	.	.	.	NP_69496	.	protein_co	ENSG0000	163126	28292
EID2B	1.58299	1.47453	1.3715	1.54147	1.28736	1.2141	EP300 interacting inhibitor of differentiation 2B [Source:HGNC Sy	chr19:4002	NM_15236	.	.	.	NP_68957	.	protein_co	ENSG0000	126272	26796
EID3	0.331742	0.401365	0.144293	0.558559	0.371679	0.390401	EP300 interacting inhibitor of differentiation 3 [Source:HGNC Syn	chr12:1046	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	493861	32961
EIF1	456.714	445.018	316.868	411.819	353.485	488.644	eukaryotic translation initiation factor 1 [Source:HGNC Symbol;A	chr17:3984	NM_00580	.	.	.	NP_00579	.	protein_co	ENSG0000	10209	3249
EIF1AD	25.511	25.6687	20.4182	30.4862	33.8363	18.9544	eukaryotic translation initiation factor 1A domain containing [Sou	chr11:6576	NM_00124	.	.	.	NP_00122	XP_016873	protein_co	ENSG0000	84285	28147
EIF1AX	30.2739	30.5269	27.4893	35.2475	33.4169	34.6694	eukaryotic translation initiation factor 1A, X-linked [Source:HGNC	chrX:20142	NM_00141	.	.	.	NP_00140	XP_016855	protein_co	ENSG0000	107984923	3250
EIF1AY	2.2297	1.66333	1.78352	0	0	0	eukaryotic translation initiation factor 1A, Y-linked [Source:HGNC	chrY:22737	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	9086	3252
EIF1B	39.5317	41.4631	39.465	41.4888	46.0943	38.7299	eukaryotic translation initiation factor 1B [Source:HGNC Symbol;	chr3:40351	NM_00587	.	.	.	NP_00586	.	protein_co	ENSG0000	10289	30792
EIF2A	57.9355	55.2375	63.308	60.2305	63.1516	71.9864	eukaryotic translation initiation factor 2A [Source:HGNC Symbol;	chr3:15025	NM_03202	XM_01151	.	.	NP_00130	XP_011511	protein_co	ENSG0000	83939	3254
EIF2AK1	47.3668	48.1131	46.041	45.9369	45.8164	47.4772	eukaryotic translation initiation factor 2 alpha kinase 1 [Source:H	chr7:60488	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	27102	24921
EIF2AK2	11.8898	12.5411	12.7271	9.71666	13.5943	12.4826	eukaryotic translation initiation factor 2 alpha kinase 2 [Source:H	chr2:37311	NM_00113	XM_01153	.	.	NP_00112	XP_011531	protein_co	ENSG0000	5610	9437
EIF2AK3	6.3771	6.83447	4.47655	4.66944	5.63244	6.50798	eukaryotic translation initiation factor 2 alpha kinase 3 [Source:H	chr2:88856	NM_00131	XM_00526	.	.	NP_00130	XP_016860	protein_co	ENSG0000	9451	3255
EIF2AK4	15.9224	16.2376	16.4931	16.1549	16.4351	14.0403	eukaryotic translation initiation factor 2 alpha kinase 4 [Source:H	chr15:4022	NM_00101	XM_01152	.	.	NP_00101	XP_005254	protein_co	ENSG0000	440275	19687
EIF2B1	25.6536	27.3496	27.7114	33.9609	31.8731	22.5088	eukaryotic translation initiation factor 2B subunit alpha [Source:H	chr12:1240	NM_00141	.	.	.	NP_00140	.	protein_co	ENSG0000	1967	3257
EIF2B2	11.8126	11.8357	10.7572	14.417	11.1908	9.81161	eukaryotic translation initiation factor 2B subunit beta [Source:H	chr14:7546	NM_01423	.	.	.	NP_05505	.	protein_co	ENSG0000	8892	3258
EIF2B3	11.3622	9.00922	8.82149	12.2779	10.3291	8.88818	eukaryotic translation initiation factor 2B subunit gamma [Source	chr1:45316	NM_00116	XM_01154	.	.	NP_00116	.	protein_co	ENSG0000	8891	3259
EIF2B4	33.219	31.1636	28.9217	37.5916	32.0251	22.9699	eukaryotic translation initiation factor 2B subunit delta [Source:H	chr2:27587	NM_00103	XM_01153	.	.	NP_00102	XP_006712	protein_co	ENSG0000	8890	3260
EIF2B5	27.3923	25.9832	27.3854	35.5668	32.971	27.8148	eukaryotic translation initiation factor 2B subunit epsilon [Source	chr3:18385	NM_00390	.	.	.	NP_00389	.	protein_co	ENSG0000	8893	3261
EIF2D	27.7152	27.9194	29.5918	25.98	20.4693	21.605	eukaryotic translation initiation factor 2D [Source:HGNC Symbol;	chr1:20676	NM_00120	XM_01150	.	.	NP_00118	XP_005277	protein_co	ENSG0000	1939	6583
EIF2S1	62.3821	64.0048	56.644	71.2029	68.4147	54.3162	eukaryotic translation initiation factor 2 subunit alpha [Source:H	chr14:6780	NM_00409	.	.	.	NP_00408	.	protein_co	ENSG0000	1965	3265
EIF2S2	74.4051	66.4546	56.3707	68.9748	67.8926	95.4741	eukaryotic translation initiation factor 2 subunit beta [Source:HG	chr20:3267	NM_00131	XM_00526	.	.	NP_00130	XP_016883	protein_co	ENSG0000	8894	3266
EIF2S3	112.14	113.925	121.189	97.0669	108.53	123.161	eukaryotic translation initiation factor 2 subunit gamma [Source:	chrX:24072	NM_00141	.	.	.	NP_00140	.	protein_co	ENSG0000	1968	3267
EIF2S3L	26.9334	26.305	29.2883	21.3902	24.9861	31.5898	Putative eukaryotic translation initiation factor 2 subunit 3-like pr	chr12:1065	.	.	.	.	.	.	protein_co	ENSG0000	.	.
EIF3A	120.28	127.522	127.002	126.68	141.04	138.166	eukaryotic translation initiation factor 3 subunit A [Source:HGNC	chr10:1207	NM_00375	.	.	.	NP_00374	.	protein_co	ENSG0000	8661	3271
EIF3B	139.664	149.964	131.031	186.416	161.782	126.379	eukaryotic translation initiation factor 3 subunit B [Source:HGNC	chr7:23945	NM_00103	XM_01151	.	.	NP_00103	XP_011513	protein_co	ENSG0000	8662	3280
EIF3C	3.45786	3.24238	2.59932	2.85931	2.82235	2.37955	eukaryotic translation initiation factor 3 subunit C [Source:HGNC	chr16:2869	NM_00103	.	.	.	NP_00103	XP_016879	protein_co	ENSG0000	728689	3279
EIF3CL	0.266112	0.358638	0.217763	0.192894	0.102058	0.152232	eukaryotic translation initiation factor 3 subunit C-like [Source:H	chr16:2839	NM_00109	XM_00525	.	.	NP_00109	XP_005255	protein_co	ENSG0000	728689	26347
EIF3D	177.233	171.277	172.079	202.038	165.87	166.278	eukaryotic translation initiation factor 3 subunit D [Source:HGNC	chr22:3690	NM_00375	XM_01153	.	.	NP_00374	XP_011528	protein_co	ENSG0000	8664	3278
EIF3E	307.435	245.828	366.288	266.939	331.646	429.174	eukaryotic translation initiation factor 3 subunit E [Source:HGNC	chr8:10921	NM_00156	.	.	.	NP_00155	XP_016868	protein_co	ENSG0000	3646	3277
EIF3F	130.409	128.235	142.886	156.55	123.087	127.42	eukaryotic translation initiation factor 3 subunit F [Source:HGNC	chr11:7991	NM_00375	.	.	.	NP_00374	.	protein_co	ENSG0000	8665	3275
EIF3G	119.019	123.035	108.92	150.64	112.35	94.2668	eukaryotic translation initiation factor 3 subunit G [Source:HGNC	chr19:1021	NM_00375	.	.	.	NP_00374	.	protein_co	ENSG0000	8666	3274
EIF3H	239.273	215.7	275.762	233.199	243.831	283.003	eukaryotic translation initiation factor 3 subunit H [Source:HGNC	chr8:11765	NM_00375	.	.	.	NP_00374	.	protein_co	ENSG0000	8667	3273
EIF3I	206.386	196.495	197.626	238.535	197.131	161.567	eukaryotic translation initiation factor 3 subunit I [Source:HGNC S	chr1:32687	NM_00375	XM_01154	.	.	NP_00374	XP_011540	protein_co	ENSG0000	8668	3272
EIF3J	36.9649	34.1471	32.4716	35.4971	52.1685	43.9759	eukaryotic translation initiation factor 3 subunit J [Source:HGNC S	chr15:4482	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	8669	3270
EIF3K	199.58	180.927	177.643	214.012	162.861	134.643	eukaryotic translation initiation factor 3 subunit K [Source:HGNC	chr19:3910	NM_00130	XM_01152	.	.	NP_00128	XP_011525	protein_co	ENSG0000	27335	24656
EIF3L	193.505	196.773	224.176	193.935	173.142	200.718	eukaryotic translation initiation factor 3 subunit L [Source:HGNC S	chr22:3822	NM_00124	XM_00672	.	.	NP_00122	XP_005261	protein_co	ENSG0000	51386	18138
EIF3M	120.896	94.6218	115.575	118.157	124.389	125.58	eukaryotic translation initiation factor 3 subunit M [Source:HGNC	chr11:3260	NM_00130	XM_01151	.	.	NP_00129	XP_011518	protein_co	ENSG0000	10480	24460
EIF4A1	844.736	807.2	678.929	939.73	796.897	694.502	eukaryotic translation initiation factor 4A1 [Source:HGNC Symbol	chr17:7476	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	1973	3282
EIF4A2	203.366	182.166	220.702	221.05	266.209	277.111	eukaryotic translation initiation factor 4A2 [Source:HGNC Symbol	chr3:18650	NM_00196	.	NR_03165	.	NP_00195	.	protein_co	ENSG0000	100302143	3284
EIF4A3	129.002	129.186	103.854	172.61	151.208	114.636	eukaryotic translation initiation factor 4A3 [Source:HGNC Symbol	chr17:7810	NM_01474	XM_01152	.	.	NP_05555	XP_011523	protein_co	ENSG0000	9775	18683
EIF4B	215.143	222.445	267.433	232.817	236.344	281.973	eukaryotic translation initiation factor 4B [Source:HGNC Symbol;	chr12:5339	NM_00130	XM_00671	.	.	NP_00128	.	protein_co	ENSG0000	1975	3285
EIF4E	70.7067	65.8435	57.3569	77.7765	83.6255	82.6141	eukaryotic translation initiation factor 4E [Source:HGNC Symbol;	chr4:99792	NM_00113	XM_00671	.	.	NP_00112	XP_006714	protein_co	ENSG0000	1977	3287
EIF4E1B	0.077131	0.115315	0.167928	0.208142	0.17886	0.251421	eukaryotic translation initiation factor 4E family member 1B [Sou	chr5:17605	NM_00109	XM_01153	.	.	NP_00109	XP_011532	protein_co	ENSG0000	253314	33179
EIF4E2	45.2692	48.6825	39.6772	49.2063	40.9687	37.8918	eukaryotic translation initiation factor 4E family member 2 [Sour	chr2:23341	NM_00127	XM_01700	.	.	NP_00126	XP_005247	protein_co	ENSG0000	9470	3293
EIF4E3	3.98604	4.28527	5.22385	4.8672	5.47427	5.6913	eukaryotic translation initiation factor 4E family member 3 [Sour	chr3:71724	NM_00113	.	.	.	NP_00112	XP_016861	protein_co	ENSG0000	317649	31837
EIF4EBP1	87.6171	85.0859	63.3626	85.955	60.595	110.51	eukaryotic translation initiation factor 4E binding protein 1 [Sour	chr8:37887	NM_00409	.	.	.	NP_00408	.	protein_co	ENSG0000	1978	3288
EIF4EBP2	22.5298	22.6515	28.3298	23.3096	24.46	31.7815	eukaryotic translation initiation factor 4E binding protein 2 [Sour	chr10:7216	NM_00409	.	.	.	NP_00408	.	protein_co	ENSG0000	1979	3289
EIF4EBP3	2.72E-90	0.493933	1.3E-276	1.31511	0.628077	2.38609	eukaryotic translation initiation factor 4E binding protein 3 [Sour	chr5:13978	NM_00373	.	.	.	NP_00372	.	protein_co	ENSG0000	8637	3290
EIF4ENIF1	7.92138	8.83451	7.51511	7.79084	8.09748	6.37542	eukaryotic translation initiation factor 4E nuclear import factor 1	chr22:3183	NM_00116	XM_01702	.	.	NP_00115	XP_005261	protein_co	ENSG0000	56478	16687
EIF4G1	138.032	146.104	122.596	163.279	154.655	113.676	eukaryotic translation initiation factor 4 gamma 1 [Source:HGNC	chr3:18403	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	1981	3296
EIF4G2	318.532	318.755	269.565	394.163	435.345	356.388	eukaryotic translation initiation factor 4 gamma 2 [Source:HGNC	chr11:1081	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	1982	3297
EIF4G3	9.27236	8.70682	12.1414	8.29616	9.81395	12.8334	eukaryotic translation initiation factor 4 gamma 3 [Source:HGNC	chr1:21132	NM_00119	XM_01700	.	.	NP_00118	XP_011540	protein_co	ENSG0000	8672	3298
EIF4H	199.276	197.959	203.213	228.793	234.159	235.112	eukaryotic translation initiation factor 4H [Source:HGNC Symbol;	chr7:73588	NM_02217	XM_01151	.	.	NP_07149	XP_011514	protein_co	ENSG0000	7458	12741
EIF5	79.6594	77.3902	69.5841	76.959	97.2857	75.3483	eukaryotic translation initiation factor 5 [Source:HGNC Symbol;A	chr14:1038	NM_00196	.	.	.	NP_00196	.	protein_co	ENSG0000	1983	3299
EIF5A	905.652	891.779	744.557	1081.44	897.009	812.574	eukaryotic translation initiation factor 5A [Source:HGNC Symbol;	chr17:7210	NM_00114	XM_00525	.	.	NP_00113	XP_005256	protein_co	ENSG0000	1984	3300
EIF5A2	5.04657	6.71716	7.18191	6.51112	8.88033	8.35326	eukaryotic translation initiation factor 5A2 [Source:HGNC Symbol	chr3:17060	NM_02039	.	.	.	NP_06512	.	protein_co	ENSG0000	56648	3301

EIF5AL1	9.46914	9.19236	8.37392	9.59475	10.2014	9.5202	eukaryotic translation initiation factor 5A-like 1 [Source:HGNC Sy	chr10:8127	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	143244	17419
EIF5B	52.0911	49.37	49.1668	48.0634	59.0151	45.7291	eukaryotic translation initiation factor 5B [Source:HGNC Symbol;	chr2:99953	NM_01590	.	.	.	NP_05698	.	protein_co	ENSG0000	9669	30793
EIF6	203.205	193.305	165.863	224.584	169.884	120.724	eukaryotic translation initiation factor 6 [Source:HGNC Symbol;A	chr20:3386	NM_00126	.	.	.	NP_00125	.	protein_co	ENSG0000	3692	6159
ELAC1	7.25079	8.46163	6.72606	7.64688	6.91954	6.32089	elaC ribonuclease Z 1 [Source:HGNC Symbol;Acc:HGNC:14197]	chr18:4849	NM_01869	.	.	.	NP_06116	.	protein_co	ENSG0000	55520	14197
ELAC2	48.5978	49.1387	45.4453	53.9943	50.1502	34.1527	elaC ribonuclease Z 2 [Source:HGNC Symbol;Acc:HGNC:14198]	chr17:1289	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	60528	14198
ELANE	0	0	0	0	0	0	elastase, neutrophil expressed [Source:HGNC Symbol;Acc:HGNC:	chr19:8510	NM_00197	XM_01152	.	.	NP_00196	XP_01152	protein_co	ENSG0000	1991	3309
ELAVL1	52.776	57.3458	49.0157	71.1628	63.3834	46.3978	ELAV like RNA binding protein 1 [Source:HGNC Symbol;Acc:HGNC	chr19:8023	NM_00141	XM_01152	.	.	NP_00141	.	protein_co	ENSG0000	1994	3312
ELAVL2	0	0	0	0	0	0	ELAV like neuron-specific RNA binding protein 2 [Source:HGNC Sy	chr9:23690	NM_00117	XM_01701	.	.	NP_00116	XP_00525	protein_co	ENSG0000	1993	3313
ELAVL3	0.017008	0	0.014682	0.132272	0.03937	0.068581	ELAV like neuron-specific RNA binding protein 3 [Source:HGNC Sy	chr19:1156	NM_00142	XM_01152	.	.	NP_00141	XP_01152	protein_co	ENSG0000	1995	3314
ELAVL4	0	0	0	0	0	0	ELAV like neuron-specific RNA binding protein 4 [Source:HGNC Sy	chr1:50513	NM_00114	XM_01700	.	.	NP_00113	XP_00671	protein_co	ENSG0000	1996	3315
ELF1	12.2707	13.7957	12.6115	13.6787	13.8932	10.3839	E74 like ETS transcription factor 1 [Source:HGNC Symbol;Acc:HGN	chr13:4150	NM_00114	XM_01702	.	.	NP_00113	XP_00526	protein_co	ENSG0000	1997	3316
ELF2	9.59931	10.8402	11.0028	10.6768	11.0141	10.5474	E74 like ETS transcription factor 2 [Source:HGNC Symbol;Acc:HGN	chr4:13997	NM_00127	XM_00671	.	.	NP_00126	XP_00526	protein_co	ENSG0000	1998	3317
ELF3	34.6112	36.3777	48.4113	19.5152	16.3652	19.0408	E74 like ETS transcription factor 3 [Source:HGNC Symbol;Acc:HGN	chr1:20197	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	1999	3318
ELF4	12.0554	12.3828	10.5338	11.6582	10.325	8.06154	E74 like ETS transcription factor 4 [Source:HGNC Symbol;Acc:HGN	chrX:12919	NM_00112	XM_01153	.	.	NP_00112	XP_00526	protein_co	ENSG0000	2000	3319
ELF5	0.1416	0.037658	0.288465	0.200158	0.131464	0.230486	E74 like ETS transcription factor 5 [Source:HGNC Symbol;Acc:HGN	chr11:3450	NM_00124	.	.	.	NP_00123	XP_01687	protein_co	ENSG0000	2001	3320
ELFN1	1.70418	2.05352	1.9785	1.71417	1.65381	2.18941	extracellular leucine rich repeat and fibronectin type III domain c	chr7:17277	NM_00112	XM_01151	.	.	NP_00112	XP_00671	protein_co	ENSG0000	392617	33154
ELFN2	11.4958	12.3008	13.4949	8.32097	8.59446	8.54965	extracellular leucine rich repeat and fibronectin type III domain c	chr22:3776	NM_05290	.	.	.	NP_44313	.	protein_co	ENSG0000	114794	29396
ELK1	26.4097	27.4543	24.2415	27.7819	29.068	25.0721	ELK1, ETS transcription factor [Source:HGNC Symbol;Acc:HGNC:3	chrX:47494	NM_00111	XM_01702	.	.	NP_00110	XP_01688	protein_co	ENSG0000	2002	3321
ELK3	24.868	27.0992	28.0311	21.5902	23.3382	25.0105	ELK3, ETS transcription factor [Source:HGNC Symbol;Acc:HGNC:3	chr12:9658	NM_00523	XM_00671	.	.	NP_00522	XP_00671	protein_co	ENSG0000	2004	3325
ELK4	9.93317	10.5775	11.0371	7.11778	9.38437	12.637	ELK4, ETS transcription factor [Source:HGNC Symbol;Acc:HGNC:3	chr1:20557	NM_00197	XM_00524	.	.	NP_00196	XP_00524	protein_co	ENSG0000	2005	3326
ELL	8.83386	9.58199	8.70681	9.09796	8.52304	8.02216	elongation factor for RNA polymerase II [Source:HGNC Symbol;A	chr19:1855	NM_00653	XM_01702	.	.	NP_00652	XP_01688	protein_co	ENSG0000	8178	23114
ELL2	7.09152	7.2296	6.26509	6.28562	6.98322	9.10884	elongation factor for RNA polymerase II 2 [Source:HGNC Symbol;	chr5:95220	NM_01208	XM_01700	.	.	NP_03621	XP_00671	protein_co	ENSG0000	22936	17064
ELL3	6.83604	5.36511	7.51057	6.23514	4.77375	4.24628	elongation factor for RNA polymerase II 3 [Source:HGNC Symbol;	chr15:4403	NM_02516	.	.	.	NP_07944	.	protein_co	ENSG0000	80237	23113
ELMO1	0.025406	0	0.0333	0.084489	0.043977	0.1233	engulfment and cell motility 1 [Source:HGNC Symbol;Acc:HGNC:1	chr7:36893	NM_00103	XM_01151	.	.	NP_00103	XP_00524	protein_co	ENSG0000	9844	16286
ELMO2	8.20912	7.99416	7.52528	7.80171	7.96284	7.28332	engulfment and cell motility 2 [Source:HGNC Symbol;Acc:HGNC:1	chr20:4499	NM_13317	XM_00672	.	.	NP_00130	XP_00526	protein_co	ENSG0000	63916	17233
ELMO3	18.9181	18.595	21.2491	9.32627	9.16369	8.71882	engulfment and cell motility 3 [Source:HGNC Symbol;Acc:HGNC:1	chr16:6723	NM_02471	.	.	.	NP_07898	.	protein_co	ENSG0000	79767	17289
ELMOD1	1.69926	1.29006	1.60815	1.89307	2.09734	1.71567	ELMO domain containing 1 [Source:HGNC Symbol;Acc:HGNC:253	chr11:1074	NM_00113	XM_01154	NR_02832	.	NP_00112	XP_01154	protein_co	ENSG0000	643923	25334
ELMOD2	12.0096	12.1387	13.6871	11.6486	13.0565	18.2577	ELMO domain containing 2 [Source:HGNC Symbol;Acc:HGNC:281	chr4:14144	NM_15370	XM_01153	.	.	NP_71491	XP_00526	protein_co	ENSG0000	255520	28111
ELMOD3	4.41115	4.18855	2.32159	3.7769	2.85863	2.05382	ELMO domain containing 3 [Source:HGNC Symbol;Acc:HGNC:261	chr2:85581	NM_00113	XM_01700	.	.	NP_00112	XP_00526	protein_co	ENSG0000	84173	26158
ELMSAN1	9.11529	10.5935	9.35006	6.95064	7.71026	7.70946	ELM2 and Myb/SANT domain containing 1 [Source:HGNC Symbol	chr14:7418	NM_00104	XM_01153	.	.	NP_00103	XP_00526	protein_co	ENSG0000	91748	19853
ELN	0.097334	0	0.060461	0.158337	0	0	elastin [Source:HGNC Symbol;Acc:HGNC:3327]	chr7:73442	NM_00050	XM_01151	.	.	NP_00049	XP_00525	protein_co	ENSG0000	2006	3327
ELOF1	65.2906	66.8322	57.8849	82.822	66.2471	38.8316	elongation factor 1 homolog [Source:HGNC Symbol;Acc:HGNC:28	chr19:1166	NM_03237	XM_01702	.	.	NP_11575	XP_01688	protein_co	ENSG0000	84337	28691
ELOVL1	80.6825	73.9584	61.1353	78.0233	65.9483	68.4359	ELOVL fatty acid elongase 1 [Source:HGNC Symbol;Acc:HGNC:144	chr1:43829	NM_00125	.	NR_10679	.	NP_00124	.	protein_co	ENSG0000	102466723	14418
ELOVL2	0	0	0	0	0	0	ELOVL fatty acid elongase 2 [Source:HGNC Symbol;Acc:HGNC:144	chr6:10980	NM_01777	XM_01151	.	.	NP_06024	XP_01151	protein_co	ENSG0000	54898	14416
ELOVL3	9.58158	7.90972	6.74216	12.3417	10.1444	10.2646	ELOVL fatty acid elongase 3 [Source:HGNC Symbol;Acc:HGNC:180	chr10:1039	NM_15231	XM_01154	.	.	NP_68952	XP_01153	protein_co	ENSG0000	83401	18047
ELOVL4	0	0	0	0	0	0	ELOVL fatty acid elongase 4 [Source:HGNC Symbol;Acc:HGNC:144	chr6:80624	NM_02272	.	.	.	NP_07356	.	protein_co	ENSG0000	6785	14415
ELOVL5	61.8212	58.2669	77.0069	69.4949	74.4548	67.2062	ELOVL fatty acid elongase 5 [Source:HGNC Symbol;Acc:HGNC:213	chr6:53132	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	60481	21308
ELOVL6	27.0396	27.5664	29.2989	25.77	28.596	28.7646	ELOVL fatty acid elongase 6 [Source:HGNC Symbol;Acc:HGNC:158	chr4:11096	NM_00113	XM_01153	.	.	NP_00112	XP_01153	protein_co	ENSG0000	79071	15829
ELOVL7	8.14625	7.64383	6.92281	5.94215	8.5632	9.27767	ELOVL fatty acid elongase 7 [Source:HGNC Symbol;Acc:HGNC:262	chr5:60047	NM_00110	XM_01700	.	.	NP_00109	XP_00524	protein_co	ENSG0000	79993	26292
ELP2	25.6814	27.915	33.0048	43.0973	42.4983	51.1643	elongator acetyltransferase complex subunit 2 [Source:HGNC Syn	chr18:3370	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	55250	18248
ELP3	20.15	19.8104	17.6259	20.2056	21.1829	22.6058	elongator acetyltransferase complex subunit 3 [Source:HGNC Syn	chr8:27947	NM_00128	XM_00671	.	.	NP_00127	XP_00671	protein_co	ENSG0000	55140	20696
ELP4	11.8144	11.5107	13.2959	12.3462	16.0816	14.8616	elongator acetyltransferase complex subunit 4 [Source:HGNC Syn	chr11:3153	NM_00128	XM_00525	.	.	NP_00127	.	protein_co	ENSG0000	26610	1171
ELP5	63.683	61.2643	46.1202	69.1116	47.6365	44.5561	elongator acetyltransferase complex subunit 5 [Source:HGNC Syn	chr17:7146	NM_01536	XM_01152	.	.	NP_05617	XP_01152	protein_co	ENSG0000	23587	30617
ELP6	21.2348	23.9825	19.8977	29.4476	21.089	21.3043	elongator acetyltransferase complex subunit 6 [Source:HGNC Syn	chr3:47537	NM_00103	XM_01153	.	.	NP_00102	XP_00526	protein_co	ENSG0000	54859	25976
ELSPBP1	0	0	0	0	0	0	epididymal sperm binding protein 1 [Source:HGNC Symbol;Acc:H	chr19:4849	NM_02214	XM_00672	.	.	NP_07142	.	protein_co	ENSG0000	64100	14417
EMB	5.99688	5.05301	5.63134	5.5512	7.51639	6.76833	embigin [Source:HGNC Symbol;Acc:HGNC:30465]	chr5:49692	NM_19844	XM_01154	.	.	NP_94085	XP_01154	protein_co	ENSG0000	133418	30465
EMC1	25.4882	27.6416	26.5121	26.6197	26.9371	23.2403	ER membrane protein complex subunit 1 [Source:HGNC Symbol;	chr1:19542	NM_00127	XM_00524	.	.	NP_00125	XP_00524	protein_co	ENSG0000	23065	28957
EMC10	87.2399	84.0604	68.1684	97.9312	88.503	66.531	ER membrane protein complex subunit 10 [Source:HGNC Symbol	chr19:5097	NM_17506	.	.	.	NP_77823	.	protein_co	ENSG0000	284361	27609
EMC2	28.9057	21.0196	22.2114	24.2156	31.2488	28.8505	ER membrane protein complex subunit 2 [Source:HGNC Symbol;	chr8:10945	NM_01467	.	.	.	NP_00131	.	protein_co	ENSG0000	9694	28963
EMC3	8.00323	6.5599	5.94257	7.4538	6.25122	4.86359	ER membrane protein complex subunit 3 [Source:HGNC Symbol;	chr3:10004	NM_01844	XM_01153	.	.	NP_06091	XP_01153	protein_co	ENSG0000	55831	23999
EMC4	87.4589	85.7246	72.7697	98.5937	93.3352	78.6123	ER membrane protein complex subunit 4 [Source:HGNC Symbol;	chr15:3451	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	51234	28032
EMC6	105.404	99.5311	87.0133	131.476	104.929	87.9849	ER membrane protein complex subunit 6 [Source:HGNC Symbol;	chr17:3572	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	83460	28430
EMC7	38.5443	33.1472	27.9793	33.8738	34.862	35.3871	ER membrane protein complex subunit 7 [Source:HGNC Symbol;	chr15:3437	NM_02015	.	.	.	NP_06453	.	protein_co	ENSG0000	56851	24301
EMC8	52.784	54.3704	48.2741	65.7523	56.5841	44.6884	ER membrane protein complex subunit 8 [Source:HGNC Symbol;	chr16:8581	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	10328	7864
EMC9	24.1654	24.1867	19.3725	29.4842	21.6609	18.7264	ER membrane protein complex subunit 9 [Source:HGNC Symbol;	chr14:2460	NM_01604	XM_01153	.	.	NP_05713	XP_00526	protein_co	ENSG0000	51016	20273
EMCN	0	0	0	0	0	0	endomucin [Source:HGNC Symbol;Acc:HGNC:16041]	chr4:10131	NM_00115	XM_01153	.	.	NP_00115	XP_01153	protein_co	ENSG0000	51705	16041
EMD	111.788	102.005	89.8596	121.764	108.6	85.1415	emerin [Source:HGNC Symbol;Acc:HGNC:3331]	chrX:15360	NM_00011	.	.	.	NP_00010	.	protein_co	ENSG0000	2010	3331
EME1	12.5899	13.1502	12.1	14.5246	15.1641	10.4999	essential meiotic structure-specific endonuclease 1 [Source:HGN	chr17:4845	NM_00116	XM_01152	.	.	NP_00115	XP_00525	protein_co	ENSG0000	146956	24965
EME2	3.74324	3.7096	5.14441	2.54422	2.22541	2.59427	essential meiotic structure-specific endonuclease subunit 2 [Sour	chr16:1823	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	197342	27289

EMG1	19.6582	19.5294	16.8206	23.0893	18.2455	15.7597	EMG1, N1-specific pseudouridine methyltransferase [Source:HGN	chr12:7080	NM_00633	XM_01152	.	.	NP_006322	.	protein_co	ENSG0000	10436	16912
EMID1	6.38505	5.94762	9.71873	6.16884	5.03432	7.18968	EMI domain containing 1 [Source:HGNC Symbol;Acc:HGNC:18036	chr22:2960	NM_00126	XM_01152	.	.	NP_001254	XP_005261	protein_co	ENSG0000	129080	18036
EMILIN1	0.089196	0.191879	0.153177	0.234296	0.158374	0.051021	elastin microfibril interfacer 1 [Source:HGNC Symbol;Acc:HGNC:1	chr2:27301	NM_00704	XM_00671	.	.	NP_008977	.	protein_co	ENSG0000	11117	19880
EMILIN2	2.85919	2.89894	2.36095	3.25269	2.30745	2.40736	elastin microfibril interfacer 2 [Source:HGNC Symbol;Acc:HGNC:1	chr18:2847	NM_03204	.	.	.	NP_114437	.	protein_co	ENSG0000	84034	19881
EMILIN3	0.020157	0.019879	0	0.021564	0	0	elastin microfibril interfacer 3 [Source:HGNC Symbol;Acc:HGNC:1	chr20:3996	NM_05284	.	.	.	NP_443078	.	protein_co	ENSG0000	90187	16123
EML1	2.17068	2.46147	2.08332	3.68287	4.03074	3.64312	echinoderm microtubule associated protein like 1 [Source:HGNC	chr14:1002	NM_00100	XM_01153	.	.	NP_001008	XP_005267	protein_co	ENSG0000	2009	3330
EML2	29.7694	30.869	27.664	26.881	24.2629	27.2305	echinoderm microtubule associated protein like 2 [Source:HGNC	chr19:4611	NM_00119	XM_01152	NR_02988	.	NP_001180	XP_006723	protein_co	ENSG0000	442902	18035
EML3	23.2124	27.4265	29.3472	18.6272	16.0094	15.7886	echinoderm microtubule associated protein like 3 [Source:HGNC	chr11:6236	NM_00130	XM_01154	.	.	NP_001287	XP_005273	protein_co	ENSG0000	256364	26666
EML4	16.7877	18.8377	21.5087	15.4245	20.5726	22.0415	echinoderm microtubule associated protein like 4 [Source:HGNC	chr2:42396	NM_00114	XM_00671	.	.	NP_001138	XP_005264	protein_co	ENSG0000	27436	1316
EML5	0.729281	0.698338	0.580502	0.440534	0.522757	0.662066	echinoderm microtubule associated protein like 5 [Source:HGNC	chr14:8902	NM_18338	XM_01153	.	.	NP_899243	XP_006720	protein_co	ENSG0000	161436	18197
EML6	1.04269	1.01799	1.57139	0.797576	0.815118	0.855885	echinoderm microtubule associated protein like 6 [Source:HGNC	chr2:54951	NM_00103	XM_01153	.	.	NP_001034	XP_016859	protein_co	ENSG0000	400954	35412
EMP1	10.8488	10.7335	12.9718	12.526	15.6069	16.6048	epithelial membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:3	chr12:1334	NM_00142	.	.	.	NP_001414	.	protein_co	ENSG0000	2012	3333
EMP2	11.4003	10.2606	9.65702	15.6144	16.3504	12.1947	epithelial membrane protein 2 [Source:HGNC Symbol;Acc:HGNC:3	chr16:1062	NM_00142	XM_00672	.	.	NP_001415	XP_006720	protein_co	ENSG0000	2013	3334
EMP3	127.059	125.163	79.372	116.498	76.8534	66.0705	epithelial membrane protein 3 [Source:HGNC Symbol;Acc:HGNC:3	chr19:4882	NM_00131	XM_01152	.	.	NP_001300	XP_011524	protein_co	ENSG0000	2014	3335
EMSY	5.29261	5.61376	5.13607	4.68968	5.59141	5.69169	EMSY, BRCA2 interacting transcriptional repressor [Source:HGNC	chr11:7615	NM_00130	XM_01154	.	.	NP_001287	XP_005274	protein_co	ENSG0000	56946	18071
EMX1	2.11829	1.43199	0.856499	1.14895	1.40614	1.30863	empty spiracles homeobox 1 [Source:HGNC Symbol;Acc:HGNC:33	chr2:73143	NM_00409	.	.	.	NP_004088	.	protein_co	ENSG0000	2016	3340
EMX2	0	0	0	0.034939	0.03689	0	empty spiracles homeobox 2 [Source:HGNC Symbol;Acc:HGNC:33	chr10:1193	NM_00116	.	.	.	NP_001159	.	protein_co	ENSG0000	2018	3341
EN1	0	0	0	0	0	0	engrailed homeobox 1 [Source:HGNC Symbol;Acc:HGNC:3342]	chr2:11959	NM_00142	.	.	.	NP_001417	.	protein_co	ENSG0000	2019	3342
EN2	0.521799	0.457021	0.357867	0.191153	0.397588	0.437447	engrailed homeobox 2 [Source:HGNC Symbol;Acc:HGNC:3343]	chr7:15525	NM_00142	.	.	.	NP_001418	.	protein_co	ENSG0000	2020	3343
ENAH	23.8681	27.0612	26.1208	25.4736	28.5637	30.0898	enabled homolog (Drosophila) [Source:HGNC Symbol;Acc:HGNC:1	chr1:22567	NM_00100	XM_01700	.	.	NP_001008	XP_005273	protein_co	ENSG0000	55740	18271
ENAM	0.012145	0.012914	0	0.013724	0	0	enamelin [Source:HGNC Symbol;Acc:HGNC:3344]	chr4:71494	NM_03188	XM_00671	.	.	NP_114095	XP_006714	protein_co	ENSG0000	10117	3344
ENC1	21.9929	21.6936	29.927	25.273	30.3962	38.3994	ectodermal-neural cortex 1 [Source:HGNC Symbol;Acc:HGNC:334	chr5:73923	NM_00125	XM_01154	.	.	NP_001243	XP_011541	protein_co	ENSG0000	8507	3345
ENDOD1	23.3555	23.6129	28.7725	25.2714	26.7228	29.4702	endonuclease domain containing 1 [Source:HGNC Symbol;Acc:HG	chr11:9482	NM_01503	.	.	.	NP_055851	.	protein_co	ENSG0000	23052	29129
ENDOG	16.735	15.4643	15.7129	18.2897	13.3542	14.9738	endonuclease G [Source:HGNC Symbol;Acc:HGNC:3346]	chr9:13158	NM_00443	.	.	.	NP_004426	.	protein_co	ENSG0000	2021	3346
ENDOU	0.043546	0	0.024676	0.031312	0	0.045416	endonuclease, poly(U) specific [Source:HGNC Symbol;Acc:HGNC:1	chr12:4810	NM_00117	.	.	.	NP_001165	.	protein_co	ENSG0000	8909	14369
ENDOV	10.7735	10.6175	10.7967	12.8229	10.5551	13.8631	endonuclease V [Source:HGNC Symbol;Acc:HGNC:26640]	chr17:7838	NM_00116	XM_01702	.	.	NP_001158	XP_005257	protein_co	ENSG0000	284131	26640
ENG	0	0	0.074461	0	0	0	endoglin [Source:HGNC Symbol;Acc:HGNC:3349]	chr9:13057	NM_00011	.	.	.	NP_000109	.	protein_co	ENSG0000	2022	3349
ENGASE	8.41056	9.16844	10.7115	9.12425	8.63306	6.96331	endo-beta-N-acetylglucosaminidase [Source:HGNC Symbol;Acc:H	chr17:7707	NM_00104	XM_00672	.	.	NP_001036	.	protein_co	ENSG0000	64772	24622
ENHO	8.43104	7.63849	7.88234	9.28291	7.08552	6.06962	energy homeostasis associated [Source:HGNC Symbol;Acc:HGNC:	chr9:34521	NM_19857	.	.	.	NP_940975	.	protein_co	ENSG0000	375704	24838
ENKD1	12.144	10.5768	10.6887	3.07378	2.91618	3.42681	enkurin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25	chr16:6769	NM_03214	.	.	.	NP_115516	.	protein_co	ENSG0000	84080	25246
ENKUR	0.02494	0.026773	0.06526	0.121677	0.181821	0.106091	enkurin, TRPC channel interacting protein [Source:HGNC Symbol;	chr10:2527	NM_00127	XM_01151	.	.	NP_001257	XP_006717	protein_co	ENSG0000	219670	28388
ENO1	1352.36	1383.68	1224.44	1749.6	1455.76	1318.62	enolase 1 [Source:HGNC Symbol;Acc:HGNC:3350]	chr1:89210	NM_00142	XM_00671	.	.	NP_001419	XP_006710	protein_co	ENSG0000	2023	3350
ENO2	30.5932	33.4841	33.8095	16.3285	18.3442	14.6232	enolase 2 [Source:HGNC Symbol;Acc:HGNC:3353]	chr12:7023	NM_00197	.	.	.	NP_001966	.	protein_co	ENSG0000	2026	3353
ENO3	4.60322	4.5218	4.17411	4.41224	2.52517	2.70841	enolase 3 [Source:HGNC Symbol;Acc:HGNC:3354]	chr17:4854	NM_00119	XM_01152	.	.	NP_001180	XP_005256	protein_co	ENSG0000	2027	3354
ENO4	0.128029	0.05361	0.114511	0.028587	0.028868	0.04238	enolase family member 4 [Source:HGNC Symbol;Acc:HGNC:3167	chr10:1184	NM_00124	XM_01153	.	.	NP_001229	XP_006717	protein_co	ENSG0000	387712	31670
ENOPH1	44.1054	43.6064	37.4531	53.2585	45.5492	41.6026	enolase-phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:24599]	chr4:83351	NM_00129	.	.	.	NP_001278	.	protein_co	ENSG0000	58478	24599
ENOSF1	14.2739	13.8902	13.1866	12.2399	10.6687	10.9467	enolase superfamily member 1 [Source:HGNC Symbol;Acc:HGNC:	chr18:6576	NM_00112	XM_01152	.	.	NP_001119	XP_011523	protein_co	ENSG0000	55556	30365
ENOX1	2.35733	2.40529	2.09237	1.87854	2.33104	2.02678	ecto-NOX disulfide-thiol exchanger 1 [Source:HGNC Symbol;Acc:H	chr13:4378	NM_00112	XM_01153	.	.	NP_001121	XP_005266	protein_co	ENSG0000	55068	25474
ENOX2	5.037	4.45438	3.82034	4.30686	4.72456	4.91451	ecto-NOX disulfide-thiol exchanger 2 [Source:HGNC Symbol;Acc:H	chrX:12975	NM_00128	XM_01153	.	.	NP_001268	XP_005262	protein_co	ENSG0000	10495	2259
ENPEP	0.971034	1.03039	0.78613	0.658963	0.734874	0.842331	glutamyl aminopeptidase [Source:HGNC Symbol;Acc:HGNC:3355]	chr4:11139	NM_00197	.	.	.	NP_001968	.	protein_co	ENSG0000	2028	3355
ENPP1	2.55833	2.70177	2.85871	3.03502	2.90262	3.98293	ectonucleotide pyrophosphatase/phosphodiesterase 1 [Source:H	chr6:13212	NM_00620	.	.	.	NP_006199	.	protein_co	ENSG0000	5167	3356
ENPP2	0.078165	0.070858	0.204741	0.205086	0.194695	0.779764	ectonucleotide pyrophosphatase/phosphodiesterase 2 [Source:H	chr8:12056	NM_00104	XM_01701	.	.	NP_001035	XP_006716	protein_co	ENSG0000	5168	3357
ENPP3	0.141573	0.082452	0.10652	0.116624	0.085642	0.08829	ectonucleotide pyrophosphatase/phosphodiesterase 3 [Source:H	chr6:13194	NM_00502	XM_01153	.	.	NP_005012	XP_011534	protein_co	ENSG0000	5169	3358
ENPP4	6.82345	6.75928	7.66077	6.60064	7.531	9.44874	ectonucleotide pyrophosphatase/phosphodiesterase 4 (putative)	chr6:46097	NM_01493	.	.	.	NP_055751	.	protein_co	ENSG0000	22875	3359
ENPP5	3.22429	3.26008	3.74135	2.24284	2.8012	3.51618	ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative)	chr6:46126	NM_00129	XM_01151	.	.	NP_001277	XP_005249	protein_co	ENSG0000	59084	13717
ENPP6	0	0	0.016198	0	0	0.019091	ectonucleotide pyrophosphatase/phosphodiesterase 6 [Source:H	chr4:18500	NM_15334	.	.	.	NP_699174	.	protein_co	ENSG0000	133121	23409
ENPP7	0	0	0	0	0	0	ectonucleotide pyrophosphatase/phosphodiesterase 7 [Source:H	chr17:7770	NM_17854	.	.	.	NP_848638	.	protein_co	ENSG0000	339221	23764
ENSA	93.8126	88.461	71.6768	96.1682	87.007	75.273	endosulfine alpha [Source:HGNC Symbol;Acc:HGNC:3360]	chr1:15057	NM_00443	.	.	.	NP_004427	.	protein_co	ENSG0000	2029	3360
ENTHD1	0	0	0	0.032432	0	0	ENTH domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2635	chr22:4013	NM_15251	XM_01152	.	.	NP_689725	XP_006724	protein_co	ENSG0000	150350	26352
ENTPD1	0.015233	0.032468	0.01322	0.034522	0.0515	0	ectonucleoside triphosphate diphosphohydrolase 1 [Source:HGN	chr10:9747	NM_00109	XM_01154	.	.	NP_001091	XP_011538	protein_co	ENSG0000	953	3363
ENTPD2	8.40523	10.6532	12.6998	8.10224	7.17413	9.90276	ectonucleoside triphosphate diphosphohydrolase 2 [Source:HGN	chr9:13994	NM_00124	XM_01151	.	.	NP_001237	XP_011517	protein_co	ENSG0000	954	3364
ENTPD3	0	0	0	0	0	0	ectonucleoside triphosphate diphosphohydrolase 3 [Source:HGN	chr3:40428	NM_00124	XM_00526	.	.	NP_001239	.	protein_co	ENSG0000	956	3365
ENTPD4	15.4644	15.974	15.7844	11.7522	13.0251	15.3345	ectonucleoside triphosphate diphosphohydrolase 4 [Source:HGN	chr8:23154	NM_00112	.	.	.	NP_001122	.	protein_co	ENSG0000	9583	14573
ENTPD5	5.64195	5.75406	6.3142	4.56179	5.48339	5.8997	ectonucleoside triphosphate diphosphohydrolase 5 [Source:HGN	chr14:7431	NM_00124	XM_01153	.	.	NP_001240	XP_005268	protein_co	ENSG0000	957	3367
ENTPD6	32.902	31.4783	29.6828	34.2641	31.4317	32.4285	ectonucleoside triphosphate diphosphohydrolase 6 (putative) [So	chr20:2517	NM_00111	XM_01702	.	.	NP_001107	XP_005260	protein_co	ENSG0000	955	3368
ENTPD7	6.91129	6.74564	6.61374	7.50138	8.80157	8.07344	ectonucleoside triphosphate diphosphohydrolase 7 [Source:HGN	chr10:1014	NM_02035	.	.	.	NP_065087	.	protein_co	ENSG0000	57089	19745
ENTPD8	0.398568	0.463058	0.821839	0.167539	0.203913	0.294883	ectonucleoside triphosphate diphosphohydrolase 8 [Source:HGN	chr9:14031	NM_00103	XM_01151	.	.	NP_001028	XP_011516	protein_co	ENSG0000	377841	24860
ENY2	129.272	122.094	107.198	148.395	113.735	100.99	ENY2, transcription and export complex 2 subunit [Source:HGNC	chr8:11025	NM_00119	.	.	.	NP_001180	.	protein_co	ENSG0000	56943	24449
EOGT	5.03774	4.48202	4.50685	4.81283	4.29565	4.78309	EGF domain specific O-linked N-acetylglucosamine transferase [S	chr3:69024	NM_00127	XM_01153	.	.	NP_001265	XP_005264	protein_co	ENSG0000	285203	28526

EOMES	1.72505	2.79858	2.54425	2.73702	2.30204	1.60291	eomesodermin [Source:HGNC Symbol;Acc:HGNC:3372]	chr3:2775	NM_00127	XM_00526	.	.	NP_00126	XP_005265	protein_co	ENSG0000	8320	3372
EP300	8.95589	10.011	8.08135	7.34933	7.44508	8.36174	E1A binding protein p300 [Source:HGNC Symbol;Acc:HGNC:3373]	chr22:4148	NM_00142	XM_00672	NR_03169	.	NP_00142	XP_006724	protein_co	ENSG0000	100302237	3373
EP400	8.98215	10.0045	9.03463	8.03864	8.5112	9.12111	E1A binding protein p400 [Source:HGNC Symbol;Acc:HGNC:1195	chr12:1324	NM_0154C	.	.	.	NP_05622	.	protein_co	ENSG0000	57634	11958
EP400NL	1.75131	1.67365	2.26487	1.52356	1.07838	1.20228	EP400 N-terminal like [Source:HGNC Symbol;Acc:HGNC:26602]	chr12:1329	.	.	.	.	.	.	protein_co	ENSG0000	.	26602
EPAS1	7.49967	7.89295	9.98432	7.78492	7.21221	8.33504	endothelial PAS domain protein 1 [Source:HGNC Symbol;Acc:HGN	chr2:46524	NM_00143	XM_01153	.	.	NP_00142	XP_011531	protein_co	ENSG0000	2034	3374
EPB41	16.0456	15.9221	18.7267	8.21874	9.30858	9.601	erythrocyte membrane protein band 4.1 [Source:HGNC Symbol;A	chr1:29213	NM_00116	XM_01154	.	.	NP_00115	XP_005245	protein_co	ENSG0000	2035	3377
EPB41L1	8.93865	8.533	11.5263	10.2094	9.31914	8.39545	erythrocyte membrane protein band 4.1 like 1 [Source:HGNC Syn	chr20:3467	NM_00125	XM_01702	.	.	NP_00124	XP_011526	protein_co	ENSG0000	2036	3378
EPB41L2	25.4264	29.8917	27.5007	26.4769	28.0816	27.2501	erythrocyte membrane protein band 4.1 like 2 [Source:HGNC Syn	chr6:13116	NM_00113	XM_01701	.	.	NP_00112	XP_006715	protein_co	ENSG0000	2037	3379
EPB41L3	0	0	0	0	0	0	erythrocyte membrane protein band 4.1 like 3 [Source:HGNC Syn	chr18:5392	NM_00128	XM_01702	.	.	NP_00126	XP_011523	protein_co	ENSG0000	23136	3380
EPB41L4A	2.36998	2.01527	2.36316	1.00194	1.01875	1.22803	erythrocyte membrane protein band 4.1 like 4A [Source:HGNC Sy	chr5:11149	NM_02214	XM_01154	.	.	NP_07142	XP_011541	protein_co	ENSG0000	64097	13278
EPB41L4A-AS2	0.123409	0.692736	0.419345	0.128847	0	0	EPB41L4A antisense RNA 2 (head to head) [Source:HGNC Symbol	chr5:11175	.	.	NR_02770	.	.	.	lincRNA	ENSG0000	54508	25643
EPB41L4B	7.02071	6.141	6.21888	6.37431	7.81109	5.73181	erythrocyte membrane protein band 4.1 like 4B [Source:HGNC Sy	chr9:11193	NM_01842	XM_01701	.	.	NP_06089	XP_011517	protein_co	ENSG0000	54566	19818
EPB41L5	6.11993	6.14324	7.60281	6.131	7.56917	7.93099	erythrocyte membrane protein band 4.1 like 5 [Source:HGNC Syn	chr2:12077	NM_00118	XM_01700	.	.	NP_00117	XP_006712	protein_co	ENSG0000	57669	19819
EPB42	0	0	0	0	0	0	erythrocyte membrane protein band 4.2 [Source:HGNC Symbol;A	chr15:4347	NM_00011	XM_01152	.	.	NP_00011	XP_005254	protein_co	ENSG0000	2038	3381
EPC1	6.429	6.01054	4.74322	5.54946	6.31234	6.84702	enhancer of polycomb homolog 1 [Source:HGNC Symbol;Acc:HGN	chr10:3255	NM_00127	XM_00671	NR_10416	.	NP_00125	XP_006717	protein_co	ENSG0000	80314	19876
EPC2	7.75922	6.53245	6.63787	5.73867	6.61476	6.78959	enhancer of polycomb homolog 2 [Source:HGNC Symbol;Acc:HGN	chr2:14940	NM_01563	XM_01151	.	.	NP_05644	XP_011509	protein_co	ENSG0000	26122	24543
EPCAM	168.735	173.283	136.309	185.133	181.033	175.636	epithelial cell adhesion molecule [Source:HGNC Symbol;Acc:HGN	chr2:47572	NM_00235	.	.	.	NP_00234	.	protein_co	ENSG0000	4072	11529
EPDR1	10.3893	11.0497	8.46666	11.4579	10.0504	7.46313	ependymin related 1 [Source:HGNC Symbol;Acc:HGNC:17572]	chr7:37723	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	54749	17572
EPG5	2.43794	2.74341	2.83379	1.59479	1.77663	2.29859	ectopic P-granules autophagy protein 5 homolog [Source:HGNC S	chr18:4342	NM_02096	XM_01152	.	.	NP_06601	XP_011524	protein_co	ENSG0000	57724	29331
EPGN	0.411911	0.076362	0.06198	0.242245	0.079079	0.448897	epithelial mitogen [Source:HGNC Symbol;Acc:HGNC:17470]	chr4:75174	NM_00127	XM_01153	.	.	NP_00125	XP_005265	protein_co	ENSG0000	255324	17470
EPHA1	6.72767	6.20423	8.00507	8.02593	6.54662	8.52962	EPH receptor A1 [Source:HGNC Symbol;Acc:HGNC:3385]	chr7:14308	NM_00523	XM_00671	.	.	NP_00522	XP_006715	protein_co	ENSG0000	2041	3385
EPHA10	3.39153	2.84564	3.67249	3.09844	2.6723	2.38886	EPH receptor A10 [Source:HGNC Symbol;Acc:HGNC:19987]	chr1:38181	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	284656	19987
EPHA2	35.3267	36.2323	45.1126	29.0662	28.1263	45.3569	EPH receptor A2 [Source:HGNC Symbol;Acc:HGNC:3386]	chr1:16450	NM_00132	.	.	.	NP_00131	XP_016856	protein_co	ENSG0000	1969	3386
EPHA3	0	0	0	0	0	0	EPH receptor A3 [Source:HGNC Symbol;Acc:HGNC:3387]	chr3:89156	NM_00523	XM_00526	.	.	NP_00522	XP_005264	protein_co	ENSG0000	2042	3387
EPHA4	1.45251	1.761	1.30471	1.70399	2.03528	1.97188	EPH receptor A4 [Source:HGNC Symbol;Acc:HGNC:3388]	chr2:22228	NM_00130	XM_00524	.	.	NP_00129	XP_005246	protein_co	ENSG0000	2043	3388
EPHA5	0	0	0	0	0	0	EPH receptor A5 [Source:HGNC Symbol;Acc:HGNC:3389]	chr4:66185	NM_00128	XM_01153	.	.	NP_00126	XP_005265	protein_co	ENSG0000	2044	3389
EPHA6	0	0	0	0	0	0	EPH receptor A6 [Source:HGNC Symbol;Acc:HGNC:19296]	chr3:96533	NM_00108	XM_00671	.	.	NP_00107	XP_006713	protein_co	ENSG0000	285220	19296
EPHA7	0	0.013219	0	0.014058	0	0	EPH receptor A7 [Source:HGNC Symbol;Acc:HGNC:3390]	chr6:93949	NM_00128	XM_01701	.	.	NP_00127	XP_005248	protein_co	ENSG0000	2045	3390
EPHA8	0.05393	0.097405	0.142569	0.161649	0.061018	0.156738	EPH receptor A8 [Source:HGNC Symbol;Acc:HGNC:3391]	chr1:22890	NM_00100	XM_01154	.	.	NP_00100	XP_011539	protein_co	ENSG0000	2046	3391
EPHB1	0.014327	0.029278	0.042548	0.133	0.056493	0.030085	EPH receptor B1 [Source:HGNC Symbol;Acc:HGNC:3392]	chr3:13451	NM_00444	XM_01151	.	.	NP_00443	.	protein_co	ENSG0000	2047	3392
EPHB2	8.26991	8.83058	11.1738	8.59059	7.81243	7.57528	EPH receptor B2 [Source:HGNC Symbol;Acc:HGNC:3393]	chr1:23037	NM_00130	XM_00671	.	.	NP_00129	XP_006710	protein_co	ENSG0000	2048	3393
EPHB3	2.62297	2.26897	2.68018	3.24521	2.83788	2.54774	EPH receptor B3 [Source:HGNC Symbol;Acc:HGNC:3394]	chr3:18427	NM_00444	.	.	.	NP_00443	.	protein_co	ENSG0000	2049	3394
EPHB4	25.1051	27.3458	26.8403	31.7051	29.884	26.1862	EPH receptor B4 [Source:HGNC Symbol;Acc:HGNC:3395]	chr7:10040	NM_00444	.	.	.	NP_00443	XP_016867	protein_co	ENSG0000	2050	3395
EPHB6	4.37189	3.91527	4.91198	5.17018	5.21217	5.25267	EPH receptor B6 [Source:HGNC Symbol;Acc:HGNC:3396]	chr7:14255	NM_00128	XM_01151	.	.	NP_00126	XP_006715	protein_co	ENSG0000	2051	3396
EPHX1	26.3463	28.2001	22.3582	30.4918	26.6131	27.9245	epoxide hydrolase 1 [Source:HGNC Symbol;Acc:HGNC:3401]	chr1:22599	NM_00012	.	.	.	NP_00011	.	protein_co	ENSG0000	2052	3401
EPHX2	6.62143	6.1747	7.58189	5.47981	2.91791	3.0011	epoxide hydrolase 2 [Source:HGNC Symbol;Acc:HGNC:3402]	chr8:27348	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	2053	3402
EPHX3	0.050737	0	0	0	0	0.054856	epoxide hydrolase 3 [Source:HGNC Symbol;Acc:HGNC:23760]	chr19:1533	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	79852	23760
EPHX4	3.4219	2.72332	1.90892	2.42763	2.22708	2.25246	epoxide hydrolase 4 [Source:HGNC Symbol;Acc:HGNC:23758]	chr1:92495	NM_17356	.	.	.	NP_77583	.	protein_co	ENSG0000	253152	23758
EPM2A	1.58253	1.33963	1.78121	1.59886	1.55437	2.71837	epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)	chr6:14594	NM_00101	XM_01153	.	.	NP_00101	XP_011534	protein_co	ENSG0000	7957	3413
EPM2AIP1	6.5034	6.22241	5.7972	4.73933	6.63113	5.41953	EPM2A interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:19	chr3:37026	NM_0148C	.	.	.	NP_05562	.	protein_co	ENSG0000	9852	19735
EPN1	41.8636	42.148	39.7849	27.6993	23.0259	22.3053	epsin 1 [Source:HGNC Symbol;Acc:HGNC:21604]	chr19:5618	NM_00113	XM_01702	.	.	NP_00112	XP_005258	protein_co	ENSG0000	29924	21604
EPN2	13.0113	15.5418	16.7091	15.8049	13.5855	16.2965	epsin 2 [Source:HGNC Symbol;Acc:HGNC:18639]	chr17:1914	NM_0011C	.	.	.	NP_00109	.	protein_co	ENSG0000	22905	18639
EPN3	7.4897	8.02475	9.91153	8.08739	7.51024	6.58185	epsin 3 [Source:HGNC Symbol;Acc:HGNC:18235]	chr17:4860	NM_01795	.	.	.	NP_06042	.	protein_co	ENSG0000	55040	18235
EPO	0.307104	0.183416	0.159329	0.132672	0.141634	0.133926	erythropoietin [Source:HGNC Symbol;Acc:HGNC:3415]	chr7:10031	NM_00079	.	.	.	NP_00079	.	protein_co	ENSG0000	2056	3415
EPOR	8.91375	8.41116	9.08957	7.82066	8.75731	5.98806	erythropoietin receptor [Source:HGNC Symbol;Acc:HGNC:3416]	chr19:1148	NM_00012	.	.	.	NP_00011	.	protein_co	ENSG0000	2057	3416
EPPIN	0	0	0	0	0	0	epididymal peptidase inhibitor [Source:HGNC Symbol;Acc:HGNC:	chr20:4416	NM_02039	.	.	.	NP_06513	.	protein_co	ENSG0000	57119	15932
EPPIN-WFDC6	0	0	0	0	0	0	EPPIN-WFDC6 readthrough [Source:HGNC Symbol;Acc:HGNC:388	chr20:4416	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	10052677	38825
EPPK1	9.59356	11.4356	15.5921	9.22488	9.79392	9.78839	epiplakin 1 [Source:HGNC Symbol;Acc:HGNC:15577]	chr8:14493	NM_03130	XM_01701	.	.	NP_11259	XP_011515	protein_co	ENSG0000	83481	15577
EPRS	62.0719	62.0633	54.6542	54.5909	56.0432	82.3156	glutamyl-prolyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGN	chr1:22014	NM_00444	.	.	.	NP_00443	.	protein_co	ENSG0000	2058	3418
EPS15	10.205	11.1795	10.7393	8.93624	11.3829	14.3795	epidermal growth factor receptor pathway substrate 15 [Source:	chr1:51819	NM_00198	XM_00527	.	.	NP_00197	XP_005270	protein_co	ENSG0000	2060	3419
EPS15L1	10.5307	11.0325	10.6612	12.18	10.9402	8.34901	epidermal growth factor receptor pathway substrate 15 like 1 [So	chr19:1646	NM_00125	.	.	.	NP_00124	XP_016882	protein_co	ENSG0000	58513	24634
EPS8	18.8386	18.752	16.7965	18.3603	17.2294	16.6315	epidermal growth factor receptor pathway substrate 8 [Source:H	chr12:1577	NM_00444	XM_01152	.	.	NP_00443	XP_005253	protein_co	ENSG0000	2059	3420
EPS8L1	8.72329	8.8799	10.9092	7.63833	5.91249	9.09547	EPS8 like 1 [Source:HGNC Symbol;Acc:HGNC:21295]	chr19:5558	NM_01772	XM_01152	.	.	NP_06019	XP_005259	protein_co	ENSG0000	54869	21295
EPS8L2	43.1473	44.3499	60.8405	40.1192	33.0047	30.2033	EPS8 like 2 [Source:HGNC Symbol;Acc:HGNC:21296]	chr11:7061	NM_02277	XM_01701	.	.	NP_07360	XP_016873	protein_co	ENSG0000	64787	21296
EPS8L3	0.032723	0.032549	0.102658	0.104548	0.07536	0.128494	EPS8 like 3 [Source:HGNC Symbol;Acc:HGNC:21297]	chr1:11029	NM_00131	XM_01700	.	.	NP_00130	XP_011540	protein_co	ENSG0000	79574	21297
EPSTI1	0.473337	0.350532	0.22731	0.262071	0.290563	0.564823	epithelial stromal interaction 1 (breast) [Source:HGNC Symbol;Ac	chr13:4346	NM_00100	XM_01702	.	.	NP_00100	XP_005266	protein_co	ENSG0000	94240	16465
EPT1	23.9244	25.0766	21.8862	23.8197	30.682	29.8849	ethanolaminephosphotransferase 1 [Source:HGNC Symbol;Acc:H	chr2:26531	NM_0335C	.	.	.	NP_27704	.	protein_co	ENSG0000	85465	29361
EPX	0	0	0	0.062926	0	0	eosinophil peroxidase [Source:HGNC Symbol;Acc:HGNC:3423]	chr17:5627	NM_0005C	.	.	.	NP_00049	.	protein_co	ENSG0000	8288	3423
EPYC	0	0	0	0	0	0	epiphycan [Source:HGNC Symbol;Acc:HGNC:3053]	chr12:9135	NM_00495	XM_01153	.	.	NP_00494	XP_011536	protein_co	ENSG0000	1833	3053

EQTN	0	0	0	0	0	0	equatorin [Source:HGNC Symbol;Acc:HGNC:1359]	chr9:27284	NM_00116	.	.	.		NP_00115	.	protein_co	ENSG0000	54586	1359
ERAL1	32.2193	32.565	30.4575	36.5979	31.5209	24.7092	Era like 12S mitochondrial rRNA chaperone 1 [Source:HGNC Symb	chr17:2708	NM_00131	.	.	.		NP_00130	.	protein_co	ENSG0000	26284	3424
ERAP1	8.17263	8.30075	4.9819	3.84314	5.27827	2.81332	endoplasmic reticulum aminopeptidase 1 [Source:HGNC Symbol;	chr5:95997	NM_00104	XM_01154	.	.		NP_00103	XP_005272	protein_co	ENSG0000	51752	18173
ERAP2	1.27408	1.39232	0.677842	1.01997	1.28884	0.616674	endoplasmic reticulum aminopeptidase 2 [Source:HGNC Symbol;	chr5:96211	NM_00113	XM_01154	.	.		NP_00112	XP_011541	protein_co	ENSG0000	64167	29499
ERAS	0.101781	0	0.104452	0.130154	0.118358	0	ES cell expressed Ras [Source:HGNC Symbol;Acc:HGNC:5174]	chrX:48684	NM_18153	.	.	.		NP_85351	.	protein_co	ENSG0000	3266	5174
ERBB2	21.3307	21.3362	20.8515	21.1834	19.6125	18.5807	erb-b2 receptor tyrosine kinase 2 [Source:HGNC Symbol;Acc:HGN	chr17:3782	NM_00100	.	.	.		NP_00100	.	protein_co	ENSG0000	2064	3430
ERBB3	11.3994	10.8954	11.1721	9.60564	8.00185	11.2884	erb-b2 receptor tyrosine kinase 3 [Source:HGNC Symbol;Acc:HGN	chr12:5647	NM_00100	.	.	.		NP_00100	.	protein_co	ENSG0000	2065	3431
ERBB4	0.006794	0.029311	0.047285	0	0	0.006563	erb-b2 receptor tyrosine kinase 4 [Source:HGNC Symbol;Acc:HGN	chr2:21224	NM_00104	XM_01700	.	.		NP_00103	XP_005246	protein_co	ENSG0000	2066	3432
ERBIN	13.959	13.8482	14.3781	13.2283	16.6152	20.0894	erbb2 interacting protein [Source:HGNC Symbol;Acc:HGNC:15842	chr5:65222	NM_00100	XM_01700	.	.		NP_00100	XP_005248	protein_co	ENSG0000	55914	15842
ERC1	7.00279	7.05832	7.68168	6.93703	7.09112	7.439	ELKS/RAB6-interacting/CAST family member 1 [Source:HGNC Sym	chr12:1100	NM_00130	XM_01701	.	.		NP_00128	XP_011519	protein_co	ENSG0000	23085	17072
ERC2	0	0	0	0	0	0	ELKS/RAB6-interacting/CAST family member 2 [Source:HGNC Sym	chr3:55542	NM_01557	XM_01153	.	.		NP_05639	XP_016861	protein_co	ENSG0000	26059	31922
ERCC1	37.3761	38.6728	51.6151	40.0683	34.0924	41.6139	ERCC excision repair 1, endonuclease non-catalytic subunit [Sour	chr19:4588	NM_00116	XM_01152	.	.		NP_00115	XP_005258	protein_co	ENSG0000	2067	3433
ERCC2	18.2815	19.1767	21.6655	19.4628	14.9829	17.8098	ERCC excision repair 2, TFIIH core complex helicase subunit [Sour	chr19:4584	NM_00040	XM_01702	.	.		NP_00039	XP_011524	protein_co	ENSG0000	2068	3434
ERCC3	28.2478	28.0807	25.6051	34.205	31.684	26.1684	ERCC excision repair 3, TFIIH core complex helicase subunit [Sour	chr2:12801	NM_00012	XM_01151	.	.		NP_00011	XP_011509	protein_co	ENSG0000	2071	3435
ERCC4	2.25427	2.8138	2.94265	1.83348	2.63589	3.14273	ERCC excision repair 4, endonuclease catalytic subunit [Source:H	chr16:1401	NM_00523	XM_01152	.	.		NP_00522	XP_011520	protein_co	ENSG0000	2072	3436
ERCC5	6.37676	6.2813	6.19222	5.23476	5.94912	5.19194	ERCC excision repair 5, endonuclease [Source:HGNC Symbol;Acc:	chr13:1034	NM_00012	.	.	.		NP_00011	.	protein_co	ENSG0000	2073	3437
ERCC6	3.3926	3.90686	3.96658	3.55664	4.14218	4.28597	ERCC excision repair 6, chromatin remodeling factor [Source:HGN	chr10:5066	NM_00012	.	.	.		NP_00011	.	protein_co	ENSG0000	2074	3438
ERCC6L	7.97114	8.39009	6.79622	9.88881	11.67	8.57551	ERCC excision repair 6 like, spindle assembly checkpoint helicase	chrX:71401	NM_01766	.	.	.		NP_06013	.	protein_co	ENSG0000	54821	20794
ERCC6L2	2.61569	2.54647	2.52046	2.10783	2.3105	2.63117	ERCC excision repair 6 like 2 [Source:HGNC Symbol;Acc:HGNC:26	chr9:98637	NM_00101	XM_01151	.	.		NP_00101	.	protein_co	ENSG0000	375748	26922
ERCC8	6.09446	5.91914	5.92586	7.19344	6.58618	7.50797	ERCC excision repair 8, CSA ubiquitin ligase complex subunit [Sou	chr5:60169	NM_00008	.	.	.		NP_00007	.	protein_co	ENSG0000	1161	3439
EREG	168.135	193.992	181.227	131.955	140.572	193.357	epiregulin [Source:HGNC Symbol;Acc:HGNC:3443]	chr4:75230	NM_00143	.	.	.		NP_00142	.	protein_co	ENSG0000	2069	3443
ERF	48.7021	49.4865	42.0295	50.3306	45.976	37.6548	ETS2 repressor factor [Source:HGNC Symbol;Acc:HGNC:3444]	chr19:4273	NM_00130	XM_01702	.	.		NP_00128	XP_005258	protein_co	ENSG0000	2077	3444
ERFE	2.22649	3.7351	2.56911	2.88447	1.17103	3.11515	erythroferrone [Source:HGNC Symbol;Acc:HGNC:26727]	chr2:23906	NM_00129	.	.	.		NP_00127	.	protein_co	ENSG0000	151176	26727
ERG	0	0	0	0	0	0	ERG, ETS transcription factor [Source:HGNC Symbol;Acc:HGNC:34	chr21:3975	NM_00113	XM_01152	NR_11194	.		NP_00112	XP_011527	protein_co	ENSG0000	2078	3446
ERGIC1	43.1813	43.9873	47.5013	44.4823	40.9963	43.3006	endoplasmic reticulum-golgi intermediate compartment 1 [Sourc	chr5:17226	NM_00103	XM_01153	.	.		NP_00102	XP_011532	protein_co	ENSG0000	57222	29205
ERGIC2	8.03721	8.48583	8.22818	8.49943	9.36107	10.9709	ERGIC and golgi 2 [Source:HGNC Symbol;Acc:HGNC:30208]	chr12:2949	NM_01657	.	.	.		NP_05765	.	protein_co	ENSG0000	51290	30208
ERGIC3	106.227	107.498	110.91	123.822	99.0139	107.539	ERGIC and golgi 3 [Source:HGNC Symbol;Acc:HGNC:15927]	chr20:3412	NM_01596	.	.	.		NP_05705	.	protein_co	ENSG0000	51614	15927
ERH	202.128	196.463	186.081	240.281	224.14	240.36	enhancer of rudimentary homolog (Drosophila) [Source:HGNC Sy	chr14:6984	NM_00445	.	.	.		NP_00444	.	protein_co	ENSG0000	2079	3447
ERI1	16.8753	16.2401	21.2586	18.506	22.9376	20.9649	exoribonuclease 1 [Source:HGNC Symbol;Acc:HGNC:23994]	chr8:88596	NM_15333	XM_01154	.	.		NP_69916	XP_005272	protein_co	ENSG0000	90459	23994
ERI2	12.0181	12.5434	12.9487	12.5792	15.899	13.6687	ERI1 exoribonuclease family member 2 [Source:HGNC Symbol;Ac	chr16:2077	NM_00114	.	.	.		NP_00113	.	protein_co	ENSG0000	112479	30541
ERI3	37.3549	37.4618	28.4851	39.4318	33.6433	27.9909	ERI1 exoribonuclease family member 3 [Source:HGNC Symbol;Ac	chr1:44686	NM_00130	XM_01700	.	.		NP_00128	XP_005271	protein_co	ENSG0000	79033	17276
ERICH1	9.02712	8.09083	8.82758	7.61738	7.53036	6.43958	glutamate rich 1 [Source:HGNC Symbol;Acc:HGNC:27234]	chr8:56474	NM_20733	XM_01153	.	.		NP_00129	XP_011533	protein_co	ENSG0000	157697	27234
ERICH2	0.578916	0.972534	1.3434	1.28462	0.395095	2.46677	glutamate rich 2 [Source:HGNC Symbol;Acc:HGNC:44395]	chr2:17164	NM_00128	.	.	.		NP_00127	.	protein_co	ENSG0000	285141	44395
ERICH3	0	0	0	0	0	0	glutamate rich 3 [Source:HGNC Symbol;Acc:HGNC:25346]	chr1:75033	NM_00100	XM_01154	.	.		NP_00100	XP_016855	protein_co	ENSG0000	127254	25346
ERICH4	0.066474	0	0	0.072295	0	0	glutamate rich 4 [Source:HGNC Symbol;Acc:HGNC:34497]	chr19:4194	NM_00113	.	.	.		NP_00112	.	protein_co	ENSG0000	100170765	34497
ERICH5	5.52875	6.48292	5.56795	9.10405	8.07376	6.80095	glutamate rich 5 [Source:HGNC Symbol;Acc:HGNC:26823]	chr8:99076	NM_00117	.	.	.		NP_00116	.	protein_co	ENSG0000	203111	26823
ERICH6	0	0.033304	0	0	0	0	glutamate rich 6 [Source:HGNC Symbol;Acc:HGNC:28602]	chr3:15037	NM_00130	XM_00524	.	.		NP_00129	XP_005247	protein_co	ENSG0000	131831	28602
ERICH6B	0	0	0	0	0	0	glutamate rich 6B [Source:HGNC Symbol;Acc:HGNC:26523]	chr13:4611	NM_18254	XM_01702	.	.		NP_87234	XP_011533	protein_co	ENSG0000	220081	26523
ERLEC1	17.7871	17.6661	16.7843	15.4618	17.6677	20.0271	endoplasmic reticulum lectin 1 [Source:HGNC Symbol;Acc:HGNC:	chr2:53897	NM_00112	XM_01153	.	.		NP_00112	XP_011531	protein_co	ENSG0000	27248	25222
ERLIN1	32.404	34.0832	28.2388	34.7372	34.2282	30.4921	ER lipid raft associated 1 [Source:HGNC Symbol;Acc:HGNC:16947	chr10:1019	NM_00110	XM_01153	.	.		NP_00109	XP_005269	protein_co	ENSG0000	10613	16947
ERLIN2	10.1802	10.9551	9.53566	9.46542	10.4042	10.4734	ER lipid raft associated 2 [Source:HGNC Symbol;Acc:HGNC:1356]	chr8:37594	NM_00100	XM_00671	.	.		NP_00100	XP_005273	protein_co	ENSG0000	11160	1356
ERMAP	2.2759	1.52829	1.55389	1.26647	1.13366	1.9629	erythroblast membrane associated protein (Scianna blood group)	chr1:43272	NM_00101	XM_01154	.	.		NP_00101	XP_006710	protein_co	ENSG0000	114625	15743
ERMARD	9.90649	9.01807	10.3021	8.01215	9.23837	8.19625	ER membrane associated RNA degradation [Source:HGNC Symbo	chr6:17015	NM_00127	XM_01153	.	.		NP_00126	XP_011534	protein_co	ENSG0000	55780	21056
ERMN	0	0	0	0	0	0	ermin [Source:HGNC Symbol;Acc:HGNC:29208]	chr2:15817	NM_00100	.	.	.		NP_00100	.	protein_co	ENSG0000	57471	29208
ERMP1	13.9164	14.5315	15.9834	13.322	16.1503	21.5296	endoplasmic reticulum metallopeptidase 1 [Source:HGNC Symbo	chr9:57845	NM_02489	XM_01701	.	.		NP_07917	XP_005251	protein_co	ENSG0000	79956	23703
ERN1	5.67199	6.53839	4.89016	5.54985	5.57999	7.89661	endoplasmic reticulum to nucleus signaling 1 [Source:HGNC Symb	chr17:6211	NM_00143	.	.	.		NP_00142	XP_016879	protein_co	ENSG0000	2081	3449
ERN2	0.13833	0.091082	0.019858	0	0.053581	0.127593	endoplasmic reticulum to nucleus signaling 2 [Source:HGNC Symb	chr16:2369	NM_00130	XM_01154	.	.		NP_00129	XP_005255	protein_co	ENSG0000	10595	16942
ERO1A	28.4364	28.7757	25.0281	23.7361	28.7354	32.0175	endoplasmic reticulum oxidoreductase 1 alpha [Source:HGNC Syr	chr14:5310	NM_01458	XM_01153	.	.		NP_05539	XP_011534	protein_co	ENSG0000	30001	13280
ERO1B	3.4491	3.07527	2.20623	2.22136	3.06082	3.90019	endoplasmic reticulum oxidoreductase 1 beta [Source:HGNC Sym	chr1:23637	NM_01989	.	.	.		NP_06394	.	protein_co	ENSG0000	56605	14355
ERP27	0.064936	0	0	0.081015	0	0.072952	endoplasmic reticulum protein 27 [Source:HGNC Symbol;Acc:HG	chr12:1506	NM_00130	.	.	.		NP_00128	.	protein_co	ENSG0000	121506	26495
ERP29	126.851	122.505	95.661	130.692	104.679	143.592	endoplasmic reticulum protein 29 [Source:HGNC Symbol;Acc:HG	chr12:1124	NM_00103	.	.	.		NP_00102	XP_016874	protein_co	ENSG0000	10961	13799
ERP44	9.01357	8.7785	6.8359	8.26389	9.27304	8.24219	endoplasmic reticulum protein 44 [Source:HGNC Symbol;Acc:HG	chr9:10274	NM_01505	.	.	.		NP_05586	.	protein_co	ENSG0000	23071	18311
ERRFI1	236.514	238.985	302.979	244.447	280.601	414.988	ERBB receptor feedback inhibitor 1 [Source:HGNC Symbol;Acc:HG	chr1:80644	NM_01894	XM_00671	.	.		NP_06182	XP_005263	protein_co	ENSG0000	54206	18185
ERV3-1	2.72384	2.79962	3.0137	2.46691	2.5739	3.28251	endogenous retrovirus group 3 member 1 [Source:HGNC Symbol;	chr7:64432	NM_00100	.	.	.		NP_00100	.	protein_co	ENSG0000	2086	3454
ERVFRD-1	0	0	0	0	0	0	endogenous retrovirus group FRD member 1 [Source:HGNC Symb	chr6:11094	NM_20758	.	.	.		NP_99746	.	protein_co	ENSG0000	405754	33823
ERVK3-1	28.9041	28.3614	21.5784	31.801	27.5807	18.8813	endogenous retrovirus group K3 member 1 [Source:HGNC Symbo	chr19:5881	.	.	.	.		.	.	protein_co	ENSG0000	.	30466
ERVMER34-1	15.1464	14.261	14.8811	15.1763	19.0751	13.8034	endogenous retrovirus group MER34 member 1 [Source:HGNC Sy	chr4:53608	NM_00124	.	.	.		NP_00122	.	protein_co	ENSG0000	100288413	42970
ERVV-1	0	0	0	0	0	0	endogenous retrovirus group V member 1 [Source:HGNC Symbol;	chr19:5351	NM_15247	.	.	.		NP_68968	.	protein_co	ENSG0000	147664	26501
ERVV-2	0	0	0	0	0	0	endogenous retrovirus group V member 2 [Source:HGNC Symbol;	chr19:5354	NM_00119	.	.	.		NP_00117	.	protein_co	ENSG0000	100271846	39051

ERVW-1	0	0	0	0	0	0	endogenous retrovirus group W member 1 [Source:HGNC Symbo	chr7:92097	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	30816	13525
ESAM	4.36616	3.43235	3.30093	4.42097	2.82339	3.04824	endothelial cell adhesion molecule [Source:HGNC Symbol;Acc:HG	chr11:1246	NM_13896	XM_01154	.	.	NP_62041	XP_011541	protein_co	ENSG0000	90952	17474
ESCO1	7.94035	7.56431	8.52494	6.45379	8.30301	12.5765	establishment of sister chromatid cohesion N-acetyltransferase 1	chr18:1910	NM_05291	XM_01152	.	.	NP_44314	XP_011524	protein_co	ENSG0000	114799	24645
ESCO2	11.0648	10.0763	9.63727	16.622	15.993	12.7936	establishment of sister chromatid cohesion N-acetyltransferase 2	chr8:27631	NM_00101	XM_01154	.	.	NP_00101	XP_011542	protein_co	ENSG0000	157570	27230
ESD	109.38	104.029	102.535	91.56	92.1868	101.363	esterase D [Source:HGNC Symbol;Acc:HGNC:3465]	chr13:4734	NM_00198	XM_01153	.	.	NP_00197	XP_005266	protein_co	ENSG0000	2098	3465
ESF1	15.9242	14.1004	12.7189	14.8198	16.8816	11.4981	ESF1 nucleolar pre-rRNA processing protein homolog [Source:HG	chr20:1369	NM_00127	.	.	.	NP_00126	XP_016883	protein_co	ENSG0000	51575	15898
ESM1	0	0	0	0	0	0	endothelial cell specific molecule 1 [Source:HGNC Symbol;Acc:HG	chr5:54273	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	11082	3466
ESPL1	13.3027	13.3803	10.4327	16.9994	16.147	12.9942	extra spindle pole bodies like 1, separase [Source:HGNC Symbol;A	chr12:5366	NM_01229	XM_01702	.	.	NP_03642	XP_006719	protein_co	ENSG0000	9700	16856
ESPN	23.4991	25.1945	30.6775	21.4281	18.6863	19.5032	espin [Source:HGNC Symbol;Acc:HGNC:13281]	chr1:64848	NM_03147	XM_01154	.	.	NP_11366	XP_005263	protein_co	ENSG0000	83715	13281
ESPNL	0.069461	0.056712	0.164527	0.177255	0.139824	0.188098	espin-like [Source:HGNC Symbol;Acc:HGNC:27937]	chr2:23900	NM_00130	XM_00671	.	.	NP_00129	XP_005246	protein_co	ENSG0000	339768	27937
ESR1	0	0.013714	0.033987	0	0	0	estrogen receptor 1 [Source:HGNC Symbol;Acc:HGNC:3467]	chr6:15201	NM_00012	XM_01153	.	.	NP_00011	XP_006715	protein_co	ENSG0000	2099	3467
ESR2	0.014036	0.053449	0	0.078171	0.037174	0.01923	estrogen receptor 2 [Source:HGNC Symbol;Acc:HGNC:3468]	chr14:6431	NM_00104	XM_01153	.	.	NP_00103	XP_011534	protein_co	ENSG0000	2100	3468
ESRP1	45.2306	47.2137	41.0812	52.2213	54.5559	74.2289	epithelial splicing regulatory protein 1 [Source:HGNC Symbol;Acc	chr8:95653	NM_00103	XM_00525	.	.	NP_00103	XP_005251	protein_co	ENSG0000	54845	25966
ESRP2	19.1062	18.9106	18.0534	20.8346	17.5645	14.8199	epithelial splicing regulatory protein 2 [Source:HGNC Symbol;Acc	chr16:6811	NM_02493	XM_01152	NR_10683	.	NP_07921	XP_005256	protein_co	ENSG0000	102466194	26152
ESRRA	38.2801	36.3022	35.5747	33.6922	32.5178	27.8718	estrogen related receptor alpha [Source:HGNC Symbol;Acc:HGNC	chr11:6407	NM_00128	.	.	.	NP_00126	XP_016872	protein_co	ENSG0000	2101	3471
ESRRB	0.171785	0.522664	0.593717	0.266741	0.253715	0.442455	estrogen related receptor beta [Source:HGNC Symbol;Acc:HGNC:	chr14:7687	NM_00445	XM_01153	.	.	NP_00444	XP_011534	protein_co	ENSG0000	2103	3473
ESRRG	0	0	0	0	0	0	estrogen related receptor gamma [Source:HGNC Symbol;Acc:HGN	chr1:21667	NM_00113	XM_01700	.	.	NP_00112	XP_006711	protein_co	ENSG0000	2104	3474
ESX1	0	0	0	0	0	0	ESX homeobox 1 [Source:HGNC Symbol;Acc:HGNC:14865]	chrX:10349	NM_15344	.	.	.	NP_70314	.	protein_co	ENSG0000	80712	14865
ESYT1	33.8107	35.0612	30.0557	34.2103	32.0391	36.108	extended synaptotagmin 1 [Source:HGNC Symbol;Acc:HGNC:295	chr12:5652	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	23344	29534
ESYT2	22.7806	23.4937	23.3701	20.6437	20.9991	21.9	extended synaptotagmin 2 [Source:HGNC Symbol;Acc:HGNC:222	chr7:15852	NM_02072	.	.	.	NP_06577	.	protein_co	ENSG0000	57488	22211
ESYT3	0	0	0	0	0	0	extended synaptotagmin 3 [Source:HGNC Symbol;Acc:HGNC:242	chr3:13815	NM_03191	XM_01151	.	.	NP_00130	XP_011511	protein_co	ENSG0000	83850	24295
ETAA1	4.2266	3.83651	4.8231	3.8189	5.75152	6.48409	Ewing tumor associated antigen 1 [Source:HGNC Symbol;Acc:HGN	chr2:67624	NM_01900	XM_00526	.	.	NP_06187	.	protein_co	ENSG0000	54465	24648
ETF1	90.2163	86.6567	80.6552	103.292	110.675	102.45	eukaryotic translation termination factor 1 [Source:HGNC Symbo	chr5:13784	NM_00125	XM_00527	.	.	NP_00124	XP_005271	protein_co	ENSG0000	2107	3477
ETFA	56.5554	51.2832	57.6103	66.4705	60.3784	71.8174	electron transfer flavoprotein alpha subunit [Source:HGNC Symb	chr15:7650	NM_00012	.	.	.	NP_00011	.	protein_co	ENSG0000	2108	3481
ETFB	62.2459	63.5194	67.2851	76.6175	63.3869	54.7266	electron transfer flavoprotein beta subunit [Source:HGNC Symbo	chr19:5184	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	2109	3482
ETFBKMT	0.673988	0.641098	0.90964	0.818925	0.228765	1.06445	electron transfer flavoprotein beta subunit lysine methyltransfera	chr12:3180	NM_00113	XM_00671	.	.	NP_00112	XP_006719	protein_co	ENSG0000	254013	28739
ETFDH	6.32933	6.68546	7.1627	6.32005	6.80561	10.7844	electron transfer flavoprotein dehydrogenase [Source:HGNC Sym	chr4:15959	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	2110	3483
ETHE1	42.459	44.0038	48.1901	51.3211	38.5498	42.5168	ETHE1, persulfide dioxygenase [Source:HGNC Symbol;Acc:HGNC:	chr19:4401	NM_01429	XM_00525	.	.	NP_00130	XP_005258	protein_co	ENSG0000	23474	23287
ETNK1	16.3812	17.2335	21.6129	15.9125	17.5268	19.476	ethanolamine kinase 1 [Source:HGNC Symbol;Acc:HGNC:24649]	chr12:2277	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	55500	24649
ETNK2	8.9725	9.20394	10.2859	12.4826	10.3835	10.5041	ethanolamine kinase 2 [Source:HGNC Symbol;Acc:HGNC:25575]	chr1:20410	NM_00129	XM_01150	.	.	NP_00128	XP_011508	protein_co	ENSG0000	55224	25575
ETNPPL	0	0	0	0	0	0	ethanolamine-phosphate phospho-lyase [Source:HGNC Symbol;A	chr4:10966	NM_00114	XM_00671	.	.	NP_00114	XP_006714	protein_co	ENSG0000	64850	14404
ETS1	6.87618	7.57758	4.45746	5.19448	5.6849	6.91628	ETS proto-oncogene 1, transcription factor [Source:HGNC Symbo	chr11:1283	NM_00114	XM_01701	.	.	NP_00113	XP_011540	protein_co	ENSG0000	2113	3488
ETS2	19.5619	20.6931	21.7024	31.3037	31.3253	28.8208	ETS proto-oncogene 2, transcription factor [Source:HGNC Symbo	chr21:4017	NM_00125	XM_00526	.	.	NP_00124	XP_005260	protein_co	ENSG0000	2114	3489
ETV1	6.01463	6.21573	7.95896	6.4085	7.23007	9.32203	ETS variant 1 [Source:HGNC Symbol;Acc:HGNC:3490]	chr7:13930	NM_00116	XM_01151	.	.	NP_00115	XP_005249	protein_co	ENSG0000	2115	3490
ETV2	1.49109	2.32719	1.17705	1.20207	1.21481	0.770409	ETS variant 2 [Source:HGNC Symbol;Acc:HGNC:3491]	chr19:3613	NM_00130	XM_01152	.	.	NP_00128	XP_005258	protein_co	ENSG0000	2116	3491
ETV3	11.7598	13.109	11.2572	12.2296	12.6249	11.4648	ETS variant 3 [Source:HGNC Symbol;Acc:HGNC:3492]	chr1:15709	NM_00114	XM_00671	.	.	NP_00113	XP_006711	protein_co	ENSG0000	2117	3492
ETV3L	0	0	0	0	0	0	ETS variant 3 like [Source:HGNC Symbol;Acc:HGNC:33834]	chr1:15706	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	440695	33834
ETV4	26.7267	25.1247	30.9754	34.0235	29.3846	33.3647	ETS variant 4 [Source:HGNC Symbol;Acc:HGNC:3493]	chr17:4160	NM_00107	XM_01152	.	.	NP_00107	XP_011522	protein_co	ENSG0000	2118	3493
ETV5	26.5579	30.9523	26.8779	25.7285	24.8633	50.0183	ETS variant 5 [Source:HGNC Symbol;Acc:HGNC:3494]	chr3:18576	NM_00445	.	.	.	NP_00444	.	protein_co	ENSG0000	2119	3494
ETV6	4.72239	4.75901	5.7113	2.59281	2.65061	4.36845	ETS variant 6 [Source:HGNC Symbol;Acc:HGNC:3495]	chr12:1180	NM_00198	XM_01152	.	.	NP_00197	XP_011518	protein_co	ENSG0000	2120	3495
ETV7	1.73149	1.82784	1.89095	0.539204	0.589919	0.297571	ETS variant 7 [Source:HGNC Symbol;Acc:HGNC:18160]	chr6:36321	NM_00120	XM_01151	.	.	NP_00119	XP_011512	protein_co	ENSG0000	51513	18160
EVA1A	1.66475	1.54161	1.5141	1.72107	1.72378	1.25761	eva-1 homolog A, regulator of programmed cell death [Source:H	chr2:75719	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	84141	25816
EVA1B	12.9224	15.9112	14.7141	14.9556	9.61975	16.0042	eva-1 homolog B [Source:HGNC Symbol;Acc:HGNC:25558]	chr1:36787	NM_00130	.	.	.	NP_00129	XP_016857	protein_co	ENSG0000	55194	25558
EVA1C	9.46644	10.4309	10.5421	9.77859	6.16716	6.92501	eva-1 homolog C [Source:HGNC Symbol;Acc:HGNC:13239]	chr21:3378	NM_00128	XM_01702	.	.	NP_00127	XP_006724	protein_co	ENSG0000	59271	13239
EVC	0.010835	0.01084	0.009401	0.011736	0	0.040716	EvC ciliary complex subunit 1 [Source:HGNC Symbol;Acc:HGNC:34	chr4:57129	NM_00130	XM_00671	.	.	NP_00129	XP_005248	protein_co	ENSG0000	2121	3497
EVC2	0	0	0	0	0	0	EvC ciliary complex subunit 2 [Source:HGNC Symbol;Acc:HGNC:19	chr4:55641	NM_00116	XM_01151	.	.	NP_00115	XP_016863	protein_co	ENSG0000	132884	19747
EVI2A	0	0	0	0	0	0	ecotropic viral integration site 2A [Source:HGNC Symbol;Acc:HGN	chr17:2942	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	2123	3499
EVI2B	0	0	0	0	0	0	ecotropic viral integration site 2B [Source:HGNC Symbol;Acc:HGN	chr17:2942	NM_00649	XM_00525	.	.	NP_00648	XP_005258	protein_co	ENSG0000	2124	3500
EVI5	2.79108	2.9733	3.72188	2.71845	3.2318	3.6129	ecotropic viral integration site 5 [Source:HGNC Symbol;Acc:HGNC	chr1:92974	NM_00130	XM_01154	.	.	NP_00129	XP_011540	protein_co	ENSG0000	7813	3501
EVI5L	6.30832	6.62206	6.87103	6.36931	6.31303	9.09961	ecotropic viral integration site 5 like [Source:HGNC Symbol;Acc:H	chr19:7895	NM_00115	XM_00527	.	.	NP_00115	XP_005272	protein_co	ENSG0000	115704	30464
EVL	3.59649	3.41693	4.08318	3.9105	4.0257	3.70236	Enah/Vasp-like [Source:HGNC Symbol;Acc:HGNC:20234]	chr14:1004	NM_01633	XM_01702	.	.	NP_05742	XP_005267	protein_co	ENSG0000	51466	20234
EVPL	10.3838	9.76333	15.3635	10.4367	10.3633	16.1253	envoplakin [Source:HGNC Symbol;Acc:HGNC:3503]	chr17:7400	NM_00132	XM_01152	.	.	NP_00130	XP_011522	protein_co	ENSG0000	2125	3503
EVPLL	0	0	0	0	0	0	envoplakin like [Source:HGNC Symbol;Acc:HGNC:35236]	chr17:1828	NM_00114	XM_01152	.	.	NP_00113	XP_011522	protein_co	ENSG0000	645027	35236
EVX1	0.077161	0.037679	0.131411	0.102311	0.044911	0.254994	even-skipped homeobox 1 [Source:HGNC Symbol;Acc:HGNC:3506	chr7:27282	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	2128	3506
EVX2	0	0	0	0.032134	0	0.029961	even-skipped homeobox 2 [Source:HGNC Symbol;Acc:HGNC:3507	chr2:17694	NM_00108	XM_01151	.	.	NP_00107	XP_011509	protein_co	ENSG0000	344191	3507
EWSR1	133.331	140.775	107.162	154.856	136.904	107.598	EWS RNA binding protein 1 [Source:HGNC Symbol;Acc:HGNC:350	chr22:2966	NM_00116	XM_01153	.	.	NP_00115	XP_005261	protein_co	ENSG0000	2130	3508
EXD1	0.057384	0	0	0.064805	0.029035	0.025927	exonuclease 3'-5' domain containing 1 [Source:HGNC Symbol;Acc	chr15:4147	NM_00128	XM_01702	.	.	NP_00127	XP_006720	protein_co	ENSG0000	161829	28507
EXD2	12.3535	12.1465	12.6312	9.69866	9.57153	9.94389	exonuclease 3'-5' domain containing 2 [Source:HGNC Symbol;Acc	chr14:6965	NM_00119	XM_01153	.	.	NP_00118	XP_005267	protein_co	ENSG0000	55218	20217
EXD3	5.50852	5.48098	8.36863	4.22427	3.03145	6.61218	exonuclease 3'-5' domain containing 3 [Source:HGNC Symbol;Acc	chr9:14020	NM_00128	XM_01151	.	.	NP_00127	XP_011517	protein_co	ENSG0000	54932	26023

EXO1	15.7505	15.2757	12.0413	16.2969	16.6164	14.3697	exonuclease 1 [Source:HGNC Symbol;Acc:HGNC:3511]	chr1:24201	NM_00131	XM_01154	.	.	NP_00130	XP_006711	protein_co	ENSG0000	9156	3511
EXO5	0.776243	0.720463	0.542555	1.20083	1.2661	1.71587	exonuclease 5 [Source:HGNC Symbol;Acc:HGNC:26115]	chr1:40974	NM_02277	XM_01700	.	.	NP_07361	XP_005271	protein_co	ENSG0000	64789	26115
EXOC1	8.12523	7.87911	9.01784	7.69345	9.57837	9.40134	exocyst complex component 1 [Source:HGNC Symbol;Acc:HGNC:	chr4:56719	NM_00102	XM_01153	.	.	NP_00102	XP_005265	protein_co	ENSG0000	55763	30380
EXOC2	9.96443	9.65218	11.2846	11.0858	11.3378	13.0791	exocyst complex component 2 [Source:HGNC Symbol;Acc:HGNC:	chr6:48513	NM_01830	XM_01701	.	.	NP_06077	XP_016866	protein_co	ENSG0000	55770	24968
EXOC3	14.7389	14.6629	16.5237	14.3692	11.6413	11.4645	exocyst complex component 3 [Source:HGNC Symbol;Acc:HGNC:	chr5:44327	NM_00727	XM_01151	.	.	NP_00920	XP_011512	protein_co	ENSG0000	11336	30378
EXOC3L1	0	0.034627	0	0.075355	0	0.039457	exocyst complex component 3 like 1 [Source:HGNC Symbol;Acc:H	chr16:6721	NM_17851	.	.	.	NP_84861	.	protein_co	ENSG0000	283849	27540
EXOC3L2	0	0	0	0	0	0	Exocyst complex component 3-like protein 2 [Source:UniProtKB/	chr19:4571	NM_13856	.	.	.	.	.	protein_co	ENSG0000	.	.
EXOC3L4	0	0.08999	0	0	0	0	exocyst complex component 3 like 4 [Source:HGNC Symbol;Acc:H	chr14:1035	NM_00107	XM_01153	.	.	NP_00107	XP_011535	protein_co	ENSG0000	91828	20120
EXOC4	7.58537	7.70936	8.81062	7.04811	7.06035	8.59169	exocyst complex component 4 [Source:HGNC Symbol;Acc:HGNC:	chr7:13293	NM_00103	.	.	.	NP_00103	XP_005250	protein_co	ENSG0000	60412	30389
EXOC5	13.0682	12.4754	16.0123	11.3295	18.2144	19.7556	exocyst complex component 5 [Source:HGNC Symbol;Acc:HGNC:	chr14:5766	NM_00654	XM_00526	.	.	NP_00653	XP_005267	protein_co	ENSG0000	10640	10696
EXOC6	4.86547	4.81714	6.47848	5.81666	6.78224	8.2273	exocyst complex component 6 [Source:HGNC Symbol;Acc:HGNC:	chr10:9459	NM_00101	XM_01701	.	.	NP_00101	XP_016871	protein_co	ENSG0000	54536	23196
EXOC6B	8.11727	8.46765	10.3635	8.15789	9.39802	10.1733	exocyst complex component 6B [Source:HGNC Symbol;Acc:HGNC	chr2:72403	NM_00132	XM_01700	.	.	NP_00130	XP_005264	protein_co	ENSG0000	23233	17085
EXOC7	36.7605	36.6417	39.7825	31.1667	27.9343	25.2824	exocyst complex component 7 [Source:HGNC Symbol;Acc:HGNC:	chr17:7407	NM_00101	XM_00672	.	.	NP_00101	XP_006721	protein_co	ENSG0000	23265	23214
EXOC8	6.4627	6.50117	6.36112	6.24887	6.71135	6.53225	exocyst complex component 8 [Source:HGNC Symbol;Acc:HGNC:	chr1:23146	NM_17587	.	.	.	NP_78707	.	protein_co	ENSG0000	149371	24659
EXOG	4.0887	9.84349	5.55394	8.83518	10.0077	2.98847	endo/exonuclease (5'-3'), endonuclease G-like [Source:HGNC Syn	chr3:38537	NM_00114	XM_00526	.	.	NP_00113	XP_005265	protein_co	ENSG0000	9941	3347
EXOSC1	43.9292	39.3205	32.5125	41.6987	32.9347	34.3591	exosome component 1 [Source:HGNC Symbol;Acc:HGNC:17286]	chr10:9919	NM_01604	XM_01153	.	.	NP_00130	XP_011538	protein_co	ENSG0000	51013	17286
EXOSC10	39.4188	37.0735	32.8621	41.967	41.541	35.1051	exosome component 10 [Source:HGNC Symbol;Acc:HGNC:9138]	chr1:11126	NM_00100	XM_00526	.	.	NP_00100	XP_005263	protein_co	ENSG0000	5394	9138
EXOSC2	32.7337	32.9408	29.1236	38.9878	36.3911	26.5062	exosome component 2 [Source:HGNC Symbol;Acc:HGNC:17097]	chr9:13356	NM_00128	XM_00671	.	.	NP_00126	XP_005272	protein_co	ENSG0000	23404	17097
EXOSC3	38.4777	37.069	39.5322	49.2881	51.0865	31.8344	exosome component 3 [Source:HGNC Symbol;Acc:HGNC:17944]	chr9:37779	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	51010	17944
EXOSC4	76.9962	76.5154	73.434	101.383	75.5525	60.2192	exosome component 4 [Source:HGNC Symbol;Acc:HGNC:18189]	chr8:14513	NM_01903	XM_01151	NR_10690	.	NP_06191	.	protein_co	ENSG0000	102465510	18189
EXOSC5	47.4037	41.6377	37.2454	44.5258	35.9299	29.7831	exosome component 5 [Source:HGNC Symbol;Acc:HGNC:24662]	chr19:4183	NM_02015	.	.	.	NP_06454	.	protein_co	ENSG0000	56915	24662
EXOSC6	12.2444	13.5185	11.3648	16.136	13.9885	13.952	exosome component 6 [Source:HGNC Symbol;Acc:HGNC:19055]	chr16:7028	NM_05821	.	.	.	NP_47812	.	protein_co	ENSG0000	118460	19055
EXOSC7	40.7073	37.8513	34.109	49.1322	41.3792	37.3314	exosome component 7 [Source:HGNC Symbol;Acc:HGNC:28112]	chr3:45017	NM_01500	.	.	XR_00174	NP_05581	.	protein_co	ENSG0000	23016	28112
EXOSC8	48.485	45.9154	33.1665	40.7967	37.1416	51.929	exosome component 8 [Source:HGNC Symbol;Acc:HGNC:17035]	chr13:3757	NM_18150	XM_00671	.	.	NP_85248	XP_006719	protein_co	ENSG0000	11340	17035
EXOSC9	55.3707	51.5522	42.2976	57.4696	55.288	44.7071	exosome component 9 [Source:HGNC Symbol;Acc:HGNC:9137]	chr4:12272	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	5393	9137
EXPH5	3.09768	3.5279	3.25802	3.86422	5.03497	4.51067	exophilin 5 [Source:HGNC Symbol;Acc:HGNC:30578]	chr11:1083	NM_00114	XM_01701	.	.	NP_00113	XP_005271	protein_co	ENSG0000	23086	30578
EXT1	4.1314	4.69962	3.77271	3.21458	3.30456	3.90499	exostosin glycosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:	chr8:11880	NM_00012	.	.	.	NP_00011	.	protein_co	ENSG0000	2131	3512
EXT2	27.3165	25.7465	26.5168	28.7946	26.2775	25.9955	exostosin glycosyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:	chr11:4411	NM_00040	XM_01151	.	.	NP_00039	XP_011518	protein_co	ENSG0000	2132	3513
EXTL1	0.02327	0.045595	0.079489	0.024684	0	0	exostosin like glycosyltransferase 1 [Source:HGNC Symbol;Acc:HG	chr1:26348	NM_00445	XM_00524	.	.	NP_00444	XP_005245	protein_co	ENSG0000	2134	3515
EXTL2	11.9504	10.3669	12.3243	9.74621	11.5878	15.623	exostosin like glycosyltransferase 2 [Source:HGNC Symbol;Acc:HG	chr1:10133	NM_00103	XM_01700	.	.	NP_00102	XP_005270	protein_co	ENSG0000	2135	3516
EXTL3	25.7273	25.4723	27.4095	31.4792	30.9436	30.3555	exostosin like glycosyltransferase 3 [Source:HGNC Symbol;Acc:HG	chr8:28480	NM_00144	XM_01154	.	.	NP_00143	XP_011542	protein_co	ENSG0000	2137	3518
EYA1	0	0	0.037504	0	0	0	EYA transcriptional coactivator and phosphatase 1 [Source:HGNC	chr8:72109	NM_00050	XM_01701	.	.	NP_00049	XP_011515	protein_co	ENSG0000	2138	3519
EYA2	0	0	0	0	0	0	EYA transcriptional coactivator and phosphatase 2 [Source:HGNC	chr20:4552	NM_00524	XM_00526	.	.	NP_00523	XP_005260	protein_co	ENSG0000	2139	3520
EYA3	12.0704	11.6762	13.0892	10.0683	11.3022	9.58724	EYA transcriptional coactivator and phosphatase 3 [Source:HGNC	chr1:28296	NM_00128	XM_01154	NR_10421	.	NP_00126	XP_006710	protein_co	ENSG0000	2140	3521
EYA4	0.025235	0	0.018932	0	0	0.036964	EYA transcriptional coactivator and phosphatase 4 [Source:HGNC	chr6:13356	NM_00130	XM_01153	.	.	NP_00128	XP_005266	protein_co	ENSG0000	2070	3522
EYS	0	0	0	0	0	0	eyes shut homolog (Drosophila) [Source:HGNC Symbol;Acc:HGNC	chr6:64429	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	346007	21555
EZH1	6.8372	7.94818	7.98968	3.99589	4.1748	5.08624	enhancer of zeste 1 polycomb repressive complex 2 subunit [Sou	chr17:4085	NM_00132	XM_01702	.	.	NP_00130	XP_005257	protein_co	ENSG0000	2145	3526
EZH2	26.7791	26.8169	25.9091	33.677	37.4758	36.0466	enhancer of zeste 2 polycomb repressive complex 2 subunit [Sou	chr7:14850	NM_00120	XM_01151	.	.	NP_00119	XP_005250	protein_co	ENSG0000	2146	3527
EZR	355.88	358.693	455.274	333.378	316.7	396.512	ezrin [Source:HGNC Symbol;Acc:HGNC:12691]	chr6:15918	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	7430	12691
F10	0.821472	0.626206	1.48023	0.980017	1.44541	2.30696	coagulation factor X [Source:HGNC Symbol;Acc:HGNC:3528]	chr13:1137	NM_00050	XM_00526	.	.	NP_00049	XP_005268	protein_co	ENSG0000	2159	3528
F11	0	0	0	0	0	0	coagulation factor XI [Source:HGNC Symbol;Acc:HGNC:3529]	chr4:18718	NM_00012	XM_00671	.	.	NP_00011	XP_005262	protein_co	ENSG0000	2160	3529
F11R	44.8052	44.1884	43.5836	41.679	38.8498	47.312	F11 receptor [Source:HGNC Symbol;Acc:HGNC:14685]	chr1:16096	NM_01694	.	.	.	NP_05864	.	protein_co	ENSG0000	50848	14685
F12	9.02959	8.29374	8.7194	12.7013	9.6659	6.69083	coagulation factor XII [Source:HGNC Symbol;Acc:HGNC:3530]	chr5:17682	NM_00050	XM_01153	.	.	NP_00049	XP_011532	protein_co	ENSG0000	2161	3530
F13A1	0	0	0	0	0	0	coagulation factor XIII A chain [Source:HGNC Symbol;Acc:HGNC:3	chr6:61443	NM_00012	XM_01151	.	.	NP_00012	XP_006715	protein_co	ENSG0000	2162	3531
F13B	0.029665	0.03199	0	0	0	0	coagulation factor XIII B chain [Source:HGNC Symbol;Acc:HGNC:3	chr1:19700	NM_00199	XM_01150	.	.	NP_00198	XP_011507	protein_co	ENSG0000	2165	3534
F2	0.109645	0.065483	0.094963	0.157259	0.084864	0	coagulation factor II, thrombin [Source:HGNC Symbol;Acc:HGNC:	chr11:4674	NM_00050	.	.	.	NP_00049	.	protein_co	ENSG0000	2147	3535
F2R	13.0663	12.1311	17.4705	17.951	20.3257	20.1668	coagulation factor II thrombin receptor [Source:HGNC Symbol;Ac	chr5:76011	NM_00199	.	.	.	NP_00198	.	protein_co	ENSG0000	2149	3537
F2RL1	65.7066	68.133	65.0147	113.906	106.424	98.8579	F2R like trypsin receptor 1 [Source:HGNC Symbol;Acc:HGNC:3538	chr5:76114	NM_00524	XM_01700	.	.	NP_00523	XP_016864	protein_co	ENSG0000	2150	3538
F2RL2	0.085091	0.07778	0	0.128154	0.157069	0.480459	coagulation factor II thrombin receptor like 2 [Source:HGNC Sym	chr5:75699	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	2151	3539
F2RL3	0	0	0	0	0	0	F2R like thrombin/trypsin receptor 3 [Source:HGNC Symbol;Acc:H	chr19:1699	NM_00395	.	.	.	NP_00394	.	protein_co	ENSG0000	9002	3540
F3	11.1754	11.1538	12.4159	13.8383	12.5673	14.0707	coagulation factor III, tissue factor [Source:HGNC Symbol;Acc:HG	chr1:94994	NM_00117	.	.	.	NP_00117	.	protein_co	ENSG0000	2152	3541
F5	0.230136	0.134724	0.461057	0.085971	0.142582	0.163724	coagulation factor V [Source:HGNC Symbol;Acc:HGNC:3542]	chr1:16948	NM_00013	.	.	.	NP_00012	XP_016856	protein_co	ENSG0000	2153	3542
F7	0.021591	0	0	0	0	0.023405	coagulation factor VII [Source:HGNC Symbol;Acc:HGNC:3544]	chr13:1137	NM_00013	XM_01153	.	.	NP_00012	XP_006720	protein_co	ENSG0000	2155	3544
F8	2.1167	2.53157	2.64702	2.05662	1.5969	1.64489	coagulation factor VIII [Source:HGNC Symbol;Acc:HGNC:3546]	chrX:15406	NM_00013	XM_01153	.	.	NP_00012	.	protein_co	ENSG0000	2157	3546
F8A1	10.1195	10.3368	9.82832	11.114	10.4568	9.54465	coagulation factor VIII-associated 1 [Source:HGNC Symbol;Acc:HG	chrX:15406	NM_01215	.	.	.	NP_03628	.	protein_co	ENSG0000	8263	3547
F8A2	0	0	0	0	0	0	coagulation factor VIII-associated 2 [Source:HGNC Symbol;Acc:HG	chrX:15461	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	474383	31849
F8A3	0.257791	0	0	0	0	0	coagulation factor VIII-associated 3 [Source:HGNC Symbol;Acc:HG	chrX:15468	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	474384	31850
F9	0	0	0	0	0	0	coagulation factor IX [Source:HGNC Symbol;Acc:HGNC:3551]	chrX:13861	NM_00013	XM_00526	.	.	NP_00012	XP_005262	protein_co	ENSG0000	2158	3551
FA2H	2.48053	2.81246	3.76529	2.15411	2.60011	3.80088	fatty acid 2-hydroxylase [Source:HGNC Symbol;Acc:HGNC:21197]	chr16:7474	NM_02430	.	.	.	NP_07728	.	protein_co	ENSG0000	79152	21197

FAAH	7.29485	7.03802	7.70983	7.48151	7.15165	5.34514	fatty acid amide hydrolase [Source:HGNC Symbol;Acc:HGNC:3553	chr1:46859	NM_00144	.	.	.	NP_00143	.	protein_co	ENSG0000	2166	3553
FAAH2	3.09195	3.33134	2.90647	2.70388	2.11696	3.78853	fatty acid amide hydrolase 2 [Source:HGNC Symbol;Acc:HGNC:26	chrX:57313	NM_17491	XM_01153	.	.	NP_77757	XP_005262	protein_co	ENSG0000	158584	26440
FAAP100	20.5963	20.4161	23.1132	19.2593	15.6671	13.5148	Fanconi anemia core complex associated protein 100 [Source:HG	chr17:7950	NM_02516	XM_01702	.	.	NP_07943	XP_006722	protein_co	ENSG0000	80233	26171
FAAP20	54.7001	57.3213	63.5982	54.0788	39.7907	54.9346	Fanconi anemia core complex associated protein 20 [Source:HGN	chr1:20049	NM_00125	XM_01154	.	.	NP_00124	XP_006710	protein_co	ENSG0000	199990	26428
FAAP24	2.48412	3.32439	3.3727	3.88082	2.38353	2.41227	Fanconi anemia core complex associated protein 24 [Source:HGN	chr19:3346	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	91442	28467
FABP1	0	0	0	0	0	0	fatty acid binding protein 1 [Source:HGNC Symbol;Acc:HGNC:355	chr2:88422	NM_00144	.	.	.	NP_00143	.	protein_co	ENSG0000	2168	3555
FABP12	0	0	0	0	0	0.280045	fatty acid binding protein 12 [Source:HGNC Symbol;Acc:HGNC:34	chr8:82437	NM_00110	XM_01151	.	.	NP_00109	XP_005251	protein_co	ENSG0000	646486	34524
FABP2	0	0	0	0	0	0	fatty acid binding protein 2 [Source:HGNC Symbol;Acc:HGNC:355	chr4:12023	NM_00013	.	.	.	NP_00012	.	protein_co	ENSG0000	2169	3556
FABP3	0	0	0	0.098078	0	0.092651	fatty acid binding protein 3 [Source:HGNC Symbol;Acc:HGNC:355	chr1:31838	NM_00410	.	.	.	NP_00130	.	protein_co	ENSG0000	2170	3557
FABP4	0	0	0	0	0	0	fatty acid binding protein 4 [Source:HGNC Symbol;Acc:HGNC:355	chr8:82390	NM_00144	.	.	.	NP_00143	.	protein_co	ENSG0000	2167	3559
FABP5	191.872	168.64	169.357	245.056	217.835	175.341	fatty acid binding protein 5 [Source:HGNC Symbol;Acc:HGNC:356	chr8:82192	NM_00144	.	.	.	NP_00143	.	protein_co	ENSG0000	2171	3560
FABP6	6.1583	3.13602	6.62897	4.13308	2.58368	3.2354	fatty acid binding protein 6 [Source:HGNC Symbol;Acc:HGNC:356	chr5:15961	NM_00104	XM_01153	.	.	NP_00103	XP_006714	protein_co	ENSG0000	2172	3561
FABP7	0	0	0	0	0	0	fatty acid binding protein 7 [Source:HGNC Symbol;Acc:HGNC:356	chr6:12310	NM_00144	XM_00526	.	.	NP_00130	XP_005266	protein_co	ENSG0000	2173	3562
FABP9	0	0	0	0	0	0	fatty acid binding protein 9 [Source:HGNC Symbol;Acc:HGNC:356	chr8:82370	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	646480	3563
FADD	21.9368	22.4985	21.4374	23.4049	21.3436	24.4034	Fas associated via death domain [Source:HGNC Symbol;Acc:HGN	chr11:7004	NM_00382	.	.	.	NP_00381	.	protein_co	ENSG0000	8772	3573
FADS1	23.3656	23.2448	29.8911	23.1039	23.1163	29.5579	fatty acid desaturase 1 [Source:HGNC Symbol;Acc:HGNC:3574]	chr11:6155	NM_01340	XM_01154	NR_03172	.	NP_03753	XP_011543	protein_co	ENSG0000	100302263	3574
FADS2	10.5183	12.4464	6.83888	12.1857	11.1106	9.92118	fatty acid desaturase 2 [Source:HGNC Symbol;Acc:HGNC:3575]	chr11:6155	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	9415	3575
FADS3	26.4988	25.3942	30.4064	20.4754	17.2652	18.0102	fatty acid desaturase 3 [Source:HGNC Symbol;Acc:HGNC:3576]	chr11:6164	NM_02172	XM_01701	.	.	NP_06837	XP_011543	protein_co	ENSG0000	3995	3576
FADS6	0	0	0	0	0	0.043409	fatty acid desaturase 6 [Source:HGNC Symbol;Acc:HGNC:30459]	chr17:7287	NM_17812	XM_00525	.	.	NP_83522	XP_005257	protein_co	ENSG0000	283985	30459
FAF1	19.8545	20.6575	18.2978	21.495	20.25	18.9442	Fas associated factor 1 [Source:HGNC Symbol;Acc:HGNC:3578]	chr1:50902	NM_00705	.	.	.	NP_00898	.	protein_co	ENSG0000	11124	3578
FAF2	31.5508	31.5474	32.6632	32.9451	34.6297	35.5989	Fas associated factor family member 2 [Source:HGNC Symbol;Acc	chr5:17587	NM_01461	XM_01153	.	.	NP_05542	XP_011532	protein_co	ENSG0000	23197	24666
FAH	12.2602	11.2688	12.5227	13.3872	10.927	8.02264	fumarylacetoacetate hydrolase [Source:HGNC Symbol;Acc:HGNC:	chr15:8044	NM_00013	.	.	.	NP_00012	.	protein_co	ENSG0000	2184	3579
FAHD1	18.861	19.5063	19.4515	21.4496	18.2176	15.5564	fumarylacetoacetate hydrolase domain containing 1 [Source:HGN	chr16:1857	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	81889	14169
FAHD2A	7.11067	7.95604	8.35827	8.49736	6.14407	6.38233	fumarylacetoacetate hydrolase domain containing 2A [Source:HG	chr2:96068	NM_01604	XM_01151	.	.	NP_05712	XP_011509	protein_co	ENSG0000	51011	24252
FAHD2B	7.02689	6.84372	8.67407	8.214	6.32714	7.1806	fumarylacetoacetate hydrolase domain containing 2B [Source:HG	chr2:97749	NM_00132	XM_00526	.	.	NP_00130	XP_005263	protein_co	ENSG0000	151313	25318
FAIM	17.0676	17.3253	13.2779	20.6907	19.2018	16.4573	Fas apoptotic inhibitory molecule [Source:HGNC Symbol;Acc:HGN	chr3:13832	NM_00103	XM_01151	.	.	NP_00102	XP_011511	protein_co	ENSG0000	55179	18703
FAIM2	0	0	0	0	0	0	Fas apoptotic inhibitory molecule 2 [Source:HGNC Symbol;Acc:H	chr12:5026	NM_01230	XM_01701	.	.	NP_03643	XP_005268	protein_co	ENSG0000	23017	17067
FAM101A	0.238869	0.117341	0.282343	0.042457	0	0.044048	family with sequence similarity 101 member A [Source:HGNC Syn	chr12:1247	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	100533183	27051
FAM101B	22.0436	22.7175	29.9866	23.4159	23.4884	26.9218	family with sequence similarity 101 member B [Source:HGNC Syn	chr17:2897	NM_18270	.	.	.	NP_87436	.	protein_co	ENSG0000	359845	28705
FAM102A	12.9717	13.1158	10.8841	8.2798	7.76392	8.35384	family with sequence similarity 102 member A [Source:HGNC Syn	chr9:13070	NM_00103	XM_01151	.	.	NP_00103	XP_005252	protein_co	ENSG0000	399665	31419
FAM102B	7.12057	7.17608	7.5552	9.70137	12.7428	10.9572	family with sequence similarity 102 member B [Source:HGNC Syn	chr1:10910	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	284611	27637
FAM103A1	15.937	15.7515	16.2253	16.4501	13.0238	10.7096	family with sequence similarity 103 member A1 [Source:HGNC Sy	chr15:8365	NM_03145	.	.	.	NP_11364	.	protein_co	ENSG0000	83640	31022
FAM104A	25.6369	25.8751	27.9415	28.6501	27.5055	30.4347	family with sequence similarity 104 member A [Source:HGNC Syn	chr17:7118	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	84923	25918
FAM104B	15.3968	13.3552	11.2688	15.1333	12.5771	13.1062	family with sequence similarity 104 member B [Source:HGNC Syn	chrX:55169	NM_00116	XM_00672	.	.	NP_00116	XP_016885	protein_co	ENSG0000	90736	25085
FAM105A	3.77928	4.02511	3.99969	4.3092	3.77696	4.0153	family with sequence similarity 105 member A [Source:HGNC Syn	chr5:14581	NM_01901	XM_01151	.	.	NP_06189	XP_011512	protein_co	ENSG0000	54491	25629
FAM106A	0	0	0	0	0	0	family with sequence similarity 106 member A [Source:HGNC Syn	chr17:1842	.	.	.	.	.	.	protein_co	ENSG0000	.	25682
FAM107A	0.057572	0	0.019937	0.025233	0.052298	0	family with sequence similarity 107 member A [Source:HGNC Syn	chr3:58549	NM_00107	XM_00526	.	.	NP_00107	XP_005264	protein_co	ENSG0000	11170	30827
FAM107B	18.6871	18.9149	16.8563	20.4708	21.6187	62.8624	family with sequence similarity 107 member B [Source:HGNC Syn	chr10:1456	NM_00128	XM_01701	.	.	NP_00126	XP_005252	protein_co	ENSG0000	83641	23726
FAM109A	7.79397	7.64082	7.20361	7.83794	7.16248	6.23001	family with sequence similarity 109 member A [Source:HGNC Syn	chr12:1117	NM_00117	XM_01153	.	.	NP_00117	XP_006719	protein_co	ENSG0000	144717	26509
FAM109B	0.109938	0.219871	0.063131	0.039698	0.084312	0	family with sequence similarity 109 member B [Source:HGNC Syn	chr22:4247	NM_00100	XM_00526	.	.	NP_00100	XP_005261	protein_co	ENSG0000	150368	27161
FAM110A	17.9043	16.5298	16.2184	21.5047	18.9076	21.3109	family with sequence similarity 110 member A [Source:HGNC Syn	chr20:8143	NM_00104	XM_01152	.	.	NP_00103	XP_011527	protein_co	ENSG0000	83541	16188
FAM110B	0	0	0	0	0	0	family with sequence similarity 110 member B [Source:HGNC Syn	chr8:58907	NM_14718	XM_00525	.	.	NP_67172	XP_005251	protein_co	ENSG0000	90362	28587
FAM110C	7.21288	6.71678	9.15007	6.18398	7.4141	10.6232	family with sequence similarity 110 member C [Source:HGNC Syn	chr2:38813	NM_00107	XM_01151	.	.	NP_00107	XP_011508	protein_co	ENSG0000	642273	33340
FAM110D	0.309781	0.304771	0.231797	0.250674	0	0.294584	family with sequence similarity 110 member D [Source:HGNC Syn	chr1:26485	NM_02486	XM_01154	.	.	NP_07914	XP_011540	protein_co	ENSG0000	79927	25860
FAM111A	21.7191	18.4491	16.6141	15.636	19.9624	18.4896	family with sequence similarity 111 member A [Source:HGNC Syn	chr11:5891	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	63901	24725
FAM111B	9.65856	7.6288	6.46902	9.85177	15.5537	11.4109	family with sequence similarity 111 member B [Source:HGNC Syn	chr11:5887	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	374393	24200
FAM114A1	9.79433	9.97733	10.522	10.4591	10.1426	12.243	family with sequence similarity 114 member A1 [Source:HGNC Sy	chr4:38869	NM_13838	XM_00671	.	.	NP_61239	XP_005262	protein_co	ENSG0000	92689	25087
FAM114A2	6.30743	7.21669	7.48323	7.29451	6.86203	7.75434	family with sequence similarity 114 member A2 [Source:HGNC Sy	chr5:15336	NM_00131	XM_01153	.	.	NP_00130	XP_005268	protein_co	ENSG0000	10827	1333
FAM117A	8.36121	8.62338	12.7564	10.1676	8.69628	9.55336	family with sequence similarity 117 member A [Source:HGNC Syn	chr17:4778	NM_03080	.	.	.	NP_11042	.	protein_co	ENSG0000	81558	24179
FAM117B	2.78815	3.50523	5.29661	3.08974	3.39808	5.61244	family with sequence similarity 117 member B [Source:HGNC Syn	chr2:20349	NM_17351	.	.	.	NP_77578	.	protein_co	ENSG0000	150864	14440
FAM118A	11.2376	11.7003	13.1717	11.4968	10.9732	10.7496	family with sequence similarity 118 member A [Source:HGNC Syn	chr22:4570	NM_00110	XM_01153	.	.	NP_00109	.	protein_co	ENSG0000	55007	1313
FAM118B	11.8428	10.8655	9.90665	14.6207	11.8528	11.6499	family with sequence similarity 118 member B [Source:HGNC Syn	chr11:1260	NM_02455	XM_01154	.	.	NP_07883	XP_005271	protein_co	ENSG0000	79607	26110
FAM120A	38.635	44.2048	39.4446	39.941	43.4101	37.6297	family with sequence similarity 120A [Source:HGNC Symbol;Acc:H	chr9:96208	NM_00128	XM_01151	.	.	NP_00127	XP_005251	protein_co	ENSG0000	23196	13247
FAM120AOS	25.2078	20.8981	20.246	19.6915	20.7137	17.005	family with sequence similarity 120A opposite strand [Source:HG	chr9:96208	NM_00132	.	NR_13623	.	NP_00130	.	protein_co	ENSG0000	158293	23389
FAM120B	11.9722	12.3799	13.359	12.3988	12.4555	14.1951	family with sequence similarity 120B [Source:HGNC Symbol;Acc:H	chr6:17059	NM_00128	XM_00671	.	.	NP_00127	.	protein_co	ENSG0000	84498	21109
FAM120C	2.89624	3.22071	2.53104	2.89101	1.98578	2.70087	family with sequence similarity 120C [Source:HGNC Symbol;Acc:H	chrX:54094	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	54954	16949
FAM122A	4.95864	5.36636	4.4735	4.46307	5.24497	4.86908	family with sequence similarity 122A [Source:HGNC Symbol;Acc:H	chr9:71320	NM_13833	.	.	.	NP_61220	.	protein_co	ENSG0000	.	23490
FAM122B	40.1842	47.2036	43.3998	42.5098	41.7477	34.6061	family with sequence similarity 122B [Source:HGNC Symbol;Acc:H	chrX:13390	NM_00116	XM_01153	.	.	NP_00116	XP_006724	protein_co	ENSG0000	159090	30490
FAM122C	1.61263	1.35589	1.99129	1.46337	1.22275	2.01019	family with sequence similarity 122C [Source:HGNC Symbol;Acc:H	chrX:13390	NM_00117	XM_00526	.	.	NP_00116	XP_005262	protein_co	ENSG0000	159091	25202

FAM124A	2.04522	1.95829	2.23325	1.96392	1.9866	1.90657	family with sequence similarity 124 member A [Source:HGNC Syn	chr13:5179	NM_00124	.	.	.	NP_00122	XP_016875	protein_co	ENSG0000	220108	26413
FAM124B	0	0	0	0	0	0	family with sequence similarity 124 member B [Source:HGNC Syn	chr2:22524	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	79843	26224
FAM126A	8.30026	9.14947	7.96602	11.9555	14.126	11.0316	family with sequence similarity 126 member A [Source:HGNC Syn	chr7:22973	NM_03258	XM_01151	.	.	NP_11597	XP_005249	protein_co	ENSG0000	84668	24587
FAM126B	1.29284	1.86322	1.73769	1.53361	1.98003	1.67682	family with sequence similarity 126 member B [Source:HGNC Syn	chr2:20183	NM_00132	XM_01151	.	.	NP_00130	XP_006712	protein_co	ENSG0000	285172	28593
FAM127A	41.8753	38.3184	48.1197	43.3346	40.932	38.3416	family with sequence similarity 127 member A [Source:HGNC Syn	chrX:13416	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	8933	2569
FAM127B	52.391	51.7422	49.7792	65.9746	58.5953	53.0288	family with sequence similarity 127 member B [Source:HGNC Syn	chrX:13418	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	26071	24514
FAM127C	0	0	0	0.102819	0.103686	0	family with sequence similarity 127 member C [Source:HGNC Syn	chrX:13415	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	441518	33156
FAM129A	2.60584	2.97441	1.29356	4.02639	4.08168	8.30528	family with sequence similarity 129 member A [Source:HGNC Syn	chr1:18476	NM_05296	XM_01150	.	.	NP_44319	XP_011507	protein_co	ENSG0000	116496	16784
FAM129B	60.5907	61.1472	63.9409	70.0227	61.0143	59.0895	family with sequence similarity 129 member B [Source:HGNC Syn	chr9:13026	NM_00103	XM_01151	.	.	NP_00103	XP_005252	protein_co	ENSG0000	64855	25282
FAM129C	0.074702	0.155274	0	0.092209	0.063272	0.123593	family with sequence similarity 129 member C [Source:HGNC Syn	chr19:1763	NM_00109	XM_01152	.	.	NP_00109	XP_005259	protein_co	ENSG0000	199786	24130
FAM131A	8.8391	10.4977	9.19112	10.145	9.07987	8.41847	family with sequence similarity 131 member A [Source:HGNC Syn	chr3:18405	NM_00117	XM_01151	.	.	NP_00116	XP_005247	protein_co	ENSG0000	131408	28308
FAM131B	0.131621	0.189687	0.342295	0.1837	0.277582	0.282657	family with sequence similarity 131 member B [Source:HGNC Syn	chr7:14305	NM_00103	XM_00671	.	.	NP_00102	XP_005250	protein_co	ENSG0000	9715	22202
FAM131C	5.62117	6.42588	7.56172	7.08763	5.89241	5.51868	family with sequence similarity 131 member C [Source:HGNC Syn	chr1:16384	NM_18262	.	.	.	NP_87242	.	protein_co	ENSG0000	348487	26717
FAM132A	0.582757	0.446425	0.394884	0.493585	0	0.264853	family with sequence similarity 132 member A [Source:HGNC Syn	chr1:11778	NM_00101	XM_01154	.	.	NP_00101	XP_011539	protein_co	ENSG0000	388581	32308
FAM133A	0	0	0	0	0	0	family with sequence similarity 133 member A [Source:HGNC Syn	chrX:92929	NM_00117	XM_01153	.	.	NP_00116	XP_006724	protein_co	ENSG0000	286499	26748
FAM133B	9.41549	7.76005	9.48973	8.75075	10.0096	9.42658	family with sequence similarity 133 member B [Source:HGNC Syn	chr7:92190	NM_00104	XM_01151	.	.	NP_00103	XP_011514	protein_co	ENSG0000	257415	28629
FAM134A	22.8856	22.8469	20.8541	21.2395	19.3227	14.9758	family with sequence similarity 134 member A [Source:HGNC Syn	chr2:22004	NM_02429	XM_00524	.	.	NP_07726	XP_005246	protein_co	ENSG0000	79137	28450
FAM134B	2.32642	2.44283	2.86778	2.57413	2.35759	3.01465	family with sequence similarity 134 member B [Source:HGNC Syn	chr5:16473	NM_00103	XM_01151	.	.	NP_00103	XP_011512	protein_co	ENSG0000	54463	25964
FAM134C	17.6363	17.8085	17.121	12.8008	12.092	14.0845	family with sequence similarity 134 member C [Source:HGNC Syn	chr17:4073	NM_17812	XM_01152	.	.	NP_83522	XP_011522	protein_co	ENSG0000	162427	27258
FAM135A	4.18832	3.63247	3.79113	3.08275	5.59213	5.00942	family with sequence similarity 135 member A [Source:HGNC Syn	chr6:71123	NM_00110	XM_01701	.	.	NP_00109	XP_005248	protein_co	ENSG0000	57579	21084
FAM135B	0	0	0	0	0	0	family with sequence similarity 135 member B [Source:HGNC Syn	chr8:13914	NM_01591	XM_01151	.	.	NP_05699	XP_011515	protein_co	ENSG0000	51059	28029
FAM136A	68.2259	61.3443	62.3048	78.849	81.7841	64.5054	family with sequence similarity 136 member A [Source:HGNC Syn	chr2:70523	NM_03282	.	.	.	NP_11621	.	protein_co	ENSG0000	84908	25911
FAM13A	6.02763	5.46322	4.91341	5.34096	5.45354	5.97122	family with sequence similarity 13 member A [Source:HGNC Symb	chr4:89647	NM_00101	XM_01700	.	.	NP_00101	XP_005262	protein_co	ENSG0000	10144	19367
FAM13B	4.56302	4.55656	4.69425	4.46597	5.59728	4.34611	family with sequence similarity 13 member B [Source:HGNC Symb	chr5:13722	NM_00110	XM_01700	.	.	NP_00109	XP_005272	protein_co	ENSG0000	51306	1335
FAM13C	0.088016	0.071668	0.021996	0.028404	0	0	family with sequence similarity 13 member C [Source:HGNC Symb	chr10:6093	NM_00100	XM_01701	.	.	NP_00100	XP_005269	protein_co	ENSG0000	220965	19371
FAM149A	2.26777	3.02697	3.10304	1.71004	2.03657	2.38727	family with sequence similarity 149 member A [Source:HGNC Syn	chr4:18702	NM_00100	XM_01700	.	.	NP_00100	XP_005262	protein_co	ENSG0000	25854	24527
FAM149B1	2.24393	2.12603	3.32009	2.18434	2.22832	3.12316	family with sequence similarity 149 member B1 [Source:HGNC Sy	chr10:7492	NM_17334	XM_01153	.	.	NP_77548	XP_005269	protein_co	ENSG0000	317662	29162
FAM150A	0	0	0	0	0	0	family with sequence similarity 150 member A [Source:HGNC Syn	chr8:53446	NM_20741	.	.	.	NP_99729	.	protein_co	ENSG0000	389658	33775
FAM150B	0	0	0	0	0	0	family with sequence similarity 150 member B [Source:HGNC Syn	chr2:27955	NM_00100	XM_00671	.	.	NP_00100	XP_005264	protein_co	ENSG0000	285016	27683
FAM151A	0	0	0.031214	0.117198	0	0.039674	family with sequence similarity 151 member A [Source:HGNC Syn	chr1:55013	NM_17678	XM_00671	.	.	NP_78895	XP_006710	protein_co	ENSG0000	338094	25032
FAM151B	0.202241	0.270906	0.438374	0.23039	0.447869	0.294145	family with sequence similarity 151 member B [Source:HGNC Syn	chr5:79783	NM_20554	XM_01154	.	.	NP_99111	XP_006714	protein_co	ENSG0000	167555	33716
FAM153A	0	0	0	0	0	0	family with sequence similarity 153 member A [Source:HGNC Syn	chr5:17714	NM_17366	XM_01153	.	.	NP_77593	XP_005265	protein_co	ENSG0000	285596	29940
FAM153B	0	0	0	0	0	0	family with sequence similarity 153 member B [Source:HGNC Syn	chr5:17548	NM_00126	.	NR_03840	.	NP_00125	.	protein_co	ENSG0000	100507387	27323
FAM153C	0	0	0	0	0	0	family with sequence similarity 153 member C [Source:HGNC Syn	chr5:17743	.	.	.	.	.	.	protein_co	ENSG0000	.	33936
FAM155A	0	0	0	0	0	0.010051	family with sequence similarity 155 member A [Source:HGNC Syn	chr13:1078	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	728215	33877
FAM155B	6.0071	6.79514	4.60081	5.48837	5.81836	3.51021	family with sequence similarity 155 member B [Source:HGNC Syn	chrX:68725	NM_01568	.	.	.	NP_05650	.	protein_co	ENSG0000	27112	30701
FAM156A	0.062442	0.189039	0.033714	0.207127	0.277622	0.112806	family with sequence similarity 156 member A [Source:HGNC Syn	chrX:52976	NM_00124	XM_01153	.	.	NP_00122	XP_005262	protein_co	ENSG0000	727866	30114
FAM156B	0.850186	0.880339	0.473303	0.567634	0.700369	0.262377	family with sequence similarity 156 member B [Source:HGNC Syn	chrX:52926	NM_00109	XM_01153	.	.	NP_00109	XP_005262	protein_co	ENSG0000	727866	31962
FAM159A	0	0	0	0	0	0	family with sequence similarity 159 member A [Source:HGNC Syn	chr1:53099	NM_00104	.	NR_13515	.	NP_00103	.	protein_co	ENSG0000	348378	28757
FAM159B	0	0	0	0	0	0	family with sequence similarity 159 member B [Source:HGNC Syn	chr5:63986	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	100132916	34236
FAM160A1	1.94838	1.86268	2.1108	1.57408	1.58684	2.14371	family with sequence similarity 160 member A1 [Source:HGNC Sy	chr4:15233	NM_00110	XM_01153	.	.	NP_00110	XP_005263	protein_co	ENSG0000	729830	34237
FAM160A2	11.7395	11.1041	11.3619	11.5666	11.1423	11.0824	family with sequence similarity 160 member A2 [Source:HGNC Sy	chr11:6232	NM_00109	XM_01152	.	.	NP_00109	XP_006718	protein_co	ENSG0000	84067	25378
FAM160B1	6.75519	6.82331	6.97985	4.83284	5.7331	7.51006	family with sequence similarity 160 member B1 [Source:HGNC Sy	chr10:1165	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	57700	29320
FAM160B2	11.0959	10.9648	10.9404	9.67599	8.89598	8.61857	family with sequence similarity 160 member B2 [Source:HGNC Sy	chr8:21946	NM_02274	XM_01154	.	.	NP_07358	XP_006716	protein_co	ENSG0000	64760	16492
FAM161A	4.23972	4.59123	5.13426	3.86474	4.40209	4.08495	family with sequence similarity 161 member A [Source:HGNC Syn	chr2:62051	NM_00120	XM_01700	.	.	NP_00118	XP_016860	protein_co	ENSG0000	84140	25808
FAM161B	1.34455	1.34921	0.907736	0.831592	1.05189	0.999357	family with sequence similarity 161 member B [Source:HGNC Syn	chr14:7431	NM_15244	XM_01153	.	.	NP_68965	XP_011534	protein_co	ENSG0000	145483	19854
FAM162A	46.5397	48.27	53.2705	64.772	48.6326	58.1814	family with sequence similarity 162 member A [Source:HGNC Syn	chr3:12210	NM_01436	.	.	.	NP_05518	.	protein_co	ENSG0000	26355	17865
FAM162B	0	0	0	0	0	0	family with sequence similarity 162 member B [Source:HGNC Syn	chr6:11707	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	221303	21549
FAM163A	0	0	0.023986	0	0	0	family with sequence similarity 163 member A [Source:HGNC Syn	chr1:17971	NM_17350	XM_01700	.	.	NP_77578	XP_005244	protein_co	ENSG0000	148753	28274
FAM163B	0	0	0	0	0	0	family with sequence similarity 163 member B [Source:HGNC Syn	chr9:13644	NM_00108	XM_01151	.	.	NP_00107	XP_005272	protein_co	ENSG0000	642968	33277
FAM166A	0	0.070902	0.062313	0.076554	0	0	family with sequence similarity 166 member A [Source:HGNC Syn	chr9:14013	NM_00100	XM_01151	.	.	NP_00100	XP_011516	protein_co	ENSG0000	401565	33818
FAM166B	0.358566	0.51206	0.429288	0.957863	0.874592	1.11449	family with sequence similarity 166 member B [Source:HGNC Syn	chr9:35538	NM_00109	XM_01151	.	.	NP_00109	XP_011516	protein_co	ENSG0000	730112	34242
FAM167A	2.99025	2.41285	2.39468	1.54225	1.4902	3.34151	family with sequence similarity 167 member A [Source:HGNC Syn	chr8:11278	NM_05327	XM_01154	.	.	NP_44450	XP_005272	protein_co	ENSG0000	83648	15549
FAM167B	0.655107	0.552068	0.242757	0.398384	0.215579	0.62268	family with sequence similarity 167 member B [Source:HGNC Syn	chr1:32712	NM_03264	.	.	.	NP_11603	.	protein_co	ENSG0000	84734	28133
FAM168A	12.6988	14.9166	14.8431	12.2497	13.3637	12.97	family with sequence similarity 168 member A [Source:HGNC Syn	chr11:7311	NM_00128	XM_00671	.	.	NP_00127	XP_016872	protein_co	ENSG0000	23201	28999
FAM168B	52.0746	55.9121	58.6589	56.304	58.962	61.8198	family with sequence similarity 168 member B [Source:HGNC Syn	chr2:13180	NM_00100	XM_01700	.	.	NP_00100	XP_005263	protein_co	ENSG0000	130074	27016
FAM169A	7.06802	6.93529	6.49709	6.14339	8.06668	8.3102	family with sequence similarity 169 member A [Source:HGNC Syn	chr5:73923	NM_01556	XM_01154	.	.	NP_05638	XP_005248	protein_co	ENSG0000	26049	29138
FAM170A	0	0	0.041491	0	0	0	family with sequence similarity 170 member A [Source:HGNC Syn	chr5:11896	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	340069	27963
FAM170B	0	0	0.046947	0	0	0	family with sequence similarity 170 member B [Source:HGNC Syn	chr10:5033	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	170370	19736

FAM171A1	14.9639	15.2133	15.7836	12.9105	12.1837	10.057	family with sequence similarity 171 member A1 [Source:HGNC Sy	chr10:1525	NM_00101	XM_01701	.	.	NP_00101	XP_011517	protein_co	ENSG0000	221061	23522
FAM171A2	10.289	9.577	10.5945	14.3994	13.4601	11.4828	family with sequence similarity 171 member A2 [Source:HGNC Sy	chr17:4243	NM_19847	.	.	.	NP_94087	.	protein_co	ENSG0000	284069	30480
FAM171B	5.10812	5.19252	4.649	4.99782	6.12157	7.17366	family with sequence similarity 171 member B [Source:HGNC Syn	chr2:18755	NM_17745	XM_00524	.	.	NP_80323	.	protein_co	ENSG0000	165215	29412
FAM172A	5.76518	7.20419	6.68818	3.92023	5.04907	6.71409	family with sequence similarity 172 member A [Source:HGNC Syn	chr5:92953	NM_00116	XM_01154	NR_03175	.	NP_00115	XP_005272	protein_co	ENSG0000	100313887	25365
FAM173A	29.6467	27.5955	25.5402	23.5554	22.5063	17.6086	family with sequence similarity 173 member A [Source:HGNC Syn	chr16:7709	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	65990	14152
FAM173B	10.947	10.1919	8.37105	9.09763	10.1718	9.91056	family with sequence similarity 173 member B [Source:HGNC Syn	chr5:10226	NM_00125	XM_01151	.	.	NP_00124	XP_011512	protein_co	ENSG0000	134145	27029
FAM174A	6.41402	10.0025	6.77799	9.01556	7.88991	7.55456	family with sequence similarity 174 member A [Source:HGNC Syn	chr5:99871	NM_19850	.	.	.	NP_94090	XP_006714	protein_co	ENSG0000	345757	24943
FAM174B	0.034006	0	0.058426	0.07491	0.107749	0.070684	family with sequence similarity 174 member B [Source:HGNC Syn	chr15:9316	NM_20744	.	.	.	NP_99732	.	protein_co	ENSG0000	400451	34339
FAM175A	7.33943	5.35394	8.0467	4.96721	5.33	7.63559	family with sequence similarity 175 member A [Source:HGNC Syn	chr4:84377	NM_13907	XM_01700	.	.	NP_62077	XP_005263	protein_co	ENSG0000	84142	25829
FAM175B	16.4252	17.7093	15.1775	15.9256	17.8959	17.8407	family with sequence similarity 175 member B [Source:HGNC Syn	chr10:1264	NM_03218	XM_01153	.	.	NP_11555	XP_011537	protein_co	ENSG0000	23172	28975
FAM177A1	26.8604	25.1532	27.9342	23.8102	22.0335	25.8505	family with sequence similarity 177 member A1 [Source:HGNC Sy	chr14:3551	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	283635	19829
FAM177B	0	0	0	0	0	0	family with sequence similarity 177 member B [Source:HGNC Syn	chr1:22291	NM_20746	.	.	.	NP_00131	XP_016856	protein_co	ENSG0000	400823	34395
FAM178B	0	0	0	0	0.197402	0	family with sequence similarity 178 member B [Source:HGNC Syn	chr2:97541	NM_00112	XM_01151	.	.	NP_00111	XP_011509	protein_co	ENSG0000	51252	28036
FAM179A	0.048119	0.024847	0.088563	0.04666	0.040721	0.055719	family with sequence similarity 179 member A [Source:HGNC Syn	chr2:29204	NM_19928	XM_01153	.	.	NP_95497	XP_016858	protein_co	ENSG0000	165186	33715
FAM179B	0.492875	0.353005	0.366447	0.452596	0.541652	0.342229	family with sequence similarity 179 member B [Source:HGNC Syn	chr14:4543	NM_00130	XM_01153	.	.	NP_00129	XP_005267	protein_co	ENSG0000	23116	19959
FAM180A	0.323989	0.582997	0.125189	0.078091	0.161253	0.286344	family with sequence similarity 180 member A [Source:HGNC Syn	chr7:13541	NM_20585	XM_00671	.	.	NP_99532	XP_006716	protein_co	ENSG0000	389558	33773
FAM180B	0	0	0.050933	0	0.067531	0.06328	family with sequence similarity 180 member B [Source:HGNC Syn	chr11:4760	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	399888	34451
FAM181A	0	0	0	0	0	0	family with sequence similarity 181 member A [Source:HGNC Syn	chr14:9438	NM_00120	.	.	.	NP_00119	XP_011535	protein_co	ENSG0000	90050	20491
FAM181B	0	0	0	0	0	0	family with sequence similarity 181 member B [Source:HGNC Syn	chr11:8244	NM_17588	.	.	.	NP_78708	.	protein_co	ENSG0000	220382	28512
FAM182B	0.05581	0	0	0	0	0.061098	family with sequence similarity 182 member B [Source:HGNC Syn	chr20:2575	.	.	NR_02706	.	.	.	protein_co	ENSG0000	728882	34503
FAM183A	0	0	0.25391	0.156519	0	0	family with sequence similarity 183 member A [Source:HGNC Syn	chr1:43610	NM_00110	XM_00527	.	.	NP_00109	XP_005270	protein_co	ENSG0000	440585	34347
FAM184A	0.676286	0.62919	0.682372	0.791994	0.874629	0.988887	family with sequence similarity 184 member A [Source:HGNC Syn	chr6:11928	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	79632	20991
FAM184B	0.039411	0.030258	0.034398	0	0	0.010284	family with sequence similarity 184 member B [Source:HGNC Syn	chr4:17616	NM_01568	XM_01151	.	.	NP_05650	.	protein_co	ENSG0000	27146	29235
FAM185A	2.43106	2.65815	2.67944	1.96317	2.18132	2.41466	family with sequence similarity 185 member A [Source:HGNC Syn	chr7:10238	NM_00114	XM_01151	.	.	NP_00113	XP_006715	protein_co	ENSG0000	222234	22412
FAM186A	0	0	0	0	0	0	family with sequence similarity 186 member A [Source:HGNC Syn	chr12:5072	NM_00114	XM_01153	.	.	NP_00113	XP_006719	protein_co	ENSG0000	121006	26980
FAM186B	0.076434	0.115367	0.113392	0	0.044102	0.103429	family with sequence similarity 186 member B [Source:HGNC Syn	chr12:4997	NM_03213	XM_01153	.	.	NP_11550	XP_006719	protein_co	ENSG0000	84070	25296
FAM187A	1.14166	1.05378	1.23226	0.871821	0.705093	1.00857	family with sequence similarity 187 member A [Source:HGNC Syn	chr17:4297	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	388389	35153
FAM187B	0	0	0	0	0	0	family with sequence similarity 187 member B [Source:HGNC Syn	chr19:3571	NM_15248	.	.	.	NP_68969	.	protein_co	ENSG0000	148109	26366
FAM188A	9.40145	8.93	9.15367	10.2598	11.708	12.1421	family with sequence similarity 188 member A [Source:HGNC Syn	chr10:1582	NM_02494	XM_01151	.	.	NP_07922	XP_005252	protein_co	ENSG0000	80013	23578
FAM188B	2.16846	2.63022	2.85785	3.21089	3.25315	1.93736	family with sequence similarity 188 member B [Source:HGNC Syn	chr7:30811	NM_03222	.	.	.	NP_11559	.	protein_co	ENSG0000	84182	21916
FAM189A1	0.282515	0.229808	0.363621	0.325279	0.42633	0.802098	family with sequence similarity 189 member A1 [Source:HGNC Sy	chr15:2941	NM_01530	XM_01152	.	.	NP_05612	XP_011519	protein_co	ENSG0000	23359	29075
FAM189A2	0.904741	1.27984	1.26266	0.511941	0.748426	0.865243	family with sequence similarity 189 member A2 [Source:HGNC Sy	chr9:71939	NM_00112	XM_01701	.	.	NP_00112	XP_005252	protein_co	ENSG0000	9413	24820
FAM189B	30.8761	32.2292	32.4224	30.3379	25.8938	21.6113	family with sequence similarity 189 member B [Source:HGNC Syn	chr1:15521	NM_00126	XM_00671	.	.	NP_00125	XP_005244	protein_co	ENSG0000	10712	1233
FAM192A	34.4121	32.9696	30.2152	35.4104	27.7364	27.573	family with sequence similarity 192 member A [Source:HGNC Syn	chr16:5718	NM_02494	XM_01702	.	.	NP_07922	XP_005256	protein_co	ENSG0000	80011	29856
FAM193A	4.48923	4.03273	3.75409	3.60084	3.62846	3.34817	family with sequence similarity 193 member A [Source:HGNC Syn	chr4:25383	NM_00125	XM_01151	.	.	NP_00124	XP_006713	protein_co	ENSG0000	8603	16822
FAM193B	8.33452	7.68935	6.76526	8.17637	6.73167	6.25279	family with sequence similarity 193 member B [Source:HGNC Syn	chr5:17694	NM_00119	XM_01153	.	.	NP_00117	XP_006714	protein_co	ENSG0000	54540	25524
FAM196A	0	0	0	0	0	0	family with sequence similarity 196 member A [Source:HGNC Syn	chr10:1285	NM_00103	XM_01154	.	.	NP_00103	XP_005252	protein_co	ENSG0000	642938	33859
FAM196B	0	0	0	0	0	0	family with sequence similarity 196 member B [Source:HGNC Syn	chr5:16906	NM_00112	XM_01153	.	.	NP_00112	XP_011532	protein_co	ENSG0000	100131897	37271
FAM198A	0.711946	0.671784	0.614635	0.938526	0.982859	0.676087	family with sequence similarity 198 member A [Source:HGNC Syn	chr3:43021	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	729085	24485
FAM198B	1.02686	0.801569	0.799006	0.90664	1.10017	0.334271	family with sequence similarity 198 member B [Source:HGNC Syn	chr4:15904	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	51313	25312
FAM199X	10.605	11.9359	12.4238	10.5251	11.8062	12.0999	family with sequence similarity 199, X-linked [Source:HGNC Symb	chrX:10341	NM_20731	XM_01702	.	.	NP_99720	XP_005262	protein_co	ENSG0000	139231	25195
FAM19A1	0	0	0	0	0	0	family with sequence similarity 19 member A1, C-C motif chemok	chr3:68053	NM_00125	.	.	.	NP_00123	XP_016861	protein_co	ENSG0000	407738	21587
FAM19A2	0.251162	0.297803	0.440084	0.135215	0.186513	0.324356	family with sequence similarity 19 member A2, C-C motif chemok	chr12:6210	NM_17853	XM_01153	.	.	NP_84863	XP_006719	protein_co	ENSG0000	338811	21589
FAM19A3	1.60238	1.90621	1.88061	1.34642	1.35004	0.730429	family with sequence similarity 19 member A3, C-C motif chemok	chr1:11326	NM_00100	XM_00671	.	.	NP_00100	XP_005270	protein_co	ENSG0000	284467	21590
FAM19A4	0	0	0.111977	0.049097	0.096007	0.127871	family with sequence similarity 19 member A4, C-C motif chemok	chr3:68780	NM_00100	XM_01153	.	.	NP_00100	XP_011531	protein_co	ENSG0000	151647	21591
FAM19A5	0	0	0	0	0	0	family with sequence similarity 19 member A5, C-C motif chemok	chr22:4888	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	25817	21592
FAM200A	3.29671	2.79759	3.19137	3.0548	4.11404	4.1148	family with sequence similarity 200 member A [Source:HGNC Syn	chr7:99143	NM_14511	XM_01151	.	.	NP_65980	XP_005250	protein_co	ENSG0000	221786	25401
FAM200B	3.78048	4.0072	3.48238	4.57011	4.97968	4.90634	family with sequence similarity 200 member B [Source:HGNC Syn	chr4:15683	NM_00114	XM_01700	.	.	NP_00113	XP_016863	protein_co	ENSG0000	285550	27740
FAM203B	0.515963	0.460253	0.651671	0.453899	0.699839	0.479679	family with sequence similarity 203, member B [Source:HGNC Syr	chr8:14543	.	.	.	.	.	.	protein_co	ENSG0000	728071	32323
FAM204A	29.9196	25.274	24.0819	25.3409	26.2797	25.0412	family with sequence similarity 204 member A [Source:HGNC Syn	chr10:1200	NM_00113	XM_00671	.	.	NP_00112	XP_005270	protein_co	ENSG0000	63877	25794
FAM205A	0	0	0	0	0	0	family with sequence similarity 205 member A [Source:HGNC Syn	chr9:34723	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	259308	41911
FAM205C	0	0	0	0	0	0	family with sequence similarity 205 member C [Source:HGNC Syn	chr9:34889	NM_00130	XM_01701	.	.	NP_00129	XP_016869	protein_co	ENSG0000	100129969	42673
FAM206A	14.1528	12.3973	15.3817	10.047	14.9867	13.4116	family with sequence similarity 206 member A [Source:HGNC Syn	chr9:11169	NM_01783	XM_01151	.	.	NP_06030	XP_011517	protein_co	ENSG0000	54942	1364
FAM207A	30.4626	29.8601	26.8233	34.9296	27.5711	26.6479	family with sequence similarity 207 member A [Source:HGNC Syn	chr21:4635	NM_00131	XM_00526	.	.	NP_00130	XP_005261	protein_co	ENSG0000	85395	15811
FAM208A	10.4458	10.4781	10.6636	8.66083	13.184	12.8495	family with sequence similarity 208 member A [Source:HGNC Syn	chr3:56591	NM_00111	XM_01153	.	.	NP_00110	XP_005265	protein_co	ENSG0000	23272	30314
FAM208B	19.7321	20.6742	21.3138	16.1018	20.5335	18.4202	family with sequence similarity 208 member B [Source:HGNC Syn	chr10:5726	NM_00132	XM_01701	.	.	NP_00130	XP_005252	protein_co	ENSG0000	54906	23484
FAM209A	0.297302	0.101609	0.341483	0.218174	0.336488	0.311213	family with sequence similarity 209 member A [Source:HGNC Syn	chr20:5504	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	200232	16100
FAM209B	0.282865	0.293295	0.736753	0.314528	0.638262	0.145561	family with sequence similarity 209 member B [Source:HGNC Syn	chr20:5510	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	388799	16101
FAM20A	0	0	0	0	0.027591	0	family with sequence similarity 20 member A [Source:HGNC Symb	chr17:6650	NM_00124	XM_01152	NR_02775	.	NP_00123	XP_006722	protein_co	ENSG0000	54757	23015

FAM20B	12.2833	11.9655	12.6746	11.0341	13.3074	17.5728	family with sequence similarity 20 member B [Source:HGNC Symb	chr1:17899	NM_00132	XM_01151	.	.	NP_00131	XP_011508	protein_co	ENSG0000	9917	23017
FAM20C	9.3165	10.4942	10.3921	13.4675	12.4136	10.4346	family with sequence similarity 20 member C [Source:HGNC Symb	chr7:19296	NM_02022	.	.	.	NP_064608	.	protein_co	ENSG0000	56975	22140
FAM210A	7.91954	8.76552	7.59343	8.72006	9.52855	9.02837	family with sequence similarity 210 member A [Source:HGNC Sym	chr18:1366	NM_00109	XM_00672	.	.	NP_00109	XP_006722	protein_co	ENSG0000	125228	28346
FAM210B	13.3891	13.9783	17.9136	12.095	13.9594	14.757	family with sequence similarity 210 member B [Source:HGNC Sym	chr20:5493	NM_08082	.	.	.	NP_54301	.	protein_co	ENSG0000	116151	16102
FAM212A	1.62691	1.9839	1.76202	1.88857	1.62626	0.914265	family with sequence similarity 212 member A [Source:HGNC Sym	chr3:49840	NM_20337	.	.	.	NP_976248	.	protein_co	ENSG0000	389119	32480
FAM212B	1.8889	2.07593	2.59804	2.0835	2.3102	1.44827	family with sequence similarity 212 member B [Source:HGNC Sym	chr1:11226	NM_01909	XM_01154	NR_12596	.	NP_06197	XP_011540	protein_co	ENSG0000	101928718	28045
FAM213A	3.67968	3.00413	4.26058	1.58253	1.41341	1.80501	family with sequence similarity 213 member A [Source:HGNC Sym	chr10:8216	NM_00124	XM_01701	.	.	NP_00123	XP_011538	protein_co	ENSG0000	84293	28651
FAM213B	20.9904	22.6015	22.5938	21.9496	19.5076	14.2043	family with sequence similarity 213 member B [Source:HGNC Sym	chr1:25181	NM_00119	XM_01154	NR_036638	.	NP_00118	XP_006710	protein_co	ENSG0000	127281	28390
FAM214A	1.32293	1.22296	1.99284	0.998373	1.2312	1.5748	family with sequence similarity 214 member A [Source:HGNC Sym	chr15:5287	NM_00128	XM_01152	.	.	NP_00127	XP_005254	protein_co	ENSG0000	56204	25609
FAM214B	6.8223	6.79862	7.21922	6.42512	5.50753	5.95109	family with sequence similarity 214 member B [Source:HGNC Sym	chr9:35104	NM_00131	XM_01151	.	.	NP_00130	XP_005251	protein_co	ENSG0000	80256	25666
FAM216A	9.06645	7.92887	9.01036	10.8343	9.84641	7.98461	family with sequence similarity 216 member A [Source:HGNC Sym	chr12:1108	NM_01330	XM_00525	.	.	NP_03743	XP_005253	protein_co	ENSG0000	29902	30180
FAM216B	0	0	0	0	0	0	family with sequence similarity 216 member B [Source:HGNC Sym	chr13:4335	NM_00131	XM_00526	.	.	NP_00130	XP_005266	protein_co	ENSG0000	144809	26883
FAM217A	0	0	0	0	0	0	family with sequence similarity 217 member A [Source:HGNC Sym	chr6:40685	NM_17356	XM_01151	.	.	NP_77583	XP_005249	protein_co	ENSG0000	222826	21362
FAM217B	4.96084	5.29553	4.84912	4.67987	5.90066	4.53386	family with sequence similarity 217 member B [Source:HGNC Sym	chr20:5850	NM_00119	XM_01152	.	.	NP_00117	XP_011527	protein_co	ENSG0000	63939	16170
FAM218A	0	0	0	0	0	0	family with sequence similarity 218 member A [Source:HGNC Sym	chr4:16587	NM_15302	.	.	.	NP_69457	.	protein_co	ENSG0000	152756	26466
FAM219A	6.13005	6.04948	5.86416	7.55236	6.16217	4.75727	family with sequence similarity 219 member A [Source:HGNC Sym	chr9:34398	NM_00118	XM_01151	.	.	NP_00117	XP_011516	protein_co	ENSG0000	203259	19920
FAM219B	14.0104	15.9668	14.2245	10.3123	9.43739	11.441	family with sequence similarity 219 member B [Source:HGNC Sym	chr15:7518	NM_00132	XM_00525	.	.	NP_00130	XP_005254	protein_co	ENSG0000	57184	24695
FAM21A	0.876946	0.854475	1.03471	0.741005	0.720577	0.745277	family with sequence similarity 21 member A [Source:HGNC Symb	chr10:5182	NM_00100	XM_01701	.	.	NP_00100	XP_005269	protein_co	ENSG0000	387680	23416
FAM21B	0.927529	0.723566	0.8092	0.820809	0.781943	0.700859	family with sequence similarity 21, member B [Source:HGNC Sym	chr10:4789	NM_01823	XM_00527	.	XR_247516	NP_06070	XP_005272	protein_co	ENSG0000	55747	23417
FAM21C	2.9248	2.70321	2.54482	2.42286	2.65601	2.23826	family with sequence similarity 21 member C [Source:HGNC Symb	chr10:4622	NM_00116	XM_01701	.	.	NP_00116	XP_011537	protein_co	ENSG0000	253725	23414
FAM21D	0	0	0	0	0	0	family with sequence similarity 21, member D [Source:HGNC Sym	chr10:5118	.	.	.	.	.	.	protein_co	ENSG0000	.	23418
FAM220A	17.9517	12.6167	13.8475	9.75626	13.7184	14.5586	family with sequence similarity 220 member A [Source:HGNC Sym	chr7:63690	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	84792	22422
FAM221A	2.36646	2.60871	3.22546	0	0	0	family with sequence similarity 221 member A [Source:HGNC Sym	chr7:23719	NM_00112	XM_01151	.	.	NP_00112	XP_011513	protein_co	ENSG0000	340277	27977
FAM221B	0	0	0	0	0	0	family with sequence similarity 221 member B [Source:HGNC Sym	chr9:35812	NM_00101	.	.	.	NP_00101	XP_006716	protein_co	ENSG0000	392307	30762
FAM222A	2.64809	3.19835	2.77563	4.05681	4.12978	3.36765	family with sequence similarity 222 member A [Source:HGNC Sym	chr12:1101	NM_03282	XM_00671	.	.	NP_11621	XP_006719	protein_co	ENSG0000	84915	25915
FAM222B	8.73021	9.43498	10.0934	8.66221	8.44662	8.0825	family with sequence similarity 222 member B [Source:HGNC Sym	chr17:2708	NM_00107	XM_01702	.	.	NP_00107	XP_011523	protein_co	ENSG0000	55731	25563
FAM227A	1.42594	1.37687	1.46694	0.834389	0.948226	1.0366	family with sequence similarity 227 member A [Source:HGNC Sym	chr22:3897	NM_00101	XM_01153	.	XR_937892	NP_00101	XP_006724	protein_co	ENSG0000	646851	44197
FAM227B	1.75042	1.57224	1.94551	0.993623	1.38697	1.18976	family with sequence similarity 227 member B [Source:HGNC Sym	chr15:4944	NM_15264	XM_01152	.	.	NP_68986	XP_005254	protein_co	ENSG0000	196951	26543
FAM228A	0	0	0	0.095533	0	0	family with sequence similarity 228 member A [Source:HGNC Sym	chr2:24397	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	653140	34418
FAM228B	0.242694	0.569551	0.702193	0.6951	0.441344	1.00561	family with sequence similarity 228 member B [Source:HGNC Sym	chr2:24299	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	375190	24736
FAM229A	2.14086	1.41349	2.50689	2.25418	0.512001	2.97165	family with sequence similarity 229 member A [Source:HGNC Sym	chr1:32826	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	100128071	44652
FAM229B	9.72039	7.43889	11.3286	16.7213	9.84184	12.5148	family with sequence similarity 229 member B [Source:HGNC Sym	chr6:11240	NM_00103	.	.	.	NP_00102	XP_016866	protein_co	ENSG0000	619208	33858
FAM230A	0	0	0	0	0.012977	0	.	chr22:2069	.	.	.	.	.	.	antisense	ENSG0000	.	.
FAM231A	0	0	0	0	0	0	family with sequence similarity 231 member A [Source:HGNC Sym	chr1:16999	NM_00128	.	.	.	NP_00126	XP_006726	protein_co	ENSG0000	10272338	49427
FAM231C	0	0	0	0	0	0	family with sequence similarity 231 member C [Source:HGNC Sym	chr1:17060	.	XM_00671	.	.	NP_00129	XP_006711	protein_co	ENSG0000	10272338	49508
FAM231D	5.54E-08	5.82E-08	0.022616	0.058386	0.047973	0.025844	family with sequence similarity 231 member D [Source:HGNC Sym	chr1:14967	.	.	.	.	.	XP_005276	protein_co	ENSG0000	10099672	49509
FAM234A	10.9258	10.6937	13.9223	9.13896	8.54737	10.6405	family with sequence similarity 234 member A [Source:HGNC Sym	chr16:2845	NM_00128	XM_01702	.	.	NP_00127	XP_005255	protein_co	ENSG0000	83986	14163
FAM234B	5.8779	6.52689	7.98912	6.49182	7.44014	9.86033	family with sequence similarity 234 member B [Source:HGNC Sym	chr12:1319	NM_02085	.	.	.	NP_06590	XP_016875	protein_co	ENSG0000	57613	29288
FAM24A	0	0	0	0	0	0	family with sequence similarity 24 member A [Source:HGNC Symb	chr10:1246	NM_00102	.	.	.	NP_00102	XP_016871	protein_co	ENSG0000	118670	23470
FAM24B	4.03818	3.79434	3.77457	2.8248	3.00637	1.94795	family with sequence similarity 24 member B [Source:HGNC Symb	chr10:1245	NM_00120	.	NR_03791	.	NP_00119	.	protein_co	ENSG0000	196792	23475
FAM25A	3.80762	2.6178	2.82336	8.99163	2.0869	4.1697	family with sequence similarity 25 member A [Source:HGNC Symb	chr10:8878	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	643161	23436
FAM25B	0	0	0	0	0	0	family with sequence similarity 25 member G [Source:HGNC Symb	chr10:4717	NM_00113	.	.	.	NP_00113	.	protein_co	ENSG0000	100133093	23590
FAM25C	0	0	0	0	0	0	family with sequence similarity 25 member C [Source:HGNC Symb	chr10:4920	NM_00113	.	.	.	NP_00113	.	protein_co	ENSG0000	644054	23586
FAM25G	0	0	0	0	0	0	family with sequence similarity 25 member G [Source:HGNC Symb	chr10:4824	NM_00113	.	.	.	NP_00113	.	protein_co	ENSG0000	100133093	23590
FAM26D	0.084263	0	0	0	0	0	family with sequence similarity 26 member D [Source:HGNC Symb	chr6:11681	NM_00125	XM_01153	.	.	NP_00124	XP_005266	protein_co	ENSG0000	221301	21094
FAM26E	0.145821	0.11313	0.147847	0.194225	0.107034	0.094461	family with sequence similarity 26 member E [Source:HGNC Symb	chr6:11681	NM_15371	.	.	.	NP_71492	.	protein_co	ENSG0000	254228	21568
FAM26F	0.21653	0.909336	0.188413	0	0	0.426705	family with sequence similarity 26 member F [Source:HGNC Symb	chr6:11678	NM_00101	XM_01153	.	.	NP_00101	XP_005267	protein_co	ENSG0000	441168	33391
FAM27A	0.621154	0.122693	0.324853	0.662834	0.289539	0.137005	family with sequence similarity 27, member A [Source:HGNC Sym	chr9:45727	.	.	.	.	.	.	protein_co	ENSG0000	.	19729
FAM27B	0	0	0	0	0	0	family with sequence similarity 27 member B [Source:HGNC Symb	chr9:67792	.	.	.	.	.	.	processed_	ENSG0000	.	23667
FAM27D1	0	0	0	0	0	0	family with sequence similarity 27 member D1 [Source:HGNC Sym	chr9:46389	.	.	.	.	.	.	processed_	ENSG0000	.	32015
FAM27E1	0.049802	0.050093	0	0	0.114365	0	family with sequence similarity 27, member E1 [Source:HGNC Sym	chr9:46385	.	.	.	.	.	.	protein_co	ENSG0000	.	32014
FAM27E2	0.048774	0	0	0.106216	0.11199	0.052413	family with sequence similarity 27 member E2 [Source:HGNC Sym	chr9:45733	.	.	.	.	.	.	processed_	ENSG0000	.	32013
FAM27E3	0.089579	0.31586	0.155673	0.195669	0.308	0.287968	family with sequence similarity 27 member E3 [Source:HGNC Sym	chr9:67784	.	.	NR_10383	.	.	.	transcribed	ENSG0000	100131997	28655
FAM32A	66.3173	63.5408	62.6612	71.3201	66.8055	57.3037	family with sequence similarity 32 member A [Source:HGNC Symb	chr19:1629	NM_01407	.	.	.	NP_05479	.	protein_co	ENSG0000	26017	24563
FAM35A	13.2556	12.2915	12.6934	13.5586	17.2935	17.6889	family with sequence similarity 35 member A [Source:HGNC Symb	chr10:8885	NM_01905	XM_01701	.	.	NP_06192	XP_005269	protein_co	ENSG0000	54537	28773
FAM3A	6.67235	6.81354	7.97882	6.157	4.58547	5.26703	family with sequence similarity 3 member A [Source:HGNC Symbo	chrX:15373	NM_00117	XM_00672	.	.	NP_00116	XP_005274	protein_co	ENSG0000	60343	13749
FAM3B	0	0	0.072245	0	0.093113	0	family with sequence similarity 3 member B [Source:HGNC Symbo	chr21:4268	NM_05818	XM_01152	.	.	NP_47806	XP_011527	protein_co	ENSG0000	54097	1253
FAM3C	55.2303	62.8607	90.7656	54.7517	58.3408	79.4077	family with sequence similarity 3 member C [Source:HGNC Symbo	chr7:12098	NM_00104	XM_01151	.	.	NP_00103	XP_011514	protein_co	ENSG0000	10447	18664
FAM3D	0	0	0	0.058789	0	0	family with sequence similarity 3 member D [Source:HGNC Symbo	chr3:58619	NM_13880	XM_01153	.	.	NP_62016	XP_005264	protein_co	ENSG0000	131177	18665

FAM43A	6.79855	6.96137	6.05325	4.47457	6.35317	9.65797	family with sequence similarity 43 member A [Source:HGNC Symb	chr3:19440	NM_15369	.	.	.	NP_710157	.	protein_co	ENSG0000	131583	26888
FAM43B	0	0	0	0	0	0	family with sequence similarity 43 member B [Source:HGNC Symb	chr1:20878	NM_20733	.	.	.	NP_997217	.	protein_co	ENSG0000	163933	31791
FAM45A	8.65296	8.81593	11.2795	8.88974	10.7727	12.7898	family with sequence similarity 45 member A [Source:HGNC Symb	chr10:1208	NM_00130	XM_01153	.	.	NP_00129	XP_006717	protein_co	ENSG0000	404636	31793
FAM46A	9.02985	9.04972	7.3117	10.809	12.5587	10.4464	family with sequence similarity 46 member A [Source:HGNC Symb	chr6:82455	NM_01763	.	.	.	NP_06010	.	protein_co	ENSG0000	55603	18345
FAM46B	4.11604	4.53409	3.2035	3.63051	3.09154	2.31444	family with sequence similarity 46 member B [Source:HGNC Symb	chr1:27331	NM_05294	.	.	.	NP_443179	.	protein_co	ENSG0000	115572	28273
FAM46C	0.779945	0.677967	1.39773	0.834676	0.958103	1.60392	family with sequence similarity 46 member C [Source:HGNC Symb	chr1:11814	NM_01770	.	.	.	NP_06017	.	protein_co	ENSG0000	54855	24712
FAM46D	0	0	0	0	0	0	family with sequence similarity 46 member D [Source:HGNC Symb	chrX:79591	NM_00117	XM_01153	.	.	NP_00116	XP_011529	protein_co	ENSG0000	169966	28399
FAM47A	0	0	0	0	0	0	family with sequence similarity 47 member A [Source:HGNC Symb	chrX:34147	NM_20340	.	.	.	NP_98195	.	protein_co	ENSG0000	158724	29962
FAM47B	0	0	0	0	0	0	family with sequence similarity 47 member B [Source:HGNC Symb	chrX:34960	NM_15263	.	.	.	NP_68984	.	protein_co	ENSG0000	170062	26659
FAM47C	0	0	0	0	0	0	family with sequence similarity 47 member C [Source:HGNC Symb	chrX:37026	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	442444	25301
FAM47E	0.454288	0.22434	0.307479	0.568612	0.271043	0.24589	family with sequence similarity 47 member E [Source:HGNC Symb	chr4:77135	NM_00113	.	.	.	NP_00113	.	protein_co	ENSG0000	100129583	34343
FAM47E-STBD1	0.370076	0.971401	0.506294	0.346314	0.167966	0.296399	FAM47E-STBD1 readthrough [Source:HGNC Symbol;Acc:HGNC:44	chr4:77135	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	100631383	44667
FAM49A	0.73481	0.647328	1.04616	1.22972	1.81984	2.64111	family with sequence similarity 49 member A [Source:HGNC Symb	chr2:16730	NM_03079	XM_00671	.	.	NP_11042	XP_005262	protein_co	ENSG0000	81553	25373
FAM49B	54.4269	48.9538	61.2084	55.3274	67.9073	80.8225	family with sequence similarity 49 member B [Source:HGNC Symb	chr8:13085	NM_00125	XM_01701	.	.	NP_00124	XP_005251	protein_co	ENSG0000	51571	25216
FAM50A	29.3149	27.2397	30.603	31.7087	25.261	24.8613	family with sequence similarity 50 member A [Source:HGNC Symb	chrX:15367	NM_00469	.	.	.	NP_00469	.	protein_co	ENSG0000	9130	18786
FAM50B	0.318051	0.184637	0.319362	0.44061	0.685662	0.94077	family with sequence similarity 50 member B [Source:HGNC Symb	chr6:38496	NM_01213	XM_01701	.	.	NP_03626	XP_016866	protein_co	ENSG0000	26240	18789
FAM53A	0.411974	0.440754	0.592528	0.517857	0.576039	0.22399	family with sequence similarity 53 member A [Source:HGNC Symb	chr4:16416	NM_00101	XM_01151	.	.	NP_00101	XP_005248	protein_co	ENSG0000	152877	31860
FAM53B	10.955	11.2068	11.4419	11.4059	10.6814	9.79796	family with sequence similarity 53 member B [Source:HGNC Symb	chr10:1263	NM_01466	.	.	.	NP_05547	.	protein_co	ENSG0000	9679	28968
FAM53C	21.3582	21.5976	21.0652	22.8342	22.1409	23.737	family with sequence similarity 53 member C [Source:HGNC Symb	chr5:13762	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	51307	1336
FAM57A	24.7487	22.8044	19.5818	28.4239	22.7244	17.5419	family with sequence similarity 57 member A [Source:HGNC Symb	chr17:6356	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	79850	29646
FAM57B	0.256362	0.22613	0.232176	0.251417	0.298659	0.572148	family with sequence similarity 57 member B [Source:HGNC Symb	chr16:3003	NM_00131	XM_01702	.	.	NP_00130	XP_005255	protein_co	ENSG0000	83723	25295
FAM58A	21.7924	22.3978	19.3488	30.5392	25.6059	16.9363	family with sequence similarity 58 member A [Source:HGNC Symb	chrX:15285	NM_00113	XM_01153	.	.	NP_00112	XP_005277	protein_co	ENSG0000	92002	28434
FAM60A	61.1171	61.1115	68.1277	66.6465	77.5804	90.2733	family with sequence similarity 60 member A [Source:HGNC Symb	chr12:3143	NM_00113	XM_01152	.	.	NP_00112	XP_005253	protein_co	ENSG0000	58516	30702
FAM63A	0.806026	0.667581	0.633144	0.725687	0.676688	0.663645	family with sequence similarity 63 member A [Source:HGNC Symb	chr1:15096	NM_00104	XM_01150	.	.	NP_00103	XP_005245	protein_co	ENSG0000	55793	25648
FAM63B	2.2478	2.49096	4.77297	2.03513	2.09238	3.3066	family with sequence similarity 63 member B [Source:HGNC Symb	chr15:5906	NM_00104	XM_01152	.	.	NP_00103	XP_011519	protein_co	ENSG0000	54629	26954
FAM64A	31.9937	28.4589	30.0234	71.7654	55.1816	43.6866	family with sequence similarity 64 member A [Source:HGNC Symb	chr17:6347	NM_00119	XM_01152	.	.	NP_00118	XP_011522	protein_co	ENSG0000	54478	25483
FAM65A	15.7718	15.9805	15.6139	19.4436	18.4698	14.3932	family with sequence similarity 65 member A [Source:HGNC Symb	chr16:6756	NM_00119	XM_01702	.	.	NP_00118	XP_011521	protein_co	ENSG0000	79567	25836
FAM65B	0	0.057573	0.01113	0	0	0.012921	family with sequence similarity 65 member B [Source:HGNC Symb	chr6:24797	NM_00128	XM_01701	.	.	NP_00127	XP_006715	protein_co	ENSG0000	9750	13872
FAM65C	0.032676	0.048556	0.07061	0.08773	0.037736	0.035705	family with sequence similarity 65 member C [Source:HGNC Symb	chr20:4920	NM_00129	XM_01152	.	.	NP_00127	XP_005260	protein_co	ENSG0000	140876	16168
FAM69A	4.72366	4.12125	5.93412	3.47704	4.27266	6.27684	family with sequence similarity 69 member A [Source:HGNC Symb	chr1:93297	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	388650	32213
FAM69B	12.1119	12.6878	14.8388	13.1184	11.7259	10.1425	family with sequence similarity 69 member B [Source:HGNC Symb	chr9:13960	NM_15242	.	.	.	NP_68963	XP_006717	protein_co	ENSG0000	138311	28290
FAM69C	0	0	0	0	0	0	family with sequence similarity 69 member C [Source:HGNC Symb	chr18:7210	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	125704	31729
FAM71A	0	0	0	0	0	0	family with sequence similarity 71 member A [Source:HGNC Symb	chr1:21279	NM_15360	.	.	.	NP_70583	.	protein_co	ENSG0000	149647	26541
FAM71B	0	0	0	0	0	0	family with sequence similarity 71 member B [Source:HGNC Symb	chr5:15658	NM_13089	.	.	.	NP_57096	.	protein_co	ENSG0000	153745	28397
FAM71C	0	0	0	0	0	0	family with sequence similarity 71 member C [Source:HGNC Symb	chr12:9903	NM_15336	.	.	.	NP_69919	.	protein_co	ENSG0000	196472	28594
FAM71D	0	0	0	0.038343	0	0.034394	family with sequence similarity 71 member D [Source:HGNC Symb	chr14:6765	NM_17352	XM_01153	.	.	NP_77579	XP_011534	protein_co	ENSG0000	161142	20101
FAM71E1	9.4851	8.66207	10.9398	21.4842	12.9259	14.133	family with sequence similarity 71 member E1 [Source:HGNC Sym	chr19:5097	NM_00130	XM_00525	.	.	NP_00129	XP_005258	protein_co	ENSG0000	112703	25107
FAM71E2	0	0	0.020459	0	0	0	family with sequence similarity 71 member E2 [Source:HGNC Sym	chr19:5586	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	284418	25278
FAM71F1	0.076166	0	0	0	0	0	family with sequence similarity 71 member F1 [Source:HGNC Sym	chr7:12834	NM_00128	.	.	.	NP_00126	XP_016868	protein_co	ENSG0000	84691	30704
FAM72A	4.69792	6.3567	5.96159	6.96795	7.74032	8.69127	family with sequence similarity 72 member A [Source:HGNC Symb	chr1:20613	NM_00112	XM_01150	.	.	NP_00111	XP_006711	protein_co	ENSG0000	729533	24044
FAM72B	2.44127	2.37055	2.53745	3.05683	4.75693	4.29967	family with sequence similarity 72 member B [Source:HGNC Symb	chr1:12083	NM_00110	XM_01154	.	.	NP_00109	XP_011540	protein_co	ENSG0000	653820	24805
FAM72C	0.484052	0.74965	0.506622	0.570355	0.625694	0.985198	family with sequence similarity 72 member C [Source:HGNC Symb	chr1:14944	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	554282	30602
FAM72D	3.84393	2.66852	2.59877	3.47576	3.9319	4.41683	family with sequence similarity 72 member D [Source:HGNC Symb	chr1:14389	NM_20741	.	.	.	NP_99730	.	protein_co	ENSG0000	728833	33593
FAM73A	4.15023	4.24055	3.65274	2.7195	3.50014	3.07339	mitoguardin 1 [Source:HGNC Symbol;Acc:HGNC:24741]	chr1:78245	NM_00127	XM_01700	.	.	NP_00125	XP_005270	protein_co	ENSG0000	374986	24741
FAM73B	7.05775	7.16864	7.42978	6.41726	6.37043	4.60561	mitoguardin 2 [Source:HGNC Symbol;Acc:HGNC:23621]	chr9:13179	NM_03280	XM_01151	.	.	NP_11619	XP_005252	protein_co	ENSG0000	84895	23621
FAM76A	3.24986	4.09284	3.88038	3.36913	3.47371	3.72614	family with sequence similarity 76 member A [Source:HGNC Symb	chr1:28052	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	199870	28530
FAM76B	5.86281	6.06712	5.19325	4.26125	5.709	6.44958	family with sequence similarity 76 member B [Source:HGNC Symb	chr11:9550	NM_14466	XM_01154	.	.	NP_65326	XP_005273	protein_co	ENSG0000	143684	28492
FAM78A	1.68994	2.30596	3.05525	1.59909	2.06602	2.17885	family with sequence similarity 78 member A [Source:HGNC Symb	chr9:13413	NM_03338	.	.	.	NP_20374	.	protein_co	ENSG0000	286336	25465
FAM78B	0.524318	0.781468	1.04201	0.791349	0.914709	0.746436	family with sequence similarity 78 member B [Source:HGNC Symb	chr1:16603	NM_00101	XM_01700	.	.	NP_00101	XP_016855	protein_co	ENSG0000	149297	13495
FAM81A	1.51353	2.10822	1.73886	2.67696	2.0868	1.96132	family with sequence similarity 81 member A [Source:HGNC Symb	chr15:5973	NM_15245	XM_01702	.	.	NP_68966	XP_005254	protein_co	ENSG0000	145773	28379
FAM81B	0	0.04312	0.142611	0.092085	0.090072	0.120238	family with sequence similarity 81 member B [Source:HGNC Symb	chr5:94727	NM_15254	XM_00527	.	.	NP_68976	XP_005271	protein_co	ENSG0000	153643	26335
FAM83A	0.238505	0.054765	0.25445	0.088484	0.169454	0.415786	family with sequence similarity 83 member A [Source:HGNC Symb	chr8:12419	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	84985	28210
FAM83B	4.31393	4.03881	4.32977	3.31587	4.01347	4.39008	family with sequence similarity 83 member B [Source:HGNC Symb	chr6:54711	NM_00101	XM_01151	.	.	NP_00101	XP_006715	protein_co	ENSG0000	222584	21357
FAM83C	0	0.020961	0	0.022612	0	0.022908	family with sequence similarity 83 member C [Source:HGNC Symb	chr20:3387	NM_17846	.	.	.	NP_84856	.	protein_co	ENSG0000	128876	16121
FAM83D	34.7191	33.2853	31.8359	60.9297	53.7219	34.7635	family with sequence similarity 83 member D [Source:HGNC Symb	chr20:3755	NM_03091	.	.	.	NP_11218	.	protein_co	ENSG0000	81610	16122
FAM83E	0.161375	0.308204	0.274068	0.563309	0.380148	0.427735	family with sequence similarity 83 member E [Source:HGNC Symb	chr19:4910	NM_01770	XM_00525	.	.	NP_06017	XP_005259	protein_co	ENSG0000	54854	25972
FAM83F	9.25218	10.8337	11.1724	9.1225	9.18987	7.09056	family with sequence similarity 83 member F [Source:HGNC Symb	chr22:4039	NM_13843	.	.	.	NP_61244	.	protein_co	ENSG0000	113828	25148
FAM83G	17.8143	17.2433	15.866	18.1896	17.775	16.8199	family with sequence similarity 83 member G [Source:HGNC Symb	chr17:1885	NM_00103	XM_01702	.	.	NP_00103	XP_016880	protein_co	ENSG0000	644815	32554
FAM83H	50.275	53.5951	44.369	42.048	37.3445	30.6088	family with sequence similarity 83 member H [Source:HGNC Symb	chr8:14480	NM_19848	XM_00525	.	.	NP_94089	XP_005250	protein_co	ENSG0000	286077	24797

FAM83H-AS1	19.8642	18.849	19.8531	18.702	20.6717	17.4139	FAM83H antisense RNA 1 (head to head) [Source:HGNC Symbol;A	chr8:14481	.	.	.	.	.	.	protein_co	ENSG0000	.	48720
FAM84A	0	0	0	0	0	0	family with sequence similarity 84 member A [Source:HGNC Symb	chr2:14772	NM_14517	.	.	.	NP_66015	.	protein_co	ENSG0000	151354	20743
FAM84B	14.5264	16.793	13.5859	10.9231	10.694	23.1387	family with sequence similarity 84 member B [Source:HGNC Symb	chr8:12756	NM_17491	XM_01701	.	.	NP_77757	XP_016868	protein_co	ENSG0000	157638	24166
FAM86B1	2.14184	1.69548	2.01968	1.79304	2.50034	2.27559	family with sequence similarity 86 member B1 [Source:HGNC Syn	chr8:12039	NM_00108	XM_01154	.	.	NP_00107	XP_006716	protein_co	ENSG0000	100287013	28268
FAM86B2	0.309766	0.605454	0.381394	0.230503	0.150132	0.133868	family with sequence similarity 86 member B2 [Source:HGNC Syn	chr8:12283	NM_00113	XM_01154	.	.	NP_00113	XP_005273	protein_co	ENSG0000	653333	32222
FAM86C1	8.01188	8.33816	7.23728	7.40884	8.60817	7.34016	family with sequence similarity 86 member C1 [Source:HGNC Syn	chr11:7149	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	55199	25561
FAM89A	17.0134	17.1314	20.385	21.6635	22.888	21.9636	family with sequence similarity 89 member A [Source:HGNC Symb	chr1:23115	NM_19855	.	NR_03159	.	NP_94095	.	protein_co	ENSG0000	100302132	25057
FAM89B	41.8864	40.5254	48.7442	44.2915	32.4904	33.9818	family with sequence similarity 89 member B [Source:HGNC Symb	chr11:6533	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	23625	16708
FAM8A1	7.65651	7.21684	9.5973	7.20525	8.99272	11.8617	family with sequence similarity 8 member A1 [Source:HGNC Symb	chr6:17600	NM_01625	.	.	.	NP_05733	.	protein_co	ENSG0000	51439	16372
FAM90A1	0.158648	0.275271	0.336698	0.149369	0.158384	0.060084	family with sequence similarity 90 member A1 [Source:HGNC Syn	chr12:8373	NM_00131	XM_01701	.	.	NP_00130	XP_011519	protein_co	ENSG0000	55138	25526
FAM90A26	0	0	0	0	0	0	family with sequence similarity 90 member A26 [Source:HGNC Sy	chr4:91721	.	.	.	.	.	.	protein_co	ENSG0000	.	43746
FAM91A1	29.8146	31.3874	30.0421	32.1261	36.3292	36.69	family with sequence similarity 91 member A1 [Source:HGNC Syn	chr8:12478	NM_00131	XM_01151	.	.	NP_00130	.	protein_co	ENSG0000	157769	26306
FAM92A1	51.9761	60.5074	50.6777	61.6341	54.9345	64.0154	family with sequence similarity 92 member A1 [Source:HGNC Syn	chr8:94712	NM_00128	XM_00525	.	.	NP_00126	.	protein_co	ENSG0000	137392	30452
FAM92B	0.472726	0.409402	0.618598	0.344628	0.180247	0.334393	family with sequence similarity 92 member B [Source:HGNC Symb	chr16:8513	NM_19849	XM_01152	.	.	NP_94089	XP_005255	protein_co	ENSG0000	339145	24781
FAM96A	76.5552	78.0332	59.5274	79.8846	69.2266	57.006	family with sequence similarity 96 member A [Source:HGNC Symb	chr15:6436	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	84191	26235
FAM96B	125.545	126.13	108.436	157.757	109.085	91.3754	family with sequence similarity 96 member B [Source:HGNC Symb	chr16:6696	NM_01606	.	.	.	NP_05714	.	protein_co	ENSG0000	51647	24261
FAM98A	28.0895	28.1309	27.028	30.0377	35.2651	22.3004	family with sequence similarity 98 member A [Source:HGNC Symb	chr2:33808	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	25940	24520
FAM98B	21.6768	21.2527	21.2353	20.977	25.4631	22.7786	family with sequence similarity 98 member B [Source:HGNC Symb	chr15:3874	NM_17361	.	.	.	NP_77588	.	protein_co	ENSG0000	283742	26773
FAM98C	21.7292	22.263	20.9576	23.4875	21.5461	13.0182	family with sequence similarity 98 member C [Source:HGNC Symb	chr19:3889	NM_17490	.	.	.	NP_77756	.	protein_co	ENSG0000	147965	27119
FAM9A	0	0	0	0	0	0	family with sequence similarity 9 member A [Source:HGNC Symbo	chrX:87588	NM_00117	XM_01154	.	.	NP_00116	XP_011543	protein_co	ENSG0000	171482	18403
FAM9B	0	0	0	0	0	0	family with sequence similarity 9 member B [Source:HGNC Symbo	chrX:89922	NM_20584	XM_01154	.	.	NP_99532	XP_011543	protein_co	ENSG0000	171483	18404
FAM9C	0	0	0	0	0	0.015747	family with sequence similarity 9 member C [Source:HGNC Symbo	chrX:13053	NM_17490	XM_01702	.	.	NP_77756	XP_005274	protein_co	ENSG0000	171484	18405
FAN1	9.40451	8.91902	9.43332	8.41898	10.7546	9.20415	FANCD2/FANCI-associated nuclease 1 [Source:HGNC Symbol;Acc:	chr15:3119	NM_00114	XM_01152	.	.	NP_00113	XP_005254	protein_co	ENSG0000	22909	29170
FANCA	21.0102	21.7184	20.4571	21.6606	19.8039	19.1281	Fanconi anemia complementation group A [Source:HGNC Symbol	chr16:8977	NM_00013	XM_01152	.	.	NP_00012	XP_005256	protein_co	ENSG0000	2175	3582
FANCB	2.22218	1.54173	2.43092	1.58742	3.04451	2.32555	Fanconi anemia complementation group B [Source:HGNC Symbol	chrX:14861	NM_00101	XM_01702	.	.	NP_00101	XP_016884	protein_co	ENSG0000	2187	3583
FANCC	6.96521	7.21961	6.07489	6.54409	6.45601	6.01802	Fanconi anemia complementation group C [Source:HGNC Symbol	chr9:97861	NM_00013	XM_01151	.	.	NP_00012	XP_006717	protein_co	ENSG0000	2176	3584
FANCD2	16.962	16.4461	15.7786	16.769	19.1737	14.8281	Fanconi anemia complementation group D2 [Source:HGNC Symb	chr3:10068	NM_00101	XM_00671	.	.	NP_00101	XP_005265	protein_co	ENSG0000	2177	3585
FANCD2OS	0	0	0	0	0	0	FANCD2 opposite strand [Source:HGNC Symbol;Acc:HGNC:28623	chr3:10068	NM_00116	XM_01153	.	.	NP_00115	XP_011531	protein_co	ENSG0000	115795	28623
FANCE	10.8132	11.2054	11.1994	12.6304	11.5462	10.4262	Fanconi anemia complementation group E [Source:HGNC Symbol	chr6:35420	NM_02192	XM_01151	.	.	NP_06874	XP_005248	protein_co	ENSG0000	2178	3586
FANCF	3.36594	3.99429	2.83291	4.26132	3.1669	2.8328	Fanconi anemia complementation group F [Source:HGNC Symbol	chr11:2264	NM_02272	.	.	.	NP_07356	.	protein_co	ENSG0000	2188	3587
FANCG	23.985	25.2703	19.5622	29.2728	24.0639	18.4342	Fanconi anemia complementation group G [Source:HGNC Symbo	chr9:35073	NM_00462	.	.	.	NP_00462	.	protein_co	ENSG0000	2189	3588
FANCI	33.9019	34.4382	29.8202	34.1582	37.9689	32.1527	Fanconi anemia complementation group I [Source:HGNC Symbol;	chr15:8978	NM_00111	XM_01152	.	.	NP_00110	XP_011520	protein_co	ENSG0000	55215	25568
FANCL	11.9281	10.4525	13.5341	9.6182	12.2868	10.236	Fanconi anemia complementation group L [Source:HGNC Symbol	chr2:58134	NM_00111	XM_01153	.	.	NP_00110	XP_005264	protein_co	ENSG0000	55120	20748
FANCM	2.07125	1.60282	2.74167	2.46633	3.4481	2.67513	Fanconi anemia complementation group M [Source:HGNC Symbo	chr14:4560	NM_00130	XM_01153	.	.	NP_00129	XP_005267	protein_co	ENSG0000	57697	23168
FANK1	1.74217	2.11038	2.26928	2.04417	2.22755	2.63274	fibronectin type III and ankyrin repeat domains 1 [Source:HGNC S	chr10:1275	NM_14523	XM_01154	.	.	NP_66027	XP_005270	protein_co	ENSG0000	92565	23527
FAP	0.029814	0.032611	0	0.034766	0	0	fibroblast activation protein alpha [Source:HGNC Symbol;Acc:HGI	chr2:16302	NM_00129	XM_01151	.	.	NP_00127	XP_011509	protein_co	ENSG0000	2191	3590
FAR1	25.385	26.9168	26.9081	24.6363	27.822	29.5372	fatty acyl-CoA reductase 1 [Source:HGNC Symbol;Acc:HGNC:2622	chr11:1369	NM_03222	XM_01152	.	.	NP_11560	XP_011518	protein_co	ENSG0000	84188	26222
FAR2	3.38707	3.61289	3.31491	3.44381	3.39634	3.14438	fatty acyl-CoA reductase 2 [Source:HGNC Symbol;Acc:HGNC:2553	chr12:2930	NM_00127	XM_01152	.	.	NP_00125	XP_011519	protein_co	ENSG0000	55711	25531
FARP1	7.13007	7.68756	11.0509	8.87353	8.16591	10.5367	FERM, ARH/RhoGEF and pleckstrin domain protein 1 [Source:HGI	chr13:9879	NM_00100	XM_01152	.	.	NP_00100	XP_011519	protein_co	ENSG0000	10160	3591
FARP2	4.53459	4.74402	5.43564	6.167	5.51283	4.24216	FERM, ARH/RhoGEF and pleckstrin domain protein 2 [Source:HGI	chr2:24229	NM_00128	XM_01151	.	.	NP_00126	XP_011510	protein_co	ENSG0000	9855	16460
FARS2	6.96459	5.77758	6.24791	6.45713	4.96348	5.02498	phenylalanyl-tRNA synthetase 2, mitochondrial [Source:HGNC Sy	chr6:52612	NM_00656	XM_00524	.	.	NP_00130	XP_005248	protein_co	ENSG0000	10667	21062
FARSA	73.829	73.7204	68.0886	103.824	84.1435	55.1035	phenylalanyl-tRNA synthetase alpha subunit [Source:HGNC Symb	chr19:1303	NM_00446	.	.	.	NP_00445	.	protein_co	ENSG0000	2193	3592
FARSB	32.2268	31.7281	30.9399	34.5225	37.0711	32.5566	phenylalanyl-tRNA synthetase beta subunit [Source:HGNC Symbo	chr2:22343	NM_00568	XM_01151	.	.	NP_00567	XP_006712	protein_co	ENSG0000	10056	17800
FAS	10.2812	9.70435	9.78486	8.07965	11.545	6.62121	Fas cell surface death receptor [Source:HGNC Symbol;Acc:HGNC:	chr10:9075	NM_00004	XM_01153	.	.	NP_00003	XP_011538	protein_co	ENSG0000	355	11920
FASLG	0	0	0	0	0	0	Fas ligand [Source:HGNC Symbol;Acc:HGNC:11936]	chr1:17262	NM_00063	.	.	.	NP_00063	.	protein_co	ENSG0000	356	11936
FASN	139.726	154.102	195.389	179.68	175.72	173.675	fatty acid synthase [Source:HGNC Symbol;Acc:HGNC:3594]	chr17:8003	NM_00410	XM_01152	.	.	NP_00409	XP_011521	protein_co	ENSG0000	2194	3594
FASTK	37.4159	35.7671	33.1886	41.2714	32.7147	30.3013	Fas activated serine/threonine kinase [Source:HGNC Symbol;Acc:	chr7:15077	NM_00125	XM_01151	.	.	NP_00124	XP_005249	protein_co	ENSG0000	10922	24676
FASTKD1	10.4905	9.27264	11.8914	8.89807	12.9356	11.162	FAST kinase domains 1 [Source:HGNC Symbol;Acc:HGNC:26150]	chr2:17038	NM_00128	XM_00671	.	.	NP_00126	XP_006712	protein_co	ENSG0000	79675	26150
FASTKD2	19.9595	17.1083	19.2018	19.4002	27.0121	18.3561	FAST kinase domains 2 [Source:HGNC Symbol;Acc:HGNC:29160]	chr2:20760	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	22868	29160
FASTKD3	7.99194	6.93013	6.58565	6.832	7.91987	6.62601	FAST kinase domains 3 [Source:HGNC Symbol;Acc:HGNC:28758]	chr5:78592	NM_02409	XM_00671	.	.	NP_07699	XP_006714	protein_co	ENSG0000	79072	28758
FASTKD5	17.1235	16.343	18.2665	16.0645	17.9061	14.2431	FAST kinase domains 5 [Source:HGNC Symbol;Acc:HGNC:25790]	chr20:3088	NM_02182	.	.	.	NP_06859	.	protein_co	ENSG0000	60493	25790
FAT1	128.209	136.604	165.841	28.6937	35.1816	37.2724	FAT atypical cadherin 1 [Source:HGNC Symbol;Acc:HGNC:3595]	chr4:18750	NM_00524	XM_00671	.	.	NP_00523	XP_005262	protein_co	ENSG0000	2195	3595
FAT2	0.029735	0.034848	0.058995	0.018669	0.009661	0.026779	FAT atypical cadherin 2 [Source:HGNC Symbol;Acc:HGNC:3596]	chr5:15088	NM_00144	XM_01700	.	.	NP_00143	XP_006714	protein_co	ENSG0000	2196	3596
FAT3	0	0	0.009566	0	0	0	FAT atypical cadherin 3 [Source:HGNC Symbol;Acc:HGNC:23112]	chr11:9208	NM_00100	XM_01701	.	.	NP_00100	XP_016872	protein_co	ENSG0000	120114	23112
FAT4	0.25832	0.280824	0.599401	0.180564	0.276862	0.556939	FAT atypical cadherin 4 [Source:HGNC Symbol;Acc:HGNC:23109]	chr4:12623	NM_00129	XM_01153	.	.	NP_00127	XP_011530	protein_co	ENSG0000	79633	23109
FATE1	0	0	0	0	0	0	fetal and adult testis expressed 1 [Source:HGNC Symbol;Acc:HGN	chrX:15088	NM_03308	.	.	.	NP_14907	.	protein_co	ENSG0000	89885	24683
FAU	786.463	691.657	682.788	1017.23	728.078	628.581	FAU, ubiquitin like and ribosomal protein S30 fusion [Source:HGN	chr11:6488	NM_00199	.	.	.	NP_00198	.	protein_co	ENSG0000	2197	3597
FAXC	2.30175	2.65406	2.22677	3.17961	3.06297	2.71889	failed axon connections homolog [Source:HGNC Symbol;Acc:HGN	chr6:99719	NM_03251	XM_01153	.	.	NP_11590	.	protein_co	ENSG0000	84553	20742
FAXDC2	0.043835	0	0.019032	0	0	0	fatty acid hydroxylase domain containing 2 [Source:HGNC Symbo	chr5:15419	NM_03238	XM_00671	.	.	NP_11576	XP_006714	protein_co	ENSG0000	10826	1334

FBF1	4.25554	4.14316	4.2751	3.06967	3.30379	3.45721	Fas binding factor 1 [Source:HGNC Symbol;Acc:HGNC:24674]	chr17:7390	NM_00108	.	.	.	NP_001074	.	protein_co	ENSG0000	85302	24674
FBL	202.641	198.122	189.918	243.537	194.876	188.355	fibrillarin [Source:HGNC Symbol;Acc:HGNC:3599]	chr19:4032	NM_00143	XM_01152	.	.	NP_001427	XP_005258	protein_co	ENSG0000	2091	3599
FBLIM1	1.33644	1.22099	1.96973	1.1283	0.819728	1.52082	filamin binding LIM protein 1 [Source:HGNC Symbol;Acc:HGNC:24	chr1:16083	NM_00102	XM_01700	.	.	NP_001019	XP_005245	protein_co	ENSG0000	54751	24686
FBLL1	0.168488	0.079391	0	0.176581	0	0.09726	fibrillarin-like 1 [Source:HGNC Symbol;Acc:HGNC:35458]	chr5:16795	.	.	.	.	.	.	protein_co	ENSG0000	.	35458
FBLN1	8.61961	8.85621	11.7058	9.97652	9.32653	10.1776	fibulin 1 [Source:HGNC Symbol;Acc:HGNC:3600]	chr22:4589	NM_00199	.	.	.	NP_001987	.	protein_co	ENSG0000	2192	3600
FBLN2	0.018344	0.071883	0.047208	0.038982	0	0.082037	fibulin 2 [Source:HGNC Symbol;Acc:HGNC:3601]	chr3:13590	NM_00100	XM_00671	.	.	NP_001004	XP_006713	protein_co	ENSG0000	2199	3601
FBLN5	1.39202	1.31503	2.05563	0.928284	1.11215	1.34944	fibulin 5 [Source:HGNC Symbol;Acc:HGNC:3602]	chr14:9233	NM_00632	XM_01153	.	.	NP_006320	XP_005267	protein_co	ENSG0000	10516	3602
FBLN7	0.089549	0.088906	0.042505	0.053576	0	0	fibulin 7 [Source:HGNC Symbol;Acc:HGNC:26740]	chr2:11289	NM_00112	XM_01151	.	.	NP_001121	XP_011508	protein_co	ENSG0000	129804	26740
FBN1	0.167325	0.120497	0.165142	0.090268	0.149762	0.198566	fibrillin 1 [Source:HGNC Symbol;Acc:HGNC:3603]	chr15:4870	NM_00013	.	.	.	NP_000129	.	protein_co	ENSG0000	2200	3603
FBN2	0.116223	0.136866	0.100652	0.043703	0.043344	0.00679	fibrillin 2 [Source:HGNC Symbol;Acc:HGNC:3604]	chr5:12759	NM_00199	.	.	.	NP_001990	.	protein_co	ENSG0000	2201	3604
FBN3	0.763167	0.814271	1.29794	0.862736	0.965979	1.0198	fibrillin 3 [Source:HGNC Symbol;Acc:HGNC:18794]	chr19:8130	NM_00132	XM_01702	.	.	NP_001308	XP_011526	protein_co	ENSG0000	84467	18794
FBP1	0	0.056521	0	0.182993	0.194649	0	fructose-bisphosphatase 1 [Source:HGNC Symbol;Acc:HGNC:3606	chr9:97365	NM_00050	XM_00671	.	.	NP_000498	XP_006717	protein_co	ENSG0000	2203	3606
FBP2	0	0.059209	0	0	0.067158	0	fructose-bisphosphatase 2 [Source:HGNC Symbol;Acc:HGNC:3607	chr9:97321	NM_00383	.	.	.	NP_003828	.	protein_co	ENSG0000	8789	3607
FBRS	22.4593	22.4016	20.8131	19.264	17.373	18.5841	fibrosin [Source:HGNC Symbol;Acc:HGNC:20442]	chr16:3066	NM_00110	XM_01154	.	.	NP_001098	XP_011544	protein_co	ENSG0000	64319	20442
FBRSL1	20.0483	19.6787	19.3313	22.9023	20.4152	18.5877	fibrosin like 1 [Source:HGNC Symbol;Acc:HGNC:29308]	chr12:1330	NM_00114	XM_01153	.	.	NP_001130	XP_005266	protein_co	ENSG0000	57666	29308
FBXL12	15.3472	14.7863	13.5088	16.3804	12.9604	14.0552	F-box and leucine rich repeat protein 12 [Source:HGNC Symbol;A	chr19:9920	NM_00131	XM_01152	.	.	NP_001301	XP_005260	protein_co	ENSG0000	54850	13611
FBXL13	0.19051	0.29148	0.289323	0.162845	0.200158	0.298382	F-box and leucine rich repeat protein 13 [Source:HGNC Symbol;A	chr7:10245	NM_00111	XM_01701	.	.	NP_001104	XP_005250	protein_co	ENSG0000	222235	21658
FBXL14	8.49415	10.1546	8.65931	11.8044	10.2954	7.48975	F-box and leucine rich repeat protein 14 [Source:HGNC Symbol;A	chr12:1675	NM_15244	XM_01152	.	.	NP_689654	XP_016874	protein_co	ENSG0000	144699	28624
FBXL15	9.93778	11.2989	9.0006	10.2951	8.60703	6.92883	F-box and leucine rich repeat protein 15 [Source:HGNC Symbol;A	chr10:1041	NM_02432	XM_00527	.	.	NP_077302	XP_005270	protein_co	ENSG0000	79176	28155
FBXL16	24.6197	27.3305	24.0875	20.9362	19.0557	20.8863	F-box and leucine rich repeat protein 16 [Source:HGNC Symbol;A	chr16:7424	NM_15335	.	.	.	NP_699181	.	protein_co	ENSG0000	146330	14150
FBXL17	3.20164	3.72702	4.32691	1.80734	2.19018	3.44354	F-box and leucine rich repeat protein 17 [Source:HGNC Symbol;A	chr5:10719	NM_00116	XM_00527	.	.	NP_001156	XP_005272	protein_co	ENSG0000	64839	13615
FBXL18	6.77697	6.36231	7.18169	8.10591	8.92906	7.49846	F-box and leucine rich repeat protein 18 [Source:HGNC Symbol;A	chr7:55200	NM_02496	.	.	.	NP_079239	XP_011513	protein_co	ENSG0000	80028	21874
FBXL19	22.3724	20.7767	20.5404	14.7184	13.2969	10.2217	F-box and leucine rich repeat protein 19 [Source:HGNC Symbol;A	chr16:3093	NM_00109	.	.	.	NP_001093	.	protein_co	ENSG0000	54620	25300
FBXL2	5.78169	4.83969	4.99333	4.09551	4.37171	4.8225	F-box and leucine rich repeat protein 2 [Source:HGNC Symbol;Ac	chr3:33318	NM_00117	XM_00526	.	.	NP_001165	XP_005265	protein_co	ENSG0000	25827	13598
FBXL20	3.23431	2.44194	3.41226	1.69896	1.86241	2.95642	F-box and leucine rich repeat protein 20 [Source:HGNC Symbol;A	chr17:3740	NM_00118	XM_01152	.	.	NP_001171	XP_005257	protein_co	ENSG0000	84961	24679
FBXL22	0.453181	0.400875	0.092877	0.266447	0.283487	0.191041	F-box and leucine rich repeat protein 22 [Source:HGNC Symbol;A	chr15:6388	NM_20337	.	.	.	NP_976307	.	protein_co	ENSG0000	283807	27537
FBXL3	8.96637	8.89582	8.99951	7.93425	9.71842	9.13441	F-box and leucine rich repeat protein 3 [Source:HGNC Symbol;Ac	chr13:7757	NM_01215	XM_00526	.	.	NP_036290	XP_005266	protein_co	ENSG0000	26224	13599
FBXL4	6.51355	6.2746	7.24037	4.51967	6.48277	7.21663	F-box and leucine rich repeat protein 4 [Source:HGNC Symbol;Ac	chr6:99316	NM_00127	XM_00526	.	.	NP_001265	XP_005266	protein_co	ENSG0000	26235	13601
FBXL5	8.66005	8.19821	10.036	8.41332	11.4795	13.3697	F-box and leucine rich repeat protein 5 [Source:HGNC Symbol;Ac	chr4:15606	NM_00119	XM_01151	.	.	NP_001180	XP_006714	protein_co	ENSG0000	26234	13602
FBXL6	45.2853	41.7834	37.4178	41.5659	35.2357	30.784	F-box and leucine rich repeat protein 6 [Source:HGNC Symbol;Ac	chr8:14557	NM_01216	.	.	.	NP_036294	.	protein_co	ENSG0000	26233	13603
FBXL7	0.021611	0	0	0	0	0	F-box and leucine rich repeat protein 7 [Source:HGNC Symbol;Ac	chr5:15500	NM_00127	XM_01151	.	.	NP_001265	XP_011512	protein_co	ENSG0000	23194	13604
FBXL8	6.10571	10.3543	10.7654	5.07982	5.82362	3.38008	F-box and leucine rich repeat protein 8 [Source:HGNC Symbol;Ac	chr16:6718	NM_01837	.	.	.	NP_060848	.	protein_co	ENSG0000	55336	17875
FBXO10	3.15504	3.2269	2.24084	1.91708	1.95538	1.88936	F-box protein 10 [Source:HGNC Symbol;Acc:HGNC:13589]	chr9:37510	NM_01216	XM_01701	.	.	NP_036298	XP_011516	protein_co	ENSG0000	26267	13589
FBXO11	13.6208	12.3454	13.6799	11.585	16.9708	20.7348	F-box protein 11 [Source:HGNC Symbol;Acc:HGNC:13590]	chr2:48010	NM_00119	XM_01700	.	.	NP_001177	XP_005264	protein_co	ENSG0000	80204	13590
FBXO15	0.24912	0.313424	0.386891	0.111509	0.616087	0.348822	F-box protein 15 [Source:HGNC Symbol;Acc:HGNC:13617]	chr18:7174	NM_00114	XM_01702	.	.	NP_001136	XP_011524	protein_co	ENSG0000	201456	13617
FBXO16	5.97301	6.43405	5.32331	7.92895	5.89552	5.60805	F-box protein 16 [Source:HGNC Symbol;Acc:HGNC:13618]	chr8:28285	NM_00125	.	.	.	NP_001245	.	protein_co	ENSG0000	157574	13618
FBXO17	6.49653	7.0405	6.3956	7.63664	6.25981	6.10415	F-box protein 17 [Source:HGNC Symbol;Acc:HGNC:18754]	chr19:3940	NM_02490	.	.	.	NP_079183	.	protein_co	ENSG0000	115290	18754
FBXO18	20.3255	19.5939	23.2827	21.8361	18.8463	19.8753	F-box protein, helicase, 18 [Source:HGNC Symbol;Acc:HGNC:1362	chr10:5932	NM_00125	XM_01701	.	.	NP_001245	XP_011518	protein_co	ENSG0000	84893	13620
FBXO2	58.1875	61.6842	75.4936	36.8228	28.7401	37.6088	F-box protein 2 [Source:HGNC Symbol;Acc:HGNC:13581]	chr1:11708	NM_01216	.	.	.	NP_036300	.	protein_co	ENSG0000	26232	13581
FBXO21	18.7704	20.3991	18.7544	18.5908	20.3616	21.6214	F-box protein 21 [Source:HGNC Symbol;Acc:HGNC:13592]	chr12:1175	NM_01500	.	.	.	NP_055817	.	protein_co	ENSG0000	23014	13592
FBXO22	21.2982	22.3318	22.1505	19.7894	18.5988	17.2523	F-box protein 22 [Source:HGNC Symbol;Acc:HGNC:13593]	chr15:7619	NM_01217	.	.	.	NP_036302	.	protein_co	ENSG0000	26263	13593
FBXO24	0.571186	0.556048	0.209426	0.338264	0.408488	0.766753	F-box protein 24 [Source:HGNC Symbol;Acc:HGNC:13595]	chr7:10018	NM_00116	XM_01151	.	.	NP_001156	XP_005250	protein_co	ENSG0000	26261	13595
FBXO25	5.95741	5.83356	6.36106	4.42096	4.79519	6.5212	F-box protein 25 [Source:HGNC Symbol;Acc:HGNC:13596]	chr8:35680	NM_01217	XM_01701	.	.	NP_036305	XP_011533	protein_co	ENSG0000	26260	13596
FBXO27	6.82232	6.56077	5.14062	5.61625	4.93751	5.05295	F-box protein 27 [Source:HGNC Symbol;Acc:HGNC:18753]	chr19:3951	NM_17882	.	.	.	NP_849142	.	protein_co	ENSG0000	126433	18753
FBXO28	17.7544	18.0513	17.7239	19.1715	19.7002	16.4753	F-box protein 28 [Source:HGNC Symbol;Acc:HGNC:29046]	chr1:22430	NM_00113	.	.	.	NP_001129	.	protein_co	ENSG0000	23219	29046
FBXO3	15.2438	13.43	17.0972	12.6489	14.8791	16.171	F-box protein 3 [Source:HGNC Symbol;Acc:HGNC:13582]	chr11:3376	NM_01217	XM_01151	.	.	NP_036307	XP_011518	protein_co	ENSG0000	26273	13582
FBXO30	5.64614	5.41449	4.80023	5.068	5.82788	5.25597	F-box protein 30 [Source:HGNC Symbol;Acc:HGNC:15600]	chr6:14611	NM_03214	XM_01153	.	.	NP_115521	XP_005267	protein_co	ENSG0000	84085	15600
FBXO31	11.941	11.5477	11.1041	11.0428	10.7479	9.46059	F-box protein 31 [Source:HGNC Symbol;Acc:HGNC:16510]	chr16:8733	NM_02473	.	.	.	NP_079011	.	protein_co	ENSG0000	79791	16510
FBXO32	1.73755	1.93294	2.09459	1.35569	1.20006	0.935051	F-box protein 32 [Source:HGNC Symbol;Acc:HGNC:16731]	chr8:12451	NM_00124	.	.	.	NP_001229	.	protein_co	ENSG0000	114907	16731
FBXO33	8.42936	8.50933	8.71125	8.25066	9.06879	10.1339	F-box protein 33 [Source:HGNC Symbol;Acc:HGNC:19833]	chr14:3986	NM_20330	.	.	.	NP_976046	.	protein_co	ENSG0000	254170	19833
FBXO34	14.5358	13.9258	14.2818	14.2997	15.5526	15.5261	F-box protein 34 [Source:HGNC Symbol;Acc:HGNC:20201]	chr14:5573	NM_01794	XM_01702	.	.	NP_060413	XP_005267	protein_co	ENSG0000	55030	20201
FBXO36	2.45463	2.86624	3.7345	3.06215	3.33833	3.42029	F-box protein 36 [Source:HGNC Symbol;Acc:HGNC:27020]	chr2:23078	NM_17489	XM_00524	.	.	NP_777559	XP_005246	protein_co	ENSG0000	130888	27020
FBXO38	10.2039	9.55263	10.5133	9.45449	9.76431	10.347	F-box protein 38 [Source:HGNC Symbol;Acc:HGNC:28844]	chr5:14776	NM_00127	XM_00671	.	.	NP_001258	XP_005268	protein_co	ENSG0000	81545	28844
FBXO39	0	0	0	0	0	0	F-box protein 39 [Source:HGNC Symbol;Acc:HGNC:28565]	chr17:6679	NM_15323	XM_01152	.	.	NP_694962	XP_011521	protein_co	ENSG0000	162517	28565
FBXO4	3.77776	4.25317	5.33614	2.84231	2.788	3.42998	F-box protein 4 [Source:HGNC Symbol;Acc:HGNC:13583]	chr5:41925	NM_00129	.	.	.	NP_001284	.	protein_co	ENSG0000	26272	13583
FBXO40	0	0	0	0	0	0	F-box protein 40 [Source:HGNC Symbol;Acc:HGNC:29816]	chr3:12131	NM_01629	.	.	.	NP_057381	.	protein_co	ENSG0000	51725	29816
FBXO41	12.8025	13.0515	14.7223	11.9857	11.2267	10.5415	F-box protein 41 [Source:HGNC Symbol;Acc:HGNC:29409]	chr2:73481	NM_00108	XM_01153	.	.	NP_001073	XP_006712	protein_co	ENSG0000	150726	29409
FBXO42	6.93306	7.46409	6.65309	6.38031	7.21129	6.27693	F-box protein 42 [Source:HGNC Symbol;Acc:HGNC:29249]	chr1:16573	NM_01899	XM_00671	.	.	NP_061861	XP_006710	protein_co	ENSG0000	54455	29249
FBXO43	0.134562	0.174554	0.258861	0.124379	0.088637	0.233284	F-box protein 43 [Source:HGNC Symbol;Acc:HGNC:28521]	chr8:10114	NM_00102	XM_01151	.	.	NP_001029	XP_011519	protein_co	ENSG0000	286151	28521

FBXO44	19.8888	18.8608	24.1602	17.6404	14.6027	10.0802	F-box protein 44 [Source:HGNC Symbol;Acc:HGNC:24847]	chr1:11708	NM_00101	XM_01154	.	.	NP_001014	XP_005263	protein_co	ENSG0000(	93611	24847
FBXO45	13.7975	14.2217	14.6913	15.1536	17.0225	17.6954	F-box protein 45 [Source:HGNC Symbol;Acc:HGNC:29148]	chr3:19628	NM_0011(	.	.	.	NP_001099	.	protein_co	ENSG0000(	200933	29148
FBXO46	11.8738	12.0614	12.4583	12.0626	11.1438	13.0264	F-box protein 46 [Source:HGNC Symbol;Acc:HGNC:25069]	chr19:4621	NM_00108	.	.	.	NP_00107:	.	protein_co	ENSG0000(	23403	25069
FBXO47	0	0	0	0	0	0	F-box protein 47 [Source:HGNC Symbol;Acc:HGNC:31969]	chr17:3709	NM_0010(	XM_01152	.	.	NP_001008	XP_011523	protein_co	ENSG0000(	494188	31969
FBXO48	0.851826	0.918188	0.751821	0.42938	0.448051	0.936374	F-box protein 48 [Source:HGNC Symbol;Acc:HGNC:33857]	chr2:6868(	NM_00102	XM_01700	.	.	NP_001019	XP_005264	protein_co	ENSG0000(	554251	33857
FBXO5	28.7023	27.9134	27.1478	30.6416	38.1992	37.8765	F-box protein 5 [Source:HGNC Symbol;Acc:HGNC:13584]	chr6:15329	NM_00114	.	.	.	NP_00113!	.	protein_co	ENSG0000(	26271	13584
FBXO6	19.0389	18.0699	17.2276	16.2726	11.8779	10.7587	F-box protein 6 [Source:HGNC Symbol;Acc:HGNC:13585]	chr1:11724	NM_01843	XM_01154	.	.	NP_060908	XP_005263	protein_co	ENSG0000(	26270	13585
FBXO7	53.8143	52.8734	46.7043	55.3352	52.1372	50.2434	F-box protein 7 [Source:HGNC Symbol;Acc:HGNC:13586]	chr22:3287	NM_00103	XM_01153	.	.	NP_001028	XP_011528	protein_co	ENSG0000(	25793	13586
FBXO8	4.42751	3.36569	3.37352	3.18997	4.75353	6.35449	F-box protein 8 [Source:HGNC Symbol;Acc:HGNC:13587]	chr4:17515	NM_01218	.	.	.	NP_03631:	.	protein_co	ENSG0000(	26269	13587
FBXO9	20.5901	18.4648	20.961	18.4419	17.6035	15.6555	F-box protein 9 [Source:HGNC Symbol;Acc:HGNC:13588]	chr6:52929	NM_01234	XM_01151	.	.	NP_036479	XP_005249	protein_co	ENSG0000(	26268	13588
FBXW10	0.071099	0.035742	0	0	0	0.052375	F-box and WD repeat domain containing 10 [Source:HGNC Symbo	chr17:1864	NM_00126	XM_01152	.	.	NP_001254	XP_006721	protein_co	ENSG0000(	10517	1211
FBXW11	20.4859	22.1769	23.0742	20.4938	22.229	23.8409	F-box and WD repeat domain containing 11 [Source:HGNC Symbo	chr5:17128	NM_01230	XM_01700	.	.	NP_03643:	XP_005265	protein_co	ENSG0000(	23291	13607
FBXW12	0	0.068267	0	0.072821	0	0	F-box and WD repeat domain containing 12 [Source:HGNC Symbo	chr3:48413	NM_00115	XM_01153	.	.	NP_00115:	XP_011531	protein_co	ENSG0000(	285231	20729
FBXW2	12.8958	14.077	14.7356	14.4888	14.6741	13.7836	F-box and WD repeat domain containing 2 [Source:HGNC Symbol	chr9:12351	NM_01216	XM_01151	.	.	NP_036296	XP_005251	protein_co	ENSG0000(	26190	13608
FBXW4	12.9528	12.7512	13.4331	12.9513	13.6457	15.5907	F-box and WD repeat domain containing 4 [Source:HGNC Symbol	chr10:1033	NM_02203	XM_00527	.	.	NP_071322	XP_005270	protein_co	ENSG0000(	6468	10847
FBXW5	39.7156	38.8371	37.7219	41.7935	37.5412	37.1003	F-box and WD repeat domain containing 5 [Source:HGNC Symbol	chr9:13983	NM_01899	XM_01151	.	.	NP_061871	XP_005266	protein_co	ENSG0000(	54461	13613
FBXW7	7.21085	8.11448	7.25926	6.91504	7.90092	7.78044	F-box and WD repeat domain containing 7 [Source:HGNC Symbol	chr4:15324	NM_00101	XM_01153	.	.	NP_00101:	XP_011530	protein_co	ENSG0000(	55294	16712
FBXW8	5.52435	6.08202	5.64952	4.34998	5.37785	4.8272	F-box and WD repeat domain containing 8 [Source:HGNC Symbol	chr12:1173	NM_01217	XM_01153	.	.	NP_036306	XP_005253	protein_co	ENSG0000(	26259	13597
FBXW9	10.8987	10.1162	9.47672	8.33529	7.49215	7.37222	F-box and WD repeat domain containing 9 [Source:HGNC Symbol	chr19:1279	NM_03230	XM_00526	.	.	NP_115677	XP_005260	protein_co	ENSG0000(	84261	28136
FCAMR	0	0	0.01956	0	0	0	Fc fragment of IgA and IgM receptor [Source:HGNC Symbol;Acc:H	chr1:20713	NM_00112	XM_01151	.	.	NP_001116	XP_011508	protein_co	ENSG0000(	83953	24692
FCAR	0	0	0	0	0	0	Fc fragment of IgA receptor [Source:HGNC Symbol;Acc:HGNC:360	chr19:5538	NM_00200	.	.	.	NP_001991	.	protein_co	ENSG0000(	2204	3608
FCER1A	0	0	0	0	0.106295	0	Fc fragment of IgE receptor Ia [Source:HGNC Symbol;Acc:HGNC:3	chr1:15925	NM_00200	.	.	.	NP_001992	.	protein_co	ENSG0000(	2205	3609
FCER1G	0.681742	0.353517	0.44347	0.944761	0.761995	1.0517	Fc fragment of IgE receptor Ig [Source:HGNC Symbol;Acc:HGNC:3	chr1:16118	NM_00410	.	.	.	NP_004097	.	protein_co	ENSG0000(	2207	3611
FCER2	0	0	0	0.050019	0	0.050091	Fc fragment of IgE receptor II [Source:HGNC Symbol;Acc:HGNC:36	chr19:7753	NM_00120	XM_00527	.	.	NP_001193	XP_005272	protein_co	ENSG0000(	2208	3612
FCF1	40.7179	40.3913	35.2357	44.0256	47.1141	41.6921	FCF1 rRNA-processing protein [Source:HGNC Symbol;Acc:HGNC:2	chr14:7517	NM_01596	XM_01153	.	.	NP_001305	XP_005267	protein_co	ENSG0000(	51077	20220
FCGBP	0.78164	0.895844	0.856991	0.869197	1.00023	0.853899	Fc fragment of IgG binding protein [Source:HGNC Symbol;Acc:HG	chr19:4035	NM_00389	.	.	.	NP_003881	.	protein_co	ENSG0000(	8857	13572
FCGR1A	0	0	0	0	0	0	Fc fragment of IgG receptor Ia [Source:HGNC Symbol;Acc:HGNC:3	chr1:14975	NM_00056	XM_00524	.	.	NP_000557	XP_005245	protein_co	ENSG0000(	2209	3613
FCGR1B	0	0	0	0	0	0	Fc fragment of IgG receptor Ib [Source:HGNC Symbol;Acc:HGNC:3	chr1:12092	NM_00100	.	.	.	NP_001004	XP_016856	protein_co	ENSG0000(	2210	3614
FCGR2A	0.089427	0.093506	0.081836	0.052334	0.053257	0.030546	Fc fragment of IgG receptor IIa [Source:HGNC Symbol;Acc:HGNC:	chr1:16147	NM_00113	XM_01150	.	.	NP_001129	XP_011507	protein_co	ENSG0000(	9103	3616
FCGR2B	0	0	0	0	0	0	Fc fragment of IgG receptor IIb [Source:HGNC Symbol;Acc:HGNC:	chr1:16163	NM_00100	XM_01700	.	.	NP_001002	XP_016856	protein_co	ENSG0000(	2213	3618
FCGR3A	0	0	0	0	0	0	Fc fragment of IgG receptor IIIa [Source:HGNC Symbol;Acc:HGNC	chr1:16151	NM_00056	.	.	.	NP_000560	.	protein_co	ENSG0000(	2214	3619
FCGR3B	0	0	0.027997	0	0	0	Fc fragment of IgG receptor IIIb [Source:HGNC Symbol;Acc:HGNC	chr1:16159	NM_00057	.	.	.	NP_000561	.	protein_co	ENSG0000(	2215	3620
FCGRT	1.27792	0.307309	1.1214	1.46368	0.907997	0.704202	Fc fragment of IgG receptor and transporter [Source:HGNC Symb	chr19:5001	NM_00113	XM_01152	.	.	NP_001129	XP_011524	protein_co	ENSG0000(	2217	3621
FCHO1	8.28573	9.45823	9.25497	11.5264	7.79113	7.41247	FCH domain only 1 [Source:HGNC Symbol;Acc:HGNC:29002]	chr19:1785	NM_00116	XM_01702	.	.	NP_001154	XP_005259	protein_co	ENSG0000(	23149	29002
FCHO2	4.88975	3.98761	4.39817	4.06708	3.98753	4.92633	FCH domain only 2 [Source:HGNC Symbol;Acc:HGNC:25180]	chr5:72251	NM_00114	.	.	.	NP_001139	.	protein_co	ENSG0000(	115548	25180
FCHSD1	5.67715	7.19746	9.45117	5.78677	4.98345	6.70555	FCH and double SH3 domains 1 [Source:HGNC Symbol;Acc:HGNC:	chr5:14101	NM_03344	XM_01153	.	.	NP_258260	XP_005268	protein_co	ENSG0000(	89848	25463
FCHSD2	4.72781	5.04844	6.48942	3.44554	4.78841	4.32966	FCH and double SH3 domains 2 [Source:HGNC Symbol;Acc:HGNC:	chr11:7252	NM_01482	XM_01701	.	.	NP_055639	XP_011543	protein_co	ENSG0000(	9873	29114
FCMR	0.082386	0.063839	0.106169	0.04525	0	0.068586	Fc fragment of IgM receptor [Source:HGNC Symbol;Acc:HGNC:14	chr1:20707	NM_00114	XM_00527	.	.	NP_001135	XP_005273	protein_co	ENSG0000(	9214	14315
FCN1	0	0	0	0	0	0	ficolin 1 [Source:HGNC Symbol;Acc:HGNC:3623]	chr9:13779	NM_00200	.	.	.	NP_001994	.	protein_co	ENSG0000(	2219	3623
FCN2	0	0	0	0	0	0	ficolin 2 [Source:HGNC Symbol;Acc:HGNC:3624]	chr9:13777	NM_00410	.	.	.	NP_004099	XP_006717	protein_co	ENSG0000(	2220	3624
FCN3	0	0.08841	0.380736	0.095661	0.303756	0.284354	ficolin 3 [Source:HGNC Symbol;Acc:HGNC:3625]	chr1:27695	NM_00366	.	.	.	NP_003656	.	protein_co	ENSG0000(	8547	3625
FCRL1	0	0	0	0	0	0	Fc receptor like 1 [Source:HGNC Symbol;Acc:HGNC:18509]	chr1:15776	NM_00115	XM_01150	.	.	NP_001152	XP_005244	protein_co	ENSG0000(	115350	18509
FCRL2	0	0	0	0	0	0	Fc receptor like 2 [Source:HGNC Symbol;Acc:HGNC:14875]	chr1:15771	NM_03076	XM_01150	.	.	NP_110391	XP_011508	protein_co	ENSG0000(	79368	14875
FCRL3	0	0	0	0.017009	0	0	Fc receptor like 3 [Source:HGNC Symbol;Acc:HGNC:18506]	chr1:15764	NM_00132	XM_01150	NR_13521(	.	NP_001307	XP_006711	protein_co	ENSG0000(	115352	18506
FCRL4	0	0	0	0	0	0	Fc receptor like 4 [Source:HGNC Symbol;Acc:HGNC:18507]	chr1:15754	NM_03128	XM_01151	.	.	NP_112572	XP_011508	protein_co	ENSG0000(	83417	18507
FCRL5	0	0	0	0.014692	0	0	Fc receptor like 5 [Source:HGNC Symbol;Acc:HGNC:18508]	chr1:15748	NM_00119	XM_01151	.	.	NP_001182	XP_011508	protein_co	ENSG0000(	83416	18508
FCRL6	0	0.055095	0	0	0	0	Fc receptor like 6 [Source:HGNC Symbol;Acc:HGNC:31910]	chr1:15977	NM_00100	XM_01150	.	.	NP_001004	XP_005245	protein_co	ENSG0000(	343413	31910
FCRLA	0	0.056038	0.091748	0.059631	0.05915	0.052877	Fc receptor like A [Source:HGNC Symbol;Acc:HGNC:18504]	chr1:16167	NM_00118	XM_01151	.	.	NP_001171	XP_006711	protein_co	ENSG0000(	84824	18504
FCRLB	0.610298	0.994217	0.757182	0.600351	0.574615	1.03145	Fc receptor like B [Source:HGNC Symbol;Acc:HGNC:26431]	chr1:16169	NM_00100	XM_01150	.	.	NP_001002	XP_011507	protein_co	ENSG0000(	127943	26431
FDCSP	0	0	0	0	0	0	follicular dendritic cell secreted protein [Source:HGNC Symbol;Ac	chr4:71091	NM_15299	.	.	.	NP_694542	.	protein_co	ENSG0000(	260436	19215
FDFT1	96.4416	92.964	130.065	160.111	144.489	168.737	farnesyl-diphosphate farnesyltransferase 1 [Source:HGNC Symbo	chr8:11653	NM_00128	XM_00671	.	.	NP_001274	XP_016868	protein_co	ENSG0000(	2222	3629
FDPS	122.219	107.959	125.257	183.821	141.266	172.719	farnesyl diphosphate synthase [Source:HGNC Symbol;Acc:HGNC:3	chr1:15527	NM_00113	XM_00524	.	.	NP_001129	XP_005245	protein_co	ENSG0000(	2224	3631
FDX1	11.4035	11.2381	11.9809	18.3225	15.9714	14.9206	ferredoxin 1 [Source:HGNC Symbol;Acc:HGNC:3638]	chr11:1103	NM_00410	.	.	.	NP_004100	.	protein_co	ENSG0000(	2230	3638
FDX2	18.5243	15.6553	12.8726	20.4767	14.3543	11.7773	ferredoxin 2 [Source:HGNC Symbol;Acc:HGNC:30546]	chr19:1042	NM_00103	.	.	.	NP_001026	.	protein_co	ENSG0000(	112812	30546
FDXACB1	3.45504	3.82817	2.86027	3.44023	3.32599	2.29517	ferredoxin-fold anticodon binding domain containing 1 [Source:H	chr11:1116	NM_13837	.	.	.	NP_612387	.	protein_co	ENSG0000(	91893	25110
FDXR	66.8786	64.7059	83.4614	84.597	66.9321	48.9916	ferredoxin reductase [Source:HGNC Symbol;Acc:HGNC:3642]	chr17:7285	NM_00125	XM_01152	.	.	NP_001244	XP_006721	protein_co	ENSG0000(	2232	3642
FECH	18.9044	19.313	19.3157	18.0011	18.9777	19.1701	ferrochelatase [Source:HGNC Symbol;Acc:HGNC:3647]	chr18:5521	NM_00014	XM_01152	.	.	NP_000131	XP_011524	protein_co	ENSG0000(	2235	3647
FEM1A	9.49001	10.5257	9.16115	11.4132	9.69565	8.67578	fem-1 homolog A [Source:HGNC Symbol;Acc:HGNC:16934]	chr19:4791	NM_01870	.	.	.	NP_061178	.	protein_co	ENSG0000(	55527	16934
FEM1B	11.7526	12.3436	11.302	11.283	13.5785	13.2725	fem-1 homolog B [Source:HGNC Symbol;Acc:HGNC:3649]	chr15:6857	NM_01532	XM_00672	.	.	NP_056137	.	protein_co	ENSG0000(	10116	3649

FEM1C	8.90112	8.91823	7.92245	7.88109	8.8665	9.84098	fem-1 homolog C [Source:HGNC Symbol;Acc:HGNC:16933]	chr5:11485	NM_02017	XM_00527	.	.	NP_06456	XP_005272	protein_co	ENSG0000	56929	16933
FEN1	98.4246	95.2647	85.3721	119.775	104.364	74.0914	flap structure-specific endonuclease 1 [Source:HGNC Symbol;Acc	chr11:6155	NM_00411	.	.	.	NP_00410	.	protein_co	ENSG0000	2237	3650
FER	7.90579	9.17654	9.57161	4.25179	7.31801	7.87366	FER tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:3655]	chr5:10808	NM_00130	XM_01154	.	.	NP_00129	XP_011541	protein_co	ENSG0000	2241	3655
FER1L5	0.009747	0.039208	0.050485	0.136901	0.066602	0.135199	fer-1 like family member 5 [Source:HGNC Symbol;Acc:HGNC:1904	chr2:97308	NM_00129	XM_01151	.	.	NP_00128	XP_011510	protein_co	ENSG0000	90342	19044
FER1L6	0.018074	0.009368	0.055443	0.05014	0	0.04667	fer-1 like family member 6 [Source:HGNC Symbol;Acc:HGNC:2806	chr8:12486	NM_00103	XM_01151	.	.	NP_00103	XP_006716	protein_co	ENSG0000	654463	28065
FERD3L	0	0	0	0	0	0	Fer3 like bHLH transcription factor [Source:HGNC Symbol;Acc:HG	chr7:19184	NM_15289	.	.	.	NP_69086	.	protein_co	ENSG0000	222894	16660
FERMT1	10.9929	13.4951	14.3155	15.3605	16.158	16.6794	fermitin family member 1 [Source:HGNC Symbol;Acc:HGNC:1588	chr20:6055	NM_01767	.	.	.	NP_06014	.	protein_co	ENSG0000	55612	15889
FERMT2	9.61188	9.81414	11.6244	11.9582	12.4871	14.7094	fermitin family member 2 [Source:HGNC Symbol;Acc:HGNC:1576	chr14:5332	NM_00113	XM_00672	.	.	NP_00112	XP_005267	protein_co	ENSG0000	10979	15767
FERMT3	0.66735	0.44502	0.732558	0.998156	1.20706	0.577774	fermitin family member 3 [Source:HGNC Symbol;Acc:HGNC:2315	chr11:6397	NM_03147	XM_01701	.	.	NP_11365	XP_011543	protein_co	ENSG0000	83706	23151
FES	4.26825	4.29922	4.33417	4.72651	4.15943	3.45729	FES proto-oncogene, tyrosine kinase [Source:HGNC Symbol;Acc:H	chr15:9142	NM_00114	XM_01702	.	.	NP_00113	XP_005254	protein_co	ENSG0000	2242	3657
FETUB	0.080492	0	0	0.18676	0.091027	0.101687	fetuin B [Source:HGNC Symbol;Acc:HGNC:3658]	chr3:18635	NM_00130	XM_01151	.	.	NP_00129	XP_005247	protein_co	ENSG0000	26998	3658
FEV	0	0	0	0	0	0	FEV, ETS transcription factor [Source:HGNC Symbol;Acc:HGNC:18	chr2:21984	NM_01752	.	.	.	NP_05999	.	protein_co	ENSG0000	54738	18562
FEZ1	0.951278	1.34081	1.09461	2.69515	1.11282	1.49636	fasciculation and elongation protein zeta 1 [Source:HGNC Symbol	chr11:1253	NM_00510	XM_00527	.	.	NP_00509	XP_005271	protein_co	ENSG0000	9638	3659
FEZ2	7.32736	6.59556	7.94917	5.81439	7.65922	8.7274	fasciculation and elongation protein zeta 2 [Source:HGNC Symbol	chr2:36779	NM_00104	XM_00671	.	.	NP_00103	XP_006712	protein_co	ENSG0000	9637	3660
FEZF1	0.256331	0.206418	0.175515	0.616088	0.157124	0.437442	FEZ family zinc finger 1 [Source:HGNC Symbol;Acc:HGNC:22788]	chr7:12194	NM_00102	XM_01151	.	.	NP_00101	XP_005250	protein_co	ENSG0000	389549	22788
FEZF2	0	0	0	0	0	0	FEZ family zinc finger 2 [Source:HGNC Symbol;Acc:HGNC:13506]	chr3:62355	NM_01800	XM_01153	.	.	NP_06047	.	protein_co	ENSG0000	55079	13506
FFAR1	0	0	0	0.043383	0	0.042411	free fatty acid receptor 1 [Source:HGNC Symbol;Acc:HGNC:4498]	chr19:3584	NM_00530	.	.	.	NP_00529	.	protein_co	ENSG0000	2864	4498
FFAR2	0	0	0	0	0	0	free fatty acid receptor 2 [Source:HGNC Symbol;Acc:HGNC:4501]	chr19:3593	NM_00530	XM_01702	.	.	NP_00529	XP_016882	protein_co	ENSG0000	2867	4501
FFAR3	0	0	0	0	0	0	free fatty acid receptor 3 [Source:HGNC Symbol;Acc:HGNC:4499]	chr19:3584	NM_00530	.	.	.	NP_00529	XP_011525	protein_co	ENSG0000	2865	4499
FFAR4	0	0	0	0.023508	0	0	free fatty acid receptor 4 [Source:HGNC Symbol;Acc:HGNC:19061	chr10:9532	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	338557	19061
FGA	0.027725	0	0	0	0	0	fibrinogen alpha chain [Source:HGNC Symbol;Acc:HGNC:3661]	chr4:15550	NM_00050	.	.	.	NP_00049	.	protein_co	ENSG0000	2243	3661
FGB	0	0	0	0	0	0.047207	fibrinogen beta chain [Source:HGNC Symbol;Acc:HGNC:3662]	chr4:15548	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	2244	3662
FGD1	2.46112	2.44292	2.89237	3.31116	2.81454	3.29499	FYVE, RhoGEF and PH domain containing 1 [Source:HGNC Symbol	chrX:54466	NM_00446	.	.	.	NP_00445	.	protein_co	ENSG0000	2245	3663
FGD2	0.074024	0.07337	0.042758	0.105921	0	0.190045	FYVE, RhoGEF and PH domain containing 2 [Source:HGNC Symbol	chr6:36973	NM_17355	XM_01701	.	.	NP_77582	XP_016865	protein_co	ENSG0000	221472	3664
FGD3	1.47769	1.21952	1.46852	2.15362	1.49853	1.5291	FYVE, RhoGEF and PH domain containing 3 [Source:HGNC Symbol	chr9:95709	NM_00108	XM_01701	.	.	NP_00107	XP_016870	protein_co	ENSG0000	89846	16027
FGD4	1.96291	1.94802	1.87061	1.8386	1.76333	2.01072	FYVE, RhoGEF and PH domain containing 4 [Source:HGNC Symbol	chr12:3255	NM_00130	XM_01701	.	.	NP_00129	XP_005253	protein_co	ENSG0000	121512	19125
FGD5	0	0.011201	0	0.048348	0.012819	0.048144	FYVE, RhoGEF and PH domain containing 5 [Source:HGNC Symbol	chr3:14860	NM_00132	XM_01153	.	.	NP_00130	XP_011531	protein_co	ENSG0000	152273	19117
FGD6	4.18403	4.49917	3.84793	2.84069	3.61334	3.3537	FYVE, RhoGEF and PH domain containing 6 [Source:HGNC Symbol	chr12:9547	NM_01835	.	.	.	NP_06082	.	protein_co	ENSG0000	55785	21740
FGF1	0.136053	0.087376	0	0.133774	0.09172	0.114858	fibroblast growth factor 1 [Source:HGNC Symbol;Acc:HGNC:3665	chr5:14197	NM_00080	XM_01153	.	.	NP_00079	XP_005268	protein_co	ENSG0000	2246	3665
FGF10	0	0	0	0	0	0	fibroblast growth factor 10 [Source:HGNC Symbol;Acc:HGNC:366	chr5:44303	NM_00446	XM_00524	.	.	NP_00445	XP_005248	protein_co	ENSG0000	2255	3666
FGF11	6.90953	5.99048	6.27201	5.20961	4.90577	4.14185	fibroblast growth factor 11 [Source:HGNC Symbol;Acc:HGNC:366	chr17:7341	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	2256	3667
FGF12	0	0	0	0	0	0	fibroblast growth factor 12 [Source:HGNC Symbol;Acc:HGNC:366	chr3:19185	NM_00411	XM_01700	.	.	NP_00410	XP_005247	protein_co	ENSG0000	2257	3668
FGF13	0.130034	0	0	0	0	0	fibroblast growth factor 13 [Source:HGNC Symbol;Acc:HGNC:367	chrX:13769	NM_00113	XM_01153	.	.	NP_00113	XP_005262	protein_co	ENSG0000	2258	3670
FGF14	0	0	0	0	0	0	fibroblast growth factor 14 [Source:HGNC Symbol;Acc:HGNC:367	chr13:1021	NM_00411	.	.	.	NP_00410	.	protein_co	ENSG0000	2259	3671
FGF16	0	0	0	0	0	0	fibroblast growth factor 16 [Source:HGNC Symbol;Acc:HGNC:367	chrX:76709	NM_00386	.	.	.	NP_00385	.	protein_co	ENSG0000	8823	3672
FGF17	0.562689	0.273454	0.905048	0.358616	0.326514	0.3783	fibroblast growth factor 17 [Source:HGNC Symbol;Acc:HGNC:367	chr8:21899	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	8822	3673
FGF18	0.893461	0.708694	0.962602	0.873124	0.827659	0.338594	fibroblast growth factor 18 [Source:HGNC Symbol;Acc:HGNC:367	chr5:17084	NM_00386	.	.	.	NP_00385	.	protein_co	ENSG0000	8817	3674
FGF19	19.7498	18.686	21.7992	16.6271	17.6112	38.9071	fibroblast growth factor 19 [Source:HGNC Symbol;Acc:HGNC:367	chr11:6951	NM_00511	.	.	.	NP_00510	.	protein_co	ENSG0000	9965	3675
FGF2	5.10287	5.95951	3.06909	7.57991	7.12265	5.89477	fibroblast growth factor 2 [Source:HGNC Symbol;Acc:HGNC:3676	chr4:12374	NM_00200	.	.	.	NP_00199	.	protein_co	ENSG0000	2247	3676
FGF20	0.05367	0	0	0	0	0	fibroblast growth factor 20 [Source:HGNC Symbol;Acc:HGNC:367	chr8:16849	NM_01985	.	.	.	NP_06282	.	protein_co	ENSG0000	26281	3677
FGF21	0	0.192046	0.084231	0	0	0.436999	fibroblast growth factor 21 [Source:HGNC Symbol;Acc:HGNC:367	chr19:4925	NM_01911	XM_00525	.	.	NP_06198	XP_005258	protein_co	ENSG0000	26291	3678
FGF22	0.14709	0.069303	0.693114	0.230655	0.350801	0.584751	fibroblast growth factor 22 [Source:HGNC Symbol;Acc:HGNC:367	chr19:6398	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	27006	3679
FGF23	0	0	0.04868	0.031251	0.031676	0.028828	fibroblast growth factor 23 [Source:HGNC Symbol;Acc:HGNC:368	chr12:4477	NM_02063	.	.	.	NP_06568	.	protein_co	ENSG0000	8074	3680
FGF3	0	0	0	0	0	0	fibroblast growth factor 3 [Source:HGNC Symbol;Acc:HGNC:3681	chr11:6962	NM_00524	.	.	.	NP_00523	.	protein_co	ENSG0000	2248	3681
FGF4	0	0	0	0	0	8.38E-08	fibroblast growth factor 4 [Source:HGNC Symbol;Acc:HGNC:3682	chr11:6958	NM_00200	XM_00671	.	.	NP_00199	XP_006718	protein_co	ENSG0000	2249	3682
FGF5	0	0	0	0	0	0	fibroblast growth factor 5 [Source:HGNC Symbol;Acc:HGNC:3683	chr4:81187	NM_00446	.	.	.	NP_00445	.	protein_co	ENSG0000	2250	3683
FGF6	0	0	0	0	0	0	fibroblast growth factor 6 [Source:HGNC Symbol;Acc:HGNC:3684	chr12:4543	NM_02099	.	.	.	NP_06627	.	protein_co	ENSG0000	2251	3684
FGF7	0.225835	0.049523	0.118272	0.078962	0.123145	0.148749	fibroblast growth factor 7 [Source:HGNC Symbol;Acc:HGNC:3685	chr15:4944	NM_00200	.	.	.	NP_00200	.	protein_co	ENSG0000	2252	3685
FGF8	0.577439	0.440685	1.2195	1.04373	0.786636	1.38851	fibroblast growth factor 8 [Source:HGNC Symbol;Acc:HGNC:3686	chr10:1035	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	2253	3686
FGF9	2.18412	2.59873	3.19749	1.42836	2.04681	3.35006	fibroblast growth factor 9 [Source:HGNC Symbol;Acc:HGNC:3687	chr13:2224	NM_00201	.	.	.	NP_00200	.	protein_co	ENSG0000	2254	3687
FGFBP1	4.09256	3.76617	2.71732	4.5323	5.32074	4.34653	fibroblast growth factor binding protein 1 [Source:HGNC Symbol;	chr4:15937	NM_00513	.	.	.	NP_00512	.	protein_co	ENSG0000	9982	19695
FGFBP2	0.190021	0.064206	0.055143	0.068907	0.216976	0.06781	fibroblast growth factor binding protein 2 [Source:HGNC Symbol;	chr4:15961	NM_03195	.	.	.	NP_11415	.	protein_co	ENSG0000	83888	29451
FGFBP3	1.60146	1.78225	1.67019	1.85463	2.06837	1.50113	fibroblast growth factor binding protein 3 [Source:HGNC Symbol;	chr10:9366	NM_15242	.	.	.	NP_68964	.	protein_co	ENSG0000	143282	23428
FGFR1	17.2418	17.5472	17.7594	17.6217	17.0418	15.1658	fibroblast growth factor receptor 1 [Source:HGNC Symbol;Acc:HG	chr8:38268	NM_00117	XM_01701	.	.	NP_00116	XP_006716	protein_co	ENSG0000	2260	3688
FGFR1OP	11.4423	11.8764	10.1229	11.0997	11.9017	8.32363	FGFR1 oncogene partner [Source:HGNC Symbol;Acc:HGNC:17012	chr6:16741	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	11116	17012
FGFR1OP2	13.0278	12.3335	11.5102	14.4398	11.3201	16.5711	FGFR1 oncogene partner 2 [Source:HGNC Symbol;Acc:HGNC:2309	chr12:2709	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	26127	23098
FGFR2	6.31915	5.5872	6.83457	7.73106	7.79645	7.71482	fibroblast growth factor receptor 2 [Source:HGNC Symbol;Acc:HG	chr10:1232	NM_00014	XM_01153	.	.	NP_00013	XP_006717	protein_co	ENSG0000	2263	3689
FGFR3	9.54584	8.96715	12.3139	11.8368	13.0446	12.3334	fibroblast growth factor receptor 3 [Source:HGNC Symbol;Acc:HG	chr4:17950	NM_00014	XM_01151	.	.	NP_00013	XP_006713	protein_co	ENSG0000	2261	3690
FGFR4	23.4897	24.6111	27.7697	33.2467	27.0528	27.257	fibroblast growth factor receptor 4 [Source:HGNC Symbol;Acc:HG	chr5:17651	NM_00129	XM_01153	.	.	NP_00127	XP_005265	protein_co	ENSG0000	2264	3691

FGFRL1	24.9565	27.5954	24.2642	27.3663	23.5743	26.9251	fibroblast growth factor receptor-like 1 [Source:HGNC Symbol;Ac	chr4:10037	NM_00100	XM_01151	.	.	NP_00100	XP_01151	protein_co	ENSG0000	53834	3693
FGG	0.08935	0.143044	0.229166	0	0.093132	0.131779	fibrinogen gamma chain [Source:HGNC Symbol;Acc:HGNC:3694]	chr4:15552	NM_00050	.	.	.	NP_00050	.	protein_co	ENSG0000	2266	3694
FGGY	2.93561	3.20084	3.66015	4.18916	3.09168	3.48795	FGGY carbohydrate kinase domain containing [Source:HGNC Sym	chr1:59762	NM_00111	XM_01700	.	.	NP_00110	XP_01154	protein_co	ENSG0000	55277	25610
FGL1	0.176335	0	0	0	0	0	fibrinogen like 1 [Source:HGNC Symbol;Acc:HGNC:3695]	chr8:17721	NM_00446	.	.	.	NP_00445	XP_01686	protein_co	ENSG0000	2267	3695
FGL2	0	0	0	0	0	0	fibrinogen like 2 [Source:HGNC Symbol;Acc:HGNC:3696]	chr7:76751	NM_00668	.	.	.	NP_00667	.	protein_co	ENSG0000	10875	3696
FGR	0	0	0	0	0	0	FGR proto-oncogene, Src family tyrosine kinase [Source:HGNC Sy	chr1:27938	NM_00104	XM_01154	.	.	NP_00103	XP_00671	protein_co	ENSG0000	2268	3697
FH	43.7674	44.4968	42.7131	45.979	45.064	42.2143	fumarate hydratase [Source:HGNC Symbol;Acc:HGNC:3700]	chr1:24166	NM_00014	XM_01154	.	.	NP_00013	XP_01154	protein_co	ENSG0000	2271	3700
FHAD1	1.30145	0.899375	1.11599	1.14937	1.03727	1.29523	forkhead associated phosphopeptide binding domain 1 [Source:H	chr1:15573	NM_05292	XM_01154	.	.	NP_44316	XP_01153	protein_co	ENSG0000	114827	29408
FHDC1	1.58884	1.55513	1.79789	1.3285	1.46193	1.76807	FH2 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29363	chr4:15385	NM_03339	XM_01153	.	.	NP_20375	XP_00526	protein_co	ENSG0000	85462	29363
FHIT	11.5675	7.0746	7.85103	4.77678	2.45973	10.0507	fragile histidine triad [Source:HGNC Symbol;Acc:HGNC:3701]	chr3:59735	NM_00116	XM_01153	.	.	NP_00115	XP_01153	protein_co	ENSG0000	2272	3701
FHL1	6.99913	7.47143	11.5674	6.94081	8.63678	10.7778	four and a half LIM domains 1 [Source:HGNC Symbol;Acc:HGNC:3	chrX:13522	NM_00115	XM_01702	.	.	NP_00115	XP_00672	protein_co	ENSG0000	2273	3702
FHL2	61.5223	62.7453	67.0986	67.3187	67.5871	67.1802	four and a half LIM domains 2 [Source:HGNC Symbol;Acc:HGNC:3	chr2:10597	NM_00103	XM_01151	.	.	NP_00103	XP_00526	protein_co	ENSG0000	2274	3703
FHL3	14.8791	14.4977	13.103	14.3423	13.2921	10.8723	four and a half LIM domains 3 [Source:HGNC Symbol;Acc:HGNC:3	chr1:38462	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	2275	3704
FHL5	0	0	0	0	0	0	four and a half LIM domains 5 [Source:HGNC Symbol;Acc:HGNC:1	chr6:97010	NM_00117	XM_00671	.	.	NP_00116	XP_00671	protein_co	ENSG0000	9457	17371
FHOD1	11.4147	10.6343	12.6276	12.7424	11.6347	9.40797	formin homology 2 domain containing 1 [Source:HGNC Symbol;A	chr16:6726	NM_01324	XM_01152	.	.	NP_03737	XP_01152	protein_co	ENSG0000	29109	17905
FHOD3	2.3938	2.06478	2.49777	1.96841	1.79137	2.18409	formin homology 2 domain containing 3 [Source:HGNC Symbol;A	chr18:3387	NM_00128	XM_01152	.	.	NP_00126	XP_00525	protein_co	ENSG0000	80206	26178
FIBCD1	6.21963	6.50646	10.0251	6.41678	6.41082	7.61432	fibrinogen C domain containing 1 [Source:HGNC Symbol;Acc:HGN	chr9:13377	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	84929	25922
FIBIN	0	0	0	0	0	0	fin bud initiation factor homolog (zebrafish) [Source:HGNC Symb	chr11:2701	NM_20337	.	.	.	NP_97624	.	protein_co	ENSG0000	387758	33747
FIBP	56.67	59.6916	50.2334	65.719	54.2805	45.2738	FGF1 intracellular binding protein [Source:HGNC Symbol;Acc:HGN	chr11:6565	NM_00421	.	.	.	NP_00420	.	protein_co	ENSG0000	9158	3705
FICD	3.09844	4.33726	2.31785	3.90337	3.16024	2.4956	FIC domain containing [Source:HGNC Symbol;Acc:HGNC:18416]	chr12:1089	NM_00707	XM_01153	.	.	NP_00900	XP_01153	protein_co	ENSG0000	11153	18416
FIG4	6.53079	6.55602	9.77972	6.5199	7.67752	7.95382	FIG4 phosphoinositide 5-phosphatase [Source:HGNC Symbol;Acc	chr6:11001	NM_01484	XM_01153	.	.	NP_05566	XP_01153	protein_co	ENSG0000	9896	16873
FIGLA	0	0	0	0	0	0	folliculogenesis specific bHLH transcription factor [Source:HGNC	chr2:71004	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	344018	24669
FIGN	0	0	0	0	0	0	fidgetin, microtubule severing factor [Source:HGNC Symbol;Acc:H	chr2:16444	NM_01808	XM_01151	.	.	NP_00130	XP_01150	protein_co	ENSG0000	55137	13285
FIGNL1	12.9103	12.6402	8.58959	10.1636	10.9961	11.4548	fidgetin like 1 [Source:HGNC Symbol;Acc:HGNC:13286]	chr7:50511	NM_00104	XM_01151	.	.	NP_00103	XP_01151	protein_co	ENSG0000	63979	13286
FILIP1	0	0.014039	0.03498	0.015025	0.012901	0.013269	filamin A interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:2	chr6:76001	NM_00128	XM_00524	.	.	NP_00127	XP_00524	protein_co	ENSG0000	27145	21015
FILIP1L	0	0	0	0	0	0	filamin A interacting protein 1 like [Source:HGNC Symbol;Acc:HG	chr3:99536	NM_00104	XM_01151	.	.	NP_00103	XP_00671	protein_co	ENSG0000	11259	24589
FIP1L1	28.2649	30.7239	27.7856	31.6143	32.7953	27.0232	factor interacting with PAPOLA and CPSF1 [Source:HGNC Symbol	chr4:54243	NM_00113	XM_00526	.	.	NP_00112	XP_00526	protein_co	ENSG0000	81608	19124
FIS1	87.4422	85.9815	79.8511	85.4585	61.8776	62.8766	fission, mitochondrial 1 [Source:HGNC Symbol;Acc:HGNC:21689]	chr7:10088	NM_01606	.	.	.	NP_05715	.	protein_co	ENSG0000	51024	21689
FITM1	0.304179	0.308264	0.172226	0.431524	0.353807	6.31E-52	fat storage inducing transmembrane protein 1 [Source:HGNC Syn	chr14:2454	NM_20340	.	.	.	NP_98194	.	protein_co	ENSG0000	161247	33714
FITM2	2.4496	3.04691	4.34275	3.40121	3.88549	3.99432	fat storage inducing transmembrane protein 2 [Source:HGNC Syn	chr20:4293	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	128486	16135
FIZ1	7.42419	7.46243	6.55824	7.59312	6.09337	5.17443	FLT3 interacting zinc finger 1 [Source:HGNC Symbol;Acc:HGNC:25	chr19:5610	NM_03283	XM_00525	.	.	NP_11622	XP_00525	protein_co	ENSG0000	84922	25917
FJX1	9.20353	9.49467	9.64003	11.2909	11.3162	8.06084	four jointed box 1 [Source:HGNC Symbol;Acc:HGNC:17166]	chr11:3563	NM_01434	.	.	.	NP_05515	.	protein_co	ENSG0000	24147	17166
FKBP10	27.2075	27.6618	34.8563	9.61429	8.17362	7.62076	FK506 binding protein 10 [Source:HGNC Symbol;Acc:HGNC:18169	chr17:3996	NM_02193	XM_01152	.	.	NP_06875	XP_01152	protein_co	ENSG0000	60681	18169
FKBP11	6.56107	5.32798	7.6375	7.54549	7.33335	7.18692	FK506 binding protein 11 [Source:HGNC Symbol;Acc:HGNC:18624	chr12:4929	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	51303	18624
FKBP14	4.54011	5.18196	4.9149	3.66945	4.80022	4.33484	FK506 binding protein 14 [Source:HGNC Symbol;Acc:HGNC:18625	chr7:30050	NM_01794	.	.	.	NP_06041	.	protein_co	ENSG0000	55033	18625
FKBP15	7.25393	7.56197	6.30935	6.44812	6.59553	5.59677	FK506 binding protein 15 [Source:HGNC Symbol;Acc:HGNC:23397	chr9:11592	NM_01525	XM_00671	.	.	NP_05607	XP_00671	protein_co	ENSG0000	23307	23397
FKBP1A	220.559	208.664	225.469	217.335	212.27	217.387	FK506 binding protein 1A [Source:HGNC Symbol;Acc:HGNC:3711]	chr20:1349	NM_00080	.	NR_10692	.	NP_00079	.	protein_co	ENSG0000	102465524	3711
FKBP1B	8.25516	8.4082	12.3617	8.72946	7.96483	10.6895	FK506 binding protein 1B [Source:HGNC Symbol;Acc:HGNC:3712]	chr2:24272	NM_00132	.	.	.	NP_00130	XP_01685	protein_co	ENSG0000	2281	3712
FKBP1C	23.6613	23.1916	24.0613	21.2288	17.8386	17.6435	FK506 binding protein 1C [Source:HGNC Symbol;Acc:HGNC:21376	chr6:63921	.	.	.	.	.	.	protein_co	ENSG0000	.	21376
FKBP2	109.874	103.056	79.0192	100.415	87.9219	74.3446	FK506 binding protein 2 [Source:HGNC Symbol;Acc:HGNC:3718]	chr11:6400	NM_00113	XM_00527	.	.	NP_00112	XP_00527	protein_co	ENSG0000	2286	3718
FKBP3	44.0664	40.7048	46.1384	47.3388	52.8111	61.2937	FK506 binding protein 3 [Source:HGNC Symbol;Acc:HGNC:3719]	chr14:4555	NM_00201	.	.	.	NP_00200	XP_01687	protein_co	ENSG0000	2287	3719
FKBP4	120.825	120.754	86.0345	167.886	143.502	88.9323	FK506 binding protein 4 [Source:HGNC Symbol;Acc:HGNC:3720]	chr12:2904	NM_00201	XM_01152	.	.	NP_00200	XP_01151	protein_co	ENSG0000	2288	3720
FKBP5	25.9155	25.8915	34.2214	27.7795	29.6315	29.9243	FK506 binding protein 5 [Source:HGNC Symbol;Acc:HGNC:3721]	chr6:35541	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	2289	3721
FKBP6	0	0	0.045721	0.177367	0	0	FK506 binding protein 6 [Source:HGNC Symbol;Acc:HGNC:3722]	chr7:72742	NM_00113	XM_01701	.	.	NP_00112	XP_00671	protein_co	ENSG0000	8468	3722
FKBP7	4.31993	4.2651	4.6917	6.22981	7.29331	4.47825	FK506 binding protein 7 [Source:HGNC Symbol;Acc:HGNC:3723]	chr2:17932	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	51661	3723
FKBP8	121.681	118.798	124.268	133.347	109.179	125.807	FK506 binding protein 8 [Source:HGNC Symbol;Acc:HGNC:3724]	chr19:1864	NM_00130	XM_01152	.	.	NP_00129	XP_01152	protein_co	ENSG0000	23770	3724
FKBP9	23.7159	25.7727	24.3071	27.4603	27.5377	37.0475	FK506 binding protein 9 [Source:HGNC Symbol;Acc:HGNC:3725]	chr7:32997	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	11328	3725
FKBPL	14.4151	14.1947	12.1786	18.5432	14.4136	13.5401	FK506 binding protein like [Source:HGNC Symbol;Acc:HGNC:1394	chr6:32096	NM_02211	XM_01151	.	.	NP_07139	XP_01151	protein_co	ENSG0000	63943	13949
FKRP	8.1874	7.70426	6.201	6.44972	6.644	5.61223	fukutin related protein [Source:HGNC Symbol;Acc:HGNC:17997]	chr19:4722	NM_00103	XM_01152	.	.	NP_00103	XP_00525	protein_co	ENSG0000	79147	17997
FKSG48	0	0	0	0	0	0	.	chr1:33439	.	.	.	.	.	.	protein_co	ENSG0000	.	.
FKSG52	0	0	0	0	0	0	.	chr5:58264	.	.	.	.	.	.	protein_co	ENSG0000	.	.
FKSG61	0	0	0	0	0	0	.	chr14:7786	.	.	.	.	.	.	protein_co	ENSG0000	.	.
FKSG63	0	0	0	0	0	0	.	chr16:7025	.	.	.	.	.	.	protein_co	ENSG0000	.	.
FKSG68	0.705496	0	0	0	0	0	.	chr21:3727	.	.	.	.	.	.	protein_co	ENSG0000	.	.
FKTN	4.53007	4.88872	4.837	3.54702	5.3571	5.48405	fukutin [Source:HGNC Symbol;Acc:HGNC:3622]	chr9:10832	NM_00107	XM_01701	.	.	NP_00107	XP_01686	protein_co	ENSG0000	2218	3622
FLAD1	42.5893	41.3436	35.1366	59.7496	49.7112	36.8408	flavin adenine dinucleotide synthetase 1 [Source:HGNC Symbol;A	chr1:15495	NM_00118	XM_00524	.	.	NP_00117	.	protein_co	ENSG0000	80308	24671
FLCN	5.51715	4.72786	4.58345	5.88268	5.49941	4.39532	folliculin [Source:HGNC Symbol;Acc:HGNC:27310]	chr17:1711	NM_14460	XM_01152	.	.	NP_65320	XP_01152	protein_co	ENSG0000	201163	27310
FLG	0	0	0	0	0	0	filaggrin [Source:HGNC Symbol;Acc:HGNC:3748]	chr1:15227	NM_00201	XM_01150	.	.	NP_00200	.	protein_co	ENSG0000	2312	3748
FLG2	0	0	0	0	0	0	filaggrin family member 2 [Source:HGNC Symbol;Acc:HGNC:3327	chr1:15232	NM_00101	XM_01150	.	.	NP_00101	XP_01150	protein_co	ENSG0000	388698	33276

FLI1	0	0	0	0	0	0	Fli-1 proto-oncogene, ETS transcription factor [Source:HGNC Sym	chr11:1285	NM_00116	XM_01154	.	.	NP_00116	XP_011541	protein_co	ENSG0000	2313	3749
FLII	42.4326	44.8203	39.2689	42.2204	37.7639	37.296	FLII, actin remodeling protein [Source:HGNC Symbol;Acc:HGNC:3	chr17:1812	NM_00125	XM_00525	.	.	NP_00124	XP_005256	protein_co	ENSG0000	2314	3750
FLJ00273	0.285733	0	0	0	0	0	.	chr9:35041	.	.	.	.	.	.	protein_co	ENSG0000	.	.
FLJ00325	0	0	0	0	0	0	.	chr7:10854	.	.	.	.	.	.	protein_co	ENSG0000	.	.
FLJ00388	0	0	0	0	0	0	.	chr1:48226	.	.	.	.	.	.	protein_co	ENSG0000	.	.
FLJ00418	0.064279	0.04165	0.073482	0	0.025098	0.048121	.	chr16:7069	.	.	.	.	.	.	protein_co	ENSG0000	.	.
FLJ14816	0	0	0	0	0	0	long intergenic non-protein coding RNA 1101 [Source:HGNC Sym	chr2:12122	.	.	.	.	.	.	protein_co	ENSG0000	.	25923
FLJ20306	0	0.048888	0.042448	0	0.113334	0.052879	CDNA FLJ20306 fis, clone HEP06881; Putative uncharacterized pr	chr7:64487	.	.	.	.	.	.	protein_co	ENSG0000	.	.
FLJ20373	7.99E-24	4.67E-38	4.66E-38	6.82E-59	2.84E-10	1.51E-13	.	chr2:10231	.	.	.	.	.	.	protein_co	ENSG0000	.	.
FLJ22763	0	0	0	0	0	0	uncharacterized LOC401081 [Source:EntrezGene;Acc:401081]	chr3:10885	.	.	NR_03397	.	.	.	protein_co	ENSG0000	401081	.
FLNA	84.0482	93.0982	73.348	89.8951	91.3814	88.3691	filamin A [Source:HGNC Symbol;Acc:HGNC:3754]	chrX:15357	NM_00111	XM_01153	.	.	NP_00110	XP_011529	protein_co	ENSG0000	2316	3754
FLNB	31.7789	31.5498	29.9686	32.0677	29.3839	34.5684	filamin B [Source:HGNC Symbol;Acc:HGNC:3755]	chr3:57994	NM_00116	XM_00526	.	.	NP_00115	XP_005265	protein_co	ENSG0000	2317	3755
FLNC	11.1651	12.5856	10.3868	11.1355	11.5183	8.97717	filamin C [Source:HGNC Symbol;Acc:HGNC:3756]	chr7:12847	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	2318	3756
FLOT1	32.4711	32.5275	23.679	49.1083	38.8223	29.4651	flotillin 1 [Source:HGNC Symbol;Acc:HGNC:3757]	chr6:30695	NM_00580	XM_00671	.	.	NP_00579	XP_005248	protein_co	ENSG0000	10211	3757
FLOT2	33.2707	34.8718	42.0409	38.8064	33.5107	36.0648	flotillin 2 [Source:HGNC Symbol;Acc:HGNC:3758]	chr17:2720	NM_00447	XM_01702	.	.	NP_00446	XP_005258	protein_co	ENSG0000	2319	3758
FLRT1	0	0.038736	0.016884	0	0	0.173021	fibronectin leucine rich transmembrane protein 1 [Source:HGNC	chr11:6374	NM_01328	XM_01154	.	.	NP_03741	XP_005273	protein_co	ENSG0000	23769	3760
FLRT2	0	0	0	0	0	0	fibronectin leucine rich transmembrane protein 2 [Source:HGNC	chr14:8599	NM_01323	XM_01153	.	.	NP_03736	XP_005267	protein_co	ENSG0000	23768	3761
FLRT3	0.146074	0.112406	0.217244	0	0.02303	0.060695	fibronectin leucine rich transmembrane protein 3 [Source:HGNC	chr20:1397	NM_01328	XM_01152	.	.	NP_03741	XP_005260	protein_co	ENSG0000	23767	3762
FLT1	0	0	0.008238	0	0	0	fms related tyrosine kinase 1 [Source:HGNC Symbol;Acc:HGNC:37	chr13:2887	NM_00115	XM_01153	.	.	NP_00115	XP_011533	protein_co	ENSG0000	2321	3763
FLT3	0.154182	0.266397	0.218128	0.087613	0.085869	0.19041	fms related tyrosine kinase 3 [Source:HGNC Symbol;Acc:HGNC:37	chr13:2857	NM_00411	XM_01153	.	.	NP_00411	XP_011533	protein_co	ENSG0000	2322	3765
FLT3LG	2.29204	2.1642	2.217	1.743	1.76076	1.4765	fms related tyrosine kinase 3 ligand [Source:HGNC Symbol;Acc:H	chr19:4997	NM_00120	XM_01702	.	.	NP_00119	XP_005258	protein_co	ENSG0000	2323	3766
FLT4	0.019991	0	0.051328	0.042618	0.023453	0.019566	fms related tyrosine kinase 4 [Source:HGNC Symbol;Acc:HGNC:37	chr5:18002	NM_00202	XM_01700	.	.	NP_00201	XP_011532	protein_co	ENSG0000	2324	3767
FLVCR1	5.98881	6.53159	6.45692	5.63702	6.87875	6.34468	feline leukemia virus subgroup C cellular receptor 1 [Source:HGN	chr1:21303	NM_01405	XM_01150	.	.	NP_05477	XP_011507	protein_co	ENSG0000	28982	24682
FLVCR2	0.660591	0.505488	0.586417	1.05366	1.08505	1.29216	feline leukemia virus subgroup C cellular receptor family member	chr14:7604	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	55640	20105
FLYWCH1	12.274	12.8212	13.1234	12.2148	10.155	13.9291	FLYWCH-type zinc finger 1 [Source:HGNC Symbol;Acc:HGNC:2540	chr16:2961	NM_00130	XM_01152	.	.	NP_00129	XP_005255	protein_co	ENSG0000	84256	25404
FLYWCH2	29.6367	31.8066	31.7496	32.4241	22.2311	24.2642	FLYWCH family member 2 [Source:HGNC Symbol;Acc:HGNC:2517	chr16:2933	NM_00114	XM_00525	.	.	NP_00113	XP_005255	protein_co	ENSG0000	114984	25178
FMN1	0.138895	0.074884	0.211632	0.10851	0.244741	0.247319	formin 1 [Source:HGNC Symbol;Acc:HGNC:3768]	chr15:3305	NM_00110	XM_01702	.	.	NP_00109	XP_011519	protein_co	ENSG0000	342184	3768
FMN2	0	0	0	0	0	0.041393	formin 2 [Source:HGNC Symbol;Acc:HGNC:14074]	chr1:24025	NM_00130	XM_00527	.	.	NP_00129	.	protein_co	ENSG0000	56776	14074
FMNL1	1.635	1.73288	2.3306	2.03161	2.30388	1.58366	formin like 1 [Source:HGNC Symbol;Acc:HGNC:1212]	chr17:4329	NM_00589	XM_01152	.	.	NP_00588	XP_006722	protein_co	ENSG0000	752	1212
FMNL2	10.0033	9.76448	13.0457	8.16244	11.8841	12.4081	formin like 2 [Source:HGNC Symbol;Acc:HGNC:18267]	chr2:15319	NM_05290	XM_01151	.	.	NP_44313	XP_005246	protein_co	ENSG0000	114793	18267
FMNL3	1.29145	1.42534	1.38934	1.49494	1.49261	1.53422	formin like 3 [Source:HGNC Symbol;Acc:HGNC:23698]	chr12:5001	NM_17573	XM_01153	.	.	NP_78386	XP_005269	protein_co	ENSG0000	91010	23698
FMO1	0	0	0	0	0	0	flavin containing monooxygenase 1 [Source:HGNC Symbol;Acc:H	chr1:17121	NM_00128	XM_00671	.	.	NP_00126	XP_005245	protein_co	ENSG0000	2326	3769
FMO2	0	0	0	0	0	0	flavin containing monooxygenase 2 [Source:HGNC Symbol;Acc:H	chr1:17115	NM_00146	.	.	.	NP_00145	.	protein_co	ENSG0000	2327	3770
FMO3	0	0	0	0	0	0	flavin containing monooxygenase 3 [Source:HGNC Symbol;Acc:H	chr1:17106	NM_00100	XM_01150	.	.	NP_00100	XP_011507	protein_co	ENSG0000	2328	3771
FMO4	1.13962	1.28557	1.10569	1.03497	1.00972	1.44601	flavin containing monooxygenase 4 [Source:HGNC Symbol;Acc:H	chr1:17128	NM_00202	XM_00524	.	.	NP_00201	XP_005245	protein_co	ENSG0000	2329	3772
FMO5	0	0.0824	0.061008	0.04349	0.088262	0.039756	flavin containing monooxygenase 5 [Source:HGNC Symbol;Acc:H	chr1:14665	NM_00114	XM_01150	.	.	NP_00113	XP_005273	protein_co	ENSG0000	2330	3773
FMOD	0.022143	0	0	0.072686	0	0.023347	fibromodulin [Source:HGNC Symbol;Acc:HGNC:3774]	chr1:20330	NM_00202	.	.	.	NP_00201	.	protein_co	ENSG0000	2331	3774
FMR1	9.12292	9.72043	8.4454	9.18856	12.2427	11.7829	fragile X mental retardation 1 [Source:HGNC Symbol;Acc:HGNC:3	chrX:14699	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	2332	3775
FMR1NB	0	0	0	0	0	0	fragile X mental retardation 1 neighbor [Source:HGNC Symbol;Ac	chrX:14706	NM_15257	.	.	.	NP_68979	.	protein_co	ENSG0000	158521	26372
FN1	1.14174	1.02509	2.56919	1.99477	2.07697	4.81399	fibronectin 1 [Source:HGNC Symbol;Acc:HGNC:3778]	chr2:21622	NM_00130	XM_01700	.	.	NP_00129	XP_005246	protein_co	ENSG0000	2335	3778
FN3K	3.55785	3.61738	4.732	5.19071	5.03307	4.50397	fructosamine 3 kinase [Source:HGNC Symbol;Acc:HGNC:24822]	chr17:8069	NM_02215	.	.	.	NP_07144	.	protein_co	ENSG0000	64122	24822
FN3KRP	30.9114	30.5997	29.7698	28.9658	26.8561	23.037	fructosamine 3 kinase related protein [Source:HGNC Symbol;Acc:	chr17:8067	NM_02461	.	.	.	NP_07889	.	protein_co	ENSG0000	79672	25700
FNBP1	5.54577	5.58119	6.78828	5.31134	5.04911	5.59514	formin binding protein 1 [Source:HGNC Symbol;Acc:HGNC:17069	chr9:13264	NM_01503	XM_01701	.	.	NP_05584	XP_005251	protein_co	ENSG0000	23048	17069
FNBP1L	14.7319	15.1534	13.8157	16.8442	20.5838	23.021	formin binding protein 1 like [Source:HGNC Symbol;Acc:HGNC:20	chr1:93913	NM_00102	XM_01154	.	.	NP_00102	XP_011539	protein_co	ENSG0000	54874	20851
FNBP4	13.1333	14.1603	15.3877	13.0315	14.2691	14.1556	formin binding protein 4 [Source:HGNC Symbol;Acc:HGNC:19752	chr11:4773	NM_00131	XM_00525	.	.	NP_00130	.	protein_co	ENSG0000	23360	19752
FNDC1	0.011135	0.033473	0.076962	0.024213	0.012795	0.023993	fibronectin type III domain containing 1 [Source:HGNC Symbol;Ac	chr6:15959	NM_03253	XM_01153	.	.	NP_11592	XP_011534	protein_co	ENSG0000	84624	21184
FNDC10	8.33332	8.44607	8.21693	11.0994	8.28252	6.29962	fibronectin type III domain containing 10 [Source:HGNC Symbol;A	chr1:15333	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	643988	42951
FNDC11	0.934117	0.814366	1.45507	1.31343	1.31624	1.94706	fibronectin type III domain containing 11 [Source:HGNC Symbol;A	chr20:6218	NM_00131	XM_01152	.	.	NP_00130	XP_005260	protein_co	ENSG0000	79025	28764
FNDC3A	13.6689	14.7588	12.5849	11.0253	14.0152	14.264	fibronectin type III domain containing 3A [Source:HGNC Symbol;A	chr13:4955	NM_00107	XM_01702	.	.	NP_00107	XP_011533	protein_co	ENSG0000	22862	20296
FNDC3B	8.58726	10.695	7.06084	8.71325	9.19189	8.69009	fibronectin type III domain containing 3B [Source:HGNC Symbol;A	chr3:17175	NM_00113	XM_01151	.	.	NP_00112	.	protein_co	ENSG0000	64778	24670
FNDC4	2.28864	2.69637	2.69888	2.10847	1.84312	1.98662	fibronectin type III domain containing 4 [Source:HGNC Symbol;Ac	chr2:27714	NM_02282	XM_00526	.	.	NP_07373	XP_005264	protein_co	ENSG0000	64838	20239
FNDC5	0	0	0	0	0	0	fibronectin type III domain containing 5 [Source:HGNC Symbol;Ac	chr1:33327	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	252995	20240
FNDC7	0	0	0.054866	0.023545	0	0.021532	fibronectin type III domain containing 7 [Source:HGNC Symbol;Ac	chr1:10925	NM_00114	XM_01154	.	.	NP_00113	.	protein_co	ENSG0000	163479	26668
FNDC8	0.052198	0	0	0	0	0	fibronectin type III domain containing 8 [Source:HGNC Symbol;Ac	chr17:3344	NM_01755	.	.	.	NP_06002	.	protein_co	ENSG0000	54752	25286
FNDC9	0	0	0	0	0	0	fibronectin type III domain containing 9 [Source:HGNC Symbol;Ac	chr5:15669	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	408263	33547
FNIP1	5.40881	5.37988	5.66161	5.21731	5.20076	6.50044	folliculin interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:2	chr5:13075	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	96459	29418
FNIP2	1.41504	1.63831	1.57169	2.00386	2.28348	2.47514	folliculin interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:2	chr4:15969	NM_00132	XM_01153	.	.	NP_00131	XP_005263	protein_co	ENSG0000	57600	29280
FNTA	26.7236	23.111	29.9919	23.7794	26.1555	33.6762	farnesyltransferase, CAAX box, alpha [Source:HGNC Symbol;Acc:H	chr8:42911	NM_00202	.	.	.	NP_00201	.	protein_co	ENSG0000	2339	3782
FNTB	15.9203	14.8602	13.1686	16.5427	17.5429	15.3569	farnesyltransferase, CAAX box, beta [Source:HGNC Symbol;Acc:H	chr14:6538	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	2342	3785

FOCAD	11.7449	12.5398	12.0942	12.5896	11.5103	14.5995	focadhesin [Source:HGNC Symbol;Acc:HGNC:23377]	chr9:20658	NM_01779	XM_01701	.	.	NP_06026	XP_005251	protein_co	ENSG0000	54914	23377
FOLH1	0	0	0	0	0	0	folate hydrolase 1 [Source:HGNC Symbol;Acc:HGNC:3788]	chr11:4916	NM_00101	XM_01701	.	.	NP_00101	XP_016872	protein_co	ENSG0000	219595	3788
FOLR1	3.06484	3.40552	5.76965	7.73729	6.68428	10.7886	folate receptor 1 [Source:HGNC Symbol;Acc:HGNC:3791]	chr11:7190	NM_00080	.	.	.	NP_00079	.	protein_co	ENSG0000	2348	3791
FOLR2	0	0	0	0	0	0	folate receptor beta [Source:HGNC Symbol;Acc:HGNC:3793]	chr11:7192	NM_00080	XM_01154	.	.	NP_00079	XP_005273	protein_co	ENSG0000	2350	3793
FOLR3	0.109545	0	0	0	0	0.119543	folate receptor 3 [Source:HGNC Symbol;Acc:HGNC:3795]	chr11:7184	NM_00080	XM_01154	.	.	NP_00079	XP_011543	protein_co	ENSG0000	2352	3795
FOPNL	35.5536	35.1224	38.5515	44.9179	42.9373	50.3417	FGFR1OP N-terminal like [Source:HGNC Symbol;Acc:HGNC:26435	chr16:1595	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	123811	26435
FOS	5.53618	6.13022	9.2525	6.04108	4.6885	5.73317	Fos proto-oncogene, AP-1 transcription factor subunit [Source:H	chr14:7574	NM_00525	.	.	.	NP_00524	.	protein_co	ENSG0000	2353	3796
FOSB	2.48717	3.52007	1.39176	1.51276	1.58739	1.05341	FosB proto-oncogene, AP-1 transcription factor subunit [Source:H	chr19:4588	NM_00111	XM_00525	.	.	NP_00110	XP_005258	protein_co	ENSG0000	2354	3797
FOSL1	99.3747	104.164	59.5041	119.15	109.294	78.2944	FOS like 1, AP-1 transcription factor subunit [Source:HGNC Symb	chr11:6565	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	8061	13718
FOSL2	11.9668	12.8799	10.7992	12.9415	15.5145	11.7534	FOS like 2, AP-1 transcription factor subunit [Source:HGNC Symb	chr2:28615	NM_00525	XM_00671	.	.	NP_00524	XP_006712	protein_co	ENSG0000	2355	3798
FOXA1	1.13565	0.931797	1.37949	0.525026	1.12797	0.839324	forkhead box A1 [Source:HGNC Symbol;Acc:HGNC:5021]	chr14:3805	NM_00449	.	.	.	NP_00448	XP_016876	protein_co	ENSG0000	3169	5021
FOXA2	0.336124	0.410716	0.636166	0.406248	0.442802	0.509884	forkhead box A2 [Source:HGNC Symbol;Acc:HGNC:5022]	chr20:2256	NM_02178	XM_00672	.	.	NP_06855	XP_006723	protein_co	ENSG0000	3170	5022
FOXA3	5.17149	5.31486	5.19151	6.4346	5.11365	5.71017	forkhead box A3 [Source:HGNC Symbol;Acc:HGNC:5023]	chr19:4636	NM_00449	.	.	.	NP_00448	.	protein_co	ENSG0000	3171	5023
FOXB1	0	0	0	0	0	0	forkhead box B1 [Source:HGNC Symbol;Acc:HGNC:3799]	chr15:6029	NM_01218	.	.	.	NP_03631	.	protein_co	ENSG0000	27023	3799
FOXB2	0	0	0	0	0	0	forkhead box B2 [Source:HGNC Symbol;Acc:HGNC:23315]	chr9:79634	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	442425	23315
FOXC1	17.0614	17.4204	30.9151	19.2106	20.3355	37.6862	forkhead box C1 [Source:HGNC Symbol;Acc:HGNC:3800]	chr6:16102	NM_00145	.	.	.	NP_00144	.	protein_co	ENSG0000	2296	3800
FOXC2	0.046995	0.183821	0.040081	0.202593	0.055047	0.206768	forkhead box C2 [Source:HGNC Symbol;Acc:HGNC:3801]	chr16:8660	NM_00525	.	.	.	NP_00524	.	protein_co	ENSG0000	2303	3801
FOXD1	16.5592	16.6229	18.2021	22.8986	21.5164	22.6119	forkhead box D1 [Source:HGNC Symbol;Acc:HGNC:3802]	chr5:72742	NM_00447	.	.	.	NP_00446	.	protein_co	ENSG0000	2297	3802
FOXD2	1.10628	0.878535	0.837687	0.782764	0.70241	0.83237	forkhead box D2 [Source:HGNC Symbol;Acc:HGNC:3803]	chr1:47901	NM_00447	.	.	.	NP_00446	.	protein_co	ENSG0000	2306	3803
FOXD3	0.301078	0.141836	0.188976	0.078786	0.089825	0	forkhead box D3 [Source:HGNC Symbol;Acc:HGNC:3804]	chr1:63788	NM_01218	.	.	.	NP_03631	.	protein_co	ENSG0000	27022	3804
FOXD4	2.41874	2.93176	1.55173	2.20703	2.47946	2.21545	forkhead box D4 [Source:HGNC Symbol;Acc:HGNC:3805]	chr9:11623	NM_20730	.	.	.	NP_99718	.	protein_co	ENSG0000	2298	3805
FOXD4L1	0.404958	0.399566	0.345927	0.392617	0.37536	0.264843	forkhead box D4-like 1 [Source:HGNC Symbol;Acc:HGNC:18521]	chr2:11425	NM_01218	.	.	.	NP_03631	.	protein_co	ENSG0000	200350	18521
FOXD4L2	0	0	0	0	0	0	forkhead box D4-like 2 [Source:HGNC Symbol;Acc:24813]	chr9:42717	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	349334	24813
FOXD4L3	0	0.162946	0	0.118861	0	0.061026	forkhead box D4-like 3 [Source:HGNC Symbol;Acc:HGNC:18523]	chr9:70917	NM_19913	.	.	.	NP_95458	.	protein_co	ENSG0000	286380	18523
FOXD4L4	0	0	0	0	0	0	forkhead box D4-like 4 [Source:HGNC Symbol;Acc:HGNC:23762]	chr9:70426	NM_19924	.	.	.	NP_95471	.	protein_co	ENSG0000	349334	23762
FOXD4L5	0	0	0	0.034534	0	0.033346	forkhead box D4-like 5 [Source:HGNC Symbol;Acc:HGNC:18522]	chr9:70175	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	653427	18522
FOXD4L6	0	0	0.032258	0	0.08677	0	forkhead box D4-like 6 [Source:HGNC Symbol;Acc:HGNC:31986]	chr9:69199	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	653404	31986
FOXE1	0	0	0	0	0	0	forkhead box E1 [Source:HGNC Symbol;Acc:HGNC:3806]	chr9:10061	NM_00447	.	.	.	NP_00446	.	protein_co	ENSG0000	2304	3806
FOXE3	0.33564	0.322257	0.280298	0.533777	0.490993	0.379666	forkhead box E3 [Source:HGNC Symbol;Acc:HGNC:3808]	chr1:47881	NM_01218	.	.	.	NP_03631	.	protein_co	ENSG0000	2301	3808
FOXF1	2.05945	2.34666	2.76018	2.24808	2.25854	2.33322	forkhead box F1 [Source:HGNC Symbol;Acc:HGNC:3809]	chr16:8654	NM_00145	.	.	.	NP_00144	.	protein_co	ENSG0000	2294	3809
FOXF2	0	0	0	0	0	0	forkhead box F2 [Source:HGNC Symbol;Acc:HGNC:3810]	chr6:13900	NM_00145	.	.	.	NP_00144	.	protein_co	ENSG0000	2295	3810
FOXG1	0	0	0	0	0	0	forkhead box G1 [Source:HGNC Symbol;Acc:HGNC:3811]	chr14:2923	NM_00524	.	.	.	NP_00524	.	protein_co	ENSG0000	2290	3811
FOXH1	0.149938	0.147605	0.28989	0	0.087108	0.124914	forkhead box H1 [Source:HGNC Symbol;Acc:HGNC:3814]	chr8:14569	NM_00392	.	.	.	NP_00391	.	protein_co	ENSG0000	8928	3814
FOXI1	0	0	0	0	0	0	forkhead box I1 [Source:HGNC Symbol;Acc:HGNC:3815]	chr5:16953	NM_01218	.	.	.	NP_03632	.	protein_co	ENSG0000	2299	3815
FOXI2	0	0	0	0	0	0	forkhead box I2 [Source:HGNC Symbol;Acc:HGNC:32448]	chr10:1295	NM_20742	.	.	.	NP_99730	.	protein_co	ENSG0000	399823	32448
FOXI3	0	0.037212	0	0	0	0	forkhead box I3 [Source:HGNC Symbol;Acc:HGNC:35123]	chr2:88746	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	344167	35123
FOXJ1	0.100016	0.064462	0.486252	0.070601	0.078427	0.037679	forkhead box J1 [Source:HGNC Symbol;Acc:HGNC:3816]	chr17:7413	NM_00145	.	.	.	NP_00144	.	protein_co	ENSG0000	2302	3816
FOXJ2	7.54414	8.21654	7.62907	7.99881	8.65631	9.34933	forkhead box J2 [Source:HGNC Symbol;Acc:HGNC:24818]	chr12:8185	NM_01841	XM_01152	.	.	NP_06088	XP_011519	protein_co	ENSG0000	55810	24818
FOXJ3	18.6168	20.4498	19.7351	17.9995	20.9433	20.9109	forkhead box J3 [Source:HGNC Symbol;Acc:HGNC:29178]	chr1:42642	NM_00119	XM_01700	.	.	NP_00118	XP_00527	protein_co	ENSG0000	22887	29178
FOXK1	13.9761	15.1987	15.999	12.2268	13.8864	12.7139	forkhead box K1 [Source:HGNC Symbol;Acc:HGNC:23480]	chr7:47219	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	221937	23480
FOXK2	36.6118	38.2505	40.2127	43.5141	45.9144	41.7636	forkhead box K2 [Source:HGNC Symbol;Acc:HGNC:6036]	chr17:8047	NM_00451	.	.	.	NP_00450	.	protein_co	ENSG0000	3607	6036
FOXL1	1.38194	1.45617	1.76176	2.45207	1.56887	2.77213	forkhead box L1 [Source:HGNC Symbol;Acc:HGNC:3817]	chr16:8661	NM_00525	.	.	.	NP_00524	.	protein_co	ENSG0000	2300	3817
FOXL2	0	0	0	0	0	0	forkhead box L2 [Source:HGNC Symbol;Acc:HGNC:1092]	chr3:13866	NM_02306	.	.	.	NP_07555	.	protein_co	ENSG0000	668	1092
FOXL2NB	0.671856	0.612468	0.428222	0.246325	0.253906	0.259662	FOXL2 neighbor [Source:HGNC Symbol;Acc:HGNC:34428]	chr3:13866	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	401089	34428
FOXM1	27.3508	32.2743	21.8773	39.9288	36.2705	22.3243	forkhead box M1 [Source:HGNC Symbol;Acc:HGNC:3818]	chr12:2966	NM_00124	XM_01152	.	.	NP_00123	XP_005253	protein_co	ENSG0000	2305	3818
FOXN1	0	0	0	0	0	0	forkhead box N1 [Source:HGNC Symbol;Acc:HGNC:12765]	chr17:2683	NM_00359	XM_01702	.	.	NP_00358	XP_005258	protein_co	ENSG0000	8456	12765
FOXN2	7.99621	8.89533	9.54672	7.86143	8.8809	10.7166	forkhead box N2 [Source:HGNC Symbol;Acc:HGNC:5281]	chr2:48541	NM_00215	XM_01700	.	.	NP_00214	XP_005264	protein_co	ENSG0000	3344	5281
FOXN3	5.49194	5.83414	7.68825	4.55346	5.08093	6.49137	forkhead box N3 [Source:HGNC Symbol;Acc:HGNC:1928]	chr14:8962	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	1112	1928
FOXN4	0.18495	0.16135	0.233943	0.249638	0.23787	0.336267	forkhead box N4 [Source:HGNC Symbol;Acc:HGNC:21399]	chr12:1097	NM_21359	XM_01153	.	.	NP_99876	XP_011536	protein_co	ENSG0000	121643	21399
FOXO1	3.29317	3.60196	3.85568	2.08213	2.36614	3.19023	forkhead box O1 [Source:HGNC Symbol;Acc:HGNC:3819]	chr13:4111	NM_00201	.	.	.	NP_00200	.	protein_co	ENSG0000	2308	3819
FOXO3	10.6303	11.5828	10.4705	8.34568	9.30538	13.9299	forkhead box O3 [Source:HGNC Symbol;Acc:HGNC:3821]	chr6:10888	NM_00145	XM_01153	.	.	NP_00144	XP_005266	protein_co	ENSG0000	2309	3821
FOXO4	5.02541	4.16769	4.99443	4.21074	4.45167	5.49215	forkhead box O4 [Source:HGNC Symbol;Acc:HGNC:7139]	chrX:70316	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	4303	7139
FOXO6	2.82237	2.49841	2.80231	2.61667	1.7383	2.6548	forkhead box O6 [Source:HGNC Symbol;Acc:HGNC:24814]	chr1:41827	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	100132074	24814
FOXP1	1.26645	1.80199	1.56335	1.28498	2.49979	3.07992	forkhead box P1 [Source:HGNC Symbol;Acc:HGNC:3823]	chr3:71003	NM_00101	XM_01700	.	.	NP_00101	XP_005264	protein_co	ENSG0000	27086	3823
FOXP2	0.443772	0.661309	0.783423	0.230684	0.342669	0.636017	forkhead box P2 [Source:HGNC Symbol;Acc:HGNC:13875]	chr7:11372	NM_00117	XM_01151	.	.	NP_00116	XP_016868	protein_co	ENSG0000	93986	13875
FOXP3	0.067276	0.063682	0.193167	0.141937	0.222445	0.293991	forkhead box P3 [Source:HGNC Symbol;Acc:HGNC:6106]	chrX:49091	NM_00111	XM_01154	.	.	NP_00110	XP_006724	protein_co	ENSG0000	50943	6106
FOXP4	12.8901	13.0831	13.4939	14.0677	12.9298	11.8663	forkhead box P4 [Source:HGNC Symbol;Acc:HGNC:20842]	chr6:41514	NM_00101	XM_01151	.	.	NP_00101	XP_006715	protein_co	ENSG0000	116113	20842
FOXQ1	0.131939	0.128296	0.559566	0.28552	0.153796	0.215632	forkhead box Q1 [Source:HGNC Symbol;Acc:HGNC:20951]	chr6:13126	NM_03326	.	.	.	NP_15028	.	protein_co	ENSG0000	94234	20951
FOXR1	0	0	0	0	0	0	forkhead box R1 [Source:HGNC Symbol;Acc:HGNC:29980]	chr11:1188	NM_18172	XM_01154	.	.	NP_85907	XP_016873	protein_co	ENSG0000	283150	29980

FOXR2	0	0	0	0	0	0	forkhead box R2 [Source:HGNC Symbol;Acc:HGNC:30469]	chrX:55649	NM_19845	.	.	.	NP_94085	.	protein_co	ENSG0000	139628	30469
FOXRED1	24.1117	22.8876	22.1342	22.9542	22.0998	17.3667	FAD dependent oxidoreductase domain containing 1 [Source:HGI	chr11:1261	NM_01754	XM_01701	.	.	NP_06001	XP_011541	protein_co	ENSG0000	55572	26927
FOXRED2	7.71611	7.80586	5.89267	8.96727	8.15753	5.56188	FAD dependent oxidoreductase domain containing 2 [Source:HGI	chr22:3688	NM_00110	XM_01153	.	.	NP_00109	.	protein_co	ENSG0000	80020	26264
FOXS1	0	0.075167	0	0	0	0.086981	forkhead box S1 [Source:HGNC Symbol;Acc:HGNC:3735]	chr20:3043	NM_00411	.	.	.	NP_00410	.	protein_co	ENSG0000	2307	3735
FP15737	3.83E-06	3.94E-06	4.64E-06	1.82E-06	6.01E-06	2.28E-05	.	chr8:23386	.	.	.	.	.	.	protein_co	ENSG0000	.	.
FPGS	32.455	34.8267	32.471	36.262	28.6893	23.6991	folylpolyglutamate synthase [Source:HGNC Symbol;Acc:HGNC:38	chr9:13056	NM_00101	XM_01151	NR_11017	.	NP_00101	XP_005251	protein_co	ENSG0000	2356	3824
FPGT	4.93981	6.25728	4.29918	4.24025	4.69511	5.12612	fucose-1-phosphate guanylyltransferase [Source:HGNC Symbol;A	chr1:74663	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	8790	3825
FPGT-TNNI3K	0.22365	0.331367	0.393552	0.168278	0.190848	0.265484	FPGT-TNNI3K readthrough [Source:HGNC Symbol;Acc:HGNC:429	chr1:74663	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	100526835	42952
FPR1	0	0.080728	0.067877	0.215797	0.176578	0.241838	formyl peptide receptor 1 [Source:HGNC Symbol;Acc:HGNC:3826	chr19:5224	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	2357	3826
FPR2	0	0.04245	0	0	0	0	formyl peptide receptor 2 [Source:HGNC Symbol;Acc:HGNC:3827	chr19:5226	NM_00100	XM_00672	.	.	NP_00100	XP_006723	protein_co	ENSG0000	2358	3827
FPR3	0	0	0	0	0	0	formyl peptide receptor 3 [Source:HGNC Symbol;Acc:HGNC:3828	chr19:5229	NM_00203	XM_01152	.	.	NP_00202	XP_011524	protein_co	ENSG0000	2359	3828
FRA10AC1	6.64123	6.95594	6.04248	7.87246	7.50384	8.21116	fragile site, folic acid type, rare, fra(10)(q23.3) or fra(10)(q24.2) c	chr10:9542	NM_14524	XM_01153	.	.	NP_66028	XP_005269	protein_co	ENSG0000	118924	1162
FRAS1	3.98766	4.3337	9.69332	2.02265	2.32385	4.83311	Fraser extracellular matrix complex subunit 1 [Source:HGNC Sym	chr4:78978	NM_00116	XM_00671	.	.	NP_00115	XP_006714	protein_co	ENSG0000	80144	19185
FRAT1	0.953684	0.32533	0.706929	0.403388	0.384917	0.994229	frequently rearranged in advanced T-cell lymphomas 1 [Source:H	chr10:9907	NM_00547	.	.	.	NP_00547	.	protein_co	ENSG0000	10023	3944
FRAT2	6.85849	8.29679	7.93189	5.30516	4.55247	8.25432	frequently rearranged in advanced T-cell lymphomas 2 [Source:H	chr10:9909	NM_01208	.	.	.	NP_03621	.	protein_co	ENSG0000	23401	16048
FREM1	0	0	0	0	0	0	FRAS1 related extracellular matrix 1 [Source:HGNC Symbol;Acc:H	chr9:14734	NM_00117	XM_01151	.	.	NP_00117	XP_005251	protein_co	ENSG0000	158326	23399
FREM2	0	0.00478	0	0	0	0	FRAS1 related extracellular matrix protein 2 [Source:HGNC Symb	chr13:3926	NM_20736	.	.	.	NP_99724	.	protein_co	ENSG0000	341640	25396
FREM3	0	0	0	0	0	0	FRAS1 related extracellular matrix 3 [Source:HGNC Symbol;Acc:H	chr4:14449	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	166752	25172
FRG1	32.4461	29.559	25.4418	26.2287	25.6571	29.2968	FSHD region gene 1 [Source:HGNC Symbol;Acc:HGNC:3954]	chr4:19086	NM_00447	.	.	.	NP_00446	.	protein_co	ENSG0000	2483	3954
FRG2	0.038271	0	0.066965	0	0.085705	0	FSHD region gene 2 [Source:HGNC Symbol;Acc:HGNC:19136]	chr4:19094	NM_00100	XM_01153	.	.	NP_00100	XP_011530	protein_co	ENSG0000	448831	19136
FRG2B	0	0	0	0	0	0	FSHD region gene 2 family member B [Source:HGNC Symbol;Acc:	chr10:1354	NM_00108	XM_01153	.	.	NP_00107	XP_011538	protein_co	ENSG0000	441581	33518
FRG2C	0	0	0	0	0.042475	0	FSHD region gene 2 family member C [Source:HGNC Symbol;Acc:	chr3:75713	NM_00112	XM_01153	.	.	NP_00111	XP_011531	protein_co	ENSG0000	100288801	33626
FRK	1.23782	1.30888	1.70506	1.0101	1.32409	2.0483	fyn related Src family tyrosine kinase [Source:HGNC Symbol;Acc:H	chr6:11625	NM_00203	XM_01153	.	.	NP_00202	XP_005266	protein_co	ENSG0000	2444	3955
FRMD1	0	0	0	0	0	0	FERM domain containing 1 [Source:HGNC Symbol;Acc:HGNC:212	chr6:16845	NM_00112	XM_01153	.	.	NP_00111	XP_011534	protein_co	ENSG0000	79981	21240
FRMD3	0.352157	0.439579	0.336246	0.127347	0.3223	0.217939	FERM domain containing 3 [Source:HGNC Symbol;Acc:HGNC:241	chr9:85857	NM_00124	XM_01701	.	.	NP_00123	XP_016870	protein_co	ENSG0000	257019	24125
FRMD4A	0.24669	0.147636	0.214239	0.079607	0.140228	0.128265	FERM domain containing 4A [Source:HGNC Symbol;Acc:HGNC:25	chr10:1362	NM_00131	XM_01151	.	.	NP_00130	XP_005252	protein_co	ENSG0000	55691	25491
FRMD4B	0.728996	0.721595	0.834638	0.906596	1.17326	1.35848	FERM domain containing 4B [Source:HGNC Symbol;Acc:HGNC:24	chr3:69219	NM_01512	XM_01700	.	.	NP_05593	XP_005264	protein_co	ENSG0000	23150	24886
FRMD5	17.335	17.6994	22.387	21.0021	18.9178	21.9137	FERM domain containing 5 [Source:HGNC Symbol;Acc:HGNC:282	chr15:4416	NM_00128	XM_01152	.	.	NP_00127	XP_005254	protein_co	ENSG0000	84978	28214
FRMD6	3.63832	3.83414	4.3715	3.94638	4.39514	6.51457	FERM domain containing 6 [Source:HGNC Symbol;Acc:HGNC:198	chr14:5195	NM_00104	XM_01153	.	.	NP_00103	XP_006720	protein_co	ENSG0000	122786	19839
FRMD7	0	0	0	0	0	0	FERM domain containing 7 [Source:HGNC Symbol;Acc:HGNC:807	chrX:13121	NM_00130	XM_01702	.	.	NP_00129	XP_005262	protein_co	ENSG0000	90167	8079
FRMD8	16.1438	16.1578	19.4675	17.3623	16.6494	12.1094	FERM domain containing 8 [Source:HGNC Symbol;Acc:HGNC:254	chr11:6515	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	83786	25462
FRMPD1	0.171466	0.201205	0.206093	0.273835	0.240452	0.196177	FERM and PDZ domain containing 1 [Source:HGNC Symbol;Acc:H	chr9:37650	NM_01490	XM_01701	.	.	NP_05572	XP_011516	protein_co	ENSG0000	22844	29159
FRMPD2	0.059855	0.073479	0.180524	0.112926	0.080616	0.124978	FERM and PDZ domain containing 2 [Source:HGNC Symbol;Acc:H	chr10:4936	NM_00101	XM_01153	.	.	NP_00101	XP_011537	protein_co	ENSG0000	143162	28572
FRMPD3	0.242498	0.282372	0.31017	0.115194	0.22311	0.179247	FERM and PDZ domain containing 3 [Source:HGNC Symbol;Acc:H	chrX:10676	NM_03242	XM_01702	.	.	NP_11580	XP_006724	protein_co	ENSG0000	84443	29382
FRMPD4	0	0	0	0	0	0	FERM and PDZ domain containing 4 [Source:HGNC Symbol;Acc:H	chrX:12156	NM_01472	XM_01702	.	.	NP_05554	XP_005274	protein_co	ENSG0000	9758	29007
FRRS1	3.66117	3.32599	3.91376	3.33505	3.45526	3.88036	ferric chelate reductase 1 [Source:HGNC Symbol;Acc:HGNC:2762	chr1:10017	NM_00101	XM_01154	.	.	NP_00101	XP_005270	protein_co	ENSG0000	391059	27622
FRRS1L	0	0	0	0	0	0	ferric chelate reductase 1 like [Source:HGNC Symbol;Acc:HGNC:1	chr9:11189	NM_01433	.	.	.	NP_05514	.	protein_co	ENSG0000	23732	1362
FRS2	6.04959	6.94141	5.81011	4.7491	6.6339	6.31182	fibroblast growth factor receptor substrate 2 [Source:HGNC Symb	chr12:6986	NM_00104	XM_01701	.	.	NP_00103	XP_016874	protein_co	ENSG0000	10818	16971
FRS3	2.65737	2.65015	2.38185	1.96013	2.20549	2.4808	fibroblast growth factor receptor substrate 3 [Source:HGNC Symb	chr6:41737	NM_00665	XM_01151	.	.	NP_00664	XP_011512	protein_co	ENSG0000	10817	16970
FRY	0.329509	0.282113	0.38936	0.191349	0.200537	0.370784	FRY microtubule binding protein [Source:HGNC Symbol;Acc:HGN	chr13:3260	NM_02303	XM_01702	.	.	NP_07546	XP_006719	protein_co	ENSG0000	10129	20367
FRYL	8.36877	9.53791	8.0356	8.07204	11.1912	11.7074	FRY like transcription coactivator [Source:HGNC Symbol;Acc:HGN	chr4:48499	NM_01503	XM_01700	.	.	NP_05584	XP_005248	protein_co	ENSG0000	285527	29127
FRZB	0.286199	0.233099	0.355388	0.143054	0.142405	0.351141	frizzled-related protein [Source:HGNC Symbol;Acc:HGNC:3959]	chr2:18369	NM_00146	.	.	.	NP_00145	.	protein_co	ENSG0000	2487	3959
FSBP	2.3E-06	0.259668	0.256221	1.43E-06	0.170832	0.350616	fibrinogen silencer binding protein [Source:HGNC Symbol;Acc:HG	chr8:95384	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	100861412	43653
FSCB	0	0	0	0	0	0	fibrous sheath CABYR binding protein [Source:HGNC Symbol;Acc:	chr14:4497	NM_03213	.	.	.	NP_11551	.	protein_co	ENSG0000	84075	20494
FSCN1	154.906	167.921	170.742	227.896	196.824	197.338	fascin actin-bundling protein 1 [Source:HGNC Symbol;Acc:HGNC:	chr7:56324	NM_00308	.	.	.	NP_00307	.	protein_co	ENSG0000	6624	11148
FSCN2	1.04437	1.22493	1.79818	0.063276	0.63902	0.389417	fascin actin-bundling protein 2, retinal [Source:HGNC Symbol;Acc	chr17:7949	NM_00107	XM_01152	.	.	NP_00107	XP_005257	protein_co	ENSG0000	25794	3960
FSCN3	0.064377	0.032805	0.167046	0.035158	0.036692	0.03392	fascin actin-bundling protein 3 [Source:HGNC Symbol;Acc:HGNC:	chr7:12723	NM_02036	.	.	.	NP_06510	.	protein_co	ENSG0000	29999	3961
FSD1	10.724	9.85417	12.3652	11.3343	9.18916	8.19222	fibronectin type III and SPRY domain containing 1 [Source:HGNC	chr19:4304	NM_02433	XM_00525	.	.	NP_07730	XP_005259	protein_co	ENSG0000	79187	13745
FSD1L	2.28851	2.61867	1.919	2.08496	3.05789	2.52731	fibronectin type III and SPRY domain containing 1 like [Source:HG	chr9:10821	NM_00114	XM_01701	.	.	NP_00113	XP_005252	protein_co	ENSG0000	83856	13753
FSD2	0	0	0.042207	0	0	0	fibronectin type III and SPRY domain containing 2 [Source:HGNC	chr15:8342	NM_00100	XM_01152	.	.	NP_00100	XP_005272	protein_co	ENSG0000	123722	18024
FSHB	0	0	0	0	0	0	follicle stimulating hormone beta subunit [Source:HGNC Symbol;	chr11:3025	NM_00051	XM_01151	.	.	NP_00050	XP_011518	protein_co	ENSG0000	2488	3964
FSHR	0	0	0	0	0	0	follicle stimulating hormone receptor [Source:HGNC Symbol;Acc:	chr2:49189	NM_00014	XM_01153	.	.	NP_00013	XP_011531	protein_co	ENSG0000	2492	3969
FSIP1	0.268114	0.078804	0.3415	0.224223	0.480624	0.282591	fibrous sheath interacting protein 1 [Source:HGNC Symbol;Acc:H	chr15:3989	NM_00132	XM_01152	.	.	NP_00131	XP_005254	protein_co	ENSG0000	161835	21674
FSIP2	0	0.007733	0	0	0	0	fibrous sheath interacting protein 2 [Source:HGNC Symbol;Acc:H	chr2:18660	NM_17365	XM_01151	.	.	NP_77592	.	protein_co	ENSG0000	401024	21675
FST	0.102626	0.178362	0.087034	0.076689	0.076518	0.068971	follistatin [Source:HGNC Symbol;Acc:HGNC:3971]	chr5:52776	NM_00635	XM_00524	.	.	NP_00634	XP_005248	protein_co	ENSG0000	10468	3971
FSTL1	6.26066	6.50217	6.47282	6.17504	6.87552	5.70449	follistatin like 1 [Source:HGNC Symbol;Acc:HGNC:3972]	chr3:12011	NM_00708	.	NR_02958	.	NP_00901	.	protein_co	ENSG0000	406975	3972
FSTL3	16.9096	17.6119	14.2579	13.6462	10.7671	9.50304	follistatin like 3 [Source:HGNC Symbol;Acc:HGNC:3973]	chr19:6763	NM_00586	.	.	.	NP_00585	.	protein_co	ENSG0000	10272	3973
FSTL4	0.224324	0.257495	0.132645	0.27647	0.117805	0.136935	follistatin like 4 [Source:HGNC Symbol;Acc:HGNC:21389]	chr5:13253	NM_01508	XM_01154	.	.	NP_05589	XP_011541	protein_co	ENSG0000	23105	21389
FSTL5	0.090678	0	0.039531	0	0	0.015349	follistatin like 5 [Source:HGNC Symbol;Acc:HGNC:21386]	chr4:16230	NM_00112	XM_01153	.	.	NP_00112	XP_011530	protein_co	ENSG0000	56884	21386

FTCD	0.100949	0.086964	0.086353	0	0.111112	0.050672	formimidoyltransferase cyclodeaminase [Source:HGNC Symbol;A	chr21:4755	NM_00132	XM_01152	.	.	NP_00130	XP_006724	protein_co	ENSG0000	10841	3974
FTCDNL1	1.5713	0.745229	1.09296	0.737854	0.889938	0.812141	formiminotransferase cyclodeaminase N-terminal like [Source:HG	chr2:20062	.	.	.	.	.	.	protein_co	ENSG0000	.	48661
FTH1	1896.95	1858.84	1202.02	2295.66	1882.76	1722.06	ferritin heavy chain 1 [Source:HGNC Symbol;Acc:HGNC:3976]	chr11:6171	NM_00203	.	.	.	NP_00202	.	protein_co	ENSG0000	2495	3976
FTHL17	0	0	0	0	0	0	ferritin heavy chain like 17 [Source:HGNC Symbol;Acc:HGNC:3987	chrX:31089	NM_03189	.	.	.	NP_11410	.	protein_co	ENSG0000	53940	3987
FTL	2181.51	2097.57	1536.41	1886.9	1403.56	1705.17	ferritin light chain [Source:HGNC Symbol;Acc:HGNC:3999]	chr19:4946	NM_00014	.	.	.	NP_00013	.	protein_co	ENSG0000	2512	3999
FTMT	0	0	0	0	0	0	ferritin mitochondrial [Source:HGNC Symbol;Acc:HGNC:17345]	chr5:12118	NM_17747	.	.	.	NP_80343	.	protein_co	ENSG0000	94033	17345
FTO	20.4575	22.646	26.6131	17.976	17.9144	20.0621	fat mass and obesity associated [Source:HGNC Symbol;Acc:HGNC	chr16:5363	NM_00108	XM_01152	.	.	NP_00107	XP_011521	protein_co	ENSG0000	79068	24678
FTSJ1	36.3142	34.4882	29.0129	38.8932	35.4874	27.9125	FtsJ RNA methyltransferase homolog 1 (E. coli) [Source:HGNC Syr	chrX:48334	NM_00128	XM_01154	.	.	NP_00126	XP_005272	protein_co	ENSG0000	24140	13254
FTSJ3	36.3068	36.3419	33.2938	40.0601	40.038	25.6433	FtsJ homolog 3 [Source:HGNC Symbol;Acc:HGNC:17136]	chr17:6189	NM_01764	.	.	.	NP_06011	.	protein_co	ENSG0000	117246	17136
FUBP1	65.3853	62.9415	51.6868	67.3118	68.9477	53.048	far upstream element binding protein 1 [Source:HGNC Symbol;Ac	chr1:78414	NM_00130	XM_01154	.	.	NP_00129	XP_011540	protein_co	ENSG0000	8880	4004
FUBP3	33.2486	38.0899	35.1612	38.5507	36.4211	33.6733	far upstream element binding protein 3 [Source:HGNC Symbol;Ac	chr9:13345	NM_00393	XM_01151	.	.	NP_00392	XP_005272	protein_co	ENSG0000	8939	4005
FUCA1	22.3216	21.2195	35.6101	19.1368	21.2297	26.4098	fucosidase, alpha-L- 1, tissue [Source:HGNC Symbol;Acc:HGNC:40	chr1:24171	NM_00014	XM_00524	.	.	NP_00013	XP_005245	protein_co	ENSG0000	2517	4006
FUCA2	42.6994	41.3642	34.2995	39.0656	37.2232	34.1045	fucosidase, alpha-L- 2, plasma [Source:HGNC Symbol;Acc:HGNC:4	chr6:14381	NM_03202	.	.	.	NP_11440	.	protein_co	ENSG0000	2519	4008
FUK	5.80091	5.78795	5.59357	4.2635	3.76833	6.66941	fucokinase [Source:HGNC Symbol;Acc:HGNC:29500]	chr16:7048	NM_14505	XM_01702	.	.	NP_65949	XP_006721	protein_co	ENSG0000	197258	29500
FUNDC1	17.7143	15.3337	14.7242	20.2033	23.7313	20.5961	FUN14 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28	chrX:44382	NM_17379	.	.	.	NP_77615	.	protein_co	ENSG0000	139341	28746
FUNDC2	5.93894	5.92732	4.48567	5.1466	4.05166	4.59644	FUN14 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:24	chrX:15429	NM_02393	.	.	.	NP_07642	.	protein_co	ENSG0000	65991	24925
FUOM	10.5934	9.70404	12.6026	10.0466	6.64142	6.35671	fucose mutarotase [Source:HGNC Symbol;Acc:HGNC:24733]	chr10:1351	NM_00109	XM_01153	.	.	NP_00109	XP_011537	protein_co	ENSG0000	282969	24733
FURIN	20.6518	21.6756	21.9638	20.4486	17.9035	21.5568	furin, paired basic amino acid cleaving enzyme [Source:HGNC Syn	chr15:9141	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	5045	8568
FUS	194.856	186.233	170.68	196.723	195.305	183.792	FUS RNA binding protein [Source:HGNC Symbol;Acc:HGNC:4010]	chr16:3119	NM_00117	XM_01154	.	.	NP_00116	XP_005255	protein_co	ENSG0000	2521	4010
FUT1	6.5292	6.74765	5.47304	5.79708	5.61003	9.41377	fucosyltransferase 1 (H blood group) [Source:HGNC Symbol;Acc:H	chr19:4925	NM_00014	XM_01702	.	.	NP_00013	XP_006723	protein_co	ENSG0000	2523	4012
FUT10	6.98504	7.33268	6.8794	8.59714	8.58434	7.51517	fucosyltransferase 10 [Source:HGNC Symbol;Acc:HGNC:19234]	chr8:33228	NM_03266	.	.	.	NP_11605	.	protein_co	ENSG0000	84750	19234
FUT11	9.35994	9.78989	10.4272	9.95998	10.0962	10.2209	fucosyltransferase 11 [Source:HGNC Symbol;Acc:HGNC:19233]	chr10:7553	NM_00128	.	.	.	NP_00127	XP_006717	protein_co	ENSG0000	170384	19233
FUT2	2.65947	3.7402	2.80462	3.31255	2.69993	2.79965	fucosyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:4013]	chr19:4919	NM_00051	.	.	.	NP_00050	.	protein_co	ENSG0000	2524	4013
FUT3	0.980499	0.733489	0.601686	0.197627	0.141585	1.17824	fucosyltransferase 3 (Lewis blood group) [Source:HGNC Symbol;A	chr19:5842	NM_00014	XM_01152	.	.	NP_00014	XP_011526	protein_co	ENSG0000	2525	4014
FUT4	4.52306	4.86369	4.43404	4.6248	4.53059	6.36352	fucosyltransferase 4 [Source:HGNC Symbol;Acc:HGNC:4015]	chr11:9427	NM_00203	.	.	.	NP_00202	.	protein_co	ENSG0000	2526	4015
FUT5	0.045922	0	0.039323	0	0.107354	0.10211	fucosyltransferase 5 [Source:HGNC Symbol;Acc:HGNC:4016]	chr19:5865	NM_00203	.	.	.	NP_00202	.	protein_co	ENSG0000	2527	4016
FUT6	0	0.032703	0	0	0	0	fucosyltransferase 6 [Source:HGNC Symbol;Acc:HGNC:4017]	chr19:5830	NM_00015	XM_01152	.	.	NP_00014	XP_005259	protein_co	ENSG0000	2528	4017
FUT7	0	0	0.029593	0	0	0	fucosyltransferase 7 [Source:HGNC Symbol;Acc:HGNC:4018]	chr9:13992	NM_00447	.	.	.	NP_00447	.	protein_co	ENSG0000	2529	4018
FUT8	8.58564	8.54979	9.25222	6.55721	8.59169	10.9011	fucosyltransferase 8 [Source:HGNC Symbol;Acc:HGNC:4019]	chr14:6587	NM_00448	XM_01153	.	.	NP_00447	XP_011534	protein_co	ENSG0000	2530	4019
FUT9	0	0	0	0	0	0	fucosyltransferase 9 [Source:HGNC Symbol;Acc:HGNC:4020]	chr6:96463	NM_00658	XM_01701	.	.	NP_00657	XP_011533	protein_co	ENSG0000	10690	4020
FUZ	0.454193	0.317828	0.699575	1.0031	0.687128	0.575587	fuzzy planar cell polarity protein [Source:HGNC Symbol;Acc:HGN	chr19:5027	NM_00117	XM_01702	.	.	NP_00116	XP_006723	protein_co	ENSG0000	80199	26219
FXN	23.9176	22.0501	21.8147	25.7966	19.895	16.4964	frataxin [Source:HGNC Symbol;Acc:HGNC:3951]	chr9:71650	NM_00014	.	.	.	NP_00013	.	protein_co	ENSG0000	2395	3951
FXR1	82.9436	80.2048	87.4912	84.8662	98.5514	97.0025	FMR1 autosomal homolog 1 [Source:HGNC Symbol;Acc:HGNC:40	chr3:18063	NM_00101	XM_01151	.	.	NP_00101	XP_005247	protein_co	ENSG0000	8087	4023
FXR2	29.4296	30.8054	26.0123	33.9024	30.3305	27.7973	FMR1 autosomal homolog 2 [Source:HGNC Symbol;Acc:HGNC:40	chr17:7486	NM_00486	.	.	.	NP_00485	.	protein_co	ENSG0000	9513	4024
FXYD1	1.84751	3.20674	2.04774	1.17249	1.03511	3.1334	FXYD domain containing ion transport regulator 1 [Source:HGNC	chr19:3562	NM_00127	.	.	.	NP_00126	XP_016882	protein_co	ENSG0000	5348	4025
FXYD2	5.2E-08	0.21965	0.18894	0	0	0	FXYD domain containing ion transport regulator 2 [Source:HGNC	chr11:1176	NM_00168	.	.	.	NP_00167	.	protein_co	ENSG0000	486	4026
FXYD3	10.4105	11.3214	14.5419	19.391	16.41	15.6309	FXYD domain containing ion transport regulator 3 [Source:HGNC	chr19:3560	NM_00113	XM_01702	NR_10694	.	NP_00112	XP_005259	protein_co	ENSG0000	102466205	4027
FXYD4	0.249245	0.125652	0.330405	2.56063	1.4269	2.14447	FXYD domain containing ion transport regulator 4 [Source:HGNC	chr10:4386	NM_17316	.	.	.	NP_00117	.	protein_co	ENSG0000	53828	4028
FXYD5	53.1112	54.5108	50.8606	58.0929	40.8187	42.0327	FXYD domain containing ion transport regulator 5 [Source:HGNC	chr19:3564	NM_00116	XM_00672	.	.	NP_00115	XP_006723	protein_co	ENSG0000	53827	4029
FXYD6	1.63092	1.62164	2.44656	2.39772	1.58632	3.60545	FXYD domain containing ion transport regulator 6 [Source:HGNC	chr11:1176	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	53826	4030
FXYD6-FXYD2	0.401988	3.11E-38	1.84E-45	1.33E-41	7.16E-53	1E-111	FXYD6-FXYD2 readthrough [Source:HGNC Symbol;Acc:HGNC:399	chr11:1176	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	100533181	39978
FXYD7	0.349914	0.156378	0.968735	0	0.221524	0.209473	FXYD domain containing ion transport regulator 7 [Source:HGNC	chr19:3563	NM_02200	.	.	.	NP_07128	.	protein_co	ENSG0000	53822	4034
FYB	0	0	0.024394	0	0	0	FYN binding protein [Source:HGNC Symbol;Acc:HGNC:4036]	chr5:39105	NM_00124	XM_01700	.	.	NP_00123	XP_006714	protein_co	ENSG0000	2533	4036
FYCO1	5.58697	6.26028	7.17078	5.90816	6.41721	6.04155	FYVE and coiled-coil domain containing 1 [Source:HGNC Symbol;	chr3:45959	NM_02451	XM_01153	.	.	NP_07878	XP_006713	protein_co	ENSG0000	79443	14673
FYN	6.01319	6.99458	5.70603	5.47488	5.21075	9.30299	FYN proto-oncogene, Src family tyrosine kinase [Source:HGNC Sy	chr6:11198	NM_00203	XM_01153	.	.	NP_00202	XP_005266	protein_co	ENSG0000	2534	4037
FYTTD1	25.8252	24.3474	27.7028	25.3422	29.4486	27.5887	forty-two-three domain containing 1 [Source:HGNC Symbol;Acc:H	chr3:19739	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	84248	25407
FZD1	4.16082	3.87294	3.65974	4.19152	3.40726	3.28616	frizzled class receptor 1 [Source:HGNC Symbol;Acc:HGNC:4038]	chr7:90893	NM_00350	.	.	.	NP_00349	.	protein_co	ENSG0000	8321	4038
FZD10	0	0	0	0	0	0	frizzled class receptor 10 [Source:HGNC Symbol;Acc:HGNC:4039]	chr12:1306	NM_00719	.	.	.	NP_00912	.	protein_co	ENSG0000	11211	4039
FZD2	10.3103	10.9412	12.3376	9.44932	8.84734	9.75695	frizzled class receptor 2 [Source:HGNC Symbol;Acc:HGNC:4040]	chr17:4263	NM_00146	.	.	.	NP_00145	.	protein_co	ENSG0000	2535	4040
FZD3	2.64914	2.73105	2.3684	2.94651	3.31565	3.35823	frizzled class receptor 3 [Source:HGNC Symbol;Acc:HGNC:4041]	chr8:28351	NM_01741	XM_01154	.	.	NP_05910	.	protein_co	ENSG0000	7976	4041
FZD4	3.44918	3.56374	3.17927	3.31701	4.09576	5.27891	frizzled class receptor 4 [Source:HGNC Symbol;Acc:HGNC:4042]	chr11:8651	NM_01219	.	.	.	NP_03632	.	protein_co	ENSG0000	8322	4042
FZD5	4.04137	4.46749	4.98653	3.81998	4.3277	4.54631	frizzled class receptor 5 [Source:HGNC Symbol;Acc:HGNC:4043]	chr2:20862	NM_00346	.	.	.	NP_00345	.	protein_co	ENSG0000	7855	4043
FZD6	25.8297	23.7233	22.8205	24.3846	28.329	32.2438	frizzled class receptor 6 [Source:HGNC Symbol;Acc:HGNC:4044]	chr8:10431	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	8323	4044
FZD7	4.89912	4.97449	5.81356	4.88869	5.43066	8.00086	frizzled class receptor 7 [Source:HGNC Symbol;Acc:HGNC:4045]	chr2:20289	NM_00350	.	.	.	NP_00349	.	protein_co	ENSG0000	8324	4045
FZD8	0	0.066483	0.145191	0.147292	0.081468	0.114713	frizzled class receptor 8 [Source:HGNC Symbol;Acc:HGNC:4046]	chr10:3592	NM_03186	.	NR_03983	.	NP_11407	.	protein_co	ENSG0000	10061650	4046
FZD9	0.485367	0.409337	0.770732	0.905017	0.514012	0.678902	frizzled class receptor 9 [Source:HGNC Symbol;Acc:HGNC:4047]	chr7:72848	NM_00350	.	.	.	NP_00349	.	protein_co	ENSG0000	8326	4047
FZR1	17.3875	17.812	17.1697	21.6522	18.8873	17.8467	fizzy/cell division cycle 20 related 1 [Source:HGNC Symbol;Acc:HG	chr19:3506	NM_00113	XM_00525	.	.	NP_00112	XP_005259	protein_co	ENSG0000	51343	24824
G0S2	0	0	0	0	0	0	G0/G1 switch 2 [Source:HGNC Symbol;Acc:HGNC:30229]	chr1:20984	NM_01571	.	.	.	NP_05652	.	protein_co	ENSG0000	50486	30229
G2E3	9.83995	9.28254	11.882	11.7717	18.4031	15.9497	G2/M-phase specific E3 ubiquitin protein ligase [Source:HGNC Sy	chr14:3102	NM_00130	XM_01153	.	.	NP_00129	XP_011535	protein_co	ENSG0000	55632	20338

G3BP1	115.155	120.983	108.366	145.996	128.165	120.324	G3BP stress granule assembly factor 1 [Source:HGNC Symbol;Acc	chr5:15112	NM_00575	XM_00671	.	.	NP_00574	XP_006714	protein_co	ENSG0000	10146	30292
G3BP2	68.9259	70.6207	78.4528	78.5935	91.2528	96.1322	G3BP stress granule assembly factor 2 [Source:HGNC Symbol;Acc	chr4:76567	NM_01229	XM_01700	.	.	NP_03642	XP_005263	protein_co	ENSG0000	9908	30291
G6PC	0	0	0	0	0	0	glucose-6-phosphatase catalytic subunit [Source:HGNC Symbol;A	chr17:4105	NM_00015	.	.	.	NP_00014	.	protein_co	ENSG0000	2538	4056
G6PC2	0	0	0	0	0	0	glucose-6-phosphatase catalytic subunit 2 [Source:HGNC Symbol;	chr2:16975	NM_00108	XM_01151	.	.	NP_00107	XP_011509	protein_co	ENSG0000	57818	28906
G6PC3	59.2413	57.4383	50.2469	45.5313	39.9789	31.3599	glucose-6-phosphatase catalytic subunit 3 [Source:HGNC Symbol;	chr17:4214	NM_13838	XM_01152	.	.	NP_61239	XP_011523	protein_co	ENSG0000	92579	24861
G6PD	41.8796	47.144	48.8878	42.7402	41.5798	45.8785	glucose-6-phosphate dehydrogenase [Source:HGNC Symbol;Acc:I	chrX:15375	NM_00040	XM_00527	.	.	NP_00039	.	protein_co	ENSG0000	2539	4057
GAA	39.7145	43.057	51.8914	41.1629	38.781	35.5947	glucosidase alpha, acid [Source:HGNC Symbol;Acc:HGNC:4065]	chr17:7807	NM_00015	XM_00525	NR_13484	.	NP_00014	XP_005257	protein_co	ENSG0000	2548	4065
GAB1	0.952724	1.06363	1.33329	0.693593	0.743327	0.948026	GRB2 associated binding protein 1 [Source:HGNC Symbol;Acc:HG	chr4:14425	NM_00203	XM_00526	.	.	NP_00203	XP_016863	protein_co	ENSG0000	2549	4066
GAB2	0.926692	1.06593	1.08709	0.479828	0.533043	0.549599	GRB2 associated binding protein 2 [Source:HGNC Symbol;Acc:HG	chr11:7792	NM_01229	XM_00671	.	.	NP_03642	XP_006718	protein_co	ENSG0000	9846	14458
GAB3	0.214826	0.211905	0.148399	0.075226	0.117984	0.115849	GRB2 associated binding protein 3 [Source:HGNC Symbol;Acc:HG	chrX:15390	NM_00108	XM_01153	NR_10411	.	NP_00107	XP_005274	protein_co	ENSG0000	139716	17515
GAB4	0	0	0	0	0	0	GRB2 associated binding protein family member 4 [Source:HGNC	chr22:1744	NM_00103	.	.	.	NP_00103	XP_016884	protein_co	ENSG0000	128954	18325
GABARAP	350.291	323.613	308.302	354.165	283.467	332.654	GABA type A receptor-associated protein [Source:HGNC Symbol;A	chr17:7143	NM_00727	.	.	.	NP_00920	.	protein_co	ENSG0000	11337	4067
GABARAPL1	32.9706	29.1948	32.6316	22.3319	22.52	36.4711	GABA type A receptor associated protein like 1 [Source:HGNC Syr	chr12:1036	NM_03141	XM_00525	.	.	NP_11360	XP_005253	protein_co	ENSG0000	23710	4068
GABARAPL2	85.3865	84.57	89.6113	83.7578	82.1946	81.2707	GABA type A receptor associated protein like 2 [Source:HGNC Syr	chr16:7560	NM_00728	.	.	.	NP_00921	.	protein_co	ENSG0000	11345	13291
GABBR1	6.2596	5.78636	7.31108	3.49115	4.04961	5.39808	gamma-aminobutyric acid type B receptor subunit 1 [Source:HGN	chr6:29523	NM_00147	XM_01151	.	.	NP_00130	XP_005249	protein_co	ENSG0000	2550	4070
GABBR2	0.01245	0.012669	0.086205	0.027324	0.014233	0.026286	gamma-aminobutyric acid type B receptor subunit 2 [Source:HGN	chr9:10105	NM_00545	.	.	.	NP_00544	.	protein_co	ENSG0000	9568	4507
GABPA	8.31264	8.59284	8.18834	7.07247	7.53549	9.02441	GA binding protein transcription factor alpha subunit [Source:HG	chr21:2701	NM_00119	XM_01702	.	.	NP_00118	XP_005260	protein_co	ENSG0000	2551	4071
GABPB1	11.0164	10.2191	10.9832	11.2165	10.1684	12.9981	GA binding protein transcription factor beta subunit 1 [Source:HG	chr15:5056	NM_00204	XM_01152	NR_02689	.	NP_00130	XP_005254	protein_co	ENSG0000	55056	4074
GABPB2	2.85193	2.78491	2.40899	2.21181	2.50521	3.47919	GA binding protein transcription factor beta subunit 2 [Source:HG	chr1:15104	NM_14461	XM_01150	.	.	NP_00131	XP_005244	protein_co	ENSG0000	126626	28441
GABRA1	0	0	0	0	0	0	gamma-aminobutyric acid type A receptor alpha1 subunit [Source	chr5:16127	NM_00080	.	.	.	NP_00079	.	protein_co	ENSG0000	2554	4075
GABRA2	0	0	0	0	0	0	gamma-aminobutyric acid type A receptor alpha2 subunit [Source	chr4:46250	NM_00080	XM_01151	.	.	NP_00079	XP_011511	protein_co	ENSG0000	2555	4076
GABRA3	0	0.02031	0.016851	0	0	0.019861	gamma-aminobutyric acid type A receptor alpha3 subunit [Source	chrX:15133	NM_00080	XM_01153	.	.	NP_00079	XP_006724	protein_co	ENSG0000	2556	4077
GABRA4	0	0	0	0	0	0	gamma-aminobutyric acid type A receptor alpha4 subunit [Source	chr4:46920	NM_00080	XM_01151	.	.	NP_00080	.	protein_co	ENSG0000	2557	4078
GABRA5	0	0	0	0	0	0	gamma-aminobutyric acid type A receptor alpha5 subunit [Source	chr15:2678	NM_00081	XM_00672	.	.	NP_00080	XP_005268	protein_co	ENSG0000	2558	4079
GABRA6	0	0	0	0	0	0	gamma-aminobutyric acid type A receptor alpha6 subunit [Source	chr5:16111	NM_00081	.	.	.	NP_00080	.	protein_co	ENSG0000	2559	4080
GABRB1	0	0	0	0	0	0	gamma-aminobutyric acid type A receptor beta1 subunit [Source	chr4:47033	NM_00081	.	.	.	NP_00080	.	protein_co	ENSG0000	2560	4081
GABRB2	0.011449	0	0	0	0	0	gamma-aminobutyric acid type A receptor beta2 subunit [Source	chr5:16071	NM_00081	.	.	.	NP_00080	.	protein_co	ENSG0000	2561	4082
GABRB3	0	0	0	0	0	0	gamma-aminobutyric acid type A receptor beta3 subunit [Source	chr15:2678	NM_00081	XM_01152	NR_10380	.	NP_00080	XP_011519	protein_co	ENSG0000	2562	4083
GABRD	8.44209	8.69802	7.3962	8.32604	7.46363	6.45941	gamma-aminobutyric acid type A receptor delta subunit [Source:I	chr1:19507	NM_00081	.	.	.	NP_00080	XP_011539	protein_co	ENSG0000	2563	4084
GABRE	0.602126	0.369449	0.23574	0.577568	0.676224	0.789734	gamma-aminobutyric acid type A receptor epsilon subunit [Sourc	chrX:15112	NM_00496	XM_01153	NR_02963	.	NP_00495	.	protein_co	ENSG0000	574412	4085
GABRG1	0	0	0	0	0	0	gamma-aminobutyric acid type A receptor gamma1 subunit [Sour	chr4:46037	NM_17353	XM_01700	.	.	NP_77580	XP_016863	protein_co	ENSG0000	2565	4086
GABRG2	1.64485	1.21048	1.67741	1.37229	1.4488	1.94645	gamma-aminobutyric acid type A receptor gamma2 subunit [Sour	chr5:16149	NM_00081	.	.	.	NP_00080	.	protein_co	ENSG0000	2566	4087
GABRG3	0	0	0	0	0	0	gamma-aminobutyric acid type A receptor gamma3 subunit [Sour	chr15:2721	NM_00127	XM_01152	.	.	NP_00125	XP_011519	protein_co	ENSG0000	2567	4088
GABRP	0	0	0	0	0	0.024237	gamma-aminobutyric acid type A receptor pi subunit [Source:HGI	chr5:17020	NM_00129	XM_01153	.	.	NP_00127	XP_011532	protein_co	ENSG0000	2568	4089
GABRQ	3.44795	3.94557	3.28148	4.50891	5.19987	4.29012	gamma-aminobutyric acid type A receptor theta subunit [Source:	chrX:15180	NM_01855	.	.	.	NP_06102	.	protein_co	ENSG0000	55879	14454
GABRR1	0	0	0	0	0	0	gamma-aminobutyric acid type A receptor rho1 subunit [Source:I	chr6:89887	NM_00125	XM_01153	.	.	NP_00124	XP_011534	protein_co	ENSG0000	2569	4090
GABRR2	0.126185	0.042913	0.145246	0.046013	0.09588	0.088677	gamma-aminobutyric acid type A receptor rho2 subunit [Source:I	chr6:89967	NM_00204	.	.	.	NP_00203	.	protein_co	ENSG0000	2570	4091
GABRR3	0	0	0	0	0	0	gamma-aminobutyric acid type A receptor rho3 subunit (gene/ps	chr3:97705	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	200959	17969
GAD1	5.65101	4.92098	4.7924	5.54496	5.41076	4.19731	glutamate decarboxylase 1 [Source:HGNC Symbol;Acc:HGNC:409	chr2:17167	NM_00081	XM_01700	.	.	NP_00080	XP_005246	protein_co	ENSG0000	2571	4092
GAD2	0	0	0.026184	0	0	0	glutamate decarboxylase 2 [Source:HGNC Symbol;Acc:HGNC:409	chr10:2650	NM_00081	.	.	.	NP_00080	.	protein_co	ENSG0000	2572	4093
GADD45A	57.5581	59.1254	47.2805	57.106	56.6152	98.1292	growth arrest and DNA damage inducible alpha [Source:HGNC Sy	chr1:68150	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	1647	4095
GADD45B	16.0617	15.7716	11.3063	12.9588	12.1584	11.9867	growth arrest and DNA damage inducible beta [Source:HGNC Syn	chr19:2476	NM_01567	.	.	.	NP_05649	XP_016882	protein_co	ENSG0000	4616	4096
GADD45G	0.760475	0.412759	0.388222	0.688224	0.814699	0.741164	growth arrest and DNA damage inducible gamma [Source:HGNC S	chr9:92219	NM_00670	.	.	.	NP_00669	.	protein_co	ENSG0000	10912	4097
GADD45GIP1	42.2437	40.711	34.8295	57.5869	37.812	30.4419	GADD45G interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:	chr19:1305	NM_05285	.	.	.	NP_44308	.	protein_co	ENSG0000	90480	29996
GADL1	0	0	0	0.023868	0	0	glutamate decarboxylase like 1 [Source:HGNC Symbol;Acc:HGNC:	chr3:30767	NM_20735	.	.	.	NP_99724	XP_016861	protein_co	ENSG0000	339896	27949
GAGE1	0	0	0	0	0	0	G antigen 1 [Source:HGNC Symbol;Acc:HGNC:4098]	chrX:49354	NM_00104	.	.	.	NP_00103	XP_011542	protein_co	ENSG0000	10000858	4098
GAGE10	0	0	0	0	0	0	G antigen 10 [Source:HGNC Symbol;Acc:HGNC:30968]	chrX:49160	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	10272447	30968
GAGE12B	0	0	0	0	0	0	G antigen 12B [Source:HGNC Symbol;Acc:HGNC:26779]	chrX:49294	.	.	.	.	.	.	protein_co	ENSG0000	.	26779
GAGE12C	0	0	0	0	0	0	G antigen 12C [Source:HGNC Symbol;Acc:HGNC:28402]	chrX:49296	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	729428	28402
GAGE12D	0	0	0	0	0	0	G antigen 12D [Source:HGNC Symbol;Acc:HGNC:31904]	chrX:49306	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	10013239	31904
GAGE12E	0	0	0	0	0	0	G antigen 12E [Source:HGNC Symbol;Acc:HGNC:31905]	chrX:49315	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	729431	31905
GAGE12F	0	0	0	0	0	0	G antigen 12F [Source:HGNC Symbol;Acc:HGNC:31906]	chrX:49325	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	729408	31906
GAGE12G	0	0	0	0	0	0	G antigen 12G [Source:HGNC Symbol;Acc:HGNC:31907]	chrX:49335	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	645073	31907
GAGE12H	0	0	0	0	0	0	G antigen 12H [Source:HGNC Symbol;Acc:HGNC:31908]	chrX:49344	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	729442	31908
GAGE12I	0	0	0	0	0	0	G antigen 12I [Source:HGNC Symbol;Acc:4105]	chrX:49216	NM_02112	.	.	.	NP_06694	.	protein_co	ENSG0000	2576	4105
GAGE12J	0	0	0	0	0	0	G antigen 12J [Source:HGNC Symbol;Acc:HGNC:17778]	chrX:49178	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	729396	17778
GAGE13	0	0	0	0	0	0	G antigen 13 [Source:HGNC Symbol;Acc:HGNC:29081]	chrX:49188	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	645037	29081
GAGE2A	0	0	0	0	0	0	G antigen 2A [Source:HGNC Symbol;Acc:HGNC:4099]	chrX:49354	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	10010162	4099
GAGE2B	0	0	0	0	0	0	G antigen 2B [Source:HGNC Symbol;Acc:31957]	chrX:49235	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	2574	31957

GAGE2C	0	0	0	0	0	0	G antigen 2C [Source:HGNC Symbol;Acc:31958]	chrX:49226	NM_00147	.	.	.	NP_00146	.	protein_co	ENSG0000	2574	31958
GAGE2D	0	0	0	0	0	0	G antigen 2D [Source:HGNC Symbol;Acc:31959]	chrX:49207	NM_01219	.	.	.	NP_03632	.	protein_co	ENSG0000	729408	31959
GAGE2E	0	0	0	0	0	0	G antigen 2E [Source:HGNC Symbol;Acc:HGNC:31960]	chrX:49197	.	.	.	.	.	.	protein_co	ENSG0000	.	31960
GAK	24.8632	24.8602	27.5368	27.0146	26.2464	22.9191	cyclin G associated kinase [Source:HGNC Symbol;Acc:HGNC:4113	chr4:84306	NM_00128	XM_01151	.	.	NP_00130	XP_005272	protein_co	ENSG0000	2580	4113
GAL	102.256	102.966	72.5303	124.058	106.33	56.1927	galanin and GMAP prepropeptide [Source:HGNC Symbol;Acc:HGN	chr11:6845	NM_01597	.	.	.	NP_05705	.	protein_co	ENSG0000	51083	4114
GAL3ST1	0.479571	0.788977	0.821908	0.942743	0.926281	1.02134	galactose-3-O-sulfotransferase 1 [Source:HGNC Symbol;Acc:HGN	chr22:3095	NM_00131	XM_01702	.	.	NP_00130	XP_005261	protein_co	ENSG0000	9514	24240
GAL3ST2	0.087962	0.084152	0.074407	0	0	0	galactose-3-O-sulfotransferase 2 [Source:HGNC Symbol;Acc:HGN	chr2:24271	NM_02213	.	.	.	NP_07141	.	protein_co	ENSG0000	64090	24869
GAL3ST3	0	0	0	0	0	0	galactose-3-O-sulfotransferase 3 [Source:HGNC Symbol;Acc:HGN	chr11:6580	NM_03303	.	.	.	NP_14902	.	protein_co	ENSG0000	89792	24144
GAL3ST4	1.05936	1.34647	2.14198	2.51251	1.74697	2.79327	galactose-3-O-sulfotransferase 4 [Source:HGNC Symbol;Acc:HGN	chr7:99756	NM_02463	.	.	.	NP_07891	.	protein_co	ENSG0000	79690	24145
GALC	0	0	0	0	0	0	galactosylceramidase [Source:HGNC Symbol;Acc:HGNC:4115]	chr14:8839	NM_00015	XM_01153	.	.	NP_00014	XP_011534	protein_co	ENSG0000	2581	4115
GALE	46.594	45.2988	61.0903	42.4569	35.6588	44.7942	UDP-galactose-4-epimerase [Source:HGNC Symbol;Acc:HGNC:41	chr1:24122	NM_0004	.	.	.	NP_00039	.	protein_co	ENSG0000	2582	4116
GALK1	28.4065	27.7798	30.3806	32.2448	25.7619	26.6115	galactokinase 1 [Source:HGNC Symbol;Acc:HGNC:4118]	chr17:7371	NM_00015	.	.	.	NP_00014	.	protein_co	ENSG0000	2584	4118
GALK2	7.38075	7.65042	6.97585	8.64878	6.96381	8.23214	galactokinase 2 [Source:HGNC Symbol;Acc:HGNC:4119]	chr15:4944	NM_00100	XM_00672	.	.	NP_00100	XP_005254	protein_co	ENSG0000	2585	4119
GALM	7.67213	5.81147	7.49422	6.87191	6.63995	5.64473	galactose mutarotase [Source:HGNC Symbol;Acc:HGNC:24063]	chr2:38893	NM_1388	.	.	.	NP_62015	.	protein_co	ENSG0000	130589	24063
GALNS	11.0393	10.9379	11.8201	10.258	9.42887	8.84159	galactosamine (N-acetyl)-6-sulfatase [Source:HGNC Symbol;Acc:H	chr16:8888	NM_00051	XM_00525	.	.	NP_00050	XP_005256	protein_co	ENSG0000	2588	4122
GALNT1	24.2898	22.2913	21.8421	21.8199	25.2623	27.8813	polypeptide N-acetylgalactosaminyltransferase 1 [Source:HGNC S	chr18:3323	NM_02047	XM_01702	.	.	NP_06520	XP_005258	protein_co	ENSG0000	2589	4123
GALNT10	10.6214	10.7466	12.4962	13.602	13.612	18.2934	polypeptide N-acetylgalactosaminyltransferase 10 [Source:HGNC	chr5:15357	NM_19832	.	.	.	NP_93808	.	protein_co	ENSG0000	55568	19873
GALNT11	13.5225	13.1369	16.4615	13.4503	12.7234	13.8157	polypeptide N-acetylgalactosaminyltransferase 11 [Source:HGNC	chr7:15172	NM_00130	XM_00671	.	.	NP_00129	XP_006716	protein_co	ENSG0000	63917	19875
GALNT12	13.7447	13.7157	18.8194	15.2287	13.0167	15.1147	polypeptide N-acetylgalactosaminyltransferase 12 [Source:HGNC	chr9:10156	NM_02464	XM_01151	.	.	NP_07891	XP_006717	protein_co	ENSG0000	79695	19877
GALNT13	0.086595	0.098088	0.170542	0.017401	0.033455	0.055536	polypeptide N-acetylgalactosaminyltransferase 13 [Source:HGNC	chr2:15472	NM_00130	XM_01700	.	.	NP_00128	XP_011508	protein_co	ENSG0000	114805	23242
GALNT14	5.7331	5.51032	5.37363	8.44786	8.73808	6.7785	polypeptide N-acetylgalactosaminyltransferase 14 [Source:HGNC	chr2:31133	NM_00125	XM_01153	.	.	NP_00124	XP_011531	protein_co	ENSG0000	79623	22946
GALNT15	0	0	0	0	0	0	polypeptide N-acetylgalactosaminyltransferase 15 [Source:HGNC	chr3:16216	NM_05411	XM_00526	.	.	NP_00130	XP_005264	protein_co	ENSG0000	117248	21531
GALNT16	0	0.043146	0.012068	0	0.073665	0	polypeptide N-acetylgalactosaminyltransferase 16 [Source:HGNC	chr14:6972	NM_00116	XM_01153	.	.	NP_00116	XP_011535	protein_co	ENSG0000	57452	23233
GALNT18	11.589	14.5814	15.2257	16.9021	15.4883	12.9815	polypeptide N-acetylgalactosaminyltransferase 18 [Source:HGNC	chr11:1129	NM_19851	XM_01152	.	.	NP_94091	XP_006718	protein_co	ENSG0000	374378	30488
GALNT2	20.2565	20.9007	24.8961	20.9287	20.946	21.8084	polypeptide N-acetylgalactosaminyltransferase 2 [Source:HGNC S	chr1:23020	NM_00129	XM_01154	.	.	NP_00127	.	protein_co	ENSG0000	2590	4124
GALNT3	7.26539	8.21307	5.09384	10.8036	9.0018	12.6023	polypeptide N-acetylgalactosaminyltransferase 3 [Source:HGNC S	chr2:16660	NM_00448	XM_01151	.	.	NP_00447	XP_005246	protein_co	ENSG0000	2591	4125
GALNT4	0.92404	1.17288	1.36143	0.504419	0.742535	1.25469	polypeptide N-acetylgalactosaminyltransferase 4 [Source:HGNC S	chr12:8981	NM_00377	.	.	.	NP_00376	.	protein_co	ENSG0000	8693	4126
GALNT5	6.1814	6.94519	5.35773	3.77329	3.93458	2.53829	polypeptide N-acetylgalactosaminyltransferase 5 [Source:HGNC S	chr2:15811	NM_01456	.	.	.	NP_05538	XP_016858	protein_co	ENSG0000	11227	4127
GALNT6	5.26946	4.93051	5.64499	5.29895	4.9098	4.12191	polypeptide N-acetylgalactosaminyltransferase 6 [Source:HGNC S	chr12:5174	NM_00721	XM_01153	.	.	NP_00914	XP_005268	protein_co	ENSG0000	11226	4128
GALNT7	12.2723	14.4604	12.0197	10.931	13.2254	10.8828	polypeptide N-acetylgalactosaminyltransferase 7 [Source:HGNC S	chr4:17408	NM_01742	XM_01153	.	.	NP_05911	XP_005263	protein_co	ENSG0000	51809	4129
GALNT8	0	0	0	0	0	0.014604	polypeptide N-acetylgalactosaminyltransferase 8 [Source:HGNC S	chr12:4918	NM_00223	XM_00525	.	.	NP_00222	XP_005253	protein_co	ENSG0000	26290	4130
GALNT9	0.105127	0.269617	0.313766	0.065694	0.123097	0.185817	polypeptide N-acetylgalactosaminyltransferase 9 [Source:HGNC S	chr12:1326	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	50614	4131
GALNTL5	0	0	0	0	0	0	polypeptide N-acetylgalactosaminyltransferase-like 5 [Source:HG	chr7:15165	NM_14529	XM_01151	.	.	NP_66033	XP_006715	protein_co	ENSG0000	168391	21725
GALNTL6	0	0	0	0	0	0	polypeptide N-acetylgalactosaminyltransferase-like 6 [Source:HG	chr4:17273	NM_00103	XM_01153	.	.	NP_00103	XP_011530	protein_co	ENSG0000	442117	33844
GALP	0	0	0	0	0	0	galanin like peptide [Source:HGNC Symbol;Acc:HGNC:24840]	chr19:5668	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	85569	24840
GALR1	0	0	0	0	0	0	galanin receptor 1 [Source:HGNC Symbol;Acc:HGNC:4132]	chr18:7496	NM_00148	.	.	.	NP_00147	.	protein_co	ENSG0000	2587	4132
GALR2	0	0.112123	0.196187	0.496907	0.426476	0.273355	galanin receptor 2 [Source:HGNC Symbol;Acc:HGNC:4133]	chr17:7407	NM_00385	.	.	.	NP_00384	.	protein_co	ENSG0000	8811	4133
GALR3	0.498432	0.156807	0	0.173585	0.199235	0.191271	galanin receptor 3 [Source:HGNC Symbol;Acc:HGNC:4134]	chr22:3821	NM_00361	XM_01153	.	.	NP_00360	XP_011528	protein_co	ENSG0000	8484	4134
GALT	9.02284	10.3211	11.6883	8.17625	6.16992	6.56043	galactose-1-phosphate uridylyltransferase [Source:HGNC Symbol	chr9:34646	NM_00015	.	.	.	NP_00014	.	protein_co	ENSG0000	2592	4135
GAMT	77.4414	68.5484	78.7698	80.9598	63.1597	50.0446	guanidinoacetate N-methyltransferase [Source:HGNC Symbol;Ac	chr19:1397	NM_00015	.	.	.	NP_00014	.	protein_co	ENSG0000	2593	4136
GAN	4.38896	4.86144	5.71144	4.2437	5.12914	5.75151	gigaxonin [Source:HGNC Symbol;Acc:HGNC:4137]	chr16:8134	NM_02204	.	NR_03987	.	NP_07132	.	protein_co	ENSG0000	10061615	4137
GANAB	203.208	212.442	200.299	196.98	195.476	220.89	glucosidase II alpha subunit [Source:HGNC Symbol;Acc:HGNC:41	chr11:6239	NM_00127	XM_01701	.	.	NP_00126	XP_016872	protein_co	ENSG0000	23193	4138
GANC	3.61147	4.19794	3.67054	3.93979	3.76316	4.05552	glucosidase alpha, neutral C [Source:HGNC Symbol;Acc:HGNC:41	chr15:4250	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	2595	4139
GAP43	0	0	0	0	0	0	growth associated protein 43 [Source:HGNC Symbol;Acc:HGNC:4	chr3:11534	NM_00113	.	.	.	NP_00112	XP_016861	protein_co	ENSG0000	2596	4140
GAPDH	4033.42	3871.55	3552.84	4214.98	3721.36	3621.22	glyceraldehyde-3-phosphate dehydrogenase [Source:HGNC Symb	chr12:6643	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	2597	4141
GAPDHS	0	0	0	0	0	0	glyceraldehyde-3-phosphate dehydrogenase, spermatogenic [Sou	chr19:3602	NM_01436	.	.	.	NP_05517	.	protein_co	ENSG0000	26330	24864
GAPT	0	0	0	0	0	0	GRB2-binding adaptor protein, transmembrane [Source:HGNC Sy	chr5:57787	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	202309	26588
GAPVD1	12.8833	13.2906	13.4745	12.0501	13.9387	14.6919	GTPase activating protein and VPS9 domains 1 [Source:HGNC Syn	chr9:12802	NM_00128	XM_01151	.	.	NP_00126	XP_005251	protein_co	ENSG0000	26130	23375
GAR1	23.9962	23.9073	23.3903	29.5111	37.7937	32.6466	GAR1 ribonucleoprotein [Source:HGNC Symbol;Acc:HGNC:14264]	chr4:11073	NM_01898	.	.	.	NP_06185	.	protein_co	ENSG0000	54433	14264
GAREM1	2.38212	2.58291	2.76209	2.77588	2.79103	2.73571	GRB2 associated regulator of MAPK1 subtype 1 [Source:HGNC Sy	chr18:2984	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	64762	26136
GAREM2	8.35007	8.00198	8.25152	7.85316	6.84393	6.45717	GRB2 associated regulator of MAPK1 subtype 2 [Source:HGNC Sy	chr2:26395	NM_00116	XM_01153	.	.	NP_00116	XP_006712	protein_co	ENSG0000	150946	27172
GARNL3	1.1986	1.09084	1.56731	1.07522	1.16452	1.0633	GTPase activating Rap/RanGAP domain like 3 [Source:HGNC Sym	chr9:13002	NM_00128	XM_01151	.	.	NP_00127	XP_005252	protein_co	ENSG0000	84253	25425
GARS	135.074	152.08	93.5503	98.2428	94.9574	289.224	glycyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:4162]	chr7:30634	NM_00131	XM_00671	.	.	NP_00130	XP_006715	protein_co	ENSG0000	2617	4162
GART	92.7055	95.2588	87.2025	97.6086	92.5596	111.196	phosphoribosylglycinamide formyltransferase, phosphoribosylgly	chr21:3487	NM_00081	XM_01152	.	.	NP_00081	XP_005260	protein_co	ENSG0000	2618	4163
GAS1	0.093592	0.046585	0.079442	0.051152	0.107575	0.148637	growth arrest specific 1 [Source:HGNC Symbol;Acc:HGNC:4165]	chr9:89559	NM_00204	.	.	.	NP_00203	.	protein_co	ENSG0000	2619	4165
GAS2	0.036423	0	0	0	0	0	growth arrest specific 2 [Source:HGNC Symbol;Acc:HGNC:4167]	chr11:2268	NM_00114	XM_01151	.	.	NP_00113	XP_011518	protein_co	ENSG0000	2620	4167
GAS2L1	17.2901	17.49	14.9738	17.3922	15.6472	12.1772	growth arrest specific 2 like 1 [Source:HGNC Symbol;Acc:HGNC:1	chr22:2970	NM_00127	XM_01702	.	.	NP_00126	XP_011528	protein_co	ENSG0000	10634	16955
GAS2L2	0	0	0.02081	0	0	0	growth arrest specific 2 like 2 [Source:HGNC Symbol;Acc:HGNC:2	chr17:3407	NM_13928	XM_00672	.	.	NP_64481	.	protein_co	ENSG0000	246176	24846
GAS2L3	4.51521	6.07686	5.79559	7.95768	9.66936	10.3635	growth arrest specific 2 like 3 [Source:HGNC Symbol;Acc:HGNC:2	chr12:1009	NM_00130	XM_01153	.	.	NP_00129	XP_005268	protein_co	ENSG0000	283431	27475

GAS6	44.9394	50.6648	46.0537	44.9683	35.3673	28.7764	growth arrest specific 6 [Source:HGNC Symbol;Acc:HGNC:4168]	chr13:1145	NM_00082	.	.	.	NP_00081	.	protein_co	ENSG0000	2621	4168
GAS7	0.84337	1.01292	1.55181	1.12668	1.51061	2.0358	growth arrest specific 7 [Source:HGNC Symbol;Acc:HGNC:4169]	chr17:9813	NM_00113	XM_01702	.	.	NP_00112	XP_00525	protein_co	ENSG0000	8522	4169
GAS8	11.9159	11.4131	9.60074	12.3986	9.61653	8.22818	growth arrest specific 8 [Source:HGNC Symbol;Acc:HGNC:4166]	chr16:9000	NM_00128	XM_01702	.	.	NP_00127	XP_00672	protein_co	ENSG0000	2622	4166
GAST	0.205601	0	0	2.4008	1.89876	0.675578	gastrin [Source:HGNC Symbol;Acc:HGNC:4164]	chr17:3986	NM_00080	.	.	.	NP_00079	.	protein_co	ENSG0000	2520	4164
GATA1	0	0	0	0.117787	0.085262	0	GATA binding protein 1 [Source:HGNC Symbol;Acc:HGNC:4170]	chrX:4864	NM_00204	XM_01154	.	.	NP_00204	XP_01154	protein_co	ENSG0000	2623	4170
GATA2	4.70243	4.57672	6.5667	7.99856	6.53572	4.56914	GATA binding protein 2 [Source:HGNC Symbol;Acc:HGNC:4171]	chr3:12819	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	2624	4171
GATA3	1.07998	0.793538	0.979824	1.08992	0.688471	0.738609	GATA binding protein 3 [Source:HGNC Symbol;Acc:HGNC:4172]	chr10:8096	NM_00100	XM_00525	.	.	NP_00100	XP_00525	protein_co	ENSG0000	2625	4172
GATA4	0	0	0	0	0	0	GATA binding protein 4 [Source:HGNC Symbol;Acc:HGNC:4173]	chr8:11534	NM_00130	XM_01154	.	.	NP_00129	XP_00527	protein_co	ENSG0000	2626	4173
GATA5	0	0	0	0	0	0	GATA binding protein 5 [Source:HGNC Symbol;Acc:HGNC:15802]	chr20:6103	NM_08047	XM_00672	.	.	NP_53672	XP_00672	protein_co	ENSG0000	140628	15802
GATA6	4.48811	4.16485	3.97759	3.44201	4.02394	3.87499	GATA binding protein 6 [Source:HGNC Symbol;Acc:HGNC:4174]	chr18:1974	NM_00525	.	.	.	NP_00524	.	protein_co	ENSG0000	2627	4174
GATAD1	12.0551	11.5721	12.1809	10.0978	10.7951	12.6745	GATA zinc finger domain containing 1 [Source:HGNC Symbol;Acc:	chr7:92076	NM_02116	.	.	.	NP_06699	.	protein_co	ENSG0000	57798	29941
GATAD2A	24.9721	25.3238	25.5662	24.618	25.241	25.2126	GATA zinc finger domain containing 2A [Source:HGNC Symbol;Ac	chr19:1949	NM_00130	XM_01152	.	.	NP_00128	XP_00526	protein_co	ENSG0000	54815	29989
GATAD2B	12.5965	12.5351	12.051	10.4548	11.8944	12.7888	GATA zinc finger domain containing 2B [Source:HGNC Symbol;Ac	chr1:15377	NM_02069	XM_01150	.	.	NP_06575	XP_00524	protein_co	ENSG0000	57459	30778
GATB	13.9724	12.9006	13.2103	18.9766	14.0235	11.4406	glutamyl-tRNA amidotransferase subunit B [Source:HGNC Symbo	chr4:15259	NM_00456	XM_01153	.	.	NP_00455	XP_00526	protein_co	ENSG0000	5188	8849
GATC	16.3874	15.2932	16.3762	16.7596	14.8022	14.4468	glutamyl-tRNA amidotransferase subunit C [Source:HGNC Symbo	chr12:1208	NM_17681	.	.	.	NP_78978	.	protein_co	ENSG0000	283459	25068
GATM	0.981096	1.28414	0.995951	0.750165	1.02104	1.63131	glycine amidinotransferase [Source:HGNC Symbol;Acc:HGNC:417	chr15:4565	NM_00148	.	.	.	NP_00147	.	protein_co	ENSG0000	2628	4175
GATS	1.8821	1.97637	2.7425	1.46653	1.45555	1.63696	GATS, stromal antigen 3 opposite strand [Source:HGNC Symbol;A	chr7:99775	NM_17883	.	.	.	NP_84915	XP_016867	protein_co	ENSG0000	352954	29954
GATSL1	0	0	0	0	0	0	GATS protein-like 1 [Source:HGNC Symbol;Acc:HGNC:37072]	chr7:74379	.	.	.	.	.	.	protein_co	ENSG0000	.	37072
GATSL2	0	0.202825	0.05828	0	0.159364	0.150573	GATS protein like 2 [Source:HGNC Symbol;Acc:HGNC:37073]	chr7:74807	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	729438	37073
GATSL3	2.43948	2.28003	3.7884	1.11063	0.922419	1.28353	GATS protein like 3 [Source:HGNC Symbol;Acc:HGNC:34423]	chr22:3068	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	652968	34423
GBA	18.4752	20.9002	13.6029	14.9847	15.2029	12.4435	glucosylceramidase beta [Source:HGNC Symbol;Acc:HGNC:4177]	chr1:15520	NM_00015	XM_01150	.	.	NP_00014	XP_006711	protein_co	ENSG0000	2629	4177
GBA2	18.616	19.443	22.333	17.5819	16.8528	19.3975	glucosylceramidase beta 2 [Source:HGNC Symbol;Acc:HGNC:1898	chr9:35696	NM_02094	XM_01701	.	.	NP_06599	XP_005251	protein_co	ENSG0000	57704	18986
GBAS	32.4467	32.3633	40.3494	30.5794	33.8261	43.4126	glioblastoma amplified sequence [Source:HGNC Symbol;Acc:HGN	chr7:56032	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	2631	4179
GBE1	14.8484	14.4927	12.7325	16.532	19.6263	14.878	glucan (1,4-alpha-), branching enzyme 1 [Source:HGNC Symbol;A	chr3:81538	NM_00015	.	.	.	NP_00014	.	protein_co	ENSG0000	2632	4180
GBF1	24.3691	25.2672	23.363	24.0036	21.4417	19.7409	golgi brefeldin A resistant guanine nucleotide exchange factor 1 [	chr10:1040	NM_00119	XM_01154	.	.	NP_00118	XP_00527	protein_co	ENSG0000	8729	4181
GBGT1	0	0	0	0	0	0	globoside alpha-1,3-N-acetylgalactosaminyltransferase 1 [Source	chr9:13602	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	26301	20460
GBP1	0.038653	0.081312	0	0	0.043298	0	guanylate binding protein 1 [Source:HGNC Symbol;Acc:HGNC:418	chr1:89518	NM_00205	.	.	.	NP_00204	.	protein_co	ENSG0000	2633	4182
GBP2	0.406254	0.342647	0.379402	0.056399	0.057494	0.026136	guanylate binding protein 2 [Source:HGNC Symbol;Acc:HGNC:418	chr1:89573	NM_00412	.	.	.	NP_00411	.	protein_co	ENSG0000	2634	4183
GBP3	0.639858	0.402478	0.367052	0.225462	0.290144	0.259494	guanylate binding protein 3 [Source:HGNC Symbol;Acc:HGNC:418	chr1:89472	NM_01828	XM_01154	.	.	NP_06075	XP_00527	protein_co	ENSG0000	2635	4184
GBP4	0	0	0	0	0	0	guanylate binding protein 4 [Source:HGNC Symbol;Acc:HGNC:204	chr1:89646	NM_05294	.	.	.	NP_44317	.	protein_co	ENSG0000	115361	20480
GBP5	0.06193	0.064811	0.054167	0.069141	0.06986	0.094667	guanylate binding protein 5 [Source:HGNC Symbol;Acc:HGNC:198	chr1:89726	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	115362	19895
GBP6	0	0	0	0	0	0	guanylate binding protein family member 6 [Source:HGNC Symbo	chr1:89829	NM_19846	XM_01154	.	.	NP_94086	XP_01153	protein_co	ENSG0000	163351	25395
GBP7	0	0	0	0	0	0	guanylate binding protein 7 [Source:HGNC Symbol;Acc:HGNC:296	chr1:89597	NM_20739	.	.	.	NP_99728	.	protein_co	ENSG0000	388646	29606
GBX1	0.553799	0.537944	0.874651	0.294864	0.216444	0.309568	gastrulation brain homeobox 1 [Source:HGNC Symbol;Acc:HGNC:	chr7:15084	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	2636	4185
GBX2	1.89536	2.8049	2.6941	2.34575	2.14193	2.74296	gastrulation brain homeobox 2 [Source:HGNC Symbol;Acc:HGNC:	chr2:23707	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	2637	4186
GC	0	0	0	0	0	0	GC, vitamin D binding protein [Source:HGNC Symbol;Acc:HGNC:4	chr4:72607	NM_00058	XM_00671	.	.	NP_00057	XP_006714	protein_co	ENSG0000	2638	4187
GCA	12.4556	12.9367	14.7227	14.1881	14.8887	17.7177	grancalcin [Source:HGNC Symbol;Acc:HGNC:15990]	chr2:16317	NM_01219	XM_01151	.	.	NP_03633	XP_006712	protein_co	ENSG0000	25801	15990
GCAT	39.3814	37.9226	45.7228	42.0978	33.9232	24.3283	glycine C-acetyltransferase [Source:HGNC Symbol;Acc:HGNC:418	chr22:3820	NM_00117	XM_01153	.	.	NP_00116	XP_005261	protein_co	ENSG0000	23464	4188
GCC1	14.2901	15.5108	11.2519	9.15588	10.5647	9.93565	GRIP and coiled-coil domain containing 1 [Source:HGNC Symbol;A	chr7:12722	NM_02452	.	.	.	NP_07879	.	protein_co	ENSG0000	79571	19095
GCC2	3.57597	3.61884	4.01992	1.5275	2.12888	2.90893	GRIP and coiled-coil domain containing 2 [Source:HGNC Symbol;A	chr2:10906	NM_18145	XM_00671	.	.	NP_85211	XP_006712	protein_co	ENSG0000	9648	23218
GCDH	8.33649	8.34626	9.77466	9.35094	7.40098	6.24486	glutaryl-CoA dehydrogenase [Source:HGNC Symbol;Acc:HGNC:41	chr19:1300	NM_00015	XM_01152	.	.	NP_00015	XP_006722	protein_co	ENSG0000	2639	4189
GCFC2	5.99334	7.23746	6.95775	6.47374	6.45829	7.36127	GC-rich sequence DNA-binding factor 2 [Source:HGNC Symbol;Ac	chr2:75873	NM_00120	XM_01153	.	.	NP_00118	XP_005264	protein_co	ENSG0000	6936	1317
GCG	0	0	0	0	0	0	glucagon [Source:HGNC Symbol;Acc:HGNC:4191]	chr2:16299	NM_00205	.	.	.	NP_00204	.	protein_co	ENSG0000	2641	4191
GCGR	0	0.043944	0	0	0	0	glucagon receptor [Source:HGNC Symbol;Acc:HGNC:4192]	chr17:7976	NM_00016	XM_01702	.	.	NP_00015	XP_006722	protein_co	ENSG0000	2642	4192
GCH1	12.793	12.8708	14.6427	16.0753	17.5228	21.193	GTP cyclohydrolase 1 [Source:HGNC Symbol;Acc:HGNC:4193]	chr14:5530	NM_00016	XM_00526	.	.	NP_00015	XP_005267	protein_co	ENSG0000	2643	4193
GCHFR	1.65623	1.19412	4.9724	2.0772	1.89225	4.10156	GTP cyclohydrolase I feedback regulator [Source:HGNC Symbol;A	chr15:4105	NM_00525	.	.	.	NP_00524	.	protein_co	ENSG0000	2644	4194
GCK	0.098011	0.07721	0.02832	0.069857	0.076227	0.036079	glucokinase [Source:HGNC Symbol;Acc:HGNC:4195]	chr7:44183	NM_00016	.	.	.	NP_00015	XP_016867	protein_co	ENSG0000	2645	4195
GCKR	0	0.029923	0	0	0.033759	0	glucokinase regulator [Source:HGNC Symbol;Acc:HGNC:4196]	chr2:27719	NM_00148	XM_01153	.	.	NP_00147	.	protein_co	ENSG0000	2646	4196
GCLC	24.3311	25.9394	19.8373	20.8498	21.2696	25.2008	glutamate-cysteine ligase catalytic subunit [Source:HGNC Symbol	chr6:53362	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	2729	4311
GCLM	12.0384	12.7657	8.43571	11.5259	12.6852	10.0656	glutamate-cysteine ligase modifier subunit [Source:HGNC Symbol	chr1:94350	NM_00206	XM_01154	.	.	NP_00129	XP_00527	protein_co	ENSG0000	2730	4312
GCM1	0.056893	0	0	0.031857	0	0.028871	glial cells missing homolog 1 [Source:HGNC Symbol;Acc:HGNC:41	chr6:52991	NM_00364	.	.	.	NP_00363	.	protein_co	ENSG0000	8521	4197
GCM2	0	0	0.051567	0	0.066357	0.030062	glial cells missing homolog 2 [Source:HGNC Symbol;Acc:HGNC:41	chr6:10873	NM_00475	XM_01151	.	.	NP_00474	XP_01151	protein_co	ENSG0000	9247	4198
GCN1	39.2913	41.2756	41.1917	41.6764	41.2522	32.1526	GCN1, eIF2 alpha kinase activator homolog [Source:HGNC Symbo	chr12:1205	NM_00683	.	.	.	NP_00682	.	protein_co	ENSG0000	10985	4199
GCNT1	2.73307	3.17476	3.14598	3.02561	3.37218	3.45224	glucosaminyl (N-acetyl) transferase 1, core 2 [Source:HGNC Symb	chr9:79056	NM_00109	XM_01701	.	.	NP_00109	XP_006717	protein_co	ENSG0000	2650	4203
GCNT2	0.259591	0.322165	0.233408	0.152252	0.373245	0.351351	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (I bloo	chr6:10492	NM_00149	XM_01151	.	.	NP_00148	XP_00524	protein_co	ENSG0000	2651	4204
GCNT3	0.977311	1.78274	1.18327	1.07783	1.26543	1.17784	glucosaminyl (N-acetyl) transferase 3, mucin type [Source:HGNC	chr15:5990	NM_00475	.	.	.	NP_00474	.	protein_co	ENSG0000	9245	4205
GCNT4	0.113379	0.088544	0.070383	0.112711	0.07053	0.092038	glucosaminyl (N-acetyl) transferase 4, core 2 [Source:HGNC Symb	chr5:74321	NM_01659	.	.	.	NP_05767	.	protein_co	ENSG0000	51301	17973
GCNT7	0	0	0	0	0	0	glucosaminyl (N-acetyl) transferase family member 7 [Source:HG	chr20:5504	NM_08061	.	.	.	NP_54218	.	protein_co	ENSG0000	140687	16099
GCOM1	0.21001	1.5E-09	0.213734	0.29237	0.149488	0.098722	GRINL1A complex locus 1 [Source:HGNC Symbol;Acc:HGNC:2642	chr15:5778	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	145781	26424

GCSAM	0	0	0.02085	0	0	0	germinal center associated signaling and motility [Source:HGNC S	chr3:11180	NM_00119	XM_01151	.	.	NP_00117	XP_005247	protein_co	ENSG0000	257144	20253
GCSAML	0	0	0	0	0	0.021172	germinal center associated signaling and motility like [Source:HG	chr1:24767	NM_00128	XM_01700	.	.	NP_00126	XP_011542	protein_co	ENSG0000	148823	29583
GCSH	49.7696	46.4191	54.0914	69.9266	48.6882	57.498	glycine cleavage system protein H [Source:HGNC Symbol;Acc:HGN	chr16:8111	NM_00448	.	.	.	NP_00447	XP_016878	protein_co	ENSG0000	2653	4208
GDA	20.9266	21.3087	16.7778	16.8953	20.3817	20.0583	guanine deaminase [Source:HGNC Symbol;Acc:HGNC:4212]	chr9:74729	NM_00124	XM_01701	.	.	NP_00122	XP_005252	protein_co	ENSG0000	9615	4212
GDAP1	10.5541	10.3646	10.2497	13.5169	15.0785	15.1408	ganglioside induced differentiation associated protein 1 [Source:H	chr8:75262	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	54332	15968
GDAP1L1	0	0	0	0	0	0.138719	ganglioside induced differentiation associated protein 1 like 1 [So	chr20:4287	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	78997	4213
GDAP2	3.91097	2.91895	3.01658	3.28331	4.24176	4.27427	ganglioside induced differentiation associated protein 2 [Source:H	chr1:11840	NM_00113	XM_01154	.	.	NP_00112	XP_005271	protein_co	ENSG0000	54834	18010
GDE1	25.2704	24.9865	25.1852	32.9671	30.1701	25.3347	glycerophosphodiester phosphodiesterase 1 [Source:HGNC Symb	chr16:1951	NM_00132	XM_00525	.	.	NP_00131	.	protein_co	ENSG0000	51573	29644
GDF1	4.57E-66	0.531781	0.370456	0.152943	0	0.088093	growth differentiation factor 1 [Source:HGNC Symbol;Acc:HGNC:	chr19:1897	NM_00149	.	.	.	NP_00148	.	protein_co	ENSG0000	2657	4214
GDF10	0	0	0	0	0	0	growth differentiation factor 10 [Source:HGNC Symbol;Acc:HGNC	chr10:4842	NM_00496	XM_00671	.	.	NP_00495	.	protein_co	ENSG0000	2662	4215
GDF11	1.54936	1.41906	1.43553	1.09707	1.07919	0.800692	growth differentiation factor 11 [Source:HGNC Symbol;Acc:HGNC	chr12:5613	NM_00581	XM_00671	.	.	NP_00580	XP_006719	protein_co	ENSG0000	10220	4216
GDF15	273.605	280.808	364.012	153.449	133.835	454.119	growth differentiation factor 15 [Source:HGNC Symbol;Acc:HGNC	chr19:1849	NM_00486	.	.	.	NP_00485	.	protein_co	ENSG0000	9518	30142
GDF2	0	0	0	0	0	0	growth differentiation factor 2 [Source:HGNC Symbol;Acc:HGNC:	chr10:4841	NM_01620	.	.	.	NP_05728	.	protein_co	ENSG0000	2658	4217
GDF3	0	0	0	0	0	0	growth differentiation factor 3 [Source:HGNC Symbol;Acc:HGNC:	chr12:7842	NM_02063	.	.	.	NP_06568	.	protein_co	ENSG0000	9573	4218
GDF5	0.063155	0.09393	0.054681	0.033931	0.073253	0.03473	growth differentiation factor 5 [Source:HGNC Symbol;Acc:HGNC:	chr20:3402	NM_00055	XM_01152	.	.	NP_00054	XP_011527	protein_co	ENSG0000	8200	4220
GDF5OS	0	0	0	0	0	0	growth differentiation factor 5 opposite strand [Source:HGNC Sy	chr20:3402	.	.	.	.	.	.	protein_co	ENSG0000	.	33435
GDF6	0	0	0	0	0	0	growth differentiation factor 6 [Source:HGNC Symbol;Acc:HGNC:	chr8:97154	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	392255	4221
GDF7	0	0	0	0	0	0	growth differentiation factor 7 [Source:HGNC Symbol;Acc:HGNC:	chr2:20866	NM_18282	.	.	.	NP_87824	.	protein_co	ENSG0000	151449	4222
GDF9	0.218891	0.567878	0.271087	0.353232	0.208382	0.492857	growth differentiation factor 9 [Source:HGNC Symbol;Acc:HGNC:	chr5:13219	NM_00128	XM_01154	.	.	NP_00127	XP_005272	protein_co	ENSG0000	2661	4224
GDI1	54.3626	52.9867	55.9001	64.0744	57.6477	60.4806	GDP dissociation inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:42	chrX:15366	NM_00149	.	.	.	NP_00148	.	protein_co	ENSG0000	2664	4226
GDI2	85.8953	81.2248	80.4476	101.295	98.9394	97.957	GDP dissociation inhibitor 2 [Source:HGNC Symbol;Acc:HGNC:42	chr10:5807	NM_00111	.	.	.	NP_00110	XP_016871	protein_co	ENSG0000	2665	4227
GDNF	0	0	0	0	0	0	glial cell derived neurotrophic factor [Source:HGNC Symbol;Acc:H	chr5:37812	NM_00051	XM_01151	.	.	NP_00050	XP_011512	protein_co	ENSG0000	2668	4232
GDPD1	4.1887	5.46303	6.65579	5.55765	7.07457	9.56073	glycerophosphodiester phosphodiesterase domain containing 1 [	chr17:5729	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	284161	20883
GDPD2	0	0	0	0	0.041472	0.038637	glycerophosphodiester phosphodiesterase domain containing 2 [	chrX:69642	NM_00117	XM_01153	.	.	NP_00116	XP_011529	protein_co	ENSG0000	54857	25974
GDPD3	1.4915	0.628924	1.09171	1.23555	0.92784	1.31117	glycerophosphodiester phosphodiesterase domain containing 3 [	chr16:3011	NM_02430	.	.	.	NP_07728	.	protein_co	ENSG0000	79153	28638
GDPD4	0	0	0	0	0	0	glycerophosphodiester phosphodiesterase domain containing 4 [	chr11:7692	NM_18283	XM_01154	.	.	NP_87825	XP_011543	protein_co	ENSG0000	220032	24849
GDPD5	8.9079	8.93236	8.56777	8.60009	7.99185	7.98672	glycerophosphodiester phosphodiesterase domain containing 5 [	chr11:7514	NM_03079	XM_01154	.	.	NP_11041	XP_006718	protein_co	ENSG0000	81544	28804
GDPGP1	2.58258	2.95889	3.47605	3.40085	2.35063	2.92526	GDP-D-glucose phosphorylase 1 [Source:HGNC Symbol;Acc:HGNC	chr15:9077	NM_00101	XM_01152	.	.	NP_00101	XP_011519	protein_co	ENSG0000	390637	34360
GEM	5.78649	5.78646	4.94632	7.18133	7.40426	8.80648	GTP binding protein overexpressed in skeletal muscle [Source:HG	chr8:95261	NM_00526	.	.	.	NP_00525	.	protein_co	ENSG0000	2669	4234
GEMIN2	13.6213	14.179	12.7146	17.5827	14.754	17.4718	gem nuclear organelle associated protein 2 [Source:HGNC Symbo	chr14:3958	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	8487	10884
GEMIN4	32.8391	32.8632	29.6178	39.253	35.2405	23.8588	gem nuclear organelle associated protein 4 [Source:HGNC Symbo	chr17:6476	NM_01572	XM_01152	.	.	NP_05653	XP_005256	protein_co	ENSG0000	50628	15717
GEMIN5	17.4412	18.9412	18.4499	24.524	24.1623	15.7875	gem nuclear organelle associated protein 5 [Source:HGNC Symbo	chr5:15426	NM_00125	.	.	.	NP_00123	.	protein_co	ENSG0000	25929	20043
GEMIN6	20.3891	24.6217	21.1273	28.3691	26.5071	16.7589	gem nuclear organelle associated protein 6 [Source:HGNC Symbo	chr2:38978	NM_02477	.	.	.	NP_07905	.	protein_co	ENSG0000	79833	20044
GEMIN7	35.4096	34.6087	35.0507	41.4648	34.1107	32.702	gem nuclear organelle associated protein 7 [Source:HGNC Symbo	chr19:4558	NM_00100	XM_01152	.	.	NP_00100	XP_005259	protein_co	ENSG0000	79760	20045
GEMIN8	10.1358	8.32417	8.00606	8.15242	8.58619	8.32193	gem nuclear organelle associated protein 8 [Source:HGNC Symbo	chrX:14026	NM_00104	.	.	.	NP_00103	XP_016885	protein_co	ENSG0000	54960	26044
GEN1	5.24262	4.55523	4.71153	4.31349	7.42826	6.64046	GEN1, Holliday junction 5' flap endonuclease [Source:HGNC Symb	chr2:17845	NM_00113	XM_01153	.	.	NP_00112	XP_005262	protein_co	ENSG0000	348654	26881
GET4	33.0662	29.4338	29.5721	34.3967	30.3404	26.7613	golgi to ER traffic protein 4 [Source:HGNC Symbol;Acc:HGNC:216	chr7:91618	NM_01594	.	.	.	NP_05703	.	protein_co	ENSG0000	51608	21690
GFAP	0.021206	0.040506	0	0.219875	0.122566	0.139363	glial fibrillary acidic protein [Source:HGNC Symbol;Acc:HGNC:423	chr17:4298	NM_00113	.	.	.	NP_00112	XP_016879	protein_co	ENSG0000	2670	4235
GFER	35.0076	27.0169	29.4176	36.819	27.3196	20.9762	growth factor, augmenter of liver regeneration [Source:HGNC Sy	chr16:2034	NM_00526	.	.	.	NP_00525	.	protein_co	ENSG0000	2671	4236
GFI1	2.74895	2.57371	4.44887	2.22501	2.42123	3.40505	growth factor independent 1 transcriptional repressor [Source:H	chr1:92940	NM_00112	XM_01154	.	.	NP_00112	XP_005270	protein_co	ENSG0000	2672	4237
GFI1B	0	0	0	0.057167	0.061582	0	growth factor independent 1B transcriptional repressor [Source:H	chr9:13582	NM_00113	XM_01151	.	.	NP_00112	XP_006717	protein_co	ENSG0000	8328	4238
GFM1	15.8735	15.9165	17.4306	21.9822	23.6285	18.3427	G elongation factor mitochondrial 1 [Source:HGNC Symbol;Acc:H	chr3:15836	NM_00130	XM_01151	.	.	NP_00129	XP_006713	protein_co	ENSG0000	85476	13780
GFM2	18.8051	17.0937	18.4278	17.1438	18.8516	16.3044	G elongation factor mitochondrial 2 [Source:HGNC Symbol;Acc:H	chr5:73923	NM_00128	XM_01154	.	.	NP_00126	XP_011541	protein_co	ENSG0000	84340	29682
GFOD1	2.01838	1.73501	2.35167	1.41632	2.17631	2.84599	glucose-fructose oxidoreductase domain containing 1 [Source:HG	chr6:13358	NM_00124	XM_01151	NR_03845	.	NP_00122	XP_011513	protein_co	ENSG0000	54438	21096
GFOD2	12.5938	12.1902	12.4717	13.4358	13.8916	10.2681	glucose-fructose oxidoreductase domain containing 2 [Source:HG	chr16:6770	NM_00124	.	.	.	NP_00123	XP_016879	protein_co	ENSG0000	81577	28159
GFPT1	14.259	15.0538	11.8284	15.2473	17.0848	28.4333	glutamine--fructose-6-phosphate transaminase 1 [Source:HGNC S	chr2:69546	NM_00124	.	.	.	NP_00123	XP_016859	protein_co	ENSG0000	2673	4241
GFPT2	4.76249	5.94452	7.86147	5.64557	4.97727	7.09016	glutamine-fructose-6-phosphate transaminase 2 [Source:HGNC S	chr5:17972	NM_00511	XM_00671	.	.	NP_00510	XP_006715	protein_co	ENSG0000	9945	4242
GFRA1	0	0	0	0	0	0.037332	GDNF family receptor alpha 1 [Source:HGNC Symbol;Acc:HGNC:4	chr10:1178	NM_00114	XM_01153	.	.	NP_00113	XP_005269	protein_co	ENSG0000	2674	4243
GFRA2	0	0	0	0.076633	0.044909	0.159068	GDNF family receptor alpha 2 [Source:HGNC Symbol;Acc:HGNC:4	chr8:21547	NM_00116	XM_01154	.	.	NP_00115	XP_006716	protein_co	ENSG0000	2675	4244
GFRA3	0.088521	0.149313	0.037845	0	0.115231	0.048384	GDNF family receptor alpha 3 [Source:HGNC Symbol;Acc:HGNC:4	chr5:13758	NM_00149	.	.	.	NP_00148	.	protein_co	ENSG0000	2676	4245
GFRA4	0	0	0	0	0	0	GDNF family receptor alpha 4 [Source:HGNC Symbol;Acc:HGNC:1	chr20:3639	NM_02213	.	.	.	NP_07142	XP_005260	protein_co	ENSG0000	64096	13821
GFRAL	0	0	0.039338	0	0	0.045102	GDNF family receptor alpha like [Source:HGNC Symbol;Acc:HGNC	chr6:55192	NM_20741	.	.	.	NP_99729	.	protein_co	ENSG0000	389400	32789
GFY	4.00094	4.05615	3.86565	0.505009	0.263005	0.250487	golgi associated olfactory signaling regulator [Source:HGNC Symb	chr19:4992	NM_00119	XM_01152	.	.	NP_00118	XP_011524	protein_co	ENSG0000	100507003	44663
GGA1	20.181	19.7358	25.2198	19.0864	19.6609	21.6418	golgi associated, gamma adaptin ear containing, ARF binding prot	chr22:3800	NM_00100	XM_01702	.	.	NP_00100	XP_005261	protein_co	ENSG0000	26088	17842
GGA2	17.7836	18.6666	18.1181	18.8444	18.005	15.8343	golgi associated, gamma adaptin ear containing, ARF binding prot	chr16:2347	NM_01504	XM_01154	.	.	NP_05585	XP_016878	protein_co	ENSG0000	23062	16064
GGA3	16.2461	15.8209	16.7414	15.4959	15.7563	13.6874	golgi associated, gamma adaptin ear containing, ARF binding prot	chr17:7323	NM_00117	XM_01152	.	.	NP_00116	XP_011522	protein_co	ENSG0000	23163	17079
GGACT	1.29844	1.58123	1.59191	1.18868	1.72656	2.10958	gamma-glutamylamine cyclotransferase [Source:HGNC Symbol;A	chr13:1007	NM_00119	XM_01152	.	.	NP_00118	XP_005254	protein_co	ENSG0000	87769	25100
GGCT	55.6323	53.8444	58.6788	54.4369	60.0482	57.4318	gamma-glutamylcyclotransferase [Source:HGNC Symbol;Acc:HGN	chr7:30536	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	79017	21705
GGCX	7.04755	9.02243	8.21068	8.24712	6.66855	8.88134	gamma-glutamyl carboxylase [Source:HGNC Symbol;Acc:HGNC:4	chr2:85766	NM_00082	XM_01153	.	.	NP_00081	XP_005264	protein_co	ENSG0000	2677	4247

GGH	36.0928	34.7096	32.549	37.6595	39.8129	40.3648	gamma-glutamyl hydrolase [Source:HGNC Symbol;Acc:HGNC:424	chr8:63927	NM_00387	.	.	.	NP_00386	.	protein_co	ENSG0000	8836	4248
GGN	0.172325	0.10897	0.145344	0	0	0.265444	gametogenetin [Source:HGNC Symbol;Acc:HGNC:18869]	chr19:3887	NM_15265	XM_01152	.	.	NP_68987	XP_005258	protein_co	ENSG0000	199720	18869
GGNBP2	29.6626	28.7904	29.5128	28.8752	32.2985	30.6301	gametogenetin binding protein 2 [Source:HGNC Symbol;Acc:HGN	chr17:3490	NM_02483	XM_01152	.	.	NP_07911	XP_005257	protein_co	ENSG0000	79893	19357
GGPS1	16.9071	15.019	18.0795	15.3789	17.5748	24.1084	geranylgeranyl diphosphate synthase 1 [Source:HGNC Symbol;Ac	chr1:23533	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	9453	4249
GGT1	8.31266	5.97344	6.12077	1.39556	0.965446	1.15587	gamma-glutamyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:4	chr22:2497	NM_00128	XM_00526	.	.	NP_00127	XP_005261	protein_co	ENSG0000	102724197	4250
GGT2	0	0	0	0	0	0	gamma-glutamyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:4	chr22:2156	.	XM_01153	.	.	.	XP_011544	protein_co	ENSG0000	102724197	4251
GGT5	0	0.068298	0.297816	0	0.080821	0.18612	gamma-glutamyltransferase 5 [Source:HGNC Symbol;Acc:HGNC:4	chr22:2461	NM_00109	XM_01702	.	.	NP_00109	XP_005261	protein_co	ENSG0000	2687	4260
GGT6	0	0.054124	0.02715	0.033761	0.077631	0.073871	gamma-glutamyltransferase 6 [Source:HGNC Symbol;Acc:HGNC:2	chr17:4460	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	124975	26891
GGT7	3.41574	2.83607	4.75209	4.04393	4.5966	5.55435	gamma-glutamyltransferase 7 [Source:HGNC Symbol;Acc:HGNC:4	chr20:3343	NM_17802	XM_01702	.	.	NP_82115	XP_016883	protein_co	ENSG0000	2686	4259
GGTLC1	0	0	0	0	0	0	gamma-glutamyltransferase light chain 1 [Source:HGNC Symbol;A	chr20:2396	NM_17831	XM_01152	.	.	NP_84256	XP_005260	protein_co	ENSG0000	92086	16437
GGTLC2	0	0	0.126011	0	0	0	gamma-glutamyltransferase light chain 2 [Source:HGNC Symbol;A	chr22:2298	NM_00128	XM_01153	.	.	NP_00126	XP_005261	protein_co	ENSG0000	91227	18596
GGTLC3	0	0	0	0	0	0	gamma-glutamyltransferase light chain 3 [Source:HGNC Symbol;A	chr22:2036	.	.	.	.	.	.	protein_co	ENSG0000	.	33426
GH1	0	0	0	0.137305	0	0	growth hormone 1 [Source:HGNC Symbol;Acc:HGNC:4261]	chr17:6198	NM_00051	XM_01152	.	.	NP_00050	.	protein_co	ENSG0000	2688	4261
GH2	0.268563	0	0	0	0.167089	0	growth hormone 2 [Source:HGNC Symbol;Acc:HGNC:4262]	chr17:6194	NM_00205	.	.	.	NP_00205	.	protein_co	ENSG0000	2689	4262
GHDC	5.86212	8.14218	6.20839	8.23101	7.48772	5.15266	GH3 domain containing [Source:HGNC Symbol;Acc:HGNC:24438]	chr17:4034	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	84514	24438
GHITM	138.929	143.283	124.535	143.876	143.164	167.633	growth hormone inducible transmembrane protein [Source:HGN	chr10:8589	NM_01439	.	.	.	NP_05520	.	protein_co	ENSG0000	27069	17281
GHR	0	0.019697	0	0	0	0	growth hormone receptor [Source:HGNC Symbol;Acc:HGNC:4263	chr5:42423	NM_00016	XM_01151	.	.	NP_00015	.	protein_co	ENSG0000	2690	4263
GHRH	0	0	0	0	0	0	growth hormone releasing hormone [Source:HGNC Symbol;Acc:H	chr20:3587	NM_00118	XM_01152	.	.	NP_00117	XP_011527	protein_co	ENSG0000	2691	4265
GHRHR	0	0	0	0.112488	0	0.110092	growth hormone releasing hormone receptor [Source:HGNC Sym	chr7:31003	NM_00082	XM_01151	.	.	NP_00081	XP_011513	protein_co	ENSG0000	2692	4266
GHRL	0	0.055309	0	0	0	0	ghrelin/obestatin prepropeptide [Source:HGNC Symbol;Acc:HGN	chr3:10327	NM_00113	.	.	.	NP_00112	XP_016862	protein_co	ENSG0000	51738	18129
GHSR	0	0	0	0	0	0	growth hormone secretagogue receptor [Source:HGNC Symbol;A	chr3:17216	NM_00412	.	.	.	NP_00411	.	protein_co	ENSG0000	2693	4267
GID4	5.03502	4.60003	5.62042	4.18786	4.79325	5.39247	GID complex subunit 4 homolog [Source:HGNC Symbol;Acc:HGN	chr17:1794	NM_02405	XM_00525	.	.	NP_07695	XP_005256	protein_co	ENSG0000	79018	28453
GID8	23.7396	25.3453	23.1608	24.275	23.0688	22.6953	GID complex subunit 8 homolog [Source:HGNC Symbol;Acc:HGN	chr20:6156	NM_01789	.	.	.	NP_06036	.	protein_co	ENSG0000	54994	15857
GIF	0	0	0	0	0	0	gastric intrinsic factor [Source:HGNC Symbol;Acc:HGNC:4268]	chr11:5959	NM_00514	XM_01154	.	.	NP_00513	XP_011543	protein_co	ENSG0000	2694	4268
GIGYF1	14.1777	13.8111	13.9695	11.1177	10.169	11.0983	GRB10 interacting GYF protein 1 [Source:HGNC Symbol;Acc:HGN	chr7:10027	NM_02257	XM_01151	.	.	NP_07209	XP_005250	protein_co	ENSG0000	64599	9126
GIGYF2	14.9443	15.8961	15.9177	13.2312	14.5168	13.9729	GRB10 interacting GYF protein 2 [Source:HGNC Symbol;Acc:HGN	chr2:23356	NM_00110	.	NR_10349	.	NP_00109	.	protein_co	ENSG0000	26058	11960
GIMAP1	0	0	0	0	0	0	GTPase, IMAP family member 1 [Source:HGNC Symbol;Acc:HGNC	chr7:15041	NM_13075	.	.	.	NP_57011	.	protein_co	ENSG0000	170575	23237
GIMAP1-GIMAP5	0	0	0	0	0	0	GIMAP1-GIMAP5 readthrough [Source:HGNC Symbol;Acc:HGNC:5	chr7:15041	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100527949	51257
GIMAP2	0	0	0	0	0	0	GTPase, IMAP family member 2 [Source:HGNC Symbol;Acc:HGNC	chr7:15038	NM_01566	.	.	.	NP_05647	.	protein_co	ENSG0000	26157	21789
GIMAP4	0.032692	0	0.035395	0	0	0	GTPase, IMAP family member 4 [Source:HGNC Symbol;Acc:HGNC	chr7:15026	NM_01832	XM_00525	.	.	NP_06079	XP_005250	protein_co	ENSG0000	55303	21872
GIMAP5	0	0	0	0	0	0	GTPase, IMAP family member 5 [Source:HGNC Symbol;Acc:HGNC	chr7:15041	NM_01838	.	.	.	NP_06085	.	protein_co	ENSG0000	55340	18005
GIMAP6	0	0	0	0	0	0	GTPase, IMAP family member 6 [Source:HGNC Symbol;Acc:HGNC	chr7:15032	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	474344	21918
GIMAP7	0	0	0	0	0	0	GTPase, IMAP family member 7 [Source:HGNC Symbol;Acc:HGNC	chr7:15021	NM_15323	.	.	.	NP_69496	.	protein_co	ENSG0000	168537	22404
GIMAP8	0	0	0	0	0	0	GTPase, IMAP family member 8 [Source:HGNC Symbol;Acc:HGNC	chr7:15014	NM_17557	XM_00524	.	.	NP_78316	XP_005250	protein_co	ENSG0000	155038	21792
GIMD1	0	0	0	0	0	0	GIMAP family P-loop NTPase domain containing 1 [Source:HGNC	chr4:10727	NM_00119	.	.	.	NP_00118	XP_011529	protein_co	ENSG0000	100507096	44141
GIN1	4.13468	4.1267	3.95581	3.11638	6.287	5.42524	gypsy retrotransposon integrase 1 [Source:HGNC Symbol;Acc:HG	chr5:10242	NM_00131	XM_00527	.	.	NP_00130	XP_005272	protein_co	ENSG0000	54826	25959
GINM1	17.2505	15.3089	18.5541	13.1406	17.4996	24.4527	glycoprotein integral membrane 1 [Source:HGNC Symbol;Acc:HG	chr6:14988	NM_13878	.	.	.	NP_62014	.	protein_co	ENSG0000	116254	21074
GINS1	17.7102	19.4934	17.6113	22.8545	22.3539	19.8253	GINS complex subunit 1 [Source:HGNC Symbol;Acc:HGNC:28980]	chr20:2538	NM_02106	XM_01702	.	.	NP_06654	XP_016883	protein_co	ENSG0000	9837	28980
GINS2	32.655	32.2589	25.394	33.6285	28.7859	21.8485	GINS complex subunit 2 [Source:HGNC Symbol;Acc:HGNC:24575]	chr16:8564	NM_01609	.	.	.	NP_05717	.	protein_co	ENSG0000	51659	24575
GINS3	16.7164	18.4036	12.5905	21.9614	22.3864	15.8068	GINS complex subunit 3 [Source:HGNC Symbol;Acc:HGNC:25851]	chr16:5842	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	64785	25851
GINS4	12.3453	12.7643	11.1039	13.7791	14.3467	12.7534	GINS complex subunit 4 [Source:HGNC Symbol;Acc:HGNC:28226]	chr8:41386	NM_03233	XM_00527	.	.	NP_11571	XP_005273	protein_co	ENSG0000	84296	28226
GIP	0	0	0	0.336821	0.359303	0.111437	gastric inhibitory polypeptide [Source:HGNC Symbol;Acc:HGNC:4	chr17:4703	NM_00412	.	.	.	NP_00411	.	protein_co	ENSG0000	2695	4270
GIPC1	69.4044	68.1243	66.1493	79.8769	64.3394	61.489	GIPC PDZ domain containing family member 1 [Source:HGNC Sym	chr19:1458	NM_00571	XM_01702	.	.	NP_00570	XP_011525	protein_co	ENSG0000	10755	1226
GIPC2	0.025591	0	0	0	0.028026	0	GIPC PDZ domain containing family member 2 [Source:HGNC Sym	chr1:78511	NM_01765	.	.	.	NP_06012	.	protein_co	ENSG0000	54810	18177
GIPC3	0	0.0153	0	0	0	0.016363	GIPC PDZ domain containing family member 3 [Source:HGNC Sym	chr19:3585	NM_13326	XM_00525	.	.	NP_57356	XP_005259	protein_co	ENSG0000	126326	18183
GIPR	1.62953	1.75301	3.09346	0.709095	0.728062	1.35663	gastric inhibitory polypeptide receptor [Source:HGNC Symbol;Acc	chr19:4617	NM_00016	XM_01152	.	.	NP_00015	XP_011525	protein_co	ENSG0000	2696	4271
GIT1	36.1806	37.3693	32.2492	41.1365	37.1346	25.6901	GIT ArfGAP 1 [Source:HGNC Symbol;Acc:HGNC:4272]	chr17:2790	NM_00108	XM_01152	.	.	NP_00107	XP_011522	protein_co	ENSG0000	28964	4272
GIT2	7.47267	9.04762	8.51262	7.09545	8.24647	7.53902	GIT ArfGAP 2 [Source:HGNC Symbol;Acc:HGNC:4273]	chr12:1103	NM_00113	XM_01702	.	.	NP_00112	XP_005254	protein_co	ENSG0000	9815	4273
GJA1	0	0	0.024219	0	0.093306	0.1096	gap junction protein alpha 1 [Source:HGNC Symbol;Acc:HGNC:42	chr6:12175	NM_00016	.	.	.	NP_00015	.	protein_co	ENSG0000	2697	4274
GJA10	0	0	0	0	0	0	gap junction protein alpha 10 [Source:HGNC Symbol;Acc:HGNC:1	chr6:90604	NM_03260	.	.	.	NP_11599	.	protein_co	ENSG0000	84694	16995
GJA3	4.20718	4.07634	5.3555	3.672	4.28162	4.316	gap junction protein alpha 3 [Source:HGNC Symbol;Acc:HGNC:42	chr13:2071	NM_02195	XM_01153	.	.	NP_06877	XP_005266	protein_co	ENSG0000	2700	4277
GJA4	0	0	0	0.056701	0	0	gap junction protein alpha 4 [Source:HGNC Symbol;Acc:HGNC:42	chr1:35258	NM_00206	XM_00527	.	.	NP_00205	XP_005270	protein_co	ENSG0000	2701	4278
GJA5	0	0.023255	0.019555	0.04967	0	0.023444	gap junction protein alpha 5 [Source:HGNC Symbol;Acc:HGNC:42	chr1:14722	NM_00526	XM_01150	.	.	NP_00525	XP_005273	protein_co	ENSG0000	2702	4279
GJA8	0	0	0	0	0	0	gap junction protein alpha 8 [Source:HGNC Symbol;Acc:HGNC:42	chr1:14738	NM_00526	XM_01150	.	.	NP_00525	XP_011507	protein_co	ENSG0000	2703	4281
GJA9	0	0	0	0	0	0	gap junction protein alpha 9 [Source:HGNC Symbol;Acc:HGNC:19	chr1:39328	NM_03077	.	.	.	NP_11039	.	protein_co	ENSG0000	81025	19155
GJB1	0	0	0	0	0	0	gap junction protein beta 1 [Source:HGNC Symbol;Acc:HGNC:428	chrX:70435	NM_00016	XM_01153	.	.	NP_00015	XP_011529	protein_co	ENSG0000	2705	4283
GJB2	18.8352	19.1042	22.8245	18.5873	19.8071	21.7347	gap junction protein beta 2 [Source:HGNC Symbol;Acc:HGNC:428	chr13:2076	NM_00400	XM_01153	.	.	NP_00399	XP_011533	protein_co	ENSG0000	2706	4284
GJB3	19.6746	21.3768	16.7466	18.8634	17.9883	14.5846	gap junction protein beta 3 [Source:HGNC Symbol;Acc:HGNC:428	chr1:35246	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	2707	4285
GJB4	0.446486	0.797161	0.643868	0.47991	0.171618	0.215498	gap junction protein beta 4 [Source:HGNC Symbol;Acc:HGNC:428	chr1:35225	NM_15321	XM_01154	.	.	NP_69494	XP_011538	protein_co	ENSG0000	127534	4286

GJB5	5.06404	5.74772	4.88357	7.40862	5.06779	3.80208	gap junction protein beta 5 [Source:HGNC Symbol;Acc:HGNC:428	chr1:3522	NM_00526	XM_00527	.	.	NP_00525	XP_00527	protein_co	ENSG0000	2709	4287
GJB6	0	0	0	0	0.101658	0.045547	gap junction protein beta 6 [Source:HGNC Symbol;Acc:HGNC:428	chr13:2079	NM_00111	XM_01702	.	.	NP_00110	XP_01687	protein_co	ENSG0000	10804	4288
GJB7	0	0	0	0	0	0	gap junction protein beta 7 [Source:HGNC Symbol;Acc:HGNC:166	chr6:87992	NM_19856	XM_00524	.	.	NP_94097	XP_00524	protein_co	ENSG0000	375519	16690
GJC1	13.6228	13.6095	13.6188	15.3857	18.4418	16.9808	gap junction protein gamma 1 [Source:HGNC Symbol;Acc:HGNC:4	chr17:4287	NM_00108	XM_00525	.	.	NP_00107	XP_00525	protein_co	ENSG0000	10052	4280
GJC2	0.40057	0.571213	0.426038	0.471549	0.533562	0.400581	gap junction protein gamma 2 [Source:HGNC Symbol;Acc:HGNC:1	chr1:22833	NM_02043	.	.	.	NP_06516	.	protein_co	ENSG0000	57165	17494
GJC3	0	0.146525	0.062189	0.314936	0.24143	0.148516	gap junction protein gamma 3 [Source:HGNC Symbol;Acc:HGNC:1	chr7:9952	NM_18153	.	.	.	NP_85351	.	protein_co	ENSG0000	349149	17495
GJD2	0	0	0	0	0	0	gap junction protein delta 2 [Source:HGNC Symbol;Acc:HGNC:19	chr15:3504	NM_02066	.	.	.	NP_06571	.	protein_co	ENSG0000	57369	19154
GJD3	0	0	0	0	0	0	gap junction protein delta 3 [Source:HGNC Symbol;Acc:HGNC:19	chr17:3851	NM_15221	.	.	.	NP_68934	.	protein_co	ENSG0000	125111	19147
GJD4	0	0.126556	0	0	0.075936	0	gap junction protein delta 4 [Source:HGNC Symbol;Acc:HGNC:23	chr10:3589	NM_15336	.	.	.	NP_69919	.	protein_co	ENSG0000	219770	23296
GJE1	0	0	0	0	0	0	gap junction protein epsilon 1 [Source:HGNC Symbol;Acc:HGNC:3	chr6:14245	.		.	.	.	.	protein_co	ENSG0000	.	33251
GK	1.56375	2.1912	2.09013	2.0032	2.12521	2.0077	glycerol kinase [Source:HGNC Symbol;Acc:HGNC:4289]	chrX:3067	NM_00016	XM_01154	.	.	NP_00015	XP_00527	protein_co	ENSG0000	2710	4289
GK2	0	0	0	0	0	0	glycerol kinase 2 [Source:HGNC Symbol;Acc:HGNC:4291]	chr4:8032	NM_03321	.	.	.	NP_14999	.	protein_co	ENSG0000	2712	4291
GK5	3.13435	3.42482	3.02276	2.71155	3.17507	3.55485	glycerol kinase 5 (putative) [Source:HGNC Symbol;Acc:HGNC:28	chr3:14187	NM_00103	XM_01700	.	.	NP_00103	XP_01151	protein_co	ENSG0000	256356	28635
GKAP1	2.43743	1.56162	1.61343	1.58054	2.15715	2.80391	G kinase anchoring protein 1 [Source:HGNC Symbol;Acc:HGNC:17	chr9:86354	NM_00113	XM_01151	.	.	NP_00112	XP_00525	protein_co	ENSG0000	80318	17496
GKN1	0	0	0	0.09171	0	0	gastrokine 1 [Source:HGNC Symbol;Acc:HGNC:23217]	chr2:6920	NM_01961	.	.	.	NP_06256	.	protein_co	ENSG0000	56287	23217
GKN2	0	0	0	0	0	0	gastrokine 2 [Source:HGNC Symbol;Acc:HGNC:24588]	chr2:6917	NM_18253	.	.	.	NP_87234	.	protein_co	ENSG0000	200504	24588
GLA	31.9311	29.4268	23.8846	31.1676	30.1936	21.5978	galactosidase alpha [Source:HGNC Symbol;Acc:HGNC:4296]	chrX:10064	NM_00016	.	.	.	NP_00016	.	protein_co	ENSG0000	2717	4296
GLB1	16.7151	16.875	16.9588	16.2505	12.5045	15.954	galactosidase beta 1 [Source:HGNC Symbol;Acc:HGNC:4298]	chr3:33038	NM_0004	.	.	.	NP_00039	.	protein_co	ENSG0000	2720	4298
GLB1L	2.29032	1.95723	2.53545	1.88603	1.26791	1.90691	galactosidase beta 1 like [Source:HGNC Symbol;Acc:HGNC:28129	chr2:2200	NM_00128	XM_01151	.	.	NP_00127	XP_01151	protein_co	ENSG0000	79411	28129
GLB1L2	17.4176	18.1635	17.8726	19.729	16.1965	14.9415	galactosidase beta 1 like 2 [Source:HGNC Symbol;Acc:HGNC:251	chr11:1342	NM_13834	XM_00671	.	.	NP_61235	XP_00671	protein_co	ENSG0000	89944	25129
GLB1L3	0	0	0	0	0	0.029238	galactosidase beta 1 like 3 [Source:HGNC Symbol;Acc:HGNC:251	chr11:1341	NM_00108	XM_01154	.	.	NP_00107	XP_01154	protein_co	ENSG0000	112937	25147
GLCCI1	0.772073	0.684696	1.29463	0.618949	0.882133	1.35062	glucocorticoid induced 1 [Source:HGNC Symbol;Acc:HGNC:18713	chr7:8008	NM_13842	.	.	.	NP_61243	.	protein_co	ENSG0000	113263	18713
GLCE	8.62329	9.04395	11.6914	8.27994	11.1002	13.5964	glucuronic acid epimerase [Source:HGNC Symbol;Acc:HGNC:178	chr15:6945	NM_00132	XM_01702	.	.	NP_00131	XP_00525	protein_co	ENSG0000	26035	17855
GLDC	2.12718	1.48972	2.62793	2.26892	1.66176	2.12014	glycine decarboxylase [Source:HGNC Symbol;Acc:HGNC:4313]	chr9:6532	NM_00017	.	.	.	NP_00016	.	protein_co	ENSG0000	2731	4313
GLDN	0.517845	0.65919	0.900358	0.182413	0.176159	0.614645	gliomedin [Source:HGNC Symbol;Acc:HGNC:29514]	chr15:5163	NM_18178	XM_01702	.	.	NP_86145	XP_01151	protein_co	ENSG0000	342035	29514
GLE1	23.0284	20.7179	21.0527	20.3929	21.0164	18.5209	GLE1, RNA export mediator [Source:HGNC Symbol;Acc:HGNC:43	chr9:13126	NM_00100	XM_01151	.	.	NP_00100	XP_00671	protein_co	ENSG0000	2733	4315
GLG1	67.2171	72.0826	78.4148	66.961	66.6204	86.5567	golgi glycoprotein 1 [Source:HGNC Symbol;Acc:HGNC:4316]	chr16:7448	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	2734	4316
GLI1	0.870791	0.760525	1.08184	0.839834	0.929415	1.04105	GLI family zinc finger 1 [Source:HGNC Symbol;Acc:HGNC:4317]	chr12:5785	NM_00116	XM_01153	.	.	NP_00115	XP_00526	protein_co	ENSG0000	2735	4317
GLI2	1.55368	1.44379	1.55526	1.3647	1.07296	0.835108	GLI family zinc finger 2 [Source:HGNC Symbol;Acc:HGNC:4318]	chr2:12154	NM_00527	XM_01151	.	.	NP_00526	XP_00671	protein_co	ENSG0000	2736	4318
GLI3	0	0	0	0	0	0	GLI family zinc finger 3 [Source:HGNC Symbol;Acc:HGNC:4319]	chr7:4200	NM_00016	XM_01151	.	.	NP_00015	XP_00524	protein_co	ENSG0000	2737	4319
GLI4	21.9127	23.3211	25.9756	21.3231	18.9281	21.2826	GLI family zinc finger 4 [Source:HGNC Symbol;Acc:HGNC:4320]	chr8:14432	NM_13846	.	.	.	NP_61247	.	protein_co	ENSG0000	2738	4320
GLIPR1	0.173155	0.086858	0.081543	0.937841	0.759343	0.35601	GLI pathogenesis related 1 [Source:HGNC Symbol;Acc:HGNC:170	chr12:7587	NM_00685	XM_01153	.	.	NP_00684	XP_01153	protein_co	ENSG0000	11010	17001
GLIPR1L1	0	0.114806	0	0.122653	0	0	GLI pathogenesis related 1 like 1 [Source:HGNC Symbol;Acc:HGN	chr12:7572	NM_0013	.	.	.	NP_00129	.	protein_co	ENSG0000	256710	28392
GLIPR1L2	0.457522	0.187812	0.225665	0.090683	0.428705	0.10918	GLI pathogenesis-related 1 like 2 [Source:HGNC Symbol;Acc:HGN	chr12:7578	NM_00127	XM_01153	.	.	NP_00125	XP_01153	protein_co	ENSG0000	144321	28592
GLIPR2	15.9148	15.278	18.3981	21.2407	18.5576	17.1516	GLI pathogenesis related 2 [Source:HGNC Symbol;Acc:HGNC:180	chr9:36136	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	152007	18007
GLIS1	0.213916	0.136923	0.393372	0.074673	0.168127	0.328683	GLIS family zinc finger 1 [Source:HGNC Symbol;Acc:HGNC:29525]	chr1:5397	NM_14719	XM_01700	.	.	NP_67172	XP_01685	protein_co	ENSG0000	148979	29525
GLIS2	5.46183	6.2618	6.27116	5.41021	5.1242	4.05999	GLIS family zinc finger 2 [Source:HGNC Symbol;Acc:HGNC:29450]	chr16:4364	NM_00131	XM_00525	.	.	NP_00130	XP_00525	protein_co	ENSG0000	84662	29450
GLIS3	0.789276	1.07894	1.07407	0.14553	0.363869	0.331483	GLIS family zinc finger 3 [Source:HGNC Symbol;Acc:HGNC:28510]	chr9:3824	NM_00104	XM_01151	.	.	NP_00103	XP_00525	protein_co	ENSG0000	169792	28510
GLMN	4.5379	3.47846	5.07064	4.23378	6.95244	7.17611	glomulin, FKBP associated protein [Source:HGNC Symbol;Acc:HG	chr1:9271	NM_05327	XM_01154	.	.	NP_00130	XP_00527	protein_co	ENSG0000	11146	14373
GLMP	21.0401	23.5408	21.2017	18.7218	16.8186	15.3245	glycosylated lysosomal membrane protein [Source:HGNC Symbol	chr1:15626	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	112770	29436
GLO1	140.815	141.176	164.956	176.941	207.297	237.188	glyoxalase I [Source:HGNC Symbol;Acc:HGNC:4323]	chr6:38643	NM_0067	.	.	.	NP_00669	.	protein_co	ENSG0000	2739	4323
GLOD4	57.6948	58.1746	54.5089	69.2141	64.1903	53.0797	glyoxalase domain containing 4 [Source:HGNC Symbol;Acc:HGNC	chr17:6623	NM_01608	XM_00672	.	.	NP_05716	XP_00672	protein_co	ENSG0000	51031	14111
GLOD5	0	0	0	0.106209	0	0.203695	glyoxalase domain containing 5 [Source:HGNC Symbol;Acc:HGNC	chrX:4862	NM_00108	XM_01154	.	.	NP_00107	XP_01154	protein_co	ENSG0000	392465	33358
GLP1R	0	0	0	0	0	0	glucagon like peptide 1 receptor [Source:HGNC Symbol;Acc:HGN	chr6:39016	NM_00206	.	.	.	NP_00205	XP_01686	protein_co	ENSG0000	2740	4324
GLP2R	0.016879	0	0	0.01871	0	0	glucagon like peptide 2 receptor [Source:HGNC Symbol;Acc:HGN	chr17:9725	NM_00424	XM_01702	.	.	NP_00423	XP_00525	protein_co	ENSG0000	9340	4325
GLRA1	0	0	0	0	0	0	glycine receptor alpha 1 [Source:HGNC Symbol;Acc:HGNC:4326]	chr5:1512	NM_00017	.	.	.	NP_00016	XP_01686	protein_co	ENSG0000	2741	4326
GLRA2	0	0	0	0	0	0	glycine receptor alpha 2 [Source:HGNC Symbol;Acc:HGNC:4327]	chrX:1454	NM_00111	XM_01154	.	.	NP_00111	XP_00672	protein_co	ENSG0000	2742	4327
GLRA3	0	0	0	0	0	0	glycine receptor alpha 3 [Source:HGNC Symbol;Acc:HGNC:4328]	chr4:1755	NM_00104	XM_01153	.	.	NP_00103	XP_01686	protein_co	ENSG0000	8001	4328
GLRA4	0	0	0	0	0	0	glycine receptor alpha 4 [Source:HGNC Symbol;Acc:HGNC:31715]	chrX:10296	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	441509	31715
GLRB	0	0	0	0	0	0	glycine receptor beta [Source:HGNC Symbol;Acc:HGNC:4329]	chr4:15799	NM_00082	XM_01153	.	.	NP_00081	XP_01686	protein_co	ENSG0000	2743	4329
GLRX	30.5317	28.023	30.9042	29.326	23.3682	35.8136	glutaredoxin [Source:HGNC Symbol;Acc:HGNC:4330]	chr5:9506	NM_00111	.	.	.	NP_00111	.	protein_co	ENSG0000	2745	4330
GLRX2	21.3072	18.3835	19.2206	23.3965	23.0365	27.3892	glutaredoxin 2 [Source:HGNC Symbol;Acc:HGNC:16065]	chr1:19306	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	51022	16065
GLRX3	43.6021	40.7922	41.5404	55.8599	45.6564	42.4415	glutaredoxin 3 [Source:HGNC Symbol;Acc:HGNC:15987]	chr10:1319	NM_00119	XM_01701	.	.	NP_00118	XP_01687	protein_co	ENSG0000	10539	15987
GLRX5	52.3757	52.6929	51.7033	82.4356	74.8713	64.6138	glutaredoxin 5 [Source:HGNC Symbol;Acc:HGNC:20134]	chr14:9600	NM_01641	.	.	.	NP_05750	.	protein_co	ENSG0000	51218	20134
GLS	19.4382	23.3159	26.0197	24.3749	26.5288	32.5553	glutaminase [Source:HGNC Symbol;Acc:HGNC:4331]	chr2:19174	NM_00125	XM_00671	.	.	NP_00124	XP_00524	protein_co	ENSG0000	2744	4331
GLS2	0.031505	0	0	0	0.036136	0	glutaminase 2 [Source:HGNC Symbol;Acc:HGNC:29570]	chr12:5668	NM_00128	XM_01701	.	.	NP_00126	XP_00526	protein_co	ENSG0000	27165	29570
GLT1D1	0	0	0	0	0	0	glycosyltransferase 1 domain containing 1 [Source:HGNC Symbol	chr12:1293	NM_14466	XM_01153	.	.	NP_65327	XP_00525	protein_co	ENSG0000	144423	26483
GLT6D1	0	0.11423	0	0	0	0	glycosyltransferase 6 domain containing 1 [Source:HGNC Symbol	chr9:13851	NM_18297	XM_01151	.	.	NP_89201	XP_01151	protein_co	ENSG0000	360203	23671
GLT8D1	23.7072	23.8052	23.8806	18.3493	22.0371	23.4764	glycosyltransferase 8 domain containing 1 [Source:HGNC Symbol	chr3:5271	NM_00101	.	.	.	NP_00101	XP_01686	protein_co	ENSG0000	55830	24870

GLT8D2	3.74994	2.71959	2.51217	2.73562	2.81843	3.00759	glycosyltransferase 8 domain containing 2 [Source:HGNC Symbol	chr12:1043	NM_03130	XM_01153	.	.	NP_00130	XP_00526	protein_co	ENSG0000	83468	24890
GLTP	19.1648	20.3388	19.9612	20.5408	19.7092	20.2749	glycolipid transfer protein [Source:HGNC Symbol;Acc:HGNC:2486	chr12:1102	NM_01643	XM_01153	.	.	NP_05751	XP_01153	protein_co	ENSG0000	51228	24867
GLTPD2	0	0	0	0	0	0	glycolipid transfer protein domain containing 2 [Source:HGNC Sy	chr17:4692	NM_00101	XM_00525	.	.	NP_00101	XP_00525	protein_co	ENSG0000	388323	33756
GLTSCR1	2.59331	3.12656	2.36451	2.66343	2.54294	2.96837	glioma tumor suppressor candidate region gene 1 [Source:HGNC	chr19:4811	NM_01571	XM_01152	.	.	NP_05652	XP_00525	protein_co	ENSG0000	29998	4332
GLTSCR1L	5.62994	5.82847	5.63106	4.27569	5.01068	6.23936	GLTSCR1 like [Source:HGNC Symbol;Acc:HGNC:21111]	chr6:42714	NM_00131	XM_00524	.	.	NP_00130	XP_00524	protein_co	ENSG0000	23506	21111
GLTSCR2	152.195	148.506	174.913	112.682	93.7881	138.428	glioma tumor suppressor candidate region gene 2 [Source:HGNC	chr19:4824	NM_01571	.	.	.	NP_05652	.	protein_co	ENSG0000	29997	4333
GLUD1	57.8394	59.4817	64.4895	66.8222	64.4825	79.9577	glutamate dehydrogenase 1 [Source:HGNC Symbol;Acc:HGNC:43	chr10:8881	NM_00527	XM_01153	.	.	NP_00526	.	protein_co	ENSG0000	2746	4335
GLUD2	7.18643	7.0726	8.45124	6.85471	9.04804	9.93724	glutamate dehydrogenase 2 [Source:HGNC Symbol;Acc:HGNC:43	chrX:12018	NM_01208	.	.	.	NP_03621	.	protein_co	ENSG0000	2747	4336
GLUL	55.2668	53.4613	57.3628	70.8176	62.2372	66.0345	glutamate-ammonia ligase [Source:HGNC Symbol;Acc:HGNC:434	chr1:18235	NM_00103	XM_00671	.	.	NP_00102	XP_006711	protein_co	ENSG0000	2752	4341
GLYAT	0	0	0	0	0	0	glycine-N-acyltransferase [Source:HGNC Symbol;Acc:HGNC:1373	chr11:5847	NM_00583	.	.	.	NP_00582	.	protein_co	ENSG0000	10249	13734
GLYATL1	0.075064	0.078391	0.065893	0.047443	0.094132	0.076075	glycine-N-acyltransferase like 1 [Source:HGNC Symbol;Acc:HGNC	chr11:5869	NM_00122	XM_01154	.	XR_132895	NP_00120	XP_011543	protein_co	ENSG0000	100287413	30519
GLYATL1P3	0	0	0	0	0	0	glycine-N-acyltransferase like 1 pseudogene 3 [Source:HGNC Sym	chr11:5885	.	.	.	.	.	.	protein_co	ENSG0000	.	37865
GLYATL2	0	0	0	0	0	0	glycine-N-acyltransferase like 2 [Source:HGNC Symbol;Acc:HGNC	chr11:5860	NM_14501	XM_01701	.	.	NP_65945	XP_011543	protein_co	ENSG0000	219970	24178
GLYATL3	0	0	0	0	0	0	glycine-N-acyltransferase like 3 [Source:HGNC Symbol;Acc:HGNC	chr6:49467	NM_00101	XM_01151	.	.	NP_00101	XP_011512	protein_co	ENSG0000	389396	21349
GLYCTK	3.39344	4.50302	2.27301	2.37929	1.39754	1.12712	glycerate kinase [Source:HGNC Symbol;Acc:HGNC:24247]	chr3:52321	NM_00114	XM_00526	.	.	NP_00113	XP_005264	protein_co	ENSG0000	132158	24247
GLYR1	19.6084	19.0437	17.6259	19.9314	19.5751	15.6347	glyoxylate reductase 1 homolog [Source:HGNC Symbol;Acc:HGNC	chr16:4853	NM_00130	XM_01702	.	.	NP_00129	XP_005255	protein_co	ENSG0000	84656	24434
GM2A	16.7492	15.8141	17.1144	14.4566	15.2946	20.3601	GM2 ganglioside activator [Source:HGNC Symbol;Acc:HGNC:4367	chr5:15063	NM_00040	.	.	.	NP_00039	.	protein_co	ENSG0000	2760	4367
GMCL1	6.44321	7.02395	7.57327	7.35593	7.64449	9.60015	germ cell-less, spermatogenesis associated 1 [Source:HGNC Symb	chr2:70056	NM_17843	XM_01153	.	.	NP_84852	XP_011531	protein_co	ENSG0000	64395	23843
GMDS	10.7939	10.3241	10.7196	12.4007	8.03745	11.8413	GDP-mannose 4,6-dehydratase [Source:HGNC Symbol;Acc:HGNC	chr6:16240	NM_00125	XM_01151	.	.	NP_00124	XP_011512	protein_co	ENSG0000	2762	4369
GMEB1	5.16158	4.81381	4.89947	4.60487	5.13126	6.22276	glucocorticoid modulatory element binding protein 1 [Source:HG	chr1:28995	NM_00658	XM_01154	.	.	NP_00130	XP_011538	protein_co	ENSG0000	10691	4370
GMEB2	6.852	6.93429	5.93896	7.44157	6.88759	7.27802	glucocorticoid modulatory element binding protein 2 [Source:HG	chr20:6221	NM_01238	XM_01152	.	.	NP_03651	XP_005260	protein_co	ENSG0000	26205	4371
GMFB	18.4907	19.4116	20.0886	19.7309	22.5818	30.1826	glia maturation factor beta [Source:HGNC Symbol;Acc:HGNC:437	chr14:5494	NM_00412	XM_00526	.	.	NP_00411	.	protein_co	ENSG0000	2764	4373
GMFG	0.277249	0	0.342903	0.174895	0.427594	0	glia maturation factor gamma [Source:HGNC Symbol;Acc:HGNC:4	chr19:3981	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	9535	4374
GMIP	4.54878	4.60883	6.44563	5.32577	4.61859	5.31459	GEM interacting protein [Source:HGNC Symbol;Acc:HGNC:24852	chr19:1974	NM_00128	XM_01152	.	.	NP_00127	XP_00525	protein_co	ENSG0000	51291	24852
GML	0	0	0	0	0	0	glycosylphosphatidylinositol anchored molecule like [Source:HGN	chr8:14391	NM_00206	XM_01151	.	.	NP_00205	XP_011515	protein_co	ENSG0000	2765	4375
GMNC	0.027045	0.14586	0.070214	0.246463	0.119289	0.184257	geminin coiled-coil domain containing [Source:HGNC Symbol;Acc	chr3:19057	NM_00114	.	.	.	NP_00114	.	protein_co	ENSG0000	647309	40049
GMNN	48.5761	43.8859	41.3548	64.4251	62.3297	45.0964	geminin, DNA replication inhibitor [Source:HGNC Symbol;Acc:HG	chr6:24775	NM_00125	XM_00524	.	.	NP_00123	XP_005249	protein_co	ENSG0000	51053	17493
GMPPA	43.879	44.72	40.9915	49.0953	38.247	30.6618	GDP-mannose pyrophosphorylase A [Source:HGNC Symbol;Acc:H	chr2:22036	NM_01333	XM_01700	.	.	NP_03746	XP_005246	protein_co	ENSG0000	29926	22923
GMPPB	17.3969	18.3319	13.9283	18.4336	17.2902	11.7368	GDP-mannose pyrophosphorylase B [Source:HGNC Symbol;Acc:H	chr3:49726	NM_01333	.	.	.	NP_03746	.	protein_co	ENSG0000	29925	22932
GMPR	10.5434	10.9833	13.2686	13.9133	12.0136	10.9361	guanosine monophosphate reductase [Source:HGNC Symbol;Acc	chr6:16238	NM_00687	XM_01151	.	.	NP_00686	XP_011512	protein_co	ENSG0000	2766	4376
GMPR2	44.9824	45.2971	46.3846	41.578	37.9027	35.1839	guanosine monophosphate reductase 2 [Source:HGNC Symbol;A	chr14:2468	NM_00100	XM_00672	.	.	NP_00100	XP_005267	protein_co	ENSG0000	51292	4377
GMPS	43.0952	40.4041	42.5129	51.9524	48.9694	45.8687	guanine monophosphate synthase [Source:HGNC Symbol;Acc:HG	chr3:15558	NM_00387	XM_01700	.	.	NP_00386	XP_011511	protein_co	ENSG0000	8833	4378
GNA11	32.7419	33.1061	27.9999	38.6378	34.7453	31.6879	G protein subunit alpha 11 [Source:HGNC Symbol;Acc:HGNC:437	chr19:3094	NM_00206	.	.	.	NP_00205	.	protein_co	ENSG0000	2767	4379
GNA12	23.7515	23.1473	23.8505	23.9872	24.0332	21.035	G protein subunit alpha 12 [Source:HGNC Symbol;Acc:HGNC:438	chr7:27677	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	2768	4380
GNA13	21.2393	20.2292	21.3475	17.8526	26.3862	27.7487	G protein subunit alpha 13 [Source:HGNC Symbol;Acc:HGNC:438	chr17:6300	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	10672	4381
GNA14	0.033785	0.069863	0.087601	0.075254	0.076634	0.069012	G protein subunit alpha 14 [Source:HGNC Symbol;Acc:HGNC:438	chr9:80037	NM_00429	.	.	.	NP_00428	.	protein_co	ENSG0000	9630	4382
GNA15	0.107009	0.069695	0.462522	0.229248	0.417961	0.277832	G protein subunit alpha 15 [Source:HGNC Symbol;Acc:HGNC:438	chr19:3136	NM_00206	.	.	.	NP_00205	.	protein_co	ENSG0000	2769	4383
GNAI1	63.7699	61.3388	56.3707	73.2185	90.1389	69.2779	G protein subunit alpha i1 [Source:HGNC Symbol;Acc:HGNC:4384	chr7:79764	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	2770	4384
GNAI2	92.1176	91.8731	97.7892	105.66	90.6941	100.576	G protein subunit alpha i2 [Source:HGNC Symbol;Acc:HGNC:4385	chr3:50263	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	2771	4385
GNAI3	5.54621	5.52918	5.88321	5.96698	6.19021	6.89784	G protein subunit alpha i3 [Source:HGNC Symbol;Acc:HGNC:4387	chr1:11009	NM_00649	.	NR_02958	.	NP_00648	.	protein_co	ENSG0000	406974	4387
GNAL	1.77861	1.93106	2.78212	1.44436	1.86003	2.28937	G protein subunit alpha L [Source:HGNC Symbol;Acc:HGNC:4388]	chr18:1168	NM_00114	XM_01152	.	.	NP_00113	XP_006722	protein_co	ENSG0000	2774	4388
GNAO1	0	0	0	0	0	0	G protein subunit alpha o1 [Source:HGNC Symbol;Acc:HGNC:438	chr16:5622	NM_02098	.	.	.	NP_06626	.	protein_co	ENSG0000	2775	4389
GNAQ	8.2822	9.35596	9.26404	7.17267	10.2427	13.4301	G protein subunit alpha q [Source:HGNC Symbol;Acc:HGNC:4390]	chr9:80331	NM_00207	.	.	.	NP_00206	.	protein_co	ENSG0000	2776	4390
GNAS	308.27	311.17	300.088	341.176	305.896	336.149	GNAS complex locus [Source:HGNC Symbol;Acc:HGNC:4392]	chr20:5741	NM_00051	XM_01702	NR_13227	.	NP_00050	XP_016883	protein_co	ENSG0000	2778	4392
GNAT1	0.086189	0.083757	0.200332	0	0.067719	0	G protein subunit alpha transducin 1 [Source:HGNC Symbol;Acc:H	chr3:50229	NM_00017	.	.	.	NP_00016	.	protein_co	ENSG0000	2779	4393
GNAT2	0.182145	0.141566	0.159378	0.150888	0.361437	0.282761	G protein subunit alpha transducin 2 [Source:HGNC Symbol;Acc:H	chr1:11009	NM_00527	XM_01154	.	.	NP_00526	XP_011539	protein_co	ENSG0000	2780	4394
GNAT3	0	0	0	0	0	0	G protein subunit alpha transducin 3 [Source:HGNC Symbol;Acc:H	chr7:79998	NM_00110	XM_01151	.	.	NP_00109	XP_011514	protein_co	ENSG0000	346562	22800
GNAZ	5.98132	5.27284	6.73718	4.75888	4.95016	6.28809	G protein subunit alpha z [Source:HGNC Symbol;Acc:HGNC:4395]	chr22:2340	NM_00207	.	.	.	NP_00206	.	protein_co	ENSG0000	2781	4395
GNB1	145.462	148.009	135.464	148.818	154.314	170.204	G protein subunit beta 1 [Source:HGNC Symbol;Acc:HGNC:4396]	chr1:17167	NM_00128	XM_01700	.	.	NP_00126	XP_016856	protein_co	ENSG0000	2782	4396
GNB1L	7.95967	6.24118	7.19398	8.21693	6.75593	6.9568	G protein subunit beta 1 like [Source:HGNC Symbol;Acc:HGNC:43	chr22:1974	NM_05300	.	.	.	NP_44373	.	protein_co	ENSG0000	54584	4397
GNB2	152.693	153.101	140.018	189.116	159.137	130.601	G protein subunit beta 2 [Source:HGNC Symbol;Acc:HGNC:4398]	chr7:10027	NM_00527	.	.	.	NP_00526	.	protein_co	ENSG0000	2783	4398
GNB3	1.63094	1.73165	1.22762	1.41355	1.44218	1.32336	G protein subunit beta 3 [Source:HGNC Symbol;Acc:HGNC:4400]	chr12:6949	NM_00129	XM_01152	.	.	NP_00128	XP_011519	protein_co	ENSG0000	2784	4400
GNB4	0	0	0	0	0	0	G protein subunit beta 4 [Source:HGNC Symbol;Acc:HGNC:20731	chr3:17911	NM_02162	XM_00671	.	.	NP_06764	XP_005247	protein_co	ENSG0000	59345	20731
GNB5	13.7573	14.6989	15.1102	17.6779	14.6195	14.1083	G protein subunit beta 5 [Source:HGNC Symbol;Acc:HGNC:4401]	chr15:5240	NM_00657	XM_01152	.	.	NP_00656	XP_011519	protein_co	ENSG0000	10681	4401
GNE	3.48928	3.94119	5.44421	4.2022	4.32151	4.56317	glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine	chr9:36214	NM_00112	XM_01701	.	.	NP_00112	XP_005251	protein_co	ENSG0000	10020	23657
GNG10	32.3824	32.8991	36.2189	26.18	24.9077	31.0691	G protein subunit gamma 10 [Source:HGNC Symbol;Acc:HGNC:44	chr9:11439	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	2790	4402
GNG11	0	0.066558	0	0	0	0.030483	G protein subunit gamma 11 [Source:HGNC Symbol;Acc:HGNC:44	chr7:93551	NM_00412	.	.	.	NP_00411	.	protein_co	ENSG0000	2791	4403
GNG12	34.3559	36.1311	36.1762	36.2003	41.7504	50.8142	G protein subunit gamma 12 [Source:HGNC Symbol;Acc:HGNC:19	chr1:68167	NM_01884	XM_01700	.	.	NP_06132	XP_016857	protein_co	ENSG0000	55970	19663
GNG13	0.192532	0.094807	1.56951	0.203227	0.112485	0.325933	G protein subunit gamma 13 [Source:HGNC Symbol;Acc:HGNC:14	chr16:8349	NM_01654	.	.	.	NP_05762	.	protein_co	ENSG0000	51764	14131

GNG2	0.521952	0.351644	1.20873	0.717467	1.03852	1.18479	G protein subunit gamma 2 [Source:HGNC Symbol;Acc:HGNC:440	chr14:5229	NM_00124	XM_01702	.	.	NP_001230	XP_006720	protein_co	ENSG0000	54331	4404
GNG3	0	0	0	0	0.122223	0	G protein subunit gamma 3 [Source:HGNC Symbol;Acc:HGNC:440	chr11:6245	NM_01220	XM_00671	.	.	NP_036334	XP_006718	protein_co	ENSG0000	2785	4405
GNG4	5.13759	6.81678	7.8076	8.76728	6.4935	8.38838	G protein subunit gamma 4 [Source:HGNC Symbol;Acc:HGNC:440	chr1:23571	NM_00109	XM_01154	.	.	NP_001092	XP_006711	protein_co	ENSG0000	2786	4407
GNG5	139.142	110.862	121.656	195.427	210.691	208.883	G protein subunit gamma 5 [Source:HGNC Symbol;Acc:HGNC:440	chr1:84964	NM_00527	.	.	.	NP_005265	.	protein_co	ENSG0000	2787	4408
GNG7	5.07621	4.98832	6.29828	6.3426	6.31753	7.24062	G protein subunit gamma 7 [Source:HGNC Symbol;Acc:HGNC:441	chr19:2511	NM_05284	XM_01702	.	.	NP_443079	XP_016882	protein_co	ENSG0000	2788	4410
GNG8	0	0	0	0	0	0	G protein subunit gamma 8 [Source:HGNC Symbol;Acc:HGNC:196	chr19:4713	NM_03325	.	.	.	NP_150283	XP_016882	protein_co	ENSG0000	94235	19664
GNGT1	0.323002	0.157452	0.607528	0.210397	0.338707	1.08785	G protein subunit gamma transducin 1 [Source:HGNC Symbol;Acc	chr7:93220	NM_00132	.	.	.	NP_001316	.	protein_co	ENSG0000	2792	4411
GNGT2	0	0	0.189868	0.165707	0	0.079576	G protein subunit gamma transducin 2 [Source:HGNC Symbol;Acc	chr17:4728	NM_00119	XM_00672	.	.	NP_001185	XP_006721	protein_co	ENSG0000	2793	4412
GNL1	15.0324	16.7202	17.1431	18.0467	16.2109	14.6833	G protein nucleolar 1 (putative) [Source:HGNC Symbol;Acc:HGNC	chr6:30509	NM_00527	XM_00524	.	.	NP_005266	XP_005249	protein_co	ENSG0000	2794	4413
GNL2	52.7591	47.7567	46.3817	52.2352	50.6025	40.0704	G protein nucleolar 2 [Source:HGNC Symbol;Acc:HGNC:29925]	chr1:38022	NM_01328	XM_01154	.	.	NP_037417	.	protein_co	ENSG0000	29889	29925
GNL3	143.311	139.946	128.408	167.396	156.078	119.934	G protein nucleolar 3 [Source:HGNC Symbol;Acc:HGNC:29931]	chr3:52719	NM_01436	.	.	.	NP_055181	.	protein_co	ENSG0000	26354	29931
GNL3L	11.1146	12.2538	12.2183	13.6213	13.1455	13.3801	G protein nucleolar 3 like [Source:HGNC Symbol;Acc:HGNC:25553	chrX:54556	NM_00118	XM_01153	.	.	NP_001171	XP_011529	protein_co	ENSG0000	54552	25553
GNLY	0	0	0	0	0	0.109334	granulysin [Source:HGNC Symbol;Acc:HGNC:4414]	chr2:85921	NM_00130	.	.	.	NP_001289	.	protein_co	ENSG0000	10578	4414
GNMT	0.140233	0.069839	0.301825	0	0	0.152707	glycine N-methyltransferase [Source:HGNC Symbol;Acc:HGNC:44	chr6:42928	NM_01896	.	.	.	NP_001305	.	protein_co	ENSG0000	27232	4415
GNPAT	24.1861	22.5209	33.8069	21.72	23.6321	26.0752	glyceronephosphate O-acyltransferase [Source:HGNC Symbol;Acc	chr1:23137	NM_01423	XM_01154	.	.	NP_055051	XP_005273	protein_co	ENSG0000	8443	4416
GNPDA1	45.3092	46.7943	52.7571	55.9479	53.1953	40.9338	glucosamine-6-phosphate deaminase 1 [Source:HGNC Symbol;Ac	chr5:14137	NM_00547	XM_01153	.	.	NP_005462	XP_005268	protein_co	ENSG0000	10007	4417
GNPDA2	8.2113	9.28815	10.0769	9.66398	9.68682	11.1043	glucosamine-6-phosphate deaminase 2 [Source:HGNC Symbol;Ac	chr4:44703	NM_00127	XM_01151	.	.	NP_001257	.	protein_co	ENSG0000	132789	21526
GNPNAT1	18.7153	19.6574	17.0592	19.1052	21.7652	21.3588	glucosamine-phosphate N-acetyltransferase 1 [Source:HGNC Sym	chr14:5324	NM_19806	XM_00672	.	.	NP_932332	XP_005268	protein_co	ENSG0000	64841	19980
GNPTAB	15.8053	15.767	17.1068	15.5355	18.6684	18.3585	N-acetylglucosamine-1-phosphate transferase alpha and beta sub	chr12:1021	NM_02431	XM_01701	.	.	NP_077288	XP_006719	protein_co	ENSG0000	79158	29670
GNPTG	18.6856	19.4411	18.9591	19.5423	15.3553	12.0726	N-acetylglucosamine-1-phosphate transferase gamma subunit [So	chr16:1401	NM_03252	.	.	.	NP_115909	XP_016879	protein_co	ENSG0000	84572	23026
GNRH1	1.06495	1.03338	1.24079	1.15546	2.26606	2.26622	gonadotropin releasing hormone 1 [Source:HGNC Symbol;Acc:HG	chr8:25276	NM_00082	.	.	.	NP_000816	.	protein_co	ENSG0000	2796	4419
GNRH2	0.108141	0.754226	0.093774	0.389582	0.984529	0.630397	gonadotropin releasing hormone 2 [Source:HGNC Symbol;Acc:HG	chr20:3024	NM_00131	.	.	.	NP_001297	XP_016883	protein_co	ENSG0000	2797	4420
GNRHR	0	0	0	0	0	0	gonadotropin releasing hormone receptor [Source:HGNC Symbol;	chr4:68605	NM_00040	.	.	.	NP_000397	.	protein_co	ENSG0000	2798	4421
GNS	23.0507	23.4625	26.9893	19.4561	21.4335	24.8896	glucosamine (N-acetyl)-6-sulfatase [Source:HGNC Symbol;Acc:HG	chr12:6510	NM_00207	.	.	.	NP_002067	.	protein_co	ENSG0000	2799	4422
GOLGA1	5.95647	5.82155	5.001	5.44866	5.53223	4.89458	golgin A1 [Source:HGNC Symbol;Acc:HGNC:4424]	chr9:12764	NM_00207	XM_00671	.	.	NP_002068	XP_005251	protein_co	ENSG0000	2800	4424
GOLGA2	23.5703	25.5534	17.4545	17.2521	16.0252	20.1322	golgin A2 [Source:HGNC Symbol;Acc:HGNC:4425]	chr9:13101	NM_00448	XM_00525	.	.	NP_004477	XP_005251	protein_co	ENSG0000	2801	4425
GOLGA3	12.0101	12.1446	9.92353	9.55453	10.2496	8.70962	golgin A3 [Source:HGNC Symbol;Acc:HGNC:4426]	chr12:1333	NM_00589	XM_01153	.	.	NP_005886	XP_005266	protein_co	ENSG0000	2802	4426
GOLGA4	14.8013	14.617	16.3769	12.4755	18.0357	14.548	golgin A4 [Source:HGNC Symbol;Acc:HGNC:4427]	chr3:37284	NM_00117	XM_01700	.	.	NP_001166	XP_005265	protein_co	ENSG0000	2803	4427
GOLGA5	15.8068	15.69	13.898	12.4715	13.3487	14.7383	golgin A5 [Source:HGNC Symbol;Acc:HGNC:4428]	chr14:9326	NM_00511	XM_01153	.	.	NP_005104	XP_011535	protein_co	ENSG0000	9950	4428
GOLGA6A	0	0	0.01585	0	0	0.019237	golgin A6 family member A [Source:HGNC Symbol;Acc:HGNC:135	chr15:7436	NM_00103	XM_01152	.	.	NP_001033	.	protein_co	ENSG0000	342096	13567
GOLGA6B	0	0	0	0	0	0	golgin A6 family member B [Source:HGNC Symbol;Acc:HGNC:322	chr15:7294	NM_01865	XM_01152	.	.	NP_061122	.	protein_co	ENSG0000	55889	32205
GOLGA6C	0	0	0	0	0	0	golgin A6 family member C [Source:HGNC Symbol;Acc:HGNC:322	chr15:7555	NM_00116	.	.	.	NP_001157	.	protein_co	ENSG0000	653641	32206
GOLGA6D	0	0	0.020605	0	0.020671	0	golgin A6 family member D [Source:HGNC Symbol;Acc:HGNC:322	chr15:7555	NM_00114	.	.	.	NP_001138	.	protein_co	ENSG0000	653643	32204
GOLGA6L10	0	0	0.027944	0	0	0	golgin A6 family-like 10 [Source:HGNC Symbol;Acc:HGNC:37228]	chr15:8263	NM_00116	XM_00672	.	.	NP_001157	XP_006725	protein_co	ENSG0000	100133220	37228
GOLGA6L2	0	0	0	0	0	0	golgin A6 family-like 2 [Source:HGNC Symbol;Acc:HGNC:26695]	chr15:2368	NM_00130	.	.	.	NP_001291	.	protein_co	ENSG0000	283685	26695
GOLGA6L22	0	0	0	0	0	0	golgin A6 family-like 22 [Source:HGNC Symbol;Acc:HGNC:50289]	chr15:2273	NM_00127	XM_01154	.	.	.	XP_011542	protein_co	ENSG0000	102723623	50289
GOLGA6L4	0.218894	0.372221	0.299099	0.267919	0.201921	0.235367	golgin A6 family-like 4 [Source:HGNC Symbol;Acc:HGNC:27256]	chr15:8490	NM_00126	.	.	.	NP_001254	XP_016877	protein_co	ENSG0000	643707	27256
GOLGA6L6	0	0	0	0	0	0	golgin A6 family-like 6 [Source:HGNC Symbol;Acc:HGNC:37225]	chr15:2073	NM_00114	.	.	.	NP_001138	.	protein_co	ENSG0000	727832	37225
GOLGA6L7P	0	0	0	0	0.044696	0	golgin A6 family-like 7, pseudogene [Source:HGNC Symbol;Acc:HG	chr15:2908	.	.	NR_04756	.	.	.	protein_co	ENSG0000	728310	37442
GOLGA6L9	0.418734	0.76398	0.540166	0.450652	0.448024	0.510869	golgin A6 family-like 9 [Source:HGNC Symbol;Acc:HGNC:37229]	chr15:8272	NM_19818	XM_01152	.	.	NP_937824	XP_011519	protein_co	ENSG0000	440295	37229
GOLGA7	27.0045	24.1619	24.9991	20.882	20.5526	27.4156	golgin A7 [Source:HGNC Symbol;Acc:HGNC:24876]	chr8:41347	NM_00100	.	.	.	NP_001002	.	protein_co	ENSG0000	51125	24876
GOLGA7B	0.850377	0.827011	0.566104	0.963983	0.754104	0.801288	golgin A7 family member B [Source:HGNC Symbol;Acc:HGNC:316	chr10:9960	NM_00101	.	.	.	NP_001010	.	protein_co	ENSG0000	401647	31668
GOLGA8A	5.03844	3.59687	4.96475	2.89461	4.50706	3.31945	golgin A8 family member A [Source:HGNC Symbol;Acc:HGNC:319	chr15:3467	NM_18107	XM_01702	.	.	NP_851422	XP_006720	protein_co	ENSG0000	23015	31972
GOLGA8B	5.43018	4.55706	6.99726	3.51417	4.24723	4.29498	golgin A8 family member B [Source:HGNC Symbol;Acc:HGNC:319	chr15:3481	NM_00102	XM_01152	NR_02740	.	NP_001018	XP_011519	protein_co	ENSG0000	440270	31973
GOLGA8F	0	0	0	0	0	0	golgin A8 family member F [Source:HGNC Symbol;Acc:HGNC:323	chr15:2862	.	.	.	.	.	.	protein_co	ENSG0000	.	32378
GOLGA8G	0	0	0	0	0	0	golgin A8 family member G [Source:HGNC Symbol;Acc:HGNC:253	chr15:2876	.	.	NR_03335	.	.	.	protein_co	ENSG0000	283768	25328
GOLGA8H	0.163696	0.249374	0.287807	0.298031	0.468912	0.348228	golgin A8 family member H [Source:HGNC Symbol;Acc:HGNC:374	chr15:3089	NM_00128	XM_01152	.	.	NP_001269	.	protein_co	ENSG0000	728498	37443
GOLGA8I	0.02742	0	0.011961	0.030879	0	0.02744	golgin A8 family, member I [Source:HGNC Symbol;Acc:26660]	chr15:2325	.	XM_00311	NR_02407	.	.	XP_005276	protein_co	ENSG0000	283796	26660
GOLGA8J	0	0	0	0	0	0	golgin A8 family member J [Source:HGNC Symbol;Acc:HGNC:3865	chr15:3037	NM_00128	XM_00672	.	.	NP_001269	XP_006720	protein_co	ENSG0000	653073	38650
GOLGA8K	0.303058	0.308136	0.048453	0.120519	0.220721	0.146289	golgin A8 family member K [Source:HGNC Symbol;Acc:HGNC:386	chr15:3268	NM_00128	.	.	.	NP_001269	.	protein_co	ENSG0000	653125	38652
GOLGA8M	0	0	0	0	0.031136	0	golgin A8 family member M [Source:HGNC Symbol;Acc:HGNC:444	chr15:2894	NM_00128	XM_01152	.	.	NP_001269	XP_005268	protein_co	ENSG0000	653720	44404
GOLGA8N	0.149676	0.042955	0.166097	0.137917	0.076119	0.149875	golgin A8 family member N [Source:HGNC Symbol;Acc:HGNC:444	chr15:3288	NM_00128	XM_01699	.	.	NP_001269	XP_016855	protein_co	ENSG0000	107984057	44405
GOLGA8O	0.078634	0.053215	0.161416	0.172043	0.030049	0.055809	golgin A8 family member O [Source:HGNC Symbol;Acc:HGNC:444	chr15:3273	NM_00127	XM_01152	.	.	NP_001264	XP_011520	protein_co	ENSG0000	728047	44406
GOLGA8Q	0	0	0	0	0	0	golgin A8 family member Q [Source:HGNC Symbol;Acc:HGNC:444	chr15:3084	.	.	.	.	.	.	protein_co	ENSG0000	728047	44408
GOLGA8R	0.054704	0.055581	0	0	0.031324	0.087285	golgin A8 family member R [Source:HGNC Symbol;Acc:HGNC:444	chr15:3069	NM_00128	.	.	.	NP_001269	XP_016855	protein_co	ENSG0000	107984057	44407
GOLGA8S	0	0	0	0	0	0	golgin A8 family member S [Source:HGNC Symbol;Acc:HGNC:444	chr15:2359	.	.	.	.	.	.	protein_co	ENSG0000	.	44409
GOLGA8T	0	0	0	0	0	0	golgin A8 family member T [Source:HGNC Symbol;Acc:HGNC:444	chr15:3042	.	.	.	.	.	.	protein_co	ENSG0000	.	44410
GOLGB1	10.1607	9.31976	9.84552	6.6219	7.6605	9.11244	golgin B1 [Source:HGNC Symbol;Acc:HGNC:4429]	chr3:12138	NM_00125	XM_01700	.	.	NP_001243	XP_005247	protein_co	ENSG0000	2804	4429
GOLIM4	4.85054	5.34132	4.41989	5.43168	5.68919	6.24179	golgi integral membrane protein 4 [Source:HGNC Symbol;Acc:HG	chr3:16772	NM_00130	XM_00524	.	.	NP_001295	XP_005247	protein_co	ENSG0000	27333	15448

GOLM1	45.849	46.7665	40.9008	45.6957	50.2313	41.9401	golgi membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:1545	chr9:8864	NM_01654	.	.	.	NP_05763	.	protein_co	ENSG0000	51280	15451
GOLPH3	37.3429	44.3969	39.3574	36.8741	38.6815	42.9893	golgi phosphoprotein 3 [Source:HGNC Symbol;Acc:HGNC:15452]	chr5:3212	NM_02213	.	.	.	NP_07141	.	protein_co	ENSG0000	64083	15452
GOLPH3L	11.9643	11.9876	11.881	10.4383	12.5691	13.3178	golgi phosphoprotein 3 like [Source:HGNC Symbol;Acc:HGNC:248	chr1:1506	NM_01817	XM_00671	.	.	NP_06064	XP_00671	protein_co	ENSG0000	55204	24882
GOLT1A	6.14604	6.41695	8.20904	5.48527	4.2809	4.35005	golgi transport 1A [Source:HGNC Symbol;Acc:HGNC:24766]	chr1:2041	NM_19844	.	.	.	NP_94084	XP_01685	protein_co	ENSG0000	127845	24766
GOLT1B	29.3249	53.3008	30.3417	27.2831	32.9011	29.7379	golgi transport 1B [Source:HGNC Symbol;Acc:HGNC:20175]	chr12:216	NM_01607	.	.	.	NP_05715	XP_01687	protein_co	ENSG0000	51026	20175
GON4L	7.13154	6.88442	7.29136	6.37301	6.97875	6.47508	gon-4 like [Source:HGNC Symbol;Acc:HGNC:25973]	chr1:1557	NM_00128	XM_01150	.	.	NP_00126	XP_00524	protein_co	ENSG0000	54856	25973
GOPC	12.4515	13.5709	13.4224	12.1101	16.1595	17.5679	golgi associated PDZ and coiled-coil motif containing [Source:HG	chr6:1176	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	57120	17643
GORAB	5.49076	4.55133	3.87375	3.8214	4.14025	4.4379	golgin, RAB6 interacting [Source:HGNC Symbol;Acc:HGNC:25676]	chr1:1705	NM_00114	XM_01151	.	.	NP_00113	XP_01150	protein_co	ENSG0000	92344	25676
GORASP1	14.0146	13.9548	15.977	13.7651	12.6523	11.4899	golgi reassembly stacking protein 1 [Source:HGNC Symbol;Acc:H	chr3:3913	NM_00127	XM_01153	.	.	NP_00126	XP_00671	protein_co	ENSG0000	64689	16769
GORASP2	43.9011	43.9005	45.0902	42.2016	41.8235	40.2762	golgi reassembly stacking protein 2 [Source:HGNC Symbol;Acc:H	chr2:1717	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	26003	17500
GOSR1	13.9706	17.683	12.9229	15.5668	16.6253	14.4632	golgi SNAP receptor complex member 1 [Source:HGNC Symbol;A	chr17:288	NM_00100	XM_00525	.	.	NP_00100	XP_00525	protein_co	ENSG0000	9527	4430
GOSR2	33.8528	35.4063	34.2405	35.5822	28.2434	20.8195	golgi SNAP receptor complex member 2 [Source:HGNC Symbol;A	chr17:450	NM_00101	XM_00525	.	.	NP_00101	XP_00525	protein_co	ENSG0000	9570	4431
GOT1	68.2921	68.4743	53.6508	78.1225	67.2832	133.388	glutamic-oxaloacetic transaminase 1 [Source:HGNC Symbol;Acc:H	chr10:101	NM_00207	.	.	.	NP_00207	.	protein_co	ENSG0000	2805	4432
GOT1L1	0	0	0	0	0	0	glutamic-oxaloacetic transaminase 1-like 1 [Source:HGNC Symbo	chr8:3779	NM_15241	XM_00671	.	.	NP_68962	XP_00527	protein_co	ENSG0000	137362	28487
GOT2	82.5946	83.1192	86.6399	103.288	89.6906	80.7222	glutamic-oxaloacetic transaminase 2 [Source:HGNC Symbol;Acc:H	chr16:587	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	2806	4433
GP1BA	0	0.031892	0	0	0.036084	0.033824	glycoprotein Ib platelet alpha subunit [Source:HGNC Symbol;Acc:	chr17:483	NM_00017	.	.	.	NP_00016	.	protein_co	ENSG0000	2811	4439
GP1BB	3.88413	4.37239	3.15871	5.21362	3.60805	5.10486	glycoprotein Ib platelet beta subunit [Source:HGNC Symbol;Acc:H	chr22:197	NM_00040	.	.	.	NP_00039	.	protein_co	ENSG0000	2812	4440
GP2	0	0	0	0	0	0	glycoprotein 2 [Source:HGNC Symbol;Acc:HGNC:4441]	chr16:203	NM_00100	XM_01702	.	.	NP_00100	XP_01687	protein_co	ENSG0000	2813	4441
GP5	0.03175	0.032132	0.053956	0.034807	0.036088	0.033369	glycoprotein V platelet [Source:HGNC Symbol;Acc:HGNC:4443]	chr3:1941	NM_00448	.	.	.	NP_00447	.	protein_co	ENSG0000	2814	4443
GP6	0	0.039468	0.033603	0.042622	0	0	glycoprotein VI platelet [Source:HGNC Symbol;Acc:HGNC:14388]	chr19:555	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	51206	14388
GP9	0	0	0	0	0	0	glycoprotein IX platelet [Source:HGNC Symbol;Acc:HGNC:4444]	chr3:1287	NM_00017	XM_01151	.	.	NP_00016	XP_00524	protein_co	ENSG0000	2815	4444
GPA33	0.174895	0.02533	0.173014	0.108616	0.057009	0.053267	glycoprotein A33 [Source:HGNC Symbol;Acc:HGNC:4445]	chr1:1670	NM_00581	.	.	.	NP_00580	.	protein_co	ENSG0000	10223	4445
GPAA1	64.4884	70.4634	63.0182	59.5289	52.3497	48.7643	glycosylphosphatidylinositol anchor attachment 1 [Source:HGNC	chr8:1451	NM_00380	.	.	.	NP_00379	.	protein_co	ENSG0000	8733	4446
GPALPP1	12.2489	10.538	9.0552	12.2008	12.4819	9.97096	GPALPP motifs containing 1 [Source:HGNC Symbol;Acc:HGNC:202	chr13:455	NM_01855	XM_01153	.	.	NP_00130	XP_00526	protein_co	ENSG0000	55425	20298
GPAM	12.839	13.0101	10.8868	12.5695	16.3232	16.1821	glycerol-3-phosphate acyltransferase, mitochondrial [Source:HG	chr10:113	NM_00124	XM_00526	.	.	NP_00123	XP_00527	protein_co	ENSG0000	57678	24865
GPANK1	13.8218	12.6263	11.1555	12.1203	10.3389	10.3195	G-patch domain and ankyrin repeats 1 [Source:HGNC Symbol;Acc	chr6:3162	NM_00119	XM_01151	.	.	NP_00118	XP_00524	protein_co	ENSG0000	7918	13920
GPAT2	14.6423	17.1854	14.8747	20.5672	20.5925	13.2226	glycerol-3-phosphate acyltransferase 2, mitochondrial [Source:H	chr2:9668	NM_00132	XM_01700	.	.	NP_00130	XP_00526	protein_co	ENSG0000	150763	27168
GPAT3	13.1093	13.4717	12.2911	11.3448	13.7166	18.3209	glycerol-3-phosphate acyltransferase 3 [Source:HGNC Symbol;Ac	chr4:8445	NM_00125	XM_01700	.	.	NP_00124	XP_01153	protein_co	ENSG0000	84803	28157
GPAT4	19.5578	20.8844	19.4863	18.383	19.451	17.2485	glycerol-3-phosphate acyltransferase 4 [Source:HGNC Symbol;Ac	chr8:4143	NM_17881	XM_01154	.	.	NP_84893	XP_01154	protein_co	ENSG0000	137964	20880
GPATCH1	3.75308	3.81364	3.42411	3.79941	3.49898	2.87503	G-patch domain containing 1 [Source:HGNC Symbol;Acc:HGNC:24	chr19:335	NM_01802	.	.	.	NP_06049	.	protein_co	ENSG0000	55094	24658
GPATCH11	4.23172	4.87164	3.65363	3.8981	4.49558	4.05955	G-patch domain containing 11 [Source:HGNC Symbol;Acc:HGNC:2	chr2:3731	NM_00127	XM_01700	.	.	NP_00126	XP_01685	protein_co	ENSG0000	253635	26768
GPATCH2	5.05222	5.60211	4.33648	5.18204	5.11441	4.9501	G-patch domain containing 2 [Source:HGNC Symbol;Acc:HGNC:25	chr1:2176	NM_00129	XM_01150	.	.	NP_00128	XP_01150	protein_co	ENSG0000	55105	25499
GPATCH2L	11.5391	11.8699	13.876	13.273	12.8169	15.6244	G-patch domain containing 2 like [Source:HGNC Symbol;Acc:HGN	chr14:766	NM_01792	XM_01702	.	.	NP_06039	XP_00672	protein_co	ENSG0000	55668	20210
GPATCH3	7.7781	7.63015	6.48783	9.1402	6.94452	4.99182	G-patch domain containing 3 [Source:HGNC Symbol;Acc:HGNC:25	chr1:2721	NM_02207	.	.	.	NP_07136	.	protein_co	ENSG0000	63906	25720
GPATCH4	27.914	27.1509	22.1622	26.3768	25.3434	17.4077	G-patch domain containing 4 [Source:HGNC Symbol;Acc:HGNC:25	chr1:1565	NM_01559	XM_00524	.	.	NP_05640	XP_00524	protein_co	ENSG0000	54865	25982
GPATCH8	8.21691	9.27167	8.54959	7.85899	8.38217	7.66532	G-patch domain containing 8 [Source:HGNC Symbol;Acc:HGNC:29	chr17:424	NM_00100	.	.	.	NP_00100	XP_01687	protein_co	ENSG0000	23131	29066
GPBAR1	0.160282	0.084914	0.084044	0.305022	0.072338	0.099822	G protein-coupled bile acid receptor 1 [Source:HGNC Symbol;Acc	chr2:2191	NM_00107	XM_01151	.	.	NP_00107	XP_01150	protein_co	ENSG0000	151306	19680
GPBP1	32.7603	30.3705	29.9818	31.7883	36.327	38.0089	GC-rich promoter binding protein 1 [Source:HGNC Symbol;Acc:H	chr5:5646	NM_00112	XM_00671	.	.	NP_00112	XP_00524	protein_co	ENSG0000	65056	29520
GPBP1L1	32.0097	31.5225	27.4791	29.2458	28.8592	32.4878	GC-rich promoter binding protein 1 like 1 [Source:HGNC Symbol;	chr1:4609	NM_02163	XM_00527	.	.	NP_06765	XP_00527	protein_co	ENSG0000	60313	28843
GPC1	42.1014	44.839	39.4119	56.5796	48.7291	40.2663	glypican 1 [Source:HGNC Symbol;Acc:HGNC:4449]	chr2:2413	NM_00208	XM_01151	.	.	NP_00207	XP_01150	protein_co	ENSG0000	2817	4449
GPC2	2.72066	2.41822	3.14095	3.12354	2.76319	3.45645	glypican 2 [Source:HGNC Symbol;Acc:HGNC:4450]	chr7:9976	NM_15274	.	.	.	NP_68995	.	protein_co	ENSG0000	221914	4450
GPC3	0.802788	0.708142	1.19726	0.699117	0.646029	0.674964	glypican 3 [Source:HGNC Symbol;Acc:HGNC:4451]	chrX:1326	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	2719	4451
GPC4	5.65638	6.28647	6.353	5.87604	5.45328	7.75393	glypican 4 [Source:HGNC Symbol;Acc:HGNC:4452]	chrX:1324	NM_00144	.	.	.	NP_00143	.	protein_co	ENSG0000	2239	4452
GPC5	0	0	0.02243	0.200497	0.104929	0.026087	glypican 5 [Source:HGNC Symbol;Acc:HGNC:4453]	chr13:920	NM_00446	.	.	.	NP_00445	XP_01687	protein_co	ENSG0000	2262	4453
GPC6	0	0	0	0	0	0	glypican 6 [Source:HGNC Symbol;Acc:HGNC:4454]	chr13:938	NM_00570	XM_01152	.	.	NP_00569	XP_01151	protein_co	ENSG0000	10082	4454
GPCPD1	8.71571	8.24201	7.561	6.4556	7.10053	9.71394	glycerophosphocholine phosphodiesterase 1 [Source:HGNC Symb	chr20:552	NM_01959	XM_00672	.	.	NP_06253	XP_00526	protein_co	ENSG0000	56261	26957
GPD1	0.742459	0.694074	1.29499	1.66486	1.31387	1.15094	glycerol-3-phosphate dehydrogenase 1 [Source:HGNC Symbol;Ac	chr12:504	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	2819	4455
GPD1L	9.79797	11.0351	13.6271	8.81265	10.3893	10.5493	glycerol-3-phosphate dehydrogenase 1-like [Source:HGNC Symbo	chr3:3214	NM_01514	XM_00671	.	.	NP_05595	XP_00671	protein_co	ENSG0000	23171	28956
GPD2	27.8961	29.4218	27.4128	36.4342	44.6006	38.4008	glycerol-3-phosphate dehydrogenase 2 [Source:HGNC Symbol;Ac	chr2:1572	NM_00040	XM_01151	.	.	NP_00039	XP_00524	protein_co	ENSG0000	2820	4456
GPER1	0.729482	0.58182	0.596805	1.12472	1.36421	1.03619	G protein-coupled estrogen receptor 1 [Source:HGNC Symbol;Acc	chr7:1036	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	2852	4485
GPHA2	0.129619	0	0.147808	0	0	0	glycoprotein hormone alpha 2 [Source:HGNC Symbol;Acc:HGNC:1	chr11:646	NM_13076	XM_01154	.	.	NP_57012	XP_01154	protein_co	ENSG0000	170589	18054
GPHB5	0	0	0	0	0	0	glycoprotein hormone beta 5 [Source:HGNC Symbol;Acc:HGNC:1	chr14:637	NM_14517	.	.	.	NP_66015	.	protein_co	ENSG0000	122876	18055
GPHN	7.88867	7.55778	7.59147	8.05006	7.41771	7.90281	gephyrin [Source:HGNC Symbol;Acc:HGNC:15465]	chr14:669	NM_00102	XM_01153	.	.	NP_00101	XP_00526	protein_co	ENSG0000	10243	15465
GPI	193.178	205.475	212.092	230.692	200.004	179.238	glucose-6-phosphate isomerase [Source:HGNC Symbol;Acc:HGNC	chr19:348	NM_00017	XM_01152	.	.	NP_00016	XP_00525	protein_co	ENSG0000	2821	4458
GPIHBP1	0.032044	0.062905	0.055528	0	0.037428	0	glycosylphosphatidylinositol anchored high density lipoprotein bi	chr8:1442	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	338328	24945
GPKOW	16.5231	15.4236	13.1692	16.1969	14.1019	15.7674	G-patch domain and KOW motifs [Source:HGNC Symbol;Acc:HGN	chrX:4897	NM_01569	XM_01702	.	.	NP_05651	XP_01688	protein_co	ENSG0000	27238	30677
GPLD1	0.613159	0.824945	1.11558	0.568164	0.669482	0.815587	glycosylphosphatidylinositol specific phospholipase D1 [Source:H	chr6:2442	NM_00150	XM_00524	.	.	NP_00149	XP_01686	protein_co	ENSG0000	2822	4459
GPM6A	1.20162	1.27654	2.50217	0.977843	0.839887	1.8441	glycoprotein M6A [Source:HGNC Symbol;Acc:HGNC:4460]	chr4:1765	NM_00126	XM_01153	.	.	NP_00124	XP_00671	protein_co	ENSG0000	2823	4460
GPM6B	0	0	0	0	0.026975	0	glycoprotein M6B [Source:HGNC Symbol;Acc:HGNC:4461]	chrX:1378	NM_00100	XM_01154	.	.	NP_00100	XP_00527	protein_co	ENSG0000	2824	4461

GPN1	25.0698	25.3646	21.1442	28.7869	27.7022	21.4939	GPN-loop GTPase 1 [Source:HGNC Symbol;Acc:HGNC:17030]	chr2:27848	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	11321	17030
GPN2	11.5023	12.381	12.117	10.9955	10.6995	8.6877	GPN-loop GTPase 2 [Source:HGNC Symbol;Acc:HGNC:25513]	chr1:27202	NM_01806	.	.	.	NP_06053	.	protein_co	ENSG0000	54707	25513
GPN3	22.1889	19.5137	21.4904	24.9995	26.8099	23.34	GPN-loop GTPase 3 [Source:HGNC Symbol;Acc:HGNC:30186]	chr12:1108	NM_00116	XM_00525	.	.	NP_00115	XP_005253	protein_co	ENSG0000	51184	30186
GPNMB	1.08908	0.944697	0.999674	0.884468	1.06129	1.06726	glycoprotein nmb [Source:HGNC Symbol;Acc:HGNC:4462]	chr7:23286	NM_00100	XM_00524	.	.	NP_00100	XP_005249	protein_co	ENSG0000	10457	4462
GPR1	0.042243	0	0	0	0	0	G protein-coupled receptor 1 [Source:HGNC Symbol;Acc:HGNC:4	chr2:20704	NM_00109	XM_00524	.	.	NP_00109	XP_005246	protein_co	ENSG0000	2825	4463
GPR101	0	0	0	0	0	0	G protein-coupled receptor 101 [Source:HGNC Symbol;Acc:HGNC	chrX:13611	NM_05402	.	.	.	NP_47336	.	protein_co	ENSG0000	83550	14963
GPR107	17.8769	17.77	18.1894	15.4694	16.9871	20.6554	G protein-coupled receptor 107 [Source:HGNC Symbol;Acc:HGNC	chr9:13281	NM_00113	.	.	.	NP_00113	XP_016870	protein_co	ENSG0000	57720	17830
GPR108	34.9411	31.7534	29.6269	26.2275	23.6056	27.5758	G protein-coupled receptor 108 [Source:HGNC Symbol;Acc:HGNC	chr19:6729	NM_00108	XM_01152	NR_10684	.	NP_00107	XP_006722	protein_co	ENSG0000	102465474	17829
GPR119	0	0	0.091829	0	0.122572	0	G protein-coupled receptor 119 [Source:HGNC Symbol;Acc:HGNC	chrX:12951	NM_17847	.	.	.	NP_84856	.	protein_co	ENSG0000	139760	19060
GPR12	0	0	0	0	0	0	G protein-coupled receptor 12 [Source:HGNC Symbol;Acc:HGNC:	chr13:2732	NM_00528	XM_00526	.	.	NP_00527	XP_005266	protein_co	ENSG0000	2835	4466
GPR132	0.06154	0	0	0.032992	0	0.033884	G protein-coupled receptor 132 [Source:HGNC Symbol;Acc:HGNC	chr14:1055	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	29933	17482
GPR135	0.789516	0.925558	1.24791	0.2484	0.733982	0.736024	G protein-coupled receptor 135 [Source:HGNC Symbol;Acc:HGNC	chr14:5992	NM_02257	XM_01153	.	.	NP_07209	XP_011535	protein_co	ENSG0000	64582	19991
GPR137	8.81739	7.50058	6.90941	7.31969	5.49799	5.83533	G protein-coupled receptor 137 [Source:HGNC Symbol;Acc:HGNC	chr11:6403	NM_00117	XM_01701	.	.	NP_00116	XP_005274	protein_co	ENSG0000	56834	24300
GPR137B	6.04624	6.6716	10.9528	7.44876	7.59963	7.50076	G protein-coupled receptor 137B [Source:HGNC Symbol;Acc:HGN	chr1:23630	NM_00327	.	.	.	NP_00326	XP_016857	protein_co	ENSG0000	7107	11862
GPR137C	0.462516	0.168978	0.642913	0.089545	0.39104	0.844671	G protein-coupled receptor 137C [Source:HGNC Symbol;Acc:HGN	chr14:5301	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	283554	25445
GPR139	0	0	0	0	0	0	G protein-coupled receptor 139 [Source:HGNC Symbol;Acc:HGNC	chr16:2004	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	124274	19995
GPR141	0	0	0	0	0	0	G protein-coupled receptor 141 [Source:HGNC Symbol;Acc:HGNC	chr7:37723	NM_18179	XM_01151	.	.	NP_86145	XP_011513	protein_co	ENSG0000	353345	19997
GPR142	0	0.060348	0.052342	0	0	0.066934	G protein-coupled receptor 142 [Source:HGNC Symbol;Acc:HGNC	chr17:7236	NM_18179	.	.	.	NP_86145	.	protein_co	ENSG0000	350383	20088
GPR143	0.719798	1.1417	1.67799	2.7425	2.653	2.454	G protein-coupled receptor 143 [Source:HGNC Symbol;Acc:HGNC	chrX:96933	NM_00027	.	.	.	NP_00026	XP_005274	protein_co	ENSG0000	4935	20145
GPR146	0.410479	0.454812	0.130317	0.384888	0.120432	0.395201	G protein-coupled receptor 146 [Source:HGNC Symbol;Acc:HGNC	chr7:10366	NM_00130	XM_00671	.	.	NP_00129	XP_006715	protein_co	ENSG0000	115330	21718
GPR148	0	0	0	0	0	0	G protein-coupled receptor 148 [Source:HGNC Symbol;Acc:HGNC	chr2:13148	NM_20736	XM_01151	.	.	NP_99724	XP_011509	protein_co	ENSG0000	344561	23623
GPR149	0	0	0	0	0	0	G protein-coupled receptor 149 [Source:HGNC Symbol;Acc:HGNC	chr3:15405	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	344758	23627
GPR15	0.518774	0.233172	0.829693	1.65539	1.48346	1.12055	G protein-coupled receptor 15 [Source:HGNC Symbol;Acc:HGNC:	chr3:98250	NM_00529	.	.	.	NP_00528	.	protein_co	ENSG0000	2838	4469
GPR150	0	0	0	0	0	0	G protein-coupled receptor 150 [Source:HGNC Symbol;Acc:HGNC	chr5:94955	NM_19924	XM_01154	.	.	NP_95471	.	protein_co	ENSG0000	285601	23628
GPR151	0	0	0	0	0	0	G protein-coupled receptor 151 [Source:HGNC Symbol;Acc:HGNC	chr5:14589	NM_19425	.	.	.	NP_91922	.	protein_co	ENSG0000	134391	23624
GPR152	0	0	0	0	0	0	G protein-coupled receptor 152 [Source:HGNC Symbol;Acc:HGNC	chr11:6721	NM_20699	.	.	.	NP_99688	.	protein_co	ENSG0000	390212	23622
GPR153	3.18604	2.68293	5.44818	2.81422	2.40136	3.21256	G protein-coupled receptor 153 [Source:HGNC Symbol;Acc:HGNC	chr1:63074	NM_20737	XM_01700	.	.	NP_99725	XP_011539	protein_co	ENSG0000	387509	23618
GPR155	1.05375	1.04884	1.78503	0.933579	1.50646	1.52857	G protein-coupled receptor 155 [Source:HGNC Symbol;Acc:HGNC	chr2:17529	NM_00103	XM_01700	.	.	NP_00102	XP_016858	protein_co	ENSG0000	151556	22951
GPR156	0.064107	0.150201	0.055706	0.035414	0	0	G protein-coupled receptor 156 [Source:HGNC Symbol;Acc:HGNC	chr3:11988	NM_00116	XM_01700	.	.	NP_00116	XP_005247	protein_co	ENSG0000	165829	20844
GPR157	2.98365	3.36428	4.3529	3.36931	3.53835	3.72377	G protein-coupled receptor 157 [Source:HGNC Symbol;Acc:HGNC	chr1:91603	NM_02498	XM_00526	.	.	NP_07925	XP_005263	protein_co	ENSG0000	80045	23687
GPR158	1.03861	0.877645	0.663735	0.536614	0.68631	0.853935	G protein-coupled receptor 158 [Source:HGNC Symbol;Acc:HGNC	chr10:2546	NM_02075	.	.	.	NP_06580	.	protein_co	ENSG0000	57512	23689
GPR160	4.05643	4.70121	5.87085	3.66356	4.2749	6.13141	G protein-coupled receptor 160 [Source:HGNC Symbol;Acc:HGNC	chr3:16975	NM_01437	XM_01151	.	.	NP_05518	XP_005247	protein_co	ENSG0000	26996	23693
GPR161	7.17749	8.43818	8.17931	9.22006	7.89595	6.71817	G protein-coupled receptor 161 [Source:HGNC Symbol;Acc:HGNC	chr1:16804	NM_00126	XM_01700	.	.	NP_00125	XP_005245	protein_co	ENSG0000	23432	23694
GPR162	2.2117	1.62822	1.51052	1.72414	1.00082	1.1692	G protein-coupled receptor 162 [Source:HGNC Symbol;Acc:HGNC	chr12:6930	NM_01444	.	.	.	NP_05526	.	protein_co	ENSG0000	27239	16693
GPR17	0.091533	0.083732	0	0.044437	0.098118	0	G protein-coupled receptor 17 [Source:HGNC Symbol;Acc:HGNC:	chr2:12839	NM_00116	.	.	.	NP_00115	XP_016859	protein_co	ENSG0000	2840	4471
GPR171	0	0	0	0	0	0	G protein-coupled receptor 171 [Source:HGNC Symbol;Acc:HGNC	chr3:15080	NM_01330	XM_00524	.	.	NP_03744	XP_005247	protein_co	ENSG0000	29909	30057
GPR173	2.33695	2.10845	2.05985	2.02419	1.81069	2.01399	G protein-coupled receptor 173 [Source:HGNC Symbol;Acc:HGNC	chrX:53078	NM_01896	XM_01153	.	.	NP_06184	XP_011529	protein_co	ENSG0000	54328	18186
GPR174	0	0	0	0	0	0	G protein-coupled receptor 174 [Source:HGNC Symbol;Acc:HGNC	chrX:78426	NM_03255	.	.	.	NP_11594	.	protein_co	ENSG0000	84636	30245
GPR176	0.923443	1.1344	1.06643	0.380483	0.410087	0.61486	G protein-coupled receptor 176 [Source:HGNC Symbol;Acc:HGNC	chr15:4009	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	11245	32370
GPR179	0.121336	0.093504	0.112217	0.186198	0.196238	0.199423	G protein-coupled receptor 179 [Source:HGNC Symbol;Acc:HGNC	chr17:3648	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	440435	31371
GPR18	0	0	0	0	0	0	G protein-coupled receptor 18 [Source:HGNC Symbol;Acc:HGNC:	chr13:9985	NM_00109	XM_01152	.	.	NP_00109	XP_006720	protein_co	ENSG0000	2841	4472
GPR180	3.43415	3.66015	3.37409	3.07949	4.27605	5.23829	G protein-coupled receptor 180 [Source:HGNC Symbol;Acc:HGNC	chr13:9525	NM_18098	.	.	.	NP_85132	.	protein_co	ENSG0000	160897	28899
GPR182	0	0	0	0	0	0.024548	G protein-coupled receptor 182 [Source:HGNC Symbol;Acc:HGNC	chr12:5738	NM_00726	XM_01153	.	.	NP_00919	XP_011536	protein_co	ENSG0000	11318	13708
GPR183	0.055307	0.238286	0.047752	0.063459	0.121388	0.106963	G protein-coupled receptor 183 [Source:HGNC Symbol;Acc:HGNC	chr13:9985	NM_00495	.	.	.	NP_00494	XP_016875	protein_co	ENSG0000	1880	3128
GPR19	1.20558	0.768014	0.548171	0.476517	0.832071	0.633538	G protein-coupled receptor 19 [Source:HGNC Symbol;Acc:HGNC:	chr12:1281	NM_00614	XM_01152	.	.	NP_00613	XP_011518	protein_co	ENSG0000	2842	4473
GPR20	0.800594	0.853035	0.880131	1.35232	2.28431	0.726602	G protein-coupled receptor 20 [Source:HGNC Symbol;Acc:HGNC:	chr8:14236	NM_00529	XM_01151	.	.	NP_00528	XP_011515	protein_co	ENSG0000	2843	4475
GPR21	0	0	0	0	0	0	G protein-coupled receptor 21 [Source:HGNC Symbol;Acc:HGNC:	chr9:12570	.	.	.	.	.	.	protein_co	ENSG0000	.	4476
GPR22	0	0	0	0	0	0	G protein-coupled receptor 22 [Source:HGNC Symbol;Acc:HGNC:	chr7:10680	NM_00529	XM_01151	.	.	NP_00528	XP_011514	protein_co	ENSG0000	2845	4477
GPR25	0	0	0	0	0	0	G protein-coupled receptor 25 [Source:HGNC Symbol;Acc:HGNC:	chr1:20084	NM_00529	.	.	.	NP_00528	.	protein_co	ENSG0000	2848	4480
GPR26	0	0	0	0	0	0	G protein-coupled receptor 26 [Source:HGNC Symbol;Acc:HGNC:	chr10:1254	NM_15344	.	.	.	NP_70314	.	protein_co	ENSG0000	2849	4481
GPR27	0.054128	0	0.046066	0.240203	0.061331	0.055548	G protein-coupled receptor 27 [Source:HGNC Symbol;Acc:HGNC:	chr3:71724	NM_01897	.	.	.	NP_06184	.	protein_co	ENSG0000	2850	4482
GPR3	4.61285	3.41415	3.67223	5.43951	4.94655	2.04886	G protein-coupled receptor 3 [Source:HGNC Symbol;Acc:HGNC:4	chr1:27719	NM_00528	.	.	.	NP_00527	.	protein_co	ENSG0000	2827	4484
GPR31	0	0	0	0	0	0	G protein-coupled receptor 31 [Source:HGNC Symbol;Acc:HGNC:	chr6:16756	NM_00529	.	.	.	NP_00529	.	protein_co	ENSG0000	2853	4486
GPR32	0	0.089335	0	0	0	0	G protein-coupled receptor 32 [Source:HGNC Symbol;Acc:HGNC:	chr19:5127	NM_00150	.	.	.	NP_00149	.	protein_co	ENSG0000	2854	4487
GPR33	0	0	0	0	0	0	G protein-coupled receptor 33 (gene/pseudogene) [Source:HGNC	chr14:3195	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	2856	4489
GPR34	0	0	0	0	0	0	G protein-coupled receptor 34 [Source:HGNC Symbol;Acc:HGNC:	chrX:41374	NM_00109	XM_00527	.	.	NP_00109	XP_005272	protein_co	ENSG0000	2857	4490
GPR35	0.976766	0.592106	1.38487	0.398217	1.08096	1.09251	G protein-coupled receptor 35 [Source:HGNC Symbol;Acc:HGNC:	chr2:24152	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	2859	4492
GPR37	1.18488	1.47068	1.6323	2.18164	1.75696	2.08344	G protein-coupled receptor 37 [Source:HGNC Symbol;Acc:HGNC:	chr7:12438	NM_00530	.	.	.	NP_00529	.	protein_co	ENSG0000	2861	4494
GPR37L1	0.062871	0.063003	0.151692	0.108404	0.028833	0.040793	G protein-coupled receptor 37 like 1 [Source:HGNC Symbol;Acc:H	chr1:20209	NM_00476	.	.	.	NP_00475	.	protein_co	ENSG0000	9283	14923

GPR39	4.69275	5.3046	2.90666	3.86742	3.23401	3.29116	G protein-coupled receptor 39 [Source:HGNC Symbol;Acc:HGNC:4	chr2:13317	NM_0015	.	.	.	NP_00149	XP_01150	protein_co	ENSG0000	2863	4496
GPR4	0.121795	0.030722	0.052169	0.066184	0.139353	0.097407	G protein-coupled receptor 4 [Source:HGNC Symbol;Acc:HGNC:4	chr19:4603	NM_00528	XM_01702	.	.	NP_00527	XP_016882	protein_co	ENSG0000	2828	4497
GPR42	0	0	0	0	0	0	G protein-coupled receptor 42 (gene/pseudogene) [Source:HGNC	chr19:3586	.	.	.	.	.	.	protein_co	ENSG0000		4500
GPR45	0.091277	0.08955	0.386485	0.583989	0.42493	0.504566	G protein-coupled receptor 45 [Source:HGNC Symbol;Acc:HGNC:4	chr2:10585	NM_00722	.	.	.	NP_00915	.	protein_co	ENSG0000	11250	4503
GPR50	0.042768	0.043503	0.036441	0	0	0	G protein-coupled receptor 50 [Source:HGNC Symbol;Acc:HGNC:4	chrX:15034	NM_00422	.	.	.	NP_00421	.	protein_co	ENSG0000	9248	4506
GPR52	0	0	0	0.118327	0	0	G protein-coupled receptor 52 [Source:HGNC Symbol;Acc:HGNC:4	chr1:17412	NM_00568	.	.	.	NP_00567	.	protein_co	ENSG0000	9293	4508
GPR55	0.027505	0.027965	0	0	0	0.029136	G protein-coupled receptor 55 [Source:HGNC Symbol;Acc:HGNC:4	chr2:23177	NM_00568	XM_01151	.	.	NP_00567	XP_005247	protein_co	ENSG0000	9290	4511
GPR6	0	0	0	0	0	0	G protein-coupled receptor 6 [Source:HGNC Symbol;Acc:HGNC:4	chr6:11029	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	2830	4515
GPR61	0	0	0.013278	0	0.051541	0	G protein-coupled receptor 61 [Source:HGNC Symbol;Acc:HGNC:1	chr1:11008	NM_03193	XM_01154	.	.	NP_11414	XP_011540	protein_co	ENSG0000	83873	13300
GPR62	0.091753	0	0	0	0	0.050645	G protein-coupled receptor 62 [Source:HGNC Symbol;Acc:HGNC:1	chr3:51989	NM_08086	.	.	.	NP_54314	.	protein_co	ENSG0000	118442	13301
GPR63	3.10082	3.45743	2.74192	3.40595	3.6609	3.33106	G protein-coupled receptor 63 [Source:HGNC Symbol;Acc:HGNC:1	chr6:97242	NM_00114	XM_01153	.	.	NP_00113	XP_006715	protein_co	ENSG0000	81491	13302
GPR65	0	0	0	0	0	0	G protein-coupled receptor 65 [Source:HGNC Symbol;Acc:HGNC:4	chr14:8847	NM_00360	.	.	.	NP_00359	.	protein_co	ENSG0000	8477	4517
GPR68	0	0.054295	0.023832	0.029462	0	0.030124	G protein-coupled receptor 68 [Source:HGNC Symbol;Acc:HGNC:4	chr14:9169	NM_00117	XM_01153	.	.	NP_00117	XP_005268	protein_co	ENSG0000	8111	4519
GPR75	1.21057	0.687659	1.2779	0.474858	0.660635	0.686346	G protein-coupled receptor 75 [Source:HGNC Symbol;Acc:HGNC:4	chr2:53897	NM_00679	.	.	.	NP_00678	.	protein_co	ENSG0000	10936	4526
GPR75-ASB3	5.16E-06	0.305407	1.79E-11	6.69E-15	4.67E-05	2.01E-08	GPR75-ASB3 readthrough [Source:HGNC Symbol;Acc:HGNC:4004	chr2:53897	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	100302652	40043
GPR78	0	0	0	0	0	0	G protein-coupled receptor 78 [Source:HGNC Symbol;Acc:HGNC:4	chr4:85822	NM_08081	.	.	.	NP_54300	.	protein_co	ENSG0000	27201	4528
GPR82	0	0	0	0	0	0	G protein-coupled receptor 82 [Source:HGNC Symbol;Acc:HGNC:4	chrX:41374	NM_08081	XM_01702	.	.	NP_54300	XP_016884	protein_co	ENSG0000	27197	4533
GPR83	0.263027	0.183029	0.197395	0.173387	0.059183	0.14326	G protein-coupled receptor 83 [Source:HGNC Symbol;Acc:HGNC:4	chr11:9411	NM_01654	XM_01154	.	.	NP_05762	XP_011540	protein_co	ENSG0000	10888	4523
GPR84	0	0.058644	0.099617	0.079814	0.040771	0.061464	G protein-coupled receptor 84 [Source:HGNC Symbol;Acc:HGNC:4	chr12:5475	NM_02037	XM_01153	.	.	NP_06510	XP_011536	protein_co	ENSG0000	53831	4535
GPR85	0	0	0	0	0	0	G protein-coupled receptor 85 [Source:HGNC Symbol;Acc:HGNC:4	chr7:11272	NM_00114	XM_00525	.	.	NP_00113	XP_005250	protein_co	ENSG0000	54329	4536
GPR87	3.68501	2.81511	2.16192	2.76068	2.19731	2.2615	G protein-coupled receptor 87 [Source:HGNC Symbol;Acc:HGNC:4	chr3:15080	NM_02391	.	.	.	NP_07640	.	protein_co	ENSG0000	53836	4538
GPR88	0.034604	0	0	0	0	0	G protein-coupled receptor 88 [Source:HGNC Symbol;Acc:HGNC:4	chr1:10100	NM_02204	.	.	.	NP_07133	.	protein_co	ENSG0000	54112	4539
GPR89A	2.24231	1.88478	2.32805	2.31955	1.63248	1.94681	G protein-coupled receptor 89A [Source:HGNC Symbol;Acc:HGNC	chr1:14576	NM_00109	XM_01150	.	.	NP_00109	XP_006711	protein_co	ENSG0000	653519	31984
GPR89B	0.477045	0.229449	0.301118	0.391715	0.386008	0.128804	G protein-coupled receptor 89B [Source:HGNC Symbol;Acc:HGNC	chr1:14740	NM_01633	XM_01150	.	.	NP_05741	XP_005277	protein_co	ENSG0000	51463	13840
GPR89C	0	0	0	0	0	0	G protein-coupled receptor 89C [Source:HGNC Symbol;Acc:31985	chr1:14588	NM_00109	.	.	.	NP_00109	XP_005273	protein_co	ENSG0000	728932	31985
GPRASP1	0.197473	0.245813	0.225916	0.354846	0.266308	0.198831	G protein-coupled receptor associated sorting protein 1 [Source:H	chrX:10190	NM_00109	.	.	.	NP_00109	XP_016885	protein_co	ENSG0000	9737	24834
GPRASP2	1.45885	1.53306	1.72276	1.43126	1.76992	1.85391	G protein-coupled receptor associated sorting protein 2 [Source:H	chrX:10196	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	100528062	25169
GPRC5A	36.5368	37.2041	84.2348	27.0202	28.2761	39.1099	G protein-coupled receptor class C group 5 member A [Source:HG	chr12:1304	NM_00397	.	NR_03034	.	NP_00397	.	protein_co	ENSG0000	693199	9836
GPRC5B	4.39503	5.08614	5.84471	6.53312	5.82903	4.90001	G protein-coupled receptor class C group 5 member B [Source:HG	chr16:1971	NM_01623	XM_00672	.	.	NP_05731	XP_006721	protein_co	ENSG0000	51704	13308
GPRC5C	23.0608	23.5561	24.0245	28.5949	25.1596	25.2798	G protein-coupled receptor class C group 5 member C [Source:HG	chr17:7242	NM_01865	.	.	.	NP_06112	XP_005257	protein_co	ENSG0000	55890	13309
GPRC5D	0	0	0	0	0	0	G protein-coupled receptor class C group 5 member D [Source:HG	chr12:1309	NM_01865	XM_01152	.	.	NP_06112	XP_005253	protein_co	ENSG0000	55507	13310
GPRC6A	0	0	0	0	0	0	G protein-coupled receptor class C group 6 member A [Source:HG	chr6:11711	NM_00128	.	.	.	NP_00127	XP_016865	protein_co	ENSG0000	222545	18510
GPRIN1	11.2256	11.3971	11.5904	11.1294	9.7163	6.58576	G protein regulated inducer of neurite outgrowth 1 [Source:HGN	chr5:17596	NM_05289	XM_01153	.	.	NP_44313	XP_005265	protein_co	ENSG0000	114787	24835
GPRIN2	1.17245	1.3437	1.41036	1.18266	1.19255	1.08338	G protein regulated inducer of neurite outgrowth 2 [Source:HGN	chr10:4699	NM_01469	XM_01154	.	.	NP_05551	XP_005277	protein_co	ENSG0000	9721	23730
GPRIN3	0.156437	0.125833	0.376791	0.178201	0.245262	0.288228	GPRIN family member 3 [Source:HGNC Symbol;Acc:HGNC:27733]	chr4:90157	NM_19828	XM_00526	.	.	NP_93802	XP_005262	protein_co	ENSG0000	285513	27733
GPS1	84.5476	82.7033	79.4905	95.799	77.8373	64.9652	G protein pathway suppressor 1 [Source:HGNC Symbol;Acc:HGNC	chr17:8000	NM_00132	XM_01702	.	.	NP_00130	XP_005256	protein_co	ENSG0000	2873	4549
GPS2	30.5925	30.6346	26.4975	33.5317	28.7375	23.4588	G protein pathway suppressor 2 [Source:HGNC Symbol;Acc:HGNC	chr17:7215	NM_00448	.	.	.	NP_00448	.	protein_co	ENSG0000	2874	4550
GPSM1	11.5273	13.6587	15.0516	10.5457	10.3539	10.029	G-protein signaling modulator 1 [Source:HGNC Symbol;Acc:HGNC	chr9:13922	NM_00114	XM_01151	.	.	NP_00113	XP_011516	protein_co	ENSG0000	26086	17858
GPSM2	18.2154	15.736	16.184	25.1595	30.4499	26.441	G-protein signaling modulator 2 [Source:HGNC Symbol;Acc:HGNC	chr1:10935	NM_01329	XM_01154	.	.	NP_00130	XP_005270	protein_co	ENSG0000	29899	29501
GPSM3	1.03422	1.23843	0.789534	1.20145	1.29062	0.847009	G-protein signaling modulator 3 [Source:HGNC Symbol;Acc:HGNC	chr6:32158	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	63940	13945
GPT	0.054865	0.31562	0.370138	0.114357	0.193679	0.062628	glutamic--pyruvic transaminase [Source:HGNC Symbol;Acc:HGNC	chr8:14572	NM_00530	XM_01151	.	.	NP_00530	XP_011515	protein_co	ENSG0000	2875	4552
GPT2	18.1232	18.9203	15.3234	15.6851	16.1563	36.597	glutamic--pyruvic transaminase 2 [Source:HGNC Symbol;Acc:HGN	chr16:4691	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	84706	18062
GPX1	351.641	351.28	431.473	467.825	331.879	352.799	glutathione peroxidase 1 [Source:HGNC Symbol;Acc:HGNC:4553]	chr3:49394	NM_00058	.	.	.	NP_00057	.	protein_co	ENSG0000	2876	4553
GPX2	0.087213	0	0	0.095199	0	0	glutathione peroxidase 2 [Source:HGNC Symbol;Acc:HGNC:4554]	chr14:6538	NM_00208	.	.	.	NP_00207	.	protein_co	ENSG0000	2877	4554
GPX3	0	0	0	0	0	0	glutathione peroxidase 3 [Source:HGNC Symbol;Acc:HGNC:4555]	chr5:15039	NM_00208	.	.	.	NP_00207	.	protein_co	ENSG0000	2878	4555
GPX4	321.847	335.691	337.805	334.497	240.161	285.534	glutathione peroxidase 4 [Source:HGNC Symbol;Acc:HGNC:4556]	chr19:1103	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	2879	4556
GPX5	0	0	0	0	0	0	glutathione peroxidase 5 [Source:HGNC Symbol;Acc:HGNC:4557]	chr6:28493	NM_00150	.	.	.	NP_00150	.	protein_co	ENSG0000	2880	4557
GPX6	0	0	0	0	0	0	glutathione peroxidase 6 [Source:HGNC Symbol;Acc:HGNC:4558]	chr6:28471	NM_18270	.	.	.	NP_87436	.	protein_co	ENSG0000	257202	4558
GPX7	0.065558	0	0	0.144766	0	0.068282	glutathione peroxidase 7 [Source:HGNC Symbol;Acc:HGNC:4559]	chr1:53068	NM_01569	.	.	.	NP_05651	.	protein_co	ENSG0000	2882	4559
GPX8	39.7757	41.304	25.8777	43.9688	45.6403	53.1562	glutathione peroxidase 8 (putative) [Source:HGNC Symbol;Acc:HG	chr5:54408	NM_00100	XM_01154	NR_13133	.	NP_00100	XP_006714	protein_co	ENSG0000	493869	33100
GRAMD1A	27.7061	25.4479	30.8872	25.8639	27.0178	21.36	GRAM domain containing 1A [Source:HGNC Symbol;Acc:HGNC:29	chr19:3548	NM_00113	XM_01702	.	.	NP_00112	XP_011525	protein_co	ENSG0000	57655	29305
GRAMD1B	1.48267	1.17287	0.717192	1.67226	1.43233	2.96634	GRAM domain containing 1B [Source:HGNC Symbol;Acc:HGNC:29	chr11:1232	NM_00128	XM_01701	.	.	NP_00127	XP_005271	protein_co	ENSG0000	57476	29214
GRAMD1C	1.5117	1.80561	2.9949	2.10269	2.81305	3.73188	GRAM domain containing 1C [Source:HGNC Symbol;Acc:HGNC:25	chr3:11355	NM_00117	XM_01151	.	.	NP_00116	XP_005247	protein_co	ENSG0000	54762	25252
GRAMD2	3.81966	4.27159	4.23801	4.26848	4.63521	3.7658	GRAM domain containing 2 [Source:HGNC Symbol;Acc:HGNC:272	chr15:7245	NM_00101	XM_01702	.	.	NP_00101	XP_011519	protein_co	ENSG0000	196996	27287
GRAMD3	5.05246	4.42975	4.33442	5.76508	5.16306	7.16052	GRAM domain containing 3 [Source:HGNC Symbol;Acc:HGNC:249	chr5:12569	NM_00114	XM_01154	.	.	NP_00113	XP_005272	protein_co	ENSG0000	65983	24911
GRAMD4	8.84393	9.29785	9.32472	7.46515	6.81865	6.9863	GRAM domain containing 4 [Source:HGNC Symbol;Acc:HGNC:291	chr22:4701	NM_01512	XM_01702	.	.	NP_05593	XP_005261	protein_co	ENSG0000	23151	29113
GRAP	0.328888	0.075803	0.281367	0.110927	0.058576	0.027668	GRB2-related adaptor protein [Source:HGNC Symbol;Acc:HGNC:4	chr17:1885	NM_00661	XM_00525	.	.	NP_00660	XP_005256	protein_co	ENSG0000	400581	4562
GRAP2	0.055754	0	0.059348	0.056088	0.128187	0.121163	GRB2-related adaptor protein 2 [Source:HGNC Symbol;Acc:HGNC	chr22:4029	NM_00129	XM_01153	.	.	NP_00127	XP_006724	protein_co	ENSG0000	9402	4563
GRAPL	0	0	0	0	0	0	GRB2 related adaptor protein like [Source:HGNC Symbol;Acc:HGN	chr17:1903	NM_00112	XM_01702	.	.	NP_00112	XP_016880	protein_co	ENSG0000	400581	37240

GRASP	0.210843	0.204006	0.40671	0.448582	0.633427	0.371519	general receptor for phosphoinositides 1 associated scaffold prot	chr12:5240	NM_00127	XM_01153	.	.	NP_00125	XP_005268	protein_co	ENSG0000	160622	18707
GRB10	11.5047	11.8905	7.65646	10.1064	10.326	17.6906	growth factor receptor bound protein 10 [Source:HGNC Symbol;A	chr7:50657	NM_00100	XM_01701	.	.	NP_00100	XP_005271	protein_co	ENSG0000	2887	4564
GRB14	3.9539	3.4407	3.53203	4.47353	4.43342	4.66785	growth factor receptor bound protein 14 [Source:HGNC Symbol;A	chr2:16534	NM_00449	.	.	.	NP_00448	.	protein_co	ENSG0000	2888	4565
GRB2	91.1927	95.6523	89.6191	105.217	97.6281	92.268	growth factor receptor bound protein 2 [Source:HGNC Symbol;Ac	chr17:7331	NM_00208	.	.	.	NP_00207	.	protein_co	ENSG0000	2885	4566
GRB7	15.1204	15.4891	14.8937	12.8057	10.9089	12.589	growth factor receptor bound protein 7 [Source:HGNC Symbol;Ac	chr17:3789	NM_00103	XM_01152	.	.	NP_00102	XP_016880	protein_co	ENSG0000	2886	4567
GREB1	1.70057	2.06608	2.13481	2.05924	1.97105	2.32661	growth regulation by estrogen in breast cancer 1 [Source:HGNC S	chr2:11674	NM_01466	XM_01151	.	.	NP_05548	XP_005246	protein_co	ENSG0000	9687	24885
GREB1L	1.10465	1.1737	1.53825	1.68612	2.11894	2.25827	growth regulation by estrogen in breast cancer 1 like [Source:HG	chr18:1882	NM_00114	XM_01152	.	.	NP_00113	XP_006722	protein_co	ENSG0000	80000	31042
GREM1	0	0.03114	0	0	0	0	gremlin 1, DAN family BMP antagonist [Source:HGNC Symbol;Acc	chr15:3301	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	26585	2001
GREM2	0	0	0	0	0	0	gremlin 2, DAN family BMP antagonist [Source:HGNC Symbol;Acc	chr1:24065	NM_02246	XM_01154	.	.	NP_07191	XP_005273	protein_co	ENSG0000	64388	17655
GRHL1	2.8201	3.46459	3.54263	3.62025	3.43792	4.84682	grainyhead like transcription factor 1 [Source:HGNC Symbol;Acc:H	chr2:10091	NM_19818	XM_01151	.	.	NP_93782	XP_005246	protein_co	ENSG0000	29841	17923
GRHL2	5.98736	6.93878	6.6058	7.26717	7.54446	8.37606	grainyhead like transcription factor 2 [Source:HGNC Symbol;Acc:H	chr8:10250	NM_02491	XM_01151	.	.	NP_07919	XP_011515	protein_co	ENSG0000	79977	2799
GRHL3	0.33693	0.229603	0.327076	0.082147	0.110366	0.139052	grainyhead like transcription factor 3 [Source:HGNC Symbol;Acc:H	chr1:24645	NM_00119	XM_01154	.	.	NP_00118	XP_011540	protein_co	ENSG0000	57822	25839
GRHPR	60.1263	58.2851	61.5175	68.0682	53.3221	55.0964	glyoxylate and hydroxypyruvate reductase [Source:HGNC Symbol	chr9:37422	NM_01220	XM_01151	.	.	NP_03633	XP_011516	protein_co	ENSG0000	9380	4570
GRIA1	0	0.013574	0	0	0	0	glutamate ionotropic receptor AMPA type subunit 1 [Source:HGN	chr5:15287	NM_00082	XM_01700	.	.	NP_00081	XP_011535	protein_co	ENSG0000	2890	4571
GRIA2	0	0	0.018456	0	0	0	glutamate ionotropic receptor AMPA type subunit 2 [Source:HGN	chr4:15814	NM_00082	XM_01700	.	.	NP_00081	XP_016863	protein_co	ENSG0000	2891	4572
GRIA3	0	0	0	0	0	0	glutamate ionotropic receptor AMPA type subunit 3 [Source:HGN	chrX:12231	NM_00082	.	.	.	NP_00081	.	protein_co	ENSG0000	2892	4573
GRIA4	0	0	0	0	0	0	glutamate ionotropic receptor AMPA type subunit 4 [Source:HGN	chr11:1054	NM_00082	XM_01154	.	.	NP_00082	XP_005271	protein_co	ENSG0000	2893	4574
GRID1	1.04924	1.06408	0.940164	0.830953	1.03437	0.741221	glutamate ionotropic receptor delta type subunit 1 [Source:HGNC	chr10:8735	NM_01755	XM_01153	.	.	NP_06002	XP_011538	protein_co	ENSG0000	2894	4575
GRID2	0	0	0	0	0	0	glutamate ionotropic receptor delta type subunit 2 [Source:HGNC	chr4:93224	NM_00128	XM_01153	.	.	NP_00127	XP_011530	protein_co	ENSG0000	2895	4576
GRID2IP	0.783939	0.53771	1.2002	0.915699	0.988651	1.21604	Grid2 interacting protein [Source:HGNC Symbol;Acc:HGNC:18464	chr7:65370	NM_00114	XM_01151	.	.	NP_00113	XP_011513	protein_co	ENSG0000	392862	18464
GRIFIN	0	0	0	0	0	0	galectin-related inter-fiber protein [Source:HGNC Symbol;Acc:HG	chr7:25144	.	.	.	.	NP_00127	.	protein_co	ENSG0000	402635	4577
GRIK1	0	0	0	0	0	0	glutamate ionotropic receptor kainate type subunit 1 [Source:HG	chr21:3090	NM_00083	XM_00672	.	.	NP_00082	XP_005260	protein_co	ENSG0000	2897	4579
GRIK1-AS2	0.077917	0	0	0	0	0	GRIK1 antisense RNA 2 [Source:HGNC Symbol;Acc:1282]	chr21:3090	.	.	.	.	.	.	protein_co	ENSG0000	.	1282
GRIK2	0.038104	0.12194	0.241029	0.021625	0.063645	0.112431	glutamate ionotropic receptor kainate type subunit 2 [Source:HG	chr6:10184	NM_00116	XM_01153	.	.	NP_00115	XP_005267	protein_co	ENSG0000	2898	4580
GRIK3	0	0	0	0	0	0	glutamate ionotropic receptor kainate type subunit 3 [Source:HG	chr1:37261	NM_00083	.	.	.	NP_00082	.	protein_co	ENSG0000	2899	4581
GRIK4	0.095777	0.057587	0.263864	0.311943	0.174801	0.376597	glutamate ionotropic receptor kainate type subunit 4 [Source:HG	chr11:1203	NM_00128	XM_01154	.	.	NP_00126	XP_011541	protein_co	ENSG0000	2900	4582
GRIK5	0.457782	0.580062	0.785784	0.306213	0.424492	0.595401	glutamate ionotropic receptor kainate type subunit 5 [Source:HG	chr19:4250	NM_00130	XM_01152	.	.	NP_00128	XP_005258	protein_co	ENSG0000	2901	4583
GRIN1	3.27908	3.07792	3.98597	1.88752	1.68811	1.92338	glutamate ionotropic receptor NMDA type subunit 1 [Source:HGN	chr9:14003	NM_00083	XM_01151	.	.	NP_00082	XP_005266	protein_co	ENSG0000	2902	4584
GRIN2A	0.01497	0.015412	0.026023	0	0	0	glutamate ionotropic receptor NMDA type subunit 2A [Source:HG	chr16:9852	NM_00083	XM_01702	.	.	NP_00082	XP_011520	protein_co	ENSG0000	2903	4585
GRIN2B	0.549416	0.539325	1.25989	0.367115	0.504586	0.56152	glutamate ionotropic receptor NMDA type subunit 2B [Source:HG	chr12:1369	NM_00083	XM_01701	.	.	NP_00082	XP_005253	protein_co	ENSG0000	2904	4586
GRIN2C	0.757983	0.402021	0.740571	0.625255	0.530892	0.784495	glutamate ionotropic receptor NMDA type subunit 2C [Source:HG	chr17:7283	NM_00083	XM_01152	.	.	NP_00082	XP_006721	protein_co	ENSG0000	2905	4587
GRIN2D	10.6009	10.5537	12.4662	9.95723	9.7607	9.21616	glutamate ionotropic receptor NMDA type subunit 2D [Source:HG	chr19:4889	NM_00083	XM_01152	.	.	NP_00082	XP_011525	protein_co	ENSG0000	2906	4588
GRIN3A	0	0	0	0	0	0	glutamate ionotropic receptor NMDA type subunit 3A [Source:HG	chr9:10433	NM_13344	.	.	.	NP_59770	.	protein_co	ENSG0000	116443	16767
GRIN3B	0.152946	0.071788	0.224362	0	0.045923	0.223516	glutamate ionotropic receptor NMDA type subunit 3B [Source:HG	chr19:1000	NM_13869	.	.	.	NP_61963	.	protein_co	ENSG0000	116444	16768
GRINA	119.734	122.616	124.187	109.683	97.7595	88.0384	glutamate ionotropic receptor NMDA type subunit associated pro	chr8:14506	NM_00083	XM_00525	.	.	NP_00082	XP_005250	protein_co	ENSG0000	2907	4589
GRIP1	0	0.013749	0.064387	0.044186	0.029391	0.039649	glutamate receptor interacting protein 1 [Source:HGNC Symbol;A	chr12:6669	NM_00117	XM_01153	.	.	NP_00117	XP_005268	protein_co	ENSG0000	23426	18708
GRIP2	0.27424	0.160153	0.23095	0.280963	0.238397	0.21128	glutamate receptor interacting protein 2 [Source:HGNC Symbol;A	chr3:14444	NM_00108	XM_01153	.	.	NP_00107	XP_011532	protein_co	ENSG0000	80852	23841
GRIPAP1	9.76231	8.54986	9.61399	7.47068	8.0604	9.61464	GRIP1 associated protein 1 [Source:HGNC Symbol;Acc:HGNC:187	chrX:48830	NM_02013	XM_01702	.	.	NP_06452	XP_011542	protein_co	ENSG0000	56850	18706
GRK1	0	0	0	0.017313	0	0.017838	G protein-coupled receptor kinase 1 [Source:HGNC Symbol;Acc:H	chr13:1143	.	.	.	.	.	.	protein_co	ENSG0000	.	10013
GRK2	35.8432	36.4028	35.0958	45.4994	38.0765	42.3858	G protein-coupled receptor kinase 2 [Source:HGNC Symbol;Acc:H	chr11:6703	NM_00161	XM_01154	.	.	NP_00161	XP_011543	protein_co	ENSG0000	156	289
GRK3	3.99114	4.055	4.69176	4.85298	5.06832	6.15309	G protein-coupled receptor kinase 3 [Source:HGNC Symbol;Acc:H	chr22:2596	NM_00516	XM_01152	.	.	NP_00515	XP_011528	protein_co	ENSG0000	157	290
GRK4	2.57521	2.57617	2.6377	1.96252	2.33733	1.80797	G protein-coupled receptor kinase 4 [Source:HGNC Symbol;Acc:H	chr4:29653	NM_00100	XM_01151	.	.	NP_00100	XP_005248	protein_co	ENSG0000	2868	4543
GRK5	3.5421	3.76857	3.48755	3.35616	3.9819	2.46089	G protein-coupled receptor kinase 5 [Source:HGNC Symbol;Acc:H	chr10:1209	NM_00530	XM_00526	.	.	NP_00529	XP_005269	protein_co	ENSG0000	2869	4544
GRK6	41.5694	38.1395	42.9458	53.6695	46.3461	36.992	G protein-coupled receptor kinase 6 [Source:HGNC Symbol;Acc:H	chr5:17685	NM_00100	XM_01153	.	.	NP_00100	XP_006714	protein_co	ENSG0000	2870	4545
GRK7	0.047064	0.024443	0.020407	0	0.026542	0	G protein-coupled receptor kinase 7 [Source:HGNC Symbol;Acc:H	chr3:14149	NM_13920	XM_01151	.	.	NP_63194	XP_011510	protein_co	ENSG0000	131890	17031
GRM1	0	0	0.032921	0.012715	0	0	glutamate metabotropic receptor 1 [Source:HGNC Symbol;Acc:HG	chr6:14634	NM_00127	XM_01153	.	.	NP_00126	XP_011534	protein_co	ENSG0000	2911	4593
GRM2	0.095406	0.06106	0	0.051209	0	0	glutamate metabotropic receptor 2 [Source:HGNC Symbol;Acc:HG	chr3:51741	NM_00083	XM_01153	.	.	NP_00083	XP_011531	protein_co	ENSG0000	2912	4594
GRM3	0	0	0	0	0	0	glutamate metabotropic receptor 3 [Source:HGNC Symbol;Acc:HG	chr7:86273	NM_00084	XM_01151	.	.	NP_00083	XP_011514	protein_co	ENSG0000	2913	4595
GRM4	0.475271	0.524083	1.13119	0.617667	1.05915	0.642516	glutamate metabotropic receptor 4 [Source:HGNC Symbol;Acc:HG	chr6:33986	NM_00084	XM_01701	.	.	NP_00083	XP_016866	protein_co	ENSG0000	2914	4596
GRM5	0	0	0.009026	0	0.011666	0	glutamate metabotropic receptor 5 [Source:HGNC Symbol;Acc:HG	chr11:8823	NM_00084	XM_01701	.	.	NP_00083	XP_006718	protein_co	ENSG0000	2915	4597
GRM6	0	0	0	0	0	0	glutamate metabotropic receptor 6 [Source:HGNC Symbol;Acc:HG	chr5:17840	NM_00084	.	.	.	NP_00083	.	protein_co	ENSG0000	2916	4598
GRM7	0	0	0	0	0	0	glutamate metabotropic receptor 7 [Source:HGNC Symbol;Acc:HG	chr3:69028	NM_00084	.	.	.	NP_00083	.	protein_co	ENSG0000	2917	4599
GRM8	0.054586	0.075555	0.061702	0.02039	0.020519	0.073886	glutamate metabotropic receptor 8 [Source:HGNC Symbol;Acc:HG	chr7:12607	NM_00084	XM_01151	.	.	NP_00083	XP_006716	protein_co	ENSG0000	2918	4600
GRN	86.562	86.2997	98.7245	84.9645	69.9754	78.711	granulin [Source:HGNC Symbol;Acc:HGNC:4601]	chr17:4242	NM_00208	XM_00525	.	.	NP_00207	XP_005257	protein_co	ENSG0000	2896	4601
GRP	0	0.197713	0	0.111033	0	0	gastrin releasing peptide [Source:HGNC Symbol;Acc:HGNC:4605]	chr18:5688	NM_00101	XM_01702	.	.	NP_00101	XP_016881	protein_co	ENSG0000	2922	4605
GRPEL1	43.8709	44.6129	41.7598	55.8811	51.0659	42.7548	GrpE like 1, mitochondrial [Source:HGNC Symbol;Acc:HGNC:1969	chr4:70606	NM_02519	.	.	.	NP_07947	.	protein_co	ENSG0000	80273	19696
GRPEL2	17.0603	15.6193	15.8857	18.0116	20.0622	31.2076	GrpE like 2, mitochondrial [Source:HGNC Symbol;Acc:HGNC:2106	chr5:14872	NM_15240	.	.	.	NP_68962	.	protein_co	ENSG0000	134266	21060
GRPR	0.04808	0	0.165682	0.213203	0.215776	0.098321	gastrin releasing peptide receptor [Source:HGNC Symbol;Acc:HGN	chrX:16141	NM_00531	.	.	.	NP_00530	.	protein_co	ENSG0000	2925	4609
GRSF1	86.5771	85.2616	83.6751	95.7753	109.602	87.8431	G-rich RNA sequence binding factor 1 [Source:HGNC Symbol;Acc:	chr4:71681	NM_00109	XM_01153	.	.	NP_00109	XP_005265	protein_co	ENSG0000	2926	4610

GRTP1	12.7555	15.3073	16.4272	13.3102	11.1835	11.1684	growth hormone regulated TBC protein 1 [Source:HGNC Symbol;	chr13:1139	NM_00128	XM_00526	.	.		NP_00127	XP_005268	protein_co	ENSG0000	79774		20310
GRWD1	21.1082	21.8663	18.2314	26.5242	23.2201	14.8027	glutamate rich WD repeat containing 1 [Source:HGNC Symbol;Ac	chr19:4894	NM_03148	.	.	.		NP_11367	.	protein_co	ENSG0000	83743		21270
GRXCR1	0	0	0	0	0	0	glutaredoxin and cysteine rich domain containing 1 [Source:HGN	chr4:42895	NM_00108	.	.	.		NP_00107	.	protein_co	ENSG0000	389207		31673
GRXCR2	0	0	0	0	0	0	glutaredoxin and cysteine rich domain containing 2 [Source:HGN	chr5:14523	NM_00108	XM_01153	.	.		NP_00107	XP_011535	protein_co	ENSG0000	643226		33862
GSAP	0.048695	0.026112	0.127839	0.174317	0.026988	0.071197	gamma-secretase activating protein [Source:HGNC Symbol;Acc:H	chr7:76940	NM_01743	XM_01151	.	.		NP_05913	XP_011514	protein_co	ENSG0000	54103		28042
GSC	0	0	0	0	0	0	goosecoid homeobox [Source:HGNC Symbol;Acc:HGNC:4612]	chr14:9523	NM_17384	.	.	.		NP_77624	.	protein_co	ENSG0000	145258		4612
GSC2	0	0	0	0	0	0	goosecoid homeobox 2 [Source:HGNC Symbol;Acc:HGNC:4613]	chr22:1913	NM_00531	.	.	.		NP_00530	.	protein_co	ENSG0000	2928		4613
GSDMA	0	0	0	0.040798	0	0.032547	gasdermin A [Source:HGNC Symbol;Acc:HGNC:13311]	chr17:3810	NM_17817	XM_00672	.	.		NP_83546	XP_006721	protein_co	ENSG0000	284110		13311
GSDMB	5.75246	5.37409	10.7576	4.94104	5.15611	8.37869	gasdermin B [Source:HGNC Symbol;Acc:HGNC:23690]	chr17:3806	NM_00104	XM_01152	.	.		NP_00103	XP_011523	protein_co	ENSG0000	55876		23690
GSDMC	0	0.077314	0.161852	0	0.041633	0.113601	gasdermin C [Source:HGNC Symbol;Acc:HGNC:7151]	chr8:13076	NM_03141	XM_01151	.	.		NP_11360	XP_011515	protein_co	ENSG0000	56169		7151
GSDMD	48.4195	47.8638	45.1173	57.3476	45.3006	43.3054	gasdermin D [Source:HGNC Symbol;Acc:HGNC:25697]	chr8:14463	NM_00116	XM_01151	.	.		NP_00115	XP_011515	protein_co	ENSG0000	79792		25697
GSE1	22.4697	24.2373	22.0183	14.376	15.7868	19.8382	Gse1 coiled-coil protein [Source:HGNC Symbol;Acc:HGNC:28979]	chr16:8564	NM_00113	XM_01702	.	.		NP_00112	XP_005255	protein_co	ENSG0000	23199		28979
GSG1	0	0	0	0	0	0.076771	germ cell associated 1 [Source:HGNC Symbol;Acc:HGNC:19716]	chr12:1323	NM_00108	XM_01152	.	.		NP_00107	XP_005253	protein_co	ENSG0000	83445		19716
GSG1L	0.065969	0.134472	0	0	0	0	GSG1 like [Source:HGNC Symbol;Acc:HGNC:28283]	chr16:2779	NM_00110	XM_01154	.	.		NP_00110	.	protein_co	ENSG0000	146395		28283
GSG1L2	0	0	0	0	0	0	GSG1 like 2 [Source:HGNC Symbol;Acc:HGNC:51826]	chr17:9705	NM_00131	.	.	.		NP_00129	.	protein_co	ENSG0000	644070		51826
GSG2	8.64906	9.8613	8.9243	10.1287	10.8293	9.30997	germ cell associated 2, haspin [Source:HGNC Symbol;Acc:HGNC:1	chr17:3617	NM_03196	.	.	.		NP_11417	.	protein_co	ENSG0000	83903		19682
GSK3A	45.4275	43.9764	39.3456	52.7864	46.9741	37.3931	glycogen synthase kinase 3 alpha [Source:HGNC Symbol;Acc:HGN	chr19:4273	NM_01988	.	.	.		NP_06393	.	protein_co	ENSG0000	2931		4616
GSK3B	15.0449	15.4619	17.1873	14.8135	16.7516	19.497	glycogen synthase kinase 3 beta [Source:HGNC Symbol;Acc:HGN	chr3:11954	NM_00114	XM_00671	.	.		NP_00113	XP_006713	protein_co	ENSG0000	2932		4617
GSKIP	11.848	14.9587	12.6843	15.8301	13.2471	17.2551	GSK3B interacting protein [Source:HGNC Symbol;Acc:HGNC:2034	chr14:9674	NM_00127	.	.	.		NP_00125	XP_016876	protein_co	ENSG0000	51527		20343
GSN	32.2941	32.275	49.2435	30.2559	25.9859	35.4149	gelsolin [Source:HGNC Symbol;Acc:HGNC:4620]	chr9:12397	NM_00017	XM_01151	.	.		NP_00016	XP_005252	protein_co	ENSG0000	2934		4620
GSPT1	63.7575	63.7251	62.3231	71.3258	77.8165	66.3525	G1 to S phase transition 1 [Source:HGNC Symbol;Acc:HGNC:4621	chr16:1196	NM_00113	.	.	.		NP_00112	.	protein_co	ENSG0000	2935		4621
GSPT2	0.237912	0.111242	0.207009	0.179448	0.088959	0.105203	G1 to S phase transition 2 [Source:HGNC Symbol;Acc:HGNC:4622	chrX:51486	NM_01809	.	.	.		NP_06056	.	protein_co	ENSG0000	23708		4622
GSR	60.5164	64.0711	65.9126	69.8221	66.1346	63.0075	glutathione-disulfide reductase [Source:HGNC Symbol;Acc:HGNC	chr8:30535	NM_00063	.	.	.		NP_00062	.	protein_co	ENSG0000	2936		4623
GSS	46.2565	49.1608	52.4634	61.8516	48.4877	49.3726	glutathione synthetase [Source:HGNC Symbol;Acc:HGNC:4624]	chr20:3351	NM_00017	XM_01152	.	.		NP_00016	XP_005260	protein_co	ENSG0000	2937		4624
GSTA1	0.276326	0.217669	0.241526	0.077406	0.309302	0.280133	glutathione S-transferase alpha 1 [Source:HGNC Symbol;Acc:HGN	chr6:52656	NM_14574	.	.	.		NP_66568	.	protein_co	ENSG0000	2938		4626
GSTA2	0.118564	0.189461	0.671878	0.134017	0.328943	0.294435	glutathione S-transferase alpha 2 [Source:HGNC Symbol;Acc:HGN	chr6:52614	NM_00084	XM_01151	.	.		NP_00083	XP_011512	protein_co	ENSG0000	2939		4627
GSTA3	0	0.107356	0	0	0.114112	0	glutathione S-transferase alpha 3 [Source:HGNC Symbol;Acc:HGN	chr6:52761	NM_00084	XM_00671	.	.		NP_00083	XP_006715	protein_co	ENSG0000	2940		4628
GSTA4	1.97951	1.48956	3.24234	1.9497	2.33991	2.44169	glutathione S-transferase alpha 4 [Source:HGNC Symbol;Acc:HGN	chr6:52843	NM_00151	XM_00524	.	.		NP_00150	XP_005249	protein_co	ENSG0000	2941		4629
GSTA5	0	0	0	0	0	0	glutathione S-transferase alpha 5 [Source:HGNC Symbol;Acc:HGN	chr6:52696	NM_15369	.	.	.		NP_71454	.	protein_co	ENSG0000	221357		19662
GSTCD	8.7481	9.33446	7.19655	10.7121	9.58674	8.96517	glutathione S-transferase C-terminal domain containing [Source:H	chr4:10660	NM_00103	XM_01153	.	.		NP_00102	XP_005263	protein_co	ENSG0000	79807		25806
GSTK1	66.0373	60.5761	75.3577	67.5726	50.6517	50.8224	glutathione S-transferase kappa 1 [Source:HGNC Symbol;Acc:HGN	chr7:14296	NM_00114	.	.	.		NP_00113	.	protein_co	ENSG0000	373156		16906
GSTM1	0.064259	0	0.144495	0	0	0.067212	glutathione S-transferase mu 1 [Source:HGNC Symbol;Acc:HGNC:	chr1:11019	NM_00056	XM_00527	.	.		NP_00055	XP_005270	protein_co	ENSG0000	2944		4632
GSTM2	0.271078	0.252546	0.703306	0.501862	0.381473	0.425805	glutathione S-transferase mu 2 [Source:HGNC Symbol;Acc:HGNC:	chr1:11019	NM_00084	.	.	.		NP_00083	.	protein_co	ENSG0000	2946		4634
GSTM3	0	0	0	0	0	0	glutathione S-transferase mu 3 [Source:HGNC Symbol;Acc:HGNC:	chr1:11027	NM_00084	.	.	.		NP_00084	.	protein_co	ENSG0000	2947		4635
GSTM4	9.94851	10.6815	10.8798	8.74669	8.73469	9.24266	glutathione S-transferase mu 4 [Source:HGNC Symbol;Acc:HGNC:	chr1:11019	NM_00085	.	.	.		NP_00084	.	protein_co	ENSG0000	2948		4636
GSTM5	0	0	0	0	0	0	glutathione S-transferase mu 5 [Source:HGNC Symbol;Acc:HGNC:	chr1:11025	NM_00085	XM_00527	.	.		NP_00084	XP_005270	protein_co	ENSG0000	2949		4637
GSTO1	168.104	140.918	155.866	212.12	165.554	186.381	glutathione S-transferase omega 1 [Source:HGNC Symbol;Acc:HG	chr10:1060	NM_00119	.	.	.		NP_00117	.	protein_co	ENSG0000	9446		13312
GSTO2	60.4736	61.2249	60.2142	68.3055	58.6081	58.7433	glutathione S-transferase omega 2 [Source:HGNC Symbol;Acc:HG	chr10:1060	NM_00119	XM_01153	.	.		NP_00117	XP_011537	protein_co	ENSG0000	119391		23064
GSTP1	664.744	644.696	569.503	738.53	555.23	540.632	glutathione S-transferase pi 1 [Source:HGNC Symbol;Acc:HGNC:4	chr11:6735	NM_00085	.	.	.		NP_00084	.	protein_co	ENSG0000	2950		4638
GSTT1	0	0	0	0	0	0	glutathione S-transferase theta 1 [Source:HGNC Symbol;Acc:HGN	chr22:2437	NM_00085	XM_00526	.	.		NP_00084	.	protein_co	ENSG0000	2952		4641
GSTT2B	7.35051	7.32285	11.5703	8.63066	4.49463	4.27583	glutathione S-transferase theta 2B (gene/pseudogene) [Source:H	chr22:2429	NM_00108	XM_00526	.	.		NP_00107	XP_005261	protein_co	ENSG0000	653689		33437
GSTZ1	17.826	18.4578	20.2231	22.2025	16.2106	20.6294	glutathione S-transferase zeta 1 [Source:HGNC Symbol;Acc:HGN	chr14:7774	NM_00151	XM_01153	.	.		NP_00129	XP_005267	protein_co	ENSG0000	2954		4643
GSX1	0	0	0	0	0	0	GS homeobox 1 [Source:HGNC Symbol;Acc:HGNC:20374]	chr13:2836	NM_14565	.	.	.		NP_66363	.	protein_co	ENSG0000	219409		20374
GSX2	0	0	0	0	0	0	GS homeobox 2 [Source:HGNC Symbol;Acc:HGNC:24959]	chr4:54243	NM_13326	.	.	.		NP_57357	.	protein_co	ENSG0000	170825		24959
GTDC1	4.49284	4.46903	4.84612	3.87256	3.95236	6.85806	glycosyltransferase like domain containing 1 [Source:HGNC Symb	chr2:14469	NM_00100	XM_01700	.	.		NP_00100	XP_005263	protein_co	ENSG0000	79712		20887
GTF2A1	10.3887	10.9457	9.77843	13.2492	16.7823	15.8862	general transcription factor IIA subunit 1 [Source:HGNC Symbol;A	chr14:8164	NM_00127	.	.	.		NP_00126	.	protein_co	ENSG0000	2957		4646
GTF2A1L	3.33E-20	0	0	0	0	0.078988	general transcription factor IIA subunit 1 like [Source:HGNC Symb	chr2:48757	NM_00119	.	.	.		NP_00118	.	protein_co	ENSG0000	11036		30727
GTF2A2	41.7321	36.1465	44.3666	59.9912	49.6606	54.0258	general transcription factor IIA subunit 2 [Source:HGNC Symbol;A	chr15:5993	NM_00132	XM_00525	.	.		NP_00130	XP_005254	protein_co	ENSG0000	2958		4647
GTF2B	38.4984	35.1692	33.4625	37.8114	33.883	35.3926	general transcription factor IIB [Source:HGNC Symbol;Acc:HGNC:	chr1:89318	NM_00151	.	.	.		NP_00150	XP_011539	protein_co	ENSG0000	2959		4648
GTF2E1	8.21459	9.27936	9.06471	8.73799	9.18017	9.55353	general transcription factor IIE subunit 1 [Source:HGNC Symbol;A	chr3:12046	NM_00551	XM_01151	.	.		NP_00550	XP_011511	protein_co	ENSG0000	2960		4650
GTF2E2	34.5885	30.2888	37.4799	38.1861	37.3492	43.3902	general transcription factor IIE subunit 2 [Source:HGNC Symbol;A	chr8:30435	NM_00209	.	.	.		NP_00208	XP_016868	protein_co	ENSG0000	2961		4651
GTF2F1	46.2853	47.8578	40.3147	47.6396	42.8325	34.8684	general transcription factor IIF subunit 1 [Source:HGNC Symbol;A	chr19:6379	NM_00209	.	.	.		NP_00208	.	protein_co	ENSG0000	2962		4652
GTF2F2	37.7134	34.5061	36.3358	38.9489	35.3336	37.5836	general transcription factor IIF subunit 2 [Source:HGNC Symbol;A	chr13:4569	NM_00412	XM_01153	.	.		NP_00411	XP_011533	protein_co	ENSG0000	2963		4653
GTF2H1	19.5592	19.5498	18.7182	20.5522	21.1733	19.7328	general transcription factor IIH subunit 1 [Source:HGNC Symbol;A	chr11:1834	NM_00114	XM_00671	.	.		NP_00113	XP_006718	protein_co	ENSG0000	2965		4655
GTF2H2	7.16904	7.40831	7.47447	7.7871	9.06541	6.95507	general transcription factor IIH subunit 2 [Source:HGNC Symbol;A	chr5:70328	NM_00151	XM_00524	.	.		NP_00150	XP_016864	protein_co	ENSG0000	2966		4656
GTF2H2C	15.1302	13.184	13.0154	15.2876	14.8469	13.2079	GTF2H2 family member C [Source:HGNC Symbol;Acc:HGNC:3139	chr5:68856	NM_00109	XM_01154	.	.		NP_00109	XP_005248	protein_co	ENSG0000	728340		31394
GTF2H3	35.2155	36.5321	39.0763	34.5243	41.8083	39.4506	general transcription factor IIH subunit 3 [Source:HGNC Symbol;A	chr12:1240	NM_00127	XM_01701	.	.		NP_00125	XP_016874	protein_co	ENSG0000	2967		4657
GTF2H4	33.1618	31.3349	29.7388	37.7847	31.0261	27.5421	general transcription factor IIH subunit 4 [Source:HGNC Symbol;A	chr6:30875	NM_00151	.	.	.		NP_00150	.	protein_co	ENSG0000	2968		4658
GTF2H5	4.78222	4.26022	5.82435	4.35457	4.22098	3.69734	general transcription factor IIH subunit 5 [Source:HGNC Symbol;A	chr6:15858	NM_20711	XM_01701	.	.		NP_99700	XP_016866	protein_co	ENSG0000	404672		21157

GTF2I	41.2213	38.5168	44.0441	34.9745	37.7979	36.3917	general transcription factor IIi [Source:HGNC Symbol;Acc:HGNC:4	chr7:74072	NM_00116	XM_01151	.	.	NP_00115	.	protein_co	ENSG0000	2969	4659
GTF2IRD1	8.88621	8.78265	7.82609	8.99273	8.70204	8.64078	GTF2I repeat domain containing 1 [Source:HGNC Symbol;Acc:HGI	chr7:73868	NM_00119	XM_01701	.	.	NP_00118	XP_006716	protein_co	ENSG0000	9569	4661
GTF2IRD2	0.427864	0.251954	0.372309	0.170079	0.103504	0.25209	GTF2I repeat domain containing 2 [Source:HGNC Symbol;Acc:HGI	chr7:74210	NM_00128	XM_01151	.	.	NP_00126	.	protein_co	ENSG0000	84163	30775
GTF2IRD2B	0.44663	0.285489	0.4213	0.226978	0.443811	0.429681	GTF2I repeat domain containing 2B [Source:HGNC Symbol;Acc:H	chr7:74508	NM_00100	XM_01151	.	.	NP_00100	.	protein_co	ENSG0000	389524	33125
GTF3A	96.3119	94.5905	70.4359	119.982	99.6644	73.1338	general transcription factor IIIA [Source:HGNC Symbol;Acc:HGNC	chr13:2799	NM_00209	.	.	.	NP_00208	.	protein_co	ENSG0000	2971	4662
GTF3C1	20.8477	22.2713	20.2018	22.8105	21.964	18.8764	general transcription factor IIIC subunit 1 [Source:HGNC Symbol;A	chr16:2747	NM_00128	XM_01154	.	.	NP_00127	.	protein_co	ENSG0000	2975	4664
GTF3C2	26.1322	27.2717	25.5194	28.9169	27.6002	21.5864	general transcription factor IIIC subunit 2 [Source:HGNC Symbol;A	chr2:27548	NM_00103	XM_01153	.	.	NP_00103	XP_005264	protein_co	ENSG0000	2976	4665
GTF3C3	18.4934	18.0978	18.7078	20.0722	21.4145	20.084	general transcription factor IIIC subunit 3 [Source:HGNC Symbol;A	chr2:19762	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	9330	4666
GTF3C4	15.3432	16.145	16.2287	18.0357	20.9845	17.718	general transcription factor IIIC subunit 4 [Source:HGNC Symbol;A	chr9:13546	NM_01220	.	.	.	NP_03633	.	protein_co	ENSG0000	9329	4667
GTF3C5	37.1122	39.0394	32.348	50.1772	43.7011	32.6207	general transcription factor IIIC subunit 5 [Source:HGNC Symbol;A	chr9:13590	NM_00112	.	.	.	NP_00111	XP_016870	protein_co	ENSG0000	9328	4668
GTF3C6	29.1146	26.8036	21.1794	32.8192	32.0129	25.1605	general transcription factor IIIC subunit 6 [Source:HGNC Symbol;A	chr6:11127	NM_13840	.	.	.	NP_61241	.	protein_co	ENSG0000	112495	20872
GTPBP1	11.3915	11.8882	11.6081	12.2424	11.7913	11.5516	GTP binding protein 1 [Source:HGNC Symbol;Acc:HGNC:4669]	chr22:3910	NM_00428	XM_01153	.	.	NP_00427	XP_011528	protein_co	ENSG0000	9567	4669
GTPBP10	10.5251	8.88618	8.90074	8.47818	10.3594	11.2887	GTP binding protein 10 [Source:HGNC Symbol;Acc:HGNC:25106]	chr7:89975	NM_00104	.	NR_11008	.	NP_00103	.	protein_co	ENSG0000	101927446	25106
GTPBP2	22.8615	23.8032	17.3171	17.7267	16.3729	34.6707	GTP binding protein 2 [Source:HGNC Symbol;Acc:HGNC:4670]	chr6:43588	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	54676	4670
GTPBP3	23.5989	23.7304	23.0713	22.1347	20.0927	19.1544	GTP binding protein 3 (mitochondrial) [Source:HGNC Symbol;Acc:	chr19:1744	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	84705	14880
GTPBP4	30.6744	31.8402	29.2789	37.2878	36.9452	29.6969	GTP binding protein 4 [Source:HGNC Symbol;Acc:HGNC:21535]	chr10:1033	NM_01234	.	.	.	NP_03647	.	protein_co	ENSG0000	23560	21535
GTPBP6	9.27829	8.34684	8.23197	11.1215	7.90041	7.80859	GTP binding protein 6 (putative) [Source:HGNC Symbol;Acc:HGNC	chrX:22141	NM_01222	XM_01154	.	.	NP_03635	XP_006724	protein_co	ENSG0000	8225	30189
GTPBP8	6.86003	6.86659	7.85392	6.98648	10.0913	7.16414	GTP binding protein 8 (putative) [Source:HGNC Symbol;Acc:HGNC	chr3:11270	NM_01417	.	.	.	NP_05488	.	protein_co	ENSG0000	29083	25007
GTSE1	19.6306	20.6881	17.4727	29.9354	30.0706	19.8234	G2 and S-phase expressed 1 [Source:HGNC Symbol;Acc:HGNC:13	chr22:4669	NM_01642	XM_00526	.	.	NP_05751	XP_005261	protein_co	ENSG0000	51512	13698
GTSF1	156.707	143.598	121.236	206.615	185.249	197.786	gametocyte specific factor 1 [Source:HGNC Symbol;Acc:HGNC:26	chr12:5484	NM_14459	XM_01701	.	.	NP_65319	XP_016874	protein_co	ENSG0000	121355	26565
GTSF1L	0	0	0	0	0	0	gametocyte specific factor 1 like [Source:HGNC Symbol;Acc:HGNC	chr20:4235	NM_00100	XM_00526	.	.	NP_00100	XP_005260	protein_co	ENSG0000	149699	16198
GUCA1A	0	0	0	0.071815	0	0	guanylate cyclase activator 1A [Source:HGNC Symbol;Acc:HGNC:4	chr6:42123	NM_00040	XM_01151	.	.	NP_00040	XP_011512	protein_co	ENSG0000	2978	4678
GUCA1B	1.94697	2.37224	1.58935	2.23624	1.97306	2.09009	guanylate cyclase activator 1B [Source:HGNC Symbol;Acc:HGNC:4	chr6:42152	NM_00209	.	.	.	NP_00208	.	protein_co	ENSG0000	2979	4679
GUCA1C	0	0	0	0	0.095245	0	guanylate cyclase activator 1C [Source:HGNC Symbol;Acc:HGNC:4	chr3:10862	NM_00545	XM_00524	.	.	NP_00545	XP_005247	protein_co	ENSG0000	9626	4680
GUCA2A	0	0	0	0	0	0	guanylate cyclase activator 2A [Source:HGNC Symbol;Acc:HGNC:4	chr1:42628	NM_03355	.	.	.	NP_29103	.	protein_co	ENSG0000	2980	4682
GUCA2B	0	0	0	0	0	0	guanylate cyclase activator 2B [Source:HGNC Symbol;Acc:HGNC:4	chr1:42619	NM_00710	.	.	.	NP_00903	.	protein_co	ENSG0000	2981	4683
GUCD1	21.072	23.0297	21.5738	21.8997	20.5013	18.015	guanylyl cyclase domain containing 1 [Source:HGNC Symbol;Acc:I	chr22:2493	NM_00128	XM_00526	.	.	NP_00127	XP_005261	protein_co	ENSG0000	83606	14237
GUCY1A2	0.027102	0.029758	0.025678	0.013713	0.012864	0.028896	guanylate cyclase 1 soluble subunit alpha 2 [Source:HGNC Symbo	chr11:1065	NM_00085	.	.	.	NP_00084	.	protein_co	ENSG0000	2977	4684
GUCY1A3	0	0	0	0	0	0	guanylate cyclase 1 soluble subunit alpha [Source:HGNC Symbol;A	chr4:15658	NM_00085	XM_01153	.	.	NP_00084	XP_005263	protein_co	ENSG0000	2982	4685
GUCY1B3	0	0	0	0	0	0	guanylate cyclase 1 soluble subunit beta [Source:HGNC Symbol;A	chr4:15668	NM_00085	XM_01700	.	.	NP_00084	XP_011530	protein_co	ENSG0000	2983	4687
GUCY2C	0	0	0.014234	0.01845	0	0	guanylate cyclase 2C [Source:HGNC Symbol;Acc:HGNC:4688]	chr12:1476	NM_00496	XM_01152	.	.	NP_00495	XP_011518	protein_co	ENSG0000	2984	4688
GUCY2D	0.200948	0.024392	0.085549	0.053462	0.147201	0.084384	guanylate cyclase 2D, retinal [Source:HGNC Symbol;Acc:HGNC:46	chr17:7905	NM_00018	XM_01152	.	.	NP_00017	XP_011522	protein_co	ENSG0000	3000	4689
GUCY2F	0	0.0198	0.049102	0.021164	0	0.038214	guanylate cyclase 2F, retinal [Source:HGNC Symbol;Acc:HGNC:46	chrX:10861	NM_00152	.	.	.	NP_00151	.	protein_co	ENSG0000	2986	4691
GUF1	11.4306	11.316	12.7124	12.8051	16.3772	15.5011	GUF1 homolog, GTPase [Source:HGNC Symbol;Acc:HGNC:25799]	chr4:44680	NM_02192	XM_01151	.	.	NP_06874	XP_005248	protein_co	ENSG0000	60558	25799
GUK1	118.481	120.791	101.535	138.126	106.435	84.5664	guanylate kinase 1 [Source:HGNC Symbol;Acc:HGNC:4693]	chr1:22832	NM_00085	XM_01700	.	.	NP_00084	XP_005273	protein_co	ENSG0000	2987	4693
GULP1	16.3396	18.3329	13.7632	15.2731	18.5463	17.4787	GULP, engulfment adaptor PTB domain containing 1 [Source:HGN	chr2:18915	NM_00125	XM_01151	.	.	NP_00123	XP_006712	protein_co	ENSG0000	51454	18649
GUSB	15.3952	14.2265	12.1968	20.1652	16.9048	14.0183	glucuronidase beta [Source:HGNC Symbol;Acc:HGNC:4696]	chr7:65425	NM_00018	XM_01151	.	.	NP_00017	XP_005250	protein_co	ENSG0000	2990	4696
GVQW1	0.045112	0.093958	0.116953	0	0.203334	0.092224	GVQW motif containing 1 [Source:HGNC Symbol;Acc:HGNC:3142	chr9:32540	.	.	.	.	.	.	protein_co	ENSG0000	.	31424
GVQW2	0.685504	0.6242	0.68153	0.779673	1.21491	1.07595	GVQW motif containing 2 [Source:HGNC Symbol;Acc:HGNC:5171	chr6:13904	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	100507462	51715
GXYLT1	4.53283	5.34641	3.82095	3.33747	5.05991	5.03222	glucoside xylosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:2	chr12:4247	NM_00109	XM_01701	.	.	NP_00109	XP_016874	protein_co	ENSG0000	283464	27482
GXYLT2	1.27419	1.34566	2.15304	1.80095	2.26028	2.99803	glucoside xylosyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:3	chr3:72937	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	727936	33383
GYG1	20.5236	20.8921	23.0239	23.5232	24.6723	23.8784	glycogenin 1 [Source:HGNC Symbol;Acc:HGNC:4699]	chr3:14870	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	2992	4699
GYG2	0	0	0	0	0	0	glycogenin 2 [Source:HGNC Symbol;Acc:HGNC:4700]	chrX:27468	NM_00107	XM_01702	.	.	NP_00107	XP_011543	protein_co	ENSG0000	8908	4700
GYPA	0.123489	0	0	0	0	0	glycophorin A (MNS blood group) [Source:HGNC Symbol;Acc:HGN	chr4:14503	NM_00130	XM_01700	.	.	NP_00129	XP_011530	protein_co	ENSG0000	2993	4702
GYPB	0	0	0	0	0	0	glycophorin B (MNS blood group) [Source:HGNC Symbol;Acc:HGN	chr4:14491	NM_00130	.	.	.	NP_00129	XP_011530	protein_co	ENSG0000	2994	4703
GYPC	0	0	0	0	0	0	glycophorin C (Gerbich blood group) [Source:HGNC Symbol;Acc:H	chr2:12741	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	2995	4704
GYPE	0	0	0	0	0	0	glycophorin E (MNS blood group) [Source:HGNC Symbol;Acc:HGN	chr4:14479	NM_00210	.	.	.	NP_00209	XP_016863	protein_co	ENSG0000	2996	4705
GYS1	22.6645	24.0021	21.0935	24.858	22.9283	16.9222	glycogen synthase 1 [Source:HGNC Symbol;Acc:HGNC:4706]	chr19:4947	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	2997	4706
GYS2	0.133826	0.355653	0.27256	0.126426	0.148986	0.154239	glycogen synthase 2 [Source:HGNC Symbol;Acc:HGNC:4707]	chr12:2168	NM_02195	XM_00671	.	.	NP_06877	XP_005253	protein_co	ENSG0000	2998	4707
GZF1	5.9595	6.49191	5.62194	5.39825	6.977	7.09039	GDNF inducible zinc finger protein 1 [Source:HGNC Symbol;Acc:H	chr20:2334	NM_00131	XM_01152	.	.	NP_00130	XP_005260	protein_co	ENSG0000	64412	15808
GZMA	0	0	0	0	0	0	granzyme A [Source:HGNC Symbol;Acc:HGNC:4708]	chr5:54398	NM_00614	.	.	.	NP_00613	.	protein_co	ENSG0000	3001	4708
GZMB	0	0	0	0.155824	0	0.152316	granzyme B [Source:HGNC Symbol;Acc:HGNC:4709]	chr14:2510	NM_00413	XM_01153	.	.	NP_00412	XP_011534	protein_co	ENSG0000	3002	4709
GZMH	0	0	0	0	0	0	granzyme H [Source:HGNC Symbol;Acc:HGNC:4710]	chr14:2507	NM_00127	XM_01153	.	.	NP_00125	XP_011534	protein_co	ENSG0000	2999	4710
GZMK	0	0	0	0	0	0	granzyme K [Source:HGNC Symbol;Acc:HGNC:4711]	chr5:54320	NM_00210	.	.	.	NP_00209	.	protein_co	ENSG0000	3003	4711
GZMM	0.34405	0	0.097598	0.607961	0.811428	0.519329	granzyme M [Source:HGNC Symbol;Acc:HGNC:4712]	chr19:5440	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	3004	4712
H1F0	283.244	289.244	393.078	360.076	359.899	498.388	H1 histone family member 0 [Source:HGNC Symbol;Acc:HGNC:47	chr22:3820	NM_00531	.	.	.	NP_00530	.	protein_co	ENSG0000	3005	4714
H1FNT	0	0	0	0	0	0	H1 histone family member N, testis specific [Source:HGNC Symbo	chr12:4872	NM_18178	.	.	.	NP_86145	.	protein_co	ENSG0000	341567	24893
H1FOO	0	0	0	0	0	0	H1 histone family member O, oocyte specific [Source:HGNC Symb	chr3:12926	NM_00130	XM_00524	.	.	NP_00129	XP_005247	protein_co	ENSG0000	132243	18463
H1FX	109.788	113.311	84.2715	137.945	119.304	165.163	H1 histone family member X [Source:HGNC Symbol;Acc:HGNC:47	chr3:12903	NM_00602	.	.	.	NP_00601	.	protein_co	ENSG0000	8971	4722

H2AFB1	0	0	0	0	0	0	H2A histone family member B1 [Source:HGNC Symbol;Acc:HGNC:	chrX:15406	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	474382	22516
H2AFB2	0	0	0	0	0	0	H2A histone family member B2 [Source:HGNC Symbol;Acc:HGNC:	chrX:15461	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	474381	18298
H2AFB3	0	0	0	0	0	0	H2A histone family member B3 [Source:HGNC Symbol;Acc:HGNC:	chrX:15468	NM_08072	.	.	.	NP_54245	.	protein_co	ENSG0000	83740	14455
H2AFJ	20.4346	19.0398	20.8387	23.5471	19.6936	22.7181	H2A histone family member J [Source:HGNC Symbol;Acc:HGNC:1	chr12:1492	NM_17792	.	.	.	NP_80876	.	protein_co	ENSG0000	55766	14456
H2AFV	134.01	135.08	112.358	152.168	138.446	170.784	H2A histone family member V [Source:HGNC Symbol;Acc:HGNC:2	chr7:44866	NM_01241	.	.	.	NP_03654	.	protein_co	ENSG0000	94239	20664
H2AFX	177.244	176.712	168.59	294.649	230.901	240.527	H2A histone family member X [Source:HGNC Symbol;Acc:HGNC:4	chr11:1189	NM_00210	.	.	.	NP_00209	.	protein_co	ENSG0000	3014	4739
H2AFY	119	129.458	108.556	144.451	126.961	104.58	H2A histone family member Y [Source:HGNC Symbol;Acc:HGNC:4	chr5:13466	NM_00104	XM_01154	.	.	NP_00103	XP_005272	protein_co	ENSG0000	9555	4740
H2AFY2	28.2814	27.7498	24.2744	37.9306	31.7379	28.1524	H2A histone family member Y2 [Source:HGNC Symbol;Acc:HGNC:	chr10:7181	NM_01864	.	.	.	NP_06111	.	protein_co	ENSG0000	55506	14453
H2AFZ	720.557	692.537	573.029	938.225	818.942	989.62	H2A histone family member Z [Source:HGNC Symbol;Acc:HGNC:4	chr4:10086	NM_00210	.	.	.	NP_00209	.	protein_co	ENSG0000	3015	4741
H2BFM	0	0	0	0	0	0	H2B histone family member M [Source:HGNC Symbol;Acc:HGNC:	chrX:10329	NM_00116	XM_01153	.	.	NP_00115	XP_006724	protein_co	ENSG0000	286436	27867
H2BFS	0	0	0	0	0	0	H2B histone family member S [Source:HGNC Symbol;Acc:HGNC:4	chr21:4494	.	XM_00672	.	.	.	XP_006723	protein_co	ENSG0000	102724334	4762
H2BFWT	0	0	0	0	0	0	H2B histone family member W, testis specific [Source:HGNC Sym	chrX:10326	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	158983	27252
H3F3A	96.8165	91.1094	101.53	138.811	108.726	122.414	H3 histone, family 3A [Source:HGNC Symbol;Acc:HGNC:4764]	chr1:22624	NM_00210	.	.	.	NP_00209	.	protein_co	ENSG0000	3020	4764
H3F3B	1258.52	1302.39	870.891	1761.31	1464.68	1227.68	H3 histone, family 3B [Source:HGNC Symbol;Acc:HGNC:4765]	chr17:7377	NM_00532	.	NR_03989	.	NP_00531	.	protein_co	ENSG0000	100616282	4765
H3F3C	1.16909	0.909182	0.585478	0.651614	0.662573	1.0862	H3 histone, family 3C [Source:HGNC Symbol;Acc:HGNC:33164]	chr12:3194	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	440093	33164
H6PD	5.37988	5.18626	8.69187	3.35415	3.52785	7.44354	hexose-6-phosphate dehydrogenase/glucose 1-dehydrogenase [S	chr1:92948	NM_00128	XM_01154	.	.	NP_00126	XP_005263	protein_co	ENSG0000	9563	4795
HAAO	0	0	0	0	0	0	3-hydroxyanthranilate 3,4-dioxygenase [Source:HGNC Symbol;Ac	chr2:42994	NM_01220	XM_01153	.	.	NP_03633	XP_005264	protein_co	ENSG0000	23498	4796
HABP2	0.043894	0.068077	0.057225	0	0	0.022849	hyaluronan binding protein 2 [Source:HGNC Symbol;Acc:HGNC:4	chr10:1153	NM_00117	.	.	.	NP_00117	.	protein_co	ENSG0000	3026	4798
HABP4	11.4723	12.756	16.3006	16.1997	13.0531	16.7824	hyaluronan binding protein 4 [Source:HGNC Symbol;Acc:HGNC:1	chr9:99212	NM_01428	.	.	.	NP_05509	.	protein_co	ENSG0000	22927	17062
HACD1	3.71792	3.53971	5.5946	1.82631	2.91674	3.52524	3-hydroxyacyl-CoA dehydratase 1 [Source:HGNC Symbol;Acc:HGN	chr10:1763	NM_01424	.	.	.	NP_05505	.	protein_co	ENSG0000	9200	9639
HACD2	27.5762	26.2197	22.813	24.0818	30.9851	30.2726	3-hydroxyacyl-CoA dehydratase 2 [Source:HGNC Symbol;Acc:HGN	chr3:12321	NM_19840	.	.	.	NP_94068	.	protein_co	ENSG0000	201562	9640
HACD3	46.9146	44.674	45.2581	51.7097	60.8323	47.9592	3-hydroxyacyl-CoA dehydratase 3 [Source:HGNC Symbol;Acc:HGN	chr15:6582	NM_01639	XM_01152	.	.	NP_05747	XP_011519	protein_co	ENSG0000	51495	24175
HACD4	0	0	0	0	0.012926	0	3-hydroxyacyl-CoA dehydratase 4 [Source:HGNC Symbol;Acc:HGN	chr9:20999	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	401494	20920
HACE1	4.17088	4.8091	4.08172	4.04486	4.87495	5.47199	HECT domain and ankyrin repeat containing E3 ubiquitin protein	chr6:10517	NM_00132	XM_01153	.	.	NP_00130	.	protein_co	ENSG0000	57531	21033
HACL1	9.45232	9.31929	9.62992	12.2291	10.2478	9.46332	2-hydroxyacyl-CoA lyase 1 [Source:HGNC Symbol;Acc:HGNC:1785	chr3:15602	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	26061	17856
HADH	19.0522	18.8787	19.8256	24.5366	22.4952	24.7285	hydroxyacyl-CoA dehydrogenase [Source:HGNC Symbol;Acc:HGN	chr4:10891	NM_00118	XM_00526	.	.	NP_00117	XP_005263	protein_co	ENSG0000	3033	4799
HADHA	57.3315	54.0971	60.6356	66.5922	56.3264	67.9125	hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-(	chr2:26413	NM_00018	.	.	.	NP_00017	.	protein_co	ENSG0000	3030	4801
HADHB	41.9194	40.7189	50.6124	40.8929	41.3581	50.454	hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-(	chr2:26467	NM_00018	XM_01153	.	.	NP_00017	XP_011531	protein_co	ENSG0000	3032	4803
HAGH	16.4376	18.5976	19.581	20.63	14.2989	17.3784	hydroxyacylglutathione hydrolase [Source:HGNC Symbol;Acc:HGI	chr16:1857	NM_00104	XM_01152	.	.	NP_00103	XP_011520	protein_co	ENSG0000	3029	4805
HAGHL	27.0384	27.298	30.5471	25.9436	20.006	23.0227	hydroxyacylglutathione hydrolase-like [Source:HGNC Symbol;Acc	chr16:7769	NM_00129	XM_01152	.	.	NP_00127	XP_005255	protein_co	ENSG0000	84264	14177
HAL	0.076851	0.440413	0.281055	0.234749	0.303929	0.267712	histidine ammonia-lyase [Source:HGNC Symbol;Acc:HGNC:4806]	chr12:9636	NM_00125	XM_01153	.	.	NP_00124	XP_011536	protein_co	ENSG0000	3034	4806
HAMP	0	0	0	0	0	0	hepcidin antimicrobial peptide [Source:HGNC Symbol;Acc:HGNC:	chr19:3577	NM_02117	.	.	.	NP_06699	.	protein_co	ENSG0000	57817	15598
HAND1	0	0	0	0.223195	0.079591	0.150365	heart and neural crest derivatives expressed 1 [Source:HGNC Sym	chr5:15385	NM_00482	XM_00526	.	.	NP_00481	XP_005268	protein_co	ENSG0000	9421	4807
HAND2	0	0	0	0	0	0	heart and neural crest derivatives expressed 2 [Source:HGNC Sym	chr4:17444	NM_02197	.	.	.	NP_06880	.	protein_co	ENSG0000	9464	4808
HAO1	0	0	0	0	0	0	hydroxyacid oxidase 1 [Source:HGNC Symbol;Acc:HGNC:4809]	chr20:7863	NM_01754	.	.	.	NP_06001	.	protein_co	ENSG0000	54363	4809
HAO2	0	0	0	0	0	0	hydroxyacid oxidase 2 [Source:HGNC Symbol;Acc:HGNC:4810]	chr1:11991	NM_00100	XM_01154	.	.	NP_00100	XP_011539	protein_co	ENSG0000	51179	4810
HAP1	0.764604	0.843049	1.61037	0.839341	0.710076	1.02591	huntingtin associated protein 1 [Source:HGNC Symbol;Acc:HGNC:	chr17:3987	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	9001	4812
HAPLN1	0	0.017134	0	0.018235	0	0	hyaluronan and proteoglycan link protein 1 [Source:HGNC Symbo	chr5:82933	NM_00188	XM_01154	.	.	NP_00187	XP_011541	protein_co	ENSG0000	1404	2380
HAPLN2	0.062028	0	0.105761	0	0	0.069912	hyaluronan and proteoglycan link protein 2 [Source:HGNC Symbo	chr1:15658	NM_02181	XM_01150	.	.	NP_06858	XP_005245	protein_co	ENSG0000	60484	17410
HAPLN3	7.81701	7.08153	12.8936	9.21656	6.66667	9.14428	hyaluronan and proteoglycan link protein 3 [Source:HGNC Symbo	chr15:8942	NM_00130	XM_01152	.	.	NP_00129	XP_011519	protein_co	ENSG0000	145864	21446
HAPLN4	0.026314	0	0.022489	0	0.030477	0	hyaluronan and proteoglycan link protein 4 [Source:HGNC Symbo	chr19:1936	NM_02300	.	.	.	NP_07537	.	protein_co	ENSG0000	404037	31357
HARBI1	2.07963	2.43714	2.00022	2.60608	2.12184	1.60713	harbinger transposase derived 1 [Source:HGNC Symbol;Acc:HGN	chr11:4662	NM_17381	.	.	.	NP_77617	XP_016873	protein_co	ENSG0000	283254	26522
HARS	59.6884	58.3026	56.0845	67.7571	63.8598	47.8097	histidyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:4816]	chr5:14004	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	3035	4816
HARS2	38.3946	37.222	32.9593	45.7714	41.5072	27.7831	histidyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;	chr5:14004	NM_00127	XM_01153	.	.	NP_00126	XP_011535	protein_co	ENSG0000	23438	4817
HAS1	0	0	0	0	0	0	hyaluronan synthase 1 [Source:HGNC Symbol;Acc:HGNC:4818]	chr19:5221	NM_00129	.	.	.	NP_00128	.	protein_co	ENSG0000	3036	4818
HAS2	0.098808	0.128187	0.102856	0.022684	0.108945	0.018999	hyaluronan synthase 2 [Source:HGNC Symbol;Acc:HGNC:4819]	chr8:12262	NM_00532	XM_01151	.	.	NP_00531	XP_011515	protein_co	ENSG0000	3037	4819
HAS3	26.1932	27.4787	49.4112	47.987	48.1547	33.2745	hyaluronan synthase 3 [Source:HGNC Symbol;Acc:HGNC:4820]	chr16:6913	NM_00119	XM_01152	.	.	NP_00118	XP_005255	protein_co	ENSG0000	3038	4820
HAT1	57.9677	48.807	57.2757	56.0941	76.2598	81.2424	histone acetyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:482	chr2:17277	NM_00364	XM_01151	.	.	NP_00363	XP_006712	protein_co	ENSG0000	8520	4821
HAUS1	34.2484	29.8885	26.62	40.6663	39.6796	37.0204	HAUS augmin like complex subunit 1 [Source:HGNC Symbol;Acc:H	chr18:4368	NM_13844	.	.	.	NP_61245	.	protein_co	ENSG0000	115106	25174
HAUS2	18.3211	18.8651	17.2289	17.3175	22.6894	16.812	HAUS augmin like complex subunit 2 [Source:HGNC Symbol;Acc:H	chr15:4284	NM_00113	XM_01702	.	.	NP_00112	XP_016877	protein_co	ENSG0000	55142	25530
HAUS3	9.80125	9.72108	9.80029	7.83394	12.3052	8.96815	HAUS augmin like complex subunit 3 [Source:HGNC Symbol;Acc:H	chr4:20736	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	79441	28719
HAUS4	22.9818	25.7589	22.945	25.0115	21.9732	22.498	HAUS augmin like complex subunit 4 [Source:HGNC Symbol;Acc:H	chr14:2341	NM_00116	.	NR_03985	.	NP_00115	.	protein_co	ENSG0000	100616424	20163
HAUS5	9.69279	10.9757	9.55065	10.1367	9.53355	8.76202	HAUS augmin like complex subunit 5 [Source:HGNC Symbol;Acc:H	chr19:3610	NM_01530	XM_00672	.	.	NP_05611	.	protein_co	ENSG0000	23354	29130
HAUS6	11.8341	11.3495	12.1056	13.5795	18.9271	16.354	HAUS augmin like complex subunit 6 [Source:HGNC Symbol;Acc:H	chr9:19053	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	54801	25948
HAUS7	7.77289	9.15144	7.2034	10.1502	10.6838	5.66484	HAUS augmin like complex subunit 7 [Source:HGNC Symbol;Acc:H	chrX:15271	NM_01751	.	.	.	NP_05998	.	protein_co	ENSG0000	55559	32979
HAUS8	11.5711	10.0908	8.93391	14.2328	11.145	9.35731	HAUS augmin like complex subunit 8 [Source:HGNC Symbol;Acc:H	chr19:1716	NM_00101	XM_01152	.	.	NP_00101	XP_005260	protein_co	ENSG0000	93323	30532
HAVCR1	0	0	0	0	0	0	hepatitis A virus cellular receptor 1 [Source:HGNC Symbol;Acc:HG	chr5:15645	NM_00109	XM_01153	.	.	NP_00109	XP_006714	protein_co	ENSG0000	26762	17866
HAVCR2	0.050063	0	0.021742	0.028067	0.084022	0.085534	hepatitis A virus cellular receptor 2 [Source:HGNC Symbol;Acc:HG	chr5:15651	NM_03278	.	.	.	NP_11617	.	protein_co	ENSG0000	84868	18437
HAX1	69.2921	64.0306	48.992	73.8429	53.4672	87.7531	HCLS1 associated protein X-1 [Source:HGNC Symbol;Acc:HGNC:1	chr1:15424	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	10456	16915

HBA1	0	0.727785	0.420737	0.265475	1.14917	0	hemoglobin subunit alpha 1 [Source:HGNC Symbol;Acc:HGNC:48	chr16:2266	NM_00055	.	.	.	NP_00054	.	protein_co	ENSG0000	3039	4823
HBA2	0.716018	0.704444	0.81502	1.53756	0.834412	2.10503	hemoglobin subunit alpha 2 [Source:HGNC Symbol;Acc:HGNC:48	chr16:2228	NM_00051	.	.	.	NP_00050	.	protein_co	ENSG0000	3040	4824
HBB	0	0	0	0.139368	0.147107	0	hemoglobin subunit beta [Source:HGNC Symbol;Acc:HGNC:4827]	chr11:5246	NM_00051	.	.	.	NP_00050	.	protein_co	ENSG0000	3043	4827
HBCBP	0	0	0	0	0	0	HBcAg-binding protein; Uncharacterized protein [Source:UniProt	chr12:5738	.	.	.	.	.	.	protein_co	ENSG0000	.	
HBD	0.095966	0	0	0	0	0	hemoglobin subunit delta [Source:HGNC Symbol;Acc:HGNC:4829	chr11:5253	NM_00051	.	.	.	NP_00051	.	protein_co	ENSG0000	3045	4829
HBE1	80.5405	75.5944	94.0482	38.43	30.1032	45.8544	hemoglobin subunit epsilon 1 [Source:HGNC Symbol;Acc:HGNC:4	chr11:5269	NM_00533	XM_01152	.	.	NP_00532	XP_01151	protein_co	ENSG0000	3046	4830
HBEGF	4.99445	5.07752	5.02295	6.09038	4.80931	10.1707	heparin binding EGF like growth factor [Source:HGNC Symbol;Acc	chr5:13971	NM_00194	.	.	.	NP_00193	.	protein_co	ENSG0000	1839	3059
HBG1	0	0	0.163583	0	0	0	hemoglobin subunit gamma 1 [Source:HGNC Symbol;Acc:HGNC:4	chr11:5269	NM_00055	.	.	.	NP_00055	.	protein_co	ENSG0000	3047	4831
HBG2	11.323	12.5143	13.2212	5.54001	4.98057	6.38271	hemoglobin subunit gamma 2 [Source:HGNC Symbol;Acc:HGNC:4	chr11:5269	NM_00018	.	.	.	NP_00017	.	protein_co	ENSG0000	3048	4832
HBM	0	0	0	0	0	0	hemoglobin subunit mu [Source:HGNC Symbol;Acc:HGNC:4826]	chr16:2159	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	3042	4826
HBP1	8.85076	9.00043	10.2012	6.09563	6.1782	10.2301	HMG-box transcription factor 1 [Source:HGNC Symbol;Acc:HGNC	chr7:10680	NM_00124	XM_00525	.	.	NP_00123	XP_00525	protein_co	ENSG0000	26959	23200
HBQ1	0	0	0	0	0	0	hemoglobin subunit theta 1 [Source:HGNC Symbol;Acc:HGNC:48	chr16:2304	NM_00533	.	.	.	NP_00532	.	protein_co	ENSG0000	3049	4833
HBS1L	37.9657	33.7391	38.1781	43.5358	49.9203	50.5286	HBS1 like translational GTPase [Source:HGNC Symbol;Acc:HGNC:	chr6:13528	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	10767	4834
HBZ	0	0.401589	0	0.292755	0	0.151863	hemoglobin subunit zeta [Source:HGNC Symbol;Acc:HGNC:4835]	chr16:2026	NM_00533	XM_01152	.	.	NP_00532	XP_00525	protein_co	ENSG0000	3050	4835
HCAR1	0	0	0	0	0	0	hydroxycarboxylic acid receptor 1 [Source:HGNC Symbol;Acc:HGN	chr12:1232	NM_03255	.	.	.	NP_11594	.	protein_co	ENSG0000	27198	4532
HCAR2	0	0	0	0.04158	0	0	hydroxycarboxylic acid receptor 2 [Source:HGNC Symbol;Acc:HGN	chr12:1231	NM_17755	.	.	.	NP_80821	.	protein_co	ENSG0000	338442	24827
HCAR3	0	0	0	0	0	0	hydroxycarboxylic acid receptor 3 [Source:HGNC Symbol;Acc:HGN	chr12:1231	NM_00601	.	.	.	NP_00600	.	protein_co	ENSG0000	8843	16824
HCCS	26.62	25.1897	24.7215	33.1252	32.4908	24.6513	holocytochrome c synthase [Source:HGNC Symbol;Acc:HGNC:48	chrX:11129	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	3052	4837
HCFC1	16.2183	17.3501	13.7715	17.115	17.2627	12.9482	host cell factor C1 [Source:HGNC Symbol;Acc:HGNC:4839]	chrX:15321	NM_00533	XM_01153	.	.	NP_00532	XP_006724	protein_co	ENSG0000	3054	4839
HCFC1R1	43.7007	39.8844	29.9616	55.6968	43.6744	39.7216	host cell factor C1 regulator 1 [Source:HGNC Symbol;Acc:HGNC:2	chr16:3072	NM_00100	XM_01152	.	.	NP_00100	XP_011520	protein_co	ENSG0000	54985	21198
HCFC2	1.52529	1.95132	1.86064	1.35761	1.82368	1.69501	host cell factor C2 [Source:HGNC Symbol;Acc:HGNC:24972]	chr12:1044	NM_01332	XM_01153	.	.	NP_03745	.	protein_co	ENSG0000	29915	24972
HCG27	0.400697	0.367165	0.542429	0.343886	0.402587	0.509073	HLA complex group 27 (non-protein coding) [Source:HGNC Symb	chr6:31165	.	.	.	.	.	.	protein_co	ENSG0000	253018	27366
HCK	0	0.059661	0.052071	0	0	0.076318	HCK proto-oncogene, Src family tyrosine kinase [Source:HGNC Sy	chr20:3063	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	3055	4840
HCLS1	0.233386	0.234495	0.159703	0.031709	0.083747	0.094098	hematopoietic cell-specific Lyn substrate 1 [Source:HGNC Symbol	chr3:12135	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	3059	4844
HCN1	0	0.019588	0.055381	0.031375	0.010069	0.053075	hyperpolarization activated cyclic nucleotide gated potassium cha	chr5:45255	NM_02107	.	.	.	NP_06655	.	protein_co	ENSG0000	348980	4845
HCN2	0.777558	0.86848	1.56205	0.79432	0.476871	0.45712	hyperpolarization activated cyclic nucleotide gated potassium cha	chr19:5898	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	610	4846
HCN3	2.80651	2.85	3.47489	1.84402	2.12136	1.34638	hyperpolarization activated cyclic nucleotide gated potassium cha	chr1:15524	NM_02089	XM_01150	.	.	NP_06594	XP_011508	protein_co	ENSG0000	57657	19183
HCN4	0.548255	0.903735	1.04562	0.707623	0.831838	1.01126	hyperpolarization activated cyclic nucleotide gated potassium cha	chr15:7361	NM_00547	.	.	.	NP_00546	.	protein_co	ENSG0000	10021	16882
HCRT	0	0	0	0	0	0	hypocretin neuropeptide precursor [Source:HGNC Symbol;Acc:HG	chr17:4033	NM_00152	.	.	.	NP_00151	.	protein_co	ENSG0000	3060	4847
HCRTR1	0	0	0	0	0	0	hypocretin receptor 1 [Source:HGNC Symbol;Acc:HGNC:4848]	chr1:32083	NM_00152	XM_01154	.	.	NP_00151	XP_011539	protein_co	ENSG0000	3061	4848
HCRTR2	0	0	0	0	0	0	hypocretin receptor 2 [Source:HGNC Symbol;Acc:HGNC:4849]	chr6:54971	NM_00152	.	.	.	NP_00151	XP_016866	protein_co	ENSG0000	3062	4849
HCST	0.732745	0.917737	2.15728	1.00496	0.625763	1.30515	hematopoietic cell signal transducer [Source:HGNC Symbol;Acc:H	chr19:3639	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	10870	16977
HDAC1	129.587	125.689	140.379	144.39	131.469	150.977	histone deacetylase 1 [Source:HGNC Symbol;Acc:HGNC:4852]	chr1:32757	NM_00496	.	.	.	NP_00495	.	protein_co	ENSG0000	3065	4852
HDAC10	9.57938	8.63623	11.2331	7.24475	7.10822	6.4614	histone deacetylase 10 [Source:HGNC Symbol;Acc:HGNC:18128]	chr22:5068	NM_00115	.	.	.	NP_00115	.	protein_co	ENSG0000	83933	18128
HDAC11	7.40558	6.81944	8.3358	8.83792	6.86683	6.72843	histone deacetylase 11 [Source:HGNC Symbol;Acc:HGNC:19086]	chr3:13521	NM_00113	XM_01153	.	.	NP_00112	XP_005265	protein_co	ENSG0000	79885	19086
HDAC2	80.7451	79.3937	75.0113	100.127	102.322	100.493	histone deacetylase 2 [Source:HGNC Symbol;Acc:HGNC:4853]	chr6:11425	NM_00152	XM_01153	.	.	NP_00151	XP_011534	protein_co	ENSG0000	3066	4853
HDAC3	40.7929	46.7323	47.5816	54.3857	44.4293	41.3556	histone deacetylase 3 [Source:HGNC Symbol;Acc:HGNC:4854]	chr5:14100	NM_00388	XM_01153	.	.	NP_00387	XP_011535	protein_co	ENSG0000	8841	4854
HDAC4	3.18959	3.166	4.30074	2.69669	3.00377	5.84999	histone deacetylase 4 [Source:HGNC Symbol;Acc:HGNC:14063]	chr2:23996	NM_00603	XM_01151	.	.	NP_00602	XP_006712	protein_co	ENSG0000	9759	14063
HDAC5	12.5816	13.304	11.8033	11.8807	10.5296	13.2325	histone deacetylase 5 [Source:HGNC Symbol;Acc:HGNC:14068]	chr17:4215	NM_00101	XM_01702	.	.	NP_00101	XP_005256	protein_co	ENSG0000	10014	14068
HDAC6	10.3547	10.3149	11.4371	12.6833	11.0086	10.2223	histone deacetylase 6 [Source:HGNC Symbol;Acc:HGNC:14064]	chrX:48660	NM_00132	XM_00672	.	.	NP_00130	XP_005272	protein_co	ENSG0000	10013	14064
HDAC7	10.8575	10.2264	9.1758	10.3211	10.7543	7.5532	histone deacetylase 7 [Source:HGNC Symbol;Acc:HGNC:14067]	chr12:4812	NM_00109	XM_01701	.	.	NP_00109	XP_005269	protein_co	ENSG0000	51564	14067
HDAC8	9.25077	8.22693	9.53491	11.2742	9.10886	9.31647	histone deacetylase 8 [Source:HGNC Symbol;Acc:HGNC:13315]	chrX:71549	NM_00116	XM_01153	.	.	NP_00115	XP_011529	protein_co	ENSG0000	55869	13315
HDAC9	3.43102	3.8194	1.80035	1.1611	1.22844	1.39514	histone deacetylase 9 [Source:HGNC Symbol;Acc:HGNC:14065]	chr7:18126	NM_00120	XM_01701	.	.	NP_00119	XP_011513	protein_co	ENSG0000	9734	14065
HDC	0	0	0	0	0	0	histidine decarboxylase [Source:HGNC Symbol;Acc:HGNC:4855]	chr15:5053	NM_00130	XM_01152	.	.	NP_00129	XP_011519	protein_co	ENSG0000	3067	4855
HDDC2	61.9604	60.2633	55.9765	90.3524	76.0325	76.4519	HD domain containing 2 [Source:HGNC Symbol;Acc:HGNC:21078]	chr6:12559	NM_01606	.	.	.	NP_05714	.	protein_co	ENSG0000	51020	21078
HDDC3	15.8672	13.2985	16.212	15.3224	9.65659	9.08724	HD domain containing 3 [Source:HGNC Symbol;Acc:HGNC:30522]	chr15:9147	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	374659	30522
HDGF	208.538	204.265	147.018	244.911	210.18	152.23	hepatoma-derived growth factor [Source:HGNC Symbol;Acc:HGN	chr1:15671	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	3068	4856
HDGFL1	0	0	0	0	0	0	hepatoma derived growth factor-like 1 [Source:HGNC Symbol;Acc	chr6:22569	NM_13857	.	.	.	NP_61264	.	protein_co	ENSG0000	154150	21095
HDHD2	11.5266	10.3327	12.0409	10.9727	12.7345	14.1029	haloacid dehalogenase like hydrolase domain containing 2 [Sourc	chr18:4463	NM_00131	XM_01152	.	.	NP_00130	XP_006722	protein_co	ENSG0000	84064	25364
HDHD3	15.4654	14.3242	16.6647	16.4243	15.4122	12.4229	haloacid dehalogenase like hydrolase domain containing 3 [Sourc	chr9:11613	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	81932	28171
HDLBP	101.625	107.91	98.4023	83.0141	78.6355	78.4324	high density lipoprotein binding protein [Source:HGNC Symbol;Ac	chr2:24216	NM_00124	XM_01700	.	.	NP_00123	XP_005247	protein_co	ENSG0000	3069	4857
HDX	0	0	0	0	0	0	highly divergent homeobox [Source:HGNC Symbol;Acc:HGNC:264	chrX:83572	NM_00117	XM_01153	.	.	NP_00117	XP_006724	protein_co	ENSG0000	139324	26411
HEATR1	19.9376	19.1946	20.8718	19.6896	23.2082	18.8976	HEAT repeat containing 1 [Source:HGNC Symbol;Acc:HGNC:2551	chr1:23668	NM_01807	XM_01154	.	.	NP_06054	XP_011542	protein_co	ENSG0000	55127	25517
HEATR3	6.81248	8.0034	8.60725	8.56829	10.4266	8.87231	HEAT repeat containing 3 [Source:HGNC Symbol;Acc:HGNC:2608	chr16:5009	NM_18292	XM_01152	.	.	NP_89155	XP_005256	protein_co	ENSG0000	55027	26087
HEATR4	0	0	0	0	0	0	HEAT repeat containing 4 [Source:HGNC Symbol;Acc:HGNC:1676	chr14:7394	NM_00122	XM_01153	.	.	NP_00120	XP_006720	protein_co	ENSG0000	399671	16761
HEATR5A	8.23789	7.8033	11.6744	9.67221	8.63973	9.42534	HEAT repeat containing 5A [Source:HGNC Symbol;Acc:HGNC:202	chr14:3176	NM_01547	.	.	.	NP_05628	.	protein_co	ENSG0000	25938	20276
HEATR5B	5.26323	5.8408	5.8272	3.6157	4.45903	4.51158	HEAT repeat containing 5B [Source:HGNC Symbol;Acc:HGNC:292	chr2:37208	NM_01902	XM_01700	.	.	NP_06189	XP_006712	protein_co	ENSG0000	54497	29273
HEATR6	11.4247	12.3324	11.2799	10.2498	11.3805	12.8682	HEAT repeat containing 6 [Source:HGNC Symbol;Acc:HGNC:2407	chr17:5812	NM_02207	XM_01152	.	.	NP_07135	XP_005257	protein_co	ENSG0000	63897	24076
HEATR9	0	0	0	0	0	0	HEAT repeat containing 9 [Source:HGNC Symbol;Acc:HGNC:2654	chr17:3418	NM_00132	XM_01152	.	.	NP_00130	XP_005278	protein_co	ENSG0000	256957	26548

HEBP1	19.5365	22.9508	25.207	24.3041	19.7949	24.3717	heme binding protein 1 [Source:HGNC Symbol;Acc:HGNC:17176]	chr12:1312	NM_01598	.	.	.	NP_05707	.	protein_co	ENSG0000	50865	17176
HEBP2	23.9247	23.9778	24.0389	27.3203	25.7863	27.6601	heme binding protein 2 [Source:HGNC Symbol;Acc:HGNC:15716]	chr6:13872	NM_01432	.	.	.	NP_00131	XP_01686	protein_co	ENSG0000	23593	15716
HECA	3.79133	3.86603	4.5074	2.84412	4.28818	5.83769	hdc homolog, cell cycle regulator [Source:HGNC Symbol;Acc:HGN	chr6:13945	NM_01621	.	.	.	NP_05730	.	protein_co	ENSG0000	51696	21041
HECTD1	22.3089	22.9684	21.5769	19.656	24.9739	24.6704	HECT domain E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;	chr14:3156	NM_01538	XM_01153	.	.	NP_05619	XP_00526	protein_co	ENSG0000	25831	20157
HECTD2	2.25333	2.17251	1.59165	1.71938	2.3705	2.16914	HECT domain E3 ubiquitin protein ligase 2 [Source:HGNC Symbol;	chr10:9317	NM_00128	XM_01701	.	.	NP_00127	XP_01687	protein_co	ENSG0000	143279	26736
HECTD3	13.251	13.2225	14.2959	7.36139	6.73094	6.17846	HECT domain E3 ubiquitin protein ligase 3 [Source:HGNC Symbol;	chr1:45468	NM_02460	XM_01154	.	.	NP_07887	XP_01154	protein_co	ENSG0000	79654	26117
HECTD4	3.26962	3.60735	4.34831	2.52172	3.00214	2.81939	HECT domain E3 ubiquitin protein ligase 4 [Source:HGNC Symbol;	chr12:1125	NM_00110	.	NR_10692	.	NP_00110	.	protein_co	ENSG0000	102465519	26611
HECW1	1.23511	1.31644	1.20804	0.554444	0.947983	0.814965	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 1	chr7:43152	NM_00128	XM_01701	.	.	NP_00127	XP_00524	protein_co	ENSG0000	23072	22195
HECW2	0.412621	0.329933	0.429597	0.381893	0.367526	0.356643	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	chr2:19705	NM_00130	XM_01700	.	.	NP_00129	XP_00671	protein_co	ENSG0000	57520	29853
HEG1	1.14039	1.05289	1.24188	0.836439	0.989436	1.20161	heart development protein with EGF like domains 1 [Source:HGN	chr3:12468	NM_02073	XM_00524	.	.	NP_06578	XP_00524	protein_co	ENSG0000	57493	29227
HELB	1.53837	1.86373	1.83966	1.25433	1.51157	1.86096	DNA helicase B [Source:HGNC Symbol;Acc:HGNC:17196]	chr12:6669	NM_03364	XM_00526	.	.	NP_38746	XP_00526	protein_co	ENSG0000	92797	17196
HELLS	17.9905	15.3355	17.2709	14.1459	15.2444	14.2757	helicase, lymphoid-specific [Source:HGNC Symbol;Acc:HGNC:486	chr10:9616	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	3070	4861
HELQ	3.44405	2.71132	3.2893	3.13676	3.74468	3.54634	helicase, POLQ-like [Source:HGNC Symbol;Acc:HGNC:18536]	chr4:84328	NM_00129	XM_01153	.	.	NP_00128	XP_00526	protein_co	ENSG0000	113510	18536
HELT	0	0	0	0	0	0	helt bHLH transcription factor [Source:HGNC Symbol;Acc:HGNC:3	chr4:18593	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	391723	33783
HELZ	7.35265	6.69626	8.43678	5.83768	7.6617	7.17111	helicase with zinc finger [Source:HGNC Symbol;Acc:HGNC:16878]	chr17:6506	NM_01487	XM_01702	.	.	NP_05569	XP_00525	protein_co	ENSG0000	9931	16878
HELZ2	7.82129	8.96287	8.36224	7.04649	6.95341	8.94124	helicase with zinc finger 2 [Source:HGNC Symbol;Acc:HGNC:3002	chr20:6218	NM_00103	XM_01152	.	.	NP_00103	XP_01152	protein_co	ENSG0000	85441	30021
HEMGN	0	0	0	0	0	0	hemogen [Source:HGNC Symbol;Acc:HGNC:17509]	chr9:10068	NM_01843	XM_01151	.	.	NP_06090	XP_00525	protein_co	ENSG0000	55363	17509
HEMK1	9.10371	8.41956	9.32013	5.89117	5.11403	6.64121	HemK methyltransferase family member 1 [Source:HGNC Symbol	chr3:50595	NM_01617	XM_01153	.	.	NP_00130	XP_01153	protein_co	ENSG0000	51409	24923
HENMT1	0	0	0.040637	0	0	0	HEN1 methyltransferase homolog 1 [Source:HGNC Symbol;Acc:H	chr1:10919	NM_00110	XM_00527	.	.	NP_00109	XP_00527	protein_co	ENSG0000	113802	26400
HEPACAM	0	0	0	0	0	0	hepatic and glial cell adhesion molecule [Source:HGNC Symbol;Ac	chr11:1247	NM_15272	XM_01154	.	.	NP_68993	XP_00527	protein_co	ENSG0000	220296	26361
HEPACAM2	0	0.040699	0.033449	0	0.04313	0.038627	HEPACAM family member 2 [Source:HGNC Symbol;Acc:HGNC:27	chr7:92817	NM_00103	XM_01151	.	.	NP_00103	XP_01151	protein_co	ENSG0000	253012	27364
HEPH	0.286301	0.511467	0.31476	0.146897	0.094657	0.094033	hephaestin [Source:HGNC Symbol;Acc:HGNC:4866]	chrX:65382	NM_00113	XM_01153	.	.	NP_00112	XP_00672	protein_co	ENSG0000	9843	4866
HEPHL1	0	0.013271	0.021878	0.014172	0	0	hephaestin like 1 [Source:HGNC Symbol;Acc:HGNC:30477]	chr11:9375	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	341208	30477
HEPN1	0	0	0	0	0	0	hepatocellular carcinoma, down-regulated 1 [Source:HGNC Symb	chr11:1247	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	641654	34400
HERC1	2.9926	3.22235	3.58161	2.4758	2.87364	2.81234	HECT and RLD domain containing E3 ubiquitin protein ligase fami	chr15:6390	NM_00392	XM_01152	.	.	NP_00391	XP_01687	protein_co	ENSG0000	8925	4867
HERC2	10.2205	10.0997	10.2963	10.111	9.81637	8.73512	HECT and RLD domain containing E3 ubiquitin protein ligase 2 [Sc	chr15:2835	NM_00466	XM_01702	.	.	NP_00465	XP_00526	protein_co	ENSG0000	8924	4868
HERC3	1.91807	2.43425	3.01529	2.05548	3.33059	3.77026	HECT and RLD domain containing E3 ubiquitin protein ligase 3 [Sc	chr4:89513	NM_00127	XM_00526	.	.	NP_00125	XP_00526	protein_co	ENSG0000	8916	4876
HERC4	9.24355	9.75808	11.3878	9.50382	10.4215	10.9985	HECT and RLD domain containing E3 ubiquitin protein ligase 4 [Sc	chr10:6968	NM_00127	XM_01153	.	.	NP_00126	XP_01153	protein_co	ENSG0000	26091	24521
HERC5	18.4429	17.6658	5.96995	14.1959	16.7561	19.664	HECT and RLD domain containing E3 ubiquitin protein ligase 5 [Sc	chr4:89378	NM_01632	XM_01153	.	.	NP_05740	XP_01153	protein_co	ENSG0000	51191	24368
HERC6	4.88482	5.48106	3.96682	3.59798	4.52526	3.38527	HECT and RLD domain containing E3 ubiquitin protein ligase fami	chr4:89299	NM_00116	XM_01153	.	.	NP_00115	XP_00526	protein_co	ENSG0000	55008	26072
HERPUD1	84.9197	85.5703	27.0849	57.0443	50.735	74.854	homocysteine inducible ER protein with ubiquitin like domain 1 [S	chr16:5696	NM_00101	XM_00672	.	.	NP_00101	.	protein_co	ENSG0000	9709	13744
HERPUD2	8.59639	8.21649	9.9102	7.63288	6.91665	10.4807	HERPUD family member 2 [Source:HGNC Symbol;Acc:HGNC:2191	chr7:35672	NM_02237	XM_01701	.	.	NP_07176	XP_01686	protein_co	ENSG0000	64224	21915
HES1	9.47672	9.13381	17.712	14.5369	13.7839	23.6903	hes family bHLH transcription factor 1 [Source:HGNC Symbol;Acc	chr3:19385	NM_00552	.	.	.	NP_00551	.	protein_co	ENSG0000	3280	5192
HES2	9.15189	9.82303	10.6041	9.2714	8.17937	10.5234	hes family bHLH transcription factor 2 [Source:HGNC Symbol;Acc	chr1:64724	NM_01908	XM_01154	.	.	NP_06196	XP_01153	protein_co	ENSG0000	54626	16005
HES3	0	0	0	0	0	0	hes family bHLH transcription factor 3 [Source:HGNC Symbol;Acc	chr1:63042	NM_00102	XM_01154	.	.	NP_00101	.	protein_co	ENSG0000	390992	26226
HES4	55.8024	67.2033	52.2253	64.5858	44.5724	59.3144	hes family bHLH transcription factor 4 [Source:HGNC Symbol;Acc	chr1:93434	NM_00114	XM_00524	.	.	NP_00113	XP_00524	protein_co	ENSG0000	57801	24149
HES5	0	0	0	0	0	0.10985	hes family bHLH transcription factor 5 [Source:HGNC Symbol;Acc	chr1:24601	NM_00101	XM_00524	.	.	NP_00101	XP_00524	protein_co	ENSG0000	388585	19764
HES6	46.2597	48.7871	60.5482	61.9958	51.1198	47.298	hes family bHLH transcription factor 6 [Source:HGNC Symbol;Acc	chr2:23914	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	55502	18254
HES7	0.0708	0.069305	0.060701	0	0.527758	0.256048	hes family bHLH transcription factor 7 [Source:HGNC Symbol;Acc	chr17:8023	NM_00116	XM_01152	.	.	NP_00115	.	protein_co	ENSG0000	84667	15977
HESX1	1.46414	1.61995	0.958967	1.15442	1.68271	1.42099	HESX homeobox 1 [Source:HGNC Symbol;Acc:HGNC:4877]	chr3:57231	NM_00386	XM_01153	.	.	NP_00385	XP_00526	protein_co	ENSG0000	8820	4877
HEXA	25.2835	28.9908	23.9372	19.3091	16.6878	17.6845	hexosaminidase subunit alpha [Source:HGNC Symbol;Acc:HGNC:4	chr15:7263	NM_00052	.	.	.	NP_00051	.	protein_co	ENSG0000	3073	4878
HEXB	54.4943	54.042	55.6355	54.3381	58.375	67.5124	hexosaminidase subunit beta [Source:HGNC Symbol;Acc:HGNC:48	chr5:73923	NM_00052	.	.	.	NP_00051	.	protein_co	ENSG0000	3074	4879
HEXDC	8.33916	7.27793	9.50625	6.39791	4.94706	7.21121	hexosaminidase D [Source:HGNC Symbol;Acc:HGNC:26307]	chr17:8034	NM_17362	XM_00672	.	.	NP_77589	XP_00525	protein_co	ENSG0000	284004	26307
HEXIM1	38.7517	40.1725	40.3695	44.5968	46.0849	38.6874	hexamethylene bisacetamide inducible 1 [Source:HGNC Symbol;A	chr17:4322	NM_00646	.	.	.	NP_00645	.	protein_co	ENSG0000	10614	24953
HEXIM2	7.65645	7.59849	8.80214	11.4803	10.5555	9.2986	hexamethylene bisacetamide inducible 2 [Source:HGNC Symbol;A	chr17:4323	NM_00130	XM_01152	.	.	NP_00129	XP_00672	protein_co	ENSG0000	124790	28591
HEY1	1.24927	0.750149	0.295391	0.575265	0.582323	1.55888	hes related family bHLH transcription factor with YRPW motif 1 [S	chr8:80676	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	23462	4880
HEY2	0.136449	0.281616	0.32329	0.151898	0.043202	0.270889	hes related family bHLH transcription factor with YRPW motif 2 [S	chr6:12606	NM_01225	XM_01701	.	.	NP_03639	XP_01153	protein_co	ENSG0000	23493	4881
HEYL	5.39857	5.11909	5.58876	5.13319	4.83814	4.47375	hes related family bHLH transcription factor with YRPW motif-like	chr1:40089	NM_01457	.	.	.	NP_05538	XP_00527	protein_co	ENSG0000	26508	4882
HFE	6.15685	7.58488	5.2921	6.53286	8.11345	5.12226	hemochromatosis [Source:HGNC Symbol;Acc:HGNC:4886]	chr6:26087	NM_00041	XM_01151	.	.	NP_00040	XP_01151	protein_co	ENSG0000	3077	4886
HFE2	0	0	0	0	0	0	hemochromatosis type 2 (juvenile) [Source:HGNC Symbol;Acc:HG	chr1:14539	NM_14527	XM_00527	.	.	NP_00130	XP_00527	protein_co	ENSG0000	148738	4887
HFM1	0.06169	0.050754	0.080747	0.035929	0.06713	0.087032	HFM1, ATP dependent DNA helicase homolog [Source:HGNC Sym	chr1:91726	NM_00101	XM_01154	.	.	NP_00101	XP_01153	protein_co	ENSG0000	164045	20193
HGD	0.180072	0.075319	0.125302	0.20105	0.161648	0.146449	homogentisate 1,2-dioxygenase [Source:HGNC Symbol;Acc:HGNC	chr3:12034	NM_00018	XM_00524	.	.	NP_00017	XP_00524	protein_co	ENSG0000	3081	4892
HGF	0	0	0	0	0	0	hepatocyte growth factor [Source:HGNC Symbol;Acc:HGNC:4893]	chr7:81328	NM_00060	XM_01151	.	.	NP_00059	XP_00671	protein_co	ENSG0000	3082	4893
HGFAC	0.047207	0.090605	0.076541	0.049778	0.05554	0	HGF activator [Source:HGNC Symbol;Acc:HGNC:4894]	chr4:34436	NM_00129	XM_01151	.	.	NP_00128	.	protein_co	ENSG0000	3083	4894
HGH1	1.74487	2.03035	1.41014	1.64158	1.65224	0.722665	HGH1 homolog [Source:HGNC Symbol;Acc:HGNC:24161]	chr8:14519	NM_01645	.	.	.	NP_05754	.	protein_co	ENSG0000	51236	24161
HGS	74.9181	77.7219	64.7756	90.4348	77.2931	62.5257	hepatocyte growth factor-regulated tyrosine kinase substrate [So	chr17:7965	NM_00471	XM_01152	.	.	NP_00470	XP_01152	protein_co	ENSG0000	9146	4897
HGSNAT	3.66027	4.36063	5.38864	2.82804	3.24817	4.94374	heparan-alpha-glucosaminide N-acetyltransferase [Source:HGNC	chr8:42995	NM_15241	XM_00527	.	.	NP_68963	XP_00527	protein_co	ENSG0000	138050	26527
HHAT	2.07439	1.4201	3.4404	1.41269	1.3288	2.28059	hedgehog acyltransferase [Source:HGNC Symbol;Acc:HGNC:1827	chr1:21050	NM_00112	XM_01700	.	.	NP_00111	XP_00671	protein_co	ENSG0000	55733	18270
HHATL	0.052601	0.106189	0.042074	0.114159	0	0.056132	hedgehog acyltransferase-like [Source:HGNC Symbol;Acc:HGNC:1	chr3:42734	NM_02070	XM_01700	.	.	NP_06575	XP_00671	protein_co	ENSG0000	57467	13242

HHEX	9.67904	8.99049	8.84578	12.1407	9.15173	7.55371	hematopoietically expressed homeobox [Source:HGNC Symbol;A	chr10:9444	NM_00272	.	.	.	NP_00272(	.	protein_co	ENSG0000(	3087	4901
HHIP	0	0	0	0	0.010117	0	hedgehog interacting protein [Source:HGNC Symbol;Acc:HGNC:1	chr4:14556	NM_02247	XM_00671	.	.	NP_07192(	XP_005263	protein_co	ENSG0000(	64399	14866
HHIPL1	0.043262	0.011228	0	0.09167	0	0.012073	HHIP like 1 [Source:HGNC Symbol;Acc:HGNC:19710]	chr14:1001	NM_00112	XM_01702	.	.	NP_00112(	XP_00672(	protein_co	ENSG0000(	84439	19710
HHIPL2	0.085066	0.231012	0.049065	0.093036	0.161955	0	HHIP like 2 [Source:HGNC Symbol;Acc:HGNC:25842]	chr1:22269	NM_02474	XM_01150	.	.	NP_07902	XP_011508	protein_co	ENSG0000(	79802	25842
HHLA1	0	0	0	0	0	0	HERV-H LTR-associating 1 [Source:HGNC Symbol;Acc:HGNC:4904]	chr8:13303	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000(	10086	4904
HHLA2	0	0	0	0	0.055359	0	HERV-H LTR-associating 2 [Source:HGNC Symbol;Acc:HGNC:4905]	chr3:10801	NM_00128	XM_01151	.	.	NP_00126	XP_005247	protein_co	ENSG0000(	11148	4905
HHLA3	9.66499	7.54585	7.64905	11.0699	7.68683	11.4245	HERV-H LTR-associating 3 [Source:HGNC Symbol;Acc:HGNC:4906]	chr1:70820	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000(	11147	4906
HIBADH	22.8063	24.015	28.2113	24.914	23.6972	35.0585	3-hydroxyisobutyrate dehydrogenase [Source:HGNC Symbol;Acc:	chr7:27565	NM_15274	.	.	.	NP_68995	.	protein_co	ENSG0000(	11112	4907
HIBCH	9.80549	9.42928	11.9794	9.8138	11.8281	10.0588	3-hydroxyisobutyryl-CoA hydrolase [Source:HGNC Symbol;Acc:HG	chr2:19106	NM_01436	XM_01151	.	.	NP_05517	XP_011509	protein_co	ENSG0000(	26275	4908
HIC1	0.013222	0.070409	0.038749	0.014161	0.167096	0.043775	hypermethylated in cancer 1 [Source:HGNC Symbol;Acc:HGNC:49	chr17:1958	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000(	3090	4909
HIC2	3.18746	3.33015	3.31104	3.26796	3.66889	2.96393	hypermethylated in cancer 2 [Source:HGNC Symbol;Acc:HGNC:18	chr22:2177	NM_01509	XM_01702	.	.	NP_05590	XP_005261	protein_co	ENSG0000(	23119	18595
HID1	13.7547	14.2768	17.1324	15.7863	12.9025	15.2706	HID1 domain containing [Source:HGNC Symbol;Acc:HGNC:15736]	chr17:7294	NM_03063	XM_00525	.	.	NP_08513	XP_005257	protein_co	ENSG0000(	283987	15736
HIF1A	41.6186	42.6531	47.0546	43.1769	48.4242	51.0655	hypoxia inducible factor 1 alpha subunit [Source:HGNC Symbol;A	chr14:6216	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000(	3091	4910
HIF1AN	13.6434	14.6489	14.6131	13.0486	13.4538	13.0254	hypoxia inducible factor 1 alpha subunit inhibitor [Source:HGNC S	chr10:1022	NM_01790	XM_01153	.	.	NP_06037	XP_011538	protein_co	ENSG0000(	55662	17113
HIF3A	0.015961	0.016201	0.013727	0.05472	0.054065	0	hypoxia inducible factor 3 alpha subunit [Source:HGNC Symbol;A	chr19:4680	NM_02246	XM_00672	.	.	NP_07190	XP_005259	protein_co	ENSG0000(	64344	15825
HIGD1A	105.025	98.0574	101.154	149.863	142.651	141.79	HIG1 hypoxia inducible domain family member 1A [Source:HGNC	chr3:42825	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000(	25994	29527
HIGD1B	0	0	0	0	0	0	HIG1 hypoxia inducible domain family member 1B [Source:HGNC	chr17:4292	NM_00127	XM_01152	.	.	NP_00125	XP_006722	protein_co	ENSG0000(	51751	24318
HIGD1C	0	0	0	0	0	0	HIG1 hypoxia inducible domain family member 1C [Source:HGNC	chr12:5134	NM_0011(	.	.	.	NP_00110	.	protein_co	ENSG0000(	613227	28044
HIGD2A	168.039	152.609	129.16	184.902	145.826	138.217	HIG1 hypoxia inducible domain family member 2A [Source:HGNC	chr5:17581	NM_13882	.	.	.	NP_62017	.	protein_co	ENSG0000(	192286	28311
HIGD2B	0	0	0	0	0	0	HIG1 hypoxia inducible domain family member 2B [Source:HGNC	chr15:7296	.		.	.	.	.	protein_co	ENSG0000(	.	26984
HIKESHI	42.4717	32.0998	38.4923	46.3406	41.1952	47.9939	Hikeshi, heat shock protein nuclear import factor [Source:HGNC S	chr11:8601	NM_01640	XM_01154	.	.	NP_05748	XP_016873	protein_co	ENSG0000(	51501	26938
HILPDA	25.7164	25.376	20.5332	34.2836	31.6122	23.44	hypoxia inducible lipid droplet associated [Source:HGNC Symbol;	chr7:12809	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000(	29923	28859
HINFP	11.1716	11.7077	9.96591	10.4364	10.9701	8.36148	histone H4 transcription factor [Source:HGNC Symbol;Acc:HGNC:	chr11:1189	NM_00124	XM_01154	.	.	NP_00123	XP_011541	protein_co	ENSG0000(	25988	17850
HINT1	318.823	313.246	261.194	389.242	311.106	318.567	histidine triad nucleotide binding protein 1 [Source:HGNC Symbo	chr5:13049	NM_00534	XM_01154	.	.	NP_00533	XP_011541	protein_co	ENSG0000(	3094	4912
HINT2	35.0904	37.1265	25.9281	45.9411	30.9875	40.3887	histidine triad nucleotide binding protein 2 [Source:HGNC Symbo	chr9:35812	NM_03259	.	.	.	NP_11598	.	protein_co	ENSG0000(	84681	18344
HINT3	8.5811	9.72018	8.64124	7.86901	9.57347	9.06529	histidine triad nucleotide binding protein 3 [Source:HGNC Symbo	chr6:12627	NM_13857	.	.	.	NP_61263	.	protein_co	ENSG0000(	135114	18468
HIP1	8.26295	8.27858	8.56041	8.5772	8.89355	8.26772	huntingtin interacting protein 1 [Source:HGNC Symbol;Acc:HGNC	chr7:75162	NM_00124	XM_01701	.	.	NP_00123(	XP_00525(	protein_co	ENSG0000(	3092	4913
HIP1R	19.3125	21.39	19.1399	21.4156	20.6805	20.6588	huntingtin interacting protein 1 related [Source:HGNC Symbol;Ac	chr12:1233	NM_00395	XM_01153	.	.	NP_00395(	XP_011537	protein_co	ENSG0000(	9026	18415
HIPK1	11.2927	12.1774	11.5804	10.5812	11.0025	11.5871	homeodomain interacting protein kinase 1 [Source:HGNC Symbo	chr1:11447	NM_15269	XM_01700	.	.	NP_68990	XP_00527(	protein_co	ENSG0000(	204851	19006
HIPK2	11.463	12.2802	11.5547	9.52594	10.9305	11.8502	homeodomain interacting protein kinase 2 [Source:HGNC Symbo	chr7:13924	NM_00111	XM_01701	.	.	NP_00110(	XP_006715	protein_co	ENSG0000(	28996	14402
HIPK3	8.54527	9.18887	11.3242	7.94369	9.35764	10.8071	homeodomain interacting protein kinase 3 [Source:HGNC Symbo	chr11:3327	NM_00104	XM_01701	.	.	NP_00104	XP_005252	protein_co	ENSG0000(	10114	4915
HIPK4	0.166061	0.550882	0.17067	0.387252	0.350936	0.299354	homeodomain interacting protein kinase 4 [Source:HGNC Symbo	chr19:4088	NM_14468	XM_00672	.	.	NP_65328(	XP_006723	protein_co	ENSG0000(	147746	19007
HIRA	14.1531	14.5444	13.613	16.5588	15.1212	14.1334	histone cell cycle regulator [Source:HGNC Symbol;Acc:HGNC:491	chr22:1931	NM_00332	.	.	.	NP_00331	.	protein_co	ENSG0000(	7290	4916
HIRIP3	15.428	16.0606	11.4472	15.6556	17.313	13.7997	HIRA interacting protein 3 [Source:HGNC Symbol;Acc:HGNC:4917	chr16:3000	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000(	8479	4917
HIST1H1A	0	0	0	0	0	0	histone cluster 1, H1a [Source:HGNC Symbol;Acc:HGNC:4715]	chr6:26017	NM_00532	.	.	.	NP_00531	.	protein_co	ENSG0000(	3024	4715
HIST1H1B	0	0	0	0	0	0	histone cluster 1, H1b [Source:HGNC Symbol;Acc:HGNC:4719]	chr6:27834	NM_00532	.	.	.	NP_00531	.	protein_co	ENSG0000(	3009	4719
HIST1H1C	15.4919	12.9954	14.3637	21.6811	22.5191	23.4123	histone cluster 1, H1c [Source:HGNC Symbol;Acc:HGNC:4716]	chr6:26056	NM_00531	.	.	.	NP_00531(	.	protein_co	ENSG0000(	3006	4716
HIST1H1D	0	0	0	0	0	0	histone cluster 1, H1d [Source:HGNC Symbol;Acc:HGNC:4717]	chr6:26234	NM_00532	.	.	.	NP_00531	.	protein_co	ENSG0000(	3007	4717
HIST1H1E	0.380476	0.989748	0.218495	0.271348	0.451396	1.14099	histone cluster 1, H1e [Source:HGNC Symbol;Acc:HGNC:4718]	chr6:26156	NM_00532	.	.	.	NP_00531	.	protein_co	ENSG0000(	3008	4718
HIST1H1T	0	0	0.102899	0	0	0	histone cluster 1, H1t [Source:HGNC Symbol;Acc:HGNC:4720]	chr6:26107	NM_00532	.	.	.	NP_00531	.	protein_co	ENSG0000(	3010	4720
HIST1H2AA	0	0	0	0	0	0	histone cluster 1, H2aa [Source:HGNC Symbol;Acc:HGNC:18729]	chr6:25726	NM_17074	.	.	.	NP_73446	.	protein_co	ENSG0000(	221613	18729
HIST1H2AB	0	0	0.350477	0	0.482782	0.451732	histone cluster 1, H2ab [Source:HGNC Symbol;Acc:HGNC:4734]	chr6:26033	NM_00351	.	.	.	NP_00350	.	protein_co	ENSG0000(	8335	4734
HIST1H2AC	3.57193	3.33989	3.92544	2.51071	5.41403	5.73313	histone cluster 1, H2ac [Source:HGNC Symbol;Acc:HGNC:4733]	chr6:26124	NM_00351	.	.	.	NP_00350	.	protein_co	ENSG0000(	8334	4733
HIST1H2AD	1.9E-06	1.48E-19	1.4E-05	3.23E-05	7.23E-29	3.33E-12	histone cluster 1, H2ad [Source:HGNC Symbol;Acc:HGNC:4729]	chr6:26196	NM_02106	.	.	.	NP_06640	.	protein_co	ENSG0000(	3013	4729
HIST1H2AE	0	0	0	0	0	0	histone cluster 1, H2ae [Source:HGNC Symbol;Acc:HGNC:4724]	chr6:26217	NM_02105	.	.	.	NP_06639(	.	protein_co	ENSG0000(	3012	4724
HIST1H2AG	0.815643	0.813177	0.705343	1.00904	1.48224	1.29186	histone cluster 1, H2ag [Source:HGNC Symbol;Acc:HGNC:4737]	chr6:27100	NM_02106	.	.	.	NP_06640	.	protein_co	ENSG0000(	8969	4737
HIST1H2AH	0.376136	0.368706	0.321694	0	0.439257	0.824868	histone cluster 1, H2ah [Source:HGNC Symbol;Acc:HGNC:13671]	chr6:27114	NM_08059	.	.	.	NP_54216	.	protein_co	ENSG0000(	85235	13671
HIST1H2AI	0.661462	0.646599	0.568732	0.944706	0.777274	0.246105	histone cluster 1, H2ai [Source:HGNC Symbol;Acc:HGNC:4725]	chr6:27775	NM_0035(	.	.	.	NP_00350	.	protein_co	ENSG0000(	8329	4725
HIST1H2AJ	0.73103	0	0	1.56621	0.859117	0.80948	histone cluster 1, H2aj [Source:HGNC Symbol;Acc:HGNC:4727]	chr6:27782	NM_02106	.	.	.	NP_06654	.	protein_co	ENSG0000(	8331	4727
HIST1H2AK	1.40933	0.341407	0.903414	0	0.82429	0	histone cluster 1, H2ak [Source:HGNC Symbol;Acc:HGNC:4726]	chr6:27805	NM_00351	.	.	.	NP_00350	.	protein_co	ENSG0000(	8330	4726
HIST1H2AL	0	0	0	0	0	0	histone cluster 1, H2al [Source:HGNC Symbol;Acc:HGNC:4730]	chr6:27805	NM_00351	.	.	.	NP_00350	.	protein_co	ENSG0000(	8332	4730
HIST1H2AM	0.783476	0.758642	0	1.68029	0	1.72382	histone cluster 1, H2am [Source:HGNC Symbol;Acc:HGNC:4735]	chr6:27860	NM_00351	.	.	.	NP_00350	.	protein_co	ENSG0000(	8336	4735
HIST1H2BA	0	0	0	0	0	0	histone cluster 1, H2ba [Source:HGNC Symbol;Acc:HGNC:18730]	chr6:25727	NM_17061	.	.	.	NP_73375	.	protein_co	ENSG0000(	255626	18730
HIST1H2BB	0	0	0	0	0	0	histone cluster 1, H2bb [Source:HGNC Symbol;Acc:HGNC:4751]	chr6:26043	NM_02106	.	.	.	NP_06640(	.	protein_co	ENSG0000(	3018	4751
HIST1H2BC	1.40128	2.23067	1.33817	2.03579	3.11024	2.97808	histone cluster 1, H2bc [Source:HGNC Symbol;Acc:HGNC:4757]	chr6:26115	NM_00352	.	.	.	NP_00351	.	protein_co	ENSG0000(	8347	4757
HIST1H2BD	8.02567	5.02186	8.38959	6.58571	6.83549	7.47898	histone cluster 1, H2bd [Source:HGNC Symbol;Acc:HGNC:4747]	chr6:26158	NM_02106	XM_00524	.	.	NP_06640	XP_005249	protein_co	ENSG0000(	3017	4747
HIST1H2BE	0.222937	0.152825	0.064417	0.413009	0.335151	0.228471	histone cluster 1, H2be [Source:HGNC Symbol;Acc:HGNC:4753]	chr6:26172	NM_00352	.	.	.	NP_00351	.	protein_co	ENSG0000(	8344	4753
HIST1H2BF	0.090318	0.094397	0.077637	0	0	0.091184	histone cluster 1, H2bf [Source:HGNC Symbol;Acc:HGNC:4752]	chr6:26199	NM_00352	.	.	.	NP_00351	.	protein_co	ENSG0000(	8343	4752
HIST1H2BG	0	0	0	0.277483	0	0	histone cluster 1, H2bg [Source:HGNC Symbol;Acc:HGNC:4746]	chr6:26216	NM_00351	.	.	.	NP_00350	.	protein_co	ENSG0000(	8339	4746

HIST1H2BH	0	0	0	0	0	0	histone cluster 1, H2bh [Source:HGNC Symbol;Acc:HGNC:4755]	chr6:26251	NM_00352	.	.	.	NP_00351	.	protein_co	ENSG0000	8345	4755
HIST1H2BI	0	0	0	0	0	0	histone cluster 1, H2bi [Source:HGNC Symbol;Acc:HGNC:4756]	chr6:26273	NM_00352	.	.	.	NP_00351	.	protein_co	ENSG0000	8346	4756
HIST1H2BJ	1.69692	0.310528	0.533804	1.48236	0.689451	0.814406	histone cluster 1, H2bj [Source:HGNC Symbol;Acc:HGNC:4761]	chr6:27093	NM_02105	.	.	.	NP_06640	.	protein_co	ENSG0000	8970	4761
HIST1H2BK	20.7074	17.0777	17.4302	25.0861	18.7574	14.3364	histone cluster 1, H2bk [Source:HGNC Symbol;Acc:HGNC:13954]	chr6:27114	NM_08059	.	.	.	NP_00129	.	protein_co	ENSG0000	85236	13954
HIST1H2BL	0.220493	0	0.190763	0.237649	0	0	histone cluster 1, H2bl [Source:HGNC Symbol;Acc:HGNC:4748]	chr6:27775	NM_00351	.	.	.	NP_00351	.	protein_co	ENSG0000	8340	4748
HIST1H2BM	0.290724	0	0.252678	0	0	0	histone cluster 1, H2bm [Source:HGNC Symbol;Acc:HGNC:4750]	chr6:27782	NM_00352	.	.	.	NP_00351	.	protein_co	ENSG0000	8342	4750
HIST1H2BN	0.540769	0.253354	1.30808	0.423327	0.719396	0.975301	histone cluster 1, H2bn [Source:HGNC Symbol;Acc:HGNC:4749]	chr6:27805	NM_00352	.	.	.	NP_00351	.	protein_co	ENSG0000	8341	4749
HIST1H2BO	1.27532	0	0.552785	0.346755	0	1.02367	histone cluster 1, H2bo [Source:HGNC Symbol;Acc:HGNC:4758]	chr6:27861	NM_00352	.	.	.	NP_00351	.	protein_co	ENSG0000	8348	4758
HIST1H3A	0.411335	0.818752	0.346683	0.449511	0.953689	0	histone cluster 1, H3a [Source:HGNC Symbol;Acc:HGNC:4766]	chr6:26020	NM_00352	.	.	.	NP_00352	.	protein_co	ENSG0000	8350	4766
HIST1H3B	0	0.749268	0.325862	0	0	0.839147	histone cluster 1, H3b [Source:HGNC Symbol;Acc:HGNC:4776]	chr6:26031	NM_00353	.	.	.	NP_00352	.	protein_co	ENSG0000	8358	4776
HIST1H3C	0	0	0	0	0	0	histone cluster 1, H3c [Source:HGNC Symbol;Acc:HGNC:4768]	chr6:26045	NM_00353	.	.	.	NP_00352	.	protein_co	ENSG0000	8352	4768
HIST1H3D	1.47751	0.000358	4.03E-08	0.215089	5.8E-05	1.71E-05	histone cluster 1, H3d [Source:HGNC Symbol;Acc:HGNC:4767]	chr6:26196	NM_00353	.	.	.	NP_00352	.	protein_co	ENSG0000	8351	4767
HIST1H3E	2.74458	1.85699	2.46182	1.52651	1.96394	1.38826	histone cluster 1, H3e [Source:HGNC Symbol;Acc:HGNC:4769]	chr6:26224	NM_00353	.	.	.	NP_00352	.	protein_co	ENSG0000	8353	4769
HIST1H3F	0	0	0	0	0	0	histone cluster 1, H3f [Source:HGNC Symbol;Acc:HGNC:4773]	chr6:26250	NM_02101	.	.	.	NP_06629	.	protein_co	ENSG0000	8968	4773
HIST1H3G	0	0	0	0	0	0	histone cluster 1, H3g [Source:HGNC Symbol;Acc:HGNC:4772]	chr6:26269	NM_00353	.	.	.	NP_00352	.	protein_co	ENSG0000	8355	4772
HIST1H3H	1.31441	1.15984	1.52284	1.9829	2.23902	1.92489	histone cluster 1, H3h [Source:HGNC Symbol;Acc:HGNC:4775]	chr6:27777	NM_00353	.	.	.	NP_00352	.	protein_co	ENSG0000	8357	4775
HIST1H3I	0	0	0	0	0	0	histone cluster 1, H3i [Source:HGNC Symbol;Acc:HGNC:4771]	chr6:27839	NM_00353	.	.	.	NP_00352	.	protein_co	ENSG0000	8354	4771
HIST1H3J	0	1.05849	0.302756	0.771167	0.421929	0.39359	histone cluster 1, H3j [Source:HGNC Symbol;Acc:HGNC:4774]	chr6:27858	NM_00353	.	.	.	NP_00352	.	protein_co	ENSG0000	8356	4774
HIST1H4A	0	0.446028	0	0	0	0	histone cluster 1, H4a [Source:HGNC Symbol;Acc:HGNC:4781]	chr6:26021	NM_00353	.	.	.	NP_00352	.	protein_co	ENSG0000	8359	4781
HIST1H4B	0	0.752947	0.32223	0.818757	0	0.794627	histone cluster 1, H4b [Source:HGNC Symbol;Acc:HGNC:4789]	chr6:26027	NM_00354	.	.	.	NP_00353	.	protein_co	ENSG0000	8366	4789
HIST1H4C	0.325624	0.325298	0.558737	0.711258	0.371905	0.675622	histone cluster 1, H4c [Source:HGNC Symbol;Acc:HGNC:4787]	chr6:26104	NM_00354	.	.	.	NP_00353	.	protein_co	ENSG0000	8364	4787
HIST1H4D	1.10437	0.552828	0	0.60029	0	0	histone cluster 1, H4d [Source:HGNC Symbol;Acc:HGNC:4782]	chr6:26188	NM_00353	.	.	.	NP_00353	.	protein_co	ENSG0000	8360	4782
HIST1H4E	0.74788	0.388038	0.511364	0.588204	0.336986	0.680769	histone cluster 1, H4e [Source:HGNC Symbol;Acc:HGNC:4790]	chr6:26204	NM_00354	.	.	.	NP_00353	.	protein_co	ENSG0000	8367	4790
HIST1H4F	0	0	0	0	0	0	histone cluster 1, H4f [Source:HGNC Symbol;Acc:HGNC:4783]	chr6:26240	NM_00354	.	.	.	NP_00353	.	protein_co	ENSG0000	8361	4783
HIST1H4G	0	0	0	0	0	0	histone cluster 1, H4g [Source:HGNC Symbol;Acc:HGNC:4792]	chr6:26246	NM_00354	.	.	.	NP_00353	.	protein_co	ENSG0000	8369	4792
HIST1H4H	0.29043	0.294801	0	0.226466	0.111991	0.199137	histone cluster 1, H4h [Source:HGNC Symbol;Acc:HGNC:4788]	chr6:26281	NM_00354	.	.	.	NP_00353	.	protein_co	ENSG0000	8365	4788
HIST1H4I	0	0	0.320381	0.082879	0.083167	0.371371	histone cluster 1, H4i [Source:HGNC Symbol;Acc:HGNC:4793]	chr6:27106	NM_00349	.	.	.	NP_00348	.	protein_co	ENSG0000	8294	4793
HIST1H4J	0	0	0	0	0	0.422902	histone cluster 1, H4j [Source:HGNC Symbol;Acc:HGNC:4785]	chr6:27791	NM_02196	.	.	.	NP_06880	.	protein_co	ENSG0000	8363	4785
HIST1H4K	0	0	0	0	0	0	histone cluster 1, H4k [Source:HGNC Symbol;Acc:HGNC:4784]	chr6:27798	NM_00354	.	.	.	NP_00353	.	protein_co	ENSG0000	8362	4784
HIST1H4L	0	0	0	0	0	0	histone cluster 1, H4l [Source:HGNC Symbol;Acc:HGNC:4791]	chr6:27840	NM_00354	.	.	.	NP_00353	.	protein_co	ENSG0000	8368	4791
HIST2H2AA3	0.103172	0	0	0	0	0	histone cluster 2, H2aa3 [Source:HGNC Symbol;Acc:HGNC:4736]	chr1:14981	NM_00351	.	.	.	NP_00350	.	protein_co	ENSG0000	8337	4736
HIST2H2AA4	0	0	0	0	0	0	histone cluster 2, H2aa3 [Source:HGNC Symbol;Acc:HGNC:4736]	chr1:14982	NM_00104	.	.	.	NP_00350	.	protein_co	ENSG0000	8337	4736
HIST2H2AB	0	0	0	0	0.454044	0	histone cluster 2, H2ab [Source:HGNC Symbol;Acc:HGNC:20508]	chr1:14985	NM_17506	.	.	.	NP_77823	.	protein_co	ENSG0000	317772	20508
HIST2H2AC	3.74315	3.56437	1.60964	6.33307	4.44922	5.45995	histone cluster 2, H2ac [Source:HGNC Symbol;Acc:HGNC:4738]	chr1:14985	NM_00351	.	.	.	NP_00350	.	protein_co	ENSG0000	8338	4738
HIST2H2BE	1.08069	0.798327	0.702743	1.55259	0.694274	1.51726	histone cluster 2, H2be [Source:HGNC Symbol;Acc:HGNC:4760]	chr1:14985	NM_00352	.	.	.	NP_00351	.	protein_co	ENSG0000	8349	4760
HIST2H2BF	0.314477	0.540608	0.077844	0.301053	0.269801	0.200087	histone cluster 2, H2bf [Source:HGNC Symbol;Acc:HGNC:24700]	chr1:14975	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	440689	24700
HIST2H3A	0	0	0	0	0	0	histone cluster 2, H3a [Source:HGNC Symbol;Acc:HGNC:20505]	chr1:14982	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	333932	20505
HIST2H3C	0	0	0	0	0	0	histone cluster 2, H3c [Source:HGNC Symbol;Acc:HGNC:20503]	chr1:14981	NM_02105	.	.	.	NP_06640	.	protein_co	ENSG0000	126961	20503
HIST2H3D	0	0	0	0	0	0	histone cluster 2, H3d [Source:HGNC Symbol;Acc:HGNC:25311]	chr1:14978	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	653604	25311
HIST2H3PS2	0	0	0	0	0	0	histone cluster 2, H3, pseudogene 2 [Source:HGNC Symbol;Acc:H	chr1:14940	.	.	.	.	.	.	protein_co	ENSG0000	.	32060
HIST2H4A	0	0	0	0	0	0	histone cluster 2, H4a [Source:HGNC Symbol;Acc:HGNC:4794]	chr1:14980	NM_00354	.	.	.	NP_00353	.	protein_co	ENSG0000	8370	4794
HIST2H4B	0	0	0	0	0	0.105626	histone cluster 2, H4b [Source:HGNC Symbol;Acc:HGNC:29607]	chr1:14983	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	554313	29607
HIST3H2A	8.49571	8.10029	11.4567	19.5618	13.8287	15.2733	histone cluster 3, H2a [Source:HGNC Symbol;Acc:HGNC:20507]	chr1:22864	NM_03344	.	.	.	NP_25428	.	protein_co	ENSG0000	92815	20507
HIST3H2BB	0.180291	0.317941	0.115972	0.198049	0.155698	0.095709	histone cluster 3, H2bb [Source:HGNC Symbol;Acc:HGNC:20514]	chr1:22864	NM_17505	.	.	.	NP_77822	.	protein_co	ENSG0000	128312	20514
HIST3H3	0	0	0	0	0	0	histone cluster 3, H3 [Source:HGNC Symbol;Acc:HGNC:4778]	chr1:22861	NM_00349	.	.	.	NP_00348	.	protein_co	ENSG0000	8290	4778
HIST4H4	0.197873	0	0	0.42627	0	0.430152	histone cluster 4, H4 [Source:HGNC Symbol;Acc:HGNC:20510]	chr12:1492	NM_17505	.	.	.	NP_77822	.	protein_co	ENSG0000	121504	20510
HIVEP1	2.43364	2.00459	2.42385	1.41865	1.45424	2.24573	human immunodeficiency virus type I enhancer binding protein 1	chr6:12012	NM_00211	XM_01151	.	.	NP_00210	XP_01151	protein_co	ENSG0000	3096	4920
HIVEP2	3.15857	3.86087	3.06546	1.64393	2.04714	2.30616	human immunodeficiency virus type I enhancer binding protein 2	chr6:14307	NM_00673	XM_01701	.	.	NP_00672	XP_01686	protein_co	ENSG0000	3097	4921
HIVEP3	0.595635	0.707574	0.911447	0.677594	0.668515	0.577798	human immunodeficiency virus type I enhancer binding protein 3	chr1:41972	NM_00112	XM_01700	NR_03826	.	NP_00112	XP_00671	protein_co	ENSG0000	59269	13561
HJURP	24.4476	24.8575	22.4649	37.0253	35.499	31.9055	Holliday junction recognition protein [Source:HGNC Symbol;Acc:H	chr2:23474	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	55355	25444
HK1	22.7162	23.5368	28.7718	26.8874	24.243	24.8704	hexokinase 1 [Source:HGNC Symbol;Acc:HGNC:4922]	chr10:7102	NM_00018	XM_01153	.	.	NP_00017	XP_00526	protein_co	ENSG0000	3098	4922
HK2	17.9968	20.067	15.5381	19.9184	23.7704	19.5761	hexokinase 2 [Source:HGNC Symbol;Acc:HGNC:4923]	chr2:75061	NM_00018	XM_01153	.	.	NP_00018	XP_00526	protein_co	ENSG0000	3099	4923
HK3	0.024875	0	0.021332	0.02668	0	0	hexokinase 3 [Source:HGNC Symbol;Acc:HGNC:4925]	chr5:17623	NM_00211	.	.	.	NP_00210	XP_01686	protein_co	ENSG0000	3101	4925
HKDC1	1.78761	1.83994	1.19892	1.30801	1.25659	4.2459	hexokinase domain containing 1 [Source:HGNC Symbol;Acc:HGN	chr10:7098	NM_02513	.	.	.	NP_07940	.	protein_co	ENSG0000	80201	23302
HKR1	4.90843	5.4936	5.76904	4.81772	4.38964	4.66375	HKR1, GLI-Kruppel zinc finger family member [Source:HGNC Syml	chr19:3780	NM_18178	XM_01702	.	.	NP_86145	XP_01688	protein_co	ENSG0000	284459	4928
HLA-A	313.861	313.408	250.484	293.657	252.932	260.892	major histocompatibility complex, class I, A [Source:HGNC Symbo	chr6:29909	NM_00211	.	.	.	NP_00210	.	protein_co	ENSG0000	3105	4931
HLA-B	309.354	304.054	184.556	230.386	202.352	191.314	major histocompatibility complex, class I, B [Source:HGNC Symbo	chr6:31321	NM_00551	XM_01151	.	.	NP_00550	XP_01151	protein_co	ENSG0000	3106	4932
HLA-C	361.262	369.006	259.146	332.912	286.742	269.853	major histocompatibility complex, class I, C [Source:HGNC Symbo	chr6:31236	NM_00211	.	.	.	NP_00210	.	protein_co	ENSG0000	3107	4933
HLA-DMA	11.0569	9.56787	8.99695	8.47594	9.21817	7.29143	major histocompatibility complex, class II, DM alpha [Source:HGN	chr6:32902	NM_00612	.	.	.	NP_00611	.	protein_co	ENSG0000	3108	4934

HLA-DMB	1.44888	1.87363	1.6451	2.7567	1.92101	1.99973	major histocompatibility complex, class II, DM beta [Source:HGN	chr6:32902	NM_00211	.	.	.	NP_00210	.	protein_co	ENSG0000	3109	4935
HLA-DOA	0.290965	0.192419	0.57827	0.275148	0.236088	0.34635	major histocompatibility complex, class II, DO alpha [Source:HGN	chr6:32971	NM_00211	.	.	.	NP_00211	.	protein_co	ENSG0000	3111	4936
HLA-DOB	0.847699	0.565461	0.94777	0.613529	0.586106	0.340023	major histocompatibility complex, class II, DO beta [Source:HGNC	chr6:32780	NM_00212	.	.	.	NP_00211	.	protein_co	ENSG0000	3112	4937
HLA-DPA1	1.04333	1.04402	0.831478	1.1642	0.725945	0.398293	major histocompatibility complex, class II, DP alpha 1 [Source:HG	chr6:33032	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	3113	4938
HLA-DPB1	0.79134	1.47198	0.945751	0.545049	0.33691	0.308459	major histocompatibility complex, class II, DP beta 1 [Source:HGN	chr6:33032	NM_00212	.	.	.	NP_00211	.	protein_co	ENSG0000	3115	4940
HLA-DQA1	0	0	0	0	0	0	major histocompatibility complex, class II, DQ alpha 1 [Source:HG	chr6:32605	NM_00212	.	.	.	NP_00211	XP_006715	protein_co	ENSG0000	3117	4942
HLA-DQA2	0	0	0	0	0	0	major histocompatibility complex, class II, DQ alpha 2 [Source:HG	chr6:32709	NM_02005	.	.	.	NP_06444	.	protein_co	ENSG0000	3118	4943
HLA-DQB1	2.11776	1.42851	2.66372	2.70777	1.89161	2.3671	major histocompatibility complex, class II, DQ beta 1 [Source:HGN	chr6:32627	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	3119	4944
HLA-DQB2	0.067862	0.405879	0.872741	0.732357	0.235445	0.662686	major histocompatibility complex, class II, DQ beta 2 [Source:HGN	chr6:32723	NM_00119	XM_01151	.	.	NP_00118	XP_005249	protein_co	ENSG0000	3120	4945
HLA-DRA	4.16416	3.71069	5.7285	1.68612	1.12636	1.99108	major histocompatibility complex, class II, DR alpha [Source:HGN	chr6:32407	NM_01911	.	.	.	NP_06198	.	protein_co	ENSG0000	3122	4947
HLA-DRB1	5.15521	4.30853	6.04767	4.6575	3.85479	2.77536	major histocompatibility complex, class II, DR beta 1 [Source:HGN	chr6:32520	NM_00212	.	.	.	NP_00211	.	protein_co	ENSG0000	3123	4948
HLA-DRB5	0.400049	0.347311	0.542623	0.561743	0.325395	0.303636	major histocompatibility complex, class II, DR beta 5 [Source:HGN	chr6:32485	NM_00212	.	.	.	NP_00211	XP_011512	protein_co	ENSG0000	3127	4953
HLA-E	73.3012	72.2651	77.5255	62.6724	57.9098	72.6165	major histocompatibility complex, class I, E [Source:HGNC Symbo	chr6:30457	NM_00551	XM_01701	.	.	NP_00550	XP_016866	protein_co	ENSG0000	3133	4962
HLA-F	15.7823	14.03	13.3147	10.2216	9.11465	9.48927	major histocompatibility complex, class I, F [Source:HGNC Symbo	chr6:29690	NM_00109	XM_00524	.	.	NP_00109	XP_011512	protein_co	ENSG0000	3134	4963
HLA-G	0.382521	0.456055	0.132798	0.070451	0.118812	0.071513	major histocompatibility complex, class I, G [Source:HGNC Symbo	chr6:29794	NM_00212	XM_01701	.	.	NP_00211	XP_016866	protein_co	ENSG0000	3135	4964
HLCS	5.94305	5.74397	6.45005	4.28491	5.09341	7.45335	holocarboxylase synthetase [Source:HGNC Symbol;Acc:HGNC:497	chr21:3812	NM_00041	XM_01152	.	.	NP_00040	XP_005261	protein_co	ENSG0000	3141	4976
HLF	0.887325	0.739155	0.550904	0.661283	0.76531	1.20347	HLF, PAR bZIP transcription factor [Source:HGNC Symbol;Acc:HGN	chr17:5334	NM_00212	XM_01152	.	.	NP_00211	XP_005257	protein_co	ENSG0000	3131	4977
HLTF	20.0055	20.1424	23.529	20.0637	23.3173	30.7302	helicase like transcription factor [Source:HGNC Symbol;Acc:HGN	chr3:14874	NM_00131	XM_01151	.	.	NP_00130	XP_005247	protein_co	ENSG0000	6596	11099
HLX	0.685138	1.47943	1.1217	1.34521	1.22866	0.707781	H2.0 like homeobox [Source:HGNC Symbol;Acc:HGNC:4978]	chr1:22105	NM_02195	.	.	.	NP_06877	.	protein_co	ENSG0000	3142	4978
HM13	88.9748	92.5801	79.665	89.4215	69.2015	68.5645	histocompatibility minor 13 [Source:HGNC Symbol;Acc:HGNC:164	chr20:3010	NM_03078	XM_01152	.	.	NP_11041	.	protein_co	ENSG0000	81502	16435
HMBOX1	2.75235	3.36974	4.2412	2.20016	3.23655	3.38305	homeobox containing 1 [Source:HGNC Symbol;Acc:HGNC:26137]	chr8:28747	NM_00113	XM_00671	.	.	NP_00112	XP_005273	protein_co	ENSG0000	79618	26137
HMBS	36.1531	37.1996	32.5203	48.5711	34.7406	30.5443	hydroxymethylbilane synthase [Source:HGNC Symbol;Acc:HGNC:	chr11:1189	NM_00019	XM_01154	.	.	NP_00018	XP_005271	protein_co	ENSG0000	3145	4982
HMCES	44.2899	44.7191	43.2823	54.0205	45.0022	44.3695	5-hydroxymethylcytosine binding, ES cell specific [Source:HGNC S	chr3:12899	NM_00100	XM_01151	.	.	NP_00100	XP_005247	protein_co	ENSG0000	56941	24446
HMCN1	0.098546	0.078129	0.103897	0.063304	0.039424	0.098692	hemicentin 1 [Source:HGNC Symbol;Acc:HGNC:19194]	chr1:18570	NM_03193	XM_01151	.	.	NP_11414	XP_011508	protein_co	ENSG0000	83872	19194
HMCN2	0.431175	0.49483	0.438619	0.181175	0.609739	0.109202	hemicentin 2 [Source:HGNC Symbol;Acc:HGNC:21293]	chr9:13328	NM_00129	XM_01151	.	.	NP_00127	XP_011516	protein_co	ENSG0000	256158	21293
HMG20A	14.351	15.5369	17.455	13.5474	14.1476	19.6545	high mobility group 20A [Source:HGNC Symbol;Acc:HGNC:5001]	chr15:7771	NM_00130	XM_01152	.	.	NP_00129	XP_011519	protein_co	ENSG0000	10363	5001
HMG20B	78.9728	77.5685	92.5288	122.25	88.9969	108.997	high mobility group 20B [Source:HGNC Symbol;Acc:HGNC:5002]	chr19:3572	NM_00633	XM_01702	.	.	NP_00633	XP_016881	protein_co	ENSG0000	10362	5002
HMGA1	927.955	939.555	1185.55	847.606	724.853	676.804	high mobility group AT-hook 1 [Source:HGNC Symbol;Acc:HGNC:	chr6:34204	NM_00131	XM_01151	.	.	NP_00130	XP_005249	protein_co	ENSG0000	3159	5010
HMGA2	79.3543	83.7789	75.8024	86.2158	95.5143	96.394	high mobility group AT-hook 2 [Source:HGNC Symbol;Acc:HGNC:	chr12:6621	NM_00130	.	.	.	NP_00128	XP_016875	protein_co	ENSG0000	8091	5009
HMGB1	584.534	570.712	391.271	771.219	679.261	634.258	high mobility group box 1 [Source:HGNC Symbol;Acc:HGNC:4983	chr13:3103	NM_00212	XM_01153	.	.	NP_00130	XP_005266	protein_co	ENSG0000	3146	4983
HMGB2	321.58	302.84	212.521	419.175	355.389	344.053	high mobility group box 2 [Source:HGNC Symbol;Acc:HGNC:5000	chr4:17425	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	3148	5000
HMGB3	79.6613	76.6698	59.3798	114.631	97.7245	83.2928	high mobility group box 3 [Source:HGNC Symbol;Acc:HGNC:5004	chrX:15015	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	3149	5004
HMGB4	0	0	0	0	0	0	high mobility group box 4 [Source:HGNC Symbol;Acc:HGNC:2495	chr1:33979	NM_14520	.	NR_03326	.	NP_66020	.	protein_co	ENSG0000	127540	24954
HMGCL	19.7975	19.6844	20.9922	20.5247	16.6439	21.8376	3-hydroxymethyl-3-methylglutaryl-CoA lyase [Source:HGNC Symb	chr1:24128	NM_00019	.	.	.	NP_00018	.	protein_co	ENSG0000	3155	5005
HMGCLL1	0	0	0	0	0	0	3-hydroxymethyl-3-methylglutaryl-CoA lyase like 1 [Source:HGNC	chr6:55299	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	54511	21359
HMGCR	49.8382	50.2267	52.5252	63.2216	69.6635	82.8292	3-hydroxy-3-methylglutaryl-CoA reductase [Source:HGNC Symbo	chr5:74632	NM_00085	XM_01154	.	.	NP_00085	XP_011541	protein_co	ENSG0000	3156	5006
HMGCS1	57.3794	53.5621	53.6461	45.2395	51.8416	62.4856	3-hydroxy-3-methylglutaryl-CoA synthase 1 [Source:HGNC Symbo	chr5:43289	NM_00109	XM_01700	.	.	NP_00109	XP_011512	protein_co	ENSG0000	3157	5007
HMGCS2	0	0	0	0	0	0	3-hydroxy-3-methylglutaryl-CoA synthase 2 [Source:HGNC Symbo	chr1:12029	NM_00116	XM_01154	.	.	NP_00115	XP_011539	protein_co	ENSG0000	3158	5008
HMGN1	233.883	229.575	210.961	256.926	241.098	270.96	high mobility group nucleosome binding domain 1 [Source:HGNC	chr21:4071	NM_00496	XM_01152	.	.	NP_00495	XP_011527	protein_co	ENSG0000	3150	4984
HMGN2	297.304	297.671	175.136	343.058	318.061	201.272	high mobility group nucleosomal binding domain 2 [Source:HGN	chr1:26799	NM_00551	.	.	.	NP_00550	.	protein_co	ENSG0000	3151	4986
HMGN3	32.9003	36.2856	28.7744	35.7943	37.0636	32.654	high mobility group nucleosomal binding domain 3 [Source:HGN	chr6:79910	NM_00120	XM_00671	.	.	NP_00118	.	protein_co	ENSG0000	9324	12312
HMGN4	80.1931	79.1158	73.0252	76.4516	74.1198	75.1786	high mobility group nucleosomal binding domain 4 [Source:HGN	chr6:26538	NM_00635	.	.	.	NP_00634	XP_016865	protein_co	ENSG0000	10473	4989
HMGN5	2.50598	2.30794	2.52616	3.00406	2.73838	2.87356	high mobility group nucleosome binding domain 5 [Source:HGNC	chrX:80369	NM_03076	XM_00672	.	.	NP_11039	XP_006724	protein_co	ENSG0000	79366	8013
HMGXB3	19.5139	19.651	19.3876	23.5592	21.2026	17.723	HMG-box containing 3 [Source:HGNC Symbol;Acc:HGNC:28982]	chr5:14937	NM_01498	XM_00671	.	.	NP_05579	XP_006714	protein_co	ENSG0000	22993	28982
HMGXB4	16.8273	17.4939	16.0638	16.0409	16.6065	18.4471	HMG-box containing 4 [Source:HGNC Symbol;Acc:HGNC:5003]	chr22:3565	NM_00100	XM_01152	.	.	NP_00100	XP_006724	protein_co	ENSG0000	10042	5003
HMHB1	0	0	0	0	0.304875	0	histocompatibility minor HB-1 [Source:HGNC Symbol;Acc:HGNC:2	chr5:14319	NM_02118	.	.	.	NP_06700	.	protein_co	ENSG0000	57824	29677
HMMR	20.1333	18.6967	19.5737	26.3081	34.2718	33.667	hyaluronan mediated motility receptor [Source:HGNC Symbol;Ac	chr5:16288	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	3161	5012
HMOX1	14.4269	16.7172	13.7729	20.7485	17.0905	18.0066	heme oxygenase 1 [Source:HGNC Symbol;Acc:HGNC:5013]	chr22:3577	NM_00213	.	.	.	NP_00212	.	protein_co	ENSG0000	3162	5013
HMOX2	41.6639	38.2372	38.5444	51.21	37.3509	34.4738	heme oxygenase 2 [Source:HGNC Symbol;Acc:HGNC:5014]	chr16:4511	NM_00112	XM_01702	.	.	NP_00112	XP_011520	protein_co	ENSG0000	3163	5014
HMP19	0.059774	0	0	0	0.034265	0.031608	HMP19 protein [Source:EntrezGene;Acc:51617]	chr5:17347	NM_01598	.	.	.	NP_05706	.	protein_co	ENSG0000	51617	.
HMSD	5.37934	0.877207	3.88183	6.70151	2.09164	2.52771	histocompatibility minor serpin domain containing [Source:HGN	chr18:6161	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	284293	23037
HMX1	0	0	0	0	0	0.242153	H6 family homeobox 1 [Source:HGNC Symbol;Acc:HGNC:5017]	chr4:88478	NM_00130	XM_00524	.	.	NP_00129	XP_005248	protein_co	ENSG0000	3166	5017
HMX2	0	0	0	0	0	0	H6 family homeobox 2 [Source:HGNC Symbol;Acc:HGNC:5018]	chr10:1249	NM_00551	XM_00526	.	.	NP_00551	XP_005269	protein_co	ENSG0000	3167	5018
HMX3	0	0	0	0	0	0	H6 family homeobox 3 [Source:HGNC Symbol;Acc:HGNC:5019]	chr10:1248	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	340784	5019
HN1	373.435	379.043	316.028	701.837	516.874	413.849	hematological and neurological expressed 1 [Source:HGNC Symb	chr17:7313	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	51155	14569
HN1L	67.2724	67.8446	61.4438	74.8815	77.1766	62.7129	hematological and neurological expressed 1 like [Source:HGNC Sy	chr16:1728	NM_14457	.	.	.	NP_65317	.	protein_co	ENSG0000	90861	14137
HNF1A	0.038869	0	0	0	0.045825	0.044457	HNF1 homeobox A [Source:HGNC Symbol;Acc:HGNC:11621]	chr12:1214	NM_00054	XM_01153	.	.	NP_00053	XP_005253	protein_co	ENSG0000	6927	11621
HNF1B	1.71542	1.98178	1.93119	2.54266	2.87488	2.40417	HNF1 homeobox B [Source:HGNC Symbol;Acc:HGNC:11630]	chr17:3604	NM_00045	XM_01152	.	.	NP_00044	XP_011523	protein_co	ENSG0000	6928	11630
HNF4A	1.99109	1.98311	2.29179	2.77673	2.63493	3.29157	hepatocyte nuclear factor 4 alpha [Source:HGNC Symbol;Acc:HGN	chr20:4298	NM_00045	XM_00526	.	.	NP_00044	XP_005260	protein_co	ENSG0000	3172	5024

HNF4G	2.222	1.67125	1.92366	1.30653	1.92974	1.37715	hepatocyte nuclear factor 4 gamma [Source:HGNC Symbol;Acc:H	chr8:76320	NM_00413	XM_01151	.	.	NP_00412	XP_011515	protein_co	ENSG0000	3174	5026
HNMT	0	0	0	0	0	0.058658	histamine N-methyltransferase [Source:HGNC Symbol;Acc:HGNC:	chr2:13872	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	3176	5028
HNRNPA0	36.9727	41.7495	34.4679	46.3197	42.6051	40.5316	heterogeneous nuclear ribonucleoprotein A0 [Source:HGNC Symb	chr5:13708	NM_00680	.	.	.	NP_00679	.	protein_co	ENSG0000	10949	5030
HNRNPA1	660.229	659.189	675.213	729.56	665.709	743.905	heterogeneous nuclear ribonucleoprotein A1 [Source:HGNC Symb	chr12:5467	NM_00213	XM_00526	.	.	NP_00212	XP_005268	protein_co	ENSG0000	3178	5031
HNRNPA1L2	2.5348	2.41745	1.71251	2.40358	2.28772	2.76897	heterogeneous nuclear ribonucleoprotein A1-like 2 [Source:HGN	chr13:5321	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	144983	27067
HNRNPA2B1	723.597	674.26	615.623	699.462	794.955	783.232	heterogeneous nuclear ribonucleoprotein A2/B1 [Source:HGNC S	chr7:26229	NM_00213	XM_00671	.	.	NP_00212	XP_005249	protein_co	ENSG0000	3181	5033
HNRNPA3	195.381	195.661	178.675	221.665	248.337	240.619	heterogeneous nuclear ribonucleoprotein A3 [Source:HGNC Symb	chr2:17807	NM_19424	XM_00671	NR_03964	.	NP_91922	XP_005246	protein_co	ENSG0000	100616394	24941
HNRNPAB	193.154	181.18	161.346	231.57	234.779	197.606	heterogeneous nuclear ribonucleoprotein A/B [Source:HGNC Sym	chr5:17763	NM_00449	.	.	.	NP_00449	.	protein_co	ENSG0000	3182	5034
HNRNPC	543.165	506.673	437.843	648.189	553.016	610.02	heterogeneous nuclear ribonucleoprotein C (C1/C2) [Source:HGN	chr14:2167	NM_00107	XM_01153	.	.	NP_00107	XP_006720	protein_co	ENSG0000	3183	5035
HNRNPCL1	0.252219	0.521523	0.166155	0.42024	0.212175	0.257122	heterogeneous nuclear ribonucleoprotein C-like 1 [Source:HGNC	chr1:12907	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	343069	29295
HNRNPCL2	0.124039	0.193027	0.108976	0	0.138962	0	heterogeneous nuclear ribonucleoprotein C-like 2 [Source:HGNC	chr1:13182	NM_00113	.	.	.	.	.	protein_co	ENSG0000	440563	48813
HNRNPCL4	0	4.13E-07	4.87E-07	0	0	0	heterogeneous nuclear ribonucleoprotein C-like 4 [Source:HGNC	chr1:13182	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	101060301	51333
HNRNPD	205.491	200.152	178.037	237.048	255.567	233.066	heterogeneous nuclear ribonucleoprotein D [Source:HGNC Symb	chr4:83273	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	3184	5036
HNRNPDL	184.755	171.898	142.507	211.676	210.383	134.367	heterogeneous nuclear ribonucleoprotein D like [Source:HGNC Sy	chr4:83343	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	9987	5037
HNRNPF	207.579	217.9	183.1	238.16	219.589	192.861	heterogeneous nuclear ribonucleoprotein F [Source:HGNC Symb	chr10:4388	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	3185	5039
HNRNPH1	146.213	152.071	175.999	163.358	155.971	171.923	heterogeneous nuclear ribonucleoprotein H1 (H) [Source:HGNC S	chr5:17904	NM_00125	XM_01700	.	.	NP_00124	XP_005265	protein_co	ENSG0000	3187	5041
HNRNPH2	54.119	55.4563	52.7426	56.6409	59.2987	54.1338	heterogeneous nuclear ribonucleoprotein H2 (H') [Source:HGNC S	chrX:10064	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	3188	5042
HNRNPH3	65.0285	63.2826	59.5238	74.8109	80.4833	72.2606	heterogeneous nuclear ribonucleoprotein H3 [Source:HGNC Symb	chr10:7004	NM_00132	XM_00671	.	.	NP_00130	XP_005269	protein_co	ENSG0000	3189	5043
HNRNPK	468.407	458.862	393.46	502.185	480.838	442.851	heterogeneous nuclear ribonucleoprotein K [Source:HGNC Symb	chr9:86582	NM_00131	XM_01701	NR_02960	.	NP_00130	XP_005252	protein_co	ENSG0000	407043	5044
HNRNPL	213.412	217.658	181.912	263.759	235.802	210.733	heterogeneous nuclear ribonucleoprotein L [Source:HGNC Symb	chr19:3930	NM_00100	XM_01152	.	.	NP_00100	XP_011525	protein_co	ENSG0000	3191	5045
HNRNPLL	20.1496	17.9476	20.3785	21.452	25.7835	32.073	heterogeneous nuclear ribonucleoprotein L like [Source:HGNC Sy	chr2:38789	NM_00114	XM_01153	.	.	NP_00113	XP_005264	protein_co	ENSG0000	92906	25127
HNRNPM	204.004	212.72	127.913	237.767	221.787	148.907	heterogeneous nuclear ribonucleoprotein M [Source:HGNC Symb	chr19:8509	NM_00129	XM_00527	.	.	NP_00128	XP_005272	protein_co	ENSG0000	4670	5046
HNRNPR	106.384	110.303	77.046	103.58	107.834	101.091	heterogeneous nuclear ribonucleoprotein R [Source:HGNC Symb	chr1:23631	NM_00110	XM_01154	.	.	NP_00109	XP_005245	protein_co	ENSG0000	10236	5047
HNRNPU	242.591	242.235	199.09	260.079	273.019	250.939	heterogeneous nuclear ribonucleoprotein U [Source:HGNC Symb	chr1:24501	NM_00450	.	.	.	NP_00449	XP_016856	protein_co	ENSG0000	3192	5048
HNRNPUL1	63.8938	65.4134	57.7535	74.1722	67.3908	69.0184	heterogeneous nuclear ribonucleoprotein U like 1 [Source:HGNC	chr19:4176	NM_00704	XM_01152	.	.	NP_00128	XP_005258	protein_co	ENSG0000	11100	17011
HNRNPUL2	41.8373	44.8826	35.4307	44.9218	44.4651	39.1157	heterogeneous nuclear ribonucleoprotein U like 2 [Source:HGNC	chr11:6248	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	221092	25451
HOGA1	0.494838	0.757032	0.696782	0.986096	0.546285	0.476509	4-hydroxy-2-oxoglutarate aldolase 1 [Source:HGNC Symbol;Acc:H	chr10:9934	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	112817	25155
HOMER1	5.22428	6.1035	5.52101	6.33477	6.5018	6.4968	homer scaffolding protein 1 [Source:HGNC Symbol;Acc:HGNC:17	chr5:78668	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	9456	17512
HOMER2	0.385361	0.487969	0.279589	0.45262	0.257004	0.409182	homer scaffolding protein 2 [Source:HGNC Symbol;Acc:HGNC:17	chr15:8351	NM_00483	XM_01152	.	.	NP_00483	XP_005272	protein_co	ENSG0000	9455	17513
HOMER3	28.3541	25.4669	27.5255	17.2763	13.3349	17.2818	homer scaffolding protein 3 [Source:HGNC Symbol;Acc:HGNC:17	chr19:1904	NM_00114	XM_00672	.	.	NP_00113	XP_006723	protein_co	ENSG0000	9454	17514
HOMEZ	6.70918	6.60876	7.77574	7.16484	6.94476	7.61946	homeobox and leucine zipper encoding [Source:HGNC Symbol;Ac	chr14:2365	NM_02083	.	.	.	NP_06588	.	protein_co	ENSG0000	57594	20164
HOOK1	7.49743	7.97797	8.06577	7.61476	9.58608	10.787	hook microtubule tethering protein 1 [Source:HGNC Symbol;Acc:	chr1:60280	NM_01588	XM_01154	.	.	NP_05697	XP_011539	protein_co	ENSG0000	51361	19884
HOOK2	16.0731	16.3881	17.8155	13.7256	14.0869	15.2702	hook microtubule tethering protein 2 [Source:HGNC Symbol;Acc:	chr19:1287	NM_00110	XM_01152	.	.	NP_00109	XP_005259	protein_co	ENSG0000	29911	19885
HOOK3	2.43749	2.30715	2.89524	2.28563	2.86271	3.28343	hook microtubule tethering protein 3 [Source:HGNC Symbol;Acc:	chr8:42752	NM_03241	.	.	.	NP_11578	.	protein_co	ENSG0000	84376	23576
HOPX	0	0	0	0	0	0	HOP homeobox [Source:HGNC Symbol;Acc:HGNC:24961]	chr4:57514	NM_00114	XM_01700	.	.	NP_00113	XP_006714	protein_co	ENSG0000	84525	24961
HORMAD1	0	0	0	0	0	0	HORMA domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2	chr1:15067	NM_00119	XM_01151	.	.	NP_00118	XP_006711	protein_co	ENSG0000	84072	25245
HORMAD2	0	0	0.033903	0	0	0	HORMA domain containing 2 [Source:HGNC Symbol;Acc:HGNC:2	chr22:3047	NM_15251	XM_01152	.	.	NP_00131	XP_011528	protein_co	ENSG0000	150280	28383
HOXA1	1.3474	1.63646	1.84334	1.42307	1.23405	1.54315	homeobox A1 [Source:HGNC Symbol;Acc:HGNC:5099]	chr7:27132	NM_00552	.	.	.	NP_00551	.	protein_co	ENSG0000	3198	5099
HOXA10	20.4355	19.2829	18.0958	23.4749	21.7255	21.2908	homeobox A10 [Source:HGNC Symbol;Acc:HGNC:5100]	chr7:27202	NM_01895	.	.	.	NP_06182	.	protein_co	ENSG0000	3206	5100
HOXA10-HOXA9	7E-19	1.07E-16	7.75E-26	1.95E-16	7.86E-29	5.67E-43	.	chr7:27202	.	.	.	.	.	.	protein_co	ENSG0000	.	.
HOXA11	6.14391	8.01815	5.6778	8.57479	9.1809	6.50965	homeobox A11 [Source:HGNC Symbol;Acc:HGNC:5101]	chr7:27221	NM_00552	.	.	.	NP_00551	.	protein_co	ENSG0000	3207	5101
HOXA13	1.882	2.23751	1.98459	1.51765	1.79357	1.96478	homeobox A13 [Source:HGNC Symbol;Acc:HGNC:5102]	chr7:27233	NM_00052	XM_01151	.	.	NP_00051	XP_011513	protein_co	ENSG0000	3209	5102
HOXA2	0.257125	0.633454	0.400851	0.228523	0	0.160138	homeobox A2 [Source:HGNC Symbol;Acc:HGNC:5103]	chr7:27139	NM_00673	.	.	.	NP_00672	.	protein_co	ENSG0000	3199	5103
HOXA3	2.52989	3.25145	2.89599	0.712819	0.820252	0.952166	homeobox A3 [Source:HGNC Symbol;Acc:HGNC:5104]	chr7:27145	NM_03066	XM_01151	.	.	NP_10937	XP_005249	protein_co	ENSG0000	3200	5104
HOXA4	0.80654	1.10603	1.48494	0.377793	0.790914	0.428662	homeobox A4 [Source:HGNC Symbol;Acc:HGNC:5105]	chr7:27145	NM_00214	.	.	.	NP_00213	.	protein_co	ENSG0000	3201	5105
HOXA5	7.05481	7.52109	6.50725	4.5436	5.20117	5.2906	homeobox A5 [Source:HGNC Symbol;Acc:HGNC:5106]	chr7:27180	NM_01910	.	.	.	NP_06197	.	protein_co	ENSG0000	3202	5106
HOXA6	5.18201	3.69705	4.43198	2.46864	3.09379	1.92069	homeobox A6 [Source:HGNC Symbol;Acc:HGNC:5107]	chr7:27185	NM_02401	.	.	.	NP_07691	.	protein_co	ENSG0000	3203	5107
HOXA7	14.7953	12.8343	12.6745	13.7216	14.6052	13.4551	homeobox A7 [Source:HGNC Symbol;Acc:HGNC:5108]	chr7:27193	NM_00689	.	.	.	NP_00882	.	protein_co	ENSG0000	3204	5108
HOXA9	68.59	71.3785	71.9644	50.039	51.2423	64.3017	homeobox A9 [Source:HGNC Symbol;Acc:HGNC:5109]	chr7:27202	NM_15273	.	NR_02991	.	NP_68995	.	protein_co	ENSG0000	442920	5109
HOXB1	0	0	0	0	0	0	homeobox B1 [Source:HGNC Symbol;Acc:HGNC:5111]	chr17:4660	NM_00214	.	.	.	NP_00213	.	protein_co	ENSG0000	3211	5111
HOXB13	4.53644	4.5046	5.70226	4.91956	3.9539	4.26544	homeobox B13 [Source:HGNC Symbol;Acc:HGNC:5112]	chr17:4680	NM_00636	.	.	.	NP_00635	.	protein_co	ENSG0000	10481	5112
HOXB2	0.772478	1.02061	1.31523	0.563969	0.684521	1.10469	homeobox B2 [Source:HGNC Symbol;Acc:HGNC:5113]	chr17:4662	NM_00214	.	.	.	NP_00213	.	protein_co	ENSG0000	3212	5113
HOXB3	6.63248	7.30217	9.47981	6.67749	4.20002	3.89812	homeobox B3 [Source:HGNC Symbol;Acc:HGNC:5114]	chr17:4662	NM_00214	XM_01152	.	.	NP_00213	XP_005257	protein_co	ENSG0000	3213	5114
HOXB4	5.26574	6.83962	8.10118	3.66238	3.55753	2.55725	homeobox B4 [Source:HGNC Symbol;Acc:HGNC:5115]	chr17:4662	NM_02401	.	.	.	NP_07692	.	protein_co	ENSG0000	3214	5115
HOXB5	11.6163	11.5283	13.6616	8.35368	7.68001	8.88637	homeobox B5 [Source:HGNC Symbol;Acc:HGNC:5116]	chr17:4666	NM_00214	.	.	.	NP_00213	.	protein_co	ENSG0000	3215	5116
HOXB6	16.9839	17.2216	24.7984	11.2806	10.812	9.73451	homeobox B6 [Source:HGNC Symbol;Acc:HGNC:5117]	chr17:4667	NM_01895	XM_00672	.	.	NP_06182	XP_005257	protein_co	ENSG0000	3216	5117
HOXB7	34.8816	36.8352	30.425	38.8404	31.9019	25.9053	homeobox B7 [Source:HGNC Symbol;Acc:HGNC:5118]	chr17:4668	NM_00450	.	.	.	NP_00449	.	protein_co	ENSG0000	3217	5118
HOXB8	37.6486	32.6731	38.2991	13.1518	11.6416	9.99346	homeobox B8 [Source:HGNC Symbol;Acc:HGNC:5119]	chr17:4668	NM_02401	XM_00525	.	.	NP_07692	XP_005257	protein_co	ENSG0000	3218	5119
HOXB9	16.5935	18.0612	19.8311	9.60315	9.20515	15.3667	homeobox B9 [Source:HGNC Symbol;Acc:HGNC:5120]	chr17:4669	NM_02401	.	.	.	NP_07692	.	protein_co	ENSG0000	3219	5120

HOXC10	1.36901	1.16824	1.68994	2.10694	1.47591	1.97211	homeobox C10 [Source:HGNC Symbol;Acc:HGNC:5122]	chr12:5437	NM_01740	.	.	.	NP_05910	.	protein_co	ENSG0000	3226	5122
HOXC11	0.213672	0.105565	0.365019	0.289043	0.36885	0	homeobox C11 [Source:HGNC Symbol;Acc:HGNC:5123]	chr12:5436	NM_01421	.	.	.	NP_05502	.	protein_co	ENSG0000	3227	5123
HOXC12	0.025433	0	0	0	0	0.055088	homeobox C12 [Source:HGNC Symbol;Acc:HGNC:5124]	chr12:5434	NM_17386	.	.	.	NP_77627	.	protein_co	ENSG0000	3228	5124
HOXC13	2.38679	2.45208	3.58978	2.94173	3.14601	2.36271	homeobox C13 [Source:HGNC Symbol;Acc:HGNC:5125]	chr12:5433	NM_01741	.	.	.	NP_05910	.	protein_co	ENSG0000	3229	5125
HOXC4	1.39501	0.779461	1.53861	1.27578	1.01819	0.505323	homeobox C4 [Source:HGNC Symbol;Acc:HGNC:5126]	chr12:5437	NM_01462	.	.	.	NP_05543	.	protein_co	ENSG0000	3221	5126
HOXC5	1.08231	1.18814	1.04896	1.23739	1.17562	0.655288	homeobox C5 [Source:HGNC Symbol;Acc:HGNC:5127]	chr12:5437	NM_01895	.	.	.	NP_06182	.	protein_co	ENSG0000	3222	5127
HOXC6	3.87272	3.89891	3.66303	3.63993	3.53308	2.60943	homeobox C6 [Source:HGNC Symbol;Acc:HGNC:5128]	chr12:5437	NM_00450	.	.	.	NP_00449	.	protein_co	ENSG0000	3223	5128
HOXC8	1.19408	0.857944	0.489308	0.929705	1.47805	1.0294	homeobox C8 [Source:HGNC Symbol;Acc:HGNC:5129]	chr12:5437	NM_02265	.	.	.	NP_07314	.	protein_co	ENSG0000	3224	5129
HOXC9	6.65482	6.93793	5.92897	8.73466	6.36611	6.95274	homeobox C9 [Source:HGNC Symbol;Acc:HGNC:5130]	chr12:5437	NM_00689	.	.	.	NP_00882	.	protein_co	ENSG0000	3225	5130
HOXD1	0	0	0.101809	0.130024	0	0	homeobox D1 [Source:HGNC Symbol;Acc:HGNC:5132]	chr2:17705	NM_02450	.	NR_10699	.	NP_07877	.	protein_co	ENSG0000	102465802	5132
HOXD10	0.127056	0.043611	0.110062	0.046975	0	0.174879	homeobox D10 [Source:HGNC Symbol;Acc:HGNC:5133]	chr2:17698	NM_00214	.	.	.	NP_00213	.	protein_co	ENSG0000	3236	5133
HOXD11	0.088568	0.171264	0.388096	0	0.311027	0.098314	homeobox D11 [Source:HGNC Symbol;Acc:HGNC:5134]	chr2:17697	NM_02119	.	.	.	NP_06701	.	protein_co	ENSG0000	3237	5134
HOXD12	0	0.172574	0	0	0.191087	0.182669	homeobox D12 [Source:HGNC Symbol;Acc:HGNC:5135]	chr2:17696	NM_02119	.	.	.	NP_06701	.	protein_co	ENSG0000	3238	5135
HOXD13	0	0	0	0.048417	0.04923	0	homeobox D13 [Source:HGNC Symbol;Acc:HGNC:5136]	chr2:17695	NM_00052	.	.	.	NP_00051	.	protein_co	ENSG0000	3239	5136
HOXD3	0.124227	0.123264	0.070292	0.22317	0.047809	0.42995	homeobox D3 [Source:HGNC Symbol;Acc:HGNC:5137]	chr2:17702	NM_00689	XM_01151	.	.	NP_00882	XP_00524	protein_co	ENSG0000	3232	5137
HOXD4	0.504022	1.3243	0.542241	0.480424	0.364256	0.60778	homeobox D4 [Source:HGNC Symbol;Acc:HGNC:5138]	chr2:17701	NM_01462	.	.	.	NP_05543	.	protein_co	ENSG0000	3233	5138
HOXD8	5.76112	6.73383	6.78517	5.08503	3.48746	8.97883	homeobox D8 [Source:HGNC Symbol;Acc:HGNC:5139]	chr2:17699	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	3234	5139
HOXD9	0.064238	0	0.054562	0	0	0.070362	homeobox D9 [Source:HGNC Symbol;Acc:HGNC:5140]	chr2:17698	NM_01421	.	.	.	NP_05502	.	protein_co	ENSG0000	3235	5140
HP	0.110288	0	0	0	0	0	haptoglobin [Source:HGNC Symbol;Acc:HGNC:5141]	chr16:7208	NM_00112	XM_00525	.	.	NP_00111	XP_00525	protein_co	ENSG0000	3240	5141
HP1BP3	58.1094	60.8617	55.4122	67.4001	70.873	59.9985	heterochromatin protein 1 binding protein 3 [Source:HGNC Symb	chr1:21069	NM_01628	XM_01700	.	.	NP_05737	XP_00524	protein_co	ENSG0000	50809	24973
HPCA	0.220117	0.054465	0.190072	0.117915	0.127708	0	hippocalcin [Source:HGNC Symbol;Acc:HGNC:5144]	chr1:33352	NM_00214	XM_00527	.	.	NP_00213	XP_00527	protein_co	ENSG0000	3208	5144
HPCAL1	40.3394	38.986	46.3241	42.9335	37.6779	42.9709	hippocalcin like 1 [Source:HGNC Symbol;Acc:HGNC:5145]	chr2:10443	NM_00125	XM_01151	.	.	NP_00124	XP_00524	protein_co	ENSG0000	3241	5145
HPCAL4	2.8643	2.92017	4.04235	3.54321	3.8458	4.64231	hippocalcin like 4 [Source:HGNC Symbol;Acc:HGNC:18212]	chr1:40144	NM_00128	XM_01700	.	.	NP_00126	XP_01685	protein_co	ENSG0000	51440	18212
HPD	0.435179	0.358939	0.447677	0.257598	0.22867	0.042425	4-hydroxyphenylpyruvate dioxygenase [Source:HGNC Symbol;Acc	chr12:1222	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	3242	5147
HPDL	0	0	0	0	0	0	4-hydroxyphenylpyruvate dioxygenase like [Source:HGNC Symbo	chr1:45792	NM_03275	.	.	.	NP_11614	.	protein_co	ENSG0000	84842	28242
HPF1	16.6674	17.7438	17.5055	16.7261	24.093	22.524	histone PARylation factor 1 [Source:HGNC Symbol;Acc:HGNC:260	chr4:17065	NM_01786	.	.	.	NP_06033	.	protein_co	ENSG0000	54969	26051
HPGD	0.163858	0.301952	0.304448	0.053287	0.123287	0.263364	hydroxyprostaglandin dehydrogenase 15-(NAD) [Source:HGNC Sy	chr4:17541	NM_00086	XM_01153	.	.	NP_00085	XP_01153	protein_co	ENSG0000	3248	5154
HPGDS	0	0	0	0	0	0	hematopoietic prostaglandin D synthase [Source:HGNC Symbol;A	chr4:95219	NM_01448	.	.	.	NP_05530	.	protein_co	ENSG0000	27306	17890
HPN	0.204793	0.036621	0.175074	0.174771	0.059624	0.170965	hepsin [Source:HGNC Symbol;Acc:HGNC:5155]	chr19:3553	NM_00215	XM_00672	.	.	NP_00214	XP_00525	protein_co	ENSG0000	3249	5155
HPR	0	0	0	0	0	0	haptoglobin-related protein [Source:HGNC Symbol;Acc:HGNC:51	chr16:7209	NM_02099	.	.	.	NP_06627	.	protein_co	ENSG0000	3250	5156
HPRT1	32.2602	27.5325	32.5886	38.7903	43.1907	37.1057	hypoxanthine phosphoribosyltransferase 1 [Source:HGNC Symbo	chrX:13359	NM_00019	.	.	.	NP_00018	.	protein_co	ENSG0000	3251	5157
HPS1	16.3107	15.8061	15.1105	17.5923	12.3446	11.1433	HPS1, biogenesis of lysosomal organelles complex 3 subunit 1 [So	chr10:1001	NM_00019	XM_00671	.	.	NP_00018	XP_00526	protein_co	ENSG0000	3257	5163
HPS3	6.51805	6.20218	7.29074	6.26352	7.88616	7.62191	HPS3, biogenesis of lysosomal organelles complex 2 subunit 1 [So	chr3:14884	NM_00130	XM_01151	.	.	NP_00129	XP_01151	protein_co	ENSG0000	84343	15597
HPS4	12.3923	12.7082	11.3322	11.7201	12.0707	11.1081	HPS4, biogenesis of lysosomal organelles complex 3 subunit 2 [So	chr22:2684	NM_02208	XM_01702	.	.	NP_07136	XP_00672	protein_co	ENSG0000	89781	15844
HPS5	7.98542	9.23405	8.58739	9.26274	9.91768	9.48224	HPS5, biogenesis of lysosomal organelles complex 2 subunit 2 [So	chr11:1830	NM_00721	XM_01701	.	.	NP_00914	XP_01151	protein_co	ENSG0000	11234	17022
HPS6	28.7293	29.1019	29.924	29.4896	28.3005	22.0532	HPS6, biogenesis of lysosomal organelles complex 2 subunit 3 [So	chr10:1038	NM_02474	.	.	.	NP_07902	.	protein_co	ENSG0000	79803	18817
HPSE	5.24804	5.42729	5.82289	7.10166	8.78981	9.82669	heparanase [Source:HGNC Symbol;Acc:HGNC:5164]	chr4:84213	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	10855	5164
HPSE2	0.018355	0.038038	0.115884	0.103791	0.108267	0.094005	heparanase 2 (inactive) [Source:HGNC Symbol;Acc:HGNC:18374]	chr10:1002	NM_00116	XM_01701	.	.	NP_00115	XP_00671	protein_co	ENSG0000	60495	18374
HPX	0.665803	0.928179	0.716234	0.474537	0.349096	0.370159	hemopexin [Source:HGNC Symbol;Acc:HGNC:5171]	chr11:6452	NM_00061	XM_00525	.	.	NP_00060	XP_00525	protein_co	ENSG0000	3263	5171
HR	4.76018	4.67288	4.42758	7.40336	6.77648	5.71979	hair growth associated [Source:HGNC Symbol;Acc:HGNC:5172]	chr8:21971	NM_00514	XM_00671	.	.	NP_00513	XP_00527	protein_co	ENSG0000	55806	5172
HRAS	52.5753	42.8847	42.2823	60.2665	56.3625	38.335	HRas proto-oncogene, GTPase [Source:HGNC Symbol;Acc:HGNC:	chr11:5322	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	3265	5173
HRASLS	0	0	0	0	0	0	HRAS like suppressor [Source:HGNC Symbol;Acc:HGNC:14922]	chr3:19295	NM_02038	.	.	.	NP_06511	.	protein_co	ENSG0000	57110	14922
HRASLS2	0	0.109628	0.374654	0	0	0.114755	HRAS like suppressor 2 [Source:HGNC Symbol;Acc:HGNC:17824]	chr11:6332	NM_01787	.	.	.	NP_06034	.	protein_co	ENSG0000	54979	17824
HRASLS5	0	0	0	0	0	0	HRAS like suppressor family member 5 [Source:HGNC Symbol;Acc	chr11:6322	NM_00114	XM_01154	.	.	NP_00114	XP_01154	protein_co	ENSG0000	117245	24978
HRC	0.030525	0.030556	0.027436	0	0	0	histidine rich calcium binding protein [Source:HGNC Symbol;Acc:	chr19:4965	NM_00215	.	.	.	NP_00214	XP_01688	protein_co	ENSG0000	3270	5178
HRCT1	0.087097	0.257764	0.60438	0.369471	0.204523	0.192502	histidine rich carboxyl terminus 1 [Source:HGNC Symbol;Acc:HGN	chr9:35906	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	646962	33872
HRG	0.032769	0.273099	0	0.072711	0.110761	0.302933	histidine rich glycoprotein [Source:HGNC Symbol;Acc:HGNC:5181	chr3:18638	NM_00041	XM_00524	.	.	NP_00040	XP_00524	protein_co	ENSG0000	3273	5181
HRH1	3.87966	4.22624	3.32393	3.33202	3.59636	3.63293	histamine receptor H1 [Source:HGNC Symbol;Acc:HGNC:5182]	chr3:11178	NM_00086	XM_01700	.	.	NP_00085	XP_01153	protein_co	ENSG0000	3269	5182
HRH2	0	0	0	0.019982	0	0	histamine receptor H2 [Source:HGNC Symbol;Acc:HGNC:5183]	chr5:17508	NM_00113	XM_01153	.	.	NP_00112	XP_00526	protein_co	ENSG0000	3274	5183
HRH3	0	0	0	0	0	0	histamine receptor H3 [Source:HGNC Symbol;Acc:HGNC:5184]	chr20:6079	NM_00722	XM_00526	.	.	NP_00916	XP_00526	protein_co	ENSG0000	11255	5184
HRH4	0.104954	0	0.024405	0.032065	0.09436	0.207717	histamine receptor H4 [Source:HGNC Symbol;Acc:HGNC:17383]	chr18:2204	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	59340	17383
HRK	1.38157	1.48632	1.06917	0.771573	0.653087	1.00355	harakiri, BCL2 interacting protein [Source:HGNC Symbol;Acc:HGN	chr12:1172	NM_00380	.	.	.	NP_00379	XP_01687	protein_co	ENSG0000	8739	5185
HRNR	0	0	0.0207	0	0	0	hornerin [Source:HGNC Symbol;Acc:HGNC:20846]	chr1:15218	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	388697	20846
HS1BP3	9.12089	9.03366	9.67349	10.3497	9.04924	8.65183	HCLS1 binding protein 3 [Source:HGNC Symbol;Acc:HGNC:24979]	chr2:20817	NM_02224	XM_01700	.	.	NP_07190	XP_01686	protein_co	ENSG0000	64342	24979
HS2ST1	10.4332	11.5271	13.8683	9.45678	10.9558	14.2303	heparan sulfate 2-O-sulfotransferase 1 [Source:HGNC Symbol;Acc	chr1:87380	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	9653	5193
HS3ST1	9.23408	9.36331	8.43105	14.3148	13.2143	12.2021	heparan sulfate-glucosamine 3-sulfotransferase 1 [Source:HGNC	chr4:11394	NM_00511	XM_01151	.	.	NP_00510	XP_01151	protein_co	ENSG0000	9957	5194
HS3ST2	0	0	0.035314	0	0	0	heparan sulfate-glucosamine 3-sulfotransferase 2 [Source:HGNC	chr16:2282	NM_00604	.	.	.	NP_00603	.	protein_co	ENSG0000	9956	5195
HS3ST3A1	0	0	0.107395	0.266716	0	0.138968	heparan sulfate-glucosamine 3-sulfotransferase 3A1 [Source:HGN	chr17:1339	NM_00604	.	.	.	NP_00603	XP_01688	protein_co	ENSG0000	9955	5196
HS3ST3B1	0.579739	0.695538	0.65415	0.972623	1.12072	1.08479	heparan sulfate-glucosamine 3-sulfotransferase 3B1 [Source:HGN	chr17:1420	NM_00604	.	.	.	NP_00603	.	protein_co	ENSG0000	9953	5198

HS3ST4	0	0	0	0	0	0	heparan sulfate-glucosamine 3-sulfotransferase 4 [Source:HGNC	chr16:2570	NM_00604	.	.	.	NP_00603	.	protein_co	ENSG0000	9951	5200
HS3ST5	0	0.024983	0	0	0	0	heparan sulfate-glucosamine 3-sulfotransferase 5 [Source:HGNC	chr6:11437	NM_15361	XM_01153	.	.	NP_705840	XP_006715	protein_co	ENSG0000	222537	19419
HS3ST6	0.116831	0	0.391783	0.122162	0	0	heparan sulfate-glucosamine 3-sulfotransferase 6 [Source:HGNC	chr16:1961	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	64711	14178
HS6ST1	14.8012	14.2831	14.9998	17.0164	15.5741	11.5465	heparan sulfate 6-O-sulfotransferase 1 [Source:HGNC Symbol;Acc	chr2:12902	NM_00480	.	.	.	NP_00479	.	protein_co	ENSG0000	9394	5201
HS6ST2	15.1701	15.946	15.4575	14.3389	13.725	9.93949	heparan sulfate 6-O-sulfotransferase 2 [Source:HGNC Symbol;Acc	chrX:13176	NM_00107	XM_01702	.	.	NP_001070	XP_005262	protein_co	ENSG0000	90161	19133
HS6ST3	0.042905	0.057116	0.149709	0.024324	0.059554	0.053061	heparan sulfate 6-O-sulfotransferase 3 [Source:HGNC Symbol;Acc	chr13:9674	NM_15345	.	.	.	NP_70315	.	protein_co	ENSG0000	266722	19134
hsa-mir-150	0	0.096087	0	0	0	0	hsa-mir-150 [Source:miRBase;Acc:MI0000479]	chr19:5000	.	.	.	.	.	.	protein_co	ENSG0000	.	.
HSBP1	108.695	108.551	97.6193	128.798	96.8376	101.813	heat shock factor binding protein 1 [Source:HGNC Symbol;Acc:HG	chr16:8384	NM_00153	.	.	.	NP_00152	.	protein_co	ENSG0000	3281	5203
HSBP1L1	31.8561	27.5852	26.5832	29.0108	24.1024	25.6136	heat shock factor binding protein 1 like 1 [Source:HGNC Symbol;A	chr18:7772	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	440498	37243
HSCB	7.67301	10.1482	6.77612	7.49992	7.42939	7.65449	HscB mitochondrial iron-sulfur cluster cochaperone [Source:HGN	chr22:2913	NM_00131	XM_01702	.	.	NP_00130	XP_005261	protein_co	ENSG0000	150274	28913
HSD11B1	0	0	0	0	0	0	hydroxysteroid 11-beta dehydrogenase 1 [Source:HGNC Symbol;A	chr1:20985	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	3290	5208
HSD11B1L	3.89482	2.19693	3.84839	3.02824	2.54951	2.77127	hydroxysteroid 11-beta dehydrogenase 1 like [Source:HGNC Sym	chr19:5674	NM_00126	.	.	.	NP_00125	.	protein_co	ENSG0000	374875	30419
HSD11B2	5.87663	5.09783	7.0546	5.54027	6.12106	4.48517	hydroxysteroid 11-beta dehydrogenase 2 [Source:HGNC Symbol;A	chr16:6746	NM_00019	.	.	.	NP_00018	.	protein_co	ENSG0000	3291	5209
HSD17B1	1.14665	1.18515	1.84427	1.00938	0.789057	1.07064	hydroxysteroid 17-beta dehydrogenase 1 [Source:HGNC Symbol;A	chr17:4070	NM_00041	XM_01152	.	.	NP_00040	XP_005257	protein_co	ENSG0000	3292	5210
HSD17B10	98.9934	102.821	83.1486	131.614	100.802	69.4382	hydroxysteroid 17-beta dehydrogenase 10 [Source:HGNC Symbol	chrX:53458	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	3028	4800
HSD17B11	32.314	29.379	24.1937	34.1037	30.0882	36.3418	hydroxysteroid 17-beta dehydrogenase 11 [Source:HGNC Symbol	chr4:88257	NM_01624	XM_00671	.	.	NP_05732	XP_006714	protein_co	ENSG0000	51170	22960
HSD17B12	29.9301	29.6982	28.8346	32.4347	31.6624	37.9429	hydroxysteroid 17-beta dehydrogenase 12 [Source:HGNC Symbol	chr11:4370	NM_01614	XM_01152	.	.	NP_05722	XP_011518	protein_co	ENSG0000	51144	18646
HSD17B13	0.243883	0.120292	0.211889	0.317913	0.269697	0.479508	hydroxysteroid 17-beta dehydrogenase 13 [Source:HGNC Symbol	chr4:88224	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	345275	18685
HSD17B14	1.36434	1.12742	0.678897	1.103	0.839249	1.04017	hydroxysteroid 17-beta dehydrogenase 14 [Source:HGNC Symbol	chr19:4931	NM_01624	XM_00525	.	.	NP_057330	XP_005259	protein_co	ENSG0000	51171	23238
HSD17B2	0.057192	0	0	0	0	0	hydroxysteroid 17-beta dehydrogenase 2 [Source:HGNC Symbol;A	chr16:8206	NM_00215	.	.	.	NP_00214	.	protein_co	ENSG0000	3294	5211
HSD17B3	0.168591	0	0.243455	0.156898	0.095169	0	hydroxysteroid 17-beta dehydrogenase 3 [Source:HGNC Symbol;A	chr9:98997	NM_00019	XM_01151	.	.	NP_00018	XP_011516	protein_co	ENSG0000	3293	5212
HSD17B4	34.3518	33.2052	35.7149	34.3271	34.138	38.7061	hydroxysteroid 17-beta dehydrogenase 4 [Source:HGNC Symbol;A	chr5:11878	NM_00041	.	.	.	NP_00040	.	protein_co	ENSG0000	3295	5213
HSD17B6	1.6237	1.70784	1.62041	1.8884	1.68173	1.46998	hydroxysteroid 17-beta dehydrogenase 6 [Source:HGNC Symbol;A	chr12:5712	NM_00372	XM_01153	.	.	NP_00371	XP_005269	protein_co	ENSG0000	8630	23316
HSD17B7	16.3785	14.7404	15.8056	16.4492	16.7616	18.9233	hydroxysteroid 17-beta dehydrogenase 7 [Source:HGNC Symbol;A	chr1:16276	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	51478	5215
HSD17B8	13.2293	13.243	9.54697	13.7989	11.8046	11.2597	hydroxysteroid 17-beta dehydrogenase 8 [Source:HGNC Symbol;A	chr6:33172	NM_01423	.	.	.	NP_05504	.	protein_co	ENSG0000	7923	3554
HSD3B1	0	0	0	0	0	0	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta	chr1:12004	NM_00086	XM_01700	.	.	NP_00085	XP_016856	protein_co	ENSG0000	3283	5217
HSD3B2	0	0	0	0	0	0	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta	chr1:11995	NM_00019	.	.	.	NP_00018	.	protein_co	ENSG0000	3284	5218
HSD3B7	5.96767	6.81924	5.94472	9.57314	8.71167	4.61058	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta	chr16:3099	NM_00114	XM_01702	.	.	NP_00113	XP_005255	protein_co	ENSG0000	80270	18324
HSDL1	20.3494	21.1807	21.0534	18.7592	18.3301	21.4815	hydroxysteroid dehydrogenase like 1 [Source:HGNC Symbol;Acc:H	chr16:8415	NM_00114	XM_00525	.	.	NP_00113	XP_005256	protein_co	ENSG0000	83693	16475
HSDL2	14.3976	15.2774	18.6376	17.4289	14.9729	16.6176	hydroxysteroid dehydrogenase like 2 [Source:HGNC Symbol;Acc:H	chr9:11514	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	84263	18572
HSF1	50.8862	50.0681	48.0055	54.0744	44.8415	41.7283	heat shock transcription factor 1 [Source:HGNC Symbol;Acc:HGN	chr8:14551	NM_00552	XM_01701	.	.	NP_00551	XP_005272	protein_co	ENSG0000	3297	5224
HSF2	12.4243	13.577	15.1645	15.3357	16.018	15.7991	heat shock transcription factor 2 [Source:HGNC Symbol;Acc:HGN	chr6:12272	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	3298	5225
HSF2BP	0.329459	0.127163	0.249227	0.458097	0.187528	0.127281	heat shock transcription factor 2 binding protein [Source:HGNC S	chr21:4494	NM_00703	XM_01152	.	.	NP_00896	XP_011527	protein_co	ENSG0000	11077	5226
HSF4	3.75243	2.14199	3.99557	2.99899	2.01542	2.87285	heat shock transcription factor 4 [Source:HGNC Symbol;Acc:HGN	chr16:6719	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	3299	5227
HSF5	0	0	0	0.025084	0	0	heat shock transcription factor 5 [Source:HGNC Symbol;Acc:HGN	chr17:5649	NM_00108	XM_01152	.	.	NP_00107	XP_011522	protein_co	ENSG0000	124535	26862
HSFX1	0	0	0	0	0	0	heat shock transcription factor family, X-linked 1 [Source:HGNC S	chrX:14885	NM_01615	.	.	.	NP_05723	.	protein_co	ENSG0000	100506164	29603
HSFX2	0	0	0	0	0	0	heat shock transcription factor family, X-linked 2 [Source:HGNC S	chrX:14867	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	100130086	32701
HSFY1	0	0	0	0	0	0	heat shock transcription factor, Y-linked 1 [Source:HGNC Symbol;	chrY:20708	NM_03310	XM_00526	.	.	NP_14909	XP_005262	protein_co	ENSG0000	159119	18568
HSFY2	0	0	0	0	0	0	heat shock transcription factor, Y-linked 2 [Source:HGNC Symbol;	chrY:20893	NM_00100	XM_00526	NR_00350	.	NP_00100	XP_005262	protein_co	ENSG0000	159119	23950
HSH2D	9.17069	9.5066	9.4043	6.6431	6.1065	6.62285	hematopoietic SH2 domain containing [Source:HGNC Symbol;Acc	chr19:1622	NM_03285	XM_01152	.	.	NP_11624	XP_011526	protein_co	ENSG0000	84941	24920
HSP90AA1	1434.58	1348.3	1058.72	2075.2	2148.03	1477.83	heat shock protein 90 alpha family class A member 1 [Source:HG	chr14:1025	NM_00101	XM_01153	.	.	NP_00101	XP_011535	protein_co	ENSG0000	3320	5253
HSP90AB1	1883.13	1876.25	1416.12	2093.26	1946.56	1417.42	heat shock protein 90 alpha family class B member 1 [Source:HG	chr6:44213	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	3326	5258
HSP90B1	1165.68	1080.35	462.961	907.495	1031.73	976.463	heat shock protein 90 beta family member 1 [Source:HGNC Symb	chr12:1043	NM_00329	.	NR_03742	.	NP_00329	.	protein_co	ENSG0000	100500842	12028
HSPA12A	8.90552	9.45343	12.0023	8.76591	10.7803	9.61888	heat shock protein family A (Hsp70) member 12A [Source:HGNC	chr10:1184	NM_02501	XM_01153	.	.	NP_07929	XP_005269	protein_co	ENSG0000	259217	19022
HSPA12B	0	0	0	0	0	0	heat shock protein family A (Hsp70) member 12B [Source:HGNC	chr20:3713	NM_00119	XM_01702	.	.	NP_00118	XP_005260	protein_co	ENSG0000	116835	16193
HSPA13	17.7781	17.4996	12.3188	14.7798	14.9285	24.8461	heat shock protein family A (Hsp70) member 13 [Source:HGNC Sy	chr21:1574	NM_00694	.	.	.	NP_00887	.	protein_co	ENSG0000	6782	11375
HSPA14	27.0218	24.1803	22.7439	25.6462	29.6858	23.8176	heat shock protein family A (Hsp70) member 14 [Source:HGNC Sy	chr10:1486	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	51182	29526
HSPA1A	2.27741	2.25186	1.40452	3.72035	3.19183	1.20776	heat shock protein family A (Hsp70) member 1A [Source:HGNC Sy	chr6:31783	NM_00534	.	.	.	NP_00533	.	protein_co	ENSG0000	3303	5232
HSPA1B	54.547	54.7471	32.5189	88.8335	77.7521	25.3258	heat shock protein family A (Hsp70) member 1B [Source:HGNC Sy	chr6:31795	NM_00534	.	.	.	NP_00533	.	protein_co	ENSG0000	3304	5233
HSPA1L	0.341495	0.351509	0.297644	0.080752	0.277668	0.152479	heat shock protein family A (Hsp70) member 1 like [Source:HGNC	chr6:31777	NM_00552	XM_01151	.	.	NP_00551	XP_005249	protein_co	ENSG0000	3305	5234
HSPA2	1.3695	1.62246	1.69304	1.64776	1.10958	1.6287	heat shock protein family A (Hsp70) member 2 [Source:HGNC Syr	chr14:6500	NM_02197	.	.	.	NP_06881	.	protein_co	ENSG0000	3306	5235
HSPA4	92.5876	96.0079	95.5385	107.419	119.242	94.01	heat shock protein family A (Hsp70) member 4 [Source:HGNC Syr	chr5:13238	NM_00215	.	.	.	NP_00214	.	protein_co	ENSG0000	3308	5237
HSPA4L	11.0714	11.7812	12.5107	11.9935	16.5061	11.1607	heat shock protein family A (Hsp70) member 4 like [Source:HGNC	chr4:12870	NM_01427	XM_01153	.	.	NP_00130	XP_011530	protein_co	ENSG0000	22824	17041
HSPA5	657.017	658.851	253.667	606.587	588.727	490.814	heat shock protein family A (Hsp70) member 5 [Source:HGNC Syr	chr9:12799	NM_00534	.	.	.	NP_00533	.	protein_co	ENSG0000	3309	5238
HSPA6	0	0.142697	0	0.217381	0.033735	0.031821	heat shock protein family A (Hsp70) member 6 [Source:HGNC Syr	chr1:16149	NM_00215	.	.	.	NP_00214	.	protein_co	ENSG0000	3310	5239
HSPA8	1353.41	1306.65	1068.21	1803.62	1641.67	721.63	heat shock protein family A (Hsp70) member 8 [Source:HGNC Syr	chr11:1229	NM_00659	XM_01154	.	.	NP_00658	XP_011541	protein_co	ENSG0000	3312	5241
HSPA9	224.97	220.112	177.174	236.558	228.572	269.124	heat shock protein family A (Hsp70) member 9 [Source:HGNC Syr	chr5:13789	NM_00413	.	.	.	NP_00412	.	protein_co	ENSG0000	3313	5244
HSPB1	576.788	593.274	405.317	819.716	612.709	469.656	heat shock protein family B (small) member 1 [Source:HGNC Sym	chr7:75931	NM_00154	.	.	.	NP_00153	.	protein_co	ENSG0000	3315	5246
HSPB11	33.1424	25.0987	33.8202	38.8733	45.955	36.5303	heat shock protein family B (small) member 11 [Source:HGNC Syr	chr1:54382	NM_01612	XM_00527	.	.	NP_00130	XP_005270	protein_co	ENSG0000	51668	25019

HSPB2	0	0.133721	0.115734	0	0	0.073787	heat shock protein family B (small) member 2 [Source:HGNC Sym	chr11:1117	NM_00154	.	.	.	NP_00153	.	protein_co	ENSG0000	3316	5247
HSPB3	0	0	0	0	0	0	heat shock protein family B (small) member 3 [Source:HGNC Sym	chr5:53751	NM_00630	.	.	.	NP_00629	.	protein_co	ENSG0000	8988	5248
HSPB6	0.070146	0.13892	0.059764	0.074799	0.272502	0.22936	heat shock protein family B (small) member 6 [Source:HGNC Sym	chr19:3624	NM_14461	.	.	.	NP_65321	.	protein_co	ENSG0000	126393	26511
HSPB7	0	0	0.032103	0	0	0	heat shock protein family B (small) member 7 [Source:HGNC Sym	chr1:1634	NM_01442	XM_01154	.	.	NP_05523	XP_01153	protein_co	ENSG0000	27129	5249
HSPB8	6.67566	4.8198	4.13656	7.14549	6.35131	5.33331	heat shock protein family B (small) member 8 [Source:HGNC Sym	chr12:1196	NM_01436	.	.	.	NP_05518	.	protein_co	ENSG0000	26353	30171
HSPB9	0.04589	0	0	0	0	0	heat shock protein family B (small) member 9 [Source:HGNC Sym	chr17:4026	NM_03319	.	.	.	NP_14997	.	protein_co	ENSG0000	94086	30589
HSPBAP1	3.63843	4.12578	3.67592	3.87278	4.28463	4.07643	HSPB1 associated protein 1 [Source:HGNC Symbol;Acc:HGNC:163	chr3:12245	NM_02461	XM_01151	.	.	NP_07888	XP_011511	protein_co	ENSG0000	79663	16389
HSPBP1	40.5658	40.0034	32.1306	47.8451	39.4131	34.75	HSPA (Hsp70) binding protein 1 [Source:HGNC Symbol;Acc:HGNC	chr19:5577	NM_00113	XM_01702	.	.	NP_00112	XP_005258	protein_co	ENSG0000	23640	24989
HSPD1	726.194	687.241	638.102	842.765	923.555	722.724	heat shock protein family D (Hsp60) member 1 [Source:HGNC Syr	chr2:19835	NM_00215	XM_00524	.	.	NP_00214	XP_005246	protein_co	ENSG0000	3329	5261
HSPE1	755.079	716.935	496.129	874.371	738.611	488.645	heat shock protein family E (Hsp10) member 1 [Source:HGNC Syn	chr2:19835	NM_00215	.	.	.	NP_00214	.	protein_co	ENSG0000	3336	5269
HSPE1-MOB4	8.85008	8.5849	8.43819	5.0989	12.3584	8.38926	HSPE1-MOB4 readthrough [Source:HGNC Symbol;Acc:HGNC:4918	chr2:19835	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	100529241	49184
HSPG2	5.70377	6.1615	9.66974	3.54925	3.77559	4.83573	heparan sulfate proteoglycan 2 [Source:HGNC Symbol;Acc:HGNC:	chr1:22138	NM_00129	XM_01700	.	.	NP_00127	XP_011539	protein_co	ENSG0000	3339	5273
HSPH1	88.9576	81.7367	55.3276	127.484	160.798	72.4278	heat shock protein family H (Hsp110) member 1 [Source:HGNC Sy	chr13:3170	NM_00128	XM_01153	.	.	NP_00127	XP_005266	protein_co	ENSG0000	10808	16969
HTATIP2	48.7954	48.0796	39.1963	52.9294	45.5736	52.8695	HIV-1 Tat interactive protein 2 [Source:HGNC Symbol;Acc:HGNC:1	chr11:2038	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	10553	16637
HTATSF1	37.9131	38.7025	32.3606	41.349	42.3916	33.5654	HIV-1 Tat specific factor 1 [Source:HGNC Symbol;Acc:HGNC:5276	chrX:13557	NM_00116	XM_00526	.	.	NP_00115	XP_005262	protein_co	ENSG0000	27336	5276
HTN1	0	0	0	0	0	0	histatin 1 [Source:HGNC Symbol;Acc:HGNC:5283]	chr4:70916	NM_00215	.	.	.	NP_00215	.	protein_co	ENSG0000	3346	5283
HTN3	0	0	0	0	0	0	histatin 3 [Source:HGNC Symbol;Acc:HGNC:5284]	chr4:70894	NM_00020	.	.	.	NP_00019	.	protein_co	ENSG0000	3347	5284
HTR1A	0	0	0	0	0	0	5-hydroxytryptamine receptor 1A [Source:HGNC Symbol;Acc:HGN	chr5:63256	NM_00052	.	.	.	NP_00051	.	protein_co	ENSG0000	3350	5286
HTR1B	0.192276	0.67273	0.411507	0.261097	0.110811	0.207047	5-hydroxytryptamine receptor 1B [Source:HGNC Symbol;Acc:HGN	chr6:78171	NM_00086	.	.	.	NP_00085	.	protein_co	ENSG0000	3351	5287
HTR1D	3.83641	4.33116	2.97875	5.06984	5.54974	3.43412	5-hydroxytryptamine receptor 1D [Source:HGNC Symbol;Acc:HGN	chr1:23518	NM_00086	.	.	.	NP_00085	.	protein_co	ENSG0000	3352	5289
HTR1E	0	0	0	0	0	0	5-hydroxytryptamine receptor 1E [Source:HGNC Symbol;Acc:HGN	chr6:87647	NM_00086	XM_01153	.	.	NP_00085	XP_011534	protein_co	ENSG0000	3354	5291
HTR1F	0	0	0	0	0	0	5-hydroxytryptamine receptor 1F [Source:HGNC Symbol;Acc:HGN	chr3:88039	NM_00086	XM_01153	.	.	NP_00085	XP_005264	protein_co	ENSG0000	3355	5292
HTR2A	0	0	0	0	0	0	5-hydroxytryptamine receptor 2A [Source:HGNC Symbol;Acc:HGN	chr13:4740	NM_00062	.	.	.	NP_00061	.	protein_co	ENSG0000	3356	5293
HTR2B	0	0	0	0	0	0	5-hydroxytryptamine receptor 2B [Source:HGNC Symbol;Acc:HGN	chr2:23192	NM_00086	XM_01151	.	.	NP_00085	XP_006712	protein_co	ENSG0000	3357	5294
HTR2C	0	0	0	0	0	0	5-hydroxytryptamine receptor 2C [Source:HGNC Symbol;Acc:HGN	chrX:11381	NM_00086	.	.	.	NP_00085	.	protein_co	ENSG0000	3358	5295
HTR3A	0.036537	0.037098	0.03151	0.11989	0.038007	0.077364	5-hydroxytryptamine receptor 3A [Source:HGNC Symbol;Acc:HGN	chr11:1138	NM_00086	.	.	.	NP_00086	.	protein_co	ENSG0000	3359	5297
HTR3B	0	0	0	0	0	0	5-hydroxytryptamine receptor 3B [Source:HGNC Symbol;Acc:HGN	chr11:1137	NM_00602	XM_01154	.	.	NP_00601	XP_011541	protein_co	ENSG0000	9177	5298
HTR3C	0	0	0	0	0	0	5-hydroxytryptamine receptor 3C [Source:HGNC Symbol;Acc:HGN	chr3:18377	NM_13077	.	.	.	NP_57012	.	protein_co	ENSG0000	170572	24003
HTR3D	0	0	0	0	0	0.093286	5-hydroxytryptamine receptor 3D [Source:HGNC Symbol;Acc:HGN	chr3:18374	NM_00114	XM_01700	.	.	NP_00113	XP_016861	protein_co	ENSG0000	200909	24004
HTR3E	0	0	0	0	0	0	5-hydroxytryptamine receptor 3E [Source:HGNC Symbol;Acc:HGN	chr3:18381	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	285242	24005
HTR4	0	0	0	0	0	0	5-hydroxytryptamine receptor 4 [Source:HGNC Symbol;Acc:HGN(	chr5:14783	NM_00087	.	.	.	NP_00086	.	protein_co	ENSG0000	3360	5299
HTR5A	0	0	0	0	0	0	5-hydroxytryptamine receptor 5A [Source:HGNC Symbol;Acc:HGN	chr7:15486	NM_02401	.	.	.	NP_07691	.	protein_co	ENSG0000	3361	5300
HTR6	0.571422	0.547799	0.597947	0.074957	0.084439	0.491164	5-hydroxytryptamine receptor 6 [Source:HGNC Symbol;Acc:HGN(	chr1:19991	NM_00087	.	.	.	NP_00086	.	protein_co	ENSG0000	3362	5301
HTR7	9.97055	8.55582	10.4953	7.95962	8.98172	9.3804	5-hydroxytryptamine receptor 7 [Source:HGNC Symbol;Acc:HGN(	chr10:9250	NM_00087	.	.	.	NP_00086	.	protein_co	ENSG0000	3363	5302
HTRA1	0	0.123535	0.070457	0.044724	0.047046	0.086927	HtrA serine peptidase 1 [Source:HGNC Symbol;Acc:HGNC:9476]	chr10:1242	NM_00277	.	.	.	NP_00276	.	protein_co	ENSG0000	5654	9476
HTRA2	21.2902	19.7858	20.48	22.3502	16.4472	15.6572	HtrA serine peptidase 2 [Source:HGNC Symbol;Acc:HGNC:14348]	chr2:74753	NM_01324	XM_00526	.	.	NP_00130	.	protein_co	ENSG0000	27429	14348
HTRA3	0.069099	0.067455	0	0.07373	0.040286	0.038605	HtrA serine peptidase 3 [Source:HGNC Symbol;Acc:HGNC:30406]	chr4:82714	NM_00129	XM_01151	.	.	NP_00128	XP_011511	protein_co	ENSG0000	94031	30406
HTRA4	0	0	0	0	0	0	HtrA serine peptidase 4 [Source:HGNC Symbol;Acc:HGNC:26909]	chr8:38831	NM_15369	XM_01154	.	.	NP_71015	.	protein_co	ENSG0000	203100	26909
HTT	6.19479	6.96115	7.9999	6.21161	6.55097	6.13869	huntingtin [Source:HGNC Symbol;Acc:HGNC:4851]	chr4:30764	NM_00211	.	.	.	NP_00210	.	protein_co	ENSG0000	3064	4851
HUG1	0	0	0	0	0	0	.	chr10:1028	.	.	.	.	.	.	protein_co	ENSG0000	.	.
HUNK	0	0	0.008624	0	0	0	hormonally up-regulated Neu-associated kinase [Source:HGNC Sy	chr21:3324	NM_01458	XM_01152	.	.	NP_05540	XP_011527	protein_co	ENSG0000	30811	13326
HUS1	8.0482	7.07175	8.65017	6.6426	6.96937	5.62341	HUS1 checkpoint clamp component [Source:HGNC Symbol;Acc:H	chr7:48002	NM_00450	XM_01701	.	.	NP_00449	XP_016867	protein_co	ENSG0000	3364	5309
HUS1B	0.200883	0.198787	0	0	0.46533	0.325849	HUS1 checkpoint clamp component B [Source:HGNC Symbol;Acc:	chr6:48513	NM_14895	.	.	.	NP_68376	.	protein_co	ENSG0000	135458	16485
HUWE1	31.4796	35.4041	33.3546	31.9748	33.0578	32.3181	HECT, UBA and WWE domain containing 1, E3 ubiquitin protein li	chrX:53559	NM_03140	XM_01153	.	.	NP_11358	XP_005262	protein_co	ENSG0000	10075	30892
HVCN1	0.142012	0.057725	0	0.052191	0.129733	0.226444	hydrogen voltage gated channel 1 [Source:HGNC Symbol;Acc:HG	chr12:1110	NM_00104	XM_01702	.	.	NP_00103	XP_005254	protein_co	ENSG0000	84329	28240
HYAL1	1.60768	2.06126	3.99734	2.45026	2.84235	3.154	hyaluronoglucosaminidase 1 [Source:HGNC Symbol;Acc:HGNC:53	chr3:50337	NM_03319	XM_01153	.	.	NP_14934	XP_011531	protein_co	ENSG0000	3373	5320
HYAL2	41.1366	38.538	42.8948	44.7502	39.8181	31.4965	hyaluronoglucosaminidase 2 [Source:HGNC Symbol;Acc:HGNC:53	chr3:50355	NM_00377	XM_00526	.	.	NP_00376	XP_005265	protein_co	ENSG0000	8692	5321
HYAL3	4.13533	4.18216	4.76417	4.94776	3.82888	4.6085	hyaluronoglucosaminidase 3 [Source:HGNC Symbol;Acc:HGNC:53	chr3:50316	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	8372	5322
HYAL4	0	0	0	0	0	0.050801	hyaluronoglucosaminidase 4 [Source:HGNC Symbol;Acc:HGNC:53	chr7:12348	NM_01222	XM_01151	.	.	NP_03640	XP_011514	protein_co	ENSG0000	23553	5323
HYDIN	0	0.044178	0	0	0	0	HYDIN, axonemal central pair apparatus protein [Source:HGNC Sy	chr16:7084	NM_00119	XM_01152	.	.	NP_00118	XP_006721	protein_co	ENSG0000	54768	19368
HYI	6.14499	5.83705	5.78052	3.34994	3.91848	2.57786	hydroxypyruvate isomerase (putative) [Source:HGNC Symbol;Acc	chr1:43855	NM_00119	XM_01154	.	.	NP_00117	XP_005271	protein_co	ENSG0000	81888	26948
HYKK	3.82998	3.67651	4.86805	5.29875	5.14432	3.26418	hydroxylysine kinase [Source:HGNC Symbol;Acc:HGNC:34403]	chr15:7879	NM_00101	.	.	.	NP_00101	XP_011519	protein_co	ENSG0000	123688	34403
HYLS1	14.6337	12.613	11.6436	17.1669	17.5898	18.1602	HYLS1, centriolar and ciliogenesis associated [Source:HGNC Symb	chr11:1257	NM_00113	XM_01154	.	.	NP_00112	XP_005271	protein_co	ENSG0000	219844	26558
HYOU1	141.982	144.352	69.8434	129.54	118.992	110.608	hypoxia up-regulated 1 [Source:HGNC Symbol;Acc:HGNC:16931]	chr11:1189	NM_00113	XM_01701	.	.	NP_00112	XP_005271	protein_co	ENSG0000	10525	16931
HYPK	77.0494	70.0564	51.8534	97.2689	68.4973	49.4607	huntingtin interacting protein K [Source:HGNC Symbol;Acc:HGNC	chr15:4403	NM_01640	.	.	.	NP_00118	.	protein_co	ENSG0000	25764	18418
HYPM	0	0	0	0	0	0	huntingtin interacting protein M [Source:HGNC Symbol;Acc:HGN(	chrX:37208	NM_01227	.	.	.	NP_03640	.	protein_co	ENSG0000	25763	18417
IAH1	15.7688	14.4456	17.4341	17.2647	12.5723	18.0712	isoamyl acetate-hydrolyzing esterase 1 homolog [Source:HGNC S	chr2:96139	NM_00103	XM_00524	.	.	NP_00103	XP_016859	protein_co	ENSG0000	285148	27696
IAPP	0	0.055846	0	0	0	0	islet amyloid polypeptide [Source:HGNC Symbol;Acc:HGNC:5329]	chr12:2141	NM_00041	.	.	.	NP_00040	.	protein_co	ENSG0000	3375	5329
IARS	88.9262	89.1376	76.0339	78.8022	89.1283	127.177	isoleucyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:5330	chr9:94972	NM_00216	.	.	.	NP_00215	.	protein_co	ENSG0000	3376	5330

IARS2	52.9421	53.0145	65.6068	53.4799	59.445	62.5372	isoleucyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbo	chr1:22026	NM_01806	.	.	.	NP_06053(	.	protein_co	ENSG0000(	55699	29685
IBA57	2.98749	2.66983	3.23388	3.37818	3.2228	2.72188	IBA57 homolog, iron-sulfur cluster assembly [Source:HGNC Symb	chr1:22835	NM_00101	.	.	.	NP_00101(	.	protein_co	ENSG0000(	200205	27302
IBSP	0	0	0	0	0	0	integrin binding sialoprotein [Source:HGNC Symbol;Acc:HGNC:53	chr4:88720	NM_00496	.	.	.	NP_00495	.	protein_co	ENSG0000(	3381	5341
IBTK	14.1225	15.0533	13.0149	13.6043	19.6533	20.1778	inhibitor of Bruton tyrosine kinase [Source:HGNC Symbol;Acc:HG	chr6:82879	NM_00130	XM_00671	.	.	NP_00128	XP_006715	protein_co	ENSG0000(	25998	17853
ICA1	6.63744	5.23328	7.52616	5.61342	5.7545	7.34586	islet cell autoantigen 1 [Source:HGNC Symbol;Acc:HGNC:5343]	chr7:81528	NM_00113	XM_01701	.	.	NP_00112	XP_005249	protein_co	ENSG0000(	3382	5343
ICA1L	0.582707	0.523465	0.674364	0.694954	0.71182	0.814529	islet cell autoantigen 1 like [Source:HGNC Symbol;Acc:HGNC:1444	chr2:20363	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000(	130026	14442
ICAM1	4.33957	5.44482	7.42193	8.66258	7.64918	7.58703	intercellular adhesion molecule 1 [Source:HGNC Symbol;Acc:HGN	chr19:1038	NM_00020	.	.	.	NP_00019	.	protein_co	ENSG0000(	3383	5344
ICAM2	0	0	0	0.081629	0	0.324865	intercellular adhesion molecule 2 [Source:HGNC Symbol;Acc:HGN	chr17:6207	NM_00087	.	.	.	NP_00086	.	protein_co	ENSG0000(	3384	5345
ICAM3	4.58292	3.40686	3.38312	3.01124	3.2121	2.15717	intercellular adhesion molecule 3 [Source:HGNC Symbol;Acc:HGN	chr19:1044	NM_00216	XM_01152	.	.	NP_00130	XP_011526	protein_co	ENSG0000(	3385	5346
ICAM4	0.171379	0.08453	0.119683	0.185518	0.19948	0.093486	intercellular adhesion molecule 4 (Landsteiner-Wiener blood grou	chr19:1039	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000(	3386	5347
ICAM5	10.5958	11.3641	15.4696	7.44009	7.41317	11.9973	intercellular adhesion molecule 5 [Source:HGNC Symbol;Acc:HGN	chr19:1040	NM_00325	XM_01152	.	.	NP_00325(	XP_011526	protein_co	ENSG0000(	7087	5348
ICE1	14.4515	14.5447	14.0195	12.5816	15.761	12.6678	interactor of little elongation complex ELL subunit 1 [Source:HGN	chr5:54228	NM_01532	.	.	.	NP_05614(	XP_011512	protein_co	ENSG0000(	23379	29154
ICE2	8.50928	8.49897	8.33692	7.81066	9.85803	11.2626	interactor of little elongation complex ELL subunit 2 [Source:HGN	chr15:6071	NM_00101	XM_01152	.	.	NP_00101	XP_005254	protein_co	ENSG0000(	79664	29885
ICK	5.19223	5.53294	5.32874	5.03175	5.91377	7.03856	intestinal cell kinase [Source:HGNC Symbol;Acc:HGNC:21219]	chr6:52866	NM_01492	XM_01701	.	.	NP_05573	XP_011512	protein_co	ENSG0000(	22858	21219
ICMT	35.5199	35.0348	28.9865	36.2743	34.8244	30.6162	isoprenylcysteine carboxyl methyltransferase [Source:HGNC Sym	chr1:62662	NM_01240	XM_01154	.	.	NP_03653	XP_011539	protein_co	ENSG0000(	23463	5350
ICOS	0.036956	0	0	0	0	0	inducible T-cell costimulator [Source:HGNC Symbol;Acc:HGNC:53	chr2:20480	NM_01209	.	.	.	NP_03622	.	protein_co	ENSG0000(	29851	5351
ICOSLG	4.79815	4.59952	4.48052	3.56423	3.49991	2.43741	inducible T-cell costimulator ligand [Source:HGNC Symbol;Acc:HG	chr21:4564	NM_00128	XM_01152	.	.	NP_00126	XP_011527	protein_co	ENSG0000(	102723996	17087
ID1	197.205	190.583	256.073	295.86	251.098	399.435	inhibitor of DNA binding 1, HLH protein [Source:HGNC Symbol;Ac	chr20:3019	NM_00216	.	.	.	NP_00215	.	protein_co	ENSG0000(	3397	5360
ID2	56.947	52.8657	96.4477	124.67	105.149	156.415	inhibitor of DNA binding 2, HLH protein [Source:HGNC Symbol;Ac	chr2:88189	NM_00216	.	.	.	NP_00215	.	protein_co	ENSG0000(	3398	5361
ID3	67.2637	69.0686	48.4689	133.403	97.4164	105.018	inhibitor of DNA binding 3, HLH protein [Source:HGNC Symbol;Ac	chr1:23884	NM_00216	.	.	.	NP_00215	.	protein_co	ENSG0000(	3399	5362
ID4	0	0.16647	0.183559	0.24166	0.421335	0.743973	inhibitor of DNA binding 4, HLH protein [Source:HGNC Symbol;Ac	chr6:19837	NM_00154	.	.	.	NP_00153	.	protein_co	ENSG0000(	3400	5363
IDE	15.3069	15.4302	14.2834	8.47261	9.93213	9.35772	insulin degrading enzyme [Source:HGNC Symbol;Acc:HGNC:5381]	chr10:9421	NM_00116	XM_00526	.	.	NP_00115	XP_016871	protein_co	ENSG0000(	3416	5381
IDH1	48.2013	45.5262	51.6717	58.0183	58.0017	74.8581	isocitrate dehydrogenase (NADP(+)) 1, cytosolic [Source:HGNC Sy	chr2:20910	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000(	3417	5382
IDH2	23.4479	22.2787	33.8583	38.2615	33.0424	37.653	isocitrate dehydrogenase (NADP(+)) 2, mitochondrial [Source:HG	chr15:9062	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000(	3418	5383
IDH3A	29.6237	33.8696	33.2409	27.3504	38.6929	28.2534	isocitrate dehydrogenase 3 (NAD(+)) alpha [Source:HGNC Symbol	chr15:7844	NM_00553	XM_00525	.	.	NP_00552	XP_005254	protein_co	ENSG0000(	3419	5384
IDH3B	64.3279	58.5377	62.2226	70.8108	55.9343	53.6835	isocitrate dehydrogenase 3 (NAD(+)) beta [Source:HGNC Symbol;	chr20:2639	NM_00125	XM_00526	.	.	NP_00124	XP_005260	protein_co	ENSG0000(	3420	5385
IDH3G	32.7172	34.978	31.5789	32.6153	25.5445	19.6408	isocitrate dehydrogenase 3 (NAD(+)) gamma [Source:HGNC Symb	chrX:15305	NM_00413	.	.	.	NP_00412	.	protein_co	ENSG0000(	3421	5386
IDI1	37.5213	35.8342	44.6211	57.0679	60.5376	71.7244	isopentenyl-diphosphate delta isomerase 1 [Source:HGNC Symbo	chr10:1085	NM_00450	.	.	.	NP_00449	.	protein_co	ENSG0000(	3422	5387
IDI2	0	0	0	0	0	0	isopentenyl-diphosphate delta isomerase 2 [Source:HGNC Symbo	chr10:1033	NM_03326	.	.	.	NP_15028	.	protein_co	ENSG0000(	91734	23487
IDNK	2.09017	1.30033	2.18852	1.06026	1.23238	3.31907	IDNK, gluconokinase [Source:HGNC Symbol;Acc:HGNC:31367]	chr9:86237	NM_00100	XM_01151	.	.	NP_00100	XP_006717	protein_co	ENSG0000(	414328	31367
IDO1	0	0	0	0	0	0	indoleamine 2,3-dioxygenase 1 [Source:HGNC Symbol;Acc:HGNC:	chr8:39759	NM_00216	.	.	.	NP_00215	.	protein_co	ENSG0000(	3620	6059
IDO2	0	0	0	0	0	0	indoleamine 2,3-dioxygenase 2 [Source:HGNC Symbol;Acc:HGNC:	chr8:39792	NM_19429	.	.	.	NP_91927(	.	protein_co	ENSG0000(	169355	27269
IDS	21.296	22.5443	20.1775	15.1258	13.3668	14.6831	iduronate 2-sulfatase [Source:HGNC Symbol;Acc:HGNC:5389]	chrX:14855	NM_00020	.	.	.	NP_00019	.	protein_co	ENSG0000(	3423	5389
IDUA	4.27927	4.40385	6.84312	1.92582	1.29927	2.22864	iduronidase, alpha-L- [Source:HGNC Symbol;Acc:HGNC:5391]	chr4:97286	NM_00020	XM_01151	.	.	NP_00019	XP_006713	protein_co	ENSG0000(	3425	5391
IER2	92.4666	95.7849	103.799	90.398	81.7549	128.643	immediate early response 2 [Source:HGNC Symbol;Acc:HGNC:288	chr19:1326	NM_00490	.	.	.	NP_00489	.	protein_co	ENSG0000(	9592	28871
IER3	575.315	562.394	640.521	463.129	415.773	820.103	immediate early response 3 [Source:HGNC Symbol;Acc:HGNC:539	chr6:30710	NM_00389	.	.	.	NP_00388	.	protein_co	ENSG0000(	8870	5392
IER3IP1	13.9946	13.4892	10.9371	16.2593	15.3863	15.1512	immediate early response 3 interacting protein 1 [Source:HGNC S	chr18:4467	NM_01609	.	.	.	NP_05718	.	protein_co	ENSG0000(	51124	18550
IER5	24.4792	25.9319	23.9171	30.9633	25.8821	25.3353	immediate early response 5 [Source:HGNC Symbol;Acc:HGNC:539	chr1:18105	NM_01654	.	.	.	NP_05762	.	protein_co	ENSG0000(	51278	5393
IER5L	56.0228	58.4227	70.4876	56.3403	45.2234	70.3015	immediate early response 5 like [Source:HGNC Symbol;Acc:HGNC	chr9:13193	NM_20343	.	.	.	NP_98225	.	protein_co	ENSG0000(	389792	23679
IFFO1	0.150911	0.029625	0.052257	0.032234	0.184997	0.03383	intermediate filament family orphan 1 [Source:HGNC Symbol;Acc	chr12:6647	NM_00103	XM_01701	.	.	NP_00103	XP_006719	protein_co	ENSG0000(	25900	24970
IFFO2	5.94139	5.72643	7.637	7.46937	7.49997	5.76261	intermediate filament family orphan 2 [Source:HGNC Symbol;Acc	chr1:19230	NM_00113	XM_01154	.	.	NP_00112	XP_011538	protein_co	ENSG0000(	126917	27006
IFI16	0.17581	0.294593	0.133056	0.341956	0.306352	0.099407	interferon gamma inducible protein 16 [Source:HGNC Symbol;Ac	chr1:15897	NM_00120	XM_01150	.	.	NP_00119	XP_005245	protein_co	ENSG0000(	3428	5395
IFI27	73.1953	73.816	4.85075	9.5283	7.67327	3.98389	interferon alpha inducible protein 27 [Source:HGNC Symbol;Acc:H	chr14:9457	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000(	3429	5397
IFI27L1	21.0786	17.2682	14.4759	16.5831	12.6599	11.1274	interferon alpha inducible protein 27 like 1 [Source:HGNC Symbo	chr14:9454	NM_14524	XM_01153	.	.	NP_66029	XP_011534	protein_co	ENSG0000(	122509	19754
IFI27L2	63.8487	54.1381	70.1101	72.6489	51.6976	57.6304	interferon alpha inducible protein 27 like 2 [Source:HGNC Symbo	chr14:9459	NM_03203	.	.	.	NP_11442	.	protein_co	ENSG0000(	83982	19753
IFI30	97.2267	94.2188	83.0285	114.2	93.959	73.2618	IFI30, lysosomal thiol reductase [Source:HGNC Symbol;Acc:HGNC	chr19:1828	NM_00633	.	.	.	NP_00632	.	protein_co	ENSG0000(	10437	5398
IFI35	12.0906	13.8146	7.86256	14.2656	9.23432	10.0437	interferon induced protein 35 [Source:HGNC Symbol;Acc:HGNC:5	chr17:4115	NM_00553	XM_00525	.	.	NP_00552	XP_005257	protein_co	ENSG0000(	3430	5399
IFI44	8.07959	8.56028	0.82304	7.22466	6.94242	4.23241	interferon induced protein 44 [Source:HGNC Symbol;Acc:HGNC:1	chr1:79115	NM_00641	XM_01154	NR_13564(	.	NP_00640	XP_011538	protein_co	ENSG0000(	10561	16938
IFI44L	0.105123	0.185608	0.022927	0	0.014423	0	interferon induced protein 44 like [Source:HGNC Symbol;Acc:HGN	chr1:79086	NM_00682	XM_01154	.	.	NP_00681	XP_011538	protein_co	ENSG0000(	10964	17817
IFI6	239.671	217.473	42.8225	79.2745	62.5746	75.1703	interferon alpha inducible protein 6 [Source:HGNC Symbol;Acc:H	chr1:27992	NM_00203	.	.	.	NP_00202	.	protein_co	ENSG0000(	2537	4054
IFIH1	8.88197	9.00858	4.19455	4.94781	8.11654	6.83623	interferon induced with helicase C domain 1 [Source:HGNC Symb	chr2:16312	NM_02216	XM_01151	.	.	NP_07145	.	protein_co	ENSG0000(	64135	18873
IFIT1	68.5199	66.7163	3.96411	61.3321	51.0752	40.2671	interferon induced protein with tetratricopeptide repeats 1 [Sour	chr10:9097	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000(	3434	5407
IFIT1B	0	0	0	0	0	0	interferon induced protein with tetratricopeptide repeats 1B [Sou	chr10:9097	NM_00101	.	.	.	NP_00101(	.	protein_co	ENSG0000(	439996	23442
IFIT2	33.4627	35.2345	1.92911	18.5857	19.1344	19.0679	interferon induced protein with tetratricopeptide repeats 2 [Sour	chr10:9097	NM_00154	.	.	.	NP_00153	.	protein_co	ENSG0000(	3433	5409
IFIT3	18.5666	17.2428	1.64379	16.8375	17.7111	12.4099	interferon induced protein with tetratricopeptide repeats 3 [Sour	chr10:9097	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000(	3437	5411
IFIT5	15.2006	16.3311	10.7991	13.4	13.9177	11.5327	interferon induced protein with tetratricopeptide repeats 5 [Sour	chr10:9117	NM_01242	.	.	.	NP_03655	.	protein_co	ENSG0000(	24138	13328
IFITM1	9.0023	9.78997	4.9135	0.669423	0.228539	0.652879	interferon induced transmembrane protein 1 [Source:HGNC Sym	chr11:3135	NM_00364	.	.	.	NP_00363	.	protein_co	ENSG0000(	8519	5412
IFITM10	0.025659	7.4E-118	0.127453	0.092844	0.030751	0.143466	interferon induced transmembrane protein 10 [Source:HGNC Syn	chr11:1753	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000(	402778	40022
IFITM2	111.578	104.693	124.912	110.491	84.249	78.5656	interferon induced transmembrane protein 2 [Source:HGNC Sym	chr11:3076	NM_00643	.	.	.	NP_00642	.	protein_co	ENSG0000(	10581	5413

IFITM3	488.682	478.798	303.567	440.881	318.873	252.594	interferon induced transmembrane protein 3 [Source:HGNC Sym	chr11:3196	NM_02103	.	.	.	NP_06636	.	protein_co	ENSG0000	10410	5414
IFITM5	0	0	0	0	0	0	interferon induced transmembrane protein 5 [Source:HGNC Sym	chr11:2981	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	387733	16644
IFNA1	0	0	0	0	0	0	interferon alpha 1 [Source:HGNC Symbol;Acc:HGNC:5417]	chr9:21409	NM_02401	.	.	.	NP_07691	.	protein_co	ENSG0000	3439	5417
IFNA10	0	0	0	0	0	0	interferon alpha 10 [Source:HGNC Symbol;Acc:HGNC:5418]	chr9:21206	NM_00217	.	.	.	NP_00216	.	protein_co	ENSG0000	3446	5418
IFNA13	0	0	0	0	0	0	interferon alpha 13 [Source:HGNC Symbol;Acc:HGNC:5419]	chr9:21367	NM_00690	.	.	.	NP_00883	.	protein_co	ENSG0000	3447	5419
IFNA14	0	0	0	0	0	0	interferon alpha 14 [Source:HGNC Symbol;Acc:HGNC:5420]	chr9:21239	NM_00217	.	.	.	NP_00216	.	protein_co	ENSG0000	3448	5420
IFNA16	0	0	0	0	0	0	interferon alpha 16 [Source:HGNC Symbol;Acc:HGNC:5421]	chr9:21216	NM_00217	.	.	.	NP_00216	.	protein_co	ENSG0000	3449	5421
IFNA17	0	0	0	0	0	0	interferon alpha 17 [Source:HGNC Symbol;Acc:HGNC:5422]	chr9:21227	NM_02126	.	.	.	NP_06709	.	protein_co	ENSG0000	3451	5422
IFNA2	0	0	0	0	0	0	interferon alpha 2 [Source:HGNC Symbol;Acc:HGNC:5423]	chr9:21384	NM_00060	.	.	.	NP_00059	.	protein_co	ENSG0000	3440	5423
IFNA21	0	0	0	0	0	0	interferon alpha 21 [Source:HGNC Symbol;Acc:HGNC:5424]	chr9:21165	NM_00217	.	.	.	NP_00216	.	protein_co	ENSG0000	3452	5424
IFNA4	0	0	0	0	0	0	interferon alpha 4 [Source:HGNC Symbol;Acc:HGNC:5425]	chr9:21186	NM_02106	.	.	.	NP_06654	.	protein_co	ENSG0000	3441	5425
IFNA5	0	0	0	0.160733	0	0	interferon alpha 5 [Source:HGNC Symbol;Acc:HGNC:5426]	chr9:21304	NM_00216	.	.	.	NP_00216	.	protein_co	ENSG0000	3442	5426
IFNA6	0	0	0	0	0	0	interferon alpha 6 [Source:HGNC Symbol;Acc:HGNC:5427]	chr9:21349	NM_02100	.	.	.	NP_06628	.	protein_co	ENSG0000	3443	5427
IFNA7	0	0	0	0	0	0	interferon alpha 7 [Source:HGNC Symbol;Acc:HGNC:5428]	chr9:21201	NM_02105	.	.	.	NP_06640	.	protein_co	ENSG0000	3444	5428
IFNA8	0	0	0	0	0	0	interferon alpha 8 [Source:HGNC Symbol;Acc:HGNC:5429]	chr9:21409	NM_00217	.	.	.	NP_00216	.	protein_co	ENSG0000	3445	5429
IFNAR1	7.73565	8.16829	8.19089	5.79193	7.63946	9.00202	interferon alpha and beta receptor subunit 1 [Source:HGNC Symb	chr21:3469	NM_00062	XM_00526	.	.	NP_00062	XP_00526	protein_co	ENSG0000	3454	5432
IFNAR2	6.93265	7.27976	9.28463	5.39336	7.91415	8.73247	interferon alpha and beta receptor subunit 2 [Source:HGNC Symb	chr21:3460	NM_00087	.	.	.	NP_00086	.	protein_co	ENSG0000	3455	5433
IFNB1	0.762376	0.26904	0	0.569996	0.094012	0.339131	interferon beta 1 [Source:HGNC Symbol;Acc:HGNC:5434]	chr9:21077	NM_00217	.	.	.	NP_00216	.	protein_co	ENSG0000	3456	5434
IFNE	0.429204	0.230938	0.516025	0.184491	0.470568	0.260026	interferon epsilon [Source:HGNC Symbol;Acc:HGNC:18163]	chr9:21480	NM_17689	.	.	.	NP_79537	.	protein_co	ENSG0000	338376	18163
IFNG	0	0	0	0	0	0	interferon gamma [Source:HGNC Symbol;Acc:HGNC:5438]	chr12:6854	NM_00061	.	.	.	NP_00061	.	protein_co	ENSG0000	3458	5438
IFNGR1	27.8712	25.9534	28.5584	15.1553	17.7146	18.9976	interferon gamma receptor 1 [Source:HGNC Symbol;Acc:HGNC:5	chr6:13751	NM_00041	XM_01153	.	.	NP_00040	XP_00671	protein_co	ENSG0000	3459	5439
IFNGR2	46.3362	44.9293	43.5433	39.2388	31.1129	32.6827	interferon gamma receptor 2 (interferon gamma transducer 1) [S	chr21:3477	NM_00553	XM_00526	.	.	NP_00131	XP_00526	protein_co	ENSG0000	3460	5440
IFNK	0	0	0	0	0	0	interferon kappa [Source:HGNC Symbol;Acc:HGNC:21714]	chr9:27325	NM_02012	.	.	.	NP_06450	.	protein_co	ENSG0000	56832	21714
IFNL1	3.62891	4.66838	0	4.52375	4.69289	6.63951	interferon lambda 1 [Source:HGNC Symbol;Acc:HGNC:18363]	chr19:3978	NM_17214	.	.	.	NP_74215	.	protein_co	ENSG0000	282618	18363
IFNL2	1.94633	1.51778	0	2.53422	0.47952	1.83576	interferon lambda 2 [Source:HGNC Symbol;Acc:HGNC:18364]	chr19:3975	NM_17213	XM_01152	.	.	NP_74215	XP_01152	protein_co	ENSG0000	282616	18364
IFNL3	0.497286	1.4248	0.123957	1.59838	1.90957	2.37141	interferon lambda 3 [Source:HGNC Symbol;Acc:HGNC:18365]	chr19:3973	NM_17213	XM_01152	.	.	NP_74215	XP_00525	protein_co	ENSG0000	282617	18365
IFNLR1	4.51043	4.61072	3.60007	3.90749	3.78003	3.64203	interferon lambda receptor 1 [Source:HGNC Symbol;Acc:HGNC:1	chr1:24480	NM_17074	XM_01700	.	.	NP_73446	XP_01685	protein_co	ENSG0000	163702	18584
IFNW1	0	0	0	0	0	0	interferon omega 1 [Source:HGNC Symbol;Acc:HGNC:5448]	chr9:21140	NM_00217	.	.	.	NP_00216	.	protein_co	ENSG0000	3467	5448
IFRD1	24.5684	22.944	13.9378	19.3505	23.5959	32.3739	interferon related developmental regulator 1 [Source:HGNC Sym	chr7:11206	NM_00100	XM_01151	.	.	NP_00100	XP_01151	protein_co	ENSG0000	3475	5456
IFRD2	60.8893	61.4811	51.456	67.0142	57.4076	40.5131	interferon related developmental regulator 2 [Source:HGNC Sym	chr3:50316	NM_00676	.	.	.	NP_00675	.	protein_co	ENSG0000	7866	5457
IFRG15	21.4787	28.2489	24.062	30.2946	26.6246	23.539	Homo sapiens torsin A interacting protein 2 (TOR1AIP2), transcrip	chr1:17980	NM_02234	.	.	.	NP_07174	.	protein_co	ENSG0000	163590	.
IFT122	4.7294	4.24468	4.33946	5.66558	5.27011	4.37666	intraflagellar transport 122 [Source:HGNC Symbol;Acc:HGNC:135	chr3:12914	NM_00128	XM_01700	.	.	NP_00126	XP_00524	protein_co	ENSG0000	55764	13556
IFT140	4.36052	4.90322	4.9849	4.1018	3.65135	4.13084	intraflagellar transport 140 [Source:HGNC Symbol;Acc:HGNC:290	chr16:1543	NM_01471	XM_01702	.	.	NP_05552	XP_00672	protein_co	ENSG0000	9742	29077
IFT172	2.53207	2.49201	2.43631	1.90893	2.12449	1.65315	intraflagellar transport 172 [Source:HGNC Symbol;Acc:HGNC:303	chr2:27665	NM_01566	XM_01700	.	.	NP_05647	XP_00526	protein_co	ENSG0000	26160	30391
IFT20	13.2455	14.7982	16.4714	12.1081	10.5246	13.5984	intraflagellar transport 20 [Source:HGNC Symbol;Acc:HGNC:3098	chr17:2664	NM_00126	.	.	.	NP_00125	.	protein_co	ENSG0000	90410	30989
IFT22	20.3247	18.1145	18.5302	22.8364	19.4671	17.4476	intraflagellar transport 22 [Source:HGNC Symbol;Acc:HGNC:2189	chr7:10095	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	64792	21895
IFT27	10.206	10.0869	9.83996	12.4869	9.9445	11.6685	intraflagellar transport 27 [Source:HGNC Symbol;Acc:HGNC:1862	chr22:3715	NM_00117	XM_00672	.	.	NP_00117	XP_00672	protein_co	ENSG0000	11020	18626
IFT43	21.2932	18.2023	20.18	22.8442	18.8515	19.6487	intraflagellar transport 43 [Source:HGNC Symbol;Acc:HGNC:2966	chr14:7645	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	112752	29669
IFT46	9.15971	7.8726	7.28319	10.6782	9.07501	8.76095	intraflagellar transport 46 [Source:HGNC Symbol;Acc:HGNC:2614	chr11:1183	NM_00116	XM_01154	.	.	NP_00116	XP_01154	protein_co	ENSG0000	56912	26146
IFT52	15.3768	15.7845	17.2376	17.5157	16.9274	18.529	intraflagellar transport 52 [Source:HGNC Symbol;Acc:HGNC:1590	chr20:4221	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	51098	15901
IFT57	10.6509	10.9244	12.3713	13.5023	10.7313	9.77501	intraflagellar transport 57 [Source:HGNC Symbol;Acc:HGNC:1736	chr3:10787	NM_01801	.	.	.	NP_06048	.	protein_co	ENSG0000	55081	17367
IFT74	5.96313	5.53191	6.17966	5.17464	7.78724	6.88354	intraflagellar transport 74 [Source:HGNC Symbol;Acc:HGNC:2142	chr9:26904	NM_00109	XM_01151	.	.	NP_00109	XP_01151	protein_co	ENSG0000	80173	21424
IFT80	7.58499	6.61369	9.95296	6.42285	10.6981	12.0678	intraflagellar transport 80 [Source:HGNC Symbol;Acc:HGNC:2926	chr3:15997	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	57560	29262
IFT81	4.6655	5.6396	6.01794	4.20808	6.1083	6.36925	intraflagellar transport 81 [Source:HGNC Symbol;Acc:HGNC:1431	chr12:1105	NM_00114	XM_01153	.	.	NP_00113	XP_01153	protein_co	ENSG0000	28981	14313
IFT88	3.24823	3.37222	3.98022	3.3784	4.17206	5.65014	intraflagellar transport 88 [Source:HGNC Symbol;Acc:HGNC:2060	chr13:2114	NM_00653	XM_01153	.	.	NP_00130	XP_00526	protein_co	ENSG0000	8100	20606
IGBP1	29.7301	30.9102	40.4362	33.5876	30.5018	39.3366	immunoglobulin (CD79A) binding protein 1 [Source:HGNC Symbo	chrX:69353	NM_00155	XM_01702	.	.	NP_00154	XP_01688	protein_co	ENSG0000	3476	5461
IGDCC3	0.232758	0.142989	0.354866	0.154794	0.185891	0.174428	immunoglobulin superfamily DCC subclass member 3 [Source:HG	chr15:6561	NM_00488	XM_01152	.	.	NP_00487	XP_01152	protein_co	ENSG0000	9543	9700
IGDCC4	0.435436	0.291027	0.452466	0.242945	0.228102	0.255573	immunoglobulin superfamily DCC subclass member 4 [Source:HG	chr15:6567	NM_02096	XM_01702	.	.	NP_06601	XP_01152	protein_co	ENSG0000	57722	13770
IGF1	0	0	0	0	0	0	insulin like growth factor 1 [Source:HGNC Symbol;Acc:HGNC:546	chr12:1027	NM_00061	XM_01701	.	.	NP_00060	XP_01687	protein_co	ENSG0000	3479	5464
IGF1R	2.92849	2.87169	3.58269	2.36789	2.59366	3.20155	insulin like growth factor 1 receptor [Source:HGNC Symbol;Acc:H	chr15:9919	NM_00087	XM_01702	.	.	NP_00086	XP_01151	protein_co	ENSG0000	3480	5465
IGF2	3.45255	3.47817	4.45302	3.54561	2.82515	3.24256	insulin like growth factor 2 [Source:HGNC Symbol;Acc:HGNC:546	chr11:2150	NM_00061	.	.	.	NP_00060	.	protein_co	ENSG0000	3481	5466
IGF2BP1	0.076219	0.317856	0.149057	0.175182	0.150622	0.157155	insulin like growth factor 2 mRNA binding protein 1 [Source:HGN	chr17:4707	NM_00116	XM_01702	.	.	NP_00115	XP_00525	protein_co	ENSG0000	10642	28866
IGF2BP2	34.2275	32.4561	36.9599	36.0943	36.7892	43.9437	insulin like growth factor 2 mRNA binding protein 2 [Source:HGN	chr3:18536	NM_00100	XM_01700	.	.	NP_00100	XP_01686	protein_co	ENSG0000	10644	28867
IGF2BP3	31.7965	32.6536	43.7456	40.9165	43.3999	62.1287	insulin like growth factor 2 mRNA binding protein 3 [Source:HGN	chr7:23338	NM_00654	XM_01151	.	.	NP_00653	XP_01151	protein_co	ENSG0000	10643	28868
IGF2R	10.7333	11.7599	11.0059	9.4965	10.2781	10.6561	insulin like growth factor 2 receptor [Source:HGNC Symbol;Acc:H	chr6:16039	NM_00087	.	.	.	NP_00086	.	protein_co	ENSG0000	3482	5467
IGFALS	0	0	0.141381	0.353789	0	0.064372	insulin like growth factor binding protein acid labile subunit [Sour	chr16:1840	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	3483	5468
IGFBP1	0	0	0	0	0	0	insulin like growth factor binding protein 1 [Source:HGNC Symbo	chr7:45927	NM_00059	.	.	.	NP_00058	.	protein_co	ENSG0000	3484	5469
IGFBP2	98.8941	97.534	104.078	152.664	115.574	128.059	insulin like growth factor binding protein 2 [Source:HGNC Symbo	chr2:21749	NM_00059	.	.	.	NP_00058	.	protein_co	ENSG0000	3485	5471
IGFBP3	0.110598	0.383006	0.731551	0	0.302952	0.131062	insulin like growth factor binding protein 3 [Source:HGNC Symbo	chr7:45951	NM_00059	.	.	.	NP_00058	XP_01686	protein_co	ENSG0000	3486	5472

IGFBP4	0	0	0	0	0	0.043807	insulin like growth factor binding protein 4 [Source:HGNC Symbol	chr17:3859	NM_00155	.	.	.	NP_00154	.	protein_co	ENSG0000	3487	5473
IGFBP5	0.08701	0.075713	0.064805	0.095309	0.070821	0.144387	insulin like growth factor binding protein 5 [Source:HGNC Symbol	chr2:21753	NM_00059	.	.	.	NP_00059	.	protein_co	ENSG0000	3488	5474
IGFBP6	19.7293	24.2357	31.5751	15.4975	12.5351	8.55302	insulin like growth factor binding protein 6 [Source:HGNC Symbol	chr12:5349	NM_00217	.	.	.	NP_00216	XP_016874	protein_co	ENSG0000	3489	5475
IGFBP7	0	0	0	0	0	0	insulin like growth factor binding protein 7 [Source:HGNC Symbol	chr4:57829	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	3490	5476
IGFBPL1	0	0	0	0	0	0	insulin like growth factor binding protein like 1 [Source:HGNC Syn	chr9:38408	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	347252	20081
IGFL1	0	0	0	0	0	0	IGF like family member 1 [Source:HGNC Symbol;Acc:HGNC:24093	chr19:4673	NM_19854	.	.	.	NP_94094	.	protein_co	ENSG0000	374918	24093
IGFL2	0	0.17434	0	0.371056	0	0	IGF like family member 2 [Source:HGNC Symbol;Acc:HGNC:32929	chr19:4665	NM_00100	XM_01152	.	.	NP_00100	XP_011524	protein_co	ENSG0000	147920	32929
IGFL3	0	0	0	0	0	0	IGF like family member 3 [Source:HGNC Symbol;Acc:HGNC:32930	chr19:4662	NM_20739	.	.	.	NP_99727	.	protein_co	ENSG0000	388555	32930
IGFL4	0	0	0	0	0	0	IGF like family member 4 [Source:HGNC Symbol;Acc:HGNC:32931	chr19:4654	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	444882	32931
IGFLR1	3.70048	3.3994	3.15213	5.09462	3.14373	2.73665	IGF like family receptor 1 [Source:HGNC Symbol;Acc:HGNC:23620	chr19:3620	NM_02466	.	.	.	NP_07893	.	protein_co	ENSG0000	79713	23620
IGFN1	0.014336	0.004692	0.025006	0.005072	0.005362	0.004963	immunoglobulin-like and fibronectin type III domain containing 1	chr1:20115	NM_00116	XM_01151	.	.	NP_00115	XP_005245	protein_co	ENSG0000	91156	24607
IGHMBP2	5.43258	6.46365	5.81853	6.88704	5.35011	4.95498	immunoglobulin mu binding protein 2 [Source:HGNC Symbol;Acc	chr11:6867	NM_00218	XM_00527	.	.	NP_00217	XP_005274	protein_co	ENSG0000	3508	5542
IGIP	3.62869	2.60823	2.54009	2.4529	2.20297	3.35536	IgA inducing protein [Source:HGNC Symbol;Acc:HGNC:33847]	chr5:13950	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	492311	33847
IGLL1	0	0	0	0	0	0	immunoglobulin lambda like polypeptide 1 [Source:HGNC Symbo	chr22:2391	NM_02007	XM_01153	.	.	NP_06445	XP_011528	protein_co	ENSG0000	3543	5870
IGLL5	0	0	0	0	0	0	immunoglobulin lambda like polypeptide 5 [Source:HGNC Symbo	chr22:2322	NM_00117	.	.	.	NP_00117	.	protein_co	ENSG0000	100423062	38476
IGLON5	0	0	0	0	0	0	IgLON family member 5 [Source:HGNC Symbol;Acc:HGNC:34550]	chr19:5181	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	402665	34550
IGSF1	0.424007	0.560704	0.399761	0.080276	0.192957	0.201063	immunoglobulin superfamily member 1 [Source:HGNC Symbol;Ac	chrX:13040	NM_00117	XM_01153	.	.	NP_00116	XP_011529	protein_co	ENSG0000	3547	5948
IGSF10	0	0	0.00548	0	0.013969	0	immunoglobulin superfamily member 10 [Source:HGNC Symbol;A	chr3:15080	NM_17882	XM_01151	.	.	NP_84914	XP_011511	protein_co	ENSG0000	285313	26384
IGSF11	0.360868	0.16688	0.274963	0.261352	0.105789	0.369931	immunoglobulin superfamily member 11 [Source:HGNC Symbol;A	chr3:11861	NM_00101	XM_01700	.	.	NP_00101	XP_006713	protein_co	ENSG0000	152404	16669
IGSF21	0	0	0	0	0	0	immunoglobin superfamily member 21 [Source:HGNC Symbol;Ac	chr1:18434	NM_03288	.	.	.	NP_11626	XP_016858	protein_co	ENSG0000	84966	28246
IGSF22	0.012847	0	0.022379	0.013908	0.029713	0.013876	immunoglobulin superfamily member 22 [Source:HGNC Symbol;A	chr11:1872	NM_17358	XM_01152	.	.	NP_77585	XP_011518	protein_co	ENSG0000	283284	26750
IGSF23	0	0	0	0	0	0	immunoglobulin superfamily member 23 [Source:HGNC Symbol;A	chr19:4511	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	147710	40040
IGSF3	9.33123	10.3374	10.7774	8.67707	8.90058	12.3118	immunoglobulin superfamily member 3 [Source:HGNC Symbol;Ac	chr1:11711	NM_00100	XM_01154	.	.	NP_00100	XP_005270	protein_co	ENSG0000	3321	5950
IGSF5	0.072483	0.037857	0.031391	0.324932	0.2437	0.293604	immunoglobulin superfamily member 5 [Source:HGNC Symbol;Ac	chr21:4111	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	150084	5952
IGSF6	0	0	0	0	0	0	immunoglobulin superfamily member 6 [Source:HGNC Symbol;Ac	chr16:2161	NM_00584	.	.	.	NP_00584	.	protein_co	ENSG0000	10261	5953
IGSF8	18.7867	17.6565	19.0779	18.5896	17.0137	17.6926	immunoglobulin superfamily member 8 [Source:HGNC Symbol;Ac	chr1:16006	NM_00120	XM_01700	.	.	NP_00119	XP_005245	protein_co	ENSG0000	93185	17813
IGSF9	4.81517	5.46362	4.42413	6.54866	7.30452	5.34348	immunoglobulin superfamily member 9 [Source:HGNC Symbol;Ac	chr1:15989	NM_00113	XM_01150	.	.	NP_00112	XP_011508	protein_co	ENSG0000	57549	18132
IGSF9B	1.41404	1.47288	1.76918	1.00829	1.43361	1.28084	immunoglobulin superfamily member 9B [Source:HGNC Symbol;A	chr11:1337	NM_00127	XM_01154	.	.	NP_00126	XP_011540	protein_co	ENSG0000	22997	32326
IHH	0.091303	0.04457	0.038838	0.04856	0	0.152608	indian hedgehog [Source:HGNC Symbol;Acc:HGNC:5956]	chr2:21991	NM_00218	.	.	.	NP_00217	.	protein_co	ENSG0000	3549	5956
IK	53.973	53.6961	48.1989	64.7436	51.2821	47.9563	IK cytokine, down-regulator of HLA II [Source:HGNC Symbol;Acc:H	chr5:14001	NM_00608	.	NR_03742	.	NP_00607	.	protein_co	ENSG0000	100500820	5958
IKBIP	10.2653	10.7512	14.948	11.2934	14.2939	12.5817	IKBKB interacting protein [Source:HGNC Symbol;Acc:HGNC:26430	chr12:9900	NM_15368	.	.	.	NP_71015	.	protein_co	ENSG0000	121457	26430
IKBKAP	15.5024	16.6294	15.5099	15.652	15.7971	13.522	inhibitor of kappa light polypeptide gene enhancer in B-cells, kina	chr9:11162	NM_00131	XM_01151	.	.	NP_00130	XP_011517	protein_co	ENSG0000	8518	5959
IKBKB	8.54053	7.95504	9.36752	7.77349	6.37612	4.56086	inhibitor of kappa light polypeptide gene enhancer in B-cells, kina	chr8:42128	NM_00119	XM_01154	.	.	NP_00117	XP_005273	protein_co	ENSG0000	3551	5960
IKBKE	3.95939	3.59448	3.7052	1.67347	1.39992	1.18346	inhibitor of kappa light polypeptide gene enhancer in B-cells, kina	chr1:20664	NM_00119	XM_00527	.	.	NP_00118	XP_005273	protein_co	ENSG0000	9641	14552
IKBKG	7.29612	7.42202	5.38539	6.59063	5.57757	4.59008	inhibitor of kappa light polypeptide gene enhancer in B-cells, kina	chrX:15375	NM_00109	XM_01153	.	.	NP_00109	XP_005274	protein_co	ENSG0000	8517	5961
IKZF1	0	0	0	0	0	0	IKAROS family zinc finger 1 [Source:HGNC Symbol;Acc:HGNC:131	chr7:50344	NM_00122	XM_01701	.	.	NP_00120	XP_011513	protein_co	ENSG0000	10320	13176
IKZF2	0.200068	0.170613	0.397521	0.121875	0.167278	0.285106	IKAROS family zinc finger 2 [Source:HGNC Symbol;Acc:HGNC:131	chr2:21386	NM_00107	XM_01700	.	.	NP_00107	XP_005246	protein_co	ENSG0000	22807	13177
IKZF3	0.045794	0.088365	0.153909	0.060276	0.139185	0.113053	IKAROS family zinc finger 3 [Source:HGNC Symbol;Acc:HGNC:131	chr17:3791	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	22806	13178
IKZF4	2.30473	2.53158	2.31484	2.37639	1.91686	2.2086	IKAROS family zinc finger 4 [Source:HGNC Symbol;Acc:HGNC:131	chr12:5640	NM_02246	XM_01701	.	.	NP_07191	XP_005269	protein_co	ENSG0000	64375	13179
IKZF5	7.08635	7.89099	7.19879	5.69273	6.33032	5.83324	IKAROS family zinc finger 5 [Source:HGNC Symbol;Acc:HGNC:142	chr10:1247	NM_00127	XM_01701	.	.	NP_00125	XP_006718	protein_co	ENSG0000	64376	14283
IL10	0	0	0	0	0	0	interleukin 10 [Source:HGNC Symbol;Acc:HGNC:5962]	chr1:20694	NM_00057	XM_01150	.	.	NP_00056	XP_011507	protein_co	ENSG0000	3586	5962
IL10RA	0.877794	0.553783	0.675317	0.530608	0.645401	0.83335	interleukin 10 receptor subunit alpha [Source:HGNC Symbol;Acc:	chr11:1178	NM_00155	.	.	.	NP_00154	.	protein_co	ENSG0000	3587	5964
IL10RB	9.67729	8.93128	11.3353	9.64681	8.76753	9.87397	interleukin 10 receptor subunit beta [Source:HGNC Symbol;Acc:H	chr21:3460	NM_00062	.	.	.	NP_00061	.	protein_co	ENSG0000	3588	5965
IL11	0.94449	0.850783	1.83913	0.878873	1.05313	2.06558	interleukin 11 [Source:HGNC Symbol;Acc:HGNC:5966]	chr19:5587	NM_00064	.	.	.	NP_00063	.	protein_co	ENSG0000	3589	5966
IL11RA	3.73849	3.84048	4.80644	5.92652	4.47886	5.12959	interleukin 11 receptor subunit alpha [Source:HGNC Symbol;Acc:	chr9:34646	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	3590	5967
IL12A	2.39125	2.37546	2.80265	2.43179	2.20137	1.81219	interleukin 12A [Source:HGNC Symbol;Acc:HGNC:5969]	chr3:15970	NM_00088	.	.	.	NP_00087	.	protein_co	ENSG0000	3592	5969
IL12B	0.07492	0	0.043661	0.027994	0.056066	0.025267	interleukin 12B [Source:HGNC Symbol;Acc:HGNC:5970]	chr5:15874	NM_00218	.	.	.	NP_00217	.	protein_co	ENSG0000	3593	5970
IL12RB1	0.026629	0	0	0	0	0.045242	interleukin 12 receptor subunit beta 1 [Source:HGNC Symbol;Acc	chr19:1816	NM_00129	XM_01152	.	.	NP_00127	XP_006722	protein_co	ENSG0000	3594	5971
IL12RB2	0	0.018946	0	0	0	0.026285	interleukin 12 receptor subunit beta 2 [Source:HGNC Symbol;Acc	chr1:67773	NM_00125	XM_01154	.	.	NP_00124	XP_005270	protein_co	ENSG0000	3595	5972
IL13	0	0.064686	0	0	0.071939	0	interleukin 13 [Source:HGNC Symbol;Acc:HGNC:5973]	chr5:13199	NM_00218	.	.	.	NP_00217	.	protein_co	ENSG0000	3596	5973
IL13RA1	11.3949	11.6443	16.2269	11.3463	13.602	18.1555	interleukin 13 receptor subunit alpha 1 [Source:HGNC Symbol;Ac	chrX:11786	NM_00156	XM_01153	.	.	NP_00155	XP_011529	protein_co	ENSG0000	3597	5974
IL13RA2	0	0	0.050491	0	0	0	interleukin 13 receptor subunit alpha 2 [Source:HGNC Symbol;Ac	chrX:11423	NM_00064	.	.	.	NP_00063	.	protein_co	ENSG0000	3598	5975
IL15	2.0557	2.1682	0.882008	0.671825	1.53465	1.49978	interleukin 15 [Source:HGNC Symbol;Acc:HGNC:5977]	chr4:14255	NM_00058	.	.	.	NP_00057	.	protein_co	ENSG0000	3600	5977
IL15RA	5.93083	7.17664	5.38753	5.39011	3.97119	3.38758	interleukin 15 receptor subunit alpha [Source:HGNC Symbol;Acc:	chr10:5985	NM_00124	XM_01151	.	.	NP_00123	XP_011517	protein_co	ENSG0000	3601	5978
IL16	0.033229	0.026849	0.047056	0	0.030809	0	interleukin 16 [Source:HGNC Symbol;Acc:HGNC:5980]	chr15:8148	NM_00117	XM_01152	.	.	NP_00116	XP_005254	protein_co	ENSG0000	3603	5980
IL17A	0	0	0	0	0	0	interleukin 17A [Source:HGNC Symbol;Acc:HGNC:5981]	chr6:52051	NM_00219	.	.	.	NP_00218	.	protein_co	ENSG0000	3605	5981
IL17B	0.61246	0.36209	0.315775	0.522556	0.286464	0.950534	interleukin 17B [Source:HGNC Symbol;Acc:HGNC:5982]	chr5:14875	NM_01444	.	.	.	NP_05525	.	protein_co	ENSG0000	27190	5982
IL17C	0	0	0.087983	0	0	0	interleukin 17C [Source:HGNC Symbol;Acc:HGNC:5983]	chr16:8870	NM_01327	.	.	.	NP_03741	.	protein_co	ENSG0000	27189	5983
IL17D	0.24178	0.181375	0.257851	0.264562	0.069204	0.19218	interleukin 17D [Source:HGNC Symbol;Acc:HGNC:5984]	chr13:2127	NM_13828	.	.	.	NP_61214	XP_005266	protein_co	ENSG0000	53342	5984

IL17F	0	0	0	0	0	0	interleukin 17F [Source:HGNC Symbol;Acc:HGNC:16404]	chr6:52101	NM_05287	XM_01151	.	.	NP_44310	XP_011512	protein_co	ENSG0000	112744	16404
IL17RA	5.3533	5.06837	4.87112	4.60812	4.63834	4.51218	interleukin 17 receptor A [Source:HGNC Symbol;Acc:HGNC:5985]	chr22:1756	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	23765	5985
IL17RB	7.11627	6.47966	6.73561	8.08234	8.54376	5.23024	interleukin 17 receptor B [Source:HGNC Symbol;Acc:HGNC:18015	chr3:53880	NM_01872	XM_01153	.	.	NP_06119	XP_005265	protein_co	ENSG0000	55540	18015
IL17RC	6.84049	7.22607	6.65372	4.74421	4.66853	4.35224	interleukin 17 receptor C [Source:HGNC Symbol;Acc:HGNC:18358	chr3:99587	NM_00120	XM_01700	NR_03780	.	NP_00119	XP_016862	protein_co	ENSG0000	84818	18358
IL17RD	3.25385	3.43289	5.4655	4.04957	4.09653	6.36014	interleukin 17 receptor D [Source:HGNC Symbol;Acc:HGNC:17616	chr3:57124	NM_00131	XM_01153	.	.	NP_00130	XP_005265	protein_co	ENSG0000	54756	17616
IL17RE	4.19484	3.87818	5.70125	4.41399	4.24648	4.41897	interleukin 17 receptor E [Source:HGNC Symbol;Acc:HGNC:18439	chr3:99443	NM_00119	XM_01153	.	.	NP_00118	XP_006713	protein_co	ENSG0000	132014	18439
IL17REL	0	0	0.042074	0	0	0	interleukin 17 receptor E like [Source:HGNC Symbol;Acc:HGNC:33	chr22:5043	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	400935	33808
IL18	20.89	19.6648	27.2792	16.4542	17.6428	25.5755	interleukin 18 [Source:HGNC Symbol;Acc:HGNC:5986]	chr11:1120	NM_00124	XM_01154	.	.	NP_00123	XP_011541	protein_co	ENSG0000	3606	5986
IL18BP	2.62471	1.90362	3.13982	2.54723	3.09661	3.77421	interleukin 18 binding protein [Source:HGNC Symbol;Acc:HGNC:5	chr11:7170	NM_00103	XM_01701	.	.	NP_00103	XP_006718	protein_co	ENSG0000	10068	5987
IL18R1	1.16649	1.11298	0.899912	1.51046	0.97697	0.859789	interleukin 18 receptor 1 [Source:HGNC Symbol;Acc:HGNC:5988]	chr2:10297	NM_00128	XM_01151	.	.	NP_00126	XP_005264	protein_co	ENSG0000	8809	5988
IL18RAP	0.04908	0	0	0.027807	0	0	interleukin 18 receptor accessory protein [Source:HGNC Symbol;	chr2:10303	NM_00385	XM_01151	.	.	NP_00384	XP_011510	protein_co	ENSG0000	8807	5989
IL19	0	0	0	0	0	0	interleukin 19 [Source:HGNC Symbol;Acc:HGNC:5990]	chr1:20697	NM_01337	.	.	.	NP_03750	.	protein_co	ENSG0000	29949	5990
IL1A	0.430053	0.423961	0.282043	0.285402	0.039508	0.315689	interleukin 1 alpha [Source:HGNC Symbol;Acc:HGNC:5991]	chr2:11353	NM_00057	.	.	.	NP_00056	.	protein_co	ENSG0000	3552	5991
IL1B	0	0	0	0	0	0.048108	interleukin 1 beta [Source:HGNC Symbol;Acc:HGNC:5992]	chr2:11358	NM_00057	.	.	.	NP_00056	.	protein_co	ENSG0000	3553	5992
IL1F10	0	0	0	0	0	0	interleukin 1 family member 10 (theta) [Source:HGNC Symbol;Ac	chr2:11382	NM_03255	.	.	.	NP_11594	.	protein_co	ENSG0000	84639	15552
IL1R1	3.66519	3.0321	3.31921	4.20318	3.81643	4.95117	interleukin 1 receptor type 1 [Source:HGNC Symbol;Acc:HGNC:59	chr2:10268	NM_00087	XM_01700	.	.	NP_00086	XP_005263	protein_co	ENSG0000	3554	5993
IL1R2	0.048817	0	0.439433	0.160558	0.064169	0.303194	interleukin 1 receptor type 2 [Source:HGNC Symbol;Acc:HGNC:59	chr2:10260	NM_00126	XM_01151	.	.	NP_00124	XP_006712	protein_co	ENSG0000	7850	5994
IL1RAP	0.853108	0.831471	1.3591	0.967962	1.2534	2.20304	interleukin 1 receptor accessory protein [Source:HGNC Symbol;A	chr3:19023	NM_00116	XM_01151	.	.	NP_00116	XP_005247	protein_co	ENSG0000	3556	5995
IL1RAPL1	0.15581	0.124156	0.441158	0.066473	0.108461	0.076916	interleukin 1 receptor accessory protein like 1 [Source:HGNC Sym	chrX:28605	NM_01427	XM_01154	.	.	NP_05508	XP_005274	protein_co	ENSG0000	11141	5996
IL1RAPL2	0	0	0	0	0	0	interleukin 1 receptor accessory protein like 2 [Source:HGNC Sym	chrX:10381	NM_01741	XM_01153	.	.	NP_05911	XP_016884	protein_co	ENSG0000	26280	5997
IL1RL1	0	0	0	0	0	0.035051	interleukin 1 receptor like 1 [Source:HGNC Symbol;Acc:HGNC:599	chr2:10292	NM_00128	XM_01151	.	.	NP_00126	XP_006712	protein_co	ENSG0000	9173	5998
IL1RL2	0	0	0	0	0	0	interleukin 1 receptor like 2 [Source:HGNC Symbol;Acc:HGNC:599	chr2:10280	NM_00385	XM_01151	.	.	NP_00384	XP_005264	protein_co	ENSG0000	8808	5999
IL1RN	0.186508	0.14814	0.319551	0.421681	0.410648	0.495142	interleukin 1 receptor antagonist [Source:HGNC Symbol;Acc:HGN	chr2:11386	NM_00057	XM_01151	.	.	NP_00056	XP_005263	protein_co	ENSG0000	3557	6000
IL2	0	0	0	0	0	0	interleukin 2 [Source:HGNC Symbol;Acc:HGNC:6001]	chr4:12337	NM_00058	.	.	.	NP_00057	.	protein_co	ENSG0000	3558	6001
IL20	0	0	0	0	0	0	interleukin 20 [Source:HGNC Symbol;Acc:HGNC:6002]	chr1:20703	NM_01872	XM_00527	.	.	NP_06119	XP_005273	protein_co	ENSG0000	50604	6002
IL20RA	0.436178	0.925372	0.736853	1.12621	1.26135	0.867115	interleukin 20 receptor subunit alpha [Source:HGNC Symbol;Acc:	chr6:13732	NM_00127	XM_01701	.	.	NP_00126	XP_006715	protein_co	ENSG0000	53832	6003
IL20RB	1.3283	1.7201	0.56429	1.15621	0.665379	4.4844	interleukin 20 receptor subunit beta [Source:HGNC Symbol;Acc:H	chr3:13667	NM_14471	XM_01151	.	.	NP_65331	XP_011511	protein_co	ENSG0000	53833	6004
IL21	0	0	0	0	0	0	interleukin 21 [Source:HGNC Symbol;Acc:HGNC:6005]	chr4:12353	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	59067	6005
IL21R	0.152312	0.277008	0.361788	0.596523	0.454769	2.77519	interleukin 21 receptor [Source:HGNC Symbol;Acc:HGNC:6006]	chr16:2741	NM_02179	XM_01154	.	.	NP_06857	XP_011544	protein_co	ENSG0000	50615	6006
IL22	0	0	0	0	0	0	interleukin 22 [Source:HGNC Symbol;Acc:HGNC:14900]	chr12:6864	NM_02052	.	.	.	NP_06538	.	protein_co	ENSG0000	50616	14900
IL22RA1	2.12055	1.97154	1.17234	2.14651	2.20489	0.946808	interleukin 22 receptor subunit alpha 1 [Source:HGNC Symbol;Ac	chr1:24446	NM_02125	XM_01154	.	.	NP_06708	XP_011540	protein_co	ENSG0000	58985	13700
IL22RA2	0	0	0	0	0	0	interleukin 22 receptor subunit alpha 2 [Source:HGNC Symbol;Ac	chr6:13746	NM_05296	.	.	.	NP_44319	.	protein_co	ENSG0000	116379	14901
IL23A	2.31641	2.04053	0.537429	0.585462	0.884783	0.905869	interleukin 23 subunit alpha [Source:HGNC Symbol;Acc:HGNC:15	chr12:5673	NM_01658	XM_01153	.	.	NP_05766	XP_011536	protein_co	ENSG0000	51561	15488
IL23R	0	0	0	0	0	0	interleukin 23 receptor [Source:HGNC Symbol;Acc:HGNC:19100]	chr1:67557	NM_14470	XM_01154	.	.	NP_65330	XP_011539	protein_co	ENSG0000	149233	19100
IL24	0	0	0	0.1205	0	0	interleukin 24 [Source:HGNC Symbol;Acc:HGNC:11346]	chr1:20707	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	11009	11346
IL25	0	0	0	0	0	0	interleukin 25 [Source:HGNC Symbol;Acc:HGNC:13765]	chr14:2384	NM_02278	.	.	.	NP_07362	.	protein_co	ENSG0000	64806	13765
IL26	0	0	0	0	0	0	interleukin 26 [Source:HGNC Symbol;Acc:HGNC:17119]	chr12:6859	NM_01840	XM_01153	.	.	NP_06087	XP_011536	protein_co	ENSG0000	55801	17119
IL27	0	0	0	0	0	0	interleukin 27 [Source:HGNC Symbol;Acc:HGNC:19157]	chr16:2851	NM_14565	.	.	.	NP_66363	XP_011544	protein_co	ENSG0000	246778	19157
IL27RA	12.7461	12.9988	15.6462	12.6809	12.0924	12.3345	interleukin 27 receptor subunit alpha [Source:HGNC Symbol;Acc:	chr19:1414	NM_00484	.	.	.	NP_00483	.	protein_co	ENSG0000	9466	17290
IL2RA	0	0	0	0	0	0	interleukin 2 receptor subunit alpha [Source:HGNC Symbol;Acc:H	chr10:6052	NM_00041	XM_00525	.	.	NP_00040	XP_005252	protein_co	ENSG0000	3559	6008
IL2RB	0.019879	0	0.017091	0.064209	0.022817	0.043325	interleukin 2 receptor subunit beta [Source:HGNC Symbol;Acc:HG	chr22:3752	NM_00087	.	.	.	NP_00086	.	protein_co	ENSG0000	3560	6009
IL2RG	0.148785	0	0	0	0	0	interleukin 2 receptor subunit gamma [Source:HGNC Symbol;Acc	chrX:70327	NM_00020	.	.	.	NP_00019	.	protein_co	ENSG0000	3561	6010
IL3	0	0	0	0	0	0	interleukin 3 [Source:HGNC Symbol;Acc:HGNC:6011]	chr5:13139	NM_00058	.	.	.	NP_00057	.	protein_co	ENSG0000	3562	6011
IL31	0	0	0	0	0	0	interleukin 31 [Source:HGNC Symbol;Acc:HGNC:19372]	chr12:1226	NM_00101	XM_01153	.	.	NP_00101	XP_011536	protein_co	ENSG0000	386653	19372
IL31RA	0.421225	0.552123	0.134861	0.278274	0.205013	0.287115	interleukin 31 receptor A [Source:HGNC Symbol;Acc:HGNC:18969	chr5:55147	NM_00124	XM_01154	.	.	NP_00122	XP_011541	protein_co	ENSG0000	133396	18969
IL32	10.584	10.9998	9.01309	0.595326	0.518024	0.258448	interleukin 32 [Source:HGNC Symbol;Acc:HGNC:16830]	chr16:3115	NM_00101	XM_00525	.	.	NP_00101	XP_005255	protein_co	ENSG0000	9235	16830
IL33	0	0	0	0	0	0	interleukin 33 [Source:HGNC Symbol;Acc:HGNC:16028]	chr9:62157	NM_00119	XM_01151	.	.	NP_00118	XP_005251	protein_co	ENSG0000	90865	16028
IL34	0	0	0.046329	0	0.125589	0.090488	interleukin 34 [Source:HGNC Symbol;Acc:HGNC:28529]	chr16:7061	NM_00117	XM_01152	.	.	NP_00116	XP_011521	protein_co	ENSG0000	146433	28529
IL36A	0	0	0	0	0	0	interleukin 36, alpha [Source:HGNC Symbol;Acc:HGNC:15562]	chr2:11376	NM_01444	XM_01151	.	.	NP_05525	XP_005263	protein_co	ENSG0000	27179	15562
IL36B	0	0	0	0	0	0	interleukin 36, beta [Source:HGNC Symbol;Acc:HGNC:15564]	chr2:11377	NM_01443	XM_01151	.	.	NP_05525	XP_011509	protein_co	ENSG0000	27177	15564
IL36G	0	0	0.071714	0.09149	0	0.083158	interleukin 36, gamma [Source:HGNC Symbol;Acc:HGNC:15741]	chr2:11373	NM_00127	XM_01151	.	.	NP_00126	XP_011509	protein_co	ENSG0000	56300	15741
IL36RN	0	0	0	0.030812	0	0	interleukin 36 receptor antagonist [Source:HGNC Symbol;Acc:HG	chr2:11381	NM_01227	.	.	.	NP_03640	.	protein_co	ENSG0000	26525	15561
IL37	0	0	0.141439	0.176845	0.119412	0.279841	interleukin 37 [Source:HGNC Symbol;Acc:HGNC:15563]	chr2:11367	NM_01443	XM_01151	.	.	NP_05525	XP_011509	protein_co	ENSG0000	27178	15563
IL3RA	0	0	0	0	0	0	interleukin 3 receptor subunit alpha [Source:HGNC Symbol;Acc:H	chrX:14555	NM_00126	XM_01703	.	.	NP_00125	XP_005274	protein_co	ENSG0000	3563	6012
IL4	0	0	0	0	0	0	interleukin 4 [Source:HGNC Symbol;Acc:HGNC:6014]	chr5:13200	NM_00058	.	.	.	NP_00058	.	protein_co	ENSG0000	3565	6014
IL4I1	0.145603	0.093618	0.103853	0.102955	0.172009	0.054784	interleukin 4 induced 1 [Source:HGNC Symbol;Acc:HGNC:19094]	chr19:5039	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	259307	19094
IL4R	11.0004	10.2341	10.3557	11.7539	10.9157	11.6902	interleukin 4 receptor [Source:HGNC Symbol;Acc:HGNC:6015]	chr16:2732	NM_00041	XM_01154	.	.	NP_00040	XP_011544	protein_co	ENSG0000	3566	6015
IL5	0	0	0.167333	0	0	0.092968	interleukin 5 [Source:HGNC Symbol;Acc:HGNC:6016]	chr5:13187	NM_00087	XM_01154	.	.	NP_00087	XP_011541	protein_co	ENSG0000	3567	6016
IL5RA	0	0	0	0	0	0	interleukin 5 receptor subunit alpha [Source:HGNC Symbol;Acc:H	chr3:31080	NM_00056	XM_01153	.	.	NP_00055	XP_011531	protein_co	ENSG0000	3568	6017

IL6	0	0.119531	0	0	0	0.118173	interleukin 6 [Source:HGNC Symbol;Acc:HGNC:6018]	chr7:22765	NM_00060	XM_01151	.	.	NP_00059	XP_005249	protein_co	ENSG0000	3569	6018
IL6R	3.6723	3.87081	3.40034	1.59487	1.95365	2.28222	interleukin 6 receptor [Source:HGNC Symbol;Acc:HGNC:6019]	chr1:15437	NM_00056	XM_00671	.	.	NP_00055	XP_005245	protein_co	ENSG0000	3570	6019
IL6ST	8.00716	8.45119	7.88972	5.62763	7.18566	7.32386	interleukin 6 signal transducer [Source:HGNC Symbol;Acc:HGNC:6	chr5:55230	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	3572	6021
IL7	0.450215	0.374639	0.269268	0	0.055401	0	interleukin 7 [Source:HGNC Symbol;Acc:HGNC:6023]	chr8:79645	NM_00088	XM_01151	.	.	NP_00087	XP_011515	protein_co	ENSG0000	3574	6023
IL7R	0.076209	0.296872	0.013299	0.167917	0.016879	0	interleukin 7 receptor [Source:HGNC Symbol;Acc:HGNC:6024]	chr5:35856	NM_00218	XM_01151	.	.	NP_00217	XP_005248	protein_co	ENSG0000	3575	6024
IL9	0	0	0	0	0	0	interleukin 9 [Source:HGNC Symbol;Acc:HGNC:6029]	chr5:13522	NM_00059	.	.	.	NP_00058	.	protein_co	ENSG0000	3578	6029
IL9R	0	0	0	0	0.04491	0	interleukin 9 receptor [Source:HGNC Symbol;Acc:HGNC:6030], m	chrX:15522	NM_00218	XM_01153	.	.	NP_00217	XP_011529	protein_co	ENSG0000	3581	6030
ILDR1	1.47568	1.37969	1.76859	1.04885	0.945024	1.42838	immunoglobulin like domain containing receptor 1 [Source:HGNC	chr3:12170	NM_00119	XM_01151	.	.	NP_00118	XP_005247	protein_co	ENSG0000	286676	28741
ILDR2	0.661993	0.61845	1.0223	0.932868	1.74951	1.13777	immunoglobulin like domain containing receptor 2 [Source:HGNC	chr1:16687	NM_19935	.	.	.	NP_95538	XP_016856	protein_co	ENSG0000	387597	18131
ILF2	292.439	279.819	237.414	379.817	320.13	280.279	interleukin enhancer binding factor 2 [Source:HGNC Symbol;Acc:	chr1:15363	NM_00126	.	.	.	NP_00125	.	protein_co	ENSG0000	3608	6037
ILF3	125.002	132.394	107.233	140.101	137.781	124.977	interleukin enhancer binding factor 3 [Source:HGNC Symbol;Acc:	chr19:1076	NM_00113	XM_01702	.	.	NP_00113	XP_006722	protein_co	ENSG0000	3609	6038
ILK	41.0038	43.144	37.7315	44.0396	33.5346	31.2387	integrin linked kinase [Source:HGNC Symbol;Acc:HGNC:6040]	chr11:6624	NM_00101	XM_01152	.	.	NP_00101	XP_005252	protein_co	ENSG0000	3611	6040
ILKAP	27.0803	21.5859	19.7474	34.2423	28.9644	23.3006	ILK associated serine/threonine phosphatase [Source:HGNC Symb	chr2:23907	NM_03076	XM_00671	.	.	NP_11039	XP_005246	protein_co	ENSG0000	80895	15566
ILVBL	31.8246	30.5965	24.54	36.4588	34.1481	30.0171	ilvB acetolactate synthase like [Source:HGNC Symbol;Acc:HGNC:6	chr19:1521	NM_00684	XM_01152	.	.	NP_00683	XP_005259	protein_co	ENSG0000	10994	6041
IMMP1L	37.8665	27.7343	34.5451	42.1137	41.2066	36.0827	inner mitochondrial membrane peptidase subunit 1 [Source:HGN	chr11:3145	NM_00130	XM_01151	.	.	NP_00129	XP_005252	protein_co	ENSG0000	196294	26317
IMMP2L	11.2132	8.88987	11.4658	13.0416	5.50778	10.4736	inner mitochondrial membrane peptidase subunit 2 [Source:HGN	chr7:11030	NM_00124	XM_01151	.	.	NP_00123	XP_005250	protein_co	ENSG0000	83943	14598
IMMT	58.7489	56.0021	55.4468	62.7608	55.3208	59.2832	inner membrane mitochondrial protein [Source:HGNC Symbol;Ac	chr2:86371	NM_00110	XM_00526	.	.	NP_00109	XP_005264	protein_co	ENSG0000	10989	6047
IMP3	109.469	102.675	95.0692	133.859	109.544	78.0407	IMP3, U3 small nucleolar ribonucleoprotein [Source:HGNC Symbo	chr15:7593	NM_01828	.	.	.	NP_06075	.	protein_co	ENSG0000	55272	14497
IMP4	67.8236	66.018	63.6479	77.4353	68.2888	44.4198	IMP4 homolog, U3 small nucleolar ribonucleoprotein [Source:HG	chr2:13109	NM_03341	XM_00526	.	.	NP_00130	.	protein_co	ENSG0000	92856	30856
IMPA1	23.6758	23.0468	30.8138	28.1337	35.4204	33.8301	inositol monophosphatase 1 [Source:HGNC Symbol;Acc:HGNC:60	chr8:82570	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	3612	6050
IMPA2	13.8483	15.0776	14.6768	17.906	13.5072	21.0633	inositol monophosphatase 2 [Source:HGNC Symbol;Acc:HGNC:60	chr18:1198	NM_01421	XM_01152	.	.	NP_05502	XP_011523	protein_co	ENSG0000	3613	6051
IMPACT	13.7356	14.0508	14.6881	12.1146	14.1888	17.5517	impact RWD domain protein [Source:HGNC Symbol;Acc:HGNC:20	chr18:2200	NM_01843	XM_01702	.	.	NP_06090	XP_016881	protein_co	ENSG0000	55364	20387
IMPAD1	19.8801	20.2272	17.8659	15.4762	18.1909	17.5719	inositol monophosphatase domain containing 1 [Source:HGNC Sy	chr8:57870	NM_01781	.	.	.	NP_06028	.	protein_co	ENSG0000	54928	26019
IMPDH1	43.5138	41.1677	38.4004	39.756	34.5589	23.5982	inosine monophosphate dehydrogenase 1 [Source:HGNC Symbol	chr7:12803	NM_00088	XM_00671	.	.	NP_00087	XP_016867	protein_co	ENSG0000	3614	6052
IMPDH2	275.501	279.299	308.249	295.615	251.373	242.603	inosine monophosphate dehydrogenase 2 [Source:HGNC Symbol	chr3:49061	NM_00088	XM_00671	.	.	NP_00087	XP_006713	protein_co	ENSG0000	3615	6053
IMPG1	0	0	0.017891	0.023192	0	0	interphotoreceptor matrix proteoglycan 1 [Source:HGNC Symbol;	chr6:76630	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	3617	6055
IMPG2	0.065996	0.07088	0.114768	0.064513	0.041519	0.055082	interphotoreceptor matrix proteoglycan 2 [Source:HGNC Symbol;	chr3:10094	NM_01624	XM_01151	.	.	NP_05733	.	protein_co	ENSG0000	50939	18362
INA	0	0.02835	0	0	0	0.028466	internexin neuronal intermediate filament protein alpha [Source:	chr10:1050	NM_03272	.	.	.	NP_11611	.	protein_co	ENSG0000	9118	6057
INAFM1	10.088	8.84503	7.06954	7.34123	6.62405	11.8819	InaF motif containing 1 [Source:HGNC Symbol;Acc:HGNC:27406]	chr19:4777	NM_17851	.	.	.	NP_84860	.	protein_co	ENSG0000	255783	27406
INCA1	0.45801	0.427718	0.810568	0.667564	0.363624	0.78431	inhibitor of CDK, cyclin A1 interacting protein 1 [Source:HGNC Sy	chr17:4891	NM_00116	XM_01152	.	.	NP_00116	XP_005256	protein_co	ENSG0000	388324	32224
INCENP	16.6455	18.1588	16.0704	21.8304	22.4084	18.3797	inner centromere protein [Source:HGNC Symbol;Acc:HGNC:6058]	chr11:6189	NM_00104	XM_01154	.	.	NP_00103	XP_006718	protein_co	ENSG0000	3619	6058
INF2	24.914	26.3732	25.594	28.6711	23.9492	20.4153	inverted formin, FH2 and WH2 domain containing [Source:HGNC	chr14:1051	NM_00103	XM_00526	.	.	NP_00102	XP_005268	protein_co	ENSG0000	64423	23791
ING1	14.2648	15.2133	14.1404	14.7273	14.5256	15.315	inhibitor of growth family member 1 [Source:HGNC Symbol;Acc:H	chr13:1113	NM_00553	.	.	.	NP_00552	.	protein_co	ENSG0000	3621	6062
ING2	5.8969	5.24099	4.27379	5.73166	6.57128	4.07154	inhibitor of growth family member 2 [Source:HGNC Symbol;Acc:H	chr4:18442	NM_00156	.	.	.	NP_00155	.	protein_co	ENSG0000	3622	6063
ING3	7.5593	7.77771	6.70136	5.71786	6.32988	7.18929	inhibitor of growth family member 3 [Source:HGNC Symbol;Acc:H	chr7:12059	NM_01907	XM_01701	.	.	NP_06194	XP_016867	protein_co	ENSG0000	54556	14587
ING4	9.32468	7.22015	9.00647	5.49949	5.61656	6.81903	inhibitor of growth family member 4 [Source:HGNC Symbol;Acc:H	chr12:6759	NM_00112	XM_01152	.	.	NP_00112	XP_005253	protein_co	ENSG0000	51147	19423
ING5	12.8095	13.2091	13.1429	13.2256	10.5707	9.7561	inhibitor of growth family member 5 [Source:HGNC Symbol;Acc:H	chr2:24262	NM_03232	XM_01700	.	.	NP_11570	XP_005247	protein_co	ENSG0000	84289	19421
INHA	0	0	0	0	0	0	inhibin alpha subunit [Source:HGNC Symbol;Acc:HGNC:6065]	chr2:22043	NM_00219	.	.	.	NP_00218	.	protein_co	ENSG0000	3623	6065
INHBA	0	0	0.045641	0.044918	0.014593	0.088442	inhibin beta A subunit [Source:HGNC Symbol;Acc:HGNC:6066]	chr7:41724	NM_00219	.	.	.	NP_00218	XP_016867	protein_co	ENSG0000	3624	6066
INHBB	0.277383	0.358245	0.452067	0.330129	0.321116	0.417927	inhibin beta B subunit [Source:HGNC Symbol;Acc:HGNC:6067]	chr2:12110	NM_00219	.	.	.	NP_00218	.	protein_co	ENSG0000	3625	6067
INHBC	0.039437	0.121239	0.135987	0.043062	0.044868	0.083635	inhibin beta C subunit [Source:HGNC Symbol;Acc:HGNC:6068]	chr12:5782	NM_00553	.	.	.	NP_00552	.	protein_co	ENSG0000	3626	6068
INHBE	0.204789	0.178223	0.025488	0	0	1.05739	inhibin beta E subunit [Source:HGNC Symbol;Acc:HGNC:24029]	chr12:5784	NM_03147	.	.	.	NP_11366	.	protein_co	ENSG0000	83729	24029
INIP	12.0276	11.5307	13.0623	13.8246	14.3894	16.2365	INTS3 and NABP interacting protein [Source:HGNC Symbol;Acc:H	chr9:11544	NM_00132	.	.	.	NP_00131	.	protein_co	ENSG0000	58493	24994
INMT	0	0	0.028406	0	0	0	indolethylamine N-methyltransferase [Source:HGNC Symbol;Acc:	chr7:30791	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	11185	6069
INO80	11.1892	11.2835	8.92725	8.9953	9.08263	9.01542	INO80 complex subunit [Source:HGNC Symbol;Acc:HGNC:26956]	chr15:4127	NM_01755	.	.	.	NP_06002	.	protein_co	ENSG0000	54617	26956
INO80B	15.1206	13.2623	13.4884	6.95139	7.81704	8.39827	INO80 complex subunit B [Source:HGNC Symbol;Acc:HGNC:13324	chr2:74682	NM_03128	.	.	.	NP_11257	.	protein_co	ENSG0000	83444	13324
INO80C	22.9507	23.8905	20.4129	23.9083	20.6562	18.786	INO80 complex subunit C [Source:HGNC Symbol;Acc:HGNC:26994	chr18:3302	NM_00109	XM_01152	.	.	NP_00109	XP_005258	protein_co	ENSG0000	125476	26994
INO80D	2.64235	2.90309	2.38728	1.79587	2.41552	2.57437	INO80 complex subunit D [Source:HGNC Symbol;Acc:HGNC:25997	chr2:20685	NM_01775	XM_01151	.	.	NP_06022	XP_011509	protein_co	ENSG0000	54891	25997
INO80E	55.0473	52.8754	45.0553	79.7141	59.756	44.117	INO80 complex subunit E [Source:HGNC Symbol;Acc:HGNC:26905	chr16:3000	NM_00130	XM_01154	.	.	NP_00129	XP_011544	protein_co	ENSG0000	283899	26905
INPP1	10.1957	9.48778	13.4068	10.0495	9.14481	10.5203	inositol polyphosphate-1-phosphatase [Source:HGNC Symbol;Acc	chr2:19120	NM_00112	XM_00524	.	.	NP_00112	XP_005246	protein_co	ENSG0000	3628	6071
INPP4A	5.44477	5.77573	6.38997	5.34303	5.26989	4.91259	inositol polyphosphate-4-phosphatase type I A [Source:HGNC Syr	chr2:99061	NM_00113	XM_01151	.	.	NP_00112	XP_006712	protein_co	ENSG0000	3631	6074
INPP4B	3.09917	2.99095	3.99023	1.89452	2.70499	2.77888	inositol polyphosphate-4-phosphatase type II B [Source:HGNC Sy	chr4:14294	NM_00110	XM_01153	.	.	NP_00109	XP_005263	protein_co	ENSG0000	8821	6075
INPP5A	5.84056	6.30802	6.0206	6.74675	5.94789	6.18807	inositol polyphosphate-5-phosphatase A [Source:HGNC Symbol;A	chr10:1343	NM_00553	.	.	.	NP_00553	.	protein_co	ENSG0000	3632	6076
INPP5B	5.83118	6.13929	5.98995	4.79322	4.9348	6.80797	inositol polyphosphate-5-phosphatase B [Source:HGNC Symbol;A	chr1:38326	NM_00129	XM_01700	.	.	NP_00128	XP_006710	protein_co	ENSG0000	3633	6077
INPP5D	0.515129	0.659842	1.12306	0.91015	0.830221	0.658706	inositol polyphosphate-5-phosphatase D [Source:HGNC Symbol;A	chr2:23392	NM_00101	XM_01151	.	.	NP_00101	.	protein_co	ENSG0000	3635	6079
INPP5E	10.0368	10.4156	10.2043	9.54155	9.62157	9.18746	inositol polyphosphate-5-phosphatase E [Source:HGNC Symbol;A	chr9:13932	NM_00131	XM_00526	.	.	NP_00130	XP_016870	protein_co	ENSG0000	56623	21474
INPP5F	12.8227	12.3131	12.7036	11.577	12.3578	13.581	inositol polyphosphate-5-phosphatase F [Source:HGNC Symbol;A	chr10:1214	NM_00124	XM_01701	.	.	NP_00123	XP_011537	protein_co	ENSG0000	22876	17054
INPP5J	2.92218	3.1373	2.91289	3.17407	2.04678	3.33378	inositol polyphosphate-5-phosphatase J [Source:HGNC Symbol;A	chr22:3151	NM_00100	XM_01153	.	.	NP_00100	XP_011528	protein_co	ENSG0000	27124	8956
INPP5K	10.3143	10.5648	10.6299	8.33397	6.67073	7.9518	inositol polyphosphate-5-phosphatase K [Source:HGNC Symbol;A	chr17:1397	NM_00113	XM_01702	.	.	NP_00112	XP_005256	protein_co	ENSG0000	51763	33882

INPPL1	20.8071	20.9522	24.3585	17.5314	17.3366	18.2596	inositol polyphosphate phosphatase like 1 [Source:HGNC Symbol;	chr11:7193	NM_00156	XM_01154	.	.	NP_00155	XP_005274	protein_co	ENSG0000	3636	6080
INS	0	0	0	0	0	0	insulin [Source:HGNC Symbol;Acc:HGNC:6081]	chr11:2167	NM_00020	.	.	.	NP_00019	.	protein_co	ENSG0000	3630	6081
INSC	0.172242	0.140239	0.095221	0.112893	0	0.195244	inscuteable homolog (Drosophila) [Source:HGNC Symbol;Acc:HGN	chr11:1513	NM_00103	XM_01701	.	.	NP_00102	XP_006718	protein_co	ENSG0000	387755	33116
INSIG1	32.8534	32.742	33.9643	39.1257	36.1287	50.3059	insulin induced gene 1 [Source:HGNC Symbol;Acc:HGNC:6083]	chr7:15508	NM_00554	XM_01701	.	.	NP_00553	XP_005249	protein_co	ENSG0000	3638	6083
INSIG2	7.41775	7.59037	9.00027	6.91617	8.9535	14.3862	insulin induced gene 2 [Source:HGNC Symbol;Acc:HGNC:20452]	chr2:11884	NM_00132	XM_01151	.	.	NP_00130	XP_011509	protein_co	ENSG0000	51141	20452
INS-IGF2	0	0	0	0	0	0	INS-IGF2 readthrough [Source:HGNC Symbol;Acc:HGNC:33527]	chr11:2167	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	723961	33527
INSL3	1.11433	0.967056	1.66971	0.744629	0.323885	0.76906	insulin like 3 [Source:HGNC Symbol;Acc:HGNC:6086]	chr19:1792	NM_00126	.	.	.	NP_00125	.	protein_co	ENSG0000	3640	6086
INSL4	0	0	0	0	0	0	insulin like 4 [Source:HGNC Symbol;Acc:HGNC:6087]	chr9:52314	NM_00219	.	.	.	NP_00218	.	protein_co	ENSG0000	3641	6087
INSL5	0.124584	0	0	0	0	0	insulin like 5 [Source:HGNC Symbol;Acc:HGNC:6088]	chr1:67263	NM_00547	.	.	.	NP_00546	.	protein_co	ENSG0000	10022	6088
INSL6	0	0	0	0	0	0	insulin like 6 [Source:HGNC Symbol;Acc:HGNC:6089]	chr9:51638	NM_00717	.	.	.	NP_00911	.	protein_co	ENSG0000	11172	6089
INSM1	0	0	0	0	0	0	INSM transcriptional repressor 1 [Source:HGNC Symbol;Acc:HGN	chr20:2034	NM_00219	.	.	.	NP_00218	.	protein_co	ENSG0000	3642	6090
INSM2	0	0	0	0	0	0	INSM transcriptional repressor 2 [Source:HGNC Symbol;Acc:HGN	chr14:3600	NM_03259	.	.	.	NP_11598	.	protein_co	ENSG0000	84684	17539
INSR	5.45374	5.48745	6.54631	3.23019	3.99022	5.21118	insulin receptor [Source:HGNC Symbol;Acc:HGNC:6091]	chr19:7112	NM_00020	XM_01152	.	.	NP_00019	XP_011526	protein_co	ENSG0000	3643	6091
INSRR	0	0	0.013197	0.016474	0.053354	0.016919	insulin receptor related receptor [Source:HGNC Symbol;Acc:HGN	chr1:15677	NM_01421	.	.	.	NP_05503	.	protein_co	ENSG0000	3645	6093
INTS1	26.8818	28.9124	31.5612	32.0893	28.26	26.3341	integrator complex subunit 1 [Source:HGNC Symbol;Acc:HGNC:24	chr7:15099	NM_00108	XM_01701	.	.	NP_00107	XP_011513	protein_co	ENSG0000	26173	24555
INTS10	31.9179	31.3373	29.5445	33.2314	31.5204	25.3466	integrator complex subunit 10 [Source:HGNC Symbol;Acc:HGNC:2	chr8:19674	NM_01814	XM_01154	.	.	NP_06061	XP_005273	protein_co	ENSG0000	55174	25548
INTS12	19.6436	17.4718	17.2017	19.024	18.9556	17.297	integrator complex subunit 12 [Source:HGNC Symbol;Acc:HGNC:2	chr4:10660	NM_00114	XM_01153	.	.	NP_00113	XP_005263	protein_co	ENSG0000	57117	25067
INTS2	13.1058	13.4787	15.4913	12.2773	15.0432	17.7141	integrator complex subunit 2 [Source:HGNC Symbol;Acc:HGNC:29	chr17:5994	NM_02074	XM_01152	.	.	NP_06579	XP_006722	protein_co	ENSG0000	57508	29241
INTS3	13.5876	14.8881	13.4564	11.6675	11.289	9.75522	integrator complex subunit 3 [Source:HGNC Symbol;Acc:HGNC:26	chr1:15370	NM_00132	XM_01150	.	.	NP_00131	XP_005245	protein_co	ENSG0000	65123	26153
INTS4	16.7921	15.8807	12.5786	14.6275	15.4332	14.2116	integrator complex subunit 4 [Source:HGNC Symbol;Acc:HGNC:25	chr11:7753	NM_03354	XM_01154	.	.	NP_29102	XP_011543	protein_co	ENSG0000	92105	25048
INTS5	19.0505	19.8068	20.506	22.7495	21.6909	16.0835	integrator complex subunit 5 [Source:HGNC Symbol;Acc:HGNC:29	chr11:6241	NM_03062	.	.	.	NP_08513	.	protein_co	ENSG0000	80789	29352
INTS6	9.87739	10.0518	10.1467	11.7471	12.5552	15.7037	integrator complex subunit 6 [Source:HGNC Symbol;Acc:HGNC:14	chr13:5190	NM_00103	XM_01153	.	.	NP_00103	XP_005266	protein_co	ENSG0000	26512	14879
INTS6L	2.56893	2.64019	3.05874	2.21453	2.32351	2.91747	integrator complex subunit 6 like [Source:HGNC Symbol;Acc:HGN	chrX:13465	NM_18254	XM_01153	.	XR_001755	NP_87234	XP_005262	protein_co	ENSG0000	203522	27334
INTS7	12.353	11.0093	10.8091	11.4982	12.7752	11.2328	integrator complex subunit 7 [Source:HGNC Symbol;Acc:HGNC:24	chr1:21211	NM_00119	XM_01150	.	.	NP_00118	XP_011507	protein_co	ENSG0000	25896	24484
INTS8	16.8326	14.8593	20.3897	17.7841	25.1423	24.6927	integrator complex subunit 8 [Source:HGNC Symbol;Acc:HGNC:26	chr8:95835	NM_01786	XM_01151	.	.	NP_06033	XP_016869	protein_co	ENSG0000	55656	26048
INTS9	8.99179	9.80728	8.93363	11.6411	9.5072	8.61019	integrator complex subunit 9 [Source:HGNC Symbol;Acc:HGNC:25	chr8:28625	NM_00114	XM_01154	.	.	NP_00113	XP_006716	protein_co	ENSG0000	55756	25592
INTU	2.78515	2.72955	3.71215	2.14733	2.99821	2.71614	inturned planar cell polarity protein [Source:HGNC Symbol;Acc:H	chr4:12855	NM_01569	XM_01153	.	.	NP_05650	XP_011530	protein_co	ENSG0000	27152	29239
INVS	6.08315	5.37636	5.42387	4.99684	4.8749	5.50022	inversin [Source:HGNC Symbol;Acc:HGNC:17870]	chr9:10286	NM_01442	XM_01151	.	.	NP_00130	.	protein_co	ENSG0000	27130	17870
IP6K1	13.3022	13.8056	12.4307	17.2438	15.663	12.6201	inositol hexakisphosphate kinase 1 [Source:HGNC Symbol;Acc:HG	chr3:49761	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	9807	18360
IP6K2	67.4037	59.9734	62.4887	63.035	60.1614	54.4383	inositol hexakisphosphate kinase 2 [Source:HGNC Symbol;Acc:HG	chr3:48725	NM_00100	XM_01700	.	.	NP_00100	XP_006713	protein_co	ENSG0000	51447	17313
IP6K3	0	0	0	0	0	0	inositol hexakisphosphate kinase 3 [Source:HGNC Symbol;Acc:HG	chr6:33689	NM_00114	XM_00524	.	.	NP_00113	XP_005248	protein_co	ENSG0000	117283	17269
IPCEF1	0.01154	0	0.036941	0	0.046819	0.045102	interaction protein for cytohesin exchange factors 1 [Source:HGN	chr6:15433	NM_00113	XM_01701	.	.	NP_00112	XP_005266	protein_co	ENSG0000	26034	21204
IPMK	2.52904	2.6859	2.34544	1.88084	2.4288	2.8077	inositol polyphosphate multikinase [Source:HGNC Symbol;Acc:HG	chr10:5995	NM_15223	XM_01701	.	.	NP_68941	XP_011537	protein_co	ENSG0000	253430	20739
IPO11	14.9208	14.856	11.1286	20.3896	18.0111	13.656	importin 11 [Source:HGNC Symbol;Acc:HGNC:20628]	chr5:61708	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	51194	20628
IPO13	9.75917	9.91115	8.17502	8.66064	6.99431	7.22855	importin 13 [Source:HGNC Symbol;Acc:HGNC:16853]	chr1:44412	NM_01465	XM_01154	.	.	NP_05546	.	protein_co	ENSG0000	9670	16853
IPO4	27.9728	28.7997	24.7663	34.5017	29.9758	22.3155	importin 4 [Source:HGNC Symbol;Acc:HGNC:19426]	chr14:2464	NM_02465	.	NR_05197	.	NP_07893	.	protein_co	ENSG0000	79711	19426
IPO5	91.4224	86.1293	81.3784	94.7301	103.579	87.21	importin 5 [Source:HGNC Symbol;Acc:HGNC:6402]	chr13:9860	NM_00227	XM_01702	.	.	NP_00226	XP_005254	protein_co	ENSG0000	3843	6402
IPO7	49.4886	47.9419	55.3421	45.7766	60.203	64.4208	importin 7 [Source:HGNC Symbol;Acc:HGNC:9852]	chr11:9406	NM_00639	.	.	.	NP_00638	.	protein_co	ENSG0000	10527	9852
IPO8	13.5804	13.1751	14.5182	12.5888	15.7347	15.3198	importin 8 [Source:HGNC Symbol;Acc:HGNC:9853]	chr12:3078	NM_00119	XM_01701	.	.	NP_00117	XP_016874	protein_co	ENSG0000	10526	9853
IPO9	14.8555	14.8216	14.6264	16.371	15.7511	14.9446	importin 9 [Source:HGNC Symbol;Acc:HGNC:19425]	chr1:20179	NM_01808	XM_01150	.	.	NP_06055	.	protein_co	ENSG0000	55705	19425
IPP	5.71157	5.60843	6.88267	4.5463	5.8744	5.5388	intracisternal A particle-promoted polypeptide [Source:HGNC Syn	chr1:46164	NM_00114	XM_00671	.	.	NP_00113	.	protein_co	ENSG0000	3652	6108
IPPK	12.9897	12.4624	11.1891	12.318	11.8916	9.46648	inositol-pentakisphosphate 2-kinase [Source:HGNC Symbol;Acc:H	chr9:95059	NM_02275	XM_01151	.	.	NP_07359	.	protein_co	ENSG0000	64768	14645
IQCA1	0	0	0	0	0	0	IQ motif containing with AAA domain 1 [Source:HGNC Symbol;Ac	chr2:23723	NM_00127	XM_01700	.	.	NP_00125	XP_011510	protein_co	ENSG0000	79781	26195
IQCA1L	0	0	0	0	0	0	IQ motif containing with AAA domain 1 like [Source:HGNC Symbo	chr7:15088	NM_00130	XM_01151	.	.	NP_00129	.	protein_co	ENSG0000	392843	22831
IQCB1	8.071	9.26077	8.91222	9.24808	9.85851	9.63602	IQ motif containing B1 [Source:HGNC Symbol;Acc:HGNC:28949]	chr3:12148	NM_00102	XM_01151	.	.	NP_00101	XP_005247	protein_co	ENSG0000	9657	28949
IQCC	4.14395	3.38636	2.62186	3.52165	3.65271	2.22439	IQ motif containing C [Source:HGNC Symbol;Acc:HGNC:25545]	chr1:32671	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	55721	25545
IQCD	1.75545	1.60441	2.01551	2.51688	2.28107	3.1409	IQ motif containing D [Source:HGNC Symbol;Acc:HGNC:25168]	chr12:1136	NM_13845	XM_01153	.	.	NP_61246	XP_005253	protein_co	ENSG0000	115811	25168
IQCE	7.46974	7.87603	7.08597	8.24533	6.94697	5.88379	IQ motif containing E [Source:HGNC Symbol;Acc:HGNC:29171]	chr7:25986	NM_00128	XM_01701	.	.	NP_00127	XP_006715	protein_co	ENSG0000	23288	29171
IQCF1	0.366427	0.744634	0.106486	0.532006	0.419588	0.129648	IQ motif containing F1 [Source:HGNC Symbol;Acc:HGNC:28607]	chr3:51928	NM_15239	.	.	.	NP_68961	.	protein_co	ENSG0000	132141	28607
IQCF2	0	0	0	0	0	0	IQ motif containing F2 [Source:HGNC Symbol;Acc:HGNC:31815]	chr3:51895	NM_20342	.	.	.	NP_98224	.	protein_co	ENSG0000	389123	31815
IQCF3	0	0	0	0	0	0	IQ motif containing F3 [Source:HGNC Symbol;Acc:HGNC:31816]	chr3:51851	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	401067	31816
IQCF5	0	0	0	0	0	0	IQ motif containing F5 [Source:HGNC Symbol;Acc:HGNC:35159]	chr3:51907	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	389124	35159
IQCF6	0	0	0	0	0	0	IQ motif containing F6 [Source:HGNC Symbol;Acc:HGNC:35158]	chr3:51812	NM_00114	XM_01153	.	.	NP_00113	XP_011532	protein_co	ENSG0000	440956	35158
IQCG	4.57156	5.43694	3.84563	5.38414	4.10899	4.24838	IQ motif containing G [Source:HGNC Symbol;Acc:HGNC:25251]	chr3:19761	NM_00113	.	.	.	NP_00112	XP_016862	protein_co	ENSG0000	84223	25251
IQCH	1.92015	1.23845	1.47234	1.84349	1.37915	2.47812	IQ motif containing H [Source:HGNC Symbol;Acc:HGNC:25721]	chr15:6749	NM_00103	XM_01152	.	.	NP_00102	XP_011520	protein_co	ENSG0000	64799	25721
IQCJ	0	0.071281	0.048235	0	0	0	IQ motif containing J [Source:HGNC Symbol;Acc:HGNC:32406]	chr3:15878	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	654502	32406
IQCK	5.83827	5.75396	6.24163	4.75042	5.38183	6.12493	IQ motif containing K [Source:HGNC Symbol;Acc:HGNC:28556]	chr16:1971	NM_15320	XM_01154	.	.	NP_69494	XP_016878	protein_co	ENSG0000	124152	28556
IQGAP1	38.8287	41.3953	40.8733	40.1871	43.2283	49.0593	IQ motif containing GTPase activating protein 1 [Source:HGNC Sy	chr15:9093	NM_00387	.	.	.	NP_00386	.	protein_co	ENSG0000	8826	6110
IQGAP2	0.464215	0.354906	0.677775	0.34099	0.423239	0.684112	IQ motif containing GTPase activating protein 2 [Source:HGNC Sy	chr5:75699	NM_00128	XM_01154	.	.	NP_00127	XP_005248	protein_co	ENSG0000	10788	6111

IQGAP3	8.92705	9.56627	8.07051	11.6788	12.2308	10.5664	IQ motif containing GTPase activating protein 3 [Source:HGNC Sy	chr1:15649	NM_17822	XM_01700	.	.	NP_839943	XP_011507	protein_co	ENSG0000	128239	20669
IQSEC1	8.72507	9.27625	10.4664	8.3526	9.21928	7.77797	IQ motif and Sec7 domain 1 [Source:HGNC Symbol;Acc:HGNC:291	chr3:12938	NM_00113	XM_01153	.	.	NP_001127	XP_011532	protein_co	ENSG0000	9922	29112
IQSEC2	4.46844	4.02166	5.2378	3.75083	3.74146	3.3532	IQ motif and Sec7 domain 2 [Source:HGNC Symbol;Acc:HGNC:290	chrX:53262	NM_00111	XM_01153	.	.	NP_001104	XP_006724	protein_co	ENSG0000	23096	29059
IQSEC3	0	0	0	0	0	0	IQ motif and Sec7 domain 3 [Source:HGNC Symbol;Acc:HGNC:291	chr12:1759	NM_00117	XM_01152	.	.	NP_001164	XP_011519	protein_co	ENSG0000	440073	29193
IQUB	0.296671	0.186037	0.151196	0.113031	0.191391	0.360586	IQ motif and ubiquitin domain containing [Source:HGNC Symbol;A	chr7:12309	NM_00128	XM_01151	.	.	NP_001269	XP_005250	protein_co	ENSG0000	154865	21995
IRAK1	45.94	43.0685	36.0286	51.2829	47.4767	32.5501	interleukin 1 receptor associated kinase 1 [Source:HGNC Symbol;	chrX:15327	NM_00102	XM_01153	NR_03175	.	NP_001020	XP_005274	protein_co	ENSG0000	100313781	6112
IRAK1BP1	1.67403	1.9894	2.16554	2.36122	1.4168	2.11596	interleukin 1 receptor associated kinase 1 binding protein 1 [Sour	chr6:79577	NM_00101	.	.	.	NP_001010	XP_011533	protein_co	ENSG0000	134728	17368
IRAK2	4.3985	5.294	5.87581	1.9515	1.45134	1.90644	interleukin 1 receptor associated kinase 2 [Source:HGNC Symbol;	chr3:10206	NM_00157	XM_01153	.	.	NP_001561	.	protein_co	ENSG0000	3656	6113
IRAK3	0.058943	0.063137	0.113009	0.168193	0.095336	0.20895	interleukin 1 receptor associated kinase 3 [Source:HGNC Symbol;	chr12:6658	NM_00114	.	NR_10675	.	NP_001135	.	protein_co	ENSG0000	102465249	17020
IRAK4	3.6932	3.41243	2.95239	3.40446	3.72687	3.66917	interleukin 1 receptor associated kinase 4 [Source:HGNC Symbol;	chr12:4415	NM_00111	XM_01701	.	.	NP_001107	XP_005269	protein_co	ENSG0000	51135	17967
IREB2	14.353	15.1135	16.315	13.5825	19.1488	17.2732	iron responsive element binding protein 2 [Source:HGNC Symbol;	chr15:7873	NM_00132	.	.	.	NP_001307	.	protein_co	ENSG0000	3658	6115
IRF1	14.5744	13.3324	10.4941	9.36658	7.65677	7.42544	interferon regulatory factor 1 [Source:HGNC Symbol;Acc:HGNC:6	chr5:13181	NM_00219	XM_01154	.	.	NP_002189	XP_011541	protein_co	ENSG0000	3659	6116
IRF2	6.08413	5.27371	4.42973	4.5506	3.83521	3.82883	interferon regulatory factor 2 [Source:HGNC Symbol;Acc:HGNC:6	chr4:18530	NM_00219	XM_01153	.	.	NP_002190	XP_011530	protein_co	ENSG0000	3660	6117
IRF2BP1	22.7674	22.6858	21.4616	19.1806	15.991	20.2015	interferon regulatory factor 2 binding protein 1 [Source:HGNC Sy	chr19:4638	NM_01564	.	.	.	NP_056464	.	protein_co	ENSG0000	26145	21728
IRF2BP2	14.0713	15.7166	12.1778	13.6792	13.0716	19.5335	interferon regulatory factor 2 binding protein 2 [Source:HGNC Sy	chr1:23474	NM_00107	.	.	.	NP_001070	.	protein_co	ENSG0000	359948	21729
IRF2BPL	28.4823	32.0095	38.2614	26.4097	26.4548	44.1046	interferon regulatory factor 2 binding protein like [Source:HGNC S	chr14:7749	NM_02449	.	.	.	NP_078772	.	protein_co	ENSG0000	64207	14282
IRF3	37.4927	37.1217	39.2942	41.0471	36.5355	30.9297	interferon regulatory factor 3 [Source:HGNC Symbol;Acc:HGNC:6	chr19:5016	NM_00119	XM_01702	.	.	NP_001184	XP_006723	protein_co	ENSG0000	3661	6118
IRF4	0.015523	0.016119	0.013407	0	0.017427	0.031649	interferon regulatory factor 4 [Source:HGNC Symbol;Acc:HGNC:6	chr6:39173	NM_00119	XM_00671	.	.	NP_001182	XP_006715	protein_co	ENSG0000	3662	6119
IRF5	7.25001	8.86618	9.6148	9.83564	7.4949	7.01425	interferon regulatory factor 5 [Source:HGNC Symbol;Acc:HGNC:6	chr7:12857	NM_00109	XM_01151	.	.	NP_001092	XP_005250	protein_co	ENSG0000	3663	6120
IRF6	13.591	13.0382	13.6253	13.6108	13.2874	14.2892	interferon regulatory factor 6 [Source:HGNC Symbol;Acc:HGNC:6	chr1:20995	NM_00120	.	.	.	NP_001193	.	protein_co	ENSG0000	3664	6121
IRF7	5.6819	6.18458	4.88399	3.71048	2.06011	5.08894	interferon regulatory factor 7 [Source:HGNC Symbol;Acc:HGNC:6	chr11:6125	NM_00157	XM_01152	.	.	NP_001563	XP_005252	protein_co	ENSG0000	3665	6122
IRF8	0	0	0	0	0	0	interferon regulatory factor 8 [Source:HGNC Symbol;Acc:HGNC:5	chr16:8593	NM_00216	XM_01152	.	.	NP_002154	XP_011521	protein_co	ENSG0000	3394	5358
IRF9	7.63379	4.98267	7.48827	3.93265	4.28881	5.13599	interferon regulatory factor 9 [Source:HGNC Symbol;Acc:HGNC:6	chr14:2463	NM_00608	.	.	.	NP_006075	.	protein_co	ENSG0000	10379	6131
IRGC	0	0	0	0	0	0	immunity related GTPase cinema [Source:HGNC Symbol;Acc:HGN	chr19:4422	NM_01961	XM_01152	.	.	NP_062558	XP_005259	protein_co	ENSG0000	56269	28835
IRGM	0.1364	0.046987	0.078823	0.100561	0.205059	0.047095	immunity related GTPase M [Source:HGNC Symbol;Acc:HGNC:295	chr5:15022	NM_00114	.	.	.	NP_001139	.	protein_co	ENSG0000	345611	29597
IRGQ	6.94222	7.18509	6.71863	6.15755	6.71944	5.46773	immunity related GTPase Q [Source:HGNC Symbol;Acc:HGNC:248	chr19:4404	NM_00100	XM_00525	.	.	NP_001007	XP_005258	protein_co	ENSG0000	126298	24868
IRS1	12.7525	13.7707	16.7738	22.9624	24.3624	24.502	insulin receptor substrate 1 [Source:HGNC Symbol;Acc:HGNC:612	chr2:22759	NM_00554	.	.	.	NP_005535	.	protein_co	ENSG0000	3667	6125
IRS2	3.0577	3.45382	3.20306	1.39252	1.47471	2.66019	insulin receptor substrate 2 [Source:HGNC Symbol;Acc:HGNC:612	chr13:1104	NM_00374	.	.	.	NP_003740	.	protein_co	ENSG0000	8660	6126
IRS4	0	0	0	0	0	0	insulin receptor substrate 4 [Source:HGNC Symbol;Acc:HGNC:612	chrX:10796	NM_00360	.	.	.	NP_003595	XP_005262	protein_co	ENSG0000	8471	6128
IRX1	0	0	0	0	0	0	iroquois homeobox 1 [Source:HGNC Symbol;Acc:HGNC:14358]	chr5:35961	NM_02433	.	.	.	NP_077313	XP_016865	protein_co	ENSG0000	79192	14358
IRX2	0	0	0	0	0	0	iroquois homeobox 2 [Source:HGNC Symbol;Acc:HGNC:14359]	chr5:27459	NM_00113	XM_01151	.	.	NP_001127	XP_011512	protein_co	ENSG0000	153572	14359
IRX3	0.795501	1.25941	0.793223	1.18473	1.16806	1.16615	iroquois homeobox 3 [Source:HGNC Symbol;Acc:HGNC:14360]	chr16:5431	NM_02433	XM_00525	.	.	NP_077312	XP_005256	protein_co	ENSG0000	79191	14360
IRX4	9.33948	10.495	8.00167	16.2497	12.2589	10.6792	iroquois homeobox 4 [Source:HGNC Symbol;Acc:HGNC:6129]	chr5:18775	NM_00127	.	.	.	NP_001265	.	protein_co	ENSG0000	50805	6129
IRX5	0.600457	0.631172	0.828169	1.33881	0.63781	1.65254	iroquois homeobox 5 [Source:HGNC Symbol;Acc:HGNC:14361]	chr16:5496	NM_00125	.	.	.	NP_001239	.	protein_co	ENSG0000	10265	14361
IRX6	0.170038	0.249199	0.219628	0.060598	0	0.031547	iroquois homeobox 6 [Source:HGNC Symbol;Acc:HGNC:14675]	chr16:5535	NM_02433	XM_00525	.	.	NP_077311	XP_005256	protein_co	ENSG0000	79190	14675
ISCA1	22.6044	21.3353	20.7694	21.5994	25.2927	25.1397	iron-sulfur cluster assembly 1 [Source:HGNC Symbol;Acc:HGNC:2	chr9:88879	NM_03094	.	.	.	NP_112202	.	protein_co	ENSG0000	81689	28660
ISCA2	26.662	25.4051	28.7076	25.3269	27.2496	27.0634	iron-sulfur cluster assembly 2 [Source:HGNC Symbol;Acc:HGNC:1	chr14:7496	NM_00127	.	.	.	NP_001258	.	protein_co	ENSG0000	122961	19857
ISCU	81.6288	77.4912	69.8152	83.5522	64.4491	61.742	iron-sulfur cluster assembly enzyme [Source:HGNC Symbol;Acc:H	chr12:1089	NM_00130	XM_00526	.	.	NP_001288	XP_005268	protein_co	ENSG0000	23479	29882
ISG15	560.075	565.874	154.917	677.242	463.817	382.108	ISG15 ubiquitin-like modifier [Source:HGNC Symbol;Acc:HGNC:40	chr1:93651	NM_00510	.	.	.	NP_005092	.	protein_co	ENSG0000	9636	4053
ISG20	9.17981	9.91213	5.07519	7.59259	5.89869	8.39805	interferon stimulated exonuclease gene 20 [Source:HGNC Symbo	chr15:8917	NM_00130	XM_00672	.	.	NP_001290	XP_005254	protein_co	ENSG0000	3669	6130
ISG20L2	27.8636	28.4424	26.1948	29.0631	25.4758	18.1673	interferon stimulated exonuclease gene 20 like 2 [Source:HGNC S	chr1:15669	NM_00130	XM_00671	.	.	NP_001290	XP_005245	protein_co	ENSG0000	81875	25745
ISL1	0.59703	0.627529	0.833208	0.996673	0.887883	0.900295	ISL LIM homeobox 1 [Source:HGNC Symbol;Acc:HGNC:6132]	chr5:50679	NM_00220	.	.	.	NP_002193	.	protein_co	ENSG0000	3670	6132
ISL2	4.08978	3.20705	2.55649	3.46205	3.36399	6.02052	ISL LIM homeobox 2 [Source:HGNC Symbol;Acc:HGNC:18524]	chr15:7662	NM_14580	XM_01152	.	.	NP_665804	.	protein_co	ENSG0000	64843	18524
ISLR	0	0	0	0	0	0	immunoglobulin superfamily containing leucine rich repeat [Sour	chr15:7446	NM_00554	.	.	.	NP_005536	.	protein_co	ENSG0000	3671	6133
ISLR2	0.049227	0.04801	0.046712	0.084834	0	0.250556	immunoglobulin superfamily containing leucine rich repeat 2 [Sou	chr15:7442	NM_00113	XM_01152	.	.	NP_001123	XP_011520	protein_co	ENSG0000	57611	29286
ISM1	0.620508	0.468809	0.421497	0.655974	0.460492	0.338029	isthmin 1, angiogenesis inhibitor [Source:HGNC Symbol;Acc:HGNC	chr20:1320	NM_08082	.	.	.	NP_543016	.	protein_co	ENSG0000	140862	16213
ISM2	0	0.04129	0.036371	0	0	0	isthmin 2 [Source:HGNC Symbol;Acc:HGNC:23176]	chr14:7794	NM_18250	XM_01153	.	.	NP_872315	XP_011534	protein_co	ENSG0000	145501	23176
ISOC1	33.9746	36.2179	34.1777	37.9947	38.384	37.5366	isochorismatase domain containing 1 [Source:HGNC Symbol;Acc:I	chr5:12843	NM_01604	.	.	.	NP_057132	.	protein_co	ENSG0000	51015	24254
ISOC2	44.3988	45.4692	36.9528	57.3391	46.9051	43.2418	isochorismatase domain containing 2 [Source:HGNC Symbol;Acc:I	chr19:5596	NM_00113	.	.	.	NP_001129	.	protein_co	ENSG0000	79763	26278
ISPD	0.332541	0.251602	0.602802	0.133816	0.376201	0.133003	isoprenoid synthase domain containing [Source:HGNC Symbol;Ac	chr7:16127	NM_00110	XM_01151	.	.	NP_001094	XP_011513	protein_co	ENSG0000	729920	37276
IST1	71.7411	68.0562	70.6883	76.3524	71.1068	76.1052	IST1, ESCRT-III associated factor [Source:HGNC Symbol;Acc:HGNC	chr16:7192	NM_00127	.	.	.	NP_001257	.	protein_co	ENSG0000	9798	28977
ISX	0	0	0	0	0	0	intestine specific homeobox [Source:HGNC Symbol;Acc:HGNC:28	chr22:3546	NM_00130	.	.	.	NP_001290	.	protein_co	ENSG0000	91464	28084
ISY1	23.4411	23.9746	19.2636	25.1335	20.9904	17.0114	ISY1 splicing factor homolog [Source:HGNC Symbol;Acc:HGNC:29	chr3:12880	NM_00119	.	.	.	NP_001186	.	protein_co	ENSG0000	57461	29201
ISY1-RAB43	0.772599	0.856733	1.52432	2.09969	2.42342	1.99155	ISY1-RAB43 readthrough [Source:HGNC Symbol;Acc:HGNC:42969	chr3:12880	NM_00120	.	.	.	NP_001191	.	protein_co	ENSG0000	100534599	42969
ISYNA1	88.3732	83.2866	116.657	104.259	79.9649	79.6578	inositol-3-phosphate synthase 1 [Source:HGNC Symbol;Acc:HGNC	chr19:1853	NM_00117	XM_01152	.	.	NP_001164	XP_011526	protein_co	ENSG0000	51477	29821
ITCH	12.4859	13.0797	15.1485	13.8036	16.6107	20.0018	itchy E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC	chr20:3295	NM_00125	XM_01702	.	.	NP_001244	XP_011527	protein_co	ENSG0000	83737	13890
ITFG1	14.5419	13.0497	17.6845	12.9001	20.3458	21.6989	integrin alpha FG-GAP repeat containing 1 [Source:HGNC Symbol	chr16:4718	NM_00130	.	.	.	NP_001291	.	protein_co	ENSG0000	81533	30697
ITFG2	3.96743	4.29806	3.83794	3.20109	2.77753	2.13078	integrin alpha FG-GAP repeat containing 2 [Source:HGNC Symbol	chr12:2921	NM_01846	XM_00525	NR_03893	.	NP_060933	XP_005253	protein_co	ENSG0000	100507424	30879
ITGA1	0.334389	0.225218	0.180396	0.256329	0.310067	0.414619	integrin subunit alpha 1 [Source:HGNC Symbol;Acc:HGNC:6134]	chr5:52083	NM_18150	.	.	.	NP_852478	.	protein_co	ENSG0000	3672	6134

ITGA10	0.146933	0.181462	0.305873	0.340411	0.199365	0.198726	integrin subunit alpha 10 [Source:HGNC Symbol;Acc:HGNC:6135]	chr1:14552	NM_00130	XM_01700	.	.	NP_00128	XP_00527	protein_co	ENSG0000	8515	6135
ITGA11	0.006547	0	0.005679	0.01451	0.018267	0.013544	integrin subunit alpha 11 [Source:HGNC Symbol;Acc:HGNC:6136]	chr15:6858	NM_00100	XM_01152	.	.	NP_00100	XP_00525	protein_co	ENSG0000	22801	6136
ITGA2	12.9449	12.9718	14.1988	10.7089	12.4817	19.1528	integrin subunit alpha 2 [Source:HGNC Symbol;Acc:HGNC:6137]	chr5:52285	NM_0022(	.	.	.	NP_00219	.	protein_co	ENSG0000	3673	6137
ITGA2B	0.5832	0.437022	0.982467	0.474259	0.297674	0.691539	integrin subunit alpha 2b [Source:HGNC Symbol;Acc:HGNC:6138]	chr17:4244	NM_00041	XM_01152	.	.	NP_00041	XP_01152	protein_co	ENSG0000	3674	6138
ITGA3	72.2118	76.2933	83.8914	66.4009	61.6557	79.3744	integrin subunit alpha 3 [Source:HGNC Symbol;Acc:HGNC:6139]	chr17:4813	NM_00220	XM_00525	.	.	NP_00219	XP_00525	protein_co	ENSG0000	3675	6139
ITGA4	0	0	0	0	0	0	integrin subunit alpha 4 [Source:HGNC Symbol;Acc:HGNC:6140]	chr2:18232	NM_00088	.	.	.	NP_00087	.	protein_co	ENSG0000	3676	6140
ITGA5	16.0135	17.1899	15.0368	17.3014	17.2626	23.2025	integrin subunit alpha 5 [Source:HGNC Symbol;Acc:HGNC:6141]	chr12:5478	NM_00220	.	.	.	NP_00219	.	protein_co	ENSG0000	3678	6141
ITGA6	27.7388	29.1886	31.5933	20.011	25.482	36.7783	integrin subunit alpha 6 [Source:HGNC Symbol;Acc:HGNC:6142]	chr2:17329	NM_00021	XM_01700	.	.	NP_00020	XP_00671	protein_co	ENSG0000	3655	6142
ITGA7	2.37313	1.80382	4.19544	3.36291	3.31825	3.96033	integrin subunit alpha 7 [Source:HGNC Symbol;Acc:HGNC:6143]	chr12:5607	NM_00114	XM_01153	.	.	NP_00113	XP_00526	protein_co	ENSG0000	3679	6143
ITGA8	0	0	0.017995	0	0	0.010376	integrin subunit alpha 8 [Source:HGNC Symbol;Acc:HGNC:6144]	chr10:1555	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	8516	6144
ITGA9	0.167034	0.282404	0.259173	0.254104	0.218357	0.597929	integrin subunit alpha 9 [Source:HGNC Symbol;Acc:HGNC:6145]	chr3:37493	NM_00220	.	.	.	NP_00219	.	protein_co	ENSG0000	3680	6145
ITGAD	0.050766	0	0.014635	0.036693	0	0.018164	integrin subunit alpha D [Source:HGNC Symbol;Acc:HGNC:6146]	chr16:3140	NM_00131	XM_01154	.	.	NP_00130	XP_01154	protein_co	ENSG0000	3681	6146
ITGAE	3.0383	2.90144	2.48438	2.995	2.85463	2.99534	integrin subunit alpha E [Source:HGNC Symbol;Acc:HGNC:6147]	chr17:3617	NM_00220	XM_01152	.	.	NP_00219	XP_01152	protein_co	ENSG0000	3682	6147
ITGAL	0.149112	0.014419	0.012362	0.046549	0	0	integrin subunit alpha L [Source:HGNC Symbol;Acc:HGNC:6148]	chr16:3048	NM_00111	XM_01154	.	.	NP_00110	XP_00525	protein_co	ENSG0000	3683	6148
ITGAM	0.362792	0.468113	0.261056	0.083516	0.173076	0.174455	integrin subunit alpha M [Source:HGNC Symbol;Acc:HGNC:6149]	chr16:3127	NM_00063	XM_01154	.	.	NP_00062	XP_01154	protein_co	ENSG0000	3684	6149
ITGAV	13.494	15.1415	15.7618	10.0769	13.0382	15.6809	integrin subunit alpha V [Source:HGNC Symbol;Acc:HGNC:6150]	chr2:18745	NM_00114	XM_00671	.	.	NP_00113	.	protein_co	ENSG0000	3685	6150
ITGAX	0.529668	0.542045	0.919849	0.62778	0.472323	0.737826	integrin subunit alpha X [Source:HGNC Symbol;Acc:HGNC:6152]	chr16:3136	NM_00088	.	.	.	NP_00087	.	protein_co	ENSG0000	3687	6152
ITGB1	100.276	100.131	104.507	125.713	140.856	203.865	integrin subunit beta 1 [Source:HGNC Symbol;Acc:HGNC:6153]	chr10:3318	NM_00221	XM_00525	.	.	NP_00220	XP_00525	protein_co	ENSG0000	3688	6153
ITGB1BP1	26.8369	24.9897	23.1433	27.3122	26.6744	22.581	integrin subunit beta 1 binding protein 1 [Source:HGNC Symbol;A	chr2:93468	NM_00476	XM_01151	.	.	NP_00130	XP_00524	protein_co	ENSG0000	9270	23927
ITGB1BP2	0.260126	0.748343	0.411859	0.342294	0.29445	0.979775	integrin subunit beta 1 binding protein 2 [Source:HGNC Symbol;A	chrX:70521	NM_01227	.	.	.	NP_03641	.	protein_co	ENSG0000	26548	6154
ITGB2	0	0	0	0.149536	0.212563	0.061411	integrin subunit beta 2 [Source:HGNC Symbol;Acc:HGNC:6155]	chr21:4630	NM_00021	XM_01702	.	.	NP_00020	XP_00672	protein_co	ENSG0000	3689	6155
ITGB3	0.053476	0.090976	0.114771	0.098008	0.060734	0.091916	integrin subunit beta 3 [Source:HGNC Symbol;Acc:HGNC:6156]	chr17:4533	NM_00021	.	.	.	NP_00020	.	protein_co	ENSG0000	3690	6156
ITGB3BP	11.0243	10.3765	13.58	12.6506	22.0489	22.9553	integrin subunit beta 3 binding protein [Source:HGNC Symbol;Ac	chr1:63906	NM_00120	XM_00671	.	.	NP_00119	XP_00671	protein_co	ENSG0000	23421	6157
ITGB4	34.6826	38.4449	52.9507	31.08	31.5722	39.9173	integrin subunit beta 4 [Source:HGNC Symbol;Acc:HGNC:6158]	chr17:7371	NM_00021	XM_01152	.	.	NP_00020	XP_00525	protein_co	ENSG0000	3691	6158
ITGB5	18.2286	17.7368	18.3058	16.3087	15.0081	16.1438	integrin subunit beta 5 [Source:HGNC Symbol;Acc:HGNC:6160]	chr3:12448	NM_00221	XM_00671	.	.	NP_00220	XP_00524	protein_co	ENSG0000	3693	6160
ITGB6	0.0994	0.039597	0.057596	0.032962	0.039747	0.036047	integrin subunit beta 6 [Source:HGNC Symbol;Acc:HGNC:6161]	chr2:16095	NM_00088	.	NR_10377	.	NP_00087	.	protein_co	ENSG0000	100505984	6161
ITGB7	0.112699	0.1104	0.284657	0.089158	0.19316	0.163632	integrin subunit beta 7 [Source:HGNC Symbol;Acc:HGNC:6162]	chr12:5355	NM_00088	XM_00671	.	.	NP_00088	XP_00526	protein_co	ENSG0000	3695	6162
ITGB8	0.983248	0.810718	1.66605	0.482338	0.492994	1.11302	integrin subunit beta 8 [Source:HGNC Symbol;Acc:HGNC:6163]	chr7:20370	NM_00221	XM_01701	.	.	NP_00220	XP_01151	protein_co	ENSG0000	3696	6163
ITGBL1	0.277495	0.271853	0.60218	0	0	0.06311	integrin subunit beta like 1 [Source:HGNC Symbol;Acc:HGNC:616	chr13:1021	NM_00127	XM_00525	.	.	NP_00125	XP_00525	protein_co	ENSG0000	9358	6164
ITIH1	0	0	0	0	0	0	inter-alpha-trypsin inhibitor heavy chain 1 [Source:HGNC Symbol;	chr3:52811	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	3697	6166
ITIH2	0	0	0	0	0	0	inter-alpha-trypsin inhibitor heavy chain 2 [Source:HGNC Symbol;	chr10:7745	NM_00221	.	.	.	NP_00220	.	protein_co	ENSG0000	3698	6167
ITIH3	0	0	0	0	0	0	inter-alpha-trypsin inhibitor heavy chain 3 [Source:HGNC Symbol;	chr3:52828	NM_00221	XM_00671	.	.	NP_00220	XP_00526	protein_co	ENSG0000	3699	6168
ITIH4	0.730984	0.879081	0.633701	0.423241	0.558845	0.642388	inter-alpha-trypsin inhibitor heavy chain family member 4 [Sourc	chr3:52846	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	3700	6169
ITIH5	0.047138	0	0.020358	0.051189	0.027038	0.023141	inter-alpha-trypsin inhibitor heavy chain family member 5 [Sourc	chr10:7601	NM_00100	XM_01151	.	.	NP_00100	XP_01151	protein_co	ENSG0000	80760	21449
ITIH6	0	0	0	0	0	0	inter-alpha-trypsin inhibitor heavy chain family member 6 [Sourc	chrX:54775	NM_19851	.	.	.	NP_94091	.	protein_co	ENSG0000	347365	28907
ITK	0.046253	0	0	0	0.017281	0	IL2 inducible T-cell kinase [Source:HGNC Symbol;Acc:HGNC:6171]	chr5:15660	NM_00554	.	.	.	NP_00553	.	protein_co	ENSG0000	3702	6171
ITLN1	0	0	0	0	0	0	intelectin 1 [Source:HGNC Symbol;Acc:HGNC:18259]	chr1:16084	NM_01762	.	.	.	NP_06009	.	protein_co	ENSG0000	55600	18259
ITLN2	0	0	0	0	0.206685	0.063167	intelectin 2 [Source:HGNC Symbol;Acc:HGNC:20599]	chr1:16091	NM_08087	XM_01150	.	.	NP_54315	XP_01150	protein_co	ENSG0000	142683	20599
ITM2A	0	0	0	0	0	0	integral membrane protein 2A [Source:HGNC Symbol;Acc:HGNC:6	chrX:78615	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	9452	6173
ITM2B	28.8614	32.6362	28.1551	27.7888	31.0665	42.2852	integral membrane protein 2B [Source:HGNC Symbol;Acc:HGNC:6	chr13:4880	NM_02199	.	.	.	NP_06883	.	protein_co	ENSG0000	9445	6174
ITM2C	85.6245	83.0065	111.399	100.405	84.6671	114.517	integral membrane protein 2C [Source:HGNC Symbol;Acc:HGNC:6	chr2:23172	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	81618	6175
ITPA	56.6559	48.1616	50.8908	56.786	42.6239	36.0524	inosine triphosphatase [Source:HGNC Symbol;Acc:HGNC:6176]	chr20:3190	NM_00126	XM_00672	NR_05200	.	NP_00125	XP_00672	protein_co	ENSG0000	3704	6176
ITPK1	26.983	25.6945	25.489	30.6802	28.9327	20.2763	inositol-tetrakisphosphate 1-kinase [Source:HGNC Symbol;Acc:H	chr14:9340	NM_00114	XM_01702	.	.	NP_00113	XP_01687	protein_co	ENSG0000	3705	6177
ITPKA	6.38258	6.11041	10.106	8.73121	4.88604	6.00435	inositol-trisphosphate 3-kinase A [Source:HGNC Symbol;Acc:HGN	chr15:4178	NM_00222	XM_01152	.	.	NP_00221	XP_01151	protein_co	ENSG0000	3706	6178
ITPKB	2.31928	2.39168	2.49664	1.90555	2.45406	2.29058	inositol-trisphosphate 3-kinase B [Source:HGNC Symbol;Acc:HGN	chr1:22681	NM_00222	XM_00527	.	.	NP_00221	XP_00527	protein_co	ENSG0000	3707	6179
ITPKC	6.59362	6.64159	4.96285	5.23596	5.06098	5.55106	inositol-trisphosphate 3-kinase C [Source:HGNC Symbol;Acc:HGN	chr19:4122	NM_02519	XM_00672	.	.	NP_07947	XP_00672	protein_co	ENSG0000	80271	14897
ITPR1	1.04468	1.29573	1.32896	1.54738	1.81717	1.67626	inositol 1,4,5-trisphosphate receptor type 1 [Source:HGNC Symbo	chr3:45350	NM_00109	XM_01153	.	.	NP_00109	XP_00526	protein_co	ENSG0000	3708	6180
ITPR2	0.949817	1.15709	2.08196	0.585242	0.697868	0.982972	inositol 1,4,5-trisphosphate receptor type 2 [Source:HGNC Symbo	chr12:2648	NM_00222	XM_01152	.	.	NP_00221	XP_01687	protein_co	ENSG0000	3709	6181
ITPR3	33.5721	35.2376	34.5658	29.6158	29.6524	27.8501	inositol 1,4,5-trisphosphate receptor type 3 [Source:HGNC Symbo	chr6:33588	NM_00222	XM_01151	.	.	NP_00221	XP_01151	protein_co	ENSG0000	3710	6182
ITPRIP	10.7737	11.5015	9.04905	10.3785	10.8624	11.7604	inositol 1,4,5-trisphosphate receptor interacting protein [Source:	chr10:1060	NM_00127	XM_00527	.	.	NP_00125	XP_00527	protein_co	ENSG0000	85450	29370
ITPRIPL1	8.69289	9.04645	8.74573	10.3334	10.9636	7.37699	inositol 1,4,5-trisphosphate receptor interacting protein-like 1 [S	chr2:96991	NM_00100	XM_01700	.	.	NP_00100	XP_01685	protein_co	ENSG0000	150771	29371
ITPRIPL2	25.7989	28.5186	21.7648	25.2272	29.8231	32.9993	inositol 1,4,5-trisphosphate receptor interacting protein like 2 [S	chr16:1912	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	162073	27257
ITSN1	6.56755	7.68927	7.2442	6.71387	7.74077	7.45478	intersectin 1 [Source:HGNC Symbol;Acc:HGNC:6183]	chr21:3487	NM_00100	XM_01702	.	.	NP_00100	XP_00526	protein_co	ENSG0000	6453	6183
ITSN2	4.72533	4.6263	4.59253	3.5119	4.01882	4.19669	intersectin 2 [Source:HGNC Symbol;Acc:HGNC:6184]	chr2:24425	NM_00627	.	.	.	NP_00626	.	protein_co	ENSG0000	50618	6184
IVD	26.6836	26.267	24.7722	21.8155	24.5432	16.6849	isovaleryl-CoA dehydrogenase [Source:HGNC Symbol;Acc:HGNC:6	chr15:4069	NM_00115	XM_01702	.	.	NP_00115	XP_00525	protein_co	ENSG0000	3712	6186
IVL	0.025961	0	0	0	0	0	involucrin [Source:HGNC Symbol;Acc:HGNC:6187]	chr1:15288	NM_00554	XM_00671	.	.	NP_00553	XP_00671	protein_co	ENSG0000	3713	6187
IVNS1ABP	38.2045	36.6542	32.9609	49.0958	53.5	40.8892	influenza virus NS1A binding protein [Source:HGNC Symbol;Acc:H	chr1:18526	NM_00646	XM_01150	.	.	NP_00646	XP_00524	protein_co	ENSG0000	10625	16951
IWS1	15.3894	15.6886	18.0388	14.3653	15.8148	15.0347	IWS1, SUPT6H interacting protein [Source:HGNC Symbol;Acc:HGN	chr2:12823	NM_01796	XM_01700	.	.	NP_06043	XP_00526	protein_co	ENSG0000	55677	25467
IYD	0	0	0	0	0.010973	0	iodotyrosine deiodinase [Source:HGNC Symbol;Acc:HGNC:21071]	chr6:15069	NM_00116	XM_00671	.	.	NP_00115	XP_00671	protein_co	ENSG0000	389434	21071

IZUMO1	0.099442	0.253208	0.129074	0.10981	0.11352	0	izumo sperm-egg fusion 1 [Source:HGNC Symbol;Acc:HGNC:2853	chr19:4924	NM_00132	XM_01152	.	.		NP_00130	XP_005258	protein_co	ENSG0000	284359	28539
IZUMO1R	0	0.106653	0	0.228264	0	0	IZUMO1 receptor, JUNO [Source:HGNC Symbol;Acc:HGNC:32565	chr11:9403	NM_00119	XM_01154	.	.		NP_00118	XP_011541	protein_co	ENSG0000	390243	32565
IZUMO2	0	0	0	0	0	0	IZUMO family member 2 [Source:HGNC Symbol;Acc:HGNC:28518	chr19:5065	NM_15235	XM_01152	.	.		NP_00130	XP_011524	protein_co	ENSG0000	126123	28518
IZUMO3	0	0	0	0	0	0	IZUMO family member 3 [Source:HGNC Symbol;Acc:HGNC:31421	chr9:24542	NM_00127	XM_00525	.	.		NP_00125	XP_005251	protein_co	ENSG0000	100129669	31421
IZUMO4	0.796374	1.61297	1.76977	1.00758	1.18723	0.724421	IZUMO family member 4 [Source:HGNC Symbol;Acc:HGNC:26950	chr19:2096	NM_00103	XM_00525	.	.		NP_00102	XP_005259	protein_co	ENSG0000	113177	26950
JADE1	7.36039	8.21065	7.31745	7.75366	7.54454	9.08506	jade family PHD finger 1 [Source:HGNC Symbol;Acc:HGNC:30027	chr4:12973	NM_00128	XM_01153	.	.		NP_00127	XP_005263	protein_co	ENSG0000	79960	30027
JADE2	9.12956	9.56467	8.069	7.33441	7.94066	5.29663	jade family PHD finger 2 [Source:HGNC Symbol;Acc:HGNC:22984	chr5:13386	NM_00128	XM_01154	.	.		NP_00127	XP_005272	protein_co	ENSG0000	23338	22984
JADE3	6.39088	6.21338	7.2487	5.25925	7.11122	7.0724	jade family PHD finger 3 [Source:HGNC Symbol;Acc:HGNC:22982	chrX:46771	NM_00107	.	.	.		NP_00107	.	protein_co	ENSG0000	9767	22982
JAG1	16.9159	17.2573	24.4418	18.9495	18.7555	25.3779	jagged 1 [Source:HGNC Symbol;Acc:HGNC:6188]	chr20:1061	NM_00021	.	.	.		NP_00020	.	protein_co	ENSG0000	182	6188
JAG2	27.7348	28.1745	25.4568	22.5128	23.3631	17.5056	jagged 2 [Source:HGNC Symbol;Acc:HGNC:6189]	chr14:1056	NM_00222	.	.	.		NP_00221	.	protein_co	ENSG0000	3714	6189
JAGN1	39.9507	39.119	38.0462	42.8127	39.2819	39.3807	jagunal homolog 1 [Source:HGNC Symbol;Acc:HGNC:26926]	chr3:99322	NM_03249	.	.	.		NP_11588	.	protein_co	ENSG0000	84522	26926
JAK1	19.2437	19.5665	20.2174	8.99305	9.46993	13.497	Janus kinase 1 [Source:HGNC Symbol;Acc:HGNC:6190]	chr1:65210	NM_00132	XM_01700	.	.		NP_00130	XP_005270	protein_co	ENSG0000	3716	6190
JAK2	2.03694	1.63402	1.74954	1.41066	2.00539	1.7296	Janus kinase 2 [Source:HGNC Symbol;Acc:HGNC:6192]	chr9:49852	NM_00132	.	.	.		NP_00130	.	protein_co	ENSG0000	3717	6192
JAK3	1.74396	1.63834	2.39546	1.57006	1.22915	1.61161	Janus kinase 3 [Source:HGNC Symbol;Acc:HGNC:6193]	chr19:1793	NM_00021	XM_00672	.	.		NP_00020	XP_005259	protein_co	ENSG0000	3718	6193
JAKMIP1	0	0	0.022868	0.066076	0	0.028672	janus kinase and microtubule interacting protein 1 [Source:HGNC	chr4:60279	NM_00109	XM_01700	.	.		NP_00109	XP_011511	protein_co	ENSG0000	152789	26460
JAKMIP2	0.251065	0.128174	0.240865	0	0.04007	0.072777	janus kinase and microtubule interacting protein 2 [Source:HGNC	chr5:14696	NM_00127	XM_01701	.	.		NP_00125	XP_016865	protein_co	ENSG0000	9832	29067
JAKMIP3	0.01036	0.04159	0.017985	0.022587	0.011929	0.0333	Janus kinase and microtubule interacting protein 3 [Source:HGNC	chr10:1339	NM_00110	XM_01153	.	.		NP_00109	XP_005252	protein_co	ENSG0000	282973	23523
JAM2	0.038971	0.291131	0.016858	0.052706	0.109295	0.048264	junctional adhesion molecule 2 [Source:HGNC Symbol;Acc:HGNC:	chr21:2701	NM_00127	.	.	.		NP_00125	.	protein_co	ENSG0000	58494	14686
JAM3	0	0	0	0	0.028073	0	junctional adhesion molecule 3 [Source:HGNC Symbol;Acc:HGNC:	chr11:1339	NM_00120	.	.	.		NP_00119	.	protein_co	ENSG0000	83700	15532
JAML	0	0.04508	0	0	0.049554	0.04019	junction adhesion molecule like [Source:HGNC Symbol;Acc:HGNC	chr11:1180	NM_00109	XM_01154	.	.		NP_00109	XP_005271	protein_co	ENSG0000	120425	19084
JARID2	7.95771	8.32449	7.91185	7.42116	8.85726	9.63807	jumonji and AT-rich interaction domain containing 2 [Source:HGN	chr6:15246	NM_00126	XM_01151	.	.		NP_00125	XP_005249	protein_co	ENSG0000	3720	6196
JAZF1	1.72692	1.57731	1.67964	1.33836	1.88694	2.09565	JAZF zinc finger 1 [Source:HGNC Symbol;Acc:HGNC:28917]	chr7:27870	NM_17506	XM_01701	.	.		NP_77823	XP_006715	protein_co	ENSG0000	221895	28917
JCHAIN	0	0	0	0	0	0	joining chain of multimeric IgA and IgM [Source:HGNC Symbol;Ac	chr4:71521	NM_14464	XM_01153	.	.		NP_65324	XP_006714	protein_co	ENSG0000	3512	5713
JDP2	8.69964	7.61982	4.95531	5.75857	3.15101	13.0816	Jun dimerization protein 2 [Source:HGNC Symbol;Acc:HGNC:1754	chr14:7589	NM_00113	XM_00672	.	.		NP_00112	XP_005267	protein_co	ENSG0000	122953	17546
JKAMP	41.8171	39.2767	44.8578	37.489	50.3863	51.9266	JNK1/MAPK8-associated membrane protein [Source:HGNC Symb	chr14:5995	NM_00109	.	.	.		NP_00109	.	protein_co	ENSG0000	51528	20184
JMJD1C	13.23	12.4147	13.2417	9.09154	12.863	16.7258	jumonji domain containing 1C [Source:HGNC Symbol;Acc:HGNC:1	chr10:6492	NM_00128	XM_01701	NR_13451	.		NP_00126	XP_011537	protein_co	ENSG0000	221037	12313
JMJD4	9.4049	11.2013	7.91328	8.25464	6.66301	4.92424	jumonji domain containing 4 [Source:HGNC Symbol;Acc:HGNC:25	chr1:22791	NM_00116	XM_01154	.	.		NP_00115	XP_011542	protein_co	ENSG0000	65094	25724
JMJD6	25.0936	24.9425	24.1592	30.061	24.2804	18.0177	arginine demethylase and lysine hydroxylase [Source:HGNC Symb	chr17:7470	NM_00108	.	.	.		NP_00107	.	protein_co	ENSG0000	23210	19355
JMJD7	7.41539	7.20898	6.12381	7.99931	8.10527	6.98048	jumonji domain containing 7 [Source:HGNC Symbol;Acc:HGNC:34	chr15:4212	NM_00111	.	.	.		NP_00110	.	protein_co	ENSG0000	100137047	34397
JMJD7-PLA2G4B	0.588726	0.648706	0.915563	0.216408	4.62E-05	0.503652	JMJD7-PLA2G4B readthrough [Source:HGNC Symbol;Acc:HGNC:3	chr15:4212	NM_00119	.	.	.		NP_00118	.	protein_co	ENSG0000	8681	34449
JMJD8	59.2085	60.432	54.9415	62.4992	53.5035	43.0621	jumonji domain containing 8 [Source:HGNC Symbol;Acc:HGNC:14	chr16:7302	NM_00100	XM_01152	NR_13665	.		NP_00100	.	protein_co	ENSG0000	339123	14148
JMY	4.6408	5.08596	4.99872	2.74892	3.23785	5.37032	junction mediating and regulatory protein, p53 cofactor [Source:	chr5:78532	NM_15240	XM_01154	.	.		NP_68961	XP_005248	protein_co	ENSG0000	133746	28916
JOSD1	38.1974	38.7612	32.0821	35.5797	34.1497	33.887	Josephin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2	chr22:3908	NM_01487	XM_00526	.	.		NP_05569	XP_005261	protein_co	ENSG0000	9929	28953
JOSD2	23.3095	23.0144	18.759	22.0206	19.5683	14.7419	Josephin domain containing 2 [Source:HGNC Symbol;Acc:HGNC:2	chr19:5100	NM_00127	XM_01152	.	.		NP_00125	XP_011524	protein_co	ENSG0000	126119	28853
JPH1	7.13332	7.73217	7.84405	7.67323	8.07178	8.18051	junctophilin 1 [Source:HGNC Symbol;Acc:HGNC:14201]	chr8:75146	NM_02064	XM_00525	.	.		NP_00130	XP_005251	protein_co	ENSG0000	56704	14201
JPH2	0.054879	0	0.047104	0	0.127557	0.020172	junctophilin 2 [Source:HGNC Symbol;Acc:HGNC:14202]	chr20:4274	NM_02043	XM_00672	.	.		NP_06516	XP_006723	protein_co	ENSG0000	57158	14202
JPH3	0.043601	0	0.018695	0	0	0	junctophilin 3 [Source:HGNC Symbol;Acc:HGNC:14203]	chr16:8763	NM_02065	.	.	.		NP_06570	.	protein_co	ENSG0000	57338	14203
JPH4	0.026632	0	0	0	0	0.029085	junctophilin 4 [Source:HGNC Symbol;Acc:HGNC:20156]	chr14:2402	NM_00114	.	.	.		NP_00113	.	protein_co	ENSG0000	84502	20156
JRK	6.50675	6.1314	4.98477	5.05309	5.26761	4.33832	Jrk helix-turn-helix protein [Source:HGNC Symbol;Acc:HGNC:6199	chr8:14373	NM_00107	XM_01151	.	.		NP_00107	XP_006716	protein_co	ENSG0000	8629	6199
JRKL	7.60206	6.90719	6.44073	4.11607	6.28622	6.89244	JRK-like [Source:HGNC Symbol;Acc:HGNC:6200]	chr11:9612	NM_00126	.	.	.		NP_00124	.	protein_co	ENSG0000	8690	6200
JSRP1	0	0	0	0	0	0	junctional sarcoplasmic reticulum protein 1 [Source:HGNC Symbo	chr19:2252	NM_14461	XM_01702	.	XR_919301		NP_65321	XP_016881	protein_co	ENSG0000	105372240	24963
JTB	115.581	110.984	79.9322	118.7	90.4624	83.3467	jumping translocation breakpoint [Source:HGNC Symbol;Acc:HGN	chr1:15393	NM_00669	.	.	.		NP_00668	.	protein_co	ENSG0000	10899	6201
JUN	26.0446	28.2896	12.8082	10.2837	10.5136	13.767	Jun proto-oncogene, AP-1 transcription factor subunit [Source:H	chr1:59246	NM_00222	.	.	.		NP_00221	.	protein_co	ENSG0000	3725	6204
JUNB	82.2357	87.5071	104.64	68.0345	60.7931	79.3648	JunB proto-oncogene, AP-1 transcription factor subunit [Source:H	chr19:1290	NM_00222	.	.	.		NP_00222	.	protein_co	ENSG0000	3726	6205
JUND	122.959	120.994	120.562	91.0766	85.0727	149.21	JunD proto-oncogene, AP-1 transcription factor subunit [Source:H	chr19:1839	NM_00128	.	.	.		NP_00127	.	protein_co	ENSG0000	3727	6206
JUP	81.8994	86.3419	82.3129	83.044	71.5199	70.9398	junction plakoglobin [Source:HGNC Symbol;Acc:HGNC:6207]	chr17:3991	NM_00223	XM_01702	.	.		NP_00222	XP_006721	protein_co	ENSG0000	3728	6207
KAAG1	0	0	0	0	0.077233	0	kidney associated antigen 1 [Source:HGNC Symbol;Acc:HGNC:210	chr6:24171	NM_18133	.	.	.		NP_85185	.	protein_co	ENSG0000	353219	21031
KALRN	0.213917	0.263809	0.256837	0.49251	0.390109	0.459445	kalirin, RhoGEF kinase [Source:HGNC Symbol;Acc:HGNC:4814]	chr3:12381	NM_00102	XM_01700	.	.		NP_00101	XP_006713	protein_co	ENSG0000	8997	4814
KANK1	4.23592	4.52217	4.90125	5.65175	5.68855	5.69956	KN motif and ankyrin repeat domains 1 [Source:HGNC Symbol;Ac	chr9:47029	NM_00125	XM_01701	.	.		NP_00124	XP_005251	protein_co	ENSG0000	23189	19309
KANK2	12.019	11.8244	11.6008	12.4526	12.688	12.7715	KN motif and ankyrin repeat domains 2 [Source:HGNC Symbol;Ac	chr19:1127	NM_00113	.	.	.		NP_00112	.	protein_co	ENSG0000	25959	29300
KANK3	8.30029	7.91174	10.0905	6.34601	5.56654	6.83953	KN motif and ankyrin repeat domains 3 [Source:HGNC Symbol;Ac	chr19:8386	NM_19847	XM_01702	.	.		NP_94087	XP_006722	protein_co	ENSG0000	256949	24796
KANK4	0.013999	0	0	0	0	0	KN motif and ankyrin repeat domains 4 [Source:HGNC Symbol;Ac	chr1:62702	NM_18171	XM_01154	.	.		NP_00130	XP_011539	protein_co	ENSG0000	163782	27263
KANSL1	18.6002	18.9565	16.9511	16.0294	15.8288	17.0293	KAT8 regulatory NSL complex subunit 1 [Source:HGNC Symbol;Ac	chr17:4410	NM_00119	XM_01152	.	.		NP_00118	XP_006721	protein_co	ENSG0000	284058	24565
KANSL1L	2.34127	2.82941	2.53584	2.33288	2.70862	2.68755	KAT8 regulatory NSL complex subunit 1 like [Source:HGNC Symbo	chr2:21086	NM_00130	XM_01700	.	.		NP_00129	XP_005246	protein_co	ENSG0000	151050	26310
KANSL2	22.295	21.2069	17.4504	26.3317	24.6781	21.3039	KAT8 regulatory NSL complex subunit 2 [Source:HGNC Symbol;Ac	chr12:4904	NM_01782	.	.	.		NP_06029	.	protein_co	ENSG0000	54934	26024
KANSL3	13.4103	13.1247	13.7589	13.184	12.5534	13.8919	KAT8 regulatory NSL complex subunit 3 [Source:HGNC Symbol;Ac	chr2:97258	NM_00111	XM_01151	NR_04765	.		NP_00110	XP_005264	protein_co	ENSG0000	55683	25473
KARS	110.051	109.153	99.5885	141.711	125.511	106.215	lysyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:6215]	chr16:7566	NM_00113	.	.	.		NP_00112	.	protein_co	ENSG0000	3735	6215
KAT14	5.76793	5.5524	5.10419	4.64759	4.95241	4.63141	lysine acetyltransferase 14 [Source:HGNC Symbol;Acc:HGNC:159	chr20:1811	NM_02053	.	.	.		NP_06539	.	protein_co	ENSG0000	57325	15904
KAT2A	19.7666	18.5931	20.2762	20.1019	18.8178	10.1551	lysine acetyltransferase 2A [Source:HGNC Symbol;Acc:HGNC:420	chr17:4026	NM_02107	XM_01702	.	.		NP_06656	XP_006721	protein_co	ENSG0000	2648	4201

KAT2B	1.4484	1.20135	2.00077	1.46656	2.16138	1.89508	lysine acetyltransferase 2B [Source:HGNC Symbol;Acc:HGNC:863	chr3:20081	NM_00388	XM_01153	.	.	NP_00387	XP_005265	protein_co	ENSG0000	8850	8638
KAT5	27.9253	28.627	21.5177	26.2823	23.4343	23.4772	lysine acetyltransferase 5 [Source:HGNC Symbol;Acc:HGNC:5275]	chr11:6547	NM_00120	XM_00671	.	.	NP_00119	XP_006718	protein_co	ENSG0000	10524	5275
KAT6A	8.91512	9.06551	8.71203	7.63681	9.05322	8.79001	lysine acetyltransferase 6A [Source:HGNC Symbol;Acc:HGNC:130	chr8:41786	NM_00109	XM_01701	.	.	NP_00109	XP_011542	protein_co	ENSG0000	7994	13013
KAT6B	3.00672	3.55308	2.97651	2.35997	2.78595	3.21924	lysine acetyltransferase 6B [Source:HGNC Symbol;Acc:HGNC:175	chr10:7658	NM_00125	XM_01701	.	.	NP_00124	XP_005269	protein_co	ENSG0000	23522	17582
KAT7	19.8793	20.1233	17.6962	21.4773	19.7439	22.8277	lysine acetyltransferase 7 [Source:HGNC Symbol;Acc:HGNC:1701	chr17:4778	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	11143	17016
KAT8	20.2285	19.7324	14.9048	22.7098	18.8645	17.2407	lysine acetyltransferase 8 [Source:HGNC Symbol;Acc:HGNC:1793	chr16:3112	NM_03218	XM_01154	.	.	NP_11556	.	protein_co	ENSG0000	84148	17933
KATNA1	13.3338	12.1554	12.0535	14.6821	14.6524	14.7107	katanin catalytic subunit A1 [Source:HGNC Symbol;Acc:HGNC:621	chr6:14991	NM_00120	XM_01153	.	.	NP_00119	XP_005266	protein_co	ENSG0000	11104	6216
KATNAL1	2.95565	3.55039	2.88987	4.28994	3.93143	4.61691	katanin catalytic subunit A1 like 1 [Source:HGNC Symbol;Acc:HGN	chr13:3077	NM_00101	XM_01702	.	.	NP_00101	XP_005266	protein_co	ENSG0000	84056	28361
KATNAL2	0.616971	0.722633	0.780405	0.42374	0.394528	0.518463	katanin catalytic subunit A1 like 2 [Source:HGNC Symbol;Acc:HGN	chr18:4438	NM_03130	XM_01152	.	.	NP_11259	XP_005258	protein_co	ENSG0000	83473	25387
KATNB1	13.6734	13.9371	15.332	12.0806	11.682	11.5631	katanin regulatory subunit B1 [Source:HGNC Symbol;Acc:HGNC:6	chr16:5776	NM_00588	XM_01702	.	.	NP_00587	XP_005255	protein_co	ENSG0000	10300	6217
KATNBL1	6.55217	6.80239	6.52563	8.90784	8.68233	9.76225	katanin regulatory subunit B1 like 1 [Source:HGNC Symbol;Acc:H	chr15:3443	NM_02471	XM_01702	.	.	NP_07898	XP_005254	protein_co	ENSG0000	79768	26199
KAZALD1	1.67621	2.54015	2.15385	1.324	1.0245	1.23578	Kazal type serine peptidase inhibitor domain 1 [Source:HGNC Sym	chr10:1028	NM_03092	XM_01154	NR_13506	.	NP_11219	XP_005270	protein_co	ENSG0000	81621	25460
KAZN	6.67248	6.42608	8.37699	7.24154	7.93283	5.7628	kazrin, periplakin interacting protein [Source:HGNC Symbol;Acc:H	chr1:14219	NM_00101	XM_01154	.	.	NP_00101	XP_005245	protein_co	ENSG0000	23254	29173
KBTBD11	3.41089	2.93553	4.05712	2.8807	4.13919	4.50702	kelch repeat and BTB domain containing 11 [Source:HGNC Symbo	chr8:19220	NM_01486	XM_01701	.	.	NP_05568	XP_005266	protein_co	ENSG0000	9920	29104
KBTBD12	0	0	0	0	0	0	kelch repeat and BTB domain containing 12 [Source:HGNC Symbo	chr3:12763	NM_20733	XM_01151	.	.	NP_99721	XP_005247	protein_co	ENSG0000	166348	25731
KBTBD13	0	0	0	0	0	0	kelch repeat and BTB domain containing 13 [Source:HGNC Symbo	chr15:6536	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	390594	37227
KBTBD2	13.9138	13.0459	13.1988	11.3146	13.7202	20.3696	kelch repeat and BTB domain containing 2 [Source:HGNC Symbol	chr7:32907	NM_01548	XM_01151	.	.	NP_05629	XP_005249	protein_co	ENSG0000	25948	21751
KBTBD3	1.55835	1.81496	2.79171	1.40036	1.55616	1.53196	kelch repeat and BTB domain containing 3 [Source:HGNC Symbol	chr11:1059	NM_15243	XM_01154	.	.	NP_68964	XP_006718	protein_co	ENSG0000	143879	22934
KBTBD4	13.1414	15.3236	11.5566	13.5827	11.5663	9.47107	kelch repeat and BTB domain containing 4 [Source:HGNC Symbol	chr11:4758	NM_00131	XM_01152	.	.	NP_00130	XP_011518	protein_co	ENSG0000	55709	23761
KBTBD6	6.57782	8.20309	6.56018	7.24187	7.73787	6.3544	kelch repeat and BTB domain containing 6 [Source:HGNC Symbol	chr13:4170	NM_15290	.	.	.	NP_69086	.	protein_co	ENSG0000	89890	25340
KBTBD7	3.74791	4.30065	3.08924	2.89984	3.27552	3.37168	kelch repeat and BTB domain containing 7 [Source:HGNC Symbol	chr13:4176	NM_03213	.	.	.	NP_11551	.	protein_co	ENSG0000	84078	25266
KBTBD8	2.49463	1.51711	1.15035	1.80078	2.19216	1.49922	kelch repeat and BTB domain containing 8 [Source:HGNC Symbol	chr3:67048	NM_03250	.	.	.	NP_11589	.	protein_co	ENSG0000	84541	30691
KCMF1	11.5214	11.8888	8.9745	12.0417	11.5403	11.4142	potassium channel modulatory factor 1 [Source:HGNC Symbol;Ac	chr2:85198	NM_02012	.	.	.	NP_06450	XP_006712	protein_co	ENSG0000	56888	20589
KCNA1	0	0	0	0	0	0	potassium voltage-gated channel subfamily A member 1 [Source:	chr12:5019	NM_00021	.	.	.	NP_00020	.	protein_co	ENSG0000	3736	6218
KCNA10	0	0	0	0	0	0	potassium voltage-gated channel subfamily A member 10 [Source	chr1:11105	NM_00554	.	.	.	NP_00554	.	protein_co	ENSG0000	3744	6219
KCNA2	0	0	0	0.007338	0	0	potassium voltage-gated channel subfamily A member 2 [Source:	chr1:11113	NM_00120	XM_01700	.	.	NP_00119	XP_011539	protein_co	ENSG0000	3737	6220
KCNA3	0	0	0	0	0	0	potassium voltage-gated channel subfamily A member 3 [Source:	chr1:11121	NM_00223	.	.	.	NP_00222	.	protein_co	ENSG0000	3738	6221
KCNA4	0	0.019559	0	0	0	0	potassium voltage-gated channel subfamily A member 4 [Source:	chr11:3003	NM_00223	.	.	.	NP_00222	.	protein_co	ENSG0000	3739	6222
KCNA5	0	0	0	0	0	0	potassium voltage-gated channel subfamily A member 5 [Source:	chr12:5153	NM_00223	.	.	.	NP_00222	.	protein_co	ENSG0000	3741	6224
KCNA6	0	0	0	0	0	0	potassium voltage-gated channel subfamily A member 6 [Source:	chr12:4918	.	XM_01152	.	.	.	XP_011519	protein_co	ENSG0000	3742	6225
KCNA7	0.017243	0	0.014974	0	0	0	potassium voltage-gated channel subfamily A member 7 [Source:	chr19:4957	NM_03188	.	.	.	NP_11409	.	protein_co	ENSG0000	3743	6226
KCNAB1	0.201399	0.173133	0.052966	0.190712	0.056749	0.077376	potassium voltage-gated channel subfamily A member regulatory	chr3:15583	NM_00130	XM_01151	.	.	NP_00129	XP_005247	protein_co	ENSG0000	7881	6228
KCNAB2	8.96426	8.10802	7.12443	7.24876	7.00536	4.6365	potassium voltage-gated channel subfamily A regulatory beta sub	chr1:59228	NM_00119	XM_01154	.	.	NP_00118	XP_005263	protein_co	ENSG0000	8514	6229
KCNAB3	0.784853	0.603566	0.679801	1.03112	0.827123	1.16394	potassium voltage-gated channel subfamily A regulatory beta sub	chr17:7825	NM_00473	XM_01152	.	.	NP_00472	XP_011522	protein_co	ENSG0000	9196	6230
KCNB1	0.284034	0.337458	0.30205	0.16467	0.06901	0.172673	potassium voltage-gated channel subfamily B member 1 [Source:	chr20:4798	NM_00497	XM_01152	.	.	NP_00496	XP_006723	protein_co	ENSG0000	3745	6231
KCNB2	0	0	0	0	0	0	potassium voltage-gated channel subfamily B member 2 [Source:	chr8:73449	NM_00477	.	.	.	NP_00476	.	protein_co	ENSG0000	9312	6232
KCNC1	0.076267	0.051687	0.043569	0.103325	0.13375	0.029706	potassium voltage-gated channel subfamily C member 1 [Source:	chr11:1775	NM_00111	.	.	.	NP_00110	XP_011518	protein_co	ENSG0000	3746	6233
KCNC2	0	0	0	0	0	0	potassium voltage-gated channel subfamily C member 2 [Source:	chr12:7543	NM_00126	XM_00671	.	.	NP_00124	XP_006719	protein_co	ENSG0000	3747	6234
KCNC3	2.30201	0.922228	1.44339	1.25674	1.59231	1.34866	potassium voltage-gated channel subfamily C member 3 [Source:	chr19:5081	NM_00497	XM_01152	.	.	NP_00496	XP_006723	protein_co	ENSG0000	3748	6235
KCNC4	1.96339	2.08739	2.16468	1.18065	1.25316	0.904507	potassium voltage-gated channel subfamily C member 4 [Source:	chr1:11075	NM_00103	XM_00671	.	.	NP_00103	XP_006710	protein_co	ENSG0000	3749	6236
KCND1	1.77983	1.64049	2.14872	2.5638	1.9981	3.54329	potassium voltage-gated channel subfamily D member 1 [Source:	chrX:48818	NM_00497	XM_01154	.	.	NP_00497	XP_011542	protein_co	ENSG0000	3750	6237
KCND2	0	0	0	0	0	0	potassium voltage-gated channel subfamily D member 2 [Source:	chr7:11991	NM_01228	.	.	.	NP_03641	.	protein_co	ENSG0000	3751	6238
KCND3	0.330037	0.363702	0.32844	0.305554	0.297087	0.473263	potassium voltage-gated channel subfamily D member 3 [Source:	chr1:11231	NM_00498	XM_00671	.	.	NP_00497	XP_005270	protein_co	ENSG0000	3752	6239
KCNE1	0.000104	0	0.000228	0	0.001347	0	potassium voltage-gated channel subfamily E regulatory subunit	chr21:3581	NM_00021	.	.	.	NP_00021	.	protein_co	ENSG0000	3753	6240
KCNE1B	0.023185	0	0.040218	0	0.051515	0	potassium voltage-gated channel subfamily E regulatory subunit	chr21:3581	.	XM_00672	.	.	.	XP_006724	protein_co	ENSG0000	102723475	52280
KCNE2	0	0	0.059263	0	0	0	potassium voltage-gated channel subfamily E regulatory subunit	chr21:3573	NM_17220	.	.	.	NP_75195	.	protein_co	ENSG0000	9992	6242
KCNE3	0	0	0	0	0	0	potassium voltage-gated channel subfamily E regulatory subunit	chr11:7416	NM_00547	.	.	.	NP_00546	XP_016872	protein_co	ENSG0000	10008	6243
KCNE4	0.025398	0	0	0	0	0	potassium voltage-gated channel subfamily E regulatory subunit	chr2:22391	NM_08067	.	.	.	NP_54240	.	protein_co	ENSG0000	23704	6244
KCNE5	0.281936	0.5603	0.181219	0.301539	0.242965	0.230363	potassium voltage-gated channel subfamily E regulatory subunit	chrX:10886	NM_01228	.	.	.	NP_03641	.	protein_co	ENSG0000	23630	6241
KCNF1	0.61033	0.549054	0.519163	0.862053	1.48734	0.831691	potassium voltage-gated channel modifier subfamily F member 1	chr2:11052	NM_00223	.	.	.	NP_00222	.	protein_co	ENSG0000	3754	6246
KCNG1	15.5886	16.1959	13.0812	20.069	17.6855	39.3572	potassium voltage-gated channel modifier subfamily G member 1	chr20:4962	NM_00223	XM_01152	.	.	NP_00222	XP_006723	protein_co	ENSG0000	3755	6248
KCNG2	0	0	0	0	0	0	potassium voltage-gated channel modifier subfamily G member 2	chr18:7762	NM_01228	XM_01152	.	.	NP_03641	XP_011524	protein_co	ENSG0000	26251	6249
KCNG3	0.377611	0.489091	0.74678	0.391942	0.290499	0.567757	potassium voltage-gated channel modifier subfamily G member 3	chr2:42669	NM_13332	.	.	.	NP_57987	.	protein_co	ENSG0000	170850	18306
KCNG4	0	0	0	0	0	0	potassium voltage-gated channel modifier subfamily G member 4	chr16:8425	NM_17234	.	.	.	NP_75885	.	protein_co	ENSG0000	93107	19697
KCNH1	0.008991	0	0	0	0	0	potassium voltage-gated channel subfamily H member 1 [Source:	chr1:21085	NM_00223	.	.	.	NP_00222	.	protein_co	ENSG0000	3756	6250
KCNH2	6.73652	6.75724	7.32782	6.26585	5.79892	3.38006	potassium voltage-gated channel subfamily H member 2 [Source:	chr7:15064	NM_00023	.	.	.	NP_00022	XP_011514	protein_co	ENSG0000	3757	6251
KCNH3	15.678	15.3476	18.5372	24.6417	22.4968	20.5798	potassium voltage-gated channel subfamily H member 3 [Source:	chr12:4993	NM_00131	XM_01153	.	.	NP_00130	XP_011536	protein_co	ENSG0000	23416	6252
KCNH4	0.024871	0.024478	0	0	0	0	potassium voltage-gated channel subfamily H member 4 [Source:	chr17:4030	NM_01228	.	.	.	NP_03641	XP_016879	protein_co	ENSG0000	23415	6253
KCNH5	0	0	0	0	0	0	potassium voltage-gated channel subfamily H member 5 [Source:	chr14:6316	NM_13931	XM_01153	.	.	NP_64747	.	protein_co	ENSG0000	27133	6254

KCNH6	0	0	0	0.029697	0	0	potassium voltage-gated channel subfamily H member 6 [Source:	chr17:6160	NM_00127	XM_01702	.	.	NP_00126	XP_011523	protein_co	ENSG0000	81033	18862
KCNH7	0	0	0	0	0	0	potassium voltage-gated channel subfamily H member 7 [Source:	chr2:16322	NM_03327	XM_01700	.	.	NP_15037	XP_011510	protein_co	ENSG0000	90134	18863
KCNH8	0.193474	0.278089	0.516952	0.078179	0.092038	0.234303	potassium voltage-gated channel subfamily H member 8 [Source:	chr3:19189	NM_14463	XM_01153	.	.	NP_65323	XP_011531	protein_co	ENSG0000	131096	18864
KCNIP1	0	0	0	0	0	0	potassium voltage-gated channel interacting protein 1 [Source:H	chr5:16978	NM_00103	XM_00671	.	.	NP_00103	XP_016864	protein_co	ENSG0000	30820	15521
KCNIP2	2.01577	1.688	2.64784	1.03913	0.958872	1.49515	potassium voltage-gated channel interacting protein 2 [Source:H	chr10:1035	NM_01459	XM_01701	.	.	NP_05540	XP_005269	protein_co	ENSG0000	30819	15522
KCNIP3	1.77915	1.44934	1.15942	1.1372	0.832096	0.929165	potassium voltage-gated channel interacting protein 3 [Source:H	chr2:95963	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	30818	15523
KCNIP4	0	0	0	0	0	0	potassium voltage-gated channel interacting protein 4 [Source:H	chr4:20702	NM_00103	XM_01151	.	.	NP_00103	XP_005248	protein_co	ENSG0000	80333	30083
KCNJ1	0.082091	0.043394	0.072226	0.046344	0	0.163106	potassium voltage-gated channel subfamily J member 1 [Source:H	chr11:1287	NM_00022	.	.	.	NP_00021	.	protein_co	ENSG0000	3758	6255
KCNJ10	0.056339	0.044322	0.061208	0	0.065831	0.059861	potassium voltage-gated channel subfamily J member 10 [Source	chr1:15996	NM_00224	.	.	.	NP_00223	.	protein_co	ENSG0000	3766	6256
KCNJ11	3.51594	3.31862	3.50021	3.36349	3.26704	3.21264	potassium voltage-gated channel subfamily J member 11 [Source	chr11:1740	NM_00052	XM_00671	.	.	NP_00051	XP_006718	protein_co	ENSG0000	3767	6257
KCNJ12	4.7217	4.54703	5.395	5.29173	5.42493	4.30769	potassium voltage-gated channel subfamily J member 12 [Source	chr17:2127	NM_02101	XM_01152	.	.	NP_06629	XP_005256	protein_co	ENSG0000	3768	6258
KCNJ13	0	0	0	0	0	0	potassium voltage-gated channel subfamily J member 13 [Source	chr2:23356	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	3769	6259
KCNJ14	1.26136	1.39241	1.18357	0.860221	1.07001	1.11405	potassium voltage-gated channel subfamily J member 14 [Source	chr19:4894	NM_01334	.	.	.	NP_03748	.	protein_co	ENSG0000	3770	6260
KCNJ15	0	0	0	0	0	0	potassium voltage-gated channel subfamily J member 15 [Source	chr21:3962	NM_00127	XM_01152	.	.	NP_00126	XP_005261	protein_co	ENSG0000	3772	6261
KCNJ16	0	0	0	0	0	0	potassium voltage-gated channel subfamily J member 16 [Source	chr17:6807	NM_00127	XM_01702	.	.	NP_00125	XP_005257	protein_co	ENSG0000	3773	6262
KCNJ2	0.042734	0.032925	0.146713	0	0	0	potassium voltage-gated channel subfamily J member 2 [Source:H	chr17:6816	NM_00089	XM_01152	.	.	NP_00088	XP_011523	protein_co	ENSG0000	3759	6263
KCNJ3	0	0	0	0	0	0	potassium voltage-gated channel subfamily J member 3 [Source:H	chr2:15555	NM_00126	.	.	.	NP_00124	.	protein_co	ENSG0000	3760	6264
KCNJ4	0.085102	0.040994	0.217695	0.09019	0	0.096321	potassium voltage-gated channel subfamily J member 4 [Source:H	chr22:3882	NM_00498	.	.	.	NP_00497	.	protein_co	ENSG0000	3761	6265
KCNJ5	0.070813	0.050213	0.249989	0.171326	0.081265	0.523857	potassium voltage-gated channel subfamily J member 5 [Source:H	chr11:1287	NM_00089	XM_01154	.	.	NP_00088	XP_011541	protein_co	ENSG0000	3762	6266
KCNJ6	0	0	0	0	0	0	potassium voltage-gated channel subfamily J member 6 [Source:H	chr21:3897	NM_00224	XM_01152	.	.	NP_00223	XP_011527	protein_co	ENSG0000	3763	6267
KCNJ8	0	0	0	0	0	0	potassium voltage-gated channel subfamily J member 8 [Source:H	chr12:2191	NM_00498	XM_01701	.	.	NP_00497	XP_005253	protein_co	ENSG0000	3764	6269
KCNJ9	0.014507	0.02915	0.012671	0	0.016689	0.062088	potassium voltage-gated channel subfamily J member 9 [Source:H	chr1:16005	NM_00498	XM_01150	.	.	NP_00497	XP_011507	protein_co	ENSG0000	3765	6270
KCNK1	20.8873	20.8531	17.2332	17.4382	15.6677	16.1467	potassium two pore domain channel subfamily K member 1 [Sour	chr1:23374	NM_00224	.	.	.	NP_00223	.	protein_co	ENSG0000	3775	6272
KCNK10	0.009909	0	0	0	0.031695	0	potassium two pore domain channel subfamily K member 10 [Sou	chr14:8864	NM_02116	.	.	.	NP_06698	.	protein_co	ENSG0000	54207	6273
KCNK12	0	0	0	0	0	0	potassium two pore domain channel subfamily K member 12 [Sou	chr2:47743	NM_02205	.	.	.	NP_07133	.	protein_co	ENSG0000	56660	6274
KCNK13	2.04689	3.43897	3.05356	2.80817	2.21736	2.46918	potassium two pore domain channel subfamily K member 13 [Sou	chr14:9052	NM_02205	.	.	.	NP_07133	.	protein_co	ENSG0000	56659	6275
KCNK15	0	0	0	0	0	0	potassium two pore domain channel subfamily K member 15 [Sou	chr20:4337	NM_02235	.	.	.	NP_07175	.	protein_co	ENSG0000	60598	13814
KCNK16	0	0	0	0	0	0	potassium two pore domain channel subfamily K member 16 [Sou	chr6:39282	NM_00113	XM_01151	.	.	NP_00112	XP_011513	protein_co	ENSG0000	83795	14464
KCNK17	0	0	0	0	0	0	potassium two pore domain channel subfamily K member 17 [Sou	chr6:39266	NM_00113	XM_00671	.	.	NP_00112	.	protein_co	ENSG0000	89822	14465
KCNK18	0	0	0	0	0	0	potassium two pore domain channel subfamily K member 18 [Sou	chr10:1189	NM_18184	.	.	.	NP_86282	.	protein_co	ENSG0000	338567	19439
KCNK2	0	0	0.090986	0	0	0	potassium two pore domain channel subfamily K member 2 [Sour	chr1:21517	NM_00101	XM_01150	.	.	NP_00101	XP_011507	protein_co	ENSG0000	3776	6277
KCNK3	0.397925	0.534205	0.154517	0.399721	0.44047	0.494976	potassium two pore domain channel subfamily K member 3 [Sour	chr2:26915	NM_00224	XM_00526	.	.	NP_00223	XP_005264	protein_co	ENSG0000	3777	6278
KCNK4	0.142336	0	0	0	0	0	potassium two pore domain channel subfamily K member 4 [Sour	chr11:6405	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	50801	6279
KCNK5	5.39095	4.96293	5.10043	5.38882	5.23317	3.36567	potassium two pore domain channel subfamily K member 5 [Sour	chr6:39156	NM_00374	XM_00524	.	.	NP_00373	XP_005249	protein_co	ENSG0000	8645	6280
KCNK6	5.39735	6.24685	6.31951	6.59056	5.96867	4.97594	potassium two pore domain channel subfamily K member 6 [Sour	chr19:3881	NM_00482	.	.	.	NP_00481	.	protein_co	ENSG0000	9424	6281
KCNK7	0.358173	0	0.453195	0.662394	0.207363	0.787082	potassium two pore domain channel subfamily K member 7 [Sour	chr11:6536	NM_00571	.	.	.	NP_00570	.	protein_co	ENSG0000	10089	6282
KCNK9	0	0	0	0	0.09224	0.086912	potassium two pore domain channel subfamily K member 9 [Sour	chr8:14062	NM_00128	XM_01151	.	.	NP_00126	XP_011515	protein_co	ENSG0000	51305	6283
KCNMA1	0	0	0.040395	0.03209	0	0.014369	potassium calcium-activated channel subfamily M alpha 1 [Sourc	chr10:7863	NM_00101	XM_01701	.	.	NP_00101	XP_005269	protein_co	ENSG0000	3778	6284
KCNMB1	0	0	0	0	0	0	potassium calcium-activated channel subfamily M regulatory beta	chr5:16978	NM_00413	.	.	.	NP_00412	.	protein_co	ENSG0000	3779	6285
KCNMB2	0	0	0	0	0	0	potassium calcium-activated channel subfamily M regulatory beta	chr3:17813	NM_00127	XM_01151	.	.	NP_00126	XP_011510	protein_co	ENSG0000	10242	6286
KCNMB3	0	0	0	0	0	0	potassium calcium-activated channel subfamily M regulatory beta	chr3:17886	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	27094	6287
KCNMB4	3.0208	2.63045	3.15518	3.1297	3.10523	2.98628	potassium calcium-activated channel subfamily M regulatory beta	chr12:7076	NM_01450	.	.	.	NP_05532	.	protein_co	ENSG0000	27345	6289
KCNN1	0.361555	0.325658	0.285021	0.171726	0.22044	0.264368	potassium calcium-activated channel subfamily N member 1 [Sou	chr19:1806	NM_00224	XM_01152	.	.	NP_00223	XP_005259	protein_co	ENSG0000	3780	6290
KCNN2	0	0.048546	0	0	0.051979	0	potassium calcium-activated channel subfamily N member 2 [Sou	chr5:11369	NM_00127	XM_01154	.	.	NP_00126	XP_011541	protein_co	ENSG0000	3781	6291
KCNN3	0.085211	0.230356	0.375657	0.296607	0.067838	0.292678	potassium calcium-activated channel subfamily N member 3 [Sou	chr1:15466	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	3782	6292
KCNN4	22.0958	24.2077	31.1207	24.0538	20.2489	17.815	potassium calcium-activated channel subfamily N member 4 [Sou	chr19:4427	NM_00225	XM_00525	.	.	NP_00224	XP_005258	protein_co	ENSG0000	3783	6293
KCNQ1	2.86214	2.58291	4.35487	2.80811	2.73379	4.05487	potassium voltage-gated channel subfamily Q member 1 [Source:	chr11:2466	NM_00021	.	.	.	NP_00020	.	protein_co	ENSG0000	3784	6294
KCNQ2	38.2213	39.2537	41.5386	51.7924	43.8577	37.0124	potassium voltage-gated channel subfamily Q member 2 [Source:	chr20:6203	NM_00451	XM_01702	.	.	NP_00450	XP_011527	protein_co	ENSG0000	3785	6296
KCNQ3	0.050881	0.057603	0.042496	0.146449	0.123789	0.16008	potassium voltage-gated channel subfamily Q member 3 [Source:	chr8:13313	NM_00120	XM_01151	.	.	NP_00119	XP_005250	protein_co	ENSG0000	3786	6297
KCNQ4	2.63519	2.13732	3.09133	2.09633	2.30668	2.25328	potassium voltage-gated channel subfamily Q member 4 [Source:	chr1:41249	NM_00470	.	.	.	NP_00469	.	protein_co	ENSG0000	9132	6298
KCNQ5	0.075164	0	0	0	0	0	potassium voltage-gated channel subfamily Q member 5 [Source:	chr6:73331	NM_00116	XM_01153	.	.	NP_00115	.	protein_co	ENSG0000	56479	6299
KCNRG	2.46954	2.0355	2.04146	1.58981	2.30581	2.09377	potassium channel regulator [Source:HGNC Symbol;Acc:HGNC:18	chr13:5057	NM_17360	.	.	.	NP_77587	.	protein_co	ENSG0000	283518	18893
KCNS1	0	0	0	0	0	0	potassium voltage-gated channel modifier subfamily S member 1	chr20:4372	NM_00225	XM_00526	.	.	NP_00130	XP_005260	protein_co	ENSG0000	3787	6300
KCNS2	0	0	0	0	0	0	potassium voltage-gated channel modifier subfamily S member 2	chr8:99439	NM_02069	.	.	.	NP_06574	.	protein_co	ENSG0000	3788	6301
KCNS3	4.89151	4.17898	6.02552	4.55682	4.51267	4.36884	potassium voltage-gated channel modifier subfamily S member 3	chr2:18059	NM_00128	XM_01700	.	.	NP_00126	XP_011531	protein_co	ENSG0000	3790	6302
KCNT1	0	0.019046	0.014089	0	0	0.01849	potassium sodium-activated channel subfamily T member 1 [Sour	chr9:13859	NM_00127	XM_01151	.	.	NP_00125	XP_011517	protein_co	ENSG0000	57582	18865
KCNT2	0	0	0	0	0	0	potassium sodium-activated channel subfamily T member 2 [Sour	chr1:19619	NM_00128	XM_01150	.	.	NP_00127	XP_006711	protein_co	ENSG0000	343450	18866
KCNU1	0	0	0	0	0	0	potassium calcium-activated channel subfamily U member 1 [Sou	chr8:36641	NM_00103	XM_01154	.	.	NP_00102	XP_011542	protein_co	ENSG0000	157855	18867
KCNV1	0	0	0	0	0	0	potassium voltage-gated channel modifier subfamily V member 1	chr8:11097	NM_01437	XM_00525	.	.	NP_05519	XP_005250	protein_co	ENSG0000	27012	18861

KCNV2	0	0	0	0	0	0	potassium voltage-gated channel modifier subfamily V member 2	chr9:27175	NM_13349	.	.	.	NP_598004	.	protein_co	ENSG0000(	169522	19698
KCP	0.044674	0.057808	0.193964	0.019959	0.184862	0.043563	kielin/chordin-like protein [Source:HGNC Symbol;Acc:HGNC:1758	chr7:12851	NM_00113	XM_01701	.	.	NP_00112	XP_016867	protein_co	ENSG0000(	375616	17585
KCTD1	6.61198	6.35628	5.21335	6.50645	7.1179	5.58707	potassium channel tetramerization domain containing 1 [Source:	chr18:2403	NM_00113	.	.	.	NP_00112	XP_016881	protein_co	ENSG0000(	284252	18249
KCTD10	18.0007	17.1286	20.2094	19.5588	19.3243	19.6338	potassium channel tetramerization domain containing 10 [Source	chr12:1098	NM_00131	XM_00525	.	.	NP_00130	.	protein_co	ENSG0000(	83892	23236
KCTD11	6.51379	7.37775	5.77476	6.46532	5.86893	4.8138	potassium channel tetramerization domain containing 11 [Source	chr17:7255	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000(	147040	21302
KCTD12	1.17265	1.57789	1.38247	1.10939	1.39275	0.646111	potassium channel tetramerization domain containing 12 [Source	chr13:7745	NM_13844	.	.	.	NP_61245	.	protein_co	ENSG0000(	115207	14678
KCTD13	6.89874	7.06236	8.48592	7.96566	7.21356	7.72988	potassium channel tetramerization domain containing 13 [Source	chr16:2991	NM_17886	XM_01154	.	.	NP_84919	XP_011544	protein_co	ENSG0000(	253980	22234
KCTD14	14.6156	12.4482	14.7856	18.2841	16.4074	17.1005	potassium channel tetramerization domain containing 14 [Source	chr11:7772	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000(	65987	23295
KCTD15	10.1068	9.32521	8.33314	9.31751	7.93751	8.14194	potassium channel tetramerization domain containing 15 [Source	chr19:3428	NM_00112	XM_01152	.	.	NP_00112	XP_011525	protein_co	ENSG0000(	79047	23297
KCTD16	0.057573	0.074266	0.205766	0.168826	0.226034	0.261885	potassium channel tetramerization domain containing 16 [Source	chr5:14355	NM_02076	XM_01153	.	.	NP_06581	XP_005268	protein_co	ENSG0000(	57528	29244
KCTD17	9.11181	7.30146	9.34958	6.45727	5.92204	5.19529	potassium channel tetramerization domain containing 17 [Source	chr22:3744	NM_00128	XM_00526	.	.	NP_00126	XP_005261	protein_co	ENSG0000(	79734	25705
KCTD18	6.36689	7.7197	7.885	5.7742	5.39414	6.84283	potassium channel tetramerization domain containing 18 [Source	chr2:20135	NM_00132	XM_01151	.	.	NP_00130	XP_005246	protein_co	ENSG0000(	130535	26446
KCTD19	0	0	0.018767	0	0	0	potassium channel tetramerization domain containing 19 [Source	chr16:6731	NM_00110	XM_01152	.	.	NP_00109	.	protein_co	ENSG0000(	146212	24753
KCTD2	16.504	18.6301	17.9889	19.1209	17.0774	15.9601	potassium channel tetramerization domain containing 2 [Source:	chr17:7302	NM_01535	.	.	.	NP_05616	.	protein_co	ENSG0000(	23510	21294
KCTD20	14.4025	14.0082	14.8817	11.2764	12.9512	14.64	potassium channel tetramerization domain containing 20 [Source	chr6:36358	NM_00128	XM_01151	.	.	NP_00127	XP_005248	protein_co	ENSG0000(	222658	21052
KCTD21	2.43164	2.71279	2.65089	2.24909	2.22604	2.54969	potassium channel tetramerization domain containing 21 [Source	chr11:7788	NM_00102	XM_01154	.	.	NP_00102	XP_005273	protein_co	ENSG0000(	283219	27452
KCTD3	23.4723	22.9819	24.0532	14.9832	16.4766	14.4079	potassium channel tetramerization domain containing 3 [Source:	chr1:21574	NM_00131	XM_00527	.	.	NP_00130	XP_005273	protein_co	ENSG0000(	51133	21305
KCTD4	0	0	0	0	0	0	potassium channel tetramerization domain containing 4 [Source:	chr13:4569	NM_19840	XM_01153	.	.	NP_94068	XP_011533	protein_co	ENSG0000(	386618	23227
KCTD5	39.9595	41.0523	38.2758	44.5207	42.451	35.1809	potassium channel tetramerization domain containing 5 [Source:	chr16:2732	NM_01899	.	.	.	NP_06186	.	protein_co	ENSG0000(	54442	21423
KCTD6	10.3178	8.94405	8.85098	9.18066	10.6212	10.389	potassium channel tetramerization domain containing 6 [Source:	chr3:58477	NM_00112	XM_00526	.	.	NP_00112	XP_005264	protein_co	ENSG0000(	200845	22235
KCTD7	2.57775	2.53321	1.91716	1.94657	1.49124	1.18493	potassium channel tetramerization domain containing 7 [Source:	chr7:66093	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000(	154881	21957
KCTD8	0	0	0	0	0	0	potassium channel tetramerization domain containing 8 [Source:	chr4:44175	NM_19835	.	.	.	NP_93816	.	protein_co	ENSG0000(	386617	22394
KCTD9	15.5847	14.8804	16.5909	16.2882	19.0947	22.727	potassium channel tetramerization domain containing 9 [Source:	chr8:25285	NM_01763	XM_00527	.	.	NP_06010	.	protein_co	ENSG0000(	54793	22401
KDELC1	5.18252	5.12749	4.08897	4.69036	5.32859	4.40515	KDEL motif containing 1 [Source:HGNC Symbol;Acc:HGNC:19350]	chr13:1034	NM_02408	XM_00525	.	.	NP_07699	XP_005254	protein_co	ENSG0000(	79070	19350
KDELC2	10.8171	10.5885	10.1148	10.1558	13.3938	14.6698	KDEL motif containing 2 [Source:HGNC Symbol;Acc:HGNC:28496]	chr11:1083	NM_15370	XM_01154	.	.	NP_71491	XP_011540	protein_co	ENSG0000(	143888	28496
KDELR1	189.336	191.126	175.475	206.65	178.601	169.622	KDEL endoplasmic reticulum protein retention receptor 1 [Source	chr19:4888	NM_00680	.	.	.	NP_00679	.	protein_co	ENSG0000(	10945	6304
KDELR2	82.7407	85.3067	79.6621	83.567	83.1773	69.012	KDEL endoplasmic reticulum protein retention receptor 2 [Source	chr7:64487	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000(	11014	6305
KDELR3	31.2971	27.4603	33.4084	26.8789	31.076	34.5509	KDEL endoplasmic reticulum protein retention receptor 3 [Source	chr22:3886	NM_00685	.	.	.	NP_00684	.	protein_co	ENSG0000(	11015	6306
KDF1	12.5338	13.7784	13.7142	16.5473	15.3313	13.1152	keratinocyte differentiation factor 1 [Source:HGNC Symbol;Acc:H	chr1:27276	NM_15236	XM_01154	.	.	NP_68957	XP_005245	protein_co	ENSG0000(	126695	26624
KDM1A	87.8446	88.7635	84.3565	120.404	110.834	100.071	lysine demethylase 1A [Source:HGNC Symbol;Acc:HGNC:29079]	chr1:23345	NM_00100	XM_00671	.	.	NP_00100	XP_005245	protein_co	ENSG0000(	23028	29079
KDM1B	7.41608	7.6768	8.3172	6.61516	7.01607	7.83225	lysine demethylase 1B [Source:HGNC Symbol;Acc:HGNC:21577]	chr6:18155	NM_15304	XM_01151	.	.	NP_69458	XP_005248	protein_co	ENSG0000(	221656	21577
KDM2A	20.0513	20.5842	18.8623	20.8321	21.092	16.8995	lysine demethylase 2A [Source:HGNC Symbol;Acc:HGNC:13606]	chr11:6688	NM_00125	XM_01701	.	.	NP_00124	XP_006718	protein_co	ENSG0000(	22992	13606
KDM2B	17.7847	17.8921	16.8825	17.5053	20.9461	16.4129	lysine demethylase 2B [Source:HGNC Symbol;Acc:HGNC:13610]	chr12:1218	NM_00100	XM_01153	NR_10695	.	NP_00100	XP_005254	protein_co	ENSG0000(	102465665	13610
KDM3A	14.698	13.8432	15.3843	12.4381	14.1564	17.2352	lysine demethylase 3A [Source:HGNC Symbol;Acc:HGNC:20815]	chr2:86667	NM_00114	XM_01700	.	.	NP_00114	XP_006712	protein_co	ENSG0000(	55818	20815
KDM3B	28.8136	28.1529	28.9109	26.7381	25.6576	24.4661	lysine demethylase 3B [Source:HGNC Symbol;Acc:HGNC:1337]	chr5:13768	NM_01660	XM_01154	.	.	NP_05768	XP_005272	protein_co	ENSG0000(	51780	1337
KDM4A	15.5247	16.4556	13.9913	15.6279	14.7133	22.681	lysine demethylase 4A [Source:HGNC Symbol;Acc:HGNC:22978]	chr1:44115	NM_01466	XM_01700	.	.	NP_05547	XP_005271	protein_co	ENSG0000(	9682	22978
KDM4B	8.81683	9.2062	12.0651	8.75455	9.17103	9.63293	lysine demethylase 4B [Source:HGNC Symbol;Acc:HGNC:29136]	chr19:4969	NM_01501	XM_01152	.	.	NP_05583	XP_005259	protein_co	ENSG0000(	23030	29136
KDM4C	5.61714	6.10805	5.38037	4.72198	4.47661	5.17726	lysine demethylase 4C [Source:HGNC Symbol;Acc:HGNC:17071]	chr9:67208	NM_00114	XM_01151	.	.	NP_00114	XP_006716	protein_co	ENSG0000(	23081	17071
KDM4D	1.45137	1.38018	1.38012	2.2435	2.00067	1.99962	lysine demethylase 4D [Source:HGNC Symbol;Acc:HGNC:25498]	chr11:9470	NM_01803	.	.	.	NP_06050	.	protein_co	ENSG0000(	55693	25498
KDM4E	0	0	0	0	0	0	lysine demethylase 4E [Source:HGNC Symbol;Acc:HGNC:37098]	chr11:9475	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000(	390245	37098
KDM5A	5.75221	5.8926	5.66612	4.26481	5.54724	6.26306	lysine demethylase 5A [Source:HGNC Symbol;Acc:HGNC:9886]	chr12:3892	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000(	5927	9886
KDM5B	8.69639	8.75343	10.8391	7.22566	9.09092	11.6234	lysine demethylase 5B [Source:HGNC Symbol;Acc:HGNC:18039]	chr1:20269	NM_00661	XM_01150	.	.	NP_00130	XP_011507	protein_co	ENSG0000(	10765	18039
KDM5C	17.9934	19.2882	17.3848	16.5389	16.3473	19.5662	lysine demethylase 5C [Source:HGNC Symbol;Acc:HGNC:11114]	chrX:53220	NM_00114	XM_01153	.	.	NP_00114	XP_005262	protein_co	ENSG0000(	8242	11114
KDM5D	0.787465	0.596974	0.446704	0	0	0	lysine demethylase 5D [Source:HGNC Symbol;Acc:HGNC:11115]	chrY:21867	NM_00114	XM_01153	.	.	NP_00114	XP_005262	protein_co	ENSG0000(	8284	11115
KDM6A	6.41135	6.1596	5.05411	5.06087	5.45976	5.90682	lysine demethylase 6A [Source:HGNC Symbol;Acc:HGNC:12637]	chrX:44732	NM_00129	XM_01154	.	.	NP_00127	XP_005272	protein_co	ENSG0000(	7403	12637
KDM6B	6.93679	7.561	6.80626	4.94694	4.86366	6.88137	lysine demethylase 6B [Source:HGNC Symbol;Acc:HGNC:29012]	chr17:7743	NM_00108	XM_01152	.	.	NP_00107	XP_005256	protein_co	ENSG0000(	23135	29012
KDM7A	2.80864	2.55279	3.75875	2.84904	3.57942	8.294	lysine demethylase 7A [Source:HGNC Symbol;Acc:HGNC:22224]	chr7:13978	NM_03064	XM_01151	.	.	NP_08515	.	protein_co	ENSG0000(	80853	22224
KDM8	1.03876	1.25131	1.42314	1.20542	1.19541	0.847615	lysine demethylase 8 [Source:HGNC Symbol;Acc:HGNC:25840]	chr16:2721	NM_00114	XM_00672	.	.	NP_00113	.	protein_co	ENSG0000(	79831	25840
KDR	0.101362	0.117838	0.107972	0.088414	0.15156	0.227569	kinase insert domain receptor [Source:HGNC Symbol;Acc:HGNC:6	chr4:55944	NM_00225	.	.	.	NP_00224	.	protein_co	ENSG0000(	3791	6307
KDSR	14.2019	11.9605	13.962	10.6454	10.3419	14.803	3-ketodihydrosphingosine reductase [Source:HGNC Symbol;Acc:H	chr18:6099	NM_00203	XM_01702	.	.	NP_00202	XP_005266	protein_co	ENSG0000(	2531	4021
KEAP1	39.3697	41.5246	32.7521	45.175	41.9033	28.6949	kelch like ECH associated protein 1 [Source:HGNC Symbol;Acc:HG	chr19:1059	NM_01228	XM_01152	.	.	NP_03642	XP_005260	protein_co	ENSG0000(	9817	23177
KEL	0	0.051085	0.021796	0	0.028629	0.026794	Kell blood group, metallo-endopeptidase [Source:HGNC Symbol;A	chr7:14263	NM_00042	XM_00524	.	.	NP_00041	XP_005250	protein_co	ENSG0000(	3792	6308
KERA	0	0	0	0	0	0	keratocan [Source:HGNC Symbol;Acc:HGNC:6309]	chr12:9144	NM_00703	XM_01153	.	.	NP_00896	XP_011536	protein_co	ENSG0000(	11081	6309
KHDC1	6.16316	5.88351	4.58394	7.69706	5.48673	4.06029	KH homology domain containing 1 [Source:HGNC Symbol;Acc:HG	chr6:73951	NM_00125	.	.	.	NP_00123	.	protein_co	ENSG0000(	80759	21366
KHDC1L	5.23725	5.27975	5.96889	11.2493	6.48681	7.37197	KH domain containing 1 like [Source:HGNC Symbol;Acc:HGNC:372	chr6:73933	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000(	100129128	37274
KHDC3L	0	0	0	0	0	0	KH domain containing 3 like, subcortical maternal complex memb	chr6:74072	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000(	154288	33699
KHDRBS1	122.719	126.462	94.9127	145.599	149.142	133.17	KH RNA binding domain containing, signal transduction associate	chr1:32479	NM_00127	.	NR_07349	.	NP_00125	.	protein_co	ENSG0000(	10657	18116
KHDRBS2	0	0	0	0	0	0	KH RNA binding domain containing, signal transduction associate	chr6:62389	NM_15268	.	.	.	NP_68990	XP_016865	protein_co	ENSG0000(	202559	18114
KHDRBS3	6.40276	5.17786	3.91817	6.12602	6.34488	4.25431	KH RNA binding domain containing, signal transduction associate	chr8:13646	NM_00655	XM_00525	.	.	NP_00654	XP_005250	protein_co	ENSG0000(	10656	18117

KHK	4.53126	4.3964	4.61204	5.23073	4.04999	3.53505	ketohexokinase [Source:HGNC Symbol;Acc:HGNC:6315]	chr2:27309	NM_00022	XM_00526	.	.	NP_00021	XP_005264	protein_co	ENSG0000	3795	6315
KHNYN	18.6513	17.4925	19.0395	12.9448	15.0793	18.7858	KH and NYN domain containing [Source:HGNC Symbol;Acc:HGNC	chr14:2489	NM_00129	XM_01153	.	.	NP_00127	XP_005267	protein_co	ENSG0000	23351	20166
KHSRP	96.1988	102.083	86.0529	118.794	112.586	96.9351	KH-type splicing regulatory protein [Source:HGNC Symbol;Acc:HG	chr19:6413	NM_00368	XM_01152	NR_03750	.	NP_00367	XP_005259	protein_co	ENSG0000	100500888	6316
KIAA0040	15.3569	16.085	29.4945	19.1626	21.2001	30.9841	KIAA0040 [Source:HGNC Symbol;Acc:HGNC:28950]	chr1:17512	NM_00116	XM_01700	.	.	NP_00115	XP_005245	protein_co	ENSG0000	9674	28950
KIAA0100	34.8513	36.4877	36.1153	52.4744	52.7896	41.53	KIAA0100 [Source:HGNC Symbol;Acc:HGNC:28960]	chr17:2694	NM_01468	XM_01702	.	.	NP_05549	XP_005258	protein_co	ENSG0000	9703	28960
KIAA0101	98.3269	97.839	96.469	130.687	98.0536	94.6189	KIAA0101 [Source:HGNC Symbol;Acc:HGNC:28961]	chr15:6465	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	9768	28961
KIAA0141	18.338	18.1396	18.4049	15.003	13.3862	11.4835	KIAA0141 [Source:HGNC Symbol;Acc:HGNC:28969]	chr5:14130	NM_00114	XM_01153	.	.	NP_00113	XP_005268	protein_co	ENSG0000	9812	28969
KIAA0196	17.7166	17.878	16.8702	20.2904	22.1553	16.8298	KIAA0196 [Source:HGNC Symbol;Acc:HGNC:28984]	chr8:12603	NM_01484	XM_01701	.	.	NP_05566	XP_005251	protein_co	ENSG0000	9897	28984
KIAA0226L	0.467343	0.606367	0.561682	0.662653	0.568925	0.828736	RUN and cysteine rich domain containing beclin 1 interacting pro	chr13:4691	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	80183	20420
KIAA0232	7.6035	6.94984	7.42398	6.13918	7.64362	11.6615	KIAA0232 [Source:HGNC Symbol;Acc:HGNC:28992]	chr4:67844	NM_00110	XM_01151	.	.	NP_00109	XP_005248	protein_co	ENSG0000	9778	28992
KIAA0319	0.590356	0.561389	0.313243	0.556738	0.520181	0.485403	KIAA0319 [Source:HGNC Symbol;Acc:HGNC:21580]	chr6:24544	NM_00116	XM_01701	.	.	NP_00116	XP_011513	protein_co	ENSG0000	9856	21580
KIAA0319L	10.1294	9.56924	11.8491	8.94831	7.813	9.93011	KIAA0319 like [Source:HGNC Symbol;Acc:HGNC:30071]	chr1:35899	NM_02487	XM_01700	.	.	NP_07915	XP_006710	protein_co	ENSG0000	79932	30071
KIAA0355	4.53095	5.28938	5.04062	3.86718	4.60925	6.24812	KIAA0355 [Source:HGNC Symbol;Acc:HGNC:29016]	chr19:3474	NM_01468	XM_00525	.	.	NP_05550	XP_005259	protein_co	ENSG0000	9710	29016
KIAA0368	21.5216	21.538	16.6991	16.7449	18.8769	17.0713	KIAA0368 [Source:HGNC Symbol;Acc:HGNC:29020]	chr9:11412	NM_00108	XM_01151	.	.	NP_00107	XP_005251	protein_co	ENSG0000	23392	29020
KIAA0391	23.5948	23.1531	22.7456	28.465	27.397	22.8316	KIAA0391 [Source:HGNC Symbol;Acc:HGNC:19958]	chr14:3559	NM_00125	XM_01153	.	.	NP_00124	XP_005268	protein_co	ENSG0000	9692	19958
KIAA0408	0.610035	0.292133	0.514706	0.310833	0.210628	0.331209	KIAA0408 [Source:HGNC Symbol;Acc:HGNC:21636]	chr6:12776	NM_01470	.	.	.	NP_05551	.	protein_co	ENSG0000	9729	21636
KIAA0430	10.6336	10.1683	11.0626	6.49941	7.83963	10.9358	KIAA0430 [Source:HGNC Symbol;Acc:HGNC:29562]	chr16:1568	NM_00118	XM_01702	NR_10676	.	NP_00117	XP_005255	protein_co	ENSG0000	102465252	29562
KIAA0513	3.10452	3.72218	3.65097	2.80103	3.65676	3.55053	KIAA0513 [Source:HGNC Symbol;Acc:HGNC:29058]	chr16:8506	NM_00128	XM_01152	.	.	NP_00127	XP_005256	protein_co	ENSG0000	9764	29058
KIAA0556	4.55347	4.72883	5.34157	3.78753	3.49939	3.53509	KIAA0556 [Source:HGNC Symbol;Acc:HGNC:29068]	chr16:2756	NM_01520	XM_01702	.	.	NP_05601	XP_005255	protein_co	ENSG0000	23247	29068
KIAA0586	3.84728	3.48	4.10837	4.73752	6.632	5.2882	KIAA0586 [Source:HGNC Symbol;Acc:HGNC:19960]	chr14:5886	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	9786	19960
KIAA0753	5.67072	5.99028	5.43376	5.14888	5.82587	5.49352	KIAA0753 [Source:HGNC Symbol;Acc:HGNC:29110]	chr17:6481	NM_01480	XM_01152	.	.	NP_05561	XP_006721	protein_co	ENSG0000	9851	29110
KIAA0825	0.265064	0.403101	0.249233	0.23104	0.38676	0.444681	KIAA0825 [Source:HGNC Symbol;Acc:HGNC:28532]	chr5:93488	NM_00114	XM_01154	.	.	NP_00113	XP_006714	protein_co	ENSG0000	285600	28532
KIAA0895	6.07455	6.23411	5.62792	5.0829	5.57852	7.29575	KIAA0895 [Source:HGNC Symbol;Acc:HGNC:22206]	chr7:36363	NM_00110	XM_00524	.	.	NP_00109	XP_005249	protein_co	ENSG0000	23366	22206
KIAA0895L	7.11872	6.92649	9.04039	5.97539	5.66553	5.53782	KIAA0895 like [Source:HGNC Symbol;Acc:HGNC:34408]	chr16:6720	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	653319	34408
KIAA0907	22.02	20.0953	18.8036	22.1694	20.6116	16.6842	KIAA0907 [Source:HGNC Symbol;Acc:HGNC:29145]	chr1:15588	NM_01494	.	.	.	NP_05576	.	protein_co	ENSG0000	22889	29145
KIAA0922	4.66982	4.74121	6.55506	5.01896	5.21411	5.45053	KIAA0922 [Source:HGNC Symbol;Acc:HGNC:29146]	chr4:15438	NM_00113	XM_01153	.	.	NP_00112	XP_011530	protein_co	ENSG0000	23240	29146
KIAA0930	30.1877	30.3606	28.7493	33.5214	27.7102	25.699	KIAA0930 [Source:HGNC Symbol;Acc:HGNC:1314]	chr22:4558	NM_00100	XM_01153	.	.	NP_00100	XP_011528	protein_co	ENSG0000	23313	1314
KIAA1024	0.794906	0.826226	0.709507	0.360626	0.419229	0.343325	KIAA1024 [Source:HGNC Symbol;Acc:HGNC:29172]	chr15:7972	NM_01520	XM_01702	.	.	NP_05602	XP_011519	protein_co	ENSG0000	23251	29172
KIAA1024L	0	0	0	0	0	0	KIAA1024 like [Source:HGNC Symbol;Acc:HGNC:33914]	chr5:12908	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	100127206	33914
KIAA1033	7.84146	7.02466	7.41601	6.65742	9.14836	10.5451	KIAA1033 [Source:HGNC Symbol;Acc:HGNC:29174]	chr12:1055	NM_00129	XM_01153	.	.	NP_00128	XP_011536	protein_co	ENSG0000	23325	29174
KIAA1109	5.1116	4.81783	6.12768	3.56592	4.98073	5.02464	KIAA1109 [Source:HGNC Symbol;Acc:HGNC:26953]	chr4:12307	NM_01531	XM_01153	.	.	NP_05612	XP_005263	protein_co	ENSG0000	84162	26953
KIAA1143	12.6284	13.5759	11.6567	15.7983	16.8162	13.8814	KIAA1143 [Source:HGNC Symbol;Acc:HGNC:29198]	chr3:44790	NM_00132	.	.	.	NP_00130	.	protein_co	ENSG0000	57456	29198
KIAA1147	13.5456	13.683	16.3797	8.61141	10.6247	11.5003	KIAA1147 [Source:HGNC Symbol;Acc:HGNC:29472]	chr7:14135	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	57189	29472
KIAA1161	4.94904	5.40779	6.22164	5.11136	5.24085	6.20464	KIAA1161 [Source:HGNC Symbol;Acc:HGNC:19918]	chr9:34366	NM_02070	XM_01701	.	.	NP_06575	XP_011516	protein_co	ENSG0000	57462	19918
KIAA1191	46.7776	46.2083	47.4323	53.5079	49.8387	57.9948	KIAA1191 [Source:HGNC Symbol;Acc:HGNC:29209]	chr5:17577	NM_00107	XM_01153	NR_10980	.	NP_00107	XP_005265	protein_co	ENSG0000	57179	29209
KIAA1210	0	0	0	0	0	0.009028	KIAA1210 [Source:HGNC Symbol;Acc:HGNC:29218]	chrX:11821	NM_02072	.	.	.	NP_06577	.	protein_co	ENSG0000	57481	29218
KIAA1211	4.88096	5.04511	5.971	6.16282	6.87658	7.1833	KIAA1211 [Source:HGNC Symbol;Acc:HGNC:29219]	chr4:57036	NM_02072	XM_01153	.	.	NP_06577	XP_005265	protein_co	ENSG0000	57482	29219
KIAA1211L	0.147798	0.124364	0.346439	0.159201	0.098325	0.302073	KIAA1211 like [Source:HGNC Symbol;Acc:HGNC:33454]	chr2:99410	NM_20736	XM_01700	.	.	NP_99724	XP_005263	protein_co	ENSG0000	343990	33454
KIAA1217	2.72976	2.62307	1.9819	2.63598	2.68777	3.23015	KIAA1217 [Source:HGNC Symbol;Acc:HGNC:25428]	chr10:2398	NM_00109	XM_01701	.	.	NP_00109	XP_005252	protein_co	ENSG0000	56243	25428
KIAA1257	0.891985	0.711061	1.54312	1.96477	1.21755	2.10035	KIAA1257 [Source:HGNC Symbol;Acc:HGNC:29231]	chr3:12859	NM_02074	.	.	.	NP_06579	.	protein_co	ENSG0000	57501	29231
KIAA1324	0.354793	0.342784	0.425725	0.281797	0.313863	0.207234	KIAA1324 [Source:HGNC Symbol;Acc:HGNC:29618]	chr1:10965	NM_00126	XM_01154	.	.	NP_00125	XP_011540	protein_co	ENSG0000	57535	29618
KIAA1324L	6.75503	7.53234	7.46762	6.17927	7.33862	9.46093	KIAA1324 like [Source:HGNC Symbol;Acc:HGNC:21945]	chr7:86506	NM_00114	XM_01151	.	.	NP_00113	XP_006715	protein_co	ENSG0000	222223	21945
KIAA1328	2.23283	1.77441	1.28361	1.19047	1.58359	2.22774	KIAA1328 [Source:HGNC Symbol;Acc:HGNC:29248]	chr18:3387	NM_02077	XM_00525	.	.	NP_06582	XP_005258	protein_co	ENSG0000	57536	29248
KIAA1429	20.2233	19.8465	20.5042	19.2409	25.4497	20.9887	KIAA1429 [Source:HGNC Symbol;Acc:HGNC:24500]	chr8:95499	NM_01549	.	.	.	NP_05631	.	protein_co	ENSG0000	25962	24500
KIAA1456	0	0	0	0	0	0	KIAA1456 [Source:HGNC Symbol;Acc:HGNC:26725]	chr8:12803	NM_00109	XM_01701	.	.	NP_00109	XP_005273	protein_co	ENSG0000	57604	26725
KIAA1462	3.72869	4.16754	8.91739	3.58343	3.80538	4.98387	KIAA1462 [Source:HGNC Symbol;Acc:HGNC:29283]	chr10:3030	NM_02084	XM_01151	.	.	NP_06589	XP_011517	protein_co	ENSG0000	57608	29283
KIAA1468	7.05571	7.30817	6.34648	6.30824	7.45445	5.93595	KIAA1468 [Source:HGNC Symbol;Acc:HGNC:29289]	chr18:5985	NM_02085	XM_01152	.	.	NP_06590	XP_005266	protein_co	ENSG0000	57614	29289
KIAA1522	21.9639	23.3434	20.5464	23.0487	23.5664	19.9324	KIAA1522 [Source:HGNC Symbol;Acc:HGNC:29301]	chr1:33207	NM_00119	XM_01700	.	.	NP_00118	XP_006710	protein_co	ENSG0000	57648	29301
KIAA1524	19.7955	12.738	13.2381	16.0461	22.1419	18.1402	KIAA1524 [Source:HGNC Symbol;Acc:HGNC:29302]	chr3:10826	NM_02089	XM_01151	.	.	NP_06594	XP_006713	protein_co	ENSG0000	57650	29302
KIAA1549	1.00816	1.3676	1.31129	0.999442	1.56649	1.2184	KIAA1549 [Source:HGNC Symbol;Acc:HGNC:22219]	chr7:13839	NM_00116	XM_01151	.	.	NP_00115	XP_011514	protein_co	ENSG0000	57670	22219
KIAA1549L	0.073249	0.108006	0.063492	0.040771	0.020646	0.062536	KIAA1549 like [Source:HGNC Symbol;Acc:HGNC:24836]	chr11:3356	NM_01219	XM_01701	.	.	NP_03632	XP_005252	protein_co	ENSG0000	25758	24836
KIAA1551	11.7769	11.2349	14.838	8.88947	13.6708	18.9263	KIAA1551 [Source:HGNC Symbol;Acc:HGNC:25559]	chr12:3211	NM_01816	XM_01152	.	.	NP_06063	XP_005253	protein_co	ENSG0000	55196	25559
KIAA1586	4.12607	4.02954	4.16742	4.61052	4.20737	4.33921	KIAA1586 [Source:HGNC Symbol;Acc:HGNC:21360]	chr6:56911	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	57691	21360
KIAA1614	0.079938	0.097837	0.063953	0.053009	0.145819	0.084819	KIAA1614 [Source:HGNC Symbol;Acc:HGNC:29327]	chr1:18088	NM_02095	.	.	.	NP_06600	.	protein_co	ENSG0000	57710	29327
KIAA1644	0.020601	0	0	0	0	0.010847	KIAA1644 [Source:HGNC Symbol;Acc:HGNC:29335]	chr22:4463	NM_00109	XM_00526	.	.	NP_00109	XP_005261	protein_co	ENSG0000	85352	29335
KIAA1658	0	0.736995	0	0	0	0	.	chr22:3079	.	.	.	.	.	.	protein_co	ENSG0000	.	.
KIAA1671	9.53066	10.1341	12.1316	8.21543	8.91867	8.2959	KIAA1671 [Source:HGNC Symbol;Acc:HGNC:29345]	chr22:2534	NM_00114	XM_01153	.	.	NP_00113	XP_005261	protein_co	ENSG0000	85379	29345
KIAA1683	1.16036	1.39775	0.782466	0.872965	0.963109	0.851815	KIAA1683 [Source:HGNC Symbol;Acc:HGNC:29350]	chr19:1836	NM_00114	XM_01152	.	.	NP_00113	XP_005260	protein_co	ENSG0000	80726	29350
KIAA1715	4.67085	4.88572	4.86817	4.68523	6.13064	5.67165	lunapark, ER junction formation factor [Source:HGNC Symbol;Acc	chr2:17678	NM_00130	XM_01700	.	.	NP_00129	XP_005246	protein_co	ENSG0000	80856	21610

KIAA1755	0	0.022326	0.023726	0	0	0	KIAA1755 [Source:HGNC Symbol;Acc:HGNC:29372]	chr20:3683	NM_00102	.	.	.	NP_001025	.	protein_co	ENSG0000	85449	29372
KIAA1841	0.768359	0.85534	0.890967	0.772785	1.00589	1.14976	KIAA1841 [Source:HGNC Symbol;Acc:HGNC:29387]	chr2:61293	NM_00112	XM_01700	.	.	NP_001123	XP_005264	protein_co	ENSG0000	84542	29387
KIAA1958	4.69663	4.45488	5.50869	3.75964	4.46003	5.03417	KIAA1958 [Source:HGNC Symbol;Acc:HGNC:23427]	chr9:11524	NM_00128	XM_01151	.	.	NP_001273	XP_006717	protein_co	ENSG0000	158405	23427
KIAA2012	0	0	0	0	0	0	KIAA2012 [Source:HGNC Symbol;Acc:HGNC:51250]	chr2:20293	.	XM_01151	.	.	.	XP_006712	protein_co	ENSG0000	100652824	51250
KIAA2013	43.5405	43.2519	39.8323	55.0753	47.2517	38.7404	KIAA2013 [Source:HGNC Symbol;Acc:HGNC:28513]	chr1:11979	NM_13834	XM_00526	.	.	NP_612355	XP_005263	protein_co	ENSG0000	102724984	28513
KIAA2022	0	0	0	0	0	0	KIAA2022 [Source:HGNC Symbol;Acc:HGNC:29433]	chrX:73952	NM_00100	XM_01153	.	.	NP_001008	XP_011529	protein_co	ENSG0000	340533	29433
KIAA2026	3.56309	3.27662	4.27451	2.82725	4.18321	4.51978	KIAA2026 [Source:HGNC Symbol;Acc:HGNC:23378]	chr9:59190	NM_00101	XM_01151	.	.	NP_001017	XP_005251	protein_co	ENSG0000	158358	23378
KIDINS220	7.51235	8.76542	7.88676	7.99396	8.88997	9.46911	kinase D-interacting substrate 220kDa [Source:HGNC Symbol;Acc	chr2:88689	NM_02073	.	.	.	NP_065789	.	protein_co	ENSG0000	57498	29508
KIF11	15.1021	15.4529	13.965	16.799	22.7602	18.6115	kinesin family member 11 [Source:HGNC Symbol;Acc:HGNC:6388	chr10:9435	NM_00452	.	.	.	NP_004514	.	protein_co	ENSG0000	3832	6388
KIF12	1.20847	1.06759	1.76523	0.727142	0.797858	1.8921	kinesin family member 12 [Source:HGNC Symbol;Acc:HGNC:2149	chr9:11685	NM_13842	XM_01151	.	.	NP_612433	XP_006717	protein_co	ENSG0000	113220	21495
KIF13A	6.36848	6.68216	5.91807	6.72076	7.55776	7.33965	kinesin family member 13A [Source:HGNC Symbol;Acc:HGNC:145	chr6:17759	NM_00110	XM_01701	.	.	NP_001099	XP_005249	protein_co	ENSG0000	63971	14566
KIF13B	2.57708	2.80225	3.29809	2.49418	2.49017	3.73763	kinesin family member 13B [Source:HGNC Symbol;Acc:HGNC:144	chr8:28924	NM_01525	XM_01154	.	.	NP_056069	XP_005273	protein_co	ENSG0000	23303	14405
KIF14	5.57241	5.94609	5.75511	6.91828	9.91257	8.27828	kinesin family member 14 [Source:HGNC Symbol;Acc:HGNC:1918	chr1:20052	NM_01487	XM_01700	.	.	NP_055690	XP_011508	protein_co	ENSG0000	9928	19181
KIF15	6.21575	5.84809	4.91254	7.39916	9.28455	9.2177	kinesin family member 15 [Source:HGNC Symbol;Acc:HGNC:1727	chr3:44803	NM_02024	XM_01153	.	.	NP_064627	XP_006713	protein_co	ENSG0000	56992	17273
KIF16B	2.81627	2.67281	3.4818	2.15315	2.36133	2.45239	kinesin family member 16B [Source:HGNC Symbol;Acc:HGNC:158	chr20:1625	NM_00119	XM_01152	.	.	NP_001186	XP_005260	protein_co	ENSG0000	55614	15869
KIF17	0.488509	0.384874	0.507925	0.438542	0.349418	0.415782	kinesin family member 17 [Source:HGNC Symbol;Acc:HGNC:1916	chr1:20990	NM_00112	XM_01154	.	.	NP_001116	XP_005246	protein_co	ENSG0000	57576	19167
KIF18A	10.2957	9.49754	10.2774	10.6715	15.3579	14.2979	kinesin family member 18A [Source:HGNC Symbol;Acc:HGNC:294	chr11:2804	NM_03121	.	.	.	NP_112494	XP_016873	protein_co	ENSG0000	81930	29441
KIF18B	15.0145	15.7226	13.0513	20.6596	22.7124	17.3077	kinesin family member 18B [Source:HGNC Symbol;Acc:HGNC:271	chr17:4300	NM_00126	XM_01152	.	.	NP_001251	XP_011522	protein_co	ENSG0000	146909	27102
KIF19	0.03847	0.018636	0.06643	0.122376	0.113327	0.305226	kinesin family member 19 [Source:HGNC Symbol;Acc:HGNC:2673	chr17:7232	NM_15320	XM_00525	.	.	NP_694941	XP_005257	protein_co	ENSG0000	124602	26735
KIF1A	0.01609	0.039592	0.006943	0.034474	0.009366	0.062494	kinesin family member 1A [Source:HGNC Symbol;Acc:HGNC:888]	chr2:24165	NM_00124	XM_01151	.	.	NP_001230	XP_005247	protein_co	ENSG0000	547	888
KIF1B	10.4263	11.3308	11.5311	10.9928	11.8084	12.8947	kinesin family member 1B [Source:HGNC Symbol;Acc:HGNC:1663	chr1:10270	NM_01507	.	.	.	NP_055889	.	protein_co	ENSG0000	23095	16636
KIF1BP	24.5639	22.9818	20.1468	24.6534	26.1039	23.5059	KIF1 binding protein [Source:HGNC Symbol;Acc:HGNC:23419]	chr10:7074	NM_01563	.	.	.	NP_056449	.	protein_co	ENSG0000	26128	23419
KIF1C	32.9701	34.046	29.1636	39.5813	35.2716	26.4403	kinesin family member 1C [Source:HGNC Symbol;Acc:HGNC:6317	chr17:4901	NM_00661	XM_00525	.	.	NP_006603	XP_005256	protein_co	ENSG0000	10749	6317
KIF20A	33.4525	34.5534	26.8227	64.1972	58.9892	40.3419	kinesin family member 20A [Source:HGNC Symbol;Acc:HGNC:978	chr5:13751	NM_00573	.	.	.	NP_005724	.	protein_co	ENSG0000	10112	9787
KIF20B	7.77772	8.29967	7.78999	9.80926	15.5607	12.0476	kinesin family member 20B [Source:HGNC Symbol;Acc:HGNC:721	chr10:9146	NM_00128	.	.	.	NP_001271	.	protein_co	ENSG0000	9585	7212
KIF21A	10.0314	10.5489	9.175	10.0949	11.9238	9.65494	kinesin family member 21A [Source:HGNC Symbol;Acc:HGNC:193	chr12:3968	NM_00117	XM_01701	.	.	NP_001166	XP_005269	protein_co	ENSG0000	55605	19349
KIF21B	2.02421	1.90252	2.20024	1.61971	1.81089	1.97065	kinesin family member 21B [Source:HGNC Symbol;Acc:HGNC:294	chr1:20093	NM_00125	.	.	.	NP_001239	.	protein_co	ENSG0000	23046	29442
KIF22	74.2492	72.3262	57.5648	112.859	92.9731	65.5242	kinesin family member 22 [Source:HGNC Symbol;Acc:HGNC:6391	chr16:2980	NM_00125	.	.	.	NP_001243	.	protein_co	ENSG0000	3835	6391
KIF23	34.0113	34.7881	31.3488	44.3161	45.2816	38.575	kinesin family member 23 [Source:HGNC Symbol;Acc:HGNC:6392	chr15:6970	NM_00128	XM_01152	.	.	NP_001268	XP_005254	protein_co	ENSG0000	9493	6392
KIF24	2.15038	2.30532	1.8944	2.27068	2.31855	2.22631	kinesin family member 24 [Source:HGNC Symbol;Acc:HGNC:1991	chr9:34179	NM_19431	XM_01701	.	.	NP_919289	XP_011516	protein_co	ENSG0000	347240	19916
KIF25	0	0	0	0	0	0	kinesin family member 25 [Source:HGNC Symbol;Acc:HGNC:6390	chr6:16839	NM_00535	XM_01153	.	.	NP_005346	XP_011534	protein_co	ENSG0000	3834	6390
KIF26A	5.1981	5.05491	5.64254	5.60871	5.63484	4.10311	kinesin family member 26A [Source:HGNC Symbol;Acc:HGNC:202	chr14:1046	NM_01565	XM_01153	.	.	NP_056471	XP_011534	protein_co	ENSG0000	26153	20226
KIF26B	0.310653	0.409564	0.471692	0.19536	0.181294	0.25205	kinesin family member 26B [Source:HGNC Symbol;Acc:HGNC:254	chr1:24531	NM_01801	XM_01703	.	.	NP_060482	XP_011542	protein_co	ENSG0000	55083	25484
KIF27	1.12477	0.750859	1.19548	0.932996	1.16125	1.4704	kinesin family member 27 [Source:HGNC Symbol;Acc:HGNC:1863	chr9:86451	NM_00127	XM_01151	.	.	NP_001258	XP_011517	protein_co	ENSG0000	55582	18632
KIF2A	17.0941	18.7879	18.4617	17.59	20.5612	20.979	kinesin family member 2A [Source:HGNC Symbol;Acc:HGNC:6318	chr5:61601	NM_00109	.	.	.	NP_001091	.	protein_co	ENSG0000	3796	6318
KIF2B	0	0	0	0	0	0	kinesin family member 2B [Source:HGNC Symbol;Acc:HGNC:2944	chr17:5190	NM_03255	.	.	.	NP_115948	.	protein_co	ENSG0000	84643	29443
KIF2C	46.3031	47.0974	41.1918	76.5266	66.8332	57.8895	kinesin family member 2C [Source:HGNC Symbol;Acc:HGNC:6393	chr1:45205	NM_00129	XM_01154	.	.	NP_001284	XP_011538	protein_co	ENSG0000	11004	6393
KIF3A	4.67021	4.6492	5.28458	4.35216	5.56162	5.82595	kinesin family member 3A [Source:HGNC Symbol;Acc:HGNC:6319	chr5:13202	NM_00130	XM_00671	.	.	NP_001287	XP_006714	protein_co	ENSG0000	11127	6319
KIF3B	17.2973	17.7678	17.1883	17.4073	18.3502	15.7985	kinesin family member 3B [Source:HGNC Symbol;Acc:HGNC:6320	chr20:3086	NM_00479	.	.	.	NP_004789	.	protein_co	ENSG0000	9371	6320
KIF3C	2.48225	2.51177	2.92271	2.1543	2.20224	2.68081	kinesin family member 3C [Source:HGNC Symbol;Acc:HGNC:6321	chr2:26149	NM_00225	XM_00526	.	.	NP_002245	XP_005264	protein_co	ENSG0000	3797	6321
KIF4A	16.7751	18.4631	14.5114	25.7582	23.4063	19.2003	kinesin family member 4A [Source:HGNC Symbol;Acc:HGNC:1333	chrX:69509	NM_01231	XM_01153	.	.	NP_036442	XP_011529	protein_co	ENSG0000	24137	13339
KIF4B	1.33612	1.04855	1.0688	1.56768	1.79084	1.34325	kinesin family member 4B [Source:HGNC Symbol;Acc:HGNC:6322	chr5:15439	NM_00109	.	.	.	NP_001092	.	protein_co	ENSG0000	285643	6322
KIF5A	2.50235	2.40641	2.20307	1.3051	1.47305	1.48434	kinesin family member 5A [Source:HGNC Symbol;Acc:HGNC:6323	chr12:5794	NM_00498	.	.	.	NP_004975	.	protein_co	ENSG0000	3798	6323
KIF5B	47.5319	49.197	44.6566	56.5811	67.4717	67.6508	kinesin family member 5B [Source:HGNC Symbol;Acc:HGNC:6324	chr10:3229	NM_00452	XM_01701	.	.	NP_004512	XP_016871	protein_co	ENSG0000	3799	6324
KIF5C	2.46451	2.52664	2.44421	1.71645	1.78283	2.37628	kinesin family member 5C [Source:HGNC Symbol;Acc:HGNC:6325	chr2:14963	NM_00452	.	.	.	NP_004513	XP_016859	protein_co	ENSG0000	3800	6325
KIF6	0.04345	0.026506	0.076333	0.096085	0	0.091083	kinesin family member 6 [Source:HGNC Symbol;Acc:HGNC:21202	chr6:39297	NM_00128	XM_01151	.	.	NP_001275	XP_005248	protein_co	ENSG0000	221458	21202
KIF7	0.017521	0.084216	0.090382	0.037039	0.082648	0.039831	kinesin family member 7 [Source:HGNC Symbol;Acc:HGNC:30497	chr15:9011	NM_19852	XM_01152	.	.	NP_940927	XP_005254	protein_co	ENSG0000	374654	30497
KIF9	15.1946	15.8858	14.4493	18.8557	15.9383	11.1289	kinesin family member 9 [Source:HGNC Symbol;Acc:HGNC:16666	chr3:47269	NM_00113	XM_01153	.	.	NP_001128	XP_005265	protein_co	ENSG0000	64147	16666
KIFAP3	5.18168	5.3903	5.91465	4.52726	5.84994	7.00049	kinesin associated protein 3 [Source:HGNC Symbol;Acc:HGNC:170	chr1:16989	NM_00120	XM_01150	.	.	NP_001191	XP_005245	protein_co	ENSG0000	22920	17060
KIFC1	38.5788	37.1774	33.7805	59.5062	52.3179	41.7063	kinesin family member C1 [Source:HGNC Symbol;Acc:HGNC:6389	chr6:33359	.	XM_01151	.	.	NP_002254	XP_011512	protein_co	ENSG0000	3833	6389
KIFC2	23.352	23.6253	30.1072	17.5323	18.3004	14.5808	kinesin family member C2 [Source:HGNC Symbol;Acc:HGNC:2953	chr8:14569	NM_14575	XM_00527	.	.	NP_665697	XP_005272	protein_co	ENSG0000	90990	29530
KIFC3	10.4916	10.0418	10.1575	8.66772	7.48481	7.89626	kinesin family member C3 [Source:HGNC Symbol;Acc:HGNC:6326	chr16:5779	NM_00113	XM_01702	.	.	NP_001123	XP_005255	protein_co	ENSG0000	3801	6326
KIN	2.69854	2.53177	2.29766	2.81921	2.87471	2.76029	Kin17 DNA and RNA binding protein [Source:HGNC Symbol;Acc:H	chr10:7792	NM_01231	XM_01151	.	.	NP_036443	XP_006717	protein_co	ENSG0000	22944	6327
KIR2DL1	0	0	0	0	0	0	killer cell immunoglobulin like receptor, two Ig domains and long	chr19:5528	NM_01421	.	.	.	.	XP_016885	protein_co	ENSG0000	105379645	6329
KIR2DL3	0	0	0	0	0	0	killer cell immunoglobulin like receptor, two Ig domains and long	chr19:5524	NM_01586	.	.	.	NP_056952	.	protein_co	ENSG0000	3804	6331
KIR2DL4	0	0	0	0	0	0	killer cell immunoglobulin like receptor, two Ig domains and long	chr19:5531	NM_00108	.	.	.	NP_001074	.	protein_co	ENSG0000	3805	6332
KIR3DL1	0	0	0	0	0	0	killer cell immunoglobulin like receptor, three Ig domains and lon	chr19:5532	NM_01328	XM_01703	.	.	NP_037421	XP_016885	protein_co	ENSG0000	3813	6338
KIR3DL2	0	0	0	0	0	0	killer cell immunoglobulin like receptor, three Ig domains and lon	chr19:5532	NM_00124	XM_01152	.	.	NP_001229	XP_011525	protein_co	ENSG0000	3812	6339
KIR3DL3	0	0	0	0	0	0	killer cell immunoglobulin like receptor, three Ig domains and lon	chr19:5523	NM_15344	.	.	.	NP_703144	.	protein_co	ENSG0000	115653	16312

KIR3DX1	0	0	0	0	0	0	killer cell immunoglobulin like receptor, three Ig domains X1 [Sou	chr19:5504	.	.	.	.	.	.	protein_co	ENSG0000(	.	25043
KIRREL	9.72157	9.76847	10.3319	8.6288	9.1535	7.70315	kin of IRRE like (Drosophila) [Source:HGNC Symbol;Acc:HGNC:157	chr1:1579(	NM_00128	XM_01150	.	.	NP_00127	XP_00524	protein_co	ENSG0000(	55243	15734
KIRREL2	0.365878	0.320197	0.450295	0.462953	0.407495	0.37092	kin of IRRE like 2 (Drosophila) [Source:HGNC Symbol;Acc:HGNC:1	chr19:3634	NM_03212	XM_01152	.	.	NP_00131(	XP_01152	protein_co	ENSG0000(	84063	18816
KIRREL3	0	0	0	0	0	0	kin of IRRE like 3 (Drosophila) [Source:HGNC Symbol;Acc:HGNC:2	chr11:1262	NM_0011(	XM_01701	.	.	NP_00115	XP_01154	protein_co	ENSG0000(	84623	23204
KISS1	1.34377	0.982512	0	1.04776	0.182894	1.11936	KiSS-1 metastasis-suppressor [Source:HGNC Symbol;Acc:HGNC:6	chr1:2041	NM_00225	XM_01150	.	.	NP_00224	XP_01150	protein_co	ENSG0000(	3814	6341
KISS1R	5.15253	6.57489	5.6131	3.58642	1.95868	2.4767	KISS1 receptor [Source:HGNC Symbol;Acc:HGNC:4510]	chr19:917	NM_03255	.	.	.	NP_11594(	XP_01688	protein_co	ENSG0000(	84634	4510
KIT	0	0	0.025468	0	0	0	KIT proto-oncogene receptor tyrosine kinase [Source:HGNC Symb	chr4:5552	NM_00022	XM_01700	.	.	NP_00021	XP_00526	protein_co	ENSG0000(	3815	6342
KITLG	167.861	157.354	243.747	286.508	432.236	446.104	KIT ligand [Source:HGNC Symbol;Acc:HGNC:6343]	chr12:8889	NM_00089	.	.	.	NP_00089(	.	protein_co	ENSG0000(	4254	6343
KIZ	3.74423	3.51016	4.11098	3.76336	3.271	4.25719	kizuna centrosomal protein [Source:HGNC Symbol;Acc:HGNC:158	chr20:211(	NM_0011(	XM_01152	.	.	NP_00115(	XP_01152	protein_co	ENSG0000(	55857	15865
KL	0	0	0	0	0	0	klotho [Source:HGNC Symbol;Acc:HGNC:6344]	chr13:3359	NM_00479	.	.	.	NP_00478	.	protein_co	ENSG0000(	9365	6344
KLB	0	0	0	0	0	0	klotho beta [Source:HGNC Symbol;Acc:HGNC:15527]	chr4:39408	NM_17573	XM_00526	.	.	NP_78386	.	protein_co	ENSG0000(	152831	15527
KLC1	34.7992	34.0258	32.317	29.8721	29.2564	31.1663	kinesin light chain 1 [Source:HGNC Symbol;Acc:HGNC:6387]	chr14:104(	NM_0011	.	.	.	NP_0011	.	protein_co	ENSG0000(	3831	6387
KLC2	23.072	24.8549	21.6715	27.6979	23.2873	21.8101	kinesin light chain 2 [Source:HGNC Symbol;Acc:HGNC:20716]	chr11:6602	NM_0011	XM_00671	.	.	NP_00112	XP_00527	protein_co	ENSG0000(	64837	20716
KLC3	15.249	13.918	17.624	14.8523	12.8666	12.9348	kinesin light chain 3 [Source:HGNC Symbol;Acc:HGNC:20717]	chr19:4584	NM_17741	XM_00525	.	.	NP_80313	.	protein_co	ENSG0000(	147700	20717
KLC4	4.04739	3.83406	4.01398	2.69836	2.66341	3.49008	kinesin light chain 4 [Source:HGNC Symbol;Acc:HGNC:21624]	chr6:4302	NM_00128	XM_01151	.	.	NP_00127	XP_01151	protein_co	ENSG0000(	89953	21624
KLF1	0	0	0	0	0	0	Kruppel like factor 1 [Source:HGNC Symbol;Acc:HGNC:6345]	chr19:1299	NM_0065(	XM_01152	.	.	NP_00655	XP_01152	protein_co	ENSG0000(	10661	6345
KLF10	40.8361	48.7485	41.5133	35.3838	32.068	42.7334	Kruppel like factor 10 [Source:HGNC Symbol;Acc:HGNC:11810]	chr8:1036(	NM_0010	.	.	.	NP_00102	.	protein_co	ENSG0000(	7071	11810
KLF11	3.68984	4.46496	3.22816	4.13087	4.17567	5.84224	Kruppel like factor 11 [Source:HGNC Symbol;Acc:HGNC:11811]	chr2:1018	NM_00117	XM_00524	.	.	NP_00117	XP_00524(	protein_co	ENSG0000(	8462	11811
KLF12	1.80434	1.37318	2.17254	1.02076	1.7417	2.41128	Kruppel like factor 12 [Source:HGNC Symbol;Acc:HGNC:6346]	chr13:742(	NM_00724	XM_01702	.	.	NP_00918(	XP_00526(	protein_co	ENSG0000(	11278	6346
KLF13	19.2987	21.9873	22.2459	15.1411	17.4319	21.9322	Kruppel like factor 13 [Source:HGNC Symbol;Acc:HGNC:13672]	chr15:3161	NM_01599	.	.	.	NP_05707	.	protein_co	ENSG0000(	51621	13672
KLF14	0.324416	0.231138	0.390605	0.21416	0.110297	0.203198	Kruppel like factor 14 [Source:HGNC Symbol;Acc:HGNC:23025]	chr7:1304	NM_13869	.	.	.	NP_61963	.	protein_co	ENSG0000(	136259	23025
KLF15	1.54409	1.51893	1.96444	1.22669	1.08744	1.90252	Kruppel like factor 15 [Source:HGNC Symbol;Acc:HGNC:14536]	chr3:1260(	NM_01407	XM_00524	.	.	NP_05479	XP_00524	protein_co	ENSG0000(	28999	14536
KLF16	36.7107	39.8057	33.6143	39.6023	34.1783	33.8231	Kruppel like factor 16 [Source:HGNC Symbol;Acc:HGNC:16857]	chr19:185	NM_03191	.	.	.	NP_11412	.	protein_co	ENSG0000(	83855	16857
KLF17	0	0	0	0	0	0	Kruppel like factor 17 [Source:HGNC Symbol;Acc:HGNC:18830]	chr1:4458	NM_17348	.	.	.	NP_77575	XP_01153	protein_co	ENSG0000(	128209	18830
KLF18	0	0.065233	0	0	0.036693	0.017375	Kruppel like factor 18 [Source:HGNC Symbol;Acc:HGNC:51793]	chr1:4460	.	XM_01154	.	.	.	XP_01154(	protein_co	ENSG0000(	.	51793
KLF2	27.9488	23.085	22.8653	14.7522	11.9559	28.1072	Kruppel like factor 2 [Source:HGNC Symbol;Acc:HGNC:6347]	chr19:164	NM_01627	.	.	.	NP_05735	.	protein_co	ENSG0000(	10365	6347
KLF3	12.1047	11.8428	11.8775	9.34165	11.4483	14.1503	Kruppel like factor 3 [Source:HGNC Symbol;Acc:HGNC:16516]	chr4:3866	NM_01653	.	.	.	NP_05761	XP_01686	protein_co	ENSG0000(	51274	16516
KLF4	12.6753	13.6743	8.08018	19.9034	19.5201	23.2929	Kruppel like factor 4 [Source:HGNC Symbol;Acc:HGNC:6348]	chr9:1102	NM_00423	XM_00525	.	.	NP_00422	.	protein_co	ENSG0000(	9314	6348
KLF5	15.9769	15.25	13.772	15.8858	16.0075	23.1863	Kruppel like factor 5 [Source:HGNC Symbol;Acc:HGNC:6349]	chr13:736	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000(	688	6349
KLF6	33.42	34.2301	33.0329	18.9815	21.4331	28.9602	Kruppel like factor 6 [Source:HGNC Symbol;Acc:HGNC:2235]	chr10:381	NM_0011(	.	.	.	NP_0011	.	protein_co	ENSG0000(	1316	2235
KLF7	2.67509	3.60783	4.44154	2.06162	2.33186	4.63479	Kruppel like factor 7 [Source:HGNC Symbol;Acc:HGNC:6350]	chr2:2079	NM_00127	XM_01151	.	.	NP_00125	XP_00524(	protein_co	ENSG0000(	8609	6350
KLF8	0.412324	0.546571	0.443596	0.361296	0.741705	0.597762	Kruppel like factor 8 [Source:HGNC Symbol;Acc:HGNC:6351]	chrX:5625	NM_0011	XM_00672	.	.	NP_0011	XP_00526	protein_co	ENSG0000(	11279	6351
KLF9	2.75175	2.60502	4.21755	1.68518	1.58553	4.39657	Kruppel like factor 9 [Source:HGNC Symbol;Acc:HGNC:1123]	chr9:7299	NM_0012(	.	.	.	NP_0011	.	protein_co	ENSG0000(	687	1123
KLHDC1	0.229589	0.107003	0.085309	0.113895	0.071876	0.15537	kelch domain containing 1 [Source:HGNC Symbol;Acc:HGNC:1983	chr14:501	NM_17219	XM_01153	.	.	NP_75194	XP_01153	protein_co	ENSG0000(	122773	19836
KLHDC10	8.66904	9.27877	10.5659	8.06884	9.86645	10.898	kelch domain containing 10 [Source:HGNC Symbol;Acc:HGNC:221	chr7:1297	NM_01499	XM_00525	.	.	NP_05581	XP_00525(	protein_co	ENSG0000(	23008	22194
KLHDC2	15.7222	15.2576	17.8326	12.7879	13.6137	17.2604	kelch domain containing 2 [Source:HGNC Symbol;Acc:HGNC:2023	chr14:502	NM_01431	XM_01153	.	.	NP_05513(	XP_00672(	protein_co	ENSG0000(	23588	20231
KLHDC3	47.8883	48.7246	45.7544	44.0895	37.4902	39.8633	kelch domain containing 3 [Source:HGNC Symbol;Acc:HGNC:207(	chr6:4298	NM_0571(	.	.	.	NP_47650	.	protein_co	ENSG0000(	116138	20704
KLHDC4	5.20874	5.64286	5.62645	4.36624	3.73745	3.74084	kelch domain containing 4 [Source:HGNC Symbol;Acc:HGNC:2527	chr16:877	NM_00118	XM_01702	.	.	NP_00117	XP_00525(	protein_co	ENSG0000(	105371397	25272
KLHDC7A	0.36112	0.237153	0.349583	0.196192	0.159195	0.238999	kelch domain containing 7A [Source:HGNC Symbol;Acc:HGNC:267	chr1:1880	NM_15237	.	.	.	NP_68958	.	protein_co	ENSG0000(	127707	26791
KLHDC7B	0.161684	0.284094	0	0.068881	0	0.396721	kelch domain containing 7B [Source:HGNC Symbol;Acc:HGNC:251	chr22:509	NM_13843	.	.	.	NP_61244	.	protein_co	ENSG0000(	113730	25145
KLHDC8A	0.026402	0	0.022908	0	0	0	kelch domain containing 8A [Source:HGNC Symbol;Acc:HGNC:25	chr1:2053(	NM_00127	XM_00671	.	.	NP_0012	XP_00671	protein_co	ENSG0000(	55220	25573
KLHDC8B	9.59332	7.16199	7.76606	9.53591	7.79664	6.46419	kelch domain containing 8B [Source:HGNC Symbol;Acc:HGNC:28	chr3:4920	NM_17354	XM_00671	.	.	NP_77581	XP_00526	protein_co	ENSG0000(	200942	28557
KLHDC9	0.446545	0.591245	0.190341	0	0.08629	0	kelch domain containing 9 [Source:HGNC Symbol;Acc:HGNC:2848	chr1:1610	NM_0010(	.	NR_03338	.	NP_00100	.	protein_co	ENSG0000(	126823	28489
KLHL1	0	0	0	0	0	0	kelch like family member 1 [Source:HGNC Symbol;Acc:HGNC:635	chr13:702	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000(	57626	6352
KLHL10	0.066877	0.034838	0.086802	0	0.151685	0.102294	kelch like family member 10 [Source:HGNC Symbol;Acc:HGNC:1	chr17:399	NM_1524(	XM_01152	.	.	NP_00131(	XP_01152	protein_co	ENSG0000(	317719	18829
KLHL11	6.3184	7.82677	6.93273	6.85305	8.16029	7.41494	kelch like family member 11 [Source:HGNC Symbol;Acc:HGNC:1	chr17:400(	NM_01814	.	.	.	NP_06061	.	protein_co	ENSG0000(	55175	19008
KLHL12	18.3895	19.0623	20.6642	15.5941	18.5403	20.7406	kelch like family member 12 [Source:HGNC Symbol;Acc:HGNC:19	chr1:2028	NM_0013(	XM_01150	.	.	NP_00128	XP_01150	protein_co	ENSG0000(	59349	19360
KLHL13	2.9628	3.27836	3.35055	4.90955	3.82913	3.3114	kelch like family member 13 [Source:HGNC Symbol;Acc:HGNC:22	chrX:1170	NM_0011(	XM_01153	.	.	NP_00116	XP_01152	protein_co	ENSG0000(	90293	22931
KLHL14	0	0	0	0	0	0	kelch like family member 14 [Source:HGNC Symbol;Acc:HGNC:29	chr18:302	NM_0208(	XM_01152	.	.	NP_06585(	XP_01152	protein_co	ENSG0000(	57565	29266
KLHL15	4.64359	4.51495	5.26398	5.3274	6.22319	7.53041	kelch like family member 15 [Source:HGNC Symbol;Acc:HGNC:29	chrX:2400	NM_03062	XM_00672	.	.	NP_08512	XP_00672	protein_co	ENSG0000(	80311	29347
KLHL17	22.1326	19.3646	21.681	21.1401	20.5507	14.2651	kelch like family member 17 [Source:HGNC Symbol;Acc:HGNC:24	chr1:8959	NM_19831	XM_00671	.	.	NP_93807	XP_00671(	protein_co	ENSG0000(	339451	24023
KLHL18	10.5782	11.6289	10.896	13.9839	12.8132	9.01287	kelch like family member 18 [Source:HGNC Symbol;Acc:HGNC:29	chr3:4726	NM_02501	XM_01700	.	.	NP_07928(	XP_00526	protein_co	ENSG0000(	23276	29120
KLHL2	12.6222	11.2382	11.4513	11.6007	13.2298	13.8545	kelch like family member 2 [Source:HGNC Symbol;Acc:HGNC:635	chr4:1659	NM_0011(	XM_01700	.	.	NP_00115	XP_00526	protein_co	ENSG0000(	11275	6353
KLHL20	4.98915	4.78866	4.98758	5.23397	6.61786	6.46884	kelch like family member 20 [Source:HGNC Symbol;Acc:HGNC:25	chr1:1736	NM_01445	XM_01150	.	.	NP_05527	XP_00524	protein_co	ENSG0000(	27252	25056
KLHL21	22.8042	23.94	20.3338	26.9134	25.718	15.7119	kelch like family member 21 [Source:HGNC Symbol;Acc:HGNC:29	chr1:6650	NM_01485	.	.	.	NP_00131	.	protein_co	ENSG0000(	9903	29041
KLHL22	5.62069	5.28984	5.93846	5.99214	5.30345	5.05889	kelch like family member 22 [Source:HGNC Symbol;Acc:HGNC:25	chr22:207	NM_03277	XM_01702	.	.	NP_11616	XP_01688	protein_co	ENSG0000(	84861	25888
KLHL23	15.3724	17.4689	17.5127	20.382	21.4203	17.231	kelch like family member 23 [Source:HGNC Symbol;Acc:HGNC:27	chr2:1705	NM_0011	.	.	.	NP_00118	.	protein_co	ENSG0000(	100526832	27506
KLHL24	4.44495	4.72902	5.80817	2.46492	3.67198	6.3666	kelch like family member 24 [Source:HGNC Symbol;Acc:HGNC:25	chr3:1833	NM_01764	XM_01700	.	.	NP_06011	XP_00524	protein_co	ENSG0000(	54800	25947
KLHL25	4.04164	3.6619	3.88918	4.4138	3.62623	3.4744	kelch like family member 25 [Source:HGNC Symbol;Acc:HGNC:25	chr15:863(	NM_02248	.	.	.	NP_07192	.	protein_co	ENSG0000(	64410	25732

KLHL26	6.05198	5.08747	5.4836	6.41348	5.4726	5.49131	kelch like family member 26 [Source:HGNC Symbol;Acc:HGNC:25	chr19:1874	NM_01831	.	.	.	NP_06078	.	protein_co	ENSG0000	55295	25623
KLHL28	2.94003	2.54867	3.84317	2.31622	3.02774	4.1397	kelch like family member 28 [Source:HGNC Symbol;Acc:HGNC:19	chr14:4539	NM_00130	XM_01153	.	.	NP_00129	XP_005267	protein_co	ENSG0000	54813	19741
KLHL29	5.71487	6.00813	6.3597	4.63534	4.81046	7.28013	kelch like family member 29 [Source:HGNC Symbol;Acc:HGNC:29	chr2:23608	NM_05292	XM_00671	.	.	NP_44315	XP_006711	protein_co	ENSG0000	114818	29404
KLHL3	0	0.012818	0.031731	0	0	0	kelch like family member 3 [Source:HGNC Symbol;Acc:HGNC:635	chr5:13695	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	26249	6354
KLHL30	0.204675	0.222442	0.371528	0.364003	0.265653	0.456169	kelch like family member 30 [Source:HGNC Symbol;Acc:HGNC:24	chr2:23904	NM_19858	.	.	.	NP_94098	.	protein_co	ENSG0000	377007	24770
KLHL31	0.3385	0.347575	0.298959	0.204687	0.107973	0.255788	kelch like family member 31 [Source:HGNC Symbol;Acc:HGNC:21	chr6:53512	NM_00100	XM_00524	.	.	NP_00100	XP_005249	protein_co	ENSG0000	401265	21353
KLHL32	0.40657	0.452833	0.467852	0.407472	0.227555	0.607769	kelch like family member 32 [Source:HGNC Symbol;Acc:HGNC:21	chr6:97372	NM_00128	XM_01153	.	.	NP_00127	XP_011533	protein_co	ENSG0000	114792	21221
KLHL33	0.015306	0	0	0.016777	0.017419	0.032046	kelch like family member 33 [Source:HGNC Symbol;Acc:HGNC:31	chr14:2089	NM_00110	XM_01153	.	.	NP_00110	XP_005267	protein_co	ENSG0000	123103	31952
KLHL34	0	0	0	0	0	0	kelch like family member 34 [Source:HGNC Symbol;Acc:HGNC:26	chrX:21392	NM_15327	.	.	.	NP_69500	.	protein_co	ENSG0000	257240	26634
KLHL35	2.16904	2.7156	2.38662	1.71457	1.15146	1.32808	kelch like family member 35 [Source:HGNC Symbol;Acc:HGNC:26	chr11:7513	NM_00103	XM_01154	.	.	NP_00103	XP_011543	protein_co	ENSG0000	283212	26597
KLHL36	15.4282	16.6548	19.6446	13.1701	13.1143	15.7485	kelch like family member 36 [Source:HGNC Symbol;Acc:HGNC:17	chr16:8468	NM_00130	XM_00525	.	.	NP_00129	XP_005256	protein_co	ENSG0000	79786	17844
KLHL38	0	0	0	0	0	0	kelch like family member 38 [Source:HGNC Symbol;Acc:HGNC:34	chr8:12465	NM_00108	XM_00525	.	.	NP_00107	XP_005250	protein_co	ENSG0000	340359	34435
KLHL4	0	0	0	0	0	0	kelch like family member 4 [Source:HGNC Symbol;Acc:HGNC:635	chrX:86772	NM_01911	XM_01153	.	.	NP_06199	.	protein_co	ENSG0000	56062	6355
KLHL40	0	0	0	0	0	0	kelch like family member 40 [Source:HGNC Symbol;Acc:HGNC:30	chr3:42727	NM_15239	XM_00526	.	.	NP_68960	.	protein_co	ENSG0000	131377	30372
KLHL41	0.477172	0.135219	0.111259	0.219183	0.245759	0.235439	kelch like family member 41 [Source:HGNC Symbol;Acc:HGNC:16	chr2:17033	NM_00606	.	.	.	NP_00605	.	protein_co	ENSG0000	10324	16905
KLHL42	9.20413	9.23195	9.11885	6.92703	9.06637	8.57704	kelch like family member 42 [Source:HGNC Symbol;Acc:HGNC:29	chr12:2793	NM_02078	.	.	.	NP_06583	XP_016875	protein_co	ENSG0000	57542	29252
KLHL5	11.3719	11.74	13.5739	11.0308	12.6209	12.3441	kelch like family member 5 [Source:HGNC Symbol;Acc:HGNC:635	chr4:39046	NM_00100	XM_00526	.	.	NP_00100	XP_005262	protein_co	ENSG0000	51088	6356
KLHL6	0	0	0	0	0	0	kelch like family member 6 [Source:HGNC Symbol;Acc:HGNC:186	chr3:18320	NM_13044	XM_01151	.	.	NP_56971	XP_011511	protein_co	ENSG0000	89857	18653
KLHL7	12.1253	15.3598	17.166	14.3778	17.623	18.0876	kelch like family member 7 [Source:HGNC Symbol;Acc:HGNC:156	chr7:23145	NM_00103	XM_00671	.	.	NP_00102	XP_006715	protein_co	ENSG0000	55975	15646
KLHL8	9.82964	9.85853	10.733	9.44415	12.0452	12.9147	kelch like family member 8 [Source:HGNC Symbol;Acc:HGNC:186	chr4:88081	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	57563	18644
KLHL9	14.9786	14.2392	15.1974	12.9246	15.2891	14.3819	kelch like family member 9 [Source:HGNC Symbol;Acc:HGNC:187	chr9:21329	NM_01884	.	.	.	NP_06133	.	protein_co	ENSG0000	55958	18732
KLK1	0.8121	0.819187	1.01179	0.781144	0.518503	0.774777	kallikrein 1 [Source:HGNC Symbol;Acc:HGNC:6357]	chr19:5132	NM_00225	XM_01152	.	.	NP_00224	XP_011525	protein_co	ENSG0000	3816	6357
KLK10	5.583	6.5515	11.1048	2.6982	3.5412	3.42758	kallikrein related peptidase 10 [Source:HGNC Symbol;Acc:HGNC:6	chr19:5151	NM_00107	XM_00672	.	.	NP_00107	XP_005259	protein_co	ENSG0000	5655	6358
KLK11	0.066112	0.093478	0	0.111291	0.356316	0.221005	kallikrein related peptidase 11 [Source:HGNC Symbol;Acc:HGNC:6	chr19:5152	NM_00113	XM_01152	.	.	NP_00112	XP_011524	protein_co	ENSG0000	11012	6359
KLK12	0	0	0	0	0	0	kallikrein related peptidase 12 [Source:HGNC Symbol;Acc:HGNC:6	chr19:5153	NM_01959	XM_00525	.	.	NP_06254	XP_005259	protein_co	ENSG0000	43849	6360
KLK13	1.30493	0.798681	0.932787	0.408555	0.572332	0.466582	kallikrein related peptidase 13 [Source:HGNC Symbol;Acc:HGNC:6	chr19:5155	NM_01559	.	.	.	NP_05641	.	protein_co	ENSG0000	26085	6361
KLK14	0.171557	0.158521	0	0.184405	0.184738	0	kallikrein related peptidase 14 [Source:HGNC Symbol;Acc:HGNC:6	chr19:5158	NM_00131	XM_01152	.	.	NP_00129	XP_011525	protein_co	ENSG0000	43847	6362
KLK15	0	0.113373	0.09816	0	0	0	kallikrein related peptidase 15 [Source:HGNC Symbol;Acc:HGNC:2	chr19:5132	NM_00127	XM_01152	.	.	NP_00126	XP_006723	protein_co	ENSG0000	55554	20453
KLK2	0	0	0	0	0	0	kallikrein related peptidase 2 [Source:HGNC Symbol;Acc:HGNC:63	chr19:5137	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	3817	6363
KLK3	0	0	0	0	0	0	kallikrein related peptidase 3 [Source:HGNC Symbol;Acc:HGNC:63	chr19:5135	NM_00103	XM_01152	.	.	NP_00102	.	protein_co	ENSG0000	354	6364
KLK4	0.251471	0.062944	0.438537	0.563386	0.354985	0.139849	kallikrein related peptidase 4 [Source:HGNC Symbol;Acc:HGNC:63	chr19:5140	NM_00130	XM_01152	.	.	NP_00128	.	protein_co	ENSG0000	9622	6365
KLK5	0.573846	0.462753	1.93103	0.497089	0.528574	0.294134	kallikrein related peptidase 5 [Source:HGNC Symbol;Acc:HGNC:63	chr19:5144	NM_00107	XM_01152	.	.	NP_00107	XP_011525	protein_co	ENSG0000	25818	6366
KLK6	15.1417	13.9231	33.1553	8.74215	7.69638	9.59783	kallikrein related peptidase 6 [Source:HGNC Symbol;Acc:HGNC:63	chr19:5146	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	5653	6367
KLK7	7.27651	6.97279	19.4786	5.33318	5.83358	6.7459	kallikrein related peptidase 7 [Source:HGNC Symbol;Acc:HGNC:63	chr19:5147	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	5650	6368
KLK8	31.8263	24.0086	54.8183	28.8106	17.3219	25.8796	kallikrein related peptidase 8 [Source:HGNC Symbol;Acc:HGNC:63	chr19:5149	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	11202	6369
KLK9	0	0	0	0	0	0	kallikrein related peptidase 9 [Source:HGNC Symbol;Acc:HGNC:63	chr19:5150	NM_01231	.	.	.	NP_03644	.	protein_co	ENSG0000	284366	6370
KLKB1	0.118463	0.126252	0.056344	0.109803	0.0361	0.234733	kallikrein B1 [Source:HGNC Symbol;Acc:HGNC:6371]	chr4:18714	NM_00089	XM_01700	.	.	NP_00088	XP_011530	protein_co	ENSG0000	3818	6371
KLLN	0.537927	0.729104	0.875458	0.809621	0.605185	0.612555	killin, p53-regulated DNA replication inhibitor [Source:HGNC Sym	chr10:8961	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	100144748	37212
KLRB1	0	0	0	0	0	0	killer cell lectin like receptor B1 [Source:HGNC Symbol;Acc:HGNC	chr12:9747	NM_00225	.	.	.	NP_00224	.	protein_co	ENSG0000	3820	6373
KLRC1	0.067097	0.07232	0	0	0	0	killer cell lectin like receptor C1 [Source:HGNC Symbol;Acc:HGNC	chr12:1056	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	3821	6374
KLRC2	11.1227	10.6711	9.55303	5.64384	6.87249	10.4465	killer cell lectin like receptor C2 [Source:HGNC Symbol;Acc:HGNC	chr12:1056	NM_00226	.	.	.	NP_00225	.	protein_co	ENSG0000	3822	6375
KLRC3	2.39839	4.65774	2.66087	1.27116	2.18281	1.84318	killer cell lectin like receptor C3 [Source:HGNC Symbol;Acc:HGNC	chr12:1056	NM_00226	.	.	.	NP_00225	.	protein_co	ENSG0000	3823	6376
KLRC4	4.53596	2.66832	3.39453	1.36401	2.34027	3.53534	killer cell lectin like receptor C4 [Source:HGNC Symbol;Acc:HGNC	chr12:1055	NM_01343	.	.	.	NP_03845	.	protein_co	ENSG0000	8302	6377
KLRD1	0.006455	0.007017	0.016744	0.154012	0.150065	0.03086	killer cell lectin like receptor D1 [Source:HGNC Symbol;Acc:HGNC	chr12:1045	NM_00111	XM_01152	.	.	NP_00110	XP_006719	protein_co	ENSG0000	3824	6378
KLRF1	0	0	0	0	0	0	killer cell lectin like receptor F1 [Source:HGNC Symbol;Acc:HGNC:	chr12:9980	NM_00129	.	.	.	NP_00127	XP_016874	protein_co	ENSG0000	51348	13342
KLRF2	0	0	0	0	0	0	killer cell lectin like receptor F2 [Source:HGNC Symbol;Acc:HGNC:	chr12:1003	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	100431172	37646
KLRG1	0.514003	0.67544	0.313314	0.411	0.718142	0.655182	killer cell lectin like receptor G1 [Source:HGNC Symbol;Acc:HGNC	chr12:9142	NM_00132	.	.	.	NP_00131	XP_016874	protein_co	ENSG0000	10219	6380
KLRG2	0.29072	0.487697	0.784709	0.531831	0.33877	0.735318	killer cell lectin like receptor G2 [Source:HGNC Symbol;Acc:HGNC	chr7:13913	NM_19850	.	.	.	NP_94091	.	protein_co	ENSG0000	346689	24778
KLRK1	4.55927	3.2276	4.49808	2.1555	2.657	5.48132	killer cell lectin like receptor K1 [Source:HGNC Symbol;Acc:HGNC	chr12:1052	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100528032	18788
KMO	0.016593	0.01792	0	0	0	0	kynurenine 3-monooxygenase [Source:HGNC Symbol;Acc:HGNC:6	chr1:24169	NM_00367	XM_00527	.	.	NP_00367	XP_005273	protein_co	ENSG0000	8564	6381
KM-PA-2	0	0	0	0	0	0	KM-PA-2 protein; Uncharacterized protein [Source:UniProtKB/Tr	chr8:14531	.	.	.	.	.	.	protein_co	ENSG0000	.	.
KMT2A	9.78111	10.0969	9.4324	6.8919	8.23757	8.76044	lysine methyltransferase 2A [Source:HGNC Symbol;Acc:HGNC:71	chr11:1183	NM_00119	XM_01154	.	.	NP_00118	XP_006718	protein_co	ENSG0000	4297	7132
KMT2B	5.54223	6.23372	5.17864	5.92653	5.21682	4.13544	lysine methyltransferase 2B [Source:HGNC Symbol;Acc:HGNC:15	chr19:3620	NM_01472	XM_01702	.	.	NP_05554	XP_011525	protein_co	ENSG0000	9757	15840
KMT2C	3.41487	3.66343	3.26061	2.5279	3.07866	3.2496	lysine methyltransferase 2C [Source:HGNC Symbol;Acc:HGNC:13	chr7:15183	NM_17060	XM_01151	.	.	NP_73375	XP_005250	protein_co	ENSG0000	58508	13726
KMT2D	9.79476	10.8407	9.14845	9.35051	9.84376	8.19934	lysine methyltransferase 2D [Source:HGNC Symbol;Acc:HGNC:71	chr12:4939	NM_00348	XM_01153	.	.	NP_00347	XP_005269	protein_co	ENSG0000	8085	7133
KMT2E	9.21646	9.15059	7.60182	8.36199	9.57675	9.28884	lysine methyltransferase 2E [Source:HGNC Symbol;Acc:HGNC:18	chr7:10465	NM_01868	XM_01151	.	.	NP_06115	XP_005250	protein_co	ENSG0000	55904	18541
KMT5A	22.4473	22.9063	19.7503	26.9601	24.5742	30.8932	lysine methyltransferase 5A [Source:HGNC Symbol;Acc:HGNC:29	chr12:1238	NM_02038	XM_01153	.	.	NP_00131	XP_006719	protein_co	ENSG0000	387893	29489
KMT5B	13.6966	11.8608	12.6722	12.6361	14.2267	14.4954	lysine methyltransferase 5B [Source:HGNC Symbol;Acc:HGNC:24	chr11:6792	NM_00130	XM_01154	.	.	NP_00128	XP_005274	protein_co	ENSG0000	51111	24283
KMT5C	5.91062	5.2539	5.0669	4.28963	3.44679	4.94471	lysine methyltransferase 5C [Source:HGNC Symbol;Acc:HGNC:28	chr19:5558	NM_03270	XM_01152	.	.	NP_11609	XP_005259	protein_co	ENSG0000	84787	28405

KNCN	0	0	0	0	0	0	kinocilin [Source:HGNC Symbol;Acc:HGNC:26488]	chr1:47013	NM_00109	XM_01154	.	.	NP_00109	XP_011539	protein_co	ENSG0000	148930	26488
KNDC1	0.826132	0.794265	1.36581	1.08908	0.941465	0.963735	kinase non-catalytic C-lobe domain containing 1 [Source:HGNC Sy	chr10:1349	NM_15264	.	.	.	NP_68985	.	protein_co	ENSG0000	85442	29374
KNG1	0	0	0	0	0	0	kininogen 1 [Source:HGNC Symbol;Acc:HGNC:6383]	chr3:18643	NM_00089	.	.	.	NP_00088	.	protein_co	ENSG0000	3827	6383
KNOP1	10.2156	11.0445	11.5073	12.9442	14.7339	11.8753	lysine rich nucleolar protein 1 [Source:HGNC Symbol;Acc:HGNC:3	chr16:1971	NM_00101	XM_00672	.	.	NP_00101	XP_005255	protein_co	ENSG0000	400506	34404
KNSTRN	45.3958	41.7572	36.687	67.3087	68.7065	44.8828	kinetochore localized astrin/SPAG5 binding protein [Source:HGN	chr15:4067	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	90417	30767
KNTC1	14.8464	13.8371	15.4266	13.0993	17.449	20.1954	kinetochore associated 1 [Source:HGNC Symbol;Acc:HGNC:17255	chr12:1230	NM_01470	XM_01702	.	.	NP_05552	XP_006719	protein_co	ENSG0000	9735	17255
KPNA1	14.8396	14.4136	15.8921	14.1434	15.791	15.4061	karyopherin subunit alpha 1 [Source:HGNC Symbol;Acc:HGNC:63	chr3:12214	NM_00226	XM_01151	.	.	NP_00225	XP_005247	protein_co	ENSG0000	3836	6394
KPNA2	291.975	290.758	282.662	523.531	508.107	318.742	karyopherin subunit alpha 2 [Source:HGNC Symbol;Acc:HGNC:63	chr17:6603	NM_00132	XM_01152	.	.	NP_00130	XP_011523	protein_co	ENSG0000	3838	6395
KPNA3	19.8421	20.4847	20.4706	18.8251	25.2658	23.434	karyopherin subunit alpha 3 [Source:HGNC Symbol;Acc:HGNC:63	chr13:5027	NM_00226	.	.	.	NP_00225	XP_016876	protein_co	ENSG0000	3839	6396
KPNA4	11.0857	11.5374	11.0959	10.9369	12.7397	12.6357	karyopherin subunit alpha 4 [Source:HGNC Symbol;Acc:HGNC:63	chr3:16021	NM_00226	.	.	.	NP_00225	.	protein_co	ENSG0000	3840	6397
KPNA5	4.30856	3.18975	4.66393	2.63037	4.57474	4.56266	karyopherin subunit alpha 5 [Source:HGNC Symbol;Acc:HGNC:63	chr6:11700	NM_00226	XM_01153	.	.	NP_00226	XP_011534	protein_co	ENSG0000	3841	6398
KPNA6	27.5613	28.0637	27.9774	28.6473	29.8792	29.6058	karyopherin subunit alpha 6 [Source:HGNC Symbol;Acc:HGNC:63	chr1:32573	NM_01231	XM_01154	.	.	NP_03644	XP_005270	protein_co	ENSG0000	23633	6399
KPNA7	0.083551	0	0.036218	0	0	0.044111	karyopherin subunit alpha 7 [Source:HGNC Symbol;Acc:HGNC:21	chr7:98771	NM_00114	XM_01151	.	.	NP_00113	XP_006716	protein_co	ENSG0000	402569	21839
KPNB1	119.054	127.09	107.56	139.559	138.075	115.21	karyopherin subunit beta 1 [Source:HGNC Symbol;Acc:HGNC:640	chr17:4572	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	3837	6400
KPRP	0	0	0	0	0	0	keratinocyte proline rich protein [Source:HGNC Symbol;Acc:HGN	chr1:15273	NM_00102	XM_01150	.	.	NP_00102	XP_011507	protein_co	ENSG0000	448834	31823
KPTN	6.98422	6.45879	6.56898	10.0212	8.30246	4.89306	kaptin, actin binding protein [Source:HGNC Symbol;Acc:HGNC:64	chr19:4797	NM_00129	XM_01152	.	.	NP_00127	XP_011524	protein_co	ENSG0000	11133	6404
KRAS	18.2909	17.9362	20.572	17.4134	20.9244	24.6034	KRAS proto-oncogene, GTPase [Source:HGNC Symbol;Acc:HGNC:	chr12:2534	NM_00498	XM_01152	.	.	NP_00497	XP_006719	protein_co	ENSG0000	3845	6407
KRBA1	0	0	0.017735	0	0	0.025615	KRAB-A domain containing 1 [Source:HGNC Symbol;Acc:HGNC:22	chr7:14941	NM_00129	XM_01151	.	.	NP_00127	XP_011514	protein_co	ENSG0000	84626	22228
KRBA2	1.48601	1.45676	1.57954	1.21283	1.73684	1.7386	KRAB-A domain containing 2 [Source:HGNC Symbol;Acc:HGNC:26	chr17:8271	NM_00130	.	.	.	NP_00129	XP_005256	protein_co	ENSG0000	124751	26989
KRBOX1	0	0.133566	0	0	0	0	KRAB box domain containing 1 [Source:HGNC Symbol;Acc:HGNC:	chr3:42850	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	100506243	38708
KRBOX4	7.2978	5.2585	4.74549	5.42945	5.5272	5.14361	KRAB box domain containing 4 [Source:HGNC Symbol;Acc:HGNC:	chrX:46306	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	55634	26007
KRCC1	4.42316	4.63949	4.38923	6.73733	4.90365	9.77407	lysine rich coiled-coil 1 [Source:HGNC Symbol;Acc:HGNC:28039]	chr2:88326	NM_00130	.	.	.	NP_00129	XP_016859	protein_co	ENSG0000	51315	28039
KREMEN1	10.8648	12.4332	16.8632	13.3038	12.7876	16.6452	kringle containing transmembrane protein 1 [Source:HGNC Symb	chr22:2946	NM_00103	XM_01153	.	.	NP_00103	XP_011528	protein_co	ENSG0000	83999	17550
KREMEN2	14.4429	12.676	16.7279	9.16332	7.97182	7.62654	kringle containing transmembrane protein 2 [Source:HGNC Symb	chr16:3013	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	79412	18797
KRI1	14.4602	15.0542	14.0688	16.9154	15.3262	12.2039	KRI1 homolog [Source:HGNC Symbol;Acc:HGNC:25769]	chr19:1065	NM_02300	XM_01152	.	.	NP_07538	XP_011526	protein_co	ENSG0000	65095	25769
KRIT1	8.05863	7.23203	8.40266	5.17258	8.79476	7.25779	KRIT1, ankyrin repeat containing [Source:HGNC Symbol;Acc:HGN	chr7:91828	NM_00101	XM_01151	.	.	NP_00101	XP_005250	protein_co	ENSG0000	889	1573
KRR1	63.674	62.8618	62.8389	94.7077	101.204	83.1171	KRR1, small subunit processome component homolog [Source:H	chr12:7587	NM_00704	.	.	.	NP_00897	.	protein_co	ENSG0000	11103	5176
KRT1	0	0	0	0	0	0	keratin 1 [Source:HGNC Symbol;Acc:HGNC:6412]	chr12:5306	NM_00612	.	.	.	NP_00611	.	protein_co	ENSG0000	3848	6412
KRT10	12.1823	11.9085	11.3443	12.615	12.9761	11.3134	keratin 10 [Source:HGNC Symbol;Acc:HGNC:6413]	chr17:3897	NM_00042	XM_00525	.	.	NP_00041	XP_005257	protein_co	ENSG0000	3858	6413
KRT12	0.03937	0.039978	0.034073	0	0	0	keratin 12 [Source:HGNC Symbol;Acc:HGNC:6414]	chr17:3901	NM_00022	.	.	.	NP_00021	.	protein_co	ENSG0000	3859	6414
KRT13	0.249377	0.446966	0.342886	0.168202	0.145119	0.083034	keratin 13 [Source:HGNC Symbol;Acc:HGNC:6415]	chr17:3965	NM_00227	.	.	.	NP_00226	.	protein_co	ENSG0000	3860	6415
KRT14	0.076801	0.113759	0	0.123684	0.044613	0.084977	keratin 14 [Source:HGNC Symbol;Acc:HGNC:6416]	chr17:3973	NM_00052	.	.	.	NP_00051	.	protein_co	ENSG0000	3861	6416
KRT15	6.4835	6.87735	8.56332	2.68394	2.48621	2.41516	keratin 15 [Source:HGNC Symbol;Acc:HGNC:6421]	chr17:3966	NM_00227	XM_01152	NR_10676	.	NP_00226	XP_005257	protein_co	ENSG0000	102466658	6421
KRT16	0.526465	0.678528	0.175415	0.607167	0.327512	0.491732	keratin 16 [Source:HGNC Symbol;Acc:HGNC:6423]	chr17:3976	NM_00555	.	.	.	NP_00554	.	protein_co	ENSG0000	3868	6423
KRT17	1.47945	1.6621	0.189831	0.630882	0.689888	0.98733	keratin 17 [Source:HGNC Symbol;Acc:HGNC:6427]	chr17:3977	NM_00042	.	.	.	NP_00041	.	protein_co	ENSG0000	3872	6427
KRT18	398.185	398.228	374.384	589.138	465.196	437.296	keratin 18 [Source:HGNC Symbol;Acc:HGNC:6430]	chr12:5329	NM_00022	.	.	.	NP_00021	.	protein_co	ENSG0000	3875	6430
KRT19	762.09	762.528	903.398	625.706	521.597	428.593	keratin 19 [Source:HGNC Symbol;Acc:HGNC:6436]	chr17:3967	NM_00227	.	.	.	NP_00226	.	protein_co	ENSG0000	3880	6436
KRT2	0	0	0	0	0	0	keratin 2 [Source:HGNC Symbol;Acc:HGNC:6439]	chr12:5303	NM_00042	.	.	.	NP_00041	.	protein_co	ENSG0000	3849	6439
KRT20	0.595095	0.620408	1.33366	0.99924	0.669811	0.227436	keratin 20 [Source:HGNC Symbol;Acc:HGNC:20412]	chr17:3903	NM_01901	.	.	.	NP_06188	.	protein_co	ENSG0000	54474	20412
KRT222	3.46948	3.35822	3.56855	3.82342	3.70628	3.75738	keratin 222 [Source:HGNC Symbol;Acc:HGNC:28695]	chr17:3881	NM_15234	.	.	.	NP_68956	.	protein_co	ENSG0000	125113	28695
KRT23	14.5994	11.911	18.2509	8.07517	6.48805	8.15279	keratin 23 [Source:HGNC Symbol;Acc:HGNC:6438]	chr17:3907	NM_00128	XM_01152	.	.	NP_00126	XP_005257	protein_co	ENSG0000	25984	6438
KRT24	0	0	0	0	0	0	keratin 24 [Source:HGNC Symbol;Acc:HGNC:18527]	chr17:3885	NM_01901	XM_01152	.	.	NP_06188	XP_006721	protein_co	ENSG0000	192666	18527
KRT25	0	0	0	0	0	0	keratin 25 [Source:HGNC Symbol;Acc:HGNC:30839]	chr17:3890	NM_18153	XM_01152	.	.	NP_85351	XP_011522	protein_co	ENSG0000	147183	30839
KRT26	0	0	0	0	0	0	keratin 26 [Source:HGNC Symbol;Acc:HGNC:30840]	chr17:3892	NM_18153	.	.	.	NP_85351	.	protein_co	ENSG0000	353288	30840
KRT27	0	0	0	0	0	0	keratin 27 [Source:HGNC Symbol;Acc:HGNC:30841]	chr17:3893	NM_18153	.	.	.	NP_85351	.	protein_co	ENSG0000	342574	30841
KRT28	0	0	0	0	0	0	keratin 28 [Source:HGNC Symbol;Acc:HGNC:30842]	chr17:3894	NM_18153	.	.	.	NP_85351	.	protein_co	ENSG0000	162605	30842
KRT3	0	0	0	0	0	0	keratin 3 [Source:HGNC Symbol;Acc:HGNC:6440]	chr12:5318	NM_05708	XM_01153	.	.	NP_47642	.	protein_co	ENSG0000	3850	6440
KRT31	0	0.089828	0.039275	0	0.052903	0	keratin 31 [Source:HGNC Symbol;Acc:HGNC:6448]	chr17:3954	NM_00227	.	.	.	NP_00226	.	protein_co	ENSG0000	3881	6448
KRT32	1.45663	0.480315	0.980133	0.778892	0.234835	0.134262	keratin 32 [Source:HGNC Symbol;Acc:HGNC:6449]	chr17:3961	NM_00227	.	.	.	NP_00226	.	protein_co	ENSG0000	3882	6449
KRT33A	0	0	0	0	0	0	keratin 33A [Source:HGNC Symbol;Acc:HGNC:6450]	chr17:3950	NM_00413	.	.	.	NP_00412	.	protein_co	ENSG0000	3883	6450
KRT33B	0	0	0	0	0	0	keratin 33B [Source:HGNC Symbol;Acc:HGNC:6451]	chr17:3951	NM_00227	.	.	.	NP_00227	.	protein_co	ENSG0000	3884	6451
KRT34	0.076725	0.115248	0.033164	0	0.044184	0.083758	keratin 34 [Source:HGNC Symbol;Acc:HGNC:6452]	chr17:3953	NM_02101	XM_01152	.	.	NP_06629	XP_011523	protein_co	ENSG0000	3885	6452
KRT35	0	0	0	0	0	0	keratin 35 [Source:HGNC Symbol;Acc:HGNC:6453]	chr17:3963	NM_00228	XM_01152	.	.	NP_00227	XP_011523	protein_co	ENSG0000	3886	6453
KRT36	0.041184	0.122635	0.071498	0	0.046665	0	keratin 36 [Source:HGNC Symbol;Acc:HGNC:6454]	chr17:3964	NM_00377	XM_00525	.	.	NP_00376	XP_005257	protein_co	ENSG0000	8689	6454
KRT37	0.043386	0	0	0.09314	0	0	keratin 37 [Source:HGNC Symbol;Acc:HGNC:6455]	chr17:3957	NM_00377	.	.	.	NP_00376	.	protein_co	ENSG0000	8688	6455
KRT38	0.030358	0	0	0	0	0	keratin 38 [Source:HGNC Symbol;Acc:HGNC:6456]	chr17:3959	NM_00677	.	.	.	NP_00676	.	protein_co	ENSG0000	8687	6456
KRT39	0	0.037385	0.031399	0	0.12179	0.112047	keratin 39 [Source:HGNC Symbol;Acc:HGNC:32971]	chr17:3911	NM_21365	.	.	.	NP_99882	.	protein_co	ENSG0000	390792	32971
KRT4	0	0	0	0.053085	0	0	keratin 4 [Source:HGNC Symbol;Acc:HGNC:6441]	chr12:5320	NM_00227	.	.	.	NP_00226	.	protein_co	ENSG0000	3851	6441
KRT40	0	0	0	0	0	0	keratin 40 [Source:HGNC Symbol;Acc:HGNC:26707]	chr17:3913	NM_18249	XM_01152	.	.	NP_87230	XP_011522	protein_co	ENSG0000	125115	26707

KRT5	0.05592	0.027964	0.024191	0.090581	0.032356	0.030443	keratin 5 [Source:HGNC Symbol;Acc:HGNC:6442]	chr12:5290	NM_00042	.	.	.	NP_00041	.	protein_co	ENSG0000	3852	6442
KRT6A	0.25876	0.289975	0.02487	0.374377	0.164548	0.031025	keratin 6A [Source:HGNC Symbol;Acc:HGNC:6443]	chr12:5288	NM_00555	.	.	.	NP_00554	.	protein_co	ENSG0000	3853	6443
KRT6B	0	0.140622	0	0.060538	0.063481	0	keratin 6B [Source:HGNC Symbol;Acc:HGNC:6444]	chr12:5284	NM_00555	.	.	.	NP_00554	.	protein_co	ENSG0000	3854	6444
KRT6C	0	0	0	0	0	0	keratin 6C [Source:HGNC Symbol;Acc:HGNC:20406]	chr12:5286	NM_17308	.	.	.	NP_77510	.	protein_co	ENSG0000	286887	20406
KRT7	3.15353	3.7333	2.63671	0.327688	0.408191	0.437637	keratin 7 [Source:HGNC Symbol;Acc:HGNC:6445]	chr12:5262	NM_00555	.	.	.	NP_00554	.	protein_co	ENSG0000	3855	6445
KRT71	0	0	0	0	0.033372	0	keratin 71 [Source:HGNC Symbol;Acc:HGNC:28927]	chr12:5293	NM_03344	XM_01701	.	.	NP_25825	XP_01687	protein_co	ENSG0000	112802	28927
KRT72	0	0	0	0.042433	0	0	keratin 72 [Source:HGNC Symbol;Acc:HGNC:28932]	chr12:5297	NM_00114	XM_01153	.	.	NP_00113	.	protein_co	ENSG0000	140807	28932
KRT73	0	0	0	0	0	0	keratin 73 [Source:HGNC Symbol;Acc:HGNC:28928]	chr12:5300	NM_17506	XM_01153	.	.	NP_77823	XP_01153	protein_co	ENSG0000	319101	28928
KRT74	0	0	0.020611	0.025719	0	0	keratin 74 [Source:HGNC Symbol;Acc:HGNC:28929]	chr12:5295	NM_17505	XM_01153	.	.	NP_77822	XP_01153	protein_co	ENSG0000	121391	28929
KRT75	0	0	0	0	0	0	keratin 75 [Source:HGNC Symbol;Acc:HGNC:24431]	chr12:5281	NM_00469	.	.	.	NP_00468	.	protein_co	ENSG0000	9119	24431
KRT76	0	0	0	0	0	0	keratin 76 [Source:HGNC Symbol;Acc:HGNC:24430]	chr12:5316	NM_01584	.	.	.	NP_05693	.	protein_co	ENSG0000	51350	24430
KRT77	0	0	0	0	0	0	keratin 77 [Source:HGNC Symbol;Acc:HGNC:20411]	chr12:5308	NM_17507	.	.	.	NP_77825	.	protein_co	ENSG0000	374454	20411
KRT78	0.028643	0.03608	0	0	0.04174	0	keratin 78 [Source:HGNC Symbol;Acc:HGNC:28926]	chr12:5323	NM_00130	XM_01153	.	.	NP_00128	XP_01153	protein_co	ENSG0000	196374	28926
KRT79	0	0	0	0	0	0	keratin 79 [Source:HGNC Symbol;Acc:HGNC:28930]	chr12:5321	NM_17583	.	.	.	NP_78702	.	protein_co	ENSG0000	338785	28930
KRT8	716.247	744.624	803.851	1050.15	866.193	765.72	keratin 8 [Source:HGNC Symbol;Acc:HGNC:6446]	chr12:5329	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	3856	6446
KRT80	1.37247	1.53528	0.543674	0.637714	0.763687	0.423496	keratin 80 [Source:HGNC Symbol;Acc:HGNC:27056]	chr12:5256	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	144501	27056
KRT81	0.039462	0.077251	0.102143	0.178851	0.046069	0	keratin 81 [Source:HGNC Symbol;Acc:HGNC:6458]	chr12:5266	NM_00228	XM_01153	.	.	NP_00227	XP_01153	protein_co	ENSG0000	3887	6458
KRT82	0	0	0	0	0	0	keratin 82 [Source:HGNC Symbol;Acc:HGNC:6459]	chr12:5278	NM_03303	.	.	.	NP_14902	.	protein_co	ENSG0000	3888	6459
KRT83	0	0.075205	0.033	0	0	0	keratin 83 [Source:HGNC Symbol;Acc:HGNC:6460]	chr12:5270	NM_00228	.	.	.	NP_00227	.	protein_co	ENSG0000	3889	6460
KRT84	0	0	0	0	0	0	keratin 84 [Source:HGNC Symbol;Acc:HGNC:6461]	chr12:5277	NM_03304	XM_01153	.	.	NP_14903	XP_01153	protein_co	ENSG0000	3890	6461
KRT85	0	0	0	0	0	0	keratin 85 [Source:HGNC Symbol;Acc:HGNC:6462]	chr12:5275	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	3891	6462
KRT86	0.078406	0.229673	0.168962	0.041902	0	0.087383	keratin 86 [Source:HGNC Symbol;Acc:HGNC:6463]	chr12:5266	NM_00132	XM_01153	.	.	NP_00130	XP_00526	protein_co	ENSG0000	3892	6463
KRT9	0.087377	0.029826	0.026142	0.095908	0	0.094161	keratin 9 [Source:HGNC Symbol;Acc:HGNC:6447]	chr17:3972	NM_00022	.	.	.	NP_00021	.	protein_co	ENSG0000	3857	6447
KRTAP10-1	0	0	0	0	0	0	keratin associated protein 10-1 [Source:HGNC Symbol;Acc:HGNC	chr21:4591	NM_19869	.	.	.	NP_94196	.	protein_co	ENSG0000	386677	22966
KRTAP10-10	0	0	0	0	0	0	keratin associated protein 10-10 [Source:HGNC Symbol;Acc:HGN	chr21:4591	NM_18168	.	.	.	NP_85901	.	protein_co	ENSG0000	353333	22972
KRTAP10-11	0	0	0	0	0	0	keratin associated protein 10-11 [Source:HGNC Symbol;Acc:HGN	chr21:4591	NM_19869	.	.	.	NP_94196	.	protein_co	ENSG0000	386678	20528
KRTAP10-12	0	0	0	0	0	0	keratin associated protein 10-12 [Source:HGNC Symbol;Acc:HGN	chr21:4591	NM_19869	.	.	.	NP_94197	.	protein_co	ENSG0000	386685	20533
KRTAP10-2	0	0	0	0	0	0	keratin associated protein 10-2 [Source:HGNC Symbol;Acc:HGNC	chr21:4591	NM_19869	.	.	.	NP_94196	.	protein_co	ENSG0000	386679	22967
KRTAP10-3	0	0	0	0	0	0	keratin associated protein 10-3 [Source:HGNC Symbol;Acc:HGNC	chr21:4591	NM_19869	.	.	.	NP_94196	.	protein_co	ENSG0000	386682	22968
KRTAP10-4	0	0	0	0	0	0	keratin associated protein 10-4 [Source:HGNC Symbol;Acc:HGNC	chr21:4591	NM_19868	.	.	.	NP_94196	.	protein_co	ENSG0000	386672	20521
KRTAP10-5	0	0	0	0	0	0	keratin associated protein 10-5 [Source:HGNC Symbol;Acc:HGNC	chr21:4591	NM_19869	.	.	.	NP_94196	.	protein_co	ENSG0000	386680	22969
KRTAP10-6	0	0	0	0	0	0	keratin associated protein 10-6 [Source:HGNC Symbol;Acc:HGNC	chr21:4591	NM_19868	.	.	.	NP_94196	.	protein_co	ENSG0000	386674	20523
KRTAP10-7	0	0	0	0	0	0	keratin associated protein 10-7 [Source:HGNC Symbol;Acc:HGNC	chr21:4591	NM_19868	.	.	.	NP_94196	.	protein_co	ENSG0000	386675	22970
KRTAP10-8	0	0	0	0	0	0	keratin associated protein 10-8 [Source:HGNC Symbol;Acc:HGNC	chr21:4591	NM_19869	.	.	.	NP_94196	.	protein_co	ENSG0000	386681	20525
KRTAP10-9	0	0	0	0	0	0	keratin associated protein 10-9 [Source:HGNC Symbol;Acc:HGNC	chr21:4591	NM_19869	.	.	.	NP_94196	.	protein_co	ENSG0000	386676	22971
KRTAP1-1	0	0	0	0.13474	0.144538	0	keratin associated protein 1-1 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3919	NM_03096	.	.	.	NP_11222	.	protein_co	ENSG0000	81851	16772
KRTAP11-1	0	0	0	0	0	0	keratin associated protein 11-1 [Source:HGNC Symbol;Acc:HGNC	chr21:3225	NM_17585	.	.	.	NP_78705	.	protein_co	ENSG0000	337880	18922
KRTAP12-1	0	0	0	0	0	0	keratin associated protein 12-1 [Source:HGNC Symbol;Acc:HGNC	chr21:4591	NM_18168	.	.	.	NP_85901	.	protein_co	ENSG0000	353332	20529
KRTAP12-2	0	0	0	0	0	0	keratin associated protein 12-2 [Source:HGNC Symbol;Acc:HGNC	chr21:4591	NM_18168	.	.	.	NP_85901	.	protein_co	ENSG0000	353323	20530
KRTAP12-3	0	0	0	0	0	0	keratin associated protein 12-3 [Source:HGNC Symbol;Acc:HGNC	chr21:4591	NM_19869	.	.	.	NP_94197	.	protein_co	ENSG0000	386683	20531
KRTAP12-4	0	0	0	0	0	0	keratin associated protein 12-4 [Source:HGNC Symbol;Acc:HGNC	chr21:4591	NM_19869	.	.	.	NP_94197	.	protein_co	ENSG0000	386684	20532
KRTAP1-3	0	0	0	0	0	0	keratin associated protein 1-3 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3919	NM_03096	.	.	.	NP_11222	.	protein_co	ENSG0000	81850	16771
KRTAP13-1	0	0	0	0	0	0	keratin associated protein 13-1 [Source:HGNC Symbol;Acc:HGNC	chr21:3176	NM_18159	.	.	.	NP_85363	.	protein_co	ENSG0000	140258	18924
KRTAP13-2	0	0	0	0	0	0	keratin associated protein 13-2 [Source:HGNC Symbol;Acc:HGNC	chr21:3174	NM_18162	.	.	.	NP_85365	.	protein_co	ENSG0000	337959	18923
KRTAP13-3	0	0	0	0	0	0	keratin associated protein 13-3 [Source:HGNC Symbol;Acc:HGNC	chr21:3179	NM_18162	.	.	.	NP_85365	.	protein_co	ENSG0000	337960	18925
KRTAP13-4	0	0	0	0	0	0	keratin associated protein 13-4 [Source:HGNC Symbol;Acc:HGNC	chr21:3180	NM_18160	.	.	.	NP_85363	.	protein_co	ENSG0000	284827	18926
KRTAP1-4	0	0	0	0	0	0	keratin associated protein 1-4 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3918	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	728255	18904
KRTAP1-5	0	0	0	0	0	0	keratin associated protein 1-5 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3918	NM_03195	.	.	.	NP_11416	.	protein_co	ENSG0000	83895	16777
KRTAP15-1	0	0	0	0	0	0	keratin associated protein 15-1 [Source:HGNC Symbol;Acc:HGNC	chr21:3181	NM_18162	.	.	.	NP_85365	.	protein_co	ENSG0000	254950	18927
KRTAP16-1	0	0	0	0	0	0	keratin associated protein 16-1 [Source:HGNC Symbol;Acc:HGNC	chr17:3946	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	100505753	18916
KRTAP17-1	0	0	0	0	0	0	keratin associated protein 17-1 [Source:HGNC Symbol;Acc:HGNC	chr17:3947	NM_03196	.	.	.	NP_11417	.	protein_co	ENSG0000	83902	18917
KRTAP19-1	0	0	0	0	0	0	keratin associated protein 19-1 [Source:HGNC Symbol;Acc:HGNC	chr21:3185	NM_18160	.	.	.	NP_85363	.	protein_co	ENSG0000	337882	18936
KRTAP19-2	0	0	0	0	0	0	keratin associated protein 19-2 [Source:HGNC Symbol;Acc:HGNC	chr21:3185	NM_18160	.	.	.	NP_85363	.	protein_co	ENSG0000	337969	18937
KRTAP19-3	0	0	0	0	0	0	keratin associated protein 19-3 [Source:HGNC Symbol;Acc:HGNC	chr21:3186	NM_18160	.	.	.	NP_85364	.	protein_co	ENSG0000	337970	18938
KRTAP19-4	0	0	0	0	0	0	keratin associated protein 19-4 [Source:HGNC Symbol;Acc:HGNC	chr21:3186	NM_18161	.	.	.	NP_85364	.	protein_co	ENSG0000	337971	18939
KRTAP19-5	0	0	0	0	0	0	keratin associated protein 19-5 [Source:HGNC Symbol;Acc:HGNC	chr21:3187	NM_18161	.	.	.	NP_85364	.	protein_co	ENSG0000	337972	18940
KRTAP19-6	0	0	0	0	0	0	keratin associated protein 19-6 [Source:HGNC Symbol;Acc:HGNC	chr21:3191	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	337973	18941
KRTAP19-7	0	0	0	0	0	0	keratin associated protein 19-7 [Source:HGNC Symbol;Acc:HGNC	chr21:3191	NM_18161	.	.	.	NP_85364	.	protein_co	ENSG0000	337974	18942
KRTAP19-8	0	0	0	0	0	0	keratin associated protein 19-8 [Source:HGNC Symbol;Acc:HGNC	chr21:3241	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	728299	33898

KRTAP20-1	0	0	0	0	0	0	keratin associated protein 20-1 [Source:HGNC Symbol;Acc:HGNC	chr21:3198	NM_18161	.	.	.	NP_85364	.	protein_co	ENSG0000	337975	18943
KRTAP20-2	0	0	0	0	0	0	keratin associated protein 20-2 [Source:HGNC Symbol;Acc:HGNC	chr21:3200	NM_18161	.	.	.	NP_85364	.	protein_co	ENSG0000	337976	18944
KRTAP20-3	0	0	0	0	0	0	keratin associated protein 20-3 [Source:HGNC Symbol;Acc:HGNC	chr21:3201	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	337985	34001
KRTAP20-4	0	0	0	0	0	0	keratin associated protein 20-4 [Source:HGNC Symbol;Acc:HGNC	chr21:3199	.	.	.	.	.	.	protein_co	ENSG0000	.	34002
KRTAP2-1	0.195753	0.192435	0.165124	0	0	0	keratin associated protein 2-1 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3920	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	81872	16775
KRTAP21-1	0	0	0	0	0	0	keratin associated protein 21-1 [Source:HGNC Symbol;Acc:HGNC	chr21:3212	NM_18161	.	.	.	NP_85365	.	protein_co	ENSG0000	337977	18945
KRTAP21-2	0	0	0	0	0	0	keratin associated protein 21-2 [Source:HGNC Symbol;Acc:HGNC	chr21:3211	NM_18161	.	.	.	NP_85364	.	protein_co	ENSG0000	337978	18946
KRTAP21-3	0	0	0	0	0	0	keratin associated protein 21-3 [Source:HGNC Symbol;Acc:HGNC	chr21:3209	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	100288323	34216
KRTAP2-2	0.589538	0.770322	1.33301	0.208585	0.228652	0.221122	keratin associated protein 2-2 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3921	NM_03303	.	.	.	NP_14902	.	protein_co	ENSG0000	728279	18905
KRTAP22-1	0	0	0	0	0	0	keratin associated protein 22-1 [Source:HGNC Symbol;Acc:HGNC	chr21:3197	NM_18162	.	.	.	NP_85365	.	protein_co	ENSG0000	337979	18947
KRTAP22-2	0	0	0	0	0	0	keratin associated protein 22-2 [Source:HGNC Symbol;Acc:HGNC	chr21:3196	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	100288287	37091
KRTAP2-3	16.2538	16.7349	13.0341	4.47412	4.00097	3.45926	keratin associated protein 2-3 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3921	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	730755	18906
KRTAP23-1	0	0	0	0	0	0	keratin associated protein 23-1 [Source:HGNC Symbol;Acc:HGNC	chr21:3172	NM_18162	.	.	.	NP_85365	.	protein_co	ENSG0000	337963	18928
KRTAP2-4	0.928004	0.933112	0.157057	0.198976	0	0	keratin associated protein 2-4 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3922	NM_03318	.	.	.	NP_14944	.	protein_co	ENSG0000	85294	18891
KRTAP24-1	0	0	0	0	0	0	keratin associated protein 24-1 [Source:HGNC Symbol;Acc:HGNC	chr21:3165	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	643803	33902
KRTAP25-1	0	0	0	0	0	0	keratin associated protein 25-1 [Source:HGNC Symbol;Acc:HGNC	chr21:3166	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	100131902	34003
KRTAP26-1	0	0	0	0	0	0	keratin associated protein 26-1 [Source:HGNC Symbol;Acc:HGNC	chr21:3169	NM_20340	.	.	.	NP_98195	.	protein_co	ENSG0000	388818	33760
KRTAP27-1	0	0	0	0	0	0	keratin associated protein 27-1 [Source:HGNC Symbol;Acc:HGNC	chr21:3170	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	643812	33864
KRTAP29-1	0.106066	0	0	0	0	0	keratin associated protein 29-1 [Source:HGNC Symbol;Acc:HGNC	chr17:3945	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	100533177	34211
KRTAP3-1	1.33505	0.970778	2.11888	0	0	0	keratin associated protein 3-1 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3916	NM_03195	.	.	.	NP_11416	.	protein_co	ENSG0000	83896	16778
KRTAP3-2	0	0	0	0	0	0	keratin associated protein 3-2 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3915	NM_03195	.	.	.	NP_11416	.	protein_co	ENSG0000	83897	16779
KRTAP3-3	0	0	0	0	0	0	keratin associated protein 3-3 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3914	NM_03318	.	.	.	NP_14944	.	protein_co	ENSG0000	85293	18890
KRTAP4-1	0	0	0	0	0	0	keratin associated protein 4-1 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3934	NM_03306	.	.	.	NP_14904	.	protein_co	ENSG0000	85285	18907
KRTAP4-11	0	0	0	0.12605	0	0	keratin associated protein 4-11 [Source:HGNC Symbol;Acc:HGNC	chr17:3927	NM_00132	.	.	.	NP_00130	.	protein_co	ENSG0000	728224	18911
KRTAP4-12	0	0	0.102836	0.265943	0	0	keratin associated protein 4-12 [Source:HGNC Symbol;Acc:HGNC	chr17:3927	NM_03185	.	.	.	NP_11406	.	protein_co	ENSG0000	83755	16776
KRTAP4-16	0	0	0.182445	0	0	0	keratin associated protein 4-16 [Source:HGNC Symbol;Acc:HGNC	chr17:3924	.	.	.	.	.	.	protein_co	ENSG0000	.	18921
KRTAP4-2	0	0	0	0	0	0	keratin associated protein 4-2 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3933	NM_03306	.	.	.	NP_14905	.	protein_co	ENSG0000	85291	18900
KRTAP4-3	0	0	0	0	0	0	keratin associated protein 4-3 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3932	NM_03318	.	.	.	NP_14944	.	protein_co	ENSG0000	85290	18908
KRTAP4-4	0	0	0	0	0	0	keratin associated protein 4-4 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3931	NM_03252	.	.	.	NP_11591	.	protein_co	ENSG0000	84616	16928
KRTAP4-5	0	0	0	0	0	0	keratin associated protein 4-5 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3930	NM_03318	.	.	.	NP_14944	.	protein_co	ENSG0000	85289	18899
KRTAP4-6	0.127369	0	0	0	0	0	keratin associated protein 4-6 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3929	NM_03097	.	.	.	NP_11223	.	protein_co	ENSG0000	81871	18909
KRTAP4-7	0.258427	0.266962	0.43915	0	0.463223	0	keratin associated protein 4-7 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3924	NM_03306	.	.	.	NP_14905	.	protein_co	ENSG0000	100132476	18898
KRTAP4-8	0	0.124399	0	0	0	0	keratin associated protein 4-8 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3924	NM_03196	.	.	.	NP_11416	.	protein_co	ENSG0000	728224	17230
KRTAP4-9	0	0	0	0	0	0	keratin associated protein 4-9 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3924	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	100132386	18910
KRTAP5-1	0	0	0	0.137683	0	0	keratin associated protein 5-1 [Source:HGNC Symbol;Acc:HGNC:2	chr11:1605	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	387264	23596
KRTAP5-10	0	0.097337	0.248083	0	0.11134	0.104542	keratin associated protein 5-10 [Source:HGNC Symbol;Acc:HGNC	chr11:7127	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	387273	23605
KRTAP5-11	0	0	0	0	0	0	keratin associated protein 5-11 [Source:HGNC Symbol;Acc:HGNC	chr11:7129	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	440051	23606
KRTAP5-2	0	0	0	0	0	0	keratin associated protein 5-2 [Source:HGNC Symbol;Acc:HGNC:2	chr11:1618	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	440021	23597
KRTAP5-3	0	0	0	0	0	0	keratin associated protein 5-3 [Source:HGNC Symbol;Acc:HGNC:2	chr11:1628	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	387266	23598
KRTAP5-4	0	0	0	0	0	0	keratin associated protein 5-4 [Source:HGNC Symbol;Acc:HGNC:2	chr11:1642	.	.	.	.	.	.	protein_co	ENSG0000	387267	23599
KRTAP5-5	0	0	0	0	0	0	keratin associated protein 5-5 [Source:HGNC Symbol;Acc:HGNC:2	chr11:1651	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	439915	23601
KRTAP5-6	0	0	0.210234	0	0	0	keratin associated protein 5-6 [Source:HGNC Symbol;Acc:HGNC:2	chr11:1718	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	440023	23600
KRTAP5-7	0	0	0	0	0	0.085576	keratin associated protein 5-7 [Source:HGNC Symbol;Acc:HGNC:2	chr11:7123	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	440050	23602
KRTAP5-8	0	0.094881	0.079715	0	0	0.101726	keratin associated protein 5-8 [Source:HGNC Symbol;Acc:HGNC:2	chr11:7124	NM_02104	.	.	.	NP_06638	.	protein_co	ENSG0000	57830	23603
KRTAP5-9	0	0.094736	0.16037	0.201432	0.213768	0.100196	keratin associated protein 5-9 [Source:HGNC Symbol;Acc:HGNC:2	chr11:7125	NM_00555	.	.	.	NP_00554	.	protein_co	ENSG0000	3846	23604
KRTAP6-1	0	0	0	0	0	0	keratin associated protein 6-1 [Source:HGNC Symbol;Acc:HGNC:1	chr21:3198	NM_18160	.	.	.	NP_85363	.	protein_co	ENSG0000	337966	18931
KRTAP6-2	0	0	0	0	0	0	keratin associated protein 6-2 [Source:HGNC Symbol;Acc:HGNC:1	chr21:3197	NM_18160	.	.	.	NP_85363	.	protein_co	ENSG0000	337967	18932
KRTAP6-3	0	0	0	0	0	0	keratin associated protein 6-3 [Source:HGNC Symbol;Acc:HGNC:1	chr21:3196	NM_18160	.	.	.	NP_85363	.	protein_co	ENSG0000	337968	18933
KRTAP7-1	0	0	0	0	0	0	keratin associated protein 7-1 (gene/pseudogene) [Source:HGNC	chr21:3220	NM_18160	.	.	.	NP_85363	.	protein_co	ENSG0000	337878	18934
KRTAP8-1	0	0	0	0	0	0	keratin associated protein 8-1 [Source:HGNC Symbol;Acc:HGNC:1	chr21:3218	NM_17585	.	.	.	NP_78705	.	protein_co	ENSG0000	337879	18935
KRTAP9-1	0	0	0	0	0	0	keratin associated protein 9-1 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3934	NM_00119	XM_00525	.	.	NP_00117	XP_005257	protein_co	ENSG0000	728318	18912
KRTAP9-2	0	0	0	0	0	0	keratin associated protein 9-2 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3938	NM_03196	.	.	.	NP_11416	.	protein_co	ENSG0000	83901	16926
KRTAP9-3	0	0	0	0	0	0	keratin associated protein 9-3 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3938	NM_03196	.	.	.	NP_11416	.	protein_co	ENSG0000	83900	16927
KRTAP9-4	0	0	0	0	0	0	keratin associated protein 9-4 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3940	NM_03319	.	.	.	NP_14946	.	protein_co	ENSG0000	85280	18902
KRTAP9-6	0	0	0	0	0	0	keratin associated protein 9-6 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3942	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	100507608	18914
KRTAP9-7	0	0	0	0	0	0	keratin associated protein 9-7 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3943	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	100505724	18915
KRTAP9-8	0	0	0	0	0	0	keratin associated protein 9-8 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3938	NM_03196	XM_01703	.	.	NP_11416	XP_016855	protein_co	ENSG0000	83901	17231
KRTAP9-9	0	0	0	0	0	0	keratin associated protein 9-9 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3941	NM_03097	.	.	.	NP_11223	.	protein_co	ENSG0000	81870	16773
KRTCAP2	182.229	175.656	131.171	197.777	151.731	129.84	keratinocyte associated protein 2 [Source:HGNC Symbol;Acc:HGN	chr1:15514	NM_17385	.	.	.	NP_77625	.	protein_co	ENSG0000	200185	28942

KRTCAP3	55.1833	56.7384	44.4624	55.0596	42.7441	34.1601	keratinocyte associated protein 3 [Source:HGNC Symbol;Acc:HGN	chr2:27665	NM_00116	XM_00526	.	.	NP_00116	XP_005264	protein_co	ENSG0000	200634	28943
KRTDAP	0.545816	0.733253	1.04022	1.58438	1.07522	0.498379	keratinocyte differentiation associated protein [Source:HGNC Syr	chr19:3597	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	388533	16313
KSR1	3.5201	3.77489	3.97322	4.38592	3.35608	5.28454	kinase suppressor of ras 1 [Source:HGNC Symbol;Acc:HGNC:6465	chr17:2579	NM_01423	XM_01152	.	.	NP_05505	XP_006722	protein_co	ENSG0000	8844	6465
KSR2	1.50179	1.50217	3.81895	1.43683	1.57272	2.76894	kinase suppressor of ras 2 [Source:HGNC Symbol;Acc:HGNC:1861	chr12:1178	NM_17359	XM_01701	.	.	NP_77586	XP_011536	protein_co	ENSG0000	283455	18610
KTI12	11.3199	11.5223	10.1534	14.2378	11.5333	8.27831	KTI12 chromatin associated homolog [Source:HGNC Symbol;Acc:I	chr1:52485	NM_13841	.	.	.	NP_61242	.	protein_co	ENSG0000	112970	25160
KTN1	37.3659	31.8853	31.809	28.6094	33.7854	32.8566	kinectin 1 [Source:HGNC Symbol;Acc:HGNC:6467]	chr14:5604	NM_00107	XM_01702	.	.	NP_00107	XP_006720	protein_co	ENSG0000	3895	6467
KXD1	75.873	73.9159	75.9433	86.8778	71.3059	67.7826	KxDL motif containing 1 [Source:HGNC Symbol;Acc:HGNC:28420]	chr19:1866	NM_00117	XM_01152	.	.	NP_00116	XP_006722	protein_co	ENSG0000	79036	28420
KY	0	0.026982	0	0	0.030981	0	kyphoscoliosis peptidase [Source:HGNC Symbol;Acc:HGNC:26576	chr3:13432	NM_17855	XM_00671	.	.	NP_84864	XP_005247	protein_co	ENSG0000	339855	26576
KYAT1	3.75243	3.97604	6.08239	3.97776	3.75561	4.52347	kynurenine aminotransferase 1 [Source:HGNC Symbol;Acc:HGNC	chr9:13159	NM_00112	XM_01701	NR_10982	.	NP_00111	XP_006717	protein_co	ENSG0000	883	1564
KYAT3	12.1399	11.7713	16.2863	12.5523	18.9326	20.976	kynurenine aminotransferase 3 [Source:HGNC Symbol;Acc:HGNC	chr1:89401	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	56267	33238
KYNU	0.242983	0.231994	0.369973	0.107193	0.104619	0.046245	kynureninase [Source:HGNC Symbol;Acc:HGNC:6469]	chr2:14363	NM_00103	XM_01151	.	.	NP_00102	XP_011510	protein_co	ENSG0000	8942	6469
L1CAM	5.87157	5.84494	6.70826	4.12506	4.18332	4.07886	L1 cell adhesion molecule [Source:HGNC Symbol;Acc:HGNC:6470	chrX:15312	NM_00042	.	.	.	NP_00041	.	protein_co	ENSG0000	3897	6470
L1TD1	0	0	0	0	0	0.01426	LINE1 type transposase domain containing 1 [Source:HGNC Symb	chr1:62660	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	54596	25595
L2HGDH	5.56049	7.20775	8.13606	5.84856	8.08205	7.7774	L-2-hydroxyglutarate dehydrogenase [Source:HGNC Symbol;Acc:I	chr14:5070	NM_02488	XM_00526	.	.	NP_07916	XP_005268	protein_co	ENSG0000	79944	20499
L34079.2	6.76E-33	3.35E-21	4.09E-19	1.17E-85	1.23E-18	1.67E-27	.	chr19:4404	.	.	.	.	.	.	protein_co	ENSG0000	.	.
L3HYPDH	5.21195	6.261	5.41234	5.32974	4.74502	4.49237	trans-L-3-hydroxyproline dehydratase [Source:HGNC Symbol;Acc	chr14:5993	NM_14458	XM_01153	.	.	NP_65318	XP_011534	protein_co	ENSG0000	112849	20488
L3MBTL1	2.013	1.50998	2.18268	0.91917	1.21446	0.935155	l(3)mbt-like 1 (Drosophila) [Source:HGNC Symbol;Acc:HGNC:1590	chr20:4213	NM_01547	.	.	.	NP_05629	.	protein_co	ENSG0000	26013	15905
L3MBTL2	14.6519	14.7544	12.358	14.2551	13.8969	10.4188	L3MBTL2 polycomb repressive complex 1 subunit [Source:HGNC	chr22:4160	NM_03148	XM_01153	.	.	NP_11367	XP_011528	protein_co	ENSG0000	83746	18594
L3MBTL3	10.5349	11.479	10.0094	12.8235	13.817	14.1629	l(3)mbt-like 3 (Drosophila) [Source:HGNC Symbol;Acc:HGNC:2303	chr6:13033	NM_00100	XM_01701	.	.	NP_00100	XP_005267	protein_co	ENSG0000	84456	23035
L3MBTL4	0	0	0	0	0	0	l(3)mbt-like 4 (Drosophila) [Source:HGNC Symbol;Acc:HGNC:2667	chr18:5954	NM_17346	XM_01152	.	.	NP_77573	XP_005258	protein_co	ENSG0000	91133	26677
L47234.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QZV	chr19:4584	.	.	.	.	.	.	protein_co	ENSG0000	.	.
LA16c-306E5.2	0.12114	0.063013	0.052156	0.168598	0.033882	0.030896	.	chr16:3432	.	.	.	.	.	.	protein_co	ENSG0000	.	.
LA16c-380H5.3	0.070737	0.070261	0.092382	0	0.163744	0.192963	.	chr16:3038	.	.	.	.	.	.	protein_co	ENSG0000	.	.
LACC1	2.14154	2.10862	2.75738	1.54042	1.73935	2.19387	laccase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:26	chr13:4441	NM_00112	XM_01702	.	.	NP_00112	XP_005266	protein_co	ENSG0000	144811	26789
LACE1	0.819796	0.513278	0.928178	0.635254	0.665512	0.874495	lactation elevated 1 [Source:HGNC Symbol;Acc:HGNC:16411]	chr6:10861	NM_14531	XM_01153	.	.	NP_66035	XP_005266	protein_co	ENSG0000	246269	16411
LACRT	0	0	0	0	0	0	lacritin [Source:HGNC Symbol;Acc:HGNC:16430]	chr12:5502	NM_03327	.	.	.	NP_15059	.	protein_co	ENSG0000	90070	16430
LACTB	5.62056	5.72478	7.34702	5.31616	5.23561	6.30643	lactamase beta [Source:HGNC Symbol;Acc:HGNC:16468]	chr15:6341	NM_00128	XM_01152	.	.	NP_00127	XP_011519	protein_co	ENSG0000	114294	16468
LACTB2	23.3782	22.9903	20.5116	25.4103	21.2615	27.5467	lactamase beta 2 [Source:HGNC Symbol;Acc:HGNC:18512]	chr8:71547	NM_01602	.	.	.	NP_05711	.	protein_co	ENSG0000	51110	18512
LACTBL1	0	0	0	0	0	0.085408	lactamase beta like 1 [Source:HGNC Symbol;Acc:HGNC:35445]	chr1:23279	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	646262	35445
LAD1	33.7473	36.2463	34.3425	39.9858	35.0861	24.9578	ladinin 1 [Source:HGNC Symbol;Acc:HGNC:6472]	chr1:20134	NM_00555	.	.	.	NP_00554	.	protein_co	ENSG0000	3898	6472
LAG3	0.266075	0.316506	0.609091	1.36709	0.986729	1.16751	lymphocyte activating 3 [Source:HGNC Symbol;Acc:HGNC:6476]	chr12:6881	NM_00228	XM_01152	.	.	NP_00227	XP_011519	protein_co	ENSG0000	3902	6476
LAGE3	56.7209	49.9985	44.0641	67.2146	44.2673	47.4399	L antigen family member 3 [Source:HGNC Symbol;Acc:HGNC:260	chrX:15368	NM_00601	.	.	.	NP_00600	.	protein_co	ENSG0000	8270	26058
LAIR1	0.560361	0.302861	0.6474	1.09517	0.634339	0.391755	leukocyte associated immunoglobulin like receptor 1 [Source:HG	chr19:5486	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	3903	6477
LAIR2	0	0	0	0	0	0	leukocyte associated immunoglobulin like receptor 2 [Source:HG	chr19:5501	NM_00228	.	.	.	NP_00227	.	protein_co	ENSG0000	3904	6478
LALBA	0	0	0	0	0	0	lactalbumin alpha [Source:HGNC Symbol;Acc:HGNC:6480]	chr12:4896	NM_00228	XM_01153	.	.	NP_00228	XP_006719	protein_co	ENSG0000	3906	6480
LAMA1	0.013748	0.042497	0.017827	0.022837	0.031253	0.03559	laminin subunit alpha 1 [Source:HGNC Symbol;Acc:HGNC:6481]	chr18:6941	NM_00555	XM_01152	.	.	NP_00555	XP_011523	protein_co	ENSG0000	284217	6481
LAMA2	0.902324	0.831471	0.538164	1.19719	1.20964	1.26373	laminin subunit alpha 2 [Source:HGNC Symbol;Acc:HGNC:6482]	chr6:12920	NM_00042	XM_01153	.	.	NP_00041	XP_005267	protein_co	ENSG0000	3908	6482
LAMA3	2.52831	2.80453	2.28757	3.4771	2.90446	2.64404	laminin subunit alpha 3 [Source:HGNC Symbol;Acc:HGNC:6483]	chr18:2126	NM_00022	XM_01152	NR_13010	.	NP_00021	XP_011524	protein_co	ENSG0000	3909	6483
LAMA4	0.32757	0.490412	1.19569	0.961405	0.729549	0.501182	laminin subunit alpha 4 [Source:HGNC Symbol;Acc:HGNC:6484]	chr6:11242	NM_00110	XM_01701	.	.	NP_00109	XP_005267	protein_co	ENSG0000	3910	6484
LAMA5	22.16	23.0651	38.3243	19.0394	19.0446	24.8296	laminin subunit alpha 5 [Source:HGNC Symbol;Acc:HGNC:6485]	chr20:6088	NM_00556	XM_01152	NR_03991	.	NP_00555	XP_006723	protein_co	ENSG0000	100616340	6485
LAMB1	11.3935	12.1791	17.8918	14.6366	15.3661	18.7782	laminin subunit beta 1 [Source:HGNC Symbol;Acc:HGNC:6486]	chr7:10756	NM_00229	XM_01701	.	.	NP_00228	XP_016867	protein_co	ENSG0000	3912	6486
LAMB2	14.9473	16.0024	16.9797	10.68	10.4991	13.159	laminin subunit beta 2 [Source:HGNC Symbol;Acc:HGNC:6487]	chr3:49158	NM_00229	XM_00526	.	.	NP_00228	XP_005265	protein_co	ENSG0000	3913	6487
LAMB3	24.6633	26.0382	11.7743	9.74987	8.37816	8.1442	laminin subunit beta 3 [Source:HGNC Symbol;Acc:HGNC:6490]	chr1:20978	NM_00022	XM_00527	NR_03621	.	NP_00021	XP_005273	protein_co	ENSG0000	100422894	6490
LAMB4	0	0	0	0	0	0	laminin subunit beta 4 [Source:HGNC Symbol;Acc:HGNC:6491]	chr7:10766	NM_00131	XM_01151	.	.	NP_00130	XP_005250	protein_co	ENSG0000	22798	6491
LAMC1	16.1794	18.0685	19.6298	13.8327	15.1732	18.5569	laminin subunit gamma 1 [Source:HGNC Symbol;Acc:HGNC:6492]	chr1:18299	NM_00229	.	.	.	NP_00228	.	protein_co	ENSG0000	3915	6492
LAMC2	15.4813	16.078	12.1786	13.7814	12.0567	13.2475	laminin subunit gamma 2 [Source:HGNC Symbol;Acc:HGNC:6493]	chr1:18315	NM_00556	.	.	.	NP_00555	.	protein_co	ENSG0000	3918	6493
LAMC3	2.52474	2.54527	3.61351	3.20952	2.92122	2.77561	laminin subunit gamma 3 [Source:HGNC Symbol;Acc:HGNC:6494]	chr9:13388	NM_00605	XM_01151	.	.	NP_00605	XP_011516	protein_co	ENSG0000	10319	6494
LAMP1	100.009	102.373	89.9667	95.6516	94.217	93.2061	lysosomal associated membrane protein 1 [Source:HGNC Symbol	chr13:1139	NM_00556	XM_01153	.	.	NP_00555	XP_011535	protein_co	ENSG0000	3916	6499
LAMP2	20.6147	21.6726	22.8734	21.7189	25.8616	27.8891	lysosomal associated membrane protein 2 [Source:HGNC Symbol	chrX:11956	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	3920	6501
LAMP3	3.58358	3.26695	2.59305	3.24113	2.83022	4.30635	lysosomal associated membrane protein 3 [Source:HGNC Symbol	chr3:18284	NM_01439	.	.	.	NP_05521	XP_005247	protein_co	ENSG0000	27074	14582
LAMP5	0	0	0	0	0	0.084477	lysosomal associated membrane protein family member 5 [Sourc	chr20:9495	NM_00119	XM_01152	.	.	NP_00118	XP_011527	protein_co	ENSG0000	24141	16097
LAMTOR1	66.2339	62.074	59.7755	52.8754	43.002	40.8692	late endosomal/lysosomal adaptor, MAPK and MTOR activator 1	chr11:7170	NM_01790	.	.	.	NP_06037	.	protein_co	ENSG0000	55004	26068
LAMTOR2	81.0942	66.9817	75.2073	73.4235	64.1832	59.1655	late endosomal/lysosomal adaptor, MAPK and MTOR activator 2	chr1:15602	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	28956	29796
LAMTOR3	12.907	11.8594	13.3583	13.3045	12.5284	15.1678	late endosomal/lysosomal adaptor, MAPK and MTOR activator 3	chr4:10079	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	8649	15606
LAMTOR4	136.342	137.383	130.237	163.115	109.739	99.6846	late endosomal/lysosomal adaptor, MAPK and MTOR activator 4	chr7:99746	NM_00100	XM_01151	NR_13452	.	NP_00100	XP_016867	protein_co	ENSG0000	389541	33772
LAMTOR5	98.4797	100.139	97.5573	109.929	97.6922	89.1794	late endosomal/lysosomal adaptor, MAPK and MTOR activator 5	chr1:11094	NM_00640	.	.	.	NP_00639	.	protein_co	ENSG0000	10542	17955
LANCL1	26.0915	29.2231	31.9991	31.5876	33.7491	39.4301	LanC like 1 [Source:HGNC Symbol;Acc:HGNC:6508]	chr2:21129	NM_00113	XM_00524	.	.	NP_00113	XP_005246	protein_co	ENSG0000	10314	6508
LANCL2	6.43794	6.11646	4.13112	7.91181	7.14362	4.59141	LanC like 2 [Source:HGNC Symbol;Acc:HGNC:6509]	chr7:55433	NM_01869	XM_01151	.	.	NP_06116	.	protein_co	ENSG0000	55915	6509
LANCL3	1.14163	1.2131	1.02575	1.77993	1.70622	1.63193	LanC like 3 [Source:HGNC Symbol;Acc:HGNC:24767]	chrX:37208	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	347404	24767

LAP3	38.9926	36.6443	33.1998	44.3599	39.3633	31.5809	leucine aminopeptidase 3 [Source:HGNC Symbol;Acc:HGNC:1844	chr4:17578	NM_01590	.	.	.	NP_05699	.	protein_co	ENSG0000	51056	18449	
LAPTM4A	94.2996	83.9808	85.0613	80.1686	104.919	117.023	lysosomal protein transmembrane 4 alpha [Source:HGNC Symbol	chr2:20232	NM_01471	.	.	.	NP_05552	.	protein_co	ENSG0000	9741	6924	
LAPTM4B	232.047	237.457	239.495	261.318	266.838	280.212	lysosomal protein transmembrane 4 beta [Source:HGNC Symbol;	chr8:98787	NM_01840	.	.	.	NP_06087	.	protein_co	ENSG0000	55353	13646	
LAPTM5	0	0.084876	0.210918	0.135393	0.04633	0.127464	lysosomal protein transmembrane 5 [Source:HGNC Symbol;Acc:H	chr1:31205	NM_00676	.	.	.	NP_00675	.	protein_co	ENSG0000	7805	29612	
LARGE1	0.367853	0.447356	0.361232	0	0	0	LARGE xylosyl- and glucuronyltransferase 1 [Source:HGNC Symbo	chr22:3366	NM_00473	XM_01153	.	.	NP_00472	XP_005261	protein_co	ENSG0000	9215	6511	
LARGE2	25.9464	29.2134	29.0995	30.1342	25.991	24.3816	LARGE xylosyl- and glucuronyltransferase 2 [Source:HGNC Symbo	chr11:4594	NM_00130	XM_01151	.	.	NP_00128	XP_006718	protein_co	ENSG0000	120071	16522	
LARP1	40.2455	42.1161	38.1856	40.364	40.617	39.7592	La ribonucleoprotein domain family member 1 [Source:HGNC Syr	chr5:15409	NM_01531	XM_01153	.	.	NP_05613	XP_005268	protein_co	ENSG0000	23367	29531	
LARP1B	14.1599	16.1209	12.4226	19.0754	19.1769	18.3897	La ribonucleoprotein domain family member 1B [Source:HGNC Sy	chr4:12898	NM_00127	XM_01153	.	.	NP_00126	XP_011530	protein_co	ENSG0000	55132	24704	
LARP4	23.1143	26.7125	24.5714	25.0824	29.2813	25.0387	La ribonucleoprotein domain family member 4 [Source:HGNC Syr	chr12:5079	NM_00117	XM_01701	.	.	NP_00116	XP_005268	protein_co	ENSG0000	113251	24320	
LARP4B	25.3784	26.9772	26.0578	28.5868	28.8924	25.596	La ribonucleoprotein domain family member 4B [Source:HGNC Sy	chr10:8528	NM_01515	XM_01701	.	.	NP_05597	XP_005252	protein_co	ENSG0000	23185	28987	
LARP6	18.6753	19.9911	24.7725	18.8756	16.1849	20.0092	La ribonucleoprotein domain family member 6 [Source:HGNC Syr	chr15:7112	NM_01835	.	.	.	NP_06082	.	protein_co	ENSG0000	55323	24012	
LARP7	26.3638	26.354	24.5649	27.462	28.5185	25.9513	La ribonucleoprotein domain family member 7 [Source:HGNC Syr	chr4:11355	NM_00126	.	.	.	NP_00125	.	protein_co	ENSG0000	51574	24912	
LARS	51.045	49.5374	45.5893	50.8733	52.6921	73.4481	leucyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:6512]	chr5:14549	NM_00131	XM_01153	.	.	NP_00130	XP_011535	protein_co	ENSG0000	51520	6512	
LARS2	11.3398	12.388	12.6089	13.121	13.0221	10.8004	leucyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;A	chr3:45429	NM_01534	XM_01153	.	.	NP_05615	XP_005265	protein_co	ENSG0000	23395	17095	
LAS1L	28.825	27.4412	25.1162	36.5445	30.8411	22.2729	LAS1 like, ribosome biogenesis factor [Source:HGNC Symbol;Acc:	chrX:64732	NM_00117	XM_01702	.	.	NP_00116	XP_005262	protein_co	ENSG0000	81887	25726	
LASP1	80.6683	81.6485	88.4931	86.1282	82.2703	87.0793	LIM and SH3 protein 1 [Source:HGNC Symbol;Acc:HGNC:6513]	chr17:3702	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	3927	6513	
LAT	1.49753	2.01489	1.48356	1.60871	2.13456	0.878278	linker for activation of T-cells [Source:HGNC Symbol;Acc:HGNC:18	chr16:2899	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	27040	18874	
LAT2	4.04459	4.83237	4.02846	6.50785	6.15696	11.2943	linker for activation of T-cells family member 2 [Source:HGNC Syr	chr7:73623	NM_01414	XM_01151	.	.	NP_05486	XP_011514	protein_co	ENSG0000	7462	12749	
LATS1	5.65538	5.84667	4.95473	4.42612	5.30132	5.60038	large tumor suppressor kinase 1 [Source:HGNC Symbol;Acc:HGNC	chr6:14997	NM_00127	XM_01701	.	.	NP_00125	XP_011534	protein_co	ENSG0000	9113	6514	
LATS2	4.26575	4.37756	3.454	3.05332	3.87737	4.54245	large tumor suppressor kinase 2 [Source:HGNC Symbol;Acc:HGNC	chr13:2154	NM_01457	XM_00526	.	.	NP_05538	XP_005266	protein_co	ENSG0000	26524	6515	
LAX1	0	0	0.043041	0.023009	0	0	lymphocyte transmembrane adaptor 1 [Source:HGNC Symbol;Acc	chr1:20373	NM_00113	XM_00671	.	.	NP_00112	XP_006711	protein_co	ENSG0000	54900	26005	
LAYN	0	0	0	0	0	0	layilin [Source:HGNC Symbol;Acc:HGNC:29471]	chr11:1114	NM_00125	XM_00671	.	.	NP_00124	XP_006718	protein_co	ENSG0000	143903	29471	
LBH	0.028899	0	0.1116	0.06327	0.165004	0.091264	limb bud and heart development [Source:HGNC Symbol;Acc:HGN	chr2:30454	NM_03091	.	.	.	NP_11217	.	protein_co	ENSG0000	81606	29532	
LBHD1	3.5313	3.61393	3.81137	3.33066	1.81157	2.45813	LBH domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28351	chr11:6241	NM_02409	.	.	.	NP_07700	.	protein_co	ENSG0000	79081	28351	
LBP	0.038458	0	0.033199	0	0	0	lipopolysaccharide binding protein [Source:HGNC Symbol;Acc:HG	chr20:3697	NM_00413	.	.	.	NP_00413	.	protein_co	ENSG0000	3929	6517	
LBR	40.2971	42.6598	38.466	52.9189	56.5314	57.981	lamin B receptor [Source:HGNC Symbol;Acc:HGNC:6518]	chr1:22558	NM_00229	XM_01154	.	.	NP_00228	XP_005273	protein_co	ENSG0000	3930	6518	
LBX1	0	0	0	0	0	0	ladybird homeobox 1 [Source:HGNC Symbol;Acc:HGNC:16960]	chr10:1029	NM_00656	XM_00526	.	.	NP_00655	XP_005269	protein_co	ENSG0000	10660	16960	
LBX2	4.71924	3.61605	4.21546	3.66533	3.71525	4.15789	ladybird homeobox 2 [Source:HGNC Symbol;Acc:HGNC:15525]	chr2:74724	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	85474	15525	
LCA5	0.837372	1.0285	1.39233	0.607073	1.14304	1.46748	LCA5, lebercilin [Source:HGNC Symbol;Acc:HGNC:31923]	chr6:80194	NM_00112	XM_01153	.	.	NP_00111	XP_005248	protein_co	ENSG0000	167691	31923	
LCA5L	1.03395	0.824365	0.503457	0.626167	1.0696	0.845054	LCA5L, lebercilin like [Source:HGNC Symbol;Acc:HGNC:1255]	chr21:4077	NM_15250	XM_01152	.	.	NP_68971	XP_005260	protein_co	ENSG0000	150082	1255	
LCAT	2.96631	3.26274	3.16153	3.86304	3.8639	3.92906	lecithin-cholesterol acyltransferase [Source:HGNC Symbol;Acc:HG	chr16:6797	NM_00022	.	.	.	NP_00022	.	protein_co	ENSG0000	3931	6522	
LCE1A	0	0	0	0	0	0	late cornified envelope 1A [Source:HGNC Symbol;Acc:HGNC:2945	chr1:15279	NM_17834	.	.	.	NP_84812	.	protein_co	ENSG0000	353131	29459	
LCE1B	0.27136	0	0.077607	0.400827	0.304656	0	late cornified envelope 1B [Source:HGNC Symbol;Acc:HGNC:1661	chr1:15278	NM_17834	.	.	.	NP_84812	.	protein_co	ENSG0000	353132	16611	
LCE1C	0	0.304994	0.393888	0.164465	0.173434	0	late cornified envelope 1C [Source:HGNC Symbol;Acc:HGNC:2946	chr1:15277	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	353133	29464	
LCE1D	0	0	0	0	0	0	late cornified envelope 1D [Source:HGNC Symbol;Acc:HGNC:2946	chr1:15276	NM_17835	.	.	.	NP_84812	.	protein_co	ENSG0000	353134	29465	
LCE1E	0.274801	0	1.39691	0	0.102612	0.896671	late cornified envelope 1E [Source:HGNC Symbol;Acc:HGNC:2946	chr1:15275	NM_17835	.	.	.	NP_84813	.	protein_co	ENSG0000	353135	29466	
LCE1F	0	0	0	0.475503	0	0	late cornified envelope 1F [Source:HGNC Symbol;Acc:HGNC:2946	chr1:15274	NM_17835	.	.	.	NP_84813	.	protein_co	ENSG0000	353137	29467	
LCE2A	0	0	0	0	0	0	late cornified envelope 2A [Source:HGNC Symbol;Acc:HGNC:2946	chr1:15267	NM_17842	.	.	.	NP_84851	.	protein_co	ENSG0000	353139	29469	
LCE2B	0	0	0	0	0	0	late cornified envelope 2B [Source:HGNC Symbol;Acc:HGNC:1661	chr1:15265	NM_01435	.	.	.	NP_05517	.	protein_co	ENSG0000	26239	16610	
LCE2C	0	0	0	0	0	0	late cornified envelope 2C [Source:HGNC Symbol;Acc:HGNC:2946	chr1:15264	NM_17842	.	.	.	NP_84851	.	protein_co	ENSG0000	353140	29460	
LCE2D	0	0	0	0	0	0	late cornified envelope 2D [Source:HGNC Symbol;Acc:HGNC:1651	chr1:15263	NM_17843	.	.	.	NP_84851	.	protein_co	ENSG0000	353141	16518	
LCE3A	0	0	0	0	0	0	late cornified envelope 3A [Source:HGNC Symbol;Acc:HGNC:2946	chr1:15259	NM_17843	.	.	.	NP_84851	.	protein_co	ENSG0000	353142	29461	
LCE3B	0	0	0	0	0	0	late cornified envelope 3B [Source:HGNC Symbol;Acc:HGNC:2946	chr1:15258	NM_17843	.	.	.	NP_84852	.	protein_co	ENSG0000	353143	29462	
LCE3C	0	0	0	0	0	0	late cornified envelope 3C [Source:HGNC Symbol;Acc:HGNC:1661	chr1:15257	NM_17843	.	.	.	NP_84852	.	protein_co	ENSG0000	353144	16612	
LCE3D	0	0	0	0	0	0	late cornified envelope 3D [Source:HGNC Symbol;Acc:HGNC:1661	chr1:15255	NM_03256	.	.	.	NP_11595	.	protein_co	ENSG0000	84648	16615	
LCE3E	0	0	0	0	0	0	late cornified envelope 3E [Source:HGNC Symbol;Acc:HGNC:2946	chr1:15253	NM_17843	XM_01150	.	.	NP_84852	XP_011507	protein_co	ENSG0000	353145	29463	
LCE4A	0	0	0	0	0	0	late cornified envelope 4A [Source:HGNC Symbol;Acc:HGNC:1661	chr1:15268	NM_17835	XM_01150	.	.	NP_84813	XP_011507	protein_co	ENSG0000	199834	16613	
LCE5A	0	0.235172	0	0	0	0	late cornified envelope 5A [Source:HGNC Symbol;Acc:HGNC:1661	chr1:15248	NM_17843	.	.	.	NP_84852	.	protein_co	ENSG0000	254910	16614	
LCE6A	0	0	0	0	0	0	late cornified envelope 6A [Source:HGNC Symbol;Acc:HGNC:3182	chr1:15281	NM_00112	.	.	.	NP_00112	XP_016856	protein_co	ENSG0000	448835	31824	
LCK	0.199697	0.066549	0.057447	0.431125	0.269302	0.432135	LCK proto-oncogene, Src family tyrosine kinase [Source:HGNC Syr	chr1:32716	NM_00104	XM_01154	.	.	NP_00103	XP_011539	protein_co	ENSG0000	3932	6524	
LCLAT1	8.85433	9.9954	8.9288	9.07745	9.07315	10.096	lysocardiolipin acyltransferase 1 [Source:HGNC Symbol;Acc:HGNC	chr2:30670	NM_00100	XM_01153	.	.	NP_00100	XP_005264	protein_co	ENSG0000	253558	26756	
LCMT1	18.0435	19.101	21.9748	17.365	12.4134	16.9701	leucine carboxyl methyltransferase 1 [Source:HGNC Symbol;Acc:H	chr16:2512	NM_00103	XM_01154	.	.	NP_00102	XP_005255	protein_co	ENSG0000	51451	17557	
LCMT2	5.80327	5.77766	5.6626	6.00397	4.31193	3.85925	leucine carboxyl methyltransferase 2 [Source:HGNC Symbol;Acc:H	chr15:4361	NM_01479	.	.	.	NP_05560	.	protein_co	ENSG0000	9836	17558	
LCN1	0	0.086088	0	0	0	0	lipocalin 1 [Source:HGNC Symbol;Acc:HGNC:6525]	chr9:13841	NM_00125	.	.	.	NP_00123	.	protein_co	ENSG0000	3933	6525	
LCN10	0	0	0	0	0	0	lipocalin 10 [Source:HGNC Symbol;Acc:HGNC:20892]	chr9:13963	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	414332	20892	
LCN12	0.547993	0.360919	0.158175	0	0	0	lipocalin 12 [Source:HGNC Symbol;Acc:HGNC:28733]	chr9:13984	NM_17853	XM_01151	.	.	NP_84863	.	protein_co	ENSG0000	286256	28733	
LCN15	0.210041	0.103342	0.182185	0.223897	0.121801	0	lipocalin 15 [Source:HGNC Symbol;Acc:HGNC:33777]	chr9:13965	NM_20334	XM_01151	.	.	NP_97622	XP_011516	protein_co	ENSG0000	389812	33777	
LCN2	34.8792	37.099	48.1789	1.09482	0.820858	0.762085	lipocalin 2 [Source:HGNC Symbol;Acc:HGNC:6526]	chr9:13091	NM_00556	.	.	.	NP_00555	.	protein_co	ENSG0000	3934	6526	
LCN6	0	0	0	0	0	0	lipocalin 6 [Source:HGNC Symbol;Acc:HGNC:17337]	chr9:13963	NM_19894	.	.	.	NP_94518	.	protein_co	ENSG0000	158062	17337	

LCN8	0	0	0	0	0.105961	0	lipocalin 8 [Source:HGNC Symbol;Acc:HGNC:27038]	chr9:13964	NM_17846	XM_01151	.	.	NP_84856	XP_016869	protein_co	ENSG0000	138307	27038
LCN9	0	0	0	0	0	0	lipocalin 9 [Source:HGNC Symbol;Acc:HGNC:17442]	chr9:13855	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	392399	17442
LCNL1	0	0	0.135703	0	0	0	lipocalin like 1 [Source:HGNC Symbol;Acc:HGNC:34436]	chr9:13987	NM_20751	.	.	.	NP_99739	.	protein_co	ENSG0000	401562	34436
LCOR	4.24811	4.09118	4.65124	3.4167	4.05363	4.69732	ligand dependent nuclear receptor corepressor [Source:HGNC Sy	chr10:9859	NM_00117	XM_01701	.	.	NP_00116	XP_006718	protein_co	ENSG0000	84458	29503
LCORL	2.80224	3.01939	3.58465	3.15952	3.73314	5.42916	ligand dependent nuclear receptor corepressor like [Source:HGN	chr4:17812	NM_00116	XM_01700	.	.	NP_00115	XP_011512	protein_co	ENSG0000	254251	30776
LCP1	0.496722	0.504779	0.986465	0.614923	0.403754	0.846885	lymphocyte cytosolic protein 1 [Source:HGNC Symbol;Acc:HGNC:	chr13:4670	NM_00229	XM_00526	.	.	NP_00228	XP_005266	protein_co	ENSG0000	3936	6528
LCP2	0	0	0	0	0	0.045242	lymphocyte cytosolic protein 2 [Source:HGNC Symbol;Acc:HGNC:	chr5:16965	NM_00556	XM_01153	.	.	NP_00555	.	protein_co	ENSG0000	3937	6529
LCT	0.105639	0.032394	0.027486	0.058044	0.024001	0.055533	lactase [Source:HGNC Symbol;Acc:HGNC:6530]	chr2:13654	NM_00229	.	.	.	NP_00229	.	protein_co	ENSG0000	3938	6530
LCTL	0.028245	0.029554	0	0.031623	0.063273	0	lactase like [Source:HGNC Symbol;Acc:HGNC:15583]	chr15:6679	NM_00127	XM_01152	.	.	NP_00126	XP_016877	protein_co	ENSG0000	197021	15583
LDAH	13.2187	12.8809	13.9945	13.5224	14.8699	15.0944	lipid droplet associated hydrolase [Source:HGNC Symbol;Acc:HGN	chr2:20883	NM_00128	XM_01153	.	.	NP_00126	XP_011531	protein_co	ENSG0000	60526	26145
LDB1	46.3507	45.126	43.5195	50.0152	48.2052	36.9783	LIM domain binding 1 [Source:HGNC Symbol;Acc:HGNC:6532]	chr10:1038	NM_00111	XM_00527	.	.	NP_00110	.	protein_co	ENSG0000	8861	6532
LDB2	0	0	0.028013	0	0	0.151148	LIM domain binding 2 [Source:HGNC Symbol;Acc:HGNC:6533]	chr4:16503	NM_00113	XM_01700	.	.	NP_00112	XP_005248	protein_co	ENSG0000	9079	6533
LDB3	0.039669	0.091817	0.034307	0.043451	0.075888	0.104609	LIM domain binding 3 [Source:HGNC Symbol;Acc:HGNC:15710]	chr10:8842	NM_00108	XM_01701	.	.	NP_00107	XP_005269	protein_co	ENSG0000	11155	15710
LDHA	654.655	647.843	558.782	809.932	764.424	701.917	lactate dehydrogenase A [Source:HGNC Symbol;Acc:HGNC:6535]	chr11:1841	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	3939	6535
LDHAL6A	0	0	0	0	0	0	lactate dehydrogenase A like 6A [Source:HGNC Symbol;Acc:HGN	chr11:1847	NM_00114	XM_01151	.	.	NP_00113	XP_005252	protein_co	ENSG0000	160287	28335
LDHAL6B	0.048798	0	0.04211	0	0.054236	0	lactate dehydrogenase A like 6B [Source:HGNC Symbol;Acc:HGN	chr15:5942	NM_03319	.	.	.	NP_14997	.	protein_co	ENSG0000	92483	21481
LDHB	880.466	823.568	904.325	1026.43	900.686	1014.31	lactate dehydrogenase B [Source:HGNC Symbol;Acc:HGNC:6541]	chr12:2178	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	3945	6541
LDHC	0	0.187557	0	0	0	0	lactate dehydrogenase C [Source:HGNC Symbol;Acc:HGNC:6544]	chr11:1843	NM_00230	XM_01701	.	.	NP_00229	XP_016873	protein_co	ENSG0000	3948	6544
LDHD	2.07958	1.37069	1.72373	1.56178	1.3775	1.16455	lactate dehydrogenase D [Source:HGNC Symbol;Acc:HGNC:19708	chr16:7514	NM_15348	.	.	.	NP_70569	.	protein_co	ENSG0000	197257	19708
LDLR	24.2001	25.8099	29.7319	28.0333	29.0023	31.9588	low density lipoprotein receptor [Source:HGNC Symbol;Acc:HGN	chr19:1120	NM_00052	XM_01152	NR_10694	.	NP_00051	XP_011526	protein_co	ENSG0000	102465534	6547
LDLRAD1	0.063742	0.148328	0.221569	0.135241	0.072204	0.199317	low density lipoprotein receptor class A domain containing 1 [Sou	chr1:54472	NM_00101	XM_01154	.	.	NP_00101	XP_011539	protein_co	ENSG0000	388633	32069
LDLRAD2	0.02101	0.02063	0.054128	0	0.024336	0	low density lipoprotein receptor class A domain containing 2 [Sou	chr1:22138	NM_00101	.	.	.	NP_00101	XP_005245	protein_co	ENSG0000	401944	32071
LDLRAD3	13.7454	14.5025	13.4723	16.4884	14.134	16.2126	low density lipoprotein receptor class A domain containing 3 [Sou	chr11:3596	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	143458	27046
LDLRAD4	0.072418	0.108787	0.201415	0.093193	0.354847	0.23502	low density lipoprotein receptor class A domain containing 4 [Sou	chr18:1321	NM_00100	XM_01702	.	.	NP_00100	XP_005258	protein_co	ENSG0000	753	1224
LDLRAP1	16.6464	15.9886	16.0031	10.628	9.79151	9.43878	low density lipoprotein receptor adaptor protein 1 [Source:HGN	chr1:25870	NM_01562	XM_01154	.	.	NP_05644	XP_011539	protein_co	ENSG0000	26119	18640
LDOC1	0	0	0	0	0	0	leucine zipper down-regulated in cancer 1 [Source:HGNC Symbol;	chrX:14026	NM_01231	.	.	.	NP_03644	.	protein_co	ENSG0000	23641	6548
LDOC1L	18.1379	18.2383	15.7266	17.8149	17.4713	16.674	leucine zipper down-regulated in cancer 1 like [Source:HGNC Sym	chr22:4488	NM_03228	.	.	.	NP_11566	.	protein_co	ENSG0000	84247	13343
LEAP2	0.616259	0.577116	0.409039	0.61302	0.602189	0.792371	liver enriched antimicrobial peptide 2 [Source:HGNC Symbol;Acc:	chr5:13220	NM_05297	.	.	.	NP_44320	.	protein_co	ENSG0000	116842	29571
LECT1	0	0	0	0	0	0	leukocyte cell derived chemotaxin 1 [Source:HGNC Symbol;Acc:H	chr13:5327	NM_00101	XM_01153	.	.	NP_00101	XP_011533	protein_co	ENSG0000	11061	17005
LECT2	0	0	0	0	0	0	leukocyte cell derived chemotaxin 2 [Source:HGNC Symbol;Acc:H	chr5:13525	NM_00230	.	.	.	NP_00229	.	protein_co	ENSG0000	3950	6550
LEF1	0	0	0	0	0	0	lymphoid enhancer binding factor 1 [Source:HGNC Symbol;Acc:H	chr4:10896	NM_00113	XM_00526	.	.	NP_00112	XP_005263	protein_co	ENSG0000	51176	6551
LEFTY1	0.248938	0.060705	1.92E-72	0.066339	0.072631	0.171926	left-right determination factor 1 [Source:HGNC Symbol;Acc:HGN	chr1:22607	NM_02099	.	.	.	NP_06627	.	protein_co	ENSG0000	10637	6552
LEFTY2	0.044374	0	0	0	0	0	left-right determination factor 2 [Source:HGNC Symbol;Acc:HGN	chr1:22612	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	7044	3122
LEKR1	0.995491	0.657208	0.917671	0.926759	1.46494	1.10302	leucine, glutamate and lysine rich 1 [Source:HGNC Symbol;Acc:H	chr3:15654	NM_00100	XM_01151	.	.	NP_00100	XP_005247	protein_co	ENSG0000	389170	33765
LELP1	0	0	0	0	0	0	late cornified envelope like proline rich 1 [Source:HGNC Symbol;A	chr1:15317	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	149018	32046
LEMD1	3.33582	3.30349	4.98075	1.39972	0.730546	4.50596	LEM domain containing 1 [Source:HGNC Symbol;Acc:HGNC:18725	chr1:20535	NM_00100	XM_01151	NR_03758	.	NP_00100	XP_011508	protein_co	ENSG0000	93273	18725
LEMD2	20.069	18.0499	17.1131	16.0683	15.5559	17.3871	LEM domain containing 2 [Source:HGNC Symbol;Acc:HGNC:21244	chr6:33738	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	221496	21244
LEMD3	10.1425	9.12758	11.3559	10.3315	11.6969	13.1621	LEM domain containing 3 [Source:HGNC Symbol;Acc:HGNC:28887	chr12:6556	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	23592	28887
LENEP	0	0	0	0	0	0	lens epithelial protein [Source:HGNC Symbol;Acc:HGNC:14429]	chr1:15496	NM_01865	.	.	.	NP_06112	.	protein_co	ENSG0000	55891	14429
LENG1	4.83356	4.11189	3.0992	5.5073	3.65619	3.58411	leukocyte receptor cluster member 1 [Source:HGNC Symbol;Acc:	chr19:5464	NM_02431	.	.	.	.	.	protein_co	ENSG0000	79165	15502
LENG8	29.8864	27.6683	41.0639	20.3904	21.1684	25.8177	leukocyte receptor cluster member 8 [Source:HGNC Symbol;Acc:	chr19:5496	NM_05292	XM_01152	.	.	NP_44315	XP_005278	protein_co	ENSG0000	114823	15500
LENG9	3.98703	4.17487	5.0496	2.01689	2.70201	3.13398	leukocyte receptor cluster member 9 [Source:HGNC Symbol;Acc:	chr19:5496	NM_19898	.	.	.	NP_00128	.	protein_co	ENSG0000	94059	16306
LEO1	15.724	15.9161	14.3342	16.4867	17.5593	16.6533	LEO1 homolog, Paf1/RNA polymerase II complex component [Sou	chr15:5223	NM_00128	XM_01152	.	.	NP_00127	XP_016877	protein_co	ENSG0000	123169	30401
LEP	0	0	0	0	0	0	leptin [Source:HGNC Symbol;Acc:HGNC:6553]	chr7:12788	NM_00023	XM_00525	.	.	NP_00022	XP_005250	protein_co	ENSG0000	3952	6553
LEPR	2.24896	1.88185	2.33349	1.52034	2.22464	3.36993	leptin receptor [Source:HGNC Symbol;Acc:HGNC:6554]	chr1:65886	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	3953	6554
LEPROT	9.34823	9.97799	7.75138	8.88851	11.1602	8.68936	leptin receptor overlapping transcript [Source:HGNC Symbol;Acc:	chr1:65886	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	54741	29477
LEPROTL1	33.3738	31.6864	29.4672	30.9215	37.7974	42.0786	leptin receptor overlapping transcript-like 1 [Source:HGNC Symbo	chr8:29952	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	23484	6555
LETM1	22.1938	22.2372	23.2566	28.982	27.6103	20.3352	leucine zipper and EF-hand containing transmembrane protein 1	chr4:18132	NM_01231	XM_00671	.	.	NP_03645	XP_006713	protein_co	ENSG0000	3954	6556
LETM2	8.33206	6.27167	4.32787	8.37267	5.82256	5.80048	leucine zipper and EF-hand containing transmembrane protein 2	chr8:38243	NM_00119	XM_01154	.	.	NP_00118	XP_006716	protein_co	ENSG0000	137994	14648
LETMD1	31.2013	31.4388	36.6715	25.7264	29.3279	27.3956	LETM1 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:242	chr12:5144	NM_00124	XM_01153	.	.	NP_00123	XP_006719	protein_co	ENSG0000	25875	24241
LEUTX	0	0	0	0	0	0	leucine twenty homeobox [Source:HGNC Symbol;Acc:HGNC:3195	chr19:4026	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	342900	31953
LEXM	0.155693	0.04068	0.163043	0.131612	0.045954	0.042722	lymphocyte expansion molecule [Source:HGNC Symbol;Acc:HGN	chr1:55271	NM_00111	.	.	.	NP_00110	XP_016855	protein_co	ENSG0000	163747	26854
LFNG	6.24346	7.09292	7.11114	8.35464	8.00719	3.75489	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase [	chr7:25521	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	3955	6560
LGALS1	810.471	757.125	965.74	753.668	538.354	1019.29	galectin 1 [Source:HGNC Symbol;Acc:HGNC:6561]	chr22:3807	NM_00230	.	.	.	NP_00229	.	protein_co	ENSG0000	3956	6561
LGALS12	0	0	0	0	0	0	galectin 12 [Source:HGNC Symbol;Acc:HGNC:15788]	chr11:6327	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	85329	15788
LGALS13	0	0	0	0	0	0	galectin 13 [Source:HGNC Symbol;Acc:HGNC:15449]	chr19:4009	NM_01326	.	.	.	NP_03740	.	protein_co	ENSG0000	29124	15449
LGALS14	0	0	0	0	0	0	galectin 14 [Source:HGNC Symbol;Acc:HGNC:30054]	chr19:4019	NM_02012	.	.	.	NP_06451	.	protein_co	ENSG0000	56891	30054
LGALS16	0	0	0	0	0	0	galectin 16 [Source:HGNC Symbol;Acc:HGNC:40039]	chr19:4014	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	148003	40039
LGALS2	0	0	0	0.135361	0	0	galectin 2 [Source:HGNC Symbol;Acc:HGNC:6562]	chr22:3796	NM_00649	.	.	.	NP_00648	.	protein_co	ENSG0000	3957	6562

LGALS3	79.5916	69.8547	103.677	77.5347	71.696	114.353	galectin 3 [Source:HGNC Symbol;Acc:HGNC:6563]	chr14:5559	NM_00230	XM_01153	.	.	NP_00229	XP_011535	protein_co	ENSG0000	3958	6563
LGALS3BP	188.841	185.405	158.389	182.156	163.657	135.965	galectin 3 binding protein [Source:HGNC Symbol;Acc:HGNC:6564]	chr17:7696	NM_00556	.	.	.	NP_00555	.	protein_co	ENSG0000	3959	6564
LGALS4	0	0.052411	0.045373	0.226676	0	0.114611	galectin 4 [Source:HGNC Symbol;Acc:HGNC:6565]	chr19:3929	NM_00614	XM_01152	.	.	NP_00614	XP_011525	protein_co	ENSG0000	3960	6565
LGALS7	0	0	0	0	0.679886	0	galectin 7 [Source:HGNC Symbol;Acc:HGNC:6568]	chr19:3926	NM_00230	.	.	.	NP_00229	.	protein_co	ENSG0000	653499	6568
LGALS7B	0	0	1.358	1.13334	0.616603	0.584606	galectin 7B [Source:HGNC Symbol;Acc:HGNC:34447]	chr19:3927	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	653499	34447
LGALS8	12.8641	12.8693	15.8031	11.5063	11.5927	12.6446	galectin 8 [Source:HGNC Symbol;Acc:HGNC:6569]	chr1:23668	NM_00649	.	.	.	NP_00649	.	protein_co	ENSG0000	3964	6569
LGALS9	1.28407	0.625547	0.896169	0.507196	0.421302	0.337638	galectin 9 [Source:HGNC Symbol;Acc:HGNC:6570]	chr17:2559	NM_00230	XM_00672	.	.	NP_00229	XP_006721	protein_co	ENSG0000	3965	6570
LGALS9B	0.048936	0	0	0	0	0	galectin 9B [Source:HGNC Symbol;Acc:HGNC:24842]	chr17:2035	NM_00104	XM_01152	.	.	NP_00103	XP_006721	protein_co	ENSG0000	284194	24842
LGALS9C	0	0	0	0	0	0	galectin 9C [Source:HGNC Symbol;Acc:HGNC:33874]	chr17:1838	NM_00104	XM_01152	.	.	NP_00103	XP_005256	protein_co	ENSG0000	654346	33874
LGALSL	8.57624	8.47899	9.23425	9.25492	10.2838	9.88552	galectin like [Source:HGNC Symbol;Acc:HGNC:25012]	chr2:64681	NM_01418	.	.	.	NP_05490	.	protein_co	ENSG0000	29094	25012
LGI1	0	0	0	0	0	0	leucine rich glioma inactivated 1 [Source:HGNC Symbol;Acc:HGN	chr10:9551	NM_00130	XM_00527	.	.	NP_00129	XP_005270	protein_co	ENSG0000	9211	6572
LGI2	0	0	0	0	0	0	leucine rich repeat LGI family member 2 [Source:HGNC Symbol;A	chr4:25000	NM_01817	.	.	.	NP_06064	.	protein_co	ENSG0000	55203	18710
LGI3	0.800221	0.959651	1.85188	1.62645	1.87664	2.01409	leucine rich repeat LGI family member 3 [Source:HGNC Symbol;A	chr8:22004	NM_13927	.	.	.	NP_64480	.	protein_co	ENSG0000	203190	18711
LGI4	0.171544	0.08362	0.307558	0.121356	0.198134	0.250388	leucine rich repeat LGI family member 4 [Source:HGNC Symbol;A	chr19:3561	NM_13928	XM_01152	.	.	NP_64481	XP_011524	protein_co	ENSG0000	163175	18712
LGMN	26.3234	27.6924	23.2807	29.2042	24.678	24.1676	legumain [Source:HGNC Symbol;Acc:HGNC:9472]	chr14:9317	NM_00100	XM_01702	.	.	NP_00100	XP_005267	protein_co	ENSG0000	5641	9472
LGR4	2.65431	3.20101	3.90576	4.16487	4.89058	5.30439	leucine rich repeat containing G protein-coupled receptor 4 [Sour	chr11:2738	NM_01849	.	.	.	NP_06096	.	protein_co	ENSG0000	55366	13299
LGR5	0	0.021164	0.017079	0	0	0	leucine rich repeat containing G protein-coupled receptor 5 [Sour	chr12:7151	NM_00127	XM_00526	NR_11059	.	NP_00126	.	protein_co	ENSG0000	8549	4504
LGR6	0.229918	0.069354	0.178222	0.074632	0.038947	0.247581	leucine rich repeat containing G protein-coupled receptor 6 [Sour	chr1:20216	NM_00101	XM_01150	.	.	NP_00101	XP_005245	protein_co	ENSG0000	59352	19719
LGSN	0.015275	0.071716	0	0.159718	0.048894	0	lengsin, lens protein with glutamine synthetase domain [Source:H	chr6:63985	NM_00114	.	.	.	NP_00113	XP_016866	protein_co	ENSG0000	51557	21016
LHB	0.531571	0.78686	1.12644	0.28585	0	0.878904	luteinizing hormone beta polypeptide [Source:HGNC Symbol;Acc:	chr19:4949	NM_00089	.	.	.	NP_00088	.	protein_co	ENSG0000	3972	6584
LHCGR	0	0	0	0	0	0	luteinizing hormone/choriogonadotropin receptor [Source:HGNC	chr2:48757	NM_00023	XM_01153	.	.	NP_00022	XP_011531	protein_co	ENSG0000	3973	6585
LHFP	0.908881	0.593616	0.670875	0.037468	0.344118	0.137227	lipoma HMGIC fusion partner [Source:HGNC Symbol;Acc:HGNC:6	chr13:3991	NM_00578	XM_01153	.	.	NP_00577	XP_011533	protein_co	ENSG0000	10186	6586
LHFPL1	0	0.05142	0	0	0.056061	0	lipoma HMGIC fusion partner-like 1 [Source:HGNC Symbol;Acc:H	chrX:11187	NM_17817	XM_01153	.	.	NP_83546	XP_011529	protein_co	ENSG0000	340596	6587
LHFPL2	8.02825	7.962	8.84735	6.41737	7.87432	9.60244	lipoma HMGIC fusion partner-like 2 [Source:HGNC Symbol;Acc:H	chr5:77781	NM_00577	XM_01154	.	.	NP_00577	XP_006714	protein_co	ENSG0000	10184	6588
LHFPL3	0	0	0	0	0	0	lipoma HMGIC fusion partner-like 3 [Source:HGNC Symbol;Acc:H	chr7:10396	NM_19900	XM_00525	.	.	NP_94535	XP_005250	protein_co	ENSG0000	375612	6589
LHFPL4	0	0	0	0	0	0	lipoma HMGIC fusion partner-like 4 [Source:HGNC Symbol;Acc:H	chr3:95400	NM_19856	XM_01153	.	.	NP_94096	XP_011531	protein_co	ENSG0000	375323	29568
LHFPL5	0.224461	0.191358	0.192739	0.040924	0.042515	0	lipoma HMGIC fusion partner-like 5 [Source:HGNC Symbol;Acc:H	chr6:35773	NM_18254	XM_01151	.	.	NP_87235	XP_011512	protein_co	ENSG0000	222662	21253
LHPP	19.417	22.1827	24.6164	24.2861	18.1494	22.5424	phospholysine phosphohistidine inorganic pyrophosphate phospl	chr10:1261	NM_00116	XM_00671	.	.	NP_00116	XP_005270	protein_co	ENSG0000	64077	30042
LHX1	0.306906	0.307596	0.315653	0.101056	0.105299	0.260425	LIM homeobox 1 [Source:HGNC Symbol;Acc:HGNC:6593]	chr17:3529	NM_00556	.	.	.	NP_00555	.	protein_co	ENSG0000	3975	6593
LHX2	5.27708	6.7231	4.77734	7.3239	6.16734	7.2083	LIM homeobox 2 [Source:HGNC Symbol;Acc:HGNC:6594]	chr9:12677	NM_00478	.	.	.	NP_00478	.	protein_co	ENSG0000	9355	6594
LHX3	0.045073	0	0	0	0	0	LIM homeobox 3 [Source:HGNC Symbol;Acc:HGNC:6595]	chr9:13908	NM_01456	XM_01701	.	.	NP_05537	XP_005263	protein_co	ENSG0000	8022	6595
LHX4	0.260139	0.364896	0.551491	0.304421	0.307438	0.464247	LIM homeobox 4 [Source:HGNC Symbol;Acc:HGNC:21734]	chr1:18019	NM_03334	XM_01151	.	.	NP_20312	XP_011508	protein_co	ENSG0000	89884	21734
LHX5	1.83538	1.7458	2.26009	1.64793	1.48251	1.52822	LIM homeobox 5 [Source:HGNC Symbol;Acc:HGNC:14216]	chr12:1138	NM_02236	.	.	.	NP_07175	.	protein_co	ENSG0000	64211	14216
LHX6	3.12779	3.54931	3.30604	1.95849	3.07562	2.6359	LIM homeobox 6 [Source:HGNC Symbol;Acc:HGNC:21735]	chr9:12496	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	26468	21735
LHX8	0	0	0	0	0	0	LIM homeobox 8 [Source:HGNC Symbol;Acc:HGNC:28838]	chr1:75594	NM_00100	XM_01154	.	.	NP_00100	.	protein_co	ENSG0000	431707	28838
LHX9	0.039879	0.16996	0.145254	0.174097	0.062151	0.376944	LIM homeobox 9 [Source:HGNC Symbol;Acc:HGNC:14222]	chr1:19788	NM_00101	XM_01150	.	.	NP_00101	XP_005245	protein_co	ENSG0000	56956	14222
LIAS	11.2054	12.8758	11.3888	13.7514	13.916	10.9884	lipoic acid synthetase [Source:HGNC Symbol;Acc:HGNC:16429]	chr4:39460	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	11019	16429
LIF	26.4483	27.2576	46.1411	8.96442	8.5477	9.50234	leukemia inhibitory factor [Source:HGNC Symbol;Acc:HGNC:6596	chr22:3063	NM_00125	XM_01153	.	.	NP_00124	XP_006724	protein_co	ENSG0000	3976	6596
LIFR	2.4268	2.57709	3.48954	2.20521	2.75712	4.01109	leukemia inhibitory factor receptor alpha [Source:HGNC Symbol;	chr5:38475	NM_00112	XM_01700	.	.	NP_00112	XP_011512	protein_co	ENSG0000	3977	6597
LIG1	25.7923	27.6283	21.7034	29.7764	27.0471	20.7445	DNA ligase 1 [Source:HGNC Symbol;Acc:HGNC:6598]	chr19:4861	NM_00023	XM_00672	.	.	NP_00022	XP_006723	protein_co	ENSG0000	3978	6598
LIG3	9.78566	10.3949	9.35804	10.1127	9.69264	9.61747	DNA ligase 3 [Source:HGNC Symbol;Acc:HGNC:6600]	chr17:3330	NM_00231	XM_01152	.	.	NP_00230	XP_005258	protein_co	ENSG0000	3980	6600
LIG4	4.75285	4.60955	5.90299	4.09614	6.30905	7.21048	DNA ligase 4 [Source:HGNC Symbol;Acc:HGNC:6601]	chr13:1088	NM_00109	XM_01702	.	.	NP_00109	XP_005254	protein_co	ENSG0000	3981	6601
LILRA1	0	0	0	0	0	0	leukocyte immunoglobulin like receptor A1 [Source:HGNC Symbo	chr19:5508	NM_00127	XM_01152	NR_10350	.	NP_00126	.	protein_co	ENSG0000	11024	6602
LILRA2	0	0	0	0	0	0	leukocyte immunoglobulin like receptor A2 [Source:HGNC Symbo	chr19:5508	NM_00113	XM_01152	.	.	NP_00112	XP_011524	protein_co	ENSG0000	11027	6603
LILRA4	0	0	0	0	0	0	leukocyte immunoglobulin like receptor A4 [Source:HGNC Symbo	chr19:5484	NM_01227	.	.	.	.	.	protein_co	ENSG0000	23547	15503
LILRA5	0	0	0	0	0	0	leukocyte immunoglobulin like receptor A5 [Source:HGNC Symbo	chr19:5481	NM_02125	.	.	.	NP_06707	.	protein_co	ENSG0000	353514	16309
LILRA6	0	0	0	0	0	0	leukocyte immunoglobulin like receptor A6 [Source:HGNC Symbo	chr19:5472	NM_02431	.	.	.	NP_07729	.	protein_co	ENSG0000	79168	15495
LILRB1	0	0	0	0	0	0	leukocyte immunoglobulin like receptor B1 [Source:HGNC Symbo	chr19:5512	NM_00108	XM_01702	.	.	NP_00107	XP_011524	protein_co	ENSG0000	10859	6605
LILRB2	0	0	0	0	0	0	leukocyte immunoglobulin like receptor B2 [Source:HGNC Symbo	chr19:5477	NM_00108	XM_01152	.	.	NP_00126	.	protein_co	ENSG0000	10288	6606
LILRB3	0	0	0	0	0	0	leukocyte immunoglobulin like receptor B3 [Source:HGNC Symbo	chr19:5472	NM_00108	XM_01152	.	.	NP_00107	XP_011524	protein_co	ENSG0000	107987462	6607
LILRB4	0	0	0	0	0	0	leukocyte immunoglobulin like receptor B4 [Source:HGNC Symbo	chr19:5517	NM_00127	XM_01152	.	.	NP_00126	.	protein_co	ENSG0000	11006	6608
LILRB5	0.02145	0	0	0	0	0	leukocyte immunoglobulin like receptor B5 [Source:HGNC Symbo	chr19:5475	NM_00108	XM_01152	.	.	NP_00107	XP_011524	protein_co	ENSG0000	10990	6609
LIM2	0	0	0	0	0	0	lens intrinsic membrane protein 2 [Source:HGNC Symbol;Acc:HG	chr19:5188	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	3982	6610
LIMA1	37.0518	38.0758	41.9893	31.3236	32.1039	38.7998	LIM domain and actin binding 1 [Source:HGNC Symbol;Acc:HGNC	chr12:5056	NM_00111	XM_01153	.	.	NP_00110	XP_011536	protein_co	ENSG0000	51474	24636
LIMCH1	1.51535	1.70204	2.58167	1.77532	1.92396	2.0092	LIM and calponin homology domains 1 [Source:HGNC Symbol;Acc	chr4:41361	NM_00111	XM_01700	.	.	NP_00110	XP_005248	protein_co	ENSG0000	22998	29191
LIMD1	10.5828	11.4074	9.45407	10.1955	10.6587	9.29228	LIM domains containing 1 [Source:HGNC Symbol;Acc:HGNC:6612]	chr3:45635	NM_01424	.	.	.	NP_05505	.	protein_co	ENSG0000	8994	6612
LIMD2	7.16005	6.25244	7.67561	6.43243	5.14969	4.17813	LIM domain containing 2 [Source:HGNC Symbol;Acc:HGNC:28142]	chr17:6169	NM_03057	XM_00672	.	.	NP_08505	XP_005257	protein_co	ENSG0000	80774	28142
LIME1	17.7676	16.6344	19.2795	19.6428	17.5402	15.7053	Lck interacting transmembrane adaptor 1 [Source:HGNC Symbol;	chr20:6236	NM_01780	.	.	.	NP_00129	.	protein_co	ENSG0000	54923	26016
LIMK1	22.997	23.1038	27.2395	28.9973	25.2625	27.8111	LIM domain kinase 1 [Source:HGNC Symbol;Acc:HGNC:6613]	chr7:73497	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	3984	6613

LIMK2	10.2769	11.9937	9.67592	11.6598	10.5843	9.52411	LIM domain kinase 2 [Source:HGNC Symbol;Acc:HGNC:6614]	chr22:3160	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	3985	6614
LIMS1	11.886	12.2174	11.6565	13.0361	13.6557	13.6711	LIM zinc finger domain containing 1 [Source:HGNC Symbol;Acc:H	chr2:10915	NM_00119	XM_00526	.	.	NP_00118	XP_005264	protein_co	ENSG0000	3987	6616
LIMS2	1.16058	1.17232	2.73553	0.991231	0.673224	1.30314	LIM zinc finger domain containing 2 [Source:HGNC Symbol;Acc:H	chr2:12839	NM_00113	XM_01151	.	.	NP_00112	XP_005263	protein_co	ENSG0000	55679	16084
LIMS3	0	0	0	0.114602	0	0	LIM zinc finger domain containing 3 [Source:HGNC Symbol;Acc:H	chr2:11065	NM_03351	.	.	.	NP_27704	XP_005264	protein_co	ENSG0000	96626	30047
LIMS4	0.342303	0.348949	0.343985	0.251147	0.457648	0.059784	LIM zinc finger domain containing 4 [Source:HGNC Symbol;Acc:H	chr2:11120	NM_00120	XM_00526	.	.	NP_00119	XP_005263	protein_co	ENSG0000	100288695	39941
LIN28A	0.232911	0.365047	0.403071	0.052134	0.090673	0.166335	lin-28 homolog A [Source:HGNC Symbol;Acc:HGNC:15986]	chr1:26737	NM_02467	XM_01154	.	.	NP_07895	XP_011540	protein_co	ENSG0000	79727	15986
LIN28B	0.089803	0.016942	0.157313	0	0.098494	0.045064	lin-28 homolog B [Source:HGNC Symbol;Acc:HGNC:32207]	chr6:10538	NM_00100	XM_01153	.	.	NP_00100	XP_006715	protein_co	ENSG0000	389421	32207
LIN37	7.82713	8.10386	5.99222	6.97419	5.69605	4.63862	lin-37 DREAM MuvB core complex component [Source:HGNC Syn	chr19:3623	NM_0191	.	.	.	NP_06197	.	protein_co	ENSG0000	55957	33234
LIN52	7.80828	7.92564	7.56108	8.60084	9.01099	9.96564	lin-52 DREAM MuvB core complex component [Source:HGNC Syn	chr14:7455	NM_00102	XM_01702	.	.	NP_00101	XP_016877	protein_co	ENSG0000	91750	19856
LIN54	6.24023	7.52383	5.32393	5.79855	8.05814	6.98943	lin-54 DREAM MuvB core complex component [Source:HGNC Syn	chr4:83845	NM_00111	XM_00671	.	.	NP_00110	XP_005262	protein_co	ENSG0000	132660	25397
LIN7A	0.769719	0.729184	0.915833	0.757612	0.717541	1.1007	lin-7 homolog A, crumbs cell polarity complex component [Sourc	chr12:8118	NM_00132	XM_01153	.	.	NP_00131	XP_011537	protein_co	ENSG0000	8825	17787
LIN7B	0.755711	1.59427	2.26435	1.61521	0.299559	2.40538	lin-7 homolog B, crumbs cell polarity complex component [Sourc	chr19:4961	NM_00130	XM_00672	.	.	NP_00129	XP_005259	protein_co	ENSG0000	64130	17788
LIN7C	10.4888	12.212	10.2974	11.7038	11.81	12.8794	lin-7 homolog C, crumbs cell polarity complex component [Sourc	chr11:2751	NM_01836	.	.	.	NP_06083	.	protein_co	ENSG0000	55327	17789
LIN9	3.66348	4.34665	4.11945	5.85994	8.09693	7.10706	lin-9 DREAM MuvB core complex component [Source:HGNC Sym	chr1:22641	NM_00127	XM_00671	.	.	NP_00125	XP_005273	protein_co	ENSG0000	286826	30830
LINC00083	0	0	0	0	0	0	long intergenic non-protein coding RNA 83 [Source:HGNC Symbo	chr1:17806	.	.	.	.	.	.	protein_co	ENSG0000	.	34521
LINC00094	10.2365	10.6857	11.7587	10.1447	7.43182	6.69992	long intergenic non-protein coding RNA 94 [Source:HGNC Symbo	chr9:13689	.	.	.	.	.	.	protein_co	ENSG0000	.	24742
LINC00116	55.6999	50.22	45.6616	57.7031	45.7051	32.0716	long intergenic non-protein coding RNA 116 [Source:HGNC Symb	chr2:11096	.	.	.	.	.	.	protein_co	ENSG0000	.	27339
LINC00176	0.461191	0.289671	0.129523	0.647629	0.183758	0.177466	long intergenic non-protein coding RNA 176 [Source:HGNC Symb	chr20:6266	.	.	.	.	.	.	protein_co	ENSG0000	.	27655
LINC00238	0	0	0	0	0	0	long intergenic non-protein coding RNA 238 [Source:HGNC Symb	chr14:6695	.	.	.	.	.	.	protein_co	ENSG0000	.	20100
LINC00371	0	0	0	0	0	0	long intergenic non-protein coding RNA 371 [Source:HGNC Symb	chr13:5165	.	.	.	.	.	.	protein_co	ENSG0000	.	42693
LINC00493	87.0762	68.0758	86.9436	93.9079	66.4546	69.6553	long intergenic non-protein coding RNA 493 [Source:HGNC Symb	chr20:1854	.	.	.	.	.	.	protein_co	ENSG0000	.	43430
LINC00521	0	0	0	0	0	0	long intergenic non-protein coding RNA 521 [Source:HGNC Symb	chr14:9446	.	.	.	.	.	.	protein_co	ENSG0000	.	19860
LINC00633	0	0	0	0	0	0	long intergenic non-protein coding RNA 633 [Source:HGNC Symb	chrX:13425	.	.	.	.	.	.	protein_co	ENSG0000	.	44269
LINC00672	0.659806	0.583742	0.64758	0.698726	0.729558	0.887636	long intergenic non-protein coding RNA 672 [Source:HGNC Symb	chr17:3708	.	.	.	.	.	.	protein_co	ENSG0000	.	44353
LINC00675	0	0	0	0	0	0	long intergenic non-protein coding RNA 675 [Source:HGNC Symb	chr17:1069	.	.	.	.	.	.	protein_co	ENSG0000	.	44356
LINC00684	0	0	0	0	0	0	long intergenic non-protein coding RNA 684 [Source:HGNC Symb	chrX:72158	.	.	.	.	.	.	protein_co	ENSG0000	.	44268
LINC00694	9.22E-33	1.52E-96	1.14E-37	5.64E-50	9.88E-24	1E-41	long intergenic non-protein coding RNA 694 [Source:HGNC Symb	chr3:44462	.	.	.	.	.	.	protein_co	ENSG0000	.	44570
LINC00696	0	0.183093	0	0	0	0	long intergenic non-protein coding RNA 696 [Source:HGNC Symb	chr3:52097	.	.	.	.	.	.	protein_co	ENSG0000	.	34426
LINC00890	0	0	0	0	0	0	long intergenic non-protein coding RNA 890 [Source:HGNC Symb	chrX:11075	.	.	.	.	.	.	protein_co	ENSG0000	.	48576
LINC00935	0	0	0	0	0	0	long intergenic non-protein coding RNA 935 [Source:HGNC Symb	chr12:4912	.	.	.	.	.	.	protein_co	ENSG0000	.	48628
LINC00959	0.673301	0.293528	0.416496	1.25953	0.220057	0.201735	long intergenic non-protein coding RNA 959 [Source:HGNC Symb	chr10:1318	.	.	.	.	.	.	protein_co	ENSG0000	.	48677
LINC00961	0.053254	0.058977	0.050108	0	0	0.060773	long intergenic non-protein coding RNA 961 [Source:HGNC Symb	chr9:35909	.	.	.	.	.	.	protein_co	ENSG0000	.	27244
LINC00998	80.0346	74.244	78.9828	98.0548	88.4978	82.2043	long intergenic non-protein coding RNA 998 [Source:HGNC Symb	chr7:11275	.	.	.	.	.	.	protein_co	ENSG0000	.	48953
LINC00999	2.82664	4.59284	3.11765	3.0006	2.59575	2.89619	long intergenic non-protein coding RNA 999 [Source:HGNC Symb	chr10:3871	.	.	.	.	.	.	protein_co	ENSG0000	.	38537
LINC01125	0.196587	0.206173	0.434487	0	0	0.569117	long intergenic non-protein coding RNA 1125 [Source:HGNC Sym	chr2:98286	.	.	NR_03838	.	.	.	protein_co	ENSG0000	728537	49272
LINC01207	0	0	0	0	0	0	long intergenic non-protein coding RNA 1207 [Source:HGNC Sym	chr4:16567	.	.	.	.	.	.	protein_co	ENSG0000	.	49638
LINC01314	0.010187	0	0	0.01136	0.011471	0	long intergenic non-protein coding RNA 1314 [Source:HGNC Sym	chr15:8048	.	.	.	.	.	.	protein_co	ENSG0000	.	50507
LINC01420	54.4312	49.1516	49.6677	52.1349	41.8773	51.5807	long intergenic non-protein coding RNA 1420 [Source:HGNC Sym	chrX:56755	.	.	.	.	.	.	protein_co	ENSG0000	.	50713
LINGO1	10.7985	10.8565	8.54251	11.2871	10.0909	6.85882	leucine rich repeat and Ig domain containing 1 [Source:HGNC Syn	chr15:7790	NM_00130	XM_01152	.	.	NP_00128	XP_011520	protein_co	ENSG0000	84894	21205
LINGO2	0	0	0	0	0.030296	0	leucine rich repeat and Ig domain containing 2 [Source:HGNC Syn	chr9:27948	NM_00125	XM_01151	.	.	NP_00124	XP_005251	protein_co	ENSG0000	158038	21207
LINGO3	0	0	0	0	0	0	leucine rich repeat and Ig domain containing 3 [Source:HGNC Syn	chr19:2289	NM_0011	.	.	.	NP_00109	.	protein_co	ENSG0000	645191	21206
LINGO4	0	0	0	0	0	0	leucine rich repeat and Ig domain containing 4 [Source:HGNC Syn	chr1:15177	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	339398	31814
LINS1	4.67086	4.77079	5.55722	3.89508	5.07328	4.87308	lines homolog 1 [Source:HGNC Symbol;Acc:HGNC:30922]	chr15:1011	NM_00104	XM_00525	.	.	NP_00103	XP_005254	protein_co	ENSG0000	55180	30922
LIPA	21.0031	20.0499	20.6119	19.0187	21.3524	22.3056	lipase A, lysosomal acid type [Source:HGNC Symbol;Acc:HGNC:66	chr10:9097	NM_00023	.	.	.	NP_00022	.	protein_co	ENSG0000	3988	6617
LIPC	0	0	0	0	0	0	lipase C, hepatic type [Source:HGNC Symbol;Acc:HGNC:6619]	chr15:5870	NM_00023	XM_00672	.	.	NP_00022	XP_005254	protein_co	ENSG0000	3990	6619
LIPE	1.32046	1.1931	1.34546	2.26472	2.21839	1.64166	lipase E, hormone sensitive type [Source:HGNC Symbol;Acc:HGN	chr19:4290	NM_00535	XM_00672	.	.	NP_00534	XP_005258	protein_co	ENSG0000	3991	6621
LIPF	0	0	0.053348	0	0	0	lipase F, gastric type [Source:HGNC Symbol;Acc:HGNC:6622]	chr10:9042	NM_00119	XM_01154	.	.	NP_00118	XP_011538	protein_co	ENSG0000	8513	6622
LIPG	1.22303	1.79401	2.40725	0.008889	0.060484	0.054904	lipase G, endothelial type [Source:HGNC Symbol;Acc:HGNC:6623]	chr18:4708	NM_00130	XM_01152	.	.	NP_00129	XP_011524	protein_co	ENSG0000	9388	6623
LIPH	4.81848	5.17882	5.27508	3.27733	3.61897	5.78829	lipase H [Source:HGNC Symbol;Acc:HGNC:18483]	chr3:18522	NM_13924	XM_01151	.	.	NP_64034	XP_006713	protein_co	ENSG0000	200879	18483
LIPI	0	0	0	0	0	0	lipase I [Source:HGNC Symbol;Acc:HGNC:18821]	chr21:1548	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	149998	18821
LIPJ	0	0	0	0	0	0	lipase family member J [Source:HGNC Symbol;Acc:HGNC:21773]	chr10:9034	NM_00101	XM_01153	.	.	NP_00101	XP_006717	protein_co	ENSG0000	142910	21773
LIPK	0	0	0	0	0	0	lipase family member K [Source:HGNC Symbol;Acc:HGNC:23444]	chr10:9048	NM_00108	XM_01154	.	.	NP_00107	XP_011538	protein_co	ENSG0000	643414	23444
LIPM	0.050519	0	0	0	0	0	lipase family member M [Source:HGNC Symbol;Acc:HGNC:23455]	chr10:9056	NM_00112	XM_01153	.	.	NP_00112	XP_011538	protein_co	ENSG0000	340654	23455
LIPN	0	0	0	0	0	0	lipase family member N [Source:HGNC Symbol;Acc:HGNC:23452]	chr10:9052	NM_00110	XM_01154	.	.	NP_00109	XP_005270	protein_co	ENSG0000	643418	23452
LIPT1	5.19285	3.93535	4.33609	3.43008	3.15573	4.7064	lipoyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:29569]	chr2:99771	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	51601	29569
LIPT2	2.03766	1.60249	1.93037	0.812896	1.25046	1.16449	lipoyl(octanoyl) transferase 2 (putative) [Source:HGNC Symbol;A	chr11:7420	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	387787	37216
LITAF	44.409	44.2874	56.1118	57.5856	51.5026	60.2229	lipopolysaccharide induced TNF factor [Source:HGNC Symbol;Acc	chr16:1164	NM_00113	XM_00672	.	.	NP_00112	XP_006721	protein_co	ENSG0000	9516	16841
LIX1	0	0	0	0.02361	0.045782	0	limb and CNS expressed 1 [Source:HGNC Symbol;Acc:HGNC:1858	chr5:96427	NM_15323	.	.	.	NP_69496	.	protein_co	ENSG0000	167410	18581
LIX1L	10.011	10.2288	10.6337	10.9021	11.3358	10.2556	limb and CNS expressed 1 like [Source:HGNC Symbol;Acc:HGNC:2	chr1:14545	NM_15371	.	.	.	NP_71492	.	protein_co	ENSG0000	128077	28715

LKAAEAR1	0	0	0	0	0	0	LKAAEAR motif containing 1 [Source:HGNC Symbol;Acc:HGNC:33	chr20:6271	NM_00100	XM_01152	.	.	NP_00100	XP_00526	protein_co	ENSG0000	198437	33718
LL0XNC01-16G2.1	0	0	0	0	0	0	.	chrX:15258	.	XM_01703	.	.	.	XP_01685	protein_co	ENSG0000	105373377	.
LLGL1	22.7623	23.3207	25.2338	27.7726	26.1592	25.1583	LLGL1, scribble cell polarity complex component [Source:HGNC S	chr17:1812	NM_00414	XM_01152	.	.	NP_00413	XP_01152	protein_co	ENSG0000	3996	6628
LLGL2	48.8507	49.2521	57.5065	59.4302	56.5576	57.3851	LLGL2, scribble cell polarity complex component [Source:HGNC S	chr17:7352	NM_00101	XM_01702	.	.	NP_00101	XP_00672	protein_co	ENSG0000	3993	6629
LLNLF-187D8.1	0	0	0	0	0	0	.	chr19:4692	.	.	.	.	.	.	protein_co	ENSG0000	.	.
LLPH	45.6566	39.7875	36.9621	47.4863	41.5128	33.2907	LLP homolog, long-term synaptic facilitation [Source:HGNC Symb	chr12:6651	NM_03233	.	.	.	NP_11571	.	protein_co	ENSG0000	84298	28229
LMAN1	24.7161	27.4024	21.6699	21.9442	27.1867	30.4175	lectin, mannose binding 1 [Source:HGNC Symbol;Acc:HGNC:6631	chr18:5699	NM_00557	.	.	.	NP_00556	.	protein_co	ENSG0000	3998	6631
LMAN1L	0	0	0	0	0	0	lectin, mannose binding 1 like [Source:HGNC Symbol;Acc:HGNC:6	chr15:7510	NM_02181	.	.	.	NP_06859	.	protein_co	ENSG0000	79748	6632
LMAN2	112.607	112.162	86.9805	113.223	97.3798	92.8822	lectin, mannose binding 2 [Source:HGNC Symbol;Acc:HGNC:1698	chr5:17675	NM_00681	.	.	.	NP_00680	.	protein_co	ENSG0000	10960	16986
LMAN2L	14.8781	12.9938	11.6244	18.7264	15.4373	13.0042	lectin, mannose binding 2 like [Source:HGNC Symbol;Acc:HGNC:1	chr2:97371	NM_00114	XM_01151	.	.	NP_00113	.	protein_co	ENSG0000	81562	19263
LMBR1	14.5249	14.2248	15.3299	12.4154	14.9827	17.3691	limb development membrane protein 1 [Source:HGNC Symbol;Ac	chr7:15647	NM_02245	XM_01151	.	.	NP_07190	XP_00524	protein_co	ENSG0000	64327	13243
LMBR1L	8.75095	7.70231	8.91445	6.05881	4.75754	8.2096	limb development membrane protein 1 like [Source:HGNC Symbo	chr12:4949	NM_00130	XM_01153	.	.	NP_00128	XP_01153	protein_co	ENSG0000	55716	18268
LMBRD1	6.73511	5.78935	6.33636	4.30618	5.13544	7.50839	LMBR1 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:23	chr6:70385	NM_01836	XM_01153	.	.	NP_06083	XP_01153	protein_co	ENSG0000	55788	23038
LMBRD2	0.500648	0.426361	0.531219	0.248301	0.421077	0.455385	LMBR1 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:25	chr5:36098	NM_00100	XM_01151	.	.	NP_00100	XP_01151	protein_co	ENSG0000	92255	25287
LMCD1	3.96343	4.10468	2.67663	5.40137	3.98394	2.75554	LIM and cysteine rich domains 1 [Source:HGNC Symbol;Acc:HGN	chr3:85433	NM_00127	.	.	.	NP_00126	XP_01153	protein_co	ENSG0000	29995	6633
LMF1	3.60552	3.8362	4.06475	2.98092	1.74912	2.87536	lipase maturation factor 1 [Source:HGNC Symbol;Acc:HGNC:1415	chr16:9036	NM_02277	XM_01152	.	.	NP_07361	XP_00672	protein_co	ENSG0000	64788	14154
LMF2	28.6979	23.7756	25.5602	22.7686	18.8868	19.9842	lipase maturation factor 2 [Source:HGNC Symbol;Acc:HGNC:2509	chr22:5094	NM_03332	XM_01153	.	.	NP_14997	XP_00526	protein_co	ENSG0000	91289	25096
LMLN	3.0059	2.72596	2.99201	2.05117	3.01369	3.13403	leishmanolysin like peptidase [Source:HGNC Symbol;Acc:HGNC:1	chr3:19768	NM_00113	XM_01700	.	.	NP_00112	XP_01151	protein_co	ENSG0000	89782	15991
LMNA	220.486	230.416	191.541	254.351	221.389	187.633	lamin A/C [Source:HGNC Symbol;Acc:HGNC:6636]	chr1:15605	NM_00125	XM_01150	.	.	NP_00124	XP_01150	protein_co	ENSG0000	4000	6636
LMNB1	77.8307	78.5178	58.1983	107.551	101.098	94.494	lamin B1 [Source:HGNC Symbol;Acc:HGNC:6637]	chr5:12611	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	4001	6637
LMNB2	117.077	121.436	103.051	146.223	137.048	110.449	lamin B2 [Source:HGNC Symbol;Acc:HGNC:6638]	chr19:2428	NM_03273	XM_01152	NR_10695	.	NP_11612	.	protein_co	ENSG0000	102466806	6638
LMNTD1	0	0	0.049832	0.06439	0	0	lamin tail domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2	chr12:2562	NM_00114	XM_01152	.	.	NP_00113	XP_01151	protein_co	ENSG0000	160492	26683
LMNTD2	0.985734	0.891008	1.56375	0.492093	0.554675	1.13611	lamin tail domain containing 2 [Source:HGNC Symbol;Acc:HGNC:2	chr11:5375	NM_17357	XM_01151	.	.	NP_77584	XP_01151	protein_co	ENSG0000	256329	28561
LMO1	0.31109	0.200692	0.26984	0.501572	0.972245	1.02486	LIM domain only 1 [Source:HGNC Symbol;Acc:HGNC:6641]	chr11:8245	NM_00127	XM_01152	.	.	NP_00125	XP_01151	protein_co	ENSG0000	4004	6641
LMO2	3.44129	3.53483	3.47083	2.74006	2.84992	3.15928	LIM domain only 2 [Source:HGNC Symbol;Acc:HGNC:6642]	chr11:3388	NM_00114	XM_01152	.	.	NP_00113	XP_00525	protein_co	ENSG0000	4005	6642
LMO3	0	0	0	0	0	0	LIM domain only 3 [Source:HGNC Symbol;Acc:HGNC:6643]	chr12:1670	NM_00100	XM_01152	.	.	NP_00100	XP_00671	protein_co	ENSG0000	55885	6643
LMO4	23.3962	23.7922	18.7191	22.4578	19.8358	36.0146	LIM domain only 4 [Source:HGNC Symbol;Acc:HGNC:6644]	chr1:87794	NM_00676	XM_00527	.	.	NP_00676	XP_00527	protein_co	ENSG0000	8543	6644
LMO7	1.99982	2.46112	1.76838	3.42147	3.80357	2.67561	LIM domain 7 [Source:HGNC Symbol;Acc:HGNC:6646]	chr13:7619	NM_00535	XM_01702	.	.	NP_00129	XP_01153	protein_co	ENSG0000	4008	6646
LMO7DN	0	0	0	0	0	0	LMO7 downstream neighbor [Source:HGNC Symbol;Acc:HGNC:44	chr13:7644	NM_00125	XM_01153	.	.	NP_00124	XP_01153	protein_co	ENSG0000	729420	44370
LMOD1	0.036853	0.018609	0.097269	0.019978	0.029547	0.041366	leiomodin 1 [Source:HGNC Symbol;Acc:HGNC:6647]	chr1:20186	NM_01213	.	.	.	NP_03626	.	protein_co	ENSG0000	25802	6647
LMOD2	0	0	0	0	0	0	leiomodin 2 [Source:HGNC Symbol;Acc:HGNC:6648]	chr7:12329	NM_20716	.	.	.	NP_99704	.	protein_co	ENSG0000	442721	6648
LMOD3	0	0	0.020364	0	0	0.023257	leiomodin 3 [Source:HGNC Symbol;Acc:HGNC:6649]	chr3:69156	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	56203	6649
LMTK2	5.93164	6.70428	6.35921	5.3752	5.66889	6.95294	lemur tyrosine kinase 2 [Source:HGNC Symbol;Acc:HGNC:17880]	chr7:97736	NM_01491	XM_01151	.	.	NP_05573	XP_01151	protein_co	ENSG0000	22853	17880
LMTK3	3.99712	3.95895	5.56345	2.7037	2.50613	3.22864	lemur tyrosine kinase 3 [Source:HGNC Symbol;Acc:HGNC:19295]	chr19:4898	NM_00108	XM_01152	.	.	NP_00107	XP_01152	protein_co	ENSG0000	114783	19295
LMX1A	0	0	0	0	0	0	LIM homeobox transcription factor 1 alpha [Source:HGNC Symbo	chr1:16517	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	4009	6653
LMX1B	4.22632	4.78783	5.26999	5.19614	4.98851	4.52852	LIM homeobox transcription factor 1 beta [Source:HGNC Symbol;	chr9:12937	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	4010	6654
LNP1	0.876389	0.800025	0.548389	0.945184	0.709764	0.780014	leukemia NUP98 fusion partner 1 [Source:HGNC Symbol;Acc:HGN	chr3:10008	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	348801	28014
LNPEP	4.19744	4.78521	4.55783	2.97777	3.73982	4.15827	leucyl and cystinyl aminopeptidase [Source:HGNC Symbol;Acc:HG	chr5:96271	NM_00557	.	.	.	NP_00556	.	protein_co	ENSG0000	4012	6656
LNX1	1.1183	0.963738	1.50709	1.49139	1.29036	1.30469	ligand of numb-protein X 1 [Source:HGNC Symbol;Acc:HGNC:665	chr4:54243	NM_00112	XM_00526	.	.	NP_00111	XP_00526	protein_co	ENSG0000	84708	6657
LNX2	5.90576	7.1575	6.03204	6.7578	6.47708	6.33839	ligand of numb-protein X 2 [Source:HGNC Symbol;Acc:HGNC:204	chr13:2812	NM_15337	XM_01702	.	.	NP_69920	XP_01153	protein_co	ENSG0000	222484	20421
LONP1	52.1433	54.7151	42.9706	65.476	57.2946	72.8477	lon peptidase 1, mitochondrial [Source:HGNC Symbol;Acc:HGNC:	chr19:5674	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	9361	9479
LONP2	16.8714	18.2547	17.4098	17.8411	18.3662	16.8231	lon peptidase 2, peroxisomal [Source:HGNC Symbol;Acc:HGNC:20	chr16:4820	NM_00130	XM_01702	.	.	NP_00128	XP_01687	protein_co	ENSG0000	83752	20598
LONRF1	11.2742	9.80739	11.0476	7.52097	10.6139	18.2127	LON peptidase N-terminal domain and ring finger 1 [Source:HGN	chr8:12579	NM_15227	XM_01154	.	.	NP_68948	XP_00527	protein_co	ENSG0000	91694	26302
LONRF2	0.876741	0.969872	1.64431	0.19983	0.329778	0.436854	LON peptidase N-terminal domain and ring finger 2 [Source:HGN	chr2:10088	NM_19846	XM_01151	.	.	NP_94086	.	protein_co	ENSG0000	164832	24788
LONRF3	1.19555	1.91334	1.70026	2.51141	2.48383	3.06193	LON peptidase N-terminal domain and ring finger 3 [Source:HGN	chrX:11810	NM_00103	XM_00526	.	.	NP_00102	XP_00526	protein_co	ENSG0000	79836	21152
LOR	0	0	0	0	0	0	loricrin [Source:HGNC Symbol;Acc:HGNC:6663]	chr1:15323	NM_00042	.	.	.	NP_00041	.	protein_co	ENSG0000	4014	6663
LOX	0.019221	0	0	0	0	0	lysyl oxidase [Source:HGNC Symbol;Acc:HGNC:6664]	chr5:12139	NM_00231	.	.	.	NP_00230	.	protein_co	ENSG0000	4015	6664
LOXHD1	0	0.014537	0	0	0	0	lipoxygenase homology domains 1 [Source:HGNC Symbol;Acc:HG	chr18:4405	NM_00114	XM_01702	.	.	NP_00113	XP_00672	protein_co	ENSG0000	125336	26521
LOXL1	6.54494	5.75021	8.4641	7.76275	6.45801	7.47302	lysyl oxidase like 1 [Source:HGNC Symbol;Acc:HGNC:6665]	chr15:7421	NM_00557	.	.	.	NP_00556	XP_01151	protein_co	ENSG0000	4016	6665
LOXL2	5.33271	5.11055	8.98539	4.51173	4.97476	7.97292	lysyl oxidase like 2 [Source:HGNC Symbol;Acc:HGNC:6666]	chr8:23154	NM_00231	.	.	.	NP_00230	.	protein_co	ENSG0000	4017	6666
LOXL3	1.99946	2.19668	1.56384	2.38405	2.24752	1.68535	lysyl oxidase like 3 [Source:HGNC Symbol;Acc:HGNC:13869]	chr2:74753	NM_00128	XM_01153	.	.	NP_00127	XP_01153	protein_co	ENSG0000	84695	13869
LOXL4	0.716089	0.68134	1.67273	0.504177	0.378835	0.705782	lysyl oxidase like 4 [Source:HGNC Symbol;Acc:HGNC:17171]	chr10:1000	NM_03221	XM_00671	.	.	NP_11558	XP_00527	protein_co	ENSG0000	84171	17171
LPA	0	0	0	0	0	0	lipoprotein(a) [Source:HGNC Symbol;Acc:HGNC:6667]	chr6:16095	NM_00557	.	.	.	NP_00556	.	protein_co	ENSG0000	4018	6667
LPAR1	7.61253	7.02635	4.9745	3.46511	4.2205	3.14957	lysophosphatidic acid receptor 1 [Source:HGNC Symbol;Acc:HGN	chr9:11363	NM_00140	XM_01701	.	.	NP_00139	XP_00525	protein_co	ENSG0000	1902	3166
LPAR2	15.8359	17.6628	15.7648	19.3449	17.1195	19.183	lysophosphatidic acid receptor 2 [Source:HGNC Symbol;Acc:HGN	chr19:1973	NM_00447	XM_01152	.	.	NP_00471	XP_01152	protein_co	ENSG0000	9170	3168
LPAR3	14.6323	14.2907	15.6435	15.9547	16.0929	13.554	lysophosphatidic acid receptor 3 [Source:HGNC Symbol;Acc:HGN	chr1:85277	NM_01215	XM_01154	.	.	NP_03628	XP_01153	protein_co	ENSG0000	23566	14298
LPAR4	0	0	0	0	0	0.043831	lysophosphatidic acid receptor 4 [Source:HGNC Symbol;Acc:HGN	chrX:78003	NM_00127	XM_01153	.	.	NP_00126	XP_00526	protein_co	ENSG0000	2846	4478
LPAR5	3.47813	3.29175	2.96209	3.74962	3.12507	3.82331	lysophosphatidic acid receptor 5 [Source:HGNC Symbol;Acc:HGN	chr12:6728	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	57121	13307
LPAR6	0.084287	0	0	0	0.045785	0	lysophosphatidic acid receptor 6 [Source:HGNC Symbol;Acc:HGN	chr13:4887	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	10161	15520

LPCAT1	67.3802	67.7203	47.2906	61.5914	60.1307	45.6217	lysophosphatidylcholine acyltransferase 1 [Source:HGNC Symbol;	chr5:14615	NM_02483	XM_01151	.	.	NP_07910	XP_005248	protein_co	ENSG0000	79888	25718
LPCAT2	4.20656	4.65152	4.13334	4.74732	5.02124	5.54651	lysophosphatidylcholine acyltransferase 2 [Source:HGNC Symbol;	chr16:5554	NM_01783	XM_01702	.	.	NP_06030	XP_016878	protein_co	ENSG0000	54947	26032
LPCAT3	20.9254	20.3409	26.6772	25.2337	25.6542	17.3709	lysophosphatidylcholine acyltransferase 3 [Source:HGNC Symbol;	chr12:7080	NM_00576	.	.	.	NP_00575	.	protein_co	ENSG0000	10162	30244
LPCAT4	18.5506	18.8795	25.9346	20.6203	15.5341	17.1561	lysophosphatidylcholine acyltransferase 4 [Source:HGNC Symbol;	chr15:3465	NM_15361	XM_01152	.	.	NP_70584	XP_011519	protein_co	ENSG0000	254531	30059
LPGAT1	13.296	14.3324	15.061	11.6577	13.6721	18.3421	lysophosphatidylglycerol acyltransferase 1 [Source:HGNC Symbol	chr1:21191	NM_00132	XM_01151	.	.	NP_00130	XP_005273	protein_co	ENSG0000	9926	28985
LPIN1	6.0678	6.31241	5.11536	5.0562	5.00897	4.45911	lipin 1 [Source:HGNC Symbol;Acc:HGNC:13345]	chr2:11817	NM_00126	XM_01151	.	.	NP_00124	XP_006711	protein_co	ENSG0000	23175	13345
LPIN2	5.14839	4.9233	4.71299	3.31508	4.27713	4.49429	lipin 2 [Source:HGNC Symbol;Acc:HGNC:14450]	chr18:2916	NM_01464	XM_01702	.	.	NP_05546	XP_005258	protein_co	ENSG0000	9663	14450
LPIN3	4.54072	4.07449	6.55386	3.7529	3.75598	2.8384	lipin 3 [Source:HGNC Symbol;Acc:HGNC:14451]	chr20:3996	NM_00130	XM_01702	.	.	NP_00128	XP_011527	protein_co	ENSG0000	64900	14451
LPL	0	0	0	0	0	0	lipoprotein lipase [Source:HGNC Symbol;Acc:HGNC:6677]	chr8:19796	NM_00023	.	.	.	NP_00022	.	protein_co	ENSG0000	4023	6677
LPO	0.026445	0.144033	0.026079	0.065625	0.031842	0	lactoperoxidase [Source:HGNC Symbol;Acc:HGNC:6678]	chr17:5628	NM_00116	XM_01152	.	.	NP_00115	XP_011523	protein_co	ENSG0000	4025	6678
LPP	3.92606	3.99253	5.33616	2.63992	3.78994	4.76586	LIM domain containing preferred translocation partner in lipoma	chr3:18787	NM_00116	XM_01700	.	.	NP_00116	XP_005247	protein_co	ENSG0000	4026	6679
LPXN	1.32871	1.28628	1.46957	0.821387	0.97691	1.35864	leupaxin [Source:HGNC Symbol;Acc:HGNC:14061]	chr11:5829	NM_00114	XM_01154	.	.	NP_00113	XP_006718	protein_co	ENSG0000	9404	14061
LRAT	1.46696	1.51457	1.84615	1.8674	2.09396	3.33229	lecithin retinol acyltransferase (phosphatidylcholine--retinol O-ac	chr4:15566	NM_00130	XM_00671	.	.	NP_00128	XP_006714	protein_co	ENSG0000	9227	6685
LRBA	16.29	16.7811	23.3875	14.6371	18.6161	22.4206	LPS responsive beige-like anchor protein [Source:HGNC Symbol;A	chr4:15118	NM_00119	XM_01700	.	.	NP_00118	XP_005263	protein_co	ENSG0000	987	1742
LRCH1	5.75421	6.82274	6.49948	6.07487	6.21108	7.66265	leucine rich repeats and calponin homology domain containing 1	chr13:4712	NM_00116	.	.	.	NP_00115	XP_016875	protein_co	ENSG0000	23143	20309
LRCH2	0	0	0	0	0	0	leucine rich repeats and calponin homology domain containing 2	chrX:11434	NM_00124	XM_01153	.	.	NP_00123	XP_006724	protein_co	ENSG0000	57631	29292
LRCH3	6.97996	7.07758	8.33373	5.9239	7.23341	8.6863	leucine rich repeats and calponin homology domain containing 3	chr3:19751	NM_03277	XM_01151	.	.	NP_11616	XP_005269	protein_co	ENSG0000	84859	28637
LRCH4	10.7136	12.3301	10.9304	12.811	10.9437	12.6219	leucine rich repeats and calponin homology domain containing 4	chr7:10017	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	4034	6691
LRCOL1	0	0	0	0	0	0	leucine rich colipase like 1 [Source:HGNC Symbol;Acc:HGNC:4416	chr12:1331	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100507055	44160
LRFN1	11.994	12.3118	11.4276	13.0176	11.2594	8.60949	leucine rich repeat and fibronectin type III domain containing 1 [S	chr19:3979	NM_02086	XM_01702	.	.	NP_06591	XP_005259	protein_co	ENSG0000	57622	29290
LRFN2	0	0	0	0	0	0	leucine rich repeat and fibronectin type III domain containing 2 [S	chr6:40359	NM_02073	XM_01151	.	.	NP_06578	XP_011513	protein_co	ENSG0000	57497	21226
LRFN3	9.18352	10.5447	8.76601	7.89173	6.94645	6.59551	leucine rich repeat and fibronectin type III domain containing 3 [S	chr19:3642	NM_02450	.	.	.	NP_07878	XP_016882	protein_co	ENSG0000	79414	28370
LRFN4	28.7446	29.7318	30.4378	30.6182	27.7724	23.0598	leucine rich repeat and fibronectin type III domain containing 4 [S	chr11:6661	NM_02403	XM_00527	.	.	NP_07694	XP_005274	protein_co	ENSG0000	78999	28456
LRFN5	0	0	0	0	0	0	leucine rich repeat and fibronectin type III domain containing 5 [S	chr14:4207	NM_15244	XM_00526	.	.	NP_68966	XP_005267	protein_co	ENSG0000	145581	20360
LRG1	0.990765	1.10565	2.29941	0.227454	0.178377	0.194195	leucine rich alpha-2-glycoprotein 1 [Source:HGNC Symbol;Acc:HG	chr19:4536	NM_05297	.	.	.	NP_44320	.	protein_co	ENSG0000	116844	29480
LRGUK	0.281537	0.189478	0.334021	0.144675	0.227527	0.178169	leucine rich repeats and guanylate kinase domain containing [Sou	chr7:13381	NM_14464	XM_01151	.	.	NP_65324	.	protein_co	ENSG0000	136332	21964
LRIF1	14.0779	14.266	12.7595	11.9227	12.6271	15.9766	ligand dependent nuclear receptor interacting factor 1 [Source:H	chr1:11148	NM_00100	XM_01700	.	.	NP_00100	XP_005271	protein_co	ENSG0000	55791	30299
LRIG1	2.13724	2.64435	2.20516	2.75116	2.88455	3.25043	leucine rich repeats and immunoglobulin like domains 1 [Source:	chr3:66119	NM_01554	XM_01153	.	.	NP_05635	XP_011531	protein_co	ENSG0000	26018	17360
LRIG2	2.47563	2.5824	2.4785	2.19551	2.86861	2.89794	leucine rich repeats and immunoglobulin like domains 2 [Source:	chr1:11361	NM_01481	XM_00527	.	.	NP_00129	XP_005271	protein_co	ENSG0000	9860	20889
LRIG3	3.03714	3.71901	3.64931	3.36358	4.12993	3.30538	leucine rich repeats and immunoglobulin like domains 3 [Source:	chr12:5926	NM_00113	XM_01153	.	.	NP_00112	XP_011536	protein_co	ENSG0000	121227	30991
LRIT1	0	0	0	0	0	0	leucine rich repeat, Ig-like and transmembrane domains 1 [Sourc	chr10:8599	NM_01561	.	.	.	NP_05642	XP_011537	protein_co	ENSG0000	26103	23404
LRIT2	0	0	0	0	0	0	leucine rich repeat, Ig-like and transmembrane domains 2 [Sourc	chr10:8598	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	340745	23443
LRIT3	0.252959	0.195905	0.239	0.318599	0.216123	0.249957	leucine rich repeat, Ig-like and transmembrane domains 3 [Sourc	chr4:11076	NM_19850	XM_00526	.	.	NP_94090	XP_005263	protein_co	ENSG0000	345193	24783
LRMP	0.057322	0.10381	0.200713	0	0	0.012483	lymphoid restricted membrane protein [Source:HGNC Symbol;Ac	chr12:2515	NM_00120	XM_01152	.	.	NP_00119	XP_005253	protein_co	ENSG0000	4033	6690
LRP1	1.23397	1.25962	1.7857	1.28299	1.27385	1.02667	LDL receptor related protein 1 [Source:HGNC Symbol;Acc:HGNC:6	chr12:5748	NM_00233	.	.	.	NP_00232	XP_016874	protein_co	ENSG0000	4035	6692
LRP10	21.0515	22.7953	25.9878	15.8225	15.8851	20.72	LDL receptor related protein 10 [Source:HGNC Symbol;Acc:HGNC	chr14:2334	NM_01404	XM_00526	.	.	NP_00131	XP_005267	protein_co	ENSG0000	26020	14553
LRP11	11.5761	12.0837	10.8153	10.5556	11.3773	15.0043	LDL receptor related protein 11 [Source:HGNC Symbol;Acc:HGNC	chr6:15013	NM_03283	XM_01153	.	.	NP_11622	XP_011534	protein_co	ENSG0000	84918	16936
LRP12	3.19384	3.22632	3.44219	3.33454	3.40073	4.23543	LDL receptor related protein 12 [Source:HGNC Symbol;Acc:HGNC	chr8:10550	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	29967	31708
LRP1B	0.007609	0.040486	0.072928	0.038837	0	0.048749	LDL receptor related protein 1B [Source:HGNC Symbol;Acc:HGNC	chr2:14098	NM_01855	XM_01151	.	.	NP_06102	XP_016859	protein_co	ENSG0000	53353	6693
LRP2	0	0	0.060385	0.004684	0	0.004223	LDL receptor related protein 2 [Source:HGNC Symbol;Acc:HGNC:6	chr2:16998	NM_00452	XM_01151	.	.	NP_00451	XP_011509	protein_co	ENSG0000	4036	6694
LRP2BP	1.78685	1.28256	1.95853	1.0028	1.41582	2.26301	LRP2 binding protein [Source:HGNC Symbol;Acc:HGNC:25434]	chr4:18612	NM_01840	XM_01153	.	.	NP_06087	XP_006714	protein_co	ENSG0000	55805	25434
LRP3	17.3018	19.3288	15.4194	22.1489	18.9874	16.7146	LDL receptor related protein 3 [Source:HGNC Symbol;Acc:HGNC:6	chr19:3368	NM_00233	XM_00525	.	.	NP_00232	XP_005259	protein_co	ENSG0000	4037	6695
LRP4	2.0893	2.18142	2.63172	2.28952	2.32163	1.99496	LDL receptor related protein 4 [Source:HGNC Symbol;Acc:HGNC:6	chr11:4687	NM_00233	XM_01152	.	.	NP_00232	XP_016873	protein_co	ENSG0000	4038	6696
LRP5	14.7032	14.5198	16.1736	16.2684	15.9302	16.0391	LDL receptor related protein 5 [Source:HGNC Symbol;Acc:HGNC:6	chr11:6808	NM_00129	XM_01154	.	.	NP_00127	XP_005274	protein_co	ENSG0000	4041	6697
LRP5L	2.81488	2.62689	2.1205	1.96268	2.10031	2.08505	LDL receptor related protein 5 like [Source:HGNC Symbol;Acc:HG	chr22:2574	NM_00113	XM_01153	.	.	NP_00112	XP_006724	protein_co	ENSG0000	91355	25323
LRP6	6.17194	6.31257	6.82543	5.22335	6.95997	7.67276	LDL receptor related protein 6 [Source:HGNC Symbol;Acc:HGNC:6	chr12:1226	NM_00233	XM_01701	.	.	NP_00232	XP_006719	protein_co	ENSG0000	4040	6698
LRP8	13.0877	14.0305	14.8123	12.3406	13.5031	13.4917	LDL receptor related protein 8 [Source:HGNC Symbol;Acc:HGNC:6	chr1:53708	NM_00101	XM_01154	.	.	NP_00101	XP_005271	protein_co	ENSG0000	7804	6700
LRPAP1	20.2922	22.0914	16.9594	25.2387	18.62	15.8892	LDL receptor related protein associated protein 1 [Source:HGNC S	chr4:35081	NM_00233	.	.	.	NP_00232	.	protein_co	ENSG0000	4043	6701
LRPPRC	60.788	63.3776	75.7002	72.0215	80.8961	86.6396	leucine rich pentatricopeptide repeat containing [Source:HGNC S	chr2:44113	NM_13325	XM_01153	.	.	NP_57356	XP_006711	protein_co	ENSG0000	10128	15714
LRR1	19.4888	19.4757	19.3452	27.8779	26.2273	23.718	leucine rich repeat protein 1 [Source:HGNC Symbol;Acc:HGNC:19	chr14:5006	NM_15232	.	.	.	NP_68954	.	protein_co	ENSG0000	122769	19742
LRRC1	12.6212	11.3973	12.7345	10.0372	11.9733	11.7145	leucine rich repeat containing 1 [Source:HGNC Symbol;Acc:HGNC	chr6:53659	NM_01821	XM_01151	.	.	NP_06068	XP_011513	protein_co	ENSG0000	55227	14307
LRRC10	0	0	0	0	0	0	leucine rich repeat containing 10 [Source:HGNC Symbol;Acc:HGN	chr12:7000	NM_20155	.	.	.	NP_96384	.	protein_co	ENSG0000	376132	20264
LRRC10B	0	0.096697	0.170467	0	0	0.056029	leucine rich repeat containing 10B [Source:HGNC Symbol;Acc:HG	chr11:6127	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	390205	37215
LRRC14	18.1813	16.4968	16.8941	15.5079	11.6541	12.8346	leucine rich repeat containing 14 [Source:HGNC Symbol;Acc:HGN	chr8:14574	NM_00127	XM_01701	.	.	NP_00125	XP_005272	protein_co	ENSG0000	9684	20419
LRRC14B	0	0	0	0	0	0	leucine rich repeat containing 14B [Source:HGNC Symbol;Acc:HG	chr5:19162	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	389257	37268
LRRC15	0.073627	0.026535	0.022397	0.04272	0.0295	0.040848	leucine rich repeat containing 15 [Source:HGNC Symbol;Acc:HGN	chr3:19407	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	131578	20818
LRRC16A	6.58862	6.79828	8.08442	7.59789	7.77569	8.26554	capping protein regulator and myosin 1 linker 1 [Source:HGNC Sy	chr6:25279	NM_00117	XM_01701	.	.	NP_00116	XP_005249	protein_co	ENSG0000	55604	21581
LRRC17	0.188169	0.200003	0.163533	0.085151	0.167738	0.111789	leucine rich repeat containing 17 [Source:HGNC Symbol;Acc:HGN	chr7:10245	NM_00103	XM_00525	.	.	NP_00102	XP_005250	protein_co	ENSG0000	10234	16895
LRRC18	0	0	0	0	0	0	leucine rich repeat containing 18 [Source:HGNC Symbol;Acc:HGN	chr10:5011	NM_00100	XM_01153	.	.	NP_00100	XP_006717	protein_co	ENSG0000	474354	23199

LRRC19	0	0	0	0	0	0	leucine rich repeat containing 19 [Source:HGNC Symbol;Acc:HGN	chr9:26904	NM_0229	.	.	.	NP_07505	.	protein_co	ENSG0000	64922	23379
LRRC2	0	0	0	0	0	0	leucine rich repeat containing 2 [Source:HGNC Symbol;Acc:HGNC	chr3:46556	NM_02451	XM_01153	.	.	NP_07878	XP_011532	protein_co	ENSG0000	79442	14676
LRRC20	13.0768	12.1663	13.3899	18.8083	17.5439	16.004	leucine rich repeat containing 20 [Source:HGNC Symbol;Acc:HGN	chr10:7205	NM_00127	XM_01701	.	.	NP_00126	XP_016871	protein_co	ENSG0000	55222	23421
LRRC23	5.36241	4.98867	4.65871	4.38607	3.85068	4.89853	leucine rich repeat containing 23 [Source:HGNC Symbol;Acc:HGN	chr12:6982	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	10233	19138
LRRC24	3.01995	2.7357	2.95344	2.00277	1.47874	2.56172	leucine rich repeat containing 24 [Source:HGNC Symbol;Acc:HGN	chr8:14574	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	441381	28947
LRRC25	0	0	0	0	0.106656	0	leucine rich repeat containing 25 [Source:HGNC Symbol;Acc:HGN	chr19:1850	NM_14525	XM_00525	.	.	NP_66029	XP_005259	protein_co	ENSG0000	126364	29806
LRRC26	3.27815	2.50778	3.30034	3.4672	2.23817	1.23203	leucine rich repeat containing 26 [Source:HGNC Symbol;Acc:HGN	chr9:14003	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	389816	31409
LRRC27	1.62277	1.50762	1.05152	0.903324	1.29431	1.23479	leucine rich repeat containing 27 [Source:HGNC Symbol;Acc:HGN	chr10:1341	NM_00114	XM_01701	.	.	NP_00113	XP_006718	protein_co	ENSG0000	80313	29346
LRRC28	7.35385	7.20447	8.60247	7.97975	7.44513	7.76708	leucine rich repeat containing 28 [Source:HGNC Symbol;Acc:HGN	chr15:9979	NM_00128	XM_01152	.	.	NP_00127	XP_006720	protein_co	ENSG0000	123355	28355
LRRC29	0.543578	0.748726	0.523861	0.485694	0.442364	0.169639	leucine rich repeat containing 29 [Source:HGNC Symbol;Acc:HGN	chr16:6724	NM_00100	XM_01152	.	.	NP_00100	XP_011521	protein_co	ENSG0000	26231	13605
LRRC3	4.21281	3.76156	5.25997	3.3116	3.26871	3.56074	leucine rich repeat containing 3 [Source:HGNC Symbol;Acc:HGNC	chr21:4587	NM_03089	.	.	.	NP_11215	.	protein_co	ENSG0000	81543	14965
LRRC30	0	0	0	0	0	0	leucine rich repeat containing 30 [Source:HGNC Symbol;Acc:HGN	chr18:7231	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	339291	30219
LRRC31	0	0	0	0	0	0	leucine rich repeat containing 31 [Source:HGNC Symbol;Acc:HGN	chr3:16955	NM_00127	XM_01700	.	.	NP_00126	XP_011511	protein_co	ENSG0000	79782	26261
LRRC32	0.168293	0.277842	0.409056	0.354671	0.085387	0.201405	leucine rich repeat containing 32 [Source:HGNC Symbol;Acc:HGN	chr11:7636	NM_00112	XM_01154	.	.	NP_00112	XP_005273	protein_co	ENSG0000	2615	4161
LRRC34	0	0	0	0	0	0	leucine rich repeat containing 34 [Source:HGNC Symbol;Acc:HGN	chr3:16951	NM_00117	XM_01700	.	.	NP_00116	XP_005247	protein_co	ENSG0000	151827	28408
LRRC36	0	0	0	0	0	0	leucine rich repeat containing 36 [Source:HGNC Symbol;Acc:HGN	chr16:6736	NM_00116	XM_01152	.	.	NP_00115	XP_005256	protein_co	ENSG0000	55282	25615
LRRC37A	0.355857	0.146017	0.222795	0.044422	0.132207	0.119601	leucine rich repeat containing 37A [Source:HGNC Symbol;Acc:HG	chr17:4443	NM_01483	XM_01152	.	.	.	XP_005257	protein_co	ENSG0000	9884	29069
LRRC37A2	0.73899	0.644995	0.727324	0.357665	0.426745	0.751199	leucine rich repeat containing 37 member A2 [Source:HGNC Sym	chr17:4445	NM_00100	XM_01152	.	.	NP_00100	XP_011523	protein_co	ENSG0000	474170	32404
LRRC37A3	0.922264	0.928187	0.96112	0.935104	0.779766	1.26808	leucine rich repeat containing 37 member A3 [Source:HGNC Sym	chr17:6285	NM_00130	XM_01702	.	.	NP_00129	XP_011523	protein_co	ENSG0000	374819	32427
LRRC37B	1.51556	1.93691	1.56285	1.61924	1.48194	1.69619	leucine rich repeat containing 37B [Source:HGNC Symbol;Acc:HG	chr17:3033	NM_00132	XM_01152	.	.	NP_00130	XP_011522	protein_co	ENSG0000	114659	29070
LRRC38	0	0	0	0	0	0	leucine rich repeat containing 38 [Source:HGNC Symbol;Acc:HGN	chr1:13801	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	126755	27005
LRRC39	0.649509	0.85054	0.291033	0.422403	0.240556	0.369248	leucine rich repeat containing 39 [Source:HGNC Symbol;Acc:HGN	chr1:10059	NM_00125	XM_01154	.	.	NP_00124	XP_011538	protein_co	ENSG0000	127495	28228
LRRC3B	0	0	0	0	0	0	leucine rich repeat containing 3B [Source:HGNC Symbol;Acc:HGN	chr3:26664	NM_00131	XM_01153	.	.	NP_00130	XP_005264	protein_co	ENSG0000	116135	28105
LRRC3C	0	0	0	0	0	0	leucine rich repeat containing 3C [Source:HGNC Symbol;Acc:HGN	chr17:3809	NM_00119	XM_01152	.	.	NP_00118	XP_011522	protein_co	ENSG0000	100505591	40034
LRRC3DN	0.046824	0.253825	7.14E-05	0.005254	9.24E-05	0.001802	LRRC3 downstream neighbor (non-protein coding) [Source:HGNC	chr21:4587	.	.	.	.	.	.	protein_co	ENSG0000	.	1270
LRRC4	0	0	0	0	0	0	leucine rich repeat containing 4 [Source:HGNC Symbol;Acc:HGNC	chr7:12729	NM_02214	XM_01701	.	.	NP_07142	XP_011514	protein_co	ENSG0000	64101	15586
LRRC40	7.06584	6.68644	6.75845	7.21329	10.0024	9.5078	leucine rich repeat containing 40 [Source:HGNC Symbol;Acc:HGN	chr1:70610	NM_01776	XM_01154	.	.	NP_06023	XP_005271	protein_co	ENSG0000	55631	26004
LRRC41	35.1201	33.7033	31.1609	31.0281	26.189	24.3789	leucine rich repeat containing 41 [Source:HGNC Symbol;Acc:HGN	chr1:46713	NM_00636	.	.	.	NP_00636	.	protein_co	ENSG0000	10489	16917
LRRC42	43.9525	44.6596	44.592	50.6567	46.81	43.6988	leucine rich repeat containing 42 [Source:HGNC Symbol;Acc:HGN	chr1:54411	NM_00125	XM_00671	.	.	NP_00124	XP_006710	protein_co	ENSG0000	115353	28792
LRRC43	0.034079	0.033931	0	0	0.039302	0.037002	leucine rich repeat containing 43 [Source:HGNC Symbol;Acc:HGN	chr12:1226	NM_00109	XM_01701	.	.	NP_00109	XP_016874	protein_co	ENSG0000	254050	28562
LRRC45	18.1199	20.4404	16.421	22.0555	18.8878	14.23	leucine rich repeat containing 45 [Source:HGNC Symbol;Acc:HGN	chr17:7998	NM_14499	.	.	.	NP_65943	.	protein_co	ENSG0000	201255	28302
LRRC46	0.48531	0.65152	0.526542	1.00737	0.507003	0.47971	leucine rich repeat containing 46 [Source:HGNC Symbol;Acc:HGN	chr17:4590	NM_03341	.	.	.	NP_21948	.	protein_co	ENSG0000	90506	25047
LRRC47	21.529	20.877	18.9889	21.1174	20.2037	16.839	leucine rich repeat containing 47 [Source:HGNC Symbol;Acc:HGN	chr1:36951	NM_02071	.	.	.	NP_06576	.	protein_co	ENSG0000	57470	29207
LRRC49	2.68681	2.41355	2.23597	2.14524	2.58505	2.19705	leucine rich repeat containing 49 [Source:HGNC Symbol;Acc:HGN	chr15:7111	NM_00119	XM_01152	.	.	NP_00118	XP_005254	protein_co	ENSG0000	54839	25965
LRRC4B	0.730383	0.603167	0.918199	0.765162	0.264279	0.514129	leucine rich repeat containing 4B [Source:HGNC Symbol;Acc:HGN	chr19:5102	NM_00108	XM_01152	.	.	NP_00107	XP_005259	protein_co	ENSG0000	94030	25042
LRRC4C	0	0	0	0	0	0	leucine rich repeat containing 4C [Source:HGNC Symbol;Acc:HGN	chr11:4013	NM_00125	XM_01152	.	.	NP_00124	XP_011518	protein_co	ENSG0000	57689	29317
LRRC52	0	0	0	0	0	0	leucine rich repeat containing 52 [Source:HGNC Symbol;Acc:HGN	chr1:16551	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	440699	32156
LRRC53	0	0	0	0	0	0	leucine rich repeat containing 53 [Source:HGNC Symbol;Acc:HGN	chr1:74663	.	.	.	.	.	XP_016855	protein_co	ENSG0000	105378803	25255
LRRC55	0.013741	0	0.011895	0	0	0	leucine rich repeat containing 55 [Source:HGNC Symbol;Acc:HGN	chr11:5694	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	219527	32324
LRRC56	1.89926	2.21762	2.40816	0.865245	1.02664	1.97666	leucine rich repeat containing 56 [Source:HGNC Symbol;Acc:HGN	chr11:5375	NM_19807	XM_01151	.	.	NP_93234	XP_005252	protein_co	ENSG0000	115399	25430
LRRC57	10.2866	10.479	10.4922	8.42778	9.76988	12.412	leucine rich repeat containing 57 [Source:HGNC Symbol;Acc:HGN	chr15:4283	NM_15326	.	.	.	NP_69499	XP_011519	protein_co	ENSG0000	255252	26719
LRRC58	16.2526	17.2357	13.1196	14.2461	19.3385	16.4964	leucine rich repeat containing 58 [Source:HGNC Symbol;Acc:HGN	chr3:12004	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	116064	26968
LRRC59	166.236	160.716	140.014	186.686	184.212	130.297	leucine rich repeat containing 59 [Source:HGNC Symbol;Acc:HGN	chr17:4845	NM_0185	.	.	.	NP_06097	.	protein_co	ENSG0000	55379	28817
LRRC6	1.91244	2.05879	2.41555	1.78596	1.78835	1.81891	leucine rich repeat containing 6 [Source:HGNC Symbol;Acc:HGNC	chr8:13358	NM_01247	XM_01151	.	.	NP_00130	XP_006716	protein_co	ENSG0000	23639	16725
LRRC61	8.05293	7.87013	5.79515	12.7277	9.91897	6.92431	leucine rich repeat containing 61 [Source:HGNC Symbol;Acc:HGN	chr7:15002	NM_00114	XM_01151	.	.	NP_00113	XP_006716	protein_co	ENSG0000	65999	21704
LRRC63	0	0	0	0	0	0	leucine rich repeat containing 63 [Source:HGNC Symbol;Acc:HGN	chr13:4678	NM_00128	XM_01153	.	.	NP_00126	XP_016875	protein_co	ENSG0000	220416	34296
LRRC66	0.155873	0.101654	0.153485	0.130609	0.24052	0.198602	leucine rich repeat containing 66 [Source:HGNC Symbol;Acc:HGN	chr4:52859	NM_00102	.	.	.	NP_00101	XP_011532	protein_co	ENSG0000	339977	34299
LRRC69	0.0743	0.615748	0.482375	0.309935	0.242809	0.17607	leucine rich repeat containing 69 [Source:HGNC Symbol;Acc:HGN	chr8:92114	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	100130742	34303
LRRC7	0.016994	0	0	0	0	0	leucine rich repeat containing 7 [Source:HGNC Symbol;Acc:HGNC	chr1:70034	NM_02079	XM_01154	.	.	NP_06584	XP_016857	protein_co	ENSG0000	57554	18531
LRRC70	0.194997	0	0.156427	0	0.386871	0.546995	leucine rich repeat containing 70 [Source:HGNC Symbol;Acc:HGN	chr5:61708	NM_18150	.	.	.	NP_85260	.	protein_co	ENSG0000	100130733	35155
LRRC71	0.074069	0	0.064296	0	0	0.040891	leucine rich repeat containing 71 [Source:HGNC Symbol;Acc:HGN	chr1:15689	NM_14470	XM_01150	.	.	NP_65330	XP_005244	protein_co	ENSG0000	149499	26556
LRRC72	0	0	0	0	0	0	leucine rich repeat containing 72 [Source:HGNC Symbol;Acc:HGN	chr7:16501	NM_00119	XM_01151	.	.	NP_00118	XP_011513	protein_co	ENSG0000	100506049	42972
LRRC73	0.669911	0.597586	0.569001	0.379645	0.785469	0.523763	leucine rich repeat containing 73 [Source:HGNC Symbol;Acc:HGN	chr6:43474	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	221424	21375
LRRC74A	0	0	0	0	0	0	leucine rich repeat containing 74A [Source:HGNC Symbol;Acc:HG	chr14:7729	NM_19428	XM_01153	.	.	NP_91926	XP_011534	protein_co	ENSG0000	145497	23346
LRRC74B	0	0	0	0	0	0	leucine rich repeat containing 74B [Source:HGNC Symbol;Acc:HG	chr22:2140	NM_00129	.	NR_11099	.	NP_00127	.	protein_co	ENSG0000	400891	34301
LRRC75A	1.25927	0.872541	1.11518	0.766301	0.750416	0.93213	leucine rich repeat containing 75A [Source:HGNC Symbol;Acc:HG	chr17:1634	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	388341	32403
LRRC75B	2.16847	2.60737	2.84926	1.60286	1.60777	2.45154	leucine rich repeat containing 75B [Source:HGNC Symbol;Acc:HG	chr22:2497	NM_20764	.	.	.	NP_99752	.	protein_co	ENSG0000	388886	33155
LRRC8A	13.4715	12.7837	11.6148	13.363	12.506	12.2889	leucine rich repeat containing 8 family member A [Source:HGNC	chr9:13164	NM_00112	XM_01151	.	.	NP_00112	XP_005252	protein_co	ENSG0000	56262	19027
LRRC8B	8.3772	9.72799	8.64648	8.97425	10.0802	11.2158	leucine rich repeat containing 8 family member B [Source:HGNC	chr1:89990	NM_00113	XM_01154	.	.	NP_00112	XP_005270	protein_co	ENSG0000	23507	30692

LRRC8C	5.28077	5.64268	4.91794	5.33896	6.11236	5.10206	leucine rich repeat containing 8 family member C [Source:HGNC S	chr1:90098	NM_03227	XM_01700	.	.	NP_11564	XP_006711	protein_co	ENSG0000	84230	25075
LRRC8D	7.61188	7.92536	6.88347	6.75781	7.1714	9.12635	leucine rich repeat containing 8 family member D [Source:HGNC S	chr1:90286	NM_00113	XM_01154	.	.	NP_00112	XP_011539	protein_co	ENSG0000	55144	16992
LRRC8E	8.15303	6.8043	7.56688	8.58352	8.71283	7.43626	leucine rich repeat containing 8 family member E [Source:HGNC S	chr19:7953	NM_00126	XM_01152	.	.	NP_00125	XP_011526	protein_co	ENSG0000	80131	26272
LRRC9	0	0	0	0	0	0	leucine rich repeat containing 9 [Source:HGNC Symbol;Acc:HGNC	chr14:6038	.	.	.	.	.	.	protein_co	ENSG0000	.	19848
LRRCC1	4.06852	3.54851	3.68671	4.72692	7.41018	8.06386	leucine rich repeat and coiled-coil centrosomal protein 1 [Source:	chr8:86019	NM_03340	XM_00525	.	.	NP_20832	XP_005251	protein_co	ENSG0000	85444	29373
LRRD1	0	0.076379	0.034054	0	0.034822	0	leucine rich repeats and death domain containing 1 [Source:HGN	chr7:91770	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	401387	34300
LRRFIP1	27.6313	29.1766	24.2682	28.4634	29.4288	28.8645	LRR binding FLII interacting protein 1 [Source:HGNC Symbol;Acc:H	chr2:23853	NM_00113	XM_01151	.	.	NP_00113	XP_016860	protein_co	ENSG0000	9208	6702
LRRFIP2	12.3986	12.2179	10.2182	11.1364	10.1194	10.0533	LRR binding FLII interacting protein 2 [Source:HGNC Symbol;Acc:H	chr3:37094	NM_00113	XM_01153	.	.	NP_00112	XP_005265	protein_co	ENSG0000	9209	6703
LRRIQ1	0.128313	0.140025	0.215814	0.094912	0.217075	0.232602	leucine rich repeats and IQ motif containing 1 [Source:HGNC Sym	chr12:8543	NM_00107	XM_01702	.	.	NP_00107	XP_011537	protein_co	ENSG0000	84125	25708
LRRIQ3	1.03096	1.41445	0.835612	0.791421	0.998542	0.701302	leucine rich repeats and IQ motif containing 3 [Source:HGNC Sym	chr1:74491	NM_00110	XM_01154	.	.	NP_00109	XP_011538	protein_co	ENSG0000	127255	28318
LRRIQ4	0	0	0	0	0	0	leucine rich repeats and IQ motif containing 4 [Source:HGNC Sym	chr3:16953	NM_00108	XM_01151	.	.	NP_00107	XP_005247	protein_co	ENSG0000	344657	34298
LRRK1	3.5745	3.93776	3.84251	3.87997	3.59717	2.68478	leucine rich repeat kinase 1 [Source:HGNC Symbol;Acc:HGNC:186	chr15:1014	NM_02465	XM_01152	.	.	NP_07892	XP_011520	protein_co	ENSG0000	79705	18608
LRRK2	0.01672	0.009022	0	0	0.018386	0.016117	leucine rich repeat kinase 2 [Source:HGNC Symbol;Acc:HGNC:186	chr12:4061	NM_19857	XM_01153	.	.	NP_94098	XP_005268	protein_co	ENSG0000	120892	18618
LRRN1	0	0	0	0	0	0	leucine rich repeat neuronal 1 [Source:HGNC Symbol;Acc:HGNC:2	chr3:38411	NM_02087	XM_01153	.	.	NP_00131	XP_011532	protein_co	ENSG0000	57633	20980
LRRN2	2.36697	2.37918	2.94589	2.50375	2.58821	2.5771	leucine rich repeat neuronal 2 [Source:HGNC Symbol;Acc:HGNC:1	chr1:20458	NM_00633	XM_01150	.	.	NP_00632	XP_005244	protein_co	ENSG0000	10446	16914
LRRN3	0	0	0	0	0	0	leucine rich repeat neuronal 3 [Source:HGNC Symbol;Acc:HGNC:1	chr7:11030	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	54674	17200
LRRN4	0.21977	0.248062	0.218738	0.232989	0.171846	0.165726	leucine rich repeat neuronal 4 [Source:HGNC Symbol;Acc:HGNC:1	chr20:6021	NM_15261	.	.	.	NP_68982	.	protein_co	ENSG0000	164312	16208
LRRN4CL	0.260905	0.261649	0.128368	0.447509	0.340943	0.158823	LRRN4 C-terminal like [Source:HGNC Symbol;Acc:HGNC:33724]	chr11:6245	NM_20342	.	.	.	NP_98196	.	protein_co	ENSG0000	221091	33724
LRRTM1	0	0	0	0	0	0	leucine rich repeat transmembrane neuronal 1 [Source:HGNC Syr	chr2:79412	NM_17883	XM_01700	.	.	NP_84916	XP_016859	protein_co	ENSG0000	347730	19408
LRRTM2	0	0	0	0	0	0	leucine rich repeat transmembrane neuronal 2 [Source:HGNC Syr	chr5:13808	NM_01556	XM_01154	.	.	NP_05637	.	protein_co	ENSG0000	26045	19409
LRRTM3	0	0	0	0	0	0	leucine rich repeat transmembrane neuronal 3 [Source:HGNC Syr	chr10:6767	NM_17801	.	.	.	NP_82107	.	protein_co	ENSG0000	347731	19410
LRRTM4	0	0	0.021243	0	0	0	leucine rich repeat transmembrane neuronal 4 [Source:HGNC Syr	chr2:76974	NM_00113	XM_01153	.	.	NP_00112	XP_011531	protein_co	ENSG0000	80059	19411
LRSAM1	8.48479	8.78914	8.89413	7.14345	6.74835	6.99116	leucine rich repeat and sterile alpha motif containing 1 [Source:H	chr9:13021	NM_00100	XM_01701	.	.	NP_00100	XP_006717	protein_co	ENSG0000	90678	25135
LRTM1	0	0	0	0	0	0	leucine rich repeats and transmembrane domains 1 [Source:HGN	chr3:54156	NM_00130	XM_01153	.	.	NP_00129	XP_011532	protein_co	ENSG0000	57408	25023
LRTM2	0.092255	0.052644	0	0.028516	0	0.029676	leucine rich repeats and transmembrane domains 2 [Source:HGN	chr12:1901	NM_00103	XM_01152	.	.	NP_00103	XP_006719	protein_co	ENSG0000	654429	32443
LRTOMT	4.96319	7.72992	4.05546	3.99565	5.34744	5.88177	leucine rich transmembrane and O-methyltransferase domain co	chr11:7170	NM_00114	XM_01154	.	.	NP_00113	XP_006718	protein_co	ENSG0000	220074	25033
LRWD1	22.2929	24.2393	22.3291	26.7792	23.1245	22.9977	leucine rich repeats and WD repeat domain containing 1 [Source:	chr7:10210	NM_00131	XM_00525	NR_03967	.	NP_00130	.	protein_co	ENSG0000	100847073	21769
LSAMP	0	0	0	0	0	0.00846	limbic system-associated membrane protein [Source:HGNC Symb	chr3:11552	NM_00233	XM_00524	.	.	NP_00130	XP_016861	protein_co	ENSG0000	4045	6705
LSG1	23.7901	25.9452	24.1974	27.3822	24.9506	17.8855	large 60S subunit nuclear export GTPase 1 [Source:HGNC Symbol	chr3:19436	NM_01838	.	.	.	NP_06085	.	protein_co	ENSG0000	55341	25652
LSM1	44.395	42.3123	33.5535	50.0096	45.5149	35.152	LSM1 homolog, mRNA degradation associated [Source:HGNC Syn	chr8:38020	NM_01446	.	.	.	NP_05527	.	protein_co	ENSG0000	27257	20472
LSM10	52.0966	45.2106	41.2448	61.8374	44.8253	40.7194	LSM10, U7 small nuclear RNA associated [Source:HGNC Symbol;A	chr1:36859	NM_03288	.	.	.	NP_11627	.	protein_co	ENSG0000	84967	17562
LSM11	3.2923	3.16231	4.78722	2.61441	3.41816	3.80349	LSM11, U7 small nuclear RNA associated [Source:HGNC Symbol;A	chr5:15717	NM_17349	.	.	.	NP_77576	.	protein_co	ENSG0000	134353	30860
LSM12	18.3692	18.7788	16.4802	20.5722	20.2271	16.3443	LSM12 homolog [Source:HGNC Symbol;Acc:HGNC:26407]	chr17:4211	NM_15234	.	.	.	NP_68955	.	protein_co	ENSG0000	124801	26407
LSM14A	41.5258	44.8142	37.3634	40.5362	43.4333	45.9437	LSM14A, mRNA processing body assembly factor [Source:HGNC S	chr19:3466	NM_00111	XM_00525	.	.	NP_00110	XP_005258	protein_co	ENSG0000	26065	24489
LSM14B	31.1833	30.4518	30.1047	28.9626	29.0418	28.8419	LSM family member 14B [Source:HGNC Symbol;Acc:HGNC:15887	chr20:6069	NM_14470	XM_01152	.	.	NP_65330	XP_005260	protein_co	ENSG0000	149986	15887
LSM2	79.6167	77.0176	68.5966	97.3688	78.1673	71.2816	LSM2 homolog, U6 small nuclear RNA and mRNA degradation ass	chr6:31765	NM_02117	.	.	.	NP_06700	.	protein_co	ENSG0000	57819	13940
LSM3	17.177	15.6889	14.4084	20.7176	17.5634	16.3229	LSM3 homolog, U6 small nuclear RNA and mRNA degradation ass	chr3:14186	NM_01446	.	.	.	NP_05527	.	protein_co	ENSG0000	27258	17874
LSM4	313.478	293.06	271.068	353.337	300.51	306.055	LSM4 homolog, U6 small nuclear RNA and mRNA degradation ass	chr19:1841	NM_00125	.	.	.	NP_00123	.	protein_co	ENSG0000	25804	17259
LSM5	63.9626	57.2159	63.6065	69.5638	89.024	75.8119	LSM5 homolog, U6 small nuclear RNA and mRNA degradation ass	chr7:32524	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	23658	17162
LSM6	57.0094	54.3022	48.7266	76.9395	69.8901	57.8946	LSM6 homolog, U6 small nuclear RNA and mRNA degradation ass	chr4:14709	NM_00708	XM_01700	.	.	NP_00901	XP_016863	protein_co	ENSG0000	11157	17017
LSM7	126.996	121.243	105.921	140.033	104.68	81.9528	LSM7 homolog, U6 small nuclear RNA and mRNA degradation ass	chr19:2321	NM_01619	.	.	.	NP_05728	.	protein_co	ENSG0000	51690	20470
LSM8	32.4465	30.037	29.6518	38.5995	36.4008	32.9056	LSM8 homolog, U6 small nuclear RNA associated [Source:HGNC S	chr7:11782	NM_01620	.	.	.	NP_05728	.	protein_co	ENSG0000	51691	20471
LSMEM1	1.197	0.626639	0.697945	0.428671	0.883723	1.14891	leucine rich single-pass membrane protein 1 [Source:HGNC Symb	chr7:11212	NM_00113	XM_01151	.	.	NP_00112	XP_006715	protein_co	ENSG0000	286006	22036
LSMEM2	0	0	0.045901	0	0	0.056805	leucine rich single-pass membrane protein 2 [Source:HGNC Symb	chr3:50316	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	132228	26781
LSP1	0.206331	0.080857	0.143867	0.395866	0.096297	0.137058	lymphocyte-specific protein 1 [Source:HGNC Symbol;Acc:HGNC:6	chr11:1874	NM_00101	.	NR_10700	.	NP_00101	.	protein_co	ENSG0000	102465993	6707
LSR	119.176	121.225	118.852	142.131	123.635	121.74	lipolysis stimulated lipoprotein receptor [Source:HGNC Symbol;A	chr19:3573	NM_00126	XM_01152	.	.	NP_00124	XP_005259	protein_co	ENSG0000	51599	29572
LSS	17.4405	17.6944	26.5326	18.8236	16.6602	18.3927	lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase) [Sourc	chr21:4760	NM_00100	XM_01152	.	.	NP_00100	XP_011527	protein_co	ENSG0000	4047	6708
LST1	1.01309	0.45243	0.29766	0	0	0.910319	leukocyte specific transcript 1 [Source:HGNC Symbol;Acc:HGNC:1	chr6:31553	NM_00116	XM_01151	.	.	NP_00116	XP_006715	protein_co	ENSG0000	7940	14189
LTA	0.055107	0.167995	0	0.346454	0.125202	0.058809	lymphotoxin alpha [Source:HGNC Symbol;Acc:HGNC:6709]	chr6:31539	NM_00059	XM_01151	.	.	NP_00115	XP_011512	protein_co	ENSG0000	4049	6709
LTA4H	78.2169	76.2168	100.463	83.9474	81.559	96.9639	leukotriene A4 hydrolase [Source:HGNC Symbol;Acc:HGNC:6710]	chr12:9639	NM_00089	XM_01153	.	.	NP_00088	XP_005268	protein_co	ENSG0000	4048	6710
LTB	0.828464	0.791761	0.770507	0.134909	0	0.143586	lymphotoxin beta [Source:HGNC Symbol;Acc:HGNC:6711]	chr6:31548	NM_00234	.	.	.	NP_00233	.	protein_co	ENSG0000	4050	6711
LTB4R	9.21434	7.47253	8.58122	8.69206	7.83602	6.07401	leukotriene B4 receptor [Source:HGNC Symbol;Acc:HGNC:6713]	chr14:2476	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	1241	6713
LTB4R2	6.69737	5.41774	5.44025	4.56913	5.51206	4.97582	leukotriene B4 receptor 2 [Source:HGNC Symbol;Acc:HGNC:1926	chr14:2476	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	56413	19260
LTBP1	1.77349	1.8471	2.53708	1.84065	1.5856	2.52684	latent transforming growth factor beta binding protein 1 [Source:	chr2:33172	NM_00062	XM_01153	.	.	NP_00061	XP_005264	protein_co	ENSG0000	4052	6714
LTBP2	0.791937	0.865148	1.08885	0.805826	0.775695	0.845623	latent transforming growth factor beta binding protein 2 [Source:	chr14:7496	NM_00042	XM_01153	.	.	NP_00041	XP_011535	protein_co	ENSG0000	4053	6715
LTBP3	29.4199	31.9865	45.3429	29.8184	19.4015	23.7074	latent transforming growth factor beta binding protein 3 [Source:	chr11:6530	NM_00113	XM_01154	.	.	NP_00112	XP_011543	protein_co	ENSG0000	4054	6716
LTBP4	31.5531	32.7468	39.3425	34.4157	31.4018	31.9878	latent transforming growth factor beta binding protein 4 [Source:	chr19:4109	NM_00104	XM_01152	.	.	NP_00103	XP_011525	protein_co	ENSG0000	8425	6717
LTBR	52.9415	55.4486	49.7253	55.4376	49.271	41.1166	lymphotoxin beta receptor [Source:HGNC Symbol;Acc:HGNC:671	chr12:6456	NM_00127	XM_00671	.	.	NP_00125	XP_005253	protein_co	ENSG0000	4055	6718
LTC4S	0.294901	0.563029	1.09924	0	0.694894	0.667821	leukotriene C4 synthase [Source:HGNC Symbol;Acc:HGNC:6719]	chr5:17922	NM_14586	.	.	.	NP_66587	.	protein_co	ENSG0000	4056	6719

LTF	0	0	0	0	0	0	lactotransferrin [Source:HGNC Symbol;Acc:HGNC:6720]	chr3:46477	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	4057	6720
LTK	4.05318	3.58363	7.01117	3.10975	2.73384	3.36675	leukocyte receptor tyrosine kinase [Source:HGNC Symbol;Acc:HG	chr15:4179	NM_00113	XM_01152	.	.	NP_00112	XP_01151	protein_co	ENSG0000	4058	6721
LTN1	3.47634	3.34505	3.54966	2.10564	3.26622	3.16195	listerin E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;Acc:H	chr21:3030	NM_01556	XM_01152	.	.	NP_00130	.	protein_co	ENSG0000	26046	13082
LTV1	40.5944	36.9592	34.8818	43.7546	47.48	37.394	LTV1 ribosome biogenesis factor [Source:HGNC Symbol;Acc:HGN	chr6:14416	NM_03286	.	.	.	NP_11624	.	protein_co	ENSG0000	84946	21173
LUC7L	18.3514	16.9735	16.0564	22.0989	22.8113	17.8484	LUC7 like [Source:HGNC Symbol;Acc:HGNC:6723]	chr16:2389	NM_00132	XM_01152	.	.	NP_00130	XP_00525	protein_co	ENSG0000	55692	6723
LUC7L2	36.2299	35.5054	36.3539	35.3684	43.8627	41.5382	LUC7 like 2, pre-mRNA splicing factor [Source:HGNC Symbol;Acc:	chr7:13902	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	51631	21608
LUC7L3	121.774	118.712	110.72	95.992	93.1627	76.8129	LUC7 like 3 pre-mRNA splicing factor [Source:HGNC Symbol;Acc:H	chr17:4879	NM_00610	XM_00525	.	.	NP_00609	XP_00525	protein_co	ENSG0000	51747	24309
LUM	0	0	0	0	0	0	lumican [Source:HGNC Symbol;Acc:HGNC:6724]	chr12:9149	NM_00234	.	.	.	NP_00233	.	protein_co	ENSG0000	4060	6724
LURAP1	0.043414	0	0.07504	0.046866	0	0	leucine rich adaptor protein 1 [Source:HGNC Symbol;Acc:HGNC:3	chr1:46654	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	541468	32327
LURAP1L	2.29798	2.33822	0.597579	0.823114	1.21844	2.62002	leucine rich adaptor protein 1 like [Source:HGNC Symbol;Acc:HGN	chr9:12775	NM_20340	.	.	.	NP_98194	.	protein_co	ENSG0000	286343	31452
LUZP1	10.2884	11.5832	11.4542	12.855	14.1067	12.299	leucine zipper protein 1 [Source:HGNC Symbol;Acc:HGNC:14985]	chr1:23410	NM_00114	XM_01700	.	.	NP_00113	XP_01154	protein_co	ENSG0000	7798	14985
LUZP2	0	0	0	0	0	0	leucine zipper protein 2 [Source:HGNC Symbol;Acc:HGNC:23206]	chr11:2451	NM_00100	XM_01152	.	.	NP_00100	.	protein_co	ENSG0000	338645	23206
LUZP4	0	0	0	0	0.040206	0	leucine zipper protein 4 [Source:HGNC Symbol;Acc:HGNC:24971]	chrX:11452	NM_00131	XM_00526	.	.	NP_00130	.	protein_co	ENSG0000	51213	24971
LUZP6	1.69E-05	3.92E-14	6.26E-06	0	6.54E-08	5.16E-05	leucine zipper protein 6 [Source:HGNC Symbol;Acc:HGNC:33955]	chr7:13561	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	767558	33955
LVRN	0.237536	0.163529	0.352912	0.03871	0.131498	0.230763	laeverin [Source:HGNC Symbol;Acc:HGNC:26904]	chr5:11529	NM_17380	XM_01154	.	.	NP_77616	XP_01154	protein_co	ENSG0000	206338	26904
LXN	0	0	0	0	0	0	latexin [Source:HGNC Symbol;Acc:HGNC:13347]	chr3:15836	NM_02016	.	.	.	NP_06455	.	protein_co	ENSG0000	56925	13347
LY6D	0.359691	0	0.414303	0.382119	0.279089	0.668199	lymphocyte antigen 6 complex, locus D [Source:HGNC Symbol;Ac	chr8:14386	NM_00369	.	.	.	NP_00368	.	protein_co	ENSG0000	8581	13348
LY6E	241.65	240.826	214.73	280.787	217.414	203.44	lymphocyte antigen 6 complex, locus E [Source:HGNC Symbol;Ac	chr8:14409	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	4061	6727
LY6G5B	3.53214	5.32807	5.90575	3.61232	3.9182	4.23054	lymphocyte antigen 6 complex, locus G5B [Source:HGNC Symbol;	chr6:31629	NM_02122	.	.	.	NP_06704	.	protein_co	ENSG0000	58496	13931
LY6G5C	1.80078	1.39938	0.785873	2.82422	1.34351	1.23595	lymphocyte antigen 6 complex, locus G5C [Source:HGNC Symbol;	chr6:31644	NM_02526	.	.	.	NP_07953	.	protein_co	ENSG0000	80741	13932
LY6G6C	0	0.115106	0.191431	0.122424	0.126671	0.121179	lymphocyte antigen 6 complex, locus G6C [Source:HGNC Symbol;	chr6:31686	NM_02526	.	.	.	NP_07953	.	protein_co	ENSG0000	80740	13936
LY6G6D	0.278438	0	0	0	0	0.300109	lymphocyte antigen 6 complex, locus G6D [Source:HGNC Symbol;	chr6:31654	NM_02124	.	.	.	NP_06706	.	protein_co	ENSG0000	58530	13935
LY6G6E	0	0	0	0	0	0	lymphocyte antigen 6 complex, locus G6E [Source:HGNC Symbol;	chr6:31654	.	.	.	.	.	.	protein_co	ENSG0000	.	13934
LY6G6F	0	0	0	0	0.104954	0	lymphocyte antigen 6 complex, locus G6F [Source:HGNC Symbol;	chr6:31654	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	259215	13933
LY6H	0	0	0	0	0	0	lymphocyte antigen 6 complex, locus H [Source:HGNC Symbol;Ac	chr8:14423	NM_00113	.	.	.	NP_00112	XP_01686	protein_co	ENSG0000	4062	6728
LY6K	0.447935	0.334709	0.228012	1.42043	1.63833	0.833322	lymphocyte antigen 6 complex, locus K [Source:HGNC Symbol;Ac	chr8:14378	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	54742	24225
LY6L	0	0	0	0	0	0	lymphocyte antigen 6 complex, locus L [Source:HGNC Symbol;Ac	chr8:14416	.	XM_01151	.	.	.	XP_00525	protein_co	ENSG0000	10192810	52284
LY75	0	0	0	0	0	0	lymphocyte antigen 75 [Source:HGNC Symbol;Acc:HGNC:6729]	chr2:16056	NM_00234	.	.	.	NP_00234	.	protein_co	ENSG0000	4065	6729
LY75-CD302	0	0	0	0	0	0	LY75-CD302 readthrough [Source:HGNC Symbol;Acc:HGNC:3882	chr2:16056	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	10052666	38828
LY86	0	0	0	0	0	0	lymphocyte antigen 86 [Source:HGNC Symbol;Acc:HGNC:16837]	chr6:65883	NM_00427	.	.	.	NP_00426	.	protein_co	ENSG0000	9450	16837
LY9	0	0	0	0	0	0	lymphocyte antigen 9 [Source:HGNC Symbol;Acc:HGNC:6730]	chr1:16076	NM_00103	XM_01150	.	.	NP_00102	XP_01150	protein_co	ENSG0000	4063	6730
LY96	0	0	0	0.473655	0.464501	0.543135	lymphocyte antigen 96 [Source:HGNC Symbol;Acc:HGNC:17156]	chr8:74903	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	23643	17156
LYAR	34.481	33.5999	29.1193	39.9581	36.923	29.9269	Ly1 antibody reactive [Source:HGNC Symbol;Acc:HGNC:26021]	chr4:42694	NM_00114	XM_01151	.	.	NP_00113	XP_01151	protein_co	ENSG0000	55646	26021
LYG1	3.18548	3.58475	4.64306	1.82231	2.62776	2.1613	lysozyme g1 [Source:HGNC Symbol;Acc:HGNC:27014]	chr2:99900	NM_17489	XM_01151	.	.	NP_77755	XP_00526	protein_co	ENSG0000	129530	27014
LYG2	0.109682	0.140408	0.179531	0.229644	0	0	lysozyme g2 [Source:HGNC Symbol;Acc:HGNC:29615]	chr2:99858	NM_17573	XM_01151	.	.	NP_78386	XP_01150	protein_co	ENSG0000	254773	29615
LYL1	0.404666	0.255384	0.867771	0	0	0	LYL1, basic helix-loop-helix family member [Source:HGNC Symbol	chr19:1320	NM_00558	XM_01152	.	.	NP_00557	XP_01152	protein_co	ENSG0000	4066	6734
LYN	14.5906	16.4	16.1673	15.7762	16.1791	14.8412	LYN proto-oncogene, Src family tyrosine kinase [Source:HGNC Sy	chr8:56792	NM_00111	XM_01151	.	.	NP_00110	XP_01151	protein_co	ENSG0000	4067	6735
LYNX1	1.53357	1.07722	1.54885	0.795541	0.931549	1.57225	Ly6/neurotoxin 1 [Source:HGNC Symbol;Acc:HGNC:29604]	chr8:14384	NM_02394	XM_01151	.	.	NP_07643	XP_01151	protein_co	ENSG0000	66004	29604
LYPD1	0.048115	0	0	0.104349	0	0	LY6/PLAUR domain containing 1 [Source:HGNC Symbol;Acc:HGN	chr2:13317	NM_00107	XM_00526	.	.	NP_00107	XP_00526	protein_co	ENSG0000	116372	28431
LYPD2	0	0	0	0	0.215906	0	LY6/PLAUR domain containing 2 [Source:HGNC Symbol;Acc:HGN	chr8:14383	NM_20554	.	.	.	NP_99110	.	protein_co	ENSG0000	137797	25215
LYPD3	5.41354	5.22921	5.45523	6.63677	4.98388	4.34559	LY6/PLAUR domain containing 3 [Source:HGNC Symbol;Acc:HGN	chr19:4396	NM_01440	.	.	.	NP_05521	.	protein_co	ENSG0000	27076	24880
LYPD4	0	0	0	0	0	0	LY6/PLAUR domain containing 4 [Source:HGNC Symbol;Acc:HGN	chr19:4234	NM_00129	XM_01152	.	.	NP_00127	XP_00525	protein_co	ENSG0000	147719	28659
LYPD5	1.84615	1.887	2.76364	2.0386	2.47414	1.28573	LY6/PLAUR domain containing 5 [Source:HGNC Symbol;Acc:HGN	chr19:4430	NM_00103	XM_01152	.	.	NP_00102	XP_01152	protein_co	ENSG0000	284348	26397
LYPD6	3.08503	3.10903	2.8991	2.71866	3.67748	4.14674	LY6/PLAUR domain containing 6 [Source:HGNC Symbol;Acc:HGN	chr2:15018	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	130574	28751
LYPD6B	6.21114	5.31831	5.18553	7.669	5.19797	8.59906	LY6/PLAUR domain containing 6B [Source:HGNC Symbol;Acc:HGN	chr2:14989	NM_00131	XM_01151	.	.	NP_00130	XP_00524	protein_co	ENSG0000	130576	27018
LYPD8	0	0	0	0	0	0	LY6/PLAUR domain containing 8 [Source:HGNC Symbol;Acc:HGN	chr1:24890	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	646627	44208
LYPLA1	36.345	37.4909	41.1334	37.8602	39.3394	42.6569	lysophospholipase I [Source:HGNC Symbol;Acc:HGNC:6737]	chr8:54958	NM_00127	XM_00525	.	.	NP_00126	XP_00525	protein_co	ENSG0000	10434	6737
LYPLA2	87.9798	85.3932	83.433	91.5789	80.0196	52.7097	lysophospholipase II [Source:HGNC Symbol;Acc:HGNC:6738]	chr1:24117	NM_00726	XM_00524	.	.	NP_00919	XP_00524	protein_co	ENSG0000	11313	6738
LYPLAL1	10.9475	8.48215	10.9007	9.32319	15.8447	15.6631	lysophospholipase like 1 [Source:HGNC Symbol;Acc:HGNC:20440]	chr1:21934	NM_00130	XM_01150	.	.	NP_00128	XP_00671	protein_co	ENSG0000	127018	20440
LYRM1	26.3266	22.5761	41.5007	16.5658	15.3075	24.6321	LYR motif containing 1 [Source:HGNC Symbol;Acc:HGNC:25074]	chr16:2077	NM_00112	XM_01702	.	.	NP_00112	XP_00525	protein_co	ENSG0000	57149	25074
LYRM2	12.0679	13.3438	13.2898	13.583	17.9279	15.8389	LYR motif containing 2 [Source:HGNC Symbol;Acc:HGNC:25229]	chr6:90142	NM_02046	.	.	.	NP_06519	.	protein_co	ENSG0000	57226	25229
LYRM4	14.5988	14.1206	12.4549	15.9029	11.0751	14.0836	LYR motif containing 4 [Source:HGNC Symbol;Acc:HGNC:21365]	chr6:51028	NM_00116	XM_00524	.	.	NP_00115	XP_00524	protein_co	ENSG0000	57128	21365
LYRM5	3.51103	4.03576	4.51157	2.59274	2.36796	4.20208	LYR motif containing 5 [Source:HGNC Symbol;Acc:HGNC:27052]	chr12:2534	NM_00100	XM_00525	.	.	NP_00100	XP_00525	protein_co	ENSG0000	144363	27052
LYRM7	5.64276	5.58136	5.06408	6.18855	6.19561	4.33569	LYR motif containing 7 [Source:HGNC Symbol;Acc:HGNC:28072]	chr5:13050	NM_00129	.	.	.	NP_00128	.	protein_co	ENSG0000	90624	28072
LYRM9	3.39574	2.14232	3.25596	1.65638	1.50559	2.74505	LYR motif containing 9 [Source:HGNC Symbol;Acc:HGNC:27314]	chr17:2608	NM_00107	.	.	.	NP_00107	XP_01687	protein_co	ENSG0000	201229	27314
LYSMD1	2.99944	3.60619	3.16392	3.0655	2.53479	2.76415	LysM domain containing 1 [Source:HGNC Symbol;Acc:HGNC:3207	chr1:15112	NM_00113	.	.	.	NP_00113	.	protein_co	ENSG0000	388695	32070
LYSMD2	9.20059	9.60259	9.25513	9.74054	9.95374	9.73544	LysM domain containing 2 [Source:HGNC Symbol;Acc:HGNC:2857	chr15:5201	NM_00114	.	.	.	NP_00113	XP_01687	protein_co	ENSG0000	256586	28571
LYSMD3	10.7479	9.50692	9.27236	6.94655	10.9008	11.2172	LysM domain containing 3 [Source:HGNC Symbol;Acc:HGNC:2696	chr5:89811	NM_00128	XM_00524	.	.	NP_00127	XP_00524	protein_co	ENSG0000	116068	26969
LYSMD4	0.077022	0.160627	0.066687	0.086123	0.086665	0.312908	LysM domain containing 4 [Source:HGNC Symbol;Acc:HGNC:2657	chr15:1001	NM_00128	XM_01152	.	.	NP_00127	XP_00672	protein_co	ENSG0000	145748	26571

LYST	0.905509	0.978606	0.970029	0.65039	0.914714	1.1331	lysosomal trafficking regulator [Source:HGNC Symbol;Acc:HGNC:1	chr1:23582	NM_00008	XM_01154	.	.	NP_00007	XP_011542	protein_co	ENSG0000(	1130	1968
LYVE1	0.079833	0.026434	0.021625	0.084477	0	0.080158	lymphatic vessel endothelial hyaluronan receptor 1 [Source:HGN	chr11:1057	NM_00669	.	.	.	NP_00668	.	protein_co	ENSG0000(	10894	14687
LYZ	0.17574	0.062283	0.050769	0.132801	0.195755	0.05792	lysozyme [Source:HGNC Symbol;Acc:HGNC:6740]	chr12:6974	NM_00023	.	.	.	NP_00023	.	protein_co	ENSG0000(	4069	6740
LYZL1	0	0	0	0	0	0	lysozyme like 1 [Source:HGNC Symbol;Acc:HGNC:30502]	chr10:2957	NM_03251	.	.	.	NP_11590	.	protein_co	ENSG0000(	84569	30502
LYZL2	0	0	0	0	0	0	lysozyme like 2 [Source:HGNC Symbol;Acc:HGNC:29613]	chr10:3090	NM_18305	.	.	.	NP_89888	.	protein_co	ENSG0000(	119180	29613
LYZL4	0.187617	0	0	0	0	0	lysozyme like 4 [Source:HGNC Symbol;Acc:HGNC:28387]	chr3:42438	NM_00130	.	.	.	NP_00129	XP_016861	protein_co	ENSG0000(	131375	28387
LYZL6	0	0	0	0	0	0	lysozyme like 6 [Source:HGNC Symbol;Acc:HGNC:29614]	chr17:3426	NM_00119	XM_00525	.	.	NP_00118	XP_005258	protein_co	ENSG0000(	57151	29614
LZIC	17.2889	19.9071	17.8799	23.3609	21.1464	19.6642	leucine zipper and CTNNBIP1 domain containing [Source:HGNC S	chr1:99889	NM_03236	XM_00526	.	.	NP_00130	XP_005263	protein_co	ENSG0000(	84328	17497
LZTFL1	6.78762	6.47164	5.78698	4.36805	5.7402	5.95755	leucine zipper transcription factor like 1 [Source:HGNC Symbol;A	chr3:45864	NM_00127	XM_01153	.	.	NP_00126	XP_006713	protein_co	ENSG0000(	54585	6741
LZTR1	12.8961	13.0599	13.0943	11.2575	10.4943	8.35756	leucine zipper like transcription regulator 1 [Source:HGNC Symbo	chr22:2133	NM_00676	.	.	.	NP_00675	.	protein_co	ENSG0000(	8216	6742
LZTS1	2.52752	2.45447	2.12628	3.03897	3.18295	2.409	leucine zipper tumor suppressor 1 [Source:HGNC Symbol;Acc:HG	chr8:20103	NM_02102	XM_01154	.	.	NP_06630	XP_005273	protein_co	ENSG0000(	11178	13861
LZTS2	49.2813	48.5362	50.8839	49.5474	45.8129	40.1392	leucine zipper tumor suppressor 2 [Source:HGNC Symbol;Acc:HG	chr10:1027	NM_00131	XM_01701	.	.	NP_00130	XP_005270	protein_co	ENSG0000(	84445	29381
M1AP	11.6488	12.4742	11.9289	9.67441	10.3651	9.79515	meiosis 1 associated protein [Source:HGNC Symbol;Acc:HGNC:25	chr2:74785	NM_00128	XM_01153	.	.	NP_00126	XP_006712	protein_co	ENSG0000(	130951	25183
M6PR	48.3881	48.2754	43.7879	54.0766	52.5341	45.1357	mannose-6-phosphate receptor, cation dependent [Source:HGNC	chr12:9067	NM_00120	XM_01152	.	.	NP_00119	XP_005253	protein_co	ENSG0000(	4074	6752
MAATS1	0.236975	0.124777	0.194818	0.320387	0.302862	0.278559	MYCBP associated and testis expressed 1 [Source:HGNC Symbol;A	chr3:11942	NM_00132	XM_01151	.	.	NP_00130	XP_011511	protein_co	ENSG0000(	89876	24010
MAB21L1	0	0	0	0	0	0	mab-21 like 1 [Source:HGNC Symbol;Acc:HGNC:6757]	chr13:3551	NM_00558	.	.	.	NP_00557	.	protein_co	ENSG0000(	4081	6757
MAB21L2	0	0	0	0	0	0	mab-21 like 2 [Source:HGNC Symbol;Acc:HGNC:6758]	chr4:15118	NM_00643	.	.	.	NP_00643	.	protein_co	ENSG0000(	10586	6758
MAB21L3	0.044424	0.046017	0.115527	0	0.025108	0.0685	mab-21 like 3 [Source:HGNC Symbol;Acc:HGNC:26787]	chr1:11665	NM_15236	XM_01154	.	.	NP_68958	XP_011538	protein_co	ENSG0000(	126868	26787
MACC1	2.13412	2.75309	3.34307	1.41679	2.46964	1.37605	MACC1, MET transcriptional regulator [Source:HGNC Symbol;Acc	chr7:20174	NM_18276	.	.	.	NP_87743	.	protein_co	ENSG0000(	346389	30215
MACF1	12.7323	14.2964	17.6535	13.6219	16.3237	21.1681	microtubule-actin crosslinking factor 1 [Source:HGNC Symbol;Acc	chr1:39546	NM_01209	XM_01700	.	.	NP_03622	XP_005270	protein_co	ENSG0000(	643314	13664
MACROD1	16.6168	15.5712	23.2388	10.7977	5.3443	10.9673	MACRO domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29	chr11:6374	NM_01406	XM_00527	.	.	NP_05478	XP_005273	protein_co	ENSG0000(	28992	29598
MACROD2	0.029269	0.030988	0.038379	0.033188	0.020201	0.014498	MACRO domain containing 2 [Source:HGNC Symbol;Acc:HGNC:16	chr20:1397	NM_00103	XM_01702	.	.	NP_00102	XP_016883	protein_co	ENSG0000(	140733	16126
MAD1L1	8.28348	8.83856	7.47624	9.11989	7.94519	7.75444	MAD1 mitotic arrest deficient like 1 [Source:HGNC Symbol;Acc:H	chr7:18554	NM_00101	XM_01151	.	.	NP_00101	XP_005249	protein_co	ENSG0000(	8379	6762
MAD2L1	25.728	25.4303	23.2989	36.3018	38.5024	33.4815	MAD2 mitotic arrest deficient-like 1 (yeast) [Source:HGNC Symbo	chr4:12097	NM_00235	.	.	.	NP_00234	.	protein_co	ENSG0000(	4085	6763
MAD2L1BP	40.454	38.9595	34.8418	54.6142	43.2353	38.1162	MAD2L1 binding protein [Source:HGNC Symbol;Acc:HGNC:21059	chr6:43597	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000(	9587	21059
MAD2L2	61.7545	57.9099	59.6783	70.038	56.8186	63.8273	MAD2 mitotic arrest deficient-like 2 (yeast) [Source:HGNC Symbo	chr1:11734	NM_00112	XM_01154	.	.	NP_00112	XP_011538	protein_co	ENSG0000(	10459	6764
MADCAM1	0.116416	0.112515	0.099717	0.122981	0	0.066006	mucosal vascular addressin cell adhesion molecule 1 [Source:HGN	chr19:4891	NM_13076	.	.	.	NP_57011	.	protein_co	ENSG0000(	8174	6765
MADD	9.51273	10.6208	11.1268	9.46155	9.11888	9.22637	MAP kinase activating death domain [Source:HGNC Symbol;Acc:H	chr11:4729	NM_00113	XM_01701	.	.	NP_00112	XP_005253	protein_co	ENSG0000(	8567	6766
MAEA	54.2486	56.1882	53.3569	67.7399	62.9673	54.7354	macrophage erythroblast attacher [Source:HGNC Symbol;Acc:HG	chr4:12836	NM_00101	XM_01700	.	.	NP_00101	XP_006713	protein_co	ENSG0000(	10296	13731
MAEL	0	0	0	0	0	0	maelstrom spermatogenic transposon silencer [Source:HGNC Syn	chr1:16694	NM_00128	XM_01700	.	.	NP_00127	XP_006711	protein_co	ENSG0000(	84944	25929
MAF	0	0	0	0	0	0	MAF bZIP transcription factor [Source:HGNC Symbol;Acc:HGNC:6	chr16:7961	NM_00103	XM_01152	.	.	NP_00102	XP_011521	protein_co	ENSG0000(	4094	6776
MAF1	81.759	80.7775	71.4262	73.9994	60.4247	72.5444	MAF1 homolog, negative regulator of RNA polymerase III [Source	chr8:14515	NM_03227	.	.	.	NP_11564	XP_016869	protein_co	ENSG0000(	84232	24966
MAFA	1.719	1.41771	1.85458	1.83491	1.40129	2.39556	MAF bZIP transcription factor A [Source:HGNC Symbol;Acc:HGNC	chr8:14451	NM_20158	.	.	.	NP_96388	.	protein_co	ENSG0000(	389692	23145
MAFB	0.123669	0.153485	0.185438	0.168369	0.284686	0.365938	MAF bZIP transcription factor B [Source:HGNC Symbol;Acc:HGNC	chr20:3931	NM_00546	.	.	.	NP_00545	.	protein_co	ENSG0000(	9935	6408
MAFF	14.9088	13.9674	11.8965	6.33006	5.95572	7.74242	MAF bZIP transcription factor F [Source:HGNC Symbol;Acc:HGNC	chr22:3859	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000(	23764	6780
MAFG	31.9649	34.5082	26.6404	29.6473	27.8481	31.2394	MAF bZIP transcription factor G [Source:HGNC Symbol;Acc:HGNC	chr17:7987	NM_00235	XM_01152	.	.	NP_00235	XP_011521	protein_co	ENSG0000(	4097	6781
MAFK	20.6006	22.6893	18.7341	20.1916	20.1287	16.5822	MAF bZIP transcription factor K [Source:HGNC Symbol;Acc:HGNC	chr7:15703	NM_00236	XM_00671	.	.	NP_00235	XP_005249	protein_co	ENSG0000(	7975	6782
MAG	0	0	0	0.036903	0	0.039584	myelin associated glycoprotein [Source:HGNC Symbol;Acc:HGNC:	chr19:3578	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000(	4099	6783
MAGEA1	0	0	0	0	0	0	MAGE family member A1 [Source:HGNC Symbol;Acc:HGNC:6796]	chrX:15248	NM_00498	.	.	.	NP_00497	.	protein_co	ENSG0000(	4100	6796
MAGEA10	0	0	0	0	0	0	MAGE family member A10 [Source:HGNC Symbol;Acc:HGNC:6797	chrX:15130	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000(	4109	6797
MAGEA11	0	0	0	0	0	0	MAGE family member A11 [Source:HGNC Symbol;Acc:HGNC:6798	chrX:14877	NM_00101	XM_01153	.	.	NP_00101	XP_011529	protein_co	ENSG0000(	4110	6798
MAGEA12	0	0.046323	0	0.093075	0.051382	0	MAGE family member A12 [Source:HGNC Symbol;Acc:HGNC:6799	chrX:15189	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000(	4111	6799
MAGEA2	4.70365	5.22022	5.04153	6.95174	5.43776	3.65715	MAGE family member A2 [Source:HGNC Symbol;Acc:HGNC:6800]	chrX:15191	NM_00128	XM_01702	.	.	NP_00126	XP_011529	protein_co	ENSG0000(	266740	6800
MAGEA2B	0.132046	0.179418	0.093401	0.095915	0.163476	0.046333	MAGE family member A2B [Source:HGNC Symbol;Acc:HGNC:1934	chrX:15188	NM_15348	XM_01153	.	.	NP_70569	XP_005277	protein_co	ENSG0000(	266740	19340
MAGEA3	62.0349	60.1312	50.8913	76.3179	72.6717	50.7881	MAGE family member A3 [Source:HGNC Symbol;Acc:HGNC:6801]	chrX:15193	NM_00536	XM_01153	.	.	NP_00535	XP_005274	protein_co	ENSG0000(	4102	6801
MAGEA4	0.045232	0	0	0	0	0	MAGE family member A4 [Source:HGNC Symbol;Acc:HGNC:6802]	chrX:15108	NM_00101	XM_00527	.	.	NP_00101	XP_005274	protein_co	ENSG0000(	4103	6802
MAGEA6	0.130392	0.088352	0.113433	0	0	0.091764	MAGE family member A6 [Source:HGNC Symbol;Acc:HGNC:6804]	chrX:15186	NM_00536	XM_01153	.	.	NP_00535	XP_011529	protein_co	ENSG0000(	4105	6804
MAGEA8	0	0	0	0	0	0	MAGE family member A8 [Source:HGNC Symbol;Acc:HGNC:6806]	chrX:14900	NM_00116	.	.	.	NP_00115	XP_016885	protein_co	ENSG0000(	4107	6806
MAGEA9	0	0	0	0	0	0	MAGE family member A9 [Source:HGNC Symbol;Acc:HGNC:6807]	chrX:14886	NM_00536	XM_00526	.	.	NP_00535	XP_005262	protein_co	ENSG0000(	4108	6807
MAGEA9B	0	0	0	0	0	0	MAGE family member A9 [Source:HGNC Symbol;Acc:HGNC:6807]	chrX:14866	NM_00108	XM_00526	.	.	NP_00535	XP_005262	protein_co	ENSG0000(	4108	6807
MAGEB1	0.836853	1.02273	1.00727	0	0	0	MAGE family member B1 [Source:HGNC Symbol;Acc:HGNC:6808]	chrX:30260	NM_00236	.	.	.	NP_00235	.	protein_co	ENSG0000(	4112	6808
MAGEB10	0.035456	0	0	0	0	0	MAGE family member B10 [Source:HGNC Symbol;Acc:HGNC:2537	chrX:27826	NM_18250	XM_01154	.	.	NP_87231	XP_011543	protein_co	ENSG0000(	139422	25377
MAGEB16	0	0	0	0	0	0	MAGE family member B16 [Source:HGNC Symbol;Acc:HGNC:2118	chrX:35816	NM_00109	XM_01154	.	.	NP_00109	XP_011543	protein_co	ENSG0000(	139604	21188
MAGEB17	0	0.153792	0	0	0.0614	0	MAGE family member B17 [Source:HGNC Symbol;Acc:HGNC:1741	chrX:16185	NM_00127	XM_01154	.	.	NP_00126	XP_011543	protein_co	ENSG0000(	645864	17418
MAGEB18	0	0	0	0	0	0	MAGE family member B18 [Source:HGNC Symbol;Acc:HGNC:2851	chrX:26156	NM_17369	.	.	.	NP_77597	.	protein_co	ENSG0000(	286514	28515
MAGEB2	135.974	139.975	129.545	154.263	142.778	128.385	MAGE family member B2 [Source:HGNC Symbol;Acc:HGNC:6809]	chrX:30233	NM_00236	XM_01154	.	.	NP_00235	XP_011543	protein_co	ENSG0000(	4113	6809
MAGEB3	0.174246	0.091337	0.053265	0.067714	0.07851	0.061042	MAGE family member B3 [Source:HGNC Symbol;Acc:HGNC:6810]	chrX:30248	NM_00236	XM_01154	.	.	NP_00235	XP_011543	protein_co	ENSG0000(	4114	6810
MAGEB4	0	0	0	0	0	0	MAGE family member B4 [Source:HGNC Symbol;Acc:HGNC:6811]	chrX:30260	NM_00236	.	.	.	NP_00235	.	protein_co	ENSG0000(	4115	6811
MAGEB5	0	0	0	0	0	0	MAGE family member B5 [Source:HGNC Symbol;Acc:HGNC:23795	chrX:26234	NM_00127	XM_01154	.	.	NP_00125	XP_011543	protein_co	ENSG0000(	347541	23795

MAGEB6	0	0.041239	0.069016	0	0	0	MAGE family member B6 [Source:HGNC Symbol;Acc:HGNC:23796	chrX:26210	NM_17352	.	.	.	NP_775794	.	protein_co	ENSG0000	158809	23796
MAGEB6P1	0	0	0	0	0	0	MAGE family member B6 pseudogene 1 [Source:HGNC Symbol;Ac	chrX:26178	.	.	.	.	.	.	protein_co	ENSG0000	.	28824
MAGEC1	0.066277	0.042771	0.124687	0	0	0	MAGE family member C1 [Source:HGNC Symbol;Acc:HGNC:6812]	chrX:14099	NM_00546	XM_01153	.	.	NP_00545	XP_011529	protein_co	ENSG0000	9947	6812
MAGEC2	0.757451	1.15024	0.763592	0	0	0	MAGE family member C2 [Source:HGNC Symbol;Acc:HGNC:13574	chrX:14129	NM_01624	.	.	.	NP_05733	.	protein_co	ENSG0000	51438	13574
MAGEC3	0	0	0	0	0	0	MAGE family member C3 [Source:HGNC Symbol;Acc:HGNC:23798	chrX:14092	NM_13870	XM_01153	.	.	NP_61964	XP_011529	protein_co	ENSG0000	139081	23798
MAGED1	40.057	41.914	38.5395	34.5396	32.2721	37.4921	MAGE family member D1 [Source:HGNC Symbol;Acc:HGNC:6813]	chrX:51546	NM_00100	XM_01702	.	.	NP_00100	XP_011529	protein_co	ENSG0000	9500	6813
MAGED2	28.4311	26.1983	28.5989	20.9693	19.1415	19.6854	MAGE family member D2 [Source:HGNC Symbol;Acc:HGNC:1635	chrX:54834	NM_01459	.	.	.	NP_05541	.	protein_co	ENSG0000	10916	16353
MAGED4	0	0	0	0	0	0	MAGE family member D4 [Source:HGNC Symbol;Acc:HGNC:2379	chrX:51927	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	728239	23793
MAGED4B	0	0	0	0	0	0	MAGE family member D4B [Source:HGNC Symbol;Acc:HGNC:228	chrX:51804	NM_00124	XM_01702	.	.	NP_00122	XP_006724	protein_co	ENSG0000	81557	22880
MAGEE1	1.9168	1.90154	1.71791	2.39805	2.33159	1.85769	MAGE family member E1 [Source:HGNC Symbol;Acc:HGNC:24934	chrX:75648	NM_02093	.	.	.	NP_06598	.	protein_co	ENSG0000	57692	24934
MAGEE2	0	0	0	0	0	0	MAGE family member E2 [Source:HGNC Symbol;Acc:HGNC:24935	chrX:75002	NM_13870	.	.	.	NP_61964	.	protein_co	ENSG0000	139599	24935
MAGEF1	49.181	50.4861	43.6301	67.4698	63.3877	53.8934	MAGE family member F1 [Source:HGNC Symbol;Acc:HGNC:29639	chr3:18442	NM_02214	.	.	.	NP_07143	.	protein_co	ENSG0000	64110	29639
MAGEH1	0	0	0	0	0	0	MAGE family member H1 [Source:HGNC Symbol;Acc:HGNC:2409	chrX:55478	NM_01406	.	.	.	NP_05478	.	protein_co	ENSG0000	28986	24092
MAGEL2	0	0	0	0	0	0	MAGE family member L2 [Source:HGNC Symbol;Acc:HGNC:6814]	chr15:2388	NM_01906	.	.	.	NP_06193	.	protein_co	ENSG0000	54551	6814
MAGI1	6.14897	6.59855	9.37247	6.62807	7.65496	10.0708	membrane associated guanylate kinase, WW and PDZ domain co	chr3:65339	NM_00103	XM_01700	.	.	NP_00102	XP_005265	protein_co	ENSG0000	9223	946
MAGI2	0.084455	0.062276	0.083851	0.026751	0.040977	0.062298	membrane associated guanylate kinase, WW and PDZ domain co	chr7:77646	NM_00130	XM_01151	.	.	NP_00128	XP_011515	protein_co	ENSG0000	9863	18957
MAGI3	2.56946	3.19027	2.28441	2.29891	2.91981	2.89416	membrane associated guanylate kinase, WW and PDZ domain co	chr1:11393	NM_00114	XM_01154	.	.	NP_00113	XP_005270	protein_co	ENSG0000	260425	29647
MAGIX	0.944766	0.879555	0.895688	0.50702	0.269601	0.200178	MAGI family member, X-linked [Source:HGNC Symbol;Acc:HGNC:	chrX:49020	NM_00109	XM_01154	.	.	NP_00109	XP_005278	protein_co	ENSG0000	79917	30006
MAGOH	68.1061	66.5866	55.0879	75.3997	65.94	64.4189	mago homolog, exon junction complex core component [Source:	chr1:53692	NM_00237	.	.	.	NP_00236	.	protein_co	ENSG0000	4116	6815
MAGOHB	28.4639	30.3001	17.3933	30.9795	34.4024	21.5572	mago homolog B, exon junction complex core component [Sourc	chr12:1075	NM_00130	XM_01152	.	.	NP_00128	XP_005253	protein_co	ENSG0000	55110	25504
MAGT1	37.6897	35.9897	22.0424	33.4285	37.1362	33.2254	magnesium transporter 1 [Source:HGNC Symbol;Acc:HGNC:2888	chrX:77081	NM_03212	.	.	.	NP_11549	.	protein_co	ENSG0000	84061	28880
MAJIN	0	0	0	0	0	0	membrane anchored junction protein [Source:HGNC Symbol;Acc:	chr11:6470	NM_00103	XM_00671	.	.	NP_00103	XP_006718	protein_co	ENSG0000	283129	27441
MAK	0.086723	0.115591	0.131735	0.0977	0.133889	0.064166	male germ cell associated kinase [Source:HGNC Symbol;Acc:HGN	chr6:10762	NM_00124	XM_01701	.	.	NP_00122	XP_011512	protein_co	ENSG0000	4117	6816
MAK16	20.4147	20.928	18.9603	23.0815	24.034	25.7447	MAK16 homolog [Source:HGNC Symbol;Acc:HGNC:13703]	chr8:33342	NM_03250	.	.	.	NP_11589	.	protein_co	ENSG0000	84549	13703
MAL	0	0	0	0	0	0	mal, T-cell differentiation protein [Source:HGNC Symbol;Acc:HGN	chr2:95691	NM_00237	.	.	.	NP_00236	.	protein_co	ENSG0000	4118	6817
MAL2	104.374	95.4458	84.9327	119.997	145.22	171.785	mal, T-cell differentiation protein 2 (gene/pseudogene) [Source:H	chr8:12017	NM_05288	.	.	.	NP_44311	.	protein_co	ENSG0000	114569	13634
MALL	19.2187	19.7108	17.4422	21.9338	22.1319	20.0586	mal, T-cell differentiation protein like [Source:HGNC Symbol;Acc:	chr2:11084	NM_00543	.	.	.	NP_00542	.	protein_co	ENSG0000	7851	6818
MALRD1	0	0	0	0	0	0	MAM and LDL receptor class A domain containing 1 [Source:HGN	chr10:1933	NM_00114	XM_01701	.	.	NP_00113	XP_011517	protein_co	ENSG0000	340895	24331
MALSU1	18.5876	16.7947	19.2048	19.5297	17.4922	18.6458	mitochondrial assembly of ribosomal large subunit 1 [Source:HGN	chr7:23338	NM_13844	.	.	.	NP_61245	.	protein_co	ENSG0000	115416	21721
MALT1	13.7367	12.699	25.4385	12.7143	16.0722	26.963	MALT1 paracaspase [Source:HGNC Symbol;Acc:HGNC:6819]	chr18:5633	NM_00678	.	.	.	NP_00677	.	protein_co	ENSG0000	10892	6819
MAMDC2	1.90488	2.16278	1.63227	4.90713	4.78805	3.16271	MAM domain containing 2 [Source:HGNC Symbol;Acc:HGNC:236	chr9:72658	NM_15326	.	.	.	NP_69499	.	protein_co	ENSG0000	256691	23673
MAMDC4	1.93059	1.62399	1.85622	1.53373	1.54487	1.56017	MAM domain containing 4 [Source:HGNC Symbol;Acc:HGNC:240	chr9:13974	NM_20692	.	.	.	NP_99680	.	protein_co	ENSG0000	158056	24083
MAML1	15.6877	17.5678	13.9293	18.1319	17.6977	14.8514	mastermind like transcriptional coactivator 1 [Source:HGNC Sym	chr5:17915	NM_01475	.	.	.	NP_05557	.	protein_co	ENSG0000	9794	13632
MAML2	0.894056	1.20407	1.11284	0.980026	0.995006	0.944415	mastermind like transcriptional coactivator 2 [Source:HGNC Sym	chr11:9570	NM_03242	XM_01154	.	.	NP_11580	XP_011541	protein_co	ENSG0000	84441	16259
MAML3	0.67742	0.803503	0.985495	0.39897	0.430244	0.663092	mastermind like transcriptional coactivator 3 [Source:HGNC Sym	chr4:14058	NM_01871	.	.	.	NP_06118	.	protein_co	ENSG0000	55534	16272
MAMLD1	2.61012	2.66281	2.93873	1.97874	2.43384	2.82368	mastermind like domain containing 1 [Source:HGNC Symbol;Acc:	chrX:14953	NM_00117	XM_01702	.	.	NP_00117	XP_006724	protein_co	ENSG0000	10046	2568
MAMSTR	0.828152	1.14842	0.798037	0.67796	0.636718	0.3783	MEF2 activating motif and SAP domain containing transcriptional	chr19:4921	NM_00113	XM_01152	.	.	NP_00112	XP_011525	protein_co	ENSG0000	284358	26689
MAN1A1	26.0764	29.8142	28.6527	26.6506	29.0267	33.4585	mannosidase alpha class 1A member 1 [Source:HGNC Symbol;Acc	chr6:11949	NM_00590	XM_01153	.	.	NP_00589	XP_005267	protein_co	ENSG0000	4121	6821
MAN1A2	9.811	10.8311	10.8043	8.89783	10.2449	11.7752	mannosidase alpha class 1A member 2 [Source:HGNC Symbol;Acc	chr1:11791	NM_00669	XM_01154	.	.	NP_00669	XP_006710	protein_co	ENSG0000	10905	6822
MAN1B1	26.8978	27.9154	26.7333	21.8823	18.3853	19.6131	mannosidase alpha class 1B member 1 [Source:HGNC Symbol;Acc	chr9:13998	NM_01621	XM_00671	.	.	NP_05730	XP_006717	protein_co	ENSG0000	11253	6823
MAN1C1	0.664031	0.869437	0.709595	0.561315	0.941174	0.852523	mannosidase alpha class 1C member 1 [Source:HGNC Symbol;Acc	chr1:25943	NM_00128	XM_00524	.	.	NP_00127	XP_016857	protein_co	ENSG0000	57134	19080
MAN2A1	8.62517	7.73282	11.1131	5.96749	7.49954	10.8401	mannosidase alpha class 2A member 1 [Source:HGNC Symbol;Acc	chr5:10902	NM_00237	XM_01154	.	.	NP_00236	XP_016864	protein_co	ENSG0000	4124	6824
MAN2A2	7.97551	8.11113	9.43292	7.20276	7.22055	6.33132	mannosidase alpha class 2A member 2 [Source:HGNC Symbol;Acc	chr15:9144	NM_00612	XM_01152	.	.	NP_00611	XP_005254	protein_co	ENSG0000	4122	6825
MAN2B1	16.1116	17.6309	18.9841	15.7366	13.5065	15.0892	mannosidase alpha class 2B member 1 [Source:HGNC Symbol;Acc	chr19:1275	NM_00052	XM_00525	.	.	NP_00051	XP_005259	protein_co	ENSG0000	4125	6826
MAN2B2	6.32602	6.79234	7.09165	6.52213	7.21406	6.76229	mannosidase alpha class 2B member 2 [Source:HGNC Symbol;Acc	chr4:65769	NM_00129	XM_01151	.	.	NP_00127	.	protein_co	ENSG0000	23324	29623
MAN2C1	9.4367	8.55096	10.2965	7.88183	6.99103	6.76404	mannosidase alpha class 2C member 1 [Source:HGNC Symbol;Acc	chr15:7563	NM_00125	XM_01152	NR_03036	.	NP_00124	XP_005254	protein_co	ENSG0000	693216	6827
MANBA	7.16061	7.09788	10.3963	7.43553	8.73963	9.14367	mannosidase beta [Source:HGNC Symbol;Acc:HGNC:6831]	chr4:10355	NM_00590	.	.	.	NP_00589	.	protein_co	ENSG0000	4126	6831
MANBAL	49.7125	45.1313	41.5365	55.6126	48.9518	46.0595	mannosidase beta like [Source:HGNC Symbol;Acc:HGNC:15799]	chr20:3591	NM_00100	.	.	.	NP_00100	XP_016883	protein_co	ENSG0000	63905	15799
MANEA	5.07059	5.66564	4.62792	5.10414	6.22515	7.08773	mannosidase endo-alpha [Source:HGNC Symbol;Acc:HGNC:21072	chr6:96025	NM_02464	XM_00526	.	.	NP_07891	XP_005267	protein_co	ENSG0000	79694	21072
MANEAL	20.5877	20.1475	14.3337	17.6887	15.6637	9.0604	mannosidase endo-alpha like [Source:HGNC Symbol;Acc:HGNC:2	chr1:38259	NM_00103	XM_01154	.	.	NP_00102	XP_011539	protein_co	ENSG0000	149175	26452
MANF	136.078	127.018	67.8551	160.97	132.664	112.124	mesencephalic astrocyte derived neurotrophic factor [Source:HG	chr3:51422	NM_00601	.	.	.	NP_00600	.	protein_co	ENSG0000	7873	15461
MANSC1	0.057854	0	0	0	0.129093	0	MANSC domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25	chr12:1247	NM_01805	.	.	.	NP_06052	XP_016875	protein_co	ENSG0000	54682	25505
MANSC4	0	0	0	0.091338	0	0	MANSC domain containing 4 [Source:HGNC Symbol;Acc:HGNC:40	chr12:2791	NM_00114	XM_01152	.	.	NP_00113	XP_011518	protein_co	ENSG0000	100287284	40023
MAOA	4.41127	4.61217	5.64466	4.06949	3.83402	4.78618	monoamine oxidase A [Source:HGNC Symbol;Acc:HGNC:6833]	chrX:43514	NM_00024	.	.	.	NP_00023	.	protein_co	ENSG0000	4128	6833
MAOB	11.8588	12.4368	20.7602	24.4443	25.6099	25.0995	monoamine oxidase B [Source:HGNC Symbol;Acc:HGNC:6834]	chrX:43625	NM_00089	XM_01702	.	.	NP_00088	XP_005272	protein_co	ENSG0000	4129	6834
MAP10	0	0	0	0	0	0	microtubule associated protein 10 [Source:HGNC Symbol;Acc:HG	chr1:23294	NM_01909	.	.	.	NP_06196	.	protein_co	ENSG0000	54627	29265
MAP1A	1.03548	0.897956	0.769484	1.04278	1.07743	0.459715	microtubule associated protein 1A [Source:HGNC Symbol;Acc:HG	chr15:4380	NM_00237	XM_01702	.	.	NP_00236	XP_016877	protein_co	ENSG0000	4130	6835
MAP1B	2.40874	2.60266	2.44082	2.32448	2.84849	6.66016	microtubule associated protein 1B [Source:HGNC Symbol;Acc:HG	chr5:71403	NM_00132	.	.	.	NP_00131	.	protein_co	ENSG0000	4131	6836
MAP1LC3A	0	0.093116	0	0.305449	0	0.086266	microtubule associated protein 1 light chain 3 alpha [Source:HGN	chr20:3313	NM_03251	.	.	.	NP_11590	.	protein_co	ENSG0000	84557	6838

MAP1LC3B	68.9946	66.7127	55.6692	47.1811	51.1672	110.701	microtubule associated protein 1 light chain 3 beta [Source:HGN	chr16:8742	NM_02281	.	.	.	NP_07372	.	protein_co	ENSG0000	81631	13352
MAP1LC3B2	10.9755	11.5524	7.44929	7.46993	6.98448	16.0607	microtubule associated protein 1 light chain 3 beta 2 [Source:HG	chr12:1169	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	643246	34390
MAP1LC3C	0.071106	0	0.061562	0.077653	0	0.150474	microtubule associated protein 1 light chain 3 gamma [Source:HG	chr1:24215	NM_00100	XM_00527	.	.	NP_00100	XP_00527	protein_co	ENSG0000	440738	13353
MAP1S	14.9486	16.4411	14.0263	17.3573	15.9635	16.3276	microtubule associated protein 1S [Source:HGNC Symbol;Acc:HG	chr19:1783	NM_00130	XM_01702	.	.	NP_00129	XP_01152	protein_co	ENSG0000	55201	15715
MAP2	3.45662	3.46387	3.30017	3.86457	4.59762	6.28514	microtubule associated protein 2 [Source:HGNC Symbol;Acc:HGN	chr2:21028	NM_00103	XM_01700	.	.	NP_00103	XP_01150	protein_co	ENSG0000	4133	6839
MAP2K1	34.4687	34.7269	33.6825	36.982	37.4332	33.0302	mitogen-activated protein kinase kinase 1 [Source:HGNC Symbol;	chr15:6667	NM_00275	XM_01152	.	.	NP_00274	XP_01152	protein_co	ENSG0000	5604	6840
MAP2K2	63.7463	61.7741	63.3937	82.232	65.6688	60.9944	mitogen-activated protein kinase kinase 2 [Source:HGNC Symbol;	chr19:4090	NM_03066	.	.	.	NP_10958	.	protein_co	ENSG0000	5605	6842
MAP2K3	42.0369	43.0427	37.6553	50.0222	43.358	40.2725	mitogen-activated protein kinase kinase 3 [Source:HGNC Symbol;	chr17:2118	NM_00131	XM_01152	.	.	NP_00130	XP_00525	protein_co	ENSG0000	5606	6843
MAP2K4	19.5719	19.428	18.1843	22.0558	23.219	21.0714	mitogen-activated protein kinase kinase 4 [Source:HGNC Symbol;	chr17:1192	NM_00128	XM_00525	.	.	NP_00126	XP_00525	protein_co	ENSG0000	6416	6844
MAP2K5	3.23584	4.4831	4.07425	3.10266	3.33007	3.82668	mitogen-activated protein kinase kinase 5 [Source:HGNC Symbol;	chr15:6783	NM_00120	XM_01152	.	.	NP_00119	.	protein_co	ENSG0000	5607	6845
MAP2K6	0.185034	0.242716	0.120739	0.556925	0.356209	0.716132	mitogen-activated protein kinase kinase 6 [Source:HGNC Symbol;	chr17:6741	NM_00275	XM_01152	.	.	NP_00274	XP_00525	protein_co	ENSG0000	5608	6846
MAP2K7	20.1963	21.4425	21.5456	20.134	19.2673	19.2701	mitogen-activated protein kinase kinase 7 [Source:HGNC Symbol;	chr19:7968	NM_00129	XM_00672	.	.	NP_00128	XP_00672	protein_co	ENSG0000	5609	6847
MAP3K1	3.40922	3.52459	4.62977	2.7481	3.10884	4.59991	mitogen-activated protein kinase kinase kinase 1 [Source:HGNC S	chr5:56111	NM_00592	XM_01154	.	.	NP_00591	.	protein_co	ENSG0000	4214	6848
MAP3K10	5.16257	4.90575	4.18795	2.53872	2.47933	3.02697	mitogen-activated protein kinase kinase kinase 10 [Source:HGNC	chr19:4069	NM_00244	XM_01152	.	.	NP_00243	XP_01152	protein_co	ENSG0000	4294	6849
MAP3K11	20.8572	21.8353	22.1696	22.7014	20.4439	17.1534	mitogen-activated protein kinase kinase kinase 11 [Source:HGNC	chr11:6536	NM_00241	.	.	.	NP_00241	.	protein_co	ENSG0000	4296	6850
MAP3K12	7.68119	6.62628	8.23932	5.04949	4.4604	3.97076	mitogen-activated protein kinase kinase kinase 12 [Source:HGNC	chr12:5384	NM_00119	XM_01153	.	.	NP_00118	XP_00526	protein_co	ENSG0000	7786	6851
MAP3K13	15.3026	12.5362	11.5494	12.9011	17.969	16.9511	mitogen-activated protein kinase kinase kinase 13 [Source:HGNC	chr3:18500	NM_00124	XM_01700	.	.	NP_00122	XP_01151	protein_co	ENSG0000	9175	6852
MAP3K14	3.94549	5.19899	4.02381	3.59924	3.32807	3.0711	mitogen-activated protein kinase kinase kinase 14 [Source:HGNC	chr17:4334	NM_00395	XM_01152	.	.	NP_00394	XP_01152	protein_co	ENSG0000	9020	6853
MAP3K15	0.439208	0.466716	0.639351	0.523309	0.419143	0.641321	mitogen-activated protein kinase kinase kinase 15 [Source:HGNC	chrX:19362	NM_00100	XM_01154	.	.	NP_00100	XP_01154	protein_co	ENSG0000	389840	31689
MAP3K19	0.012858	0	0	0	0	0	mitogen-activated protein kinase kinase kinase 19 [Source:HGNC	chr2:13572	NM_00101	XM_01700	.	.	NP_00101	XP_00671	protein_co	ENSG0000	80122	26249
MAP3K2	6.33804	6.96449	6.99874	5.37292	6.35782	7.6402	mitogen-activated protein kinase kinase kinase 2 [Source:HGNC S	chr2:12805	NM_00660	.	.	.	NP_00660	.	protein_co	ENSG0000	10746	6854
MAP3K3	8.4677	8.53258	7.73856	8.01619	6.55832	7.37473	mitogen-activated protein kinase kinase kinase 3 [Source:HGNC S	chr17:6169	NM_00240	XM_00525	.	.	NP_00239	XP_00525	protein_co	ENSG0000	4215	6855
MAP3K4	8.96773	9.39796	7.62886	8.46436	8.45074	7.13919	mitogen-activated protein kinase kinase kinase 4 [Source:HGNC S	chr6:16141	NM_00129	XM_00526	.	.	NP_00127	XP_00526	protein_co	ENSG0000	4216	6856
MAP3K5	3.82778	4.05445	4.66239	4.2322	4.73397	5.13278	mitogen-activated protein kinase kinase kinase 5 [Source:HGNC S	chr6:13687	NM_00592	XM_01701	.	.	NP_00591	XP_01686	protein_co	ENSG0000	4217	6857
MAP3K6	6.44273	6.04337	6.42034	5.82882	5.46114	5.17728	mitogen-activated protein kinase kinase kinase 6 [Source:HGNC S	chr1:27681	NM_00129	XM_01154	.	.	NP_00128	.	protein_co	ENSG0000	9064	6858
MAP3K7	13.8995	15.6535	15.1372	15.1873	16.1415	14.9731	mitogen-activated protein kinase kinase kinase 7 [Source:HGNC S	chr6:91223	NM_00318	XM_01701	.	.	NP_00317	XP_00671	protein_co	ENSG0000	6885	6859
MAP3K7CL	0.04046	0.068206	0	0	0.114736	0	MAP3K7 C-terminal like [Source:HGNC Symbol;Acc:HGNC:16457]	chr21:3044	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	56911	16457
MAP3K8	4.26268	3.83283	4.10874	1.50939	1.8991	1.69012	mitogen-activated protein kinase kinase kinase 8 [Source:HGNC S	chr10:3072	NM_00124	XM_01151	.	.	NP_00123	XP_00525	protein_co	ENSG0000	1326	6860
MAP3K9	4.15484	4.40138	4.49165	3.91718	4.09643	4.31341	mitogen-activated protein kinase kinase kinase 9 [Source:HGNC S	chr14:7118	NM_00128	XM_01153	.	.	NP_00127	XP_00526	protein_co	ENSG0000	4293	6861
MAP4	56.124	61.6271	58.2007	59.4598	54.6191	61.8714	microtubule associated protein 4 [Source:HGNC Symbol;Acc:HGN	chr3:47892	NM_00113	XM_01153	.	.	NP_00112	XP_00526	protein_co	ENSG0000	4134	6862
MAP4K1	0.328904	0.347438	0.612323	0.673303	0.518774	0.747681	mitogen-activated protein kinase kinase kinase kinase 1 [Source:H	chr19:3907	NM_00104	XM_01152	.	.	NP_00103	XP_01152	protein_co	ENSG0000	11184	6863
MAP4K2	16.2425	14.6126	17.472	14.14	13.2525	13.3978	mitogen-activated protein kinase kinase kinase kinase 2 [Source:H	chr11:6455	NM_00130	XM_01154	.	.	NP_00129	XP_01154	protein_co	ENSG0000	5871	6864
MAP4K3	5.3462	4.92681	5.5849	4.81923	6.5807	6.5787	mitogen-activated protein kinase kinase kinase kinase 3 [Source:H	chr2:39476	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	8491	6865
MAP4K4	33.3977	37.4023	29.0448	37.3342	39.6024	32.5437	mitogen-activated protein kinase kinase kinase kinase 4 [Source:H	chr2:10231	NM_00124	XM_01700	.	.	NP_00122	XP_00526	protein_co	ENSG0000	9448	6866
MAP4K5	8.88991	8.68318	8.33823	2.90132	3.5645	4.47862	mitogen-activated protein kinase kinase kinase kinase 5 [Source:H	chr14:5088	NM_00657	XM_01153	.	.	NP_00656	XP_00672	protein_co	ENSG0000	11183	6867
MAP6	0.035858	0	0.077291	0	0	0	microtubule associated protein 6 [Source:HGNC Symbol;Acc:HGN	chr11:7529	NM_03306	XM_01154	.	.	NP_14905	XP_01154	protein_co	ENSG0000	4135	6868
MAP6D1	7.82699	6.57277	8.51663	10.6456	7.58349	7.13626	MAP6 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:257	chr3:18353	NM_02487	.	.	.	NP_07914	.	protein_co	ENSG0000	79929	25753
MAP7	11.1826	11.6319	14.6718	14.8503	13.9499	11.861	microtubule associated protein 7 [Source:HGNC Symbol;Acc:HGN	chr6:13666	NM_00119	XM_01153	.	.	NP_00118	XP_00671	protein_co	ENSG0000	9053	6869
MAP7D1	28.4278	31.3047	29.6935	36.3719	32.2657	28.6757	MAP7 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:255	chr1:36602	NM_00128	XM_01154	.	.	NP_00127	XP_00527	protein_co	ENSG0000	55700	25514
MAP7D2	0.176632	0.08584	0.154656	0.186831	0.109224	0.131842	MAP7 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:258	chrX:20024	NM_00116	XM_01154	.	.	NP_00116	XP_00527	protein_co	ENSG0000	256714	25899
MAP7D3	6.3338	6.26407	6.73602	6.26142	6.90644	6.5614	MAP7 domain containing 3 [Source:HGNC Symbol;Acc:HGNC:257	chrX:13529	NM_00117	XM_00526	.	.	NP_00116	XP_00526	protein_co	ENSG0000	79649	25742
MAP9	0.029359	0	0.01016	0.033929	0	0	microtubule associated protein 9 [Source:HGNC Symbol;Acc:HGN	chr4:15626	NM_00103	XM_01700	.	.	NP_00103	XP_00671	protein_co	ENSG0000	79884	26118
MAPK1	28.4529	30.7648	32.9032	33.1478	33.6054	36.0213	mitogen-activated protein kinase 1 [Source:HGNC Symbol;Acc:HG	chr22:2210	NM_00274	.	.	.	NP_00273	.	protein_co	ENSG0000	5594	6871
MAPK10	0.081776	0.113289	0.166012	0.078746	0	0.083238	mitogen-activated protein kinase 10 [Source:HGNC Symbol;Acc:H	chr4:86936	NM_00275	XM_01153	.	.	NP_00130	XP_00526	protein_co	ENSG0000	5602	6872
MAPK11	13.3488	12.7768	14.1628	7.7499	7.07804	6.16509	mitogen-activated protein kinase 11 [Source:HGNC Symbol;Acc:H	chr22:5070	NM_00275	XM_01153	.	.	NP_00274	XP_01152	protein_co	ENSG0000	5600	6873
MAPK12	36.3733	34.6986	41.1779	30.0104	27.9783	23.3578	mitogen-activated protein kinase 12 [Source:HGNC Symbol;Acc:H	chr22:5069	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	6300	6874
MAPK13	25.8419	25.6764	23.0029	28.91	25.7525	20.6987	mitogen-activated protein kinase 13 [Source:HGNC Symbol;Acc:H	chr6:36098	NM_00275	.	.	.	NP_00274	.	protein_co	ENSG0000	5603	6875
MAPK14	18.4583	19.9565	17.7904	19.5162	21.2557	20.896	mitogen-activated protein kinase 14 [Source:HGNC Symbol;Acc:H	chr6:35995	NM_00131	XM_01151	.	.	NP_00130	XP_00671	protein_co	ENSG0000	1432	6876
MAPK15	2.55899	3.34682	9.3471	2.79504	1.49777	3.12908	mitogen-activated protein kinase 15 [Source:HGNC Symbol;Acc:H	chr8:14479	NM_13902	XM_01151	.	.	NP_62059	XP_01151	protein_co	ENSG0000	225689	24667
MAPK1IP1L	35.6282	37.9499	34.3092	39.3377	39.3088	33.4802	mitogen-activated protein kinase 1 interacting protein 1 like [Sou	chr14:5551	NM_14457	.	.	.	NP_65317	XP_01153	protein_co	ENSG0000	93487	19840
MAPK3	29.1891	28.114	34.4919	32.3089	25.9954	29.2164	mitogen-activated protein kinase 3 [Source:HGNC Symbol;Acc:HG	chr16:3012	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	5595	6877
MAPK4	0.463771	0.535946	0.447645	0.54698	0.614452	0.926455	mitogen-activated protein kinase 4 [Source:HGNC Symbol;Acc:HG	chr18:4808	NM_00129	XM_01702	.	.	NP_00127	XP_00525	protein_co	ENSG0000	5596	6878
MAPK6	25.1432	25.5406	25.1444	25.2543	31.5263	34.8808	mitogen-activated protein kinase 6 [Source:HGNC Symbol;Acc:HG	chr15:5231	NM_00274	XM_01152	.	.	NP_00273	XP_00525	protein_co	ENSG0000	5597	6879
MAPK7	5.49181	5.11775	5.20712	4.86213	4.36241	4.22476	mitogen-activated protein kinase 7 [Source:HGNC Symbol;Acc:HG	chr17:1924	NM_00274	XM_01152	.	.	NP_00274	XP_00525	protein_co	ENSG0000	5598	6880
MAPK8	14.795	14.2313	15.5439	14.2557	18.4739	22.9592	mitogen-activated protein kinase 8 [Source:HGNC Symbol;Acc:HG	chr10:4951	NM_00127	XM_01153	.	.	NP_00126	XP_01153	protein_co	ENSG0000	5599	6881
MAPK8IP1	4.80289	4.08218	5.03335	5.4033	4.30588	4.69191	mitogen-activated protein kinase 8 interacting protein 1 [Source:	chr11:4590	NM_00545	XM_00525	.	.	NP_00544	XP_00525	protein_co	ENSG0000	9479	6882
MAPK8IP2	4.90248	4.46699	4.67363	3.78685	3.24288	2.22693	mitogen-activated protein kinase 8 interacting protein 2 [Source:	chr22:5103	NM_01232	XM_01153	.	.	NP_03645	XP_01152	protein_co	ENSG0000	23542	6883
MAPK8IP3	9.42549	8.9149	11.293	7.5084	7.86096	9.11946	mitogen-activated protein kinase 8 interacting protein 3 [Source:	chr16:1756	NM_00104	XM_01702	.	.	NP_00103	XP_00525	protein_co	ENSG0000	23162	6884
MAPK9	15.9729	14.6255	16.5824	13.7819	15.9095	17.4292	mitogen-activated protein kinase 9 [Source:HGNC Symbol;Acc:HG	chr5:17966	NM_00113	XM_01700	.	.	NP_00112	XP_00526	protein_co	ENSG0000	5601	6886

MAPKAP1	29.7383	29.5319	30.9079	31.4796	27.9144	28.145	mitogen-activated protein kinase associated protein 1 [Source:HG	chr9:12819	NM_00100	XM_01701	.	.		NP_00100	XP_011517	protein_co	ENSG0000	79109	18752
MAPKAPK2	26.9139	30.3225	26.8052	31.5321	28.1838	27.5028	mitogen-activated protein kinase-activated protein kinase 2 [Sou	chr1:20685	NM_00475	XM_00527	.	.		NP_00475	XP_005273	protein_co	ENSG0000	9261	6887
MAPKAPK3	45.3331	47.9586	42.7149	46.9783	39.8553	31.9594	mitogen-activated protein kinase-activated protein kinase 3 [Sou	chr3:50649	NM_00124	.	.	.		NP_00123	.	protein_co	ENSG0000	7867	6888
MAPKAPK5	20.5079	22.7882	16.4292	24.6129	18.3947	19.7778	mitogen-activated protein kinase-activated protein kinase 5 [Sou	chr12:1122	NM_00366	XM_01153	.	.		NP_00365	.	protein_co	ENSG0000	8550	6889
MAPKBP1	4.27548	5.12087	4.5684	4.29023	4.53657	3.51383	mitogen-activated protein kinase binding protein 1 [Source:HGN	chr15:4206	NM_00112	XM_01152	.	.		NP_00112	XP_00672	protein_co	ENSG0000	23005	29536
MAPRE1	77.7014	74.6101	76.4197	90.9137	100.273	97.0651	microtubule associated protein RP/EB family member 1 [Source:H	chr20:3140	NM_01232	XM_01152	.	.		NP_03645	XP_011526	protein_co	ENSG0000	22919	6890
MAPRE2	11.4956	11.9277	10.5367	12.3358	12.415	11.5103	microtubule associated protein RP/EB family member 2 [Source:H	chr18:3255	NM_00114	XM_01152	.	.		NP_00113	XP_011524	protein_co	ENSG0000	10982	6891
MAPRE3	5.92665	4.38499	7.11572	4.71333	4.83943	6.52804	microtubule associated protein RP/EB family member 3 [Source:H	chr2:27193	NM_00130	XM_01700	.	.		NP_00128	XP_006712	protein_co	ENSG0000	22924	6892
MAPT	8.98965	10.171	14.0564	9.20467	9.37823	9.14773	microtubule associated protein tau [Source:HGNC Symbol;Acc:HG	chr17:4397	NM_00112	XM_00525	.	.		NP_00111	XP_005257	protein_co	ENSG0000	4137	6893
MARC1	3.64444	3.2047	3.37708	2.87531	2.30922	1.96305	mitochondrial amidoxime reducing component 1 [Source:HGNC S	chr1:22096	NM_02274	XM_01150	.	.		NP_07358	XP_011508	protein_co	ENSG0000	64757	26189
MARC2	7.40582	8.53919	7.99444	6.76393	7.57727	7.21205	mitochondrial amidoxime reducing component 2 [Source:HGNC S	chr1:22092	NM_00131	XM_00527	.	.		NP_00130	XP_005273	protein_co	ENSG0000	54996	26064
MARCH1	0.067524	0	0	0.018208	0	0	membrane associated ring-CH-type finger 1 [Source:HGNC Symbo	chr4:16444	NM_00116	XM_01700	.	.		NP_00115	XP_011530	protein_co	ENSG0000	55016	26077
MARCH10	0.018033	0	0.035277	0	0.022517	0	membrane associated ring-CH-type finger 10 [Source:HGNC Symb	chr17:6077	NM_00110	XM_01152	.	.		NP_00109	XP_005257	protein_co	ENSG0000	162333	26655
MARCH11	0	0	0	0	0	0	membrane associated ring-CH-type finger 11 [Source:HGNC Symb	chr5:16067	NM_00110	.	.	.		NP_00109	.	protein_co	ENSG0000	441061	33609
MARCH2	13.7231	16.225	19.9932	16.2402	14.2828	14.0573	membrane associated ring-CH-type finger 2 [Source:HGNC Symbo	chr19:8478	NM_00100	XM_01152	.	.		NP_00100	XP_006722	protein_co	ENSG0000	51257	28038
MARCH3	0.533933	0.494675	0.460004	0.897728	0.763202	0.457589	membrane associated ring-CH-type finger 3 [Source:HGNC Symbo	chr5:12620	NM_17845	.	.	.		NP_84854	.	protein_co	ENSG0000	115123	28728
MARCH4	0	0.018538	0	0.060052	0.064253	0.020087	membrane associated ring-CH-type finger 4 [Source:HGNC Symbo	chr2:21712	NM_02081	.	.	.		NP_06586	.	protein_co	ENSG0000	57574	29269
MARCH5	14.3806	17.2741	16.8375	16.4402	17.3442	20.4775	membrane associated ring-CH-type finger 5 [Source:HGNC Symbo	chr10:9405	NM_01782	XM_01153	.	.		NP_06029	XP_011538	protein_co	ENSG0000	54708	26025
MARCH6	52.3915	50.2291	56.2808	43.8819	53.6085	59.0713	membrane associated ring-CH-type finger 6 [Source:HGNC Symbo	chr5:10353	NM_00127	XM_01151	.	.		NP_00125	XP_011512	protein_co	ENSG0000	10299	30550
MARCH7	30.7951	30.1057	36.9319	33.1142	42.911	50.4358	membrane associated ring-CH-type finger 7 [Source:HGNC Symbo	chr2:16056	NM_00128	XM_01700	.	.		NP_00126	XP_005246	protein_co	ENSG0000	64844	17393
MARCH8	7.38722	8.11564	7.64974	5.57157	6.39524	7.25115	membrane associated ring-CH-type finger 8 [Source:HGNC Symbo	chr10:4595	NM_00100	XM_01153	.	.		NP_00100	XP_005271	protein_co	ENSG0000	220972	23356
MARCH9	11.0279	11.506	11.9269	11.2375	8.20467	9.8266	membrane associated ring-CH-type finger 9 [Source:HGNC Symbo	chr12:5814	NM_13839	.	.	.		NP_61240	.	protein_co	ENSG0000	92979	25139
MARCKS	14.351	13.0969	12.1824	17.6616	17.1862	24.3541	myristoylated alanine rich protein kinase C substrate [Source:HG	chr6:11417	NM_00235	.	.	.		NP_00234	.	protein_co	ENSG0000	4082	6759
MARCKSL1	143.524	138.296	158.523	202.998	178.019	172.344	MARCKS like 1 [Source:HGNC Symbol;Acc:HGNC:7142]	chr1:32799	NM_02300	.	.	.		NP_07538	.	protein_co	ENSG0000	65108	7142
MARCO	0.030088	0	0	0	0.034699	0	macrophage receptor with collagenous structure [Source:HGNC S	chr2:11969	NM_00677	XM_01151	.	.		NP_00676	XP_011510	protein_co	ENSG0000	8685	6895
MARK1	2.97908	2.50327	2.16712	2.62885	2.16482	2.483	microtubule affinity regulating kinase 1 [Source:HGNC Symbol;Ac	chr1:22070	NM_00128	XM_01150	.	.		NP_00127	XP_005273	protein_co	ENSG0000	4139	6896
MARK2	16.0166	17.0682	16.2629	16.7835	17.1616	14.5328	microtubule affinity regulating kinase 2 [Source:HGNC Symbol;Ac	chr11:6360	NM_00103	XM_01154	.	.		NP_00103	XP_011543	protein_co	ENSG0000	2011	3332
MARK3	23.5025	22.4153	24.4078	23.1829	22.999	25.1258	microtubule affinity regulating kinase 3 [Source:HGNC Symbol;Ac	chr14:1038	NM_00112	XM_01153	.	.		NP_00112	XP_005267	protein_co	ENSG0000	4140	6897
MARK4	12.1343	12.9404	13.9426	12.9166	13.4265	12.0505	microtubule affinity regulating kinase 4 [Source:HGNC Symbol;Ac	chr19:4575	NM_00119	XM_00672	.	.		NP_00118	XP_006723	protein_co	ENSG0000	57787	13538
MARS	99.2423	96.0678	65.4057	83.0276	73.6071	127.86	methionyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:689	chr12:5785	NM_00499	XM_00671	NR_10681	.		NP_00498	XP_006719	protein_co	ENSG0000	102465454	6898
MARS2	15.9499	18.7955	17.8118	20.6984	20.2047	13.1025	methionyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symb	chr2:19857	NM_13839	.	.	.		NP_61240	.	protein_co	ENSG0000	92935	25133
MARVELD1	25.0338	25.0067	28.6031	28.6132	25.1358	19.5839	MARVEL domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2	chr10:9947	NM_03148	.	.	.		NP_11367	.	protein_co	ENSG0000	83742	28674
MARVELD2	9.36073	9.46138	8.94406	8.61241	10.4189	8.66816	MARVEL domain containing 2 [Source:HGNC Symbol;Acc:HGNC:2	chr5:68710	NM_00103	XM_00524	.	.		NP_00103	XP_005248	protein_co	ENSG0000	153562	26401
MARVELD3	14.4768	13.5283	13.8959	15.1077	14.0017	12.3407	MARVEL domain containing 3 [Source:HGNC Symbol;Acc:HGNC:3	chr16:7166	NM_00101	.	.	.		NP_00101	.	protein_co	ENSG0000	91862	30525
MAS1	0	0	0.006957	0.009048	0	0	MAS1 proto-oncogene, G protein-coupled receptor [Source:HGN	chr6:16032	NM_00237	.	.	.		NP_00236	.	protein_co	ENSG0000	4142	6899
MAS1L	0	0	0	0	0	0	MAS1 proto-oncogene like, G protein-coupled receptor [Source:H	chr6:29454	NM_05296	.	.	.		NP_44319	.	protein_co	ENSG0000	116511	13961
MASP1	0.033225	0	0.100924	0.040955	0	0.140623	mannan binding lectin serine peptidase 1 [Source:HGNC Symbol;	chr3:18693	NM_00103	XM_01151	.	.		NP_00102	XP_006713	protein_co	ENSG0000	5648	6901
MASP2	0.148273	0.144381	0	0.158199	0.101268	0	mannan binding lectin serine peptidase 2 [Source:HGNC Symbol;	chr1:11086	NM_00661	.	.	.		NP_00660	.	protein_co	ENSG0000	10747	6902
MAST1	6.63639	7.29302	8.36277	6.51592	6.05312	5.42087	microtubule associated serine/threonine kinase 1 [Source:HGNC	chr19:1293	NM_01497	XM_01152	.	.		NP_05579	XP_011526	protein_co	ENSG0000	22983	19034
MAST2	17.0176	17.43	18.4155	18.5441	17.8061	14.8187	microtubule associated serine/threonine kinase 2 [Source:HGNC	chr1:46269	NM_00131	XM_01154	.	.		NP_00130	XP_005270	protein_co	ENSG0000	23139	19035
MAST3	3.77929	3.94755	4.24687	3.90595	3.63502	3.29571	microtubule associated serine/threonine kinase 3 [Source:HGNC	chr19:1816	NM_01501	XM_01702	.	.		NP_05583	XP_005259	protein_co	ENSG0000	23031	19036
MAST4	0.641124	0.677603	0.77742	0.53665	0.591495	0.990939	microtubule associated serine/threonine kinase family member 4	chr5:65892	NM_00116	XM_01700	.	.		NP_00115	XP_006714	protein_co	ENSG0000	375449	19037
MASTL	8.7608	10.5827	9.36035	8.74293	10.3775	10.1563	microtubule associated serine/threonine kinase like [Source:HGN	chr10:2739	NM_00117	XM_00671	.	.		NP_00116	XP_005252	protein_co	ENSG0000	84930	19042
MAT1A	1.16891	0.961591	0.962137	0.835461	1.08153	0.556563	methionine adenosyltransferase 1A [Source:HGNC Symbol;Acc:H	chr10:8203	NM_00042	XM_00526	.	.		NP_00042	XP_005269	protein_co	ENSG0000	4143	6903
MAT2A	191.888	183.739	214.85	177.829	191.762	173.511	methionine adenosyltransferase 2A [Source:HGNC Symbol;Acc:H	chr2:85766	NM_00591	.	.	.		NP_00590	.	protein_co	ENSG0000	4144	6904
MAT2B	42.9036	43.8674	36.4345	51.3492	45.0753	42.96	methionine adenosyltransferase 2B [Source:HGNC Symbol;Acc:H	chr5:16293	NM_01328	.	.	.		NP_03741	.	protein_co	ENSG0000	27430	6905
MATK	0	0	0.080837	0	0	0	megakaryocyte-associated tyrosine kinase [Source:HGNC Symbol	chr19:3777	NM_00237	XM_01152	.	.		NP_00236	XP_011526	protein_co	ENSG0000	4145	6906
MATN1	0.056576	0	0.065204	0.061784	0.064997	0.039999	matrilin 1, cartilage matrix protein [Source:HGNC Symbol;Acc:HG	chr1:31184	NM_00237	.	.	.		NP_00237	.	protein_co	ENSG0000	4146	6907
MATN2	1.6042	1.95492	2.69945	2.68923	2.85082	3.03029	matrilin 2 [Source:HGNC Symbol;Acc:HGNC:6908]	chr8:98881	NM_00238	XM_01151	.	.		NP_00130	XP_005250	protein_co	ENSG0000	4147	6908
MATN3	0	0	0	0	0	0	matrilin 3 [Source:HGNC Symbol;Acc:HGNC:6909]	chr2:20191	NM_00238	.	.	.		NP_00237	.	protein_co	ENSG0000	4148	6909
MATN4	0.351886	0.385964	0.3585	0.373894	0.316251	0.224312	matrilin 4 [Source:HGNC Symbol;Acc:HGNC:6910]	chr20:4392	NM_00383	XM_00526	.	.		NP_00382	XP_005260	protein_co	ENSG0000	8785	6910
MATR3	112.962	114.7	105.258	131.503	131.294	127.883	matrin 3 [Source:HGNC Symbol;Acc:HGNC:6912]	chr5:13862	NM_00119	.	.	.		NP_00118	.	protein_co	ENSG0000	9782	6912
MAU2	10.1004	10.9708	9.1931	9.13684	9.24633	8.44771	MAU2 sister chromatid cohesion factor [Source:HGNC Symbol;Ac	chr19:1938	NM_01532	XM_01152	.	.		NP_05614	XP_005259	protein_co	ENSG0000	23383	29140
MAVS	25.4514	26.4619	29.5706	23.3226	24.4443	25.5938	mitochondrial antiviral signaling protein [Source:HGNC Symbol;A	chr20:3827	NM_00120	.	.	.		NP_00119	.	protein_co	ENSG0000	57506	29233
MAX	37.1587	36.9231	33.3757	33.7928	30.8902	28.8031	MYC associated factor X [Source:HGNC Symbol;Acc:HGNC:6913]	chr14:6538	NM_00132	.	.	.		NP_00125	XP_016876	protein_co	ENSG0000	4149	6913
MAZ	109.218	108.96	86.7802	112.642	102.75	83.8489	MYC associated zinc finger protein [Source:HGNC Symbol;Acc:HG	chr16:2981	NM_00104	XM_00672	.	.		NP_00103	XP_006721	protein_co	ENSG0000	4150	6914
MB	0.646262	0.787927	0.938275	0.760454	0.612294	0.71677	myoglobin [Source:HGNC Symbol;Acc:HGNC:6915]	chr22:3600	NM_00536	XM_00526	.	.		NP_00535	XP_005261	protein_co	ENSG0000	4151	6915
MB21D1	0	0	0	0.067463	0	0	Mab-21 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:21	chr6:74078	NM_13844	.	.	.		NP_61245	.	protein_co	ENSG0000	115004	21367
MB21D2	1.80513	2.23372	1.87282	1.66363	2.04224	1.8055	Mab-21 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30	chr3:19251	NM_17849	.	.	.		NP_84859	.	protein_co	ENSG0000	151963	30438

MBD1	16.0025	18.9451	15.9471	15.9335	15.6981	12.776	methyl-CpG binding domain protein 1 [Source:HGNC Symbol;Acc:	chr18:4779	NM_00120	XM_01702	.	.	NP_00119	XP_005258	protein_co	ENSG0000	4152	6916
MBD2	13.3824	13.6462	12.2166	14.6712	13.5448	13.8207	methyl-CpG binding domain protein 2 [Source:HGNC Symbol;Acc:	chr18:5167	NM_00392	.	.	.	NP_00391	.	protein_co	ENSG0000	8932	6917
MBD3	34.0886	32.7854	34.7761	35.2921	30.9866	32.1655	methyl-CpG binding domain protein 3 [Source:HGNC Symbol;Acc:	chr19:1573	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	53615	6918
MBD3L1	0	0	0	0	0	0	methyl-CpG binding domain protein 3 like 1 [Source:HGNC Symbo	chr19:8943	NM_14520	.	.	.	NP_66020	.	protein_co	ENSG0000	85509	15774
MBD3L2	0	0	0	0	0	0	methyl-CpG binding domain protein 3 like 2 [Source:HGNC Symbo	chr19:7049	NM_14461	.	.	.	NP_65321	XP_011507	protein_co	ENSG0000	729458	18532
MBD3L3	0	0	0	0	0	0	methyl-CpG binding domain protein 3 like 3 [Source:HGNC Symbo	chr19:7056	NM_00116	XM_01152	.	.	NP_00115	XP_011526	protein_co	ENSG0000	653657	37205
MBD3L4	0	0	0	0	0	0	methyl-CpG binding domain protein 3 like 4 [Source:HGNC Symbo	chr19:7037	NM_00116	XM_01152	.	.	NP_00115	XP_011526	protein_co	ENSG0000	653656	37206
MBD3L5	0	0	0	0	0	0	methyl-CpG binding domain protein 3 like 5 [Source:HGNC Symbo	chr19:7030	NM_00113	XM_01152	.	.	NP_00112	XP_011526	protein_co	ENSG0000	284428	37204
MBD4	9.35093	7.79918	8.19784	7.9131	9.42707	10.1737	methyl-CpG binding domain 4, DNA glycosylase [Source:HGNC Sy	chr3:12914	NM_00127	XM_01151	.	.	NP_00126	XP_011511	protein_co	ENSG0000	8930	6919
MBD5	1.87066	1.43551	2.65193	1.34775	1.63618	2.89821	methyl-CpG binding domain protein 5 [Source:HGNC Symbol;Acc:	chr2:14860	NM_01832	XM_01151	.	.	NP_06079	XP_005263	protein_co	ENSG0000	55777	20444
MBD6	6.65698	7.09843	4.8151	7.39233	6.11449	9.88573	methyl-CpG binding domain protein 6 [Source:HGNC Symbol;Acc:	chr12:5791	NM_05289	XM_01153	.	.	NP_44312	XP_005268	protein_co	ENSG0000	114785	20445
MBIP	10.3447	8.1461	9.80213	9.88658	11.684	10.9834	MAP3K12 binding inhibitory protein 1 [Source:HGNC Symbol;Acc:	chr14:3676	NM_00114	XM_01153	.	.	NP_00113	XP_005267	protein_co	ENSG0000	51562	20427
MBL2	0.027856	0	0	0	0	0	mannose binding lectin 2 [Source:HGNC Symbol;Acc:HGNC:6922]	chr10:5452	NM_00024	XM_01153	.	.	NP_00023	XP_006717	protein_co	ENSG0000	4153	6922
MBLAC1	0.880672	1.28927	0.636265	0.642571	0.885228	0.542068	metallo-beta-lactamase domain containing 1 [Source:HGNC Symb	chr7:99724	NM_20339	XM_00525	.	.	NP_98194	XP_005250	protein_co	ENSG0000	255374	22180
MBLAC2	3.11761	3.69244	4.11761	3.08693	3.45201	3.57273	metallo-beta-lactamase domain containing 2 [Source:HGNC Symb	chr5:89754	NM_20340	.	.	.	NP_98195	.	protein_co	ENSG0000	153364	33711
MBNL1	38.5066	43.7795	32.7984	43.8054	42.7304	39.2686	muscleblind like splicing regulator 1 [Source:HGNC Symbol;Acc:H	chr3:15198	NM_02103	XM_01700	.	.	NP_00130	XP_005247	protein_co	ENSG0000	4154	6923
MBNL2	14.9217	15.1512	13.7026	8.90578	9.93005	14.9975	muscleblind like splicing regulator 2 [Source:HGNC Symbol;Acc:H	chr13:9787	NM_00130	XM_01702	.	.	NP_00129	XP_005254	protein_co	ENSG0000	10150	16746
MBNL3	1.38836	1.42178	1.48206	2.74345	3.74364	3.94672	muscleblind like splicing regulator 3 [Source:HGNC Symbol;Acc:H	chrX:13150	NM_00117	XM_01153	.	.	NP_00116	XP_005262	protein_co	ENSG0000	55796	20564
MBOAT1	4.59566	4.96494	3.84596	5.18937	4.73649	5.30137	membrane bound O-acyltransferase domain containing 1 [Source	chr6:20102	NM_00108	XM_00671	.	.	NP_00107	XP_006715	protein_co	ENSG0000	154141	21579
MBOAT2	2.90134	3.1679	3.32255	3.73369	4.42925	4.39507	membrane bound O-acyltransferase domain containing 2 [Source	chr2:89928	NM_00132	XM_01151	.	.	NP_00130	.	protein_co	ENSG0000	129642	25193
MBOAT4	0.176902	0	0	0.064741	0.199685	0	membrane bound O-acyltransferase domain containing 4 [Source	chr8:29952	NM_00110	XM_01154	.	.	NP_00109	XP_011542	protein_co	ENSG0000	619373	32311
MBOAT7	67.0795	64.9335	60.3264	66.1537	54.8695	53.0477	membrane bound O-acyltransferase domain containing 7 [Source	chr19:5467	NM_00114	XM_01152	.	.	NP_00113	XP_011525	protein_co	ENSG0000	79143	15505
MBP	13.6728	14.5406	14.8035	11.4009	12.5897	13.2255	myelin basic protein [Source:HGNC Symbol;Acc:HGNC:6925]	chr18:7469	NM_00102	XM_01702	.	.	NP_00102	XP_016881	protein_co	ENSG0000	4155	6925
MBTD1	14.1634	12.7094	16.4167	6.59016	9.9698	11.8102	mbt domain containing 1 [Source:HGNC Symbol;Acc:HGNC:19866	chr17:4925	NM_01764	XM_01152	.	.	NP_06011	XP_005257	protein_co	ENSG0000	54799	19866
MBTPS1	41.982	45.3835	42.171	40.7522	38.2483	42.5917	membrane bound transcription factor peptidase, site 1 [Source:H	chr16:8408	NM_00379	.	.	.	NP_00378	.	protein_co	ENSG0000	8720	15456
MBTPS2	7.87485	9.0173	8.79283	9.04003	11.7586	12.9046	membrane bound transcription factor peptidase, site 2 [Source:H	chrX:21857	NM_01588	.	.	.	NP_05696	.	protein_co	ENSG0000	51360	15455
MC1R	4.04817	3.06683	4.43425	4.8783	4.70233	4.91128	melanocortin 1 receptor [Source:HGNC Symbol;Acc:HGNC:6929]	chr16:8997	NM_00238	.	.	.	NP_00237	.	protein_co	ENSG0000	4157	6929
MC2R	0	0	0	0	0	0	melanocortin 2 receptor [Source:HGNC Symbol;Acc:HGNC:6930]	chr18:1388	NM_00052	.	.	.	NP_00052	XP_016881	protein_co	ENSG0000	4158	6930
MC3R	0	0	0	0	0	0	melanocortin 3 receptor [Source:HGNC Symbol;Acc:HGNC:6931]	chr20:5482	NM_01988	.	.	.	NP_06394	.	protein_co	ENSG0000	4159	6931
MC4R	0	0.103912	0.04241	0	0.054319	0	melanocortin 4 receptor [Source:HGNC Symbol;Acc:HGNC:6932]	chr18:5803	NM_00591	.	.	.	NP_00590	.	protein_co	ENSG0000	4160	6932
MC5R	0	0	0	0	0	0	melanocortin 5 receptor [Source:HGNC Symbol;Acc:HGNC:6933]	chr18:1382	NM_00591	.	.	.	NP_00590	.	protein_co	ENSG0000	4161	6933
MCAM	13.8931	13.3195	14.1582	6.57183	5.34734	3.91475	melanoma cell adhesion molecule [Source:HGNC Symbol;Acc:HGI	chr11:1191	NM_00650	.	NR_10681	.	NP_00649	XP_016873	protein_co	ENSG0000	102465453	6934
MCAT	27.1499	25.5419	27.501	28.4225	21.2679	19.8827	malonyl-CoA-acyl carrier protein transacylase [Source:HGNC Sym	chr22:4352	NM_01450	.	.	.	NP_05532	.	protein_co	ENSG0000	27349	29622
MCC	5.38073	5.84854	8.44132	3.19466	4.31501	3.8119	mutated in colorectal cancers [Source:HGNC Symbol;Acc:HGNC:6	chr5:11235	NM_00108	XM_00527	.	.	NP_00107	XP_005272	protein_co	ENSG0000	4163	6935
MCCC1	5.40153	4.93327	6.09354	4.90603	4.62847	4.86856	methylcrotonoyl-CoA carboxylase 1 [Source:HGNC Symbol;Acc:H	chr3:18273	NM_00129	XM_01151	.	.	NP_00128	XP_006713	protein_co	ENSG0000	56922	6936
MCCC2	27.573	26.1005	34.7785	27.3395	24.4466	26.2441	methylcrotonoyl-CoA carboxylase 2 [Source:HGNC Symbol;Acc:H	chr5:70883	NM_02213	XM_01154	.	.	NP_07141	XP_005248	protein_co	ENSG0000	64087	6937
MCCD1	0	0	0	0	0	0	mitochondrial coiled-coil domain 1 [Source:HGNC Symbol;Acc:HG	chr6:31496	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	401250	20668
MCEE	6.67922	5.18193	4.54159	5.14299	4.08802	4.16031	methylmalonyl-CoA epimerase [Source:HGNC Symbol;Acc:HGNC:	chr2:71336	NM_03260	XM_00526	.	.	NP_11599	XP_005264	protein_co	ENSG0000	84693	16732
MCEMP1	0	0	0	0	0	0	mast cell expressed membrane protein 1 [Source:HGNC Symbol;A	chr19:7741	NM_17491	.	.	.	NP_77757	.	protein_co	ENSG0000	199675	27291
MCF2	0.02566	0.043309	0.112096	0	0	0.019816	MCF.2 cell line derived transforming sequence [Source:HGNC Syn	chrX:13866	NM_00109	XM_01153	.	.	NP_00109	XP_005262	protein_co	ENSG0000	4168	6940
MCF2L	2.82783	2.64481	3.90148	2.36418	2.61844	2.70295	MCF.2 cell line derived transforming sequence like [Source:HGNC	chr13:1135	NM_00111	XM_01153	.	.	NP_00110	XP_005268	protein_co	ENSG0000	23263	14576
MCF2L2	0.621774	0.448453	0.422402	0.121142	0.2422	0.301941	MCF.2 cell line derived transforming sequence-like 2 [Source:HGN	chr3:18289	NM_01507	.	.	.	NP_05589	.	protein_co	ENSG0000	23101	30319
MCFD2	39.9247	39.9695	35.0343	38.3107	44.3457	43.9385	multiple coagulation factor deficiency 2 [Source:HGNC Symbol;Ac	chr2:47129	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	90411	18451
MCHR1	0	0.028728	0	0	0	0	melanin concentrating hormone receptor 1 [Source:HGNC Symbo	chr22:4107	NM_00529	.	.	.	NP_00528	.	protein_co	ENSG0000	2847	4479
MCHR2	0	0	0.053384	0	0	0	melanin concentrating hormone receptor 2 [Source:HGNC Symbo	chr6:10036	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	84539	20867
MCIDAS	4.42388	4.1672	3.41701	2.62606	3.16609	2.30694	multiciliate differentiation and DNA synthesis associated cell cycl	chr5:54519	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	345643	40050
MCL1	68.9354	71.7376	76.5042	76.5702	88.3868	96.0283	BCL2 family apoptosis regulator [Source:HGNC Symbol;Acc:HGNC	chr1:15054	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	4170	6943
MCM10	16.8242	18.8561	13.8856	22.468	21.547	14.507	minichromosome maintenance 10 replication initiation factor [So	chr10:1320	NM_01851	XM_01151	.	.	NP_06098	XP_011517	protein_co	ENSG0000	55388	18043
MCM2	63.2846	68.7296	57.1513	72.7755	65.163	56.2341	minichromosome maintenance complex component 2 [Source:H	chr3:12731	NM_00452	.	.	.	NP_00451	.	protein_co	ENSG0000	4171	6944
MCM3	98.6642	99.515	77.8906	103.551	101.477	84.0473	minichromosome maintenance complex component 3 [Source:H	chr6:52128	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	4172	6945
MCM3AP	14.533	14.8768	15.4128	15.1019	14.8029	11.7329	minichromosome maintenance complex component 3 associated	chr21:4765	NM_00390	XM_00672	.	.	NP_00389	XP_005261	protein_co	ENSG0000	8888	6946
MCM4	97.6833	96.5966	87.3501	111.482	113.129	83.3996	minichromosome maintenance complex component 4 [Source:H	chr8:48873	NM_00591	XM_00525	.	.	NP_00590	.	protein_co	ENSG0000	4173	6947
MCM5	60.7157	61.8978	49.1909	61.5839	54.9318	49.3986	minichromosome maintenance complex component 5 [Source:H	chr22:3579	NM_00673	XM_00672	.	.	NP_00673	XP_006724	protein_co	ENSG0000	4174	6948
MCM6	48.3139	50.225	46.4806	57.3414	57.4128	57.7195	minichromosome maintenance complex component 6 [Source:H	chr2:13659	NM_00591	.	.	.	NP_00590	.	protein_co	ENSG0000	4175	6949
MCM7	173.65	169.354	141.097	182.718	164.46	140.5	minichromosome maintenance complex component 7 [Source:H	chr7:99690	NM_00127	XM_00525	.	.	NP_00126	XP_005250	protein_co	ENSG0000	4176	6950
MCM8	9.55607	9.24447	7.99541	9.25698	11.0461	9.7291	minichromosome maintenance 8 homologous recombination rep	chr20:5931	NM_00128	.	.	.	NP_00126	XP_016883	protein_co	ENSG0000	84515	16147
MCM9	3.307	3.7866	3.05742	3.61037	3.61512	2.87491	minichromosome maintenance 9 homologous recombination rep	chr6:11913	NM_01769	.	.	.	NP_06016	.	protein_co	ENSG0000	254394	21484
MCMBP	84.2086	84.6528	71.0551	86.2127	94.0676	78.6641	minichromosome maintenance complex binding protein [Source:	chr10:1215	NM_00125	XM_01154	.	.	NP_00124	XP_005270	protein_co	ENSG0000	79892	25782
MCMDC2	0.057837	0.018585	0.029708	0.039469	0.065122	0.058567	minichromosome maintenance domain containing 2 [Source:HGN	chr8:67782	NM_00113	XM_01151	.	.	NP_00112	XP_005251	protein_co	ENSG0000	157777	26368

MCOLN1	8.2843	9.01723	7.55311	8.2719	7.14019	6.16027	mucolipin 1 [Source:HGNC Symbol;Acc:HGNC:13356]	chr19:7587	NM_02053	.	.	.	NP_06539	.	protein_co	ENSG0000	57192	13356
MCOLN2	3.45571	3.72586	4.54587	4.27894	4.13079	4.92011	mucolipin 2 [Source:HGNC Symbol;Acc:HGNC:13357]	chr1:85391	NM_15325	XM_01154	.	.	NP_69499	XP_005270	protein_co	ENSG0000	255231	13357
MCOLN3	5.2052	5.53086	7.24192	3.07295	4.99903	4.83665	mucolipin 3 [Source:HGNC Symbol;Acc:HGNC:13358]	chr1:85464	NM_00125	XM_01154	.	.	NP_00124	XP_005271	protein_co	ENSG0000	55283	13358
MCPH1	9.79618	9.32104	8.93563	10.3132	10.8525	10.0243	microcephalin 1 [Source:HGNC Symbol;Acc:HGNC:6954]	chr8:62641	NM_00117	XM_01153	.	.	NP_00116	XP_011533	protein_co	ENSG0000	79648	6954
MCRIP1	38.1926	35.8175	37.3005	38.2305	30.2708	48.8684	MAPK regulated corepressor interacting protein 1 [Source:HGNC	chr17:7978	NM_00109	XM_01152	.	.	NP_00108	XP_011521	protein_co	ENSG0000	348262	28007
MCRIP2	23.0085	20.2565	22.2395	28.9455	20.2594	20.7552	MAPK regulated corepressor interacting protein 2 [Source:HGNC	chr16:6918	NM_13841	.	.	XR_916802	NP_61242	.	protein_co	ENSG0000	100287175	14142
MCRS1	48.6121	46.2941	39.612	55.6839	44.8815	36.401	microspherule protein 1 [Source:HGNC Symbol;Acc:HGNC:6960]	chr12:4993	NM_00101	XM_01153	.	.	NP_00101	XP_005268	protein_co	ENSG0000	10445	6960
MCTP1	0.075304	0.197868	0.339244	0.102721	0.296413	0.305805	multiple C2 and transmembrane domain containing 1 [Source:HG	chr5:94040	NM_00100	XM_01154	.	.	NP_00100	XP_005272	protein_co	ENSG0000	79772	26183
MCTP2	3.29334	2.70305	3.09516	2.54395	2.67131	3.38567	multiple C2 and transmembrane domain containing 2 [Source:HG	chr15:9477	NM_00115	XM_01152	.	.	NP_00115	XP_005255	protein_co	ENSG0000	55784	25636
MCTS1	40.0064	31.1739	37.052	38.5176	43.8888	49.3244	MCTS1, re-initiation and release factor [Source:HGNC Symbol;Acc	chrX:11973	NM_00113	.	.	.	NP_00113	.	protein_co	ENSG0000	28985	23357
MCU	14.4644	16.1345	13.2865	17.5037	19.5485	19.5003	mitochondrial calcium uniporter [Source:HGNC Symbol;Acc:HGN	chr10:7445	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	90550	23526
MCUR1	13.6835	12.7106	13.8007	13.999	15.2237	16.0689	mitochondrial calcium uniporter regulator 1 [Source:HGNC Symb	chr6:13786	NM_00103	XM_01151	.	.	NP_00102	XP_011513	protein_co	ENSG0000	63933	21097
MDC1	12.007	12.8771	10.8966	10.2739	10.6756	8.87255	mediator of DNA damage checkpoint 1 [Source:HGNC Symbol;Ac	chr6:30667	NM_01464	XM_01151	.	.	NP_05545	XP_005249	protein_co	ENSG0000	9656	21163
MDFI	20.8471	17.3243	17.4338	22.2131	20.5029	17.4892	MyoD family inhibitor [Source:HGNC Symbol;Acc:HGNC:6967]	chr6:41604	NM_00130	XM_01151	.	.	NP_00128	XP_005249	protein_co	ENSG0000	4188	6967
MDFIC	2.70377	4.25952	2.53535	5.56811	3.11153	3.39873	MyoD family inhibitor domain containing [Source:HGNC Symbol;A	chr7:11456	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	29969	28870
MDGA1	0.427222	0.399127	1.26495	0.55944	0.728109	0.692729	MAM domain containing glycosylphosphatidylinositol anchor 1 [S	chr6:37598	NM_15348	XM_00671	.	.	NP_70569	XP_006715	protein_co	ENSG0000	266727	19267
MDGA2	0	0	0	0	0	0	MAM domain containing glycosylphosphatidylinositol anchor 2 [S	chr14:4730	NM_00111	XM_01153	.	.	NP_00110	XP_011534	protein_co	ENSG0000	161357	19835
MDH1	196.69	187.553	187.425	248.791	247.065	231.404	malate dehydrogenase 1 [Source:HGNC Symbol;Acc:HGNC:6970]	chr2:63348	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	4190	6970
MDH1B	1.74483	2.25586	2.32945	1.97276	1.82533	1.37666	malate dehydrogenase 1B [Source:HGNC Symbol;Acc:HGNC:1783	chr2:20760	NM_00103	XM_01151	.	.	NP_00103	XP_005246	protein_co	ENSG0000	130752	17836
MDH2	137.625	138.96	154.529	185.963	152.347	147.286	malate dehydrogenase 2 [Source:HGNC Symbol;Acc:HGNC:6971]	chr7:75677	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	4191	6971
MDK	354.225	352.973	424.036	362.556	282.947	311.568	midkine (neurite growth-promoting factor 2) [Source:HGNC Symb	chr11:4640	NM_00101	XM_01152	.	.	NP_00101	XP_011518	protein_co	ENSG0000	4192	6972
MDM1	5.59884	6.61106	4.79639	6.50793	5.9924	5.36857	Mdm1 nuclear protein [Source:HGNC Symbol;Acc:HGNC:29917]	chr12:6868	NM_00120	XM_00526	.	.	NP_00119	XP_005269	protein_co	ENSG0000	56890	29917
MDM2	39.041	34.9121	44.164	26.6431	41.7318	26.9724	MDM2 proto-oncogene [Source:HGNC Symbol;Acc:HGNC:6973]	chr12:6920	NM_00114	XM_00671	.	.	NP_00113	XP_005268	protein_co	ENSG0000	4193	6973
MDM4	10.2236	9.25801	9.0067	5.95249	7.89808	9.92385	MDM4, p53 regulator [Source:HGNC Symbol;Acc:HGNC:6974]	chr1:20448	NM_00120	XM_01150	.	.	NP_00119	XP_011507	protein_co	ENSG0000	4194	6974
MDN1	9.29872	9.56857	10.2913	7.85122	9.19866	7.89537	midasin AAA ATPase 1 [Source:HGNC Symbol;Acc:HGNC:18302]	chr6:90352	NM_01461	XM_01153	.	.	NP_05542	XP_011533	protein_co	ENSG0000	23195	18302
MDP1	18.1419	16.5787	14.2921	17.9023	13.83	10.6209	magnesium dependent phosphatase 1 [Source:HGNC Symbol;Acc	chr14:2468	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	145553	28781
MDS2	0	0	0	0	0	0	myelodysplastic syndrome 2 translocation associated [Source:HG	chr1:23953	.	.	.	.	.	.	protein_co	ENSG0000	.	29633
ME1	22.3745	21.9729	19.998	23.8382	25.4257	29.9321	malic enzyme 1 [Source:HGNC Symbol;Acc:HGNC:6983]	chr6:83920	NM_00239	XM_01153	.	.	NP_00238	XP_011534	protein_co	ENSG0000	4199	6983
ME2	29.3426	29.659	30.2	45.2177	43.7603	38.4459	malic enzyme 2 [Source:HGNC Symbol;Acc:HGNC:6984]	chr18:4840	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	4200	6984
ME3	0.065136	0.032718	0.069057	0	0.110186	0.035066	malic enzyme 3 [Source:HGNC Symbol;Acc:HGNC:6985]	chr11:8615	NM_00101	XM_01154	.	.	NP_00101	XP_005273	protein_co	ENSG0000	10873	6985
MEA1	57.8341	55.3787	44.947	65.1165	53.2435	42.8513	male-enhanced antigen 1 [Source:HGNC Symbol;Acc:HGNC:6986]	chr6:42952	NM_01462	.	.	.	NP_00130	XP_005249	protein_co	ENSG0000	4201	6986
MEAF6	34.2715	36.058	29.8316	26.5287	25.4992	26.7144	MYST/Esa1 associated factor 6 [Source:HGNC Symbol;Acc:HGNC:	chr1:37958	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	64769	25674
MECOM	1.17225	1.1139	1.54098	2.26535	2.41831	2.76407	MDS1 and EVI1 complex locus [Source:HGNC Symbol;Acc:HGNC:3	chr3:16880	NM_00110	XM_01700	.	.	NP_00109	XP_005247	protein_co	ENSG0000	2122	3498
MECP2	8.71489	10.5229	10.4787	10.0048	11.0146	9.11985	methyl-CpG binding protein 2 [Source:HGNC Symbol;Acc:HGNC:6	chrX:15328	NM_00111	XM_01702	.	.	NP_00110	XP_005274	protein_co	ENSG0000	4204	6990
MECR	17.0802	18.683	17.7675	21.0269	15.2737	16.3071	mitochondrial trans-2-enoyl-CoA reductase [Source:HGNC Symbo	chr1:29519	NM_00102	XM_01154	.	.	NP_00101	XP_005245	protein_co	ENSG0000	51102	19691
MED1	29.3345	29.3469	28.8944	31.7607	35.5172	31.5088	mediator complex subunit 1 [Source:HGNC Symbol;Acc:HGNC:92	chr17:3756	NM_00477	XM_00672	.	.	NP_00476	XP_005257	protein_co	ENSG0000	5469	9234
MED10	30.6474	30.284	23.8655	38.4794	26.5095	20.5758	mediator complex subunit 10 [Source:HGNC Symbol;Acc:HGNC:2	chr5:63719	NM_03228	.	.	.	NP_11566	.	protein_co	ENSG0000	84246	28760
MED11	15.6615	12.1272	11.0395	13.3246	10.6038	10.4136	mediator complex subunit 11 [Source:HGNC Symbol;Acc:HGNC:3	chr17:4634	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	400569	32687
MED12	5.28982	5.71641	5.80517	4.62139	4.84628	4.98961	mediator complex subunit 12 [Source:HGNC Symbol;Acc:HGNC:1	chrX:70338	NM_00512	XM_00526	.	.	NP_00511	.	protein_co	ENSG0000	9968	11957
MED12L	0.859063	0.652803	1.25049	0.653452	0.714283	0.939903	mediator complex subunit 12 like [Source:HGNC Symbol;Acc:HGN	chr3:15080	NM_05300	XM_01151	.	.	NP_44372	XP_006713	protein_co	ENSG0000	116931	16050
MED13	16.9549	17.0601	16.1172	14.5873	18.5786	20.3777	mediator complex subunit 13 [Source:HGNC Symbol;Acc:HGNC:2	chr17:6001	NM_00512	XM_01152	.	.	NP_00511	XP_011523	protein_co	ENSG0000	9969	22474
MED13L	16.5962	18.214	19.6385	15.0293	17.9143	20.3658	mediator complex subunit 13 like [Source:HGNC Symbol;Acc:HGN	chr12:1163	NM_01533	XM_01153	.	.	NP_05615	XP_011536	protein_co	ENSG0000	23389	22962
MED14	9.6	9.95779	10.2252	8.55294	11.1058	10.194	mediator complex subunit 14 [Source:HGNC Symbol;Acc:HGNC:2	chrX:40507	NM_00422	XM_01154	.	.	NP_00422	XP_005272	protein_co	ENSG0000	9282	2370
MED15	20.4249	19.0495	18.2984	19.9976	18.2359	16.5205	mediator complex subunit 15 [Source:HGNC Symbol;Acc:HGNC:1	chr22:2086	NM_00100	XM_01702	.	.	NP_00100	XP_006724	protein_co	ENSG0000	51586	14248
MED16	31.213	38.5565	21.2219	33.4291	28.7012	19.9082	mediator complex subunit 16 [Source:HGNC Symbol;Acc:HGNC:1	chr19:8676	NM_00548	.	.	.	NP_00547	.	protein_co	ENSG0000	10025	17556
MED17	15.5571	15.5884	14.6588	16.7916	19.6597	16.701	mediator complex subunit 17 [Source:HGNC Symbol;Acc:HGNC:2	chr11:9351	NM_00426	XM_01154	.	.	NP_00425	XP_011541	protein_co	ENSG0000	9440	2375
MED18	17.0855	20.888	17.3029	22.3851	19.7935	17.5325	mediator complex subunit 18 [Source:HGNC Symbol;Acc:HGNC:2	chr1:28655	NM_00112	XM_00524	.	.	NP_00112	XP_005245	protein_co	ENSG0000	54797	25944
MED19	15.9109	12.4489	13.1023	14.8918	12.6652	12.8597	mediator complex subunit 19 [Source:HGNC Symbol;Acc:HGNC:2	chr11:5747	NM_15345	XM_00527	.	.	NP_00130	.	protein_co	ENSG0000	219541	29600
MED20	13.3355	14.1807	10.7607	14.0949	16.4438	11.8037	mediator complex subunit 20 [Source:HGNC Symbol;Acc:HGNC:1	chr6:41873	NM_00427	.	.	.	NP_00129	.	protein_co	ENSG0000	9477	16840
MED21	23.0591	17.6154	23.5763	20.9777	21.5204	23.9249	mediator complex subunit 21 [Source:HGNC Symbol;Acc:HGNC:1	chr12:2717	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	9412	11473
MED22	13.0527	14.1113	12.8025	13.5948	12.9751	8.54097	mediator complex subunit 22 [Source:HGNC Symbol;Acc:HGNC:1	chr9:13620	NM_13364	.	.	.	NP_59839	.	protein_co	ENSG0000	6837	11477
MED23	9.04895	8.93286	9.06544	7.14118	9.81392	8.74798	mediator complex subunit 23 [Source:HGNC Symbol;Acc:HGNC:2	chr6:13189	NM_00127	XM_01153	.	.	NP_00125	XP_005267	protein_co	ENSG0000	9439	2372
MED24	28.4533	30.1618	26.2228	30.1566	28.9408	18.9766	mediator complex subunit 24 [Source:HGNC Symbol;Acc:HGNC:2	chr17:3817	NM_00107	XM_01702	NR_10694	.	NP_00107	XP_005257	protein_co	ENSG0000	102466757	22963
MED25	24.2274	25.8868	22.4841	25.9778	22.6826	19.1214	mediator complex subunit 25 [Source:HGNC Symbol;Acc:HGNC:2	chr19:5032	NM_03097	XM_01152	NR_10685	.	NP_11223	XP_011525	protein_co	ENSG0000	102465480	28845
MED26	7.01157	7.14625	5.56268	8.39141	7.77298	5.47568	mediator complex subunit 26 [Source:HGNC Symbol;Acc:HGNC:2	chr19:1668	NM_00483	.	.	.	NP_00482	.	protein_co	ENSG0000	9441	2376
MED27	20.637	18.7323	20.6122	24.9767	22.9674	16.2382	mediator complex subunit 27 [Source:HGNC Symbol;Acc:HGNC:2	chr9:13473	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	9442	2377
MED28	8.99553	8.79331	9.17983	8.82705	9.84204	9.40649	mediator complex subunit 28 [Source:HGNC Symbol;Acc:HGNC:2	chr4:17616	NM_02520	.	.	.	NP_07948	.	protein_co	ENSG0000	80306	24628
MED29	17.2573	17.9124	14.9342	17.8564	17.7674	15.1317	mediator complex subunit 29 [Source:HGNC Symbol;Acc:HGNC:2	chr19:3988	NM_01759	.	.	.	NP_00130	.	protein_co	ENSG0000	55588	23074
MED30	23.0808	22.4362	20.9027	25.6875	22.2417	31.4343	mediator complex subunit 30 [Source:HGNC Symbol;Acc:HGNC:2	chr8:11853	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	90390	23032

MED31	25.3317	24.9667	23.5383	35.2071	26.284	20.6582	mediator complex subunit 31 [Source:HGNC Symbol;Acc:HGNC:2	chr17:6481	NM_01606	.	.	.		NP_05714	.	protein_co	ENSG0000	51003	24260
MED4	32.326	30.6061	29.5939	30.181	36.559	32.7451	mediator complex subunit 4 [Source:HGNC Symbol;Acc:HGNC:17	chr13:4865	NM_00127	.	.	.		NP_00125	XP_01687	protein_co	ENSG0000	29079	17903
MED6	21.9663	19.5519	21.2035	21.4954	21.4888	21.9774	mediator complex subunit 6 [Source:HGNC Symbol;Acc:HGNC:19	chr14:7104	NM_00128	.	.	.		NP_00127	.	protein_co	ENSG0000	10001	19970
MED7	8.51448	7.47742	9.73672	8.70876	9.35252	12.1772	mediator complex subunit 7 [Source:HGNC Symbol;Acc:HGNC:23	chr5:15656	NM_00110	.	.	.		NP_00109	.	protein_co	ENSG0000	9443	2378
MED8	22.5731	25.2868	16.9991	17.2802	15.7501	20.0367	mediator complex subunit 8 [Source:HGNC Symbol;Acc:HGNC:19	chr1:43849	NM_00100	.	.	.		NP_00100	.	protein_co	ENSG0000	112950	19971
MED9	12.3091	11.308	12.2375	16.0968	13.8459	12.7081	mediator complex subunit 9 [Source:HGNC Symbol;Acc:HGNC:25	chr17:1738	NM_01801	.	.	.		NP_06048	.	protein_co	ENSG0000	55090	25487
MEDAG	0	0	0	0.040316	0	0	mesenteric estrogen dependent adipogenesis [Source:HGNC Sym	chr13:3148	NM_03284	.	.	.		NP_11623	.	protein_co	ENSG0000	84935	25926
MEF2A	9.79689	10.2916	9.82919	9.14425	10.9407	12.4368	myocyte enhancer factor 2A [Source:HGNC Symbol;Acc:HGNC:69	chr15:1001	NM_00113	XM_01702	.	.		NP_00112	XP_005254	protein_co	ENSG0000	4205	6993
MEF2B	2.61382	3.44805	4.31859	4.27746	4.99804	4.84599	myocyte enhancer factor 2B [Source:HGNC Symbol;Acc:HGNC:69	chr19:1925	NM_00114	.	.	.		NP_00113	.	protein_co	ENSG0000	100271849	6995
MEF2C	5.49923	5.79456	4.24433	14.3639	17.0255	8.91085	myocyte enhancer factor 2C [Source:HGNC Symbol;Acc:HGNC:69	chr5:88012	NM_00113	XM_01700	.	.		NP_00112	XP_005248	protein_co	ENSG0000	4208	6996
MEF2D	11.4989	11.9805	9.77943	9.4965	9.39081	10.0886	myocyte enhancer factor 2D [Source:HGNC Symbol;Acc:HGNC:69	chr1:15643	NM_00127	XM_01700	.	.		NP_00125	XP_005245	protein_co	ENSG0000	4209	6997
MEFV	0.039199	0.024886	0.034136	0.042545	0.045246	0.084457	Mediterranean fever [Source:HGNC Symbol;Acc:HGNC:6998]	chr16:3292	NM_00024	.	.	.		NP_00023	XP_016878	protein_co	ENSG0000	4210	6998
MEGF10	0.010664	0	0	0	0	0	multiple EGF like domains 10 [Source:HGNC Symbol;Acc:HGNC:29	chr5:12662	NM_00125	XM_01700	.	.		NP_00124	XP_011541	protein_co	ENSG0000	84466	29634
MEGF11	0.45556	0.520242	0.96366	0.339958	0.257744	0.419437	multiple EGF like domains 11 [Source:HGNC Symbol;Acc:HGNC:29	chr15:6618	NM_03244	XM_01702	.	.		NP_11582	XP_016878	protein_co	ENSG0000	84465	29635
MEGF6	4.70187	5.24073	8.17075	3.27827	3.15531	3.61826	multiple EGF like domains 6 [Source:HGNC Symbol;Acc:HGNC:323	chr1:34064	NM_00140	XM_01154	.	.		NP_00140	XP_006710	protein_co	ENSG0000	1953	3232
MEGF8	7.19051	7.37767	9.8547	6.32062	6.56155	8.61545	multiple EGF like domains 8 [Source:HGNC Symbol;Acc:HGNC:323	chr19:4282	NM_00127	.	.	.		NP_00125	.	protein_co	ENSG0000	1954	3233
MEGF9	5.36009	4.96305	5.94156	4.83216	5.46013	7.08359	multiple EGF like domains 9 [Source:HGNC Symbol;Acc:HGNC:323	chr9:12336	NM_00108	.	.	.		NP_00107	.	protein_co	ENSG0000	1955	3234
MEI1	0.0385	0.039127	0.049728	0.069572	0.021929	0.08206	meiotic double-stranded break formation protein 1 [Source:HGN	chr22:4209	NM_15251	XM_01152	.	.		NP_68972	XP_011528	protein_co	ENSG0000	150365	28613
MEI4	0	0	0	0	0	0.018619	meiotic double-stranded break formation protein 4 [Source:HGN	chr6:78400	NM_00128	XM_01701	.	.		NP_00126	XP_005248	protein_co	ENSG0000	101928601	43638
MEIG1	1.11635	1.19111	1.70872	2.50653	1.42612	2.74168	meiosis/spermiogenesis associated 1 [Source:HGNC Symbol;Acc:	chr10:1500	NM_00108	.	NR_13449	.		NP_00107	.	protein_co	ENSG0000	105376430	23429
MEIKIN	0	0	0	0	0	0	meiotic kinetochore factor [Source:HGNC Symbol;Acc:HGNC:512	chr5:13114	NM_00130	.	.	.		NP_00129	.	protein_co	ENSG0000	728637	51253
MEIOB	0.091498	0.049728	0.159219	0.317784	0.3399	0.657017	meiosis specific with OB domains [Source:HGNC Symbol;Acc:HGN	chr16:1857	NM_00116	.	.	.		NP_00115	.	protein_co	ENSG0000	254528	28569
MEIOC	0	0	0	0	0	0	meiosis specific with coiled-coil domain [Source:HGNC Symbol;A	chr17:4273	NM_00114	XM_00525	.	.		NP_00113	XP_005257	protein_co	ENSG0000	284071	26670
MEIS1	0	0	0	0	0	0	Meis homeobox 1 [Source:HGNC Symbol;Acc:HGNC:7000]	chr2:66662	NM_00239	XM_00526	.	.		NP_00238	XP_005264	protein_co	ENSG0000	4211	7000
MEIS2	3.19497	3.32747	3.79011	2.31563	2.77413	2.58015	Meis homeobox 2 [Source:HGNC Symbol;Acc:HGNC:7001]	chr15:3718	NM_00122	XM_00672	.	.		NP_00120	XP_006720	protein_co	ENSG0000	4212	7001
MEIS3	10.9716	11.0242	11.7326	11.032	10.5562	13.3836	Meis homeobox 3 [Source:HGNC Symbol;Acc:HGNC:29537]	chr19:4790	NM_00100	XM_01152	.	.		NP_00100	XP_011525	protein_co	ENSG0000	56917	29537
MELK	32.1652	33.4009	29.669	42.7513	44.9508	44.4653	maternal embryonic leucine zipper kinase [Source:HGNC Symbol;	chr9:36572	NM_00125	XM_01151	.	.		NP_00124	XP_011516	protein_co	ENSG0000	9833	16870
MELTF	16.7543	18.533	19.7073	12.2847	11.3541	11.3338	melanotransferrin [Source:HGNC Symbol;Acc:HGNC:7037]	chr3:19672	NM_00592	XM_01151	.	.		NP_00592	XP_006713	protein_co	ENSG0000	4241	7037
MEMO1	16.5707	17.3343	19.2914	20.6977	20.6386	19.7952	mediator of cell motility 1 [Source:HGNC Symbol;Acc:HGNC:1401	chr2:32090	NM_00113	XM_01700	NR_12603	.		NP_00113	XP_011531	protein_co	ENSG0000	51072	14014
MEN1	37.6726	38.1363	36.4781	34.9499	28.1681	28.6583	menin 1 [Source:HGNC Symbol;Acc:HGNC:7010]	chr11:6457	NM_00024	XM_01701	.	.		NP_00023	XP_005274	protein_co	ENSG0000	4221	7010
MEOX1	0.091461	0.101342	0.261112	0	0	0	mesenchyme homeobox 1 [Source:HGNC Symbol;Acc:HGNC:701	chr17:4217	NM_00104	.	.	.		NP_00103	.	protein_co	ENSG0000	4222	7013
MEOX2	0	0	0	0	0	0	mesenchyme homeobox 2 [Source:HGNC Symbol;Acc:HGNC:701	chr7:15650	NM_00592	.	.	.		NP_00591	.	protein_co	ENSG0000	4223	7014
MEP1A	0.023478	0	0	0.025972	0.026301	0	meprin A subunit alpha [Source:HGNC Symbol;Acc:HGNC:7015]	chr6:46761	NM_00558	XM_01151	.	.		NP_00557	XP_011512	protein_co	ENSG0000	4224	7015
MEP1B	0.029522	0	0	0.067055	0.032798	0.05818	meprin A subunit beta [Source:HGNC Symbol;Acc:HGNC:7020]	chr18:2976	NM_00130	XM_01152	.	.		NP_00129	XP_005258	protein_co	ENSG0000	4225	7020
MEPCE	29.4404	28.9169	24.6968	25.0436	21.9694	18.8886	methylphosphate capping enzyme [Source:HGNC Symbol;Acc:HG	chr7:10002	NM_00119	XM_01151	.	.		NP_00118	XP_011514	protein_co	ENSG0000	56257	20247
MEPE	0	0	0	0	0	0	matrix extracellular phosphoglycoprotein [Source:HGNC Symbol;	chr4:88742	NM_00118	XM_00671	.	.		NP_00117	XP_006714	protein_co	ENSG0000	56955	13361
MERTK	1.97449	2.27995	2.64693	1.55695	1.73851	1.75931	MER proto-oncogene, tyrosine kinase [Source:HGNC Symbol;Acc:	chr2:11265	NM_00634	XM_01151	.	.		NP_00633	XP_005263	protein_co	ENSG0000	10461	7027
MESDC1	12.073	13.9673	12.9677	16.7463	14.3743	17.7467	mesoderm development candidate 1 [Source:HGNC Symbol;Acc:	chr15:8129	NM_02256	.	.	.		NP_07208	.	protein_co	ENSG0000	59274	13519
MESDC2	22.7548	23.5619	17.9131	28.187	28.2273	24.1676	mesoderm development candidate 2 [Source:HGNC Symbol;Acc:	chr15:8107	NM_01515	.	.	.		NP_05596	.	protein_co	ENSG0000	23184	13520
MESP1	3.47453	4.04755	3.61643	4.36595	3.20479	3.29882	mesoderm posterior bHLH transcription factor 1 [Source:HGNC S	chr15:9029	NM_01867	.	.	.		NP_06114	.	protein_co	ENSG0000	55897	29658
MESP2	0.396967	0.287311	0.463388	0.31699	0.605817	0.55113	mesoderm posterior bHLH transcription factor 2 [Source:HGNC S	chr15:9030	NM_00103	.	.	.		NP_00103	.	protein_co	ENSG0000	145873	29659
MEST	21.2347	20.2568	24.5184	21.4881	24.7827	22.8676	mesoderm specific transcript [Source:HGNC Symbol;Acc:HGNC:7	chr7:13012	NM_00125	XM_01701	.	.		NP_00124	XP_011514	protein_co	ENSG0000	4232	7028
MET	66.8597	66.3951	70.4485	50.2749	62.5601	62.2119	MET proto-oncogene, receptor tyrosine kinase [Source:HGNC Sym	chr7:11631	NM_00024	XM_01151	.	.		NP_00023	XP_006716	protein_co	ENSG0000	4233	7029
METAP1	57.5324	57.5074	61.2758	54.3195	62.8078	67.5378	methionyl aminopeptidase 1 [Source:HGNC Symbol;Acc:HGNC:15	chr4:99916	NM_01514	XM_01700	.	.		NP_05595	XP_011530	protein_co	ENSG0000	23173	15789
METAP1D	8.30027	8.52286	7.16521	6.95231	8.13776	5.69663	methionyl aminopeptidase type 1D (mitochondrial) [Source:HGN	chr2:17286	NM_19922	XM_01151	.	.		NP_95469	.	protein_co	ENSG0000	254042	32583
METAP2	62.0465	58.9895	60.6929	64.5874	70.9738	67.4593	methionyl aminopeptidase 2 [Source:HGNC Symbol;Acc:HGNC:16	chr12:9586	NM_00683	XM_00526	.	.		NP_00130	XP_005268	protein_co	ENSG0000	10988	16672
METRN	68.6404	66.6014	77.4141	65.3828	45.801	48.9007	meteorin, glial cell differentiation regulator [Source:HGNC Symbo	chr16:7651	NM_02404	.	.	.		NP_07694	.	protein_co	ENSG0000	79006	14151
METRNL	41.5626	44.4864	40.5255	50.7307	44.3076	42.3693	meteorin like, glial cell differentiation regulator [Source:HGNC Sy	chr17:8103	NM_00100	.	.	.		NP_00100	XP_016880	protein_co	ENSG0000	284207	27584
METTL1	22.9191	22.8916	17.7254	22.6731	16.7535	14.9353	methyltransferase like 1 [Source:HGNC Symbol;Acc:HGNC:7030]	chr12:5816	NM_00537	.	.	.		NP_00536	.	protein_co	ENSG0000	4234	7030
METTL10	22.7159	20.0371	19.2137	22.1181	27.4371	26.9933	methyltransferase like 10 [Source:HGNC Symbol;Acc:HGNC:3378	chr10:1264	NM_00130	.	.	.		NP_00129	.	protein_co	ENSG0000	399818	33787
METTL11B	0	0	0	0	0	0	methyltransferase like 11B [Source:HGNC Symbol;Acc:HGNC:319	chr1:17011	NM_00113	.	.	.		NP_00112	.	protein_co	ENSG0000	149281	31932
METTL12	1.77443	2.52223	1.67454	2.92236	2.00044	1.99437	methyltransferase like 12 [Source:HGNC Symbol;Acc:HGNC:3311	chr11:6241	NM_00104	.	.	.		NP_00103	.	protein_co	ENSG0000	751071	33113
METTL13	18.4068	19.9002	18.6114	23.5235	20.2756	13.2628	methyltransferase like 13 [Source:HGNC Symbol;Acc:HGNC:2424	chr1:17175	NM_00100	XM_01150	.	.		NP_00100	.	protein_co	ENSG0000	51603	24248
METTL14	6.21155	5.72435	5.99646	6.31799	7.71145	7.7143	methyltransferase like 14 [Source:HGNC Symbol;Acc:HGNC:2933	chr4:11960	NM_02096	XM_00526	.	.		NP_06601	XP_005263	protein_co	ENSG0000	57721	29330
METTL15	7.62254	7.38074	8.92413	7.51575	8.74283	9.71221	methyltransferase like 15 [Source:HGNC Symbol;Acc:HGNC:2660	chr11:2804	NM_00111	XM_01701	.	.		NP_00110	XP_016872	protein_co	ENSG0000	196074	26606
METTL16	12.2107	13.1224	11.8386	13.2163	13.9213	10.5361	methyltransferase like 16 [Source:HGNC Symbol;Acc:HGNC:2848	chr17:2319	NM_02408	XM_00525	.	.		NP_07699	XP_005256	protein_co	ENSG0000	79066	28484
METTL17	43.6736	41.1596	39.4808	49.8654	41.218	31.3013	methyltransferase like 17 [Source:HGNC Symbol;Acc:HGNC:1928	chr14:2145	NM_00102	XM_01702	.	.		NP_00102	XP_006720	protein_co	ENSG0000	64745	19280
METTL18	4.94379	5.17539	4.24302	5.48026	5.89825	5.06204	methyltransferase like 18 [Source:HGNC Symbol;Acc:HGNC:2879	chr1:16976	NM_00132	XM_01151	.	.		NP_00130	XP_005245	protein_co	ENSG0000	92342	28793
METTL21A	16.4935	16.0228	18.4232	16.5378	18.8056	16.4556	methyltransferase like 21A [Source:HGNC Symbol;Acc:HGNC:304	chr2:20839	NM_00112	XM_01700	.	.		NP_00112	XP_005246	protein_co	ENSG0000	151194	30476

METTL21B	3.64932	4.07121	3.58374	3.72068	3.1483	3.00729	methyltransferase like 21B [Source:HGNC Symbol;Acc:HGNC:2493	chr12:5816	NM_01543	.	.	.	NP_05624	.	protein_co	ENSG0000	25895	24936
METTL21C	0	0	0	0	0	0	methyltransferase like 21C [Source:HGNC Symbol;Acc:HGNC:3371	chr13:1033	NM_00101	.	.	.	NP_00101	XP_016875	protein_co	ENSG0000	196541	33717
METTL22	5.07592	6.74107	6.04849	6.81613	6.10892	4.93029	methyltransferase like 22 [Source:HGNC Symbol;Acc:HGNC:28368	chr16:8715	NM_02410	XM_00525	.	.	NP_07701	XP_005255	protein_co	ENSG0000	79091	28368
METTL23	43.5882	46.1573	41.9262	45.5382	41.2214	48.8597	methyltransferase like 23 [Source:HGNC Symbol;Acc:HGNC:26988	chr17:7472	NM_00108	XM_01152	.	.	NP_00107	XP_006721	protein_co	ENSG0000	124512	26988
METTL24	0	0	0	0	0	0	methyltransferase like 24 [Source:HGNC Symbol;Acc:HGNC:21566	chr6:11050	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	728464	21566
METTL25	2.13996	1.96954	1.92124	1.49831	2.28434	1.53877	methyltransferase like 25 [Source:HGNC Symbol;Acc:HGNC:26228	chr12:8274	NM_03223	XM_01153	.	.	NP_11560	XP_011537	protein_co	ENSG0000	84190	26228
METTL2A	17.6577	20.8487	18.2086	23.0654	20.8989	16.9208	methyltransferase like 2A [Source:HGNC Symbol;Acc:HGNC:2575	chr17:6050	NM_18172	.	.	.	NP_85907	.	protein_co	ENSG0000	339175	25755
METTL2B	16.919	18.7096	16.9991	19.5103	19.7253	15.853	methyltransferase like 2B [Source:HGNC Symbol;Acc:HGNC:18272	chr7:12811	NM_01839	.	.	.	NP_06086	.	protein_co	ENSG0000	55798	18272
METTL3	32.3937	32.3932	38.5934	34.9482	32.8847	24.6431	methyltransferase like 3 [Source:HGNC Symbol;Acc:HGNC:17563]	chr14:2192	NM_01985	XM_01153	.	.	NP_06282	XP_006720	protein_co	ENSG0000	56339	17563
METTL4	4.00495	3.93514	4.15548	3.56517	4.90039	6.67815	methyltransferase like 4 [Source:HGNC Symbol;Acc:HGNC:24726]	chr18:2537	NM_00130	XM_00672	.	.	NP_00129	XP_006722	protein_co	ENSG0000	64863	24726
METTL5	56.2535	51.5324	53.0214	58.3776	59.4693	63.2564	methyltransferase like 5 [Source:HGNC Symbol;Acc:HGNC:25006]	chr2:17065	NM_00129	XM_01151	.	.	NP_00128	XP_011509	protein_co	ENSG0000	29081	25006
METTL6	10.1018	9.55895	9.74416	8.91853	9.71996	11.4451	methyltransferase like 6 [Source:HGNC Symbol;Acc:HGNC:28343]	chr3:15422	NM_00130	XM_00671	.	.	NP_00128	XP_005264	protein_co	ENSG0000	131965	28343
METTL7A	0.594554	0.65296	1.58539	1.20452	1.58325	1.70908	methyltransferase like 7A [Source:HGNC Symbol;Acc:HGNC:2455	chr12:5131	NM_01403	XM_00671	.	.	NP_05475	XP_006719	protein_co	ENSG0000	25840	24550
METTL7B	14.7679	13.3073	13.5199	10.0391	8.88161	8.18785	methyltransferase like 7B [Source:HGNC Symbol;Acc:HGNC:2827	chr12:5607	NM_15263	.	.	.	NP_68985	.	protein_co	ENSG0000	196410	28276
METTL8	5.82683	5.60213	7.01863	5.27698	5.80439	5.14714	methyltransferase like 8 [Source:HGNC Symbol;Acc:HGNC:25856]	chr2:17217	NM_02477	XM_01151	.	.	NP_00130	XP_006712	protein_co	ENSG0000	79828	25856
METTL9	21.0254	21.6888	23.1874	22.3939	24.522	21.3482	methyltransferase like 9 [Source:HGNC Symbol;Acc:HGNC:24586]	chr16:2161	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	51108	24586
MEX3A	4.73556	4.65028	5.15592	5.80474	6.02079	5.67608	mex-3 RNA binding family member A [Source:HGNC Symbol;Acc:H	chr1:15604	NM_00109	.	.	.	NP_00108	.	protein_co	ENSG0000	92312	33482
MEX3B	2.347	2.5314	1.79955	3.24549	3.35424	2.82451	mex-3 RNA binding family member B [Source:HGNC Symbol;Acc:H	chr15:8233	NM_03224	.	.	.	NP_11562	.	protein_co	ENSG0000	84206	25297
MEX3C	22.1786	24.0133	22.2038	28.0348	29.7853	34.4774	mex-3 RNA binding family member C [Source:HGNC Symbol;Acc:H	chr18:4870	NM_01662	.	.	.	NP_05771	.	protein_co	ENSG0000	51320	28040
MEX3D	36.6237	38.9132	32.6319	50.8238	55.2269	51.1337	mex-3 RNA binding family member D [Source:HGNC Symbol;Acc:H	chr19:1554	NM_00117	XM_01699	.	.	NP_00116	XP_016855	protein_co	ENSG0000	399664	16734
MFAP1	30.8544	28.3634	26.4226	31.8194	29.6816	28.4252	microfibrillar associated protein 1 [Source:HGNC Symbol;Acc:HGN	chr15:4409	NM_00592	.	.	.	NP_00591	.	protein_co	ENSG0000	4236	7032
MFAP2	31.2189	30.4439	33.1362	41.0554	30.8705	35.0159	microfibrillar associated protein 2 [Source:HGNC Symbol;Acc:HGN	chr1:17300	NM_00113	XM_01154	.	.	NP_00112	XP_011539	protein_co	ENSG0000	4237	7033
MFAP3	12.054	12.8788	9.15327	10.9481	11.5075	13.2345	microfibrillar associated protein 3 [Source:HGNC Symbol;Acc:HGN	chr5:15341	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	4238	7034
MFAP3L	4.15426	4.32465	4.7764	4.16361	4.22135	4.65571	microfibrillar associated protein 3 like [Source:HGNC Symbol;Acc:	chr4:17090	NM_00100	XM_01700	NR_12589	.	NP_00100	XP_005263	protein_co	ENSG0000	9848	29083
MFAP4	0.045071	0	0	0	0	0	microfibrillar associated protein 4 [Source:HGNC Symbol;Acc:HGN	chr17:1924	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	4239	7035
MFAP5	0	0	0	0	0	0	microfibrillar associated protein 5 [Source:HGNC Symbol;Acc:HGN	chr12:8798	NM_00129	.	.	.	NP_00128	.	protein_co	ENSG0000	8076	29673
MFF	45.6024	46.5978	40.8882	47.6214	44.8298	40.9444	mitochondrial fission factor [Source:HGNC Symbol;Acc:HGNC:248	chr2:22818	NM_00127	XM_01151	.	.	NP_00126	XP_005246	protein_co	ENSG0000	56947	24858
MFGE8	19.515	21.058	27.114	24.9086	24.3997	29.4071	milk fat globule-EGF factor 8 protein [Source:HGNC Symbol;Acc:H	chr15:8944	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	4240	7036
MFHAS1	11.3013	11.3859	12.4514	10.5921	12.9103	13.3849	malignant fibrous histiocytoma amplified sequence 1 [Source:HG	chr8:86408	NM_00422	.	.	.	NP_00421	XP_011542	protein_co	ENSG0000	9258	16982
MFN1	15.9421	14.4315	18.7343	15.2807	18.2913	18.152	mitofusin 1 [Source:HGNC Symbol;Acc:HGNC:18262]	chr3:17906	NM_03354	XM_01151	.	.	NP_28494	XP_005247	protein_co	ENSG0000	55669	18262
MFN2	37.9145	39.3106	37.1809	43.5019	41.6608	34.9939	mitofusin 2 [Source:HGNC Symbol;Acc:HGNC:16877]	chr1:12040	NM_00112	XM_00526	.	.	NP_00112	XP_005263	protein_co	ENSG0000	9927	16877
MFNG	0.849826	0.956523	1.38422	1.32731	1.13764	0.938733	MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	chr22:3786	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	4242	7038
MFRP	0	0	0	0	0	0	membrane frizzled-related protein [Source:HGNC Symbol;Acc:HG	chr11:1192	NM_03143	.	.	.	NP_11362	.	protein_co	ENSG0000	83552	18121
MFSD1	12.2246	13.9666	12.4816	11.7736	13.2858	9.30652	major facilitator superfamily domain containing 1 [Source:HGNC S	chr3:15851	NM_00116	XM_00671	.	.	NP_00116	XP_006713	protein_co	ENSG0000	64747	25874
MFSD10	53.4724	53.7496	66.1856	47.4836	43.2846	48.4564	major facilitator superfamily domain containing 10 [Source:HGNC	chr4:29322	NM_00112	XM_00524	.	.	NP_00111	XP_005247	protein_co	ENSG0000	10227	16894
MFSD11	10.1653	9.41401	10.5117	9.47551	11.3355	13.3368	major facilitator superfamily domain containing 11 [Source:HGNC	chr17:7472	NM_00124	XM_01152	.	.	NP_00122	XP_011523	protein_co	ENSG0000	79157	25458
MFSD12	36.886	40.2957	35.1584	33.5006	32.258	28.425	major facilitator superfamily domain containing 12 [Source:HGNC	chr19:3539	NM_00128	.	.	.	NP_00127	XP_011525	protein_co	ENSG0000	126321	28299
MFSD13A	28.7475	31.3409	27.5793	32.8156	27.5109	21.3775	major facilitator superfamily domain containing 13A [Source:HGN	chr10:1042	NM_02478	XM_01154	.	.	NP_07906	XP_006718	protein_co	ENSG0000	79847	26196
MFSD14A	15.4952	16.3605	12.5152	16.2921	15.9472	16.4172	major facilitator superfamily domain containing 14A [Source:HGN	chr1:10050	NM_03305	XM_01154	.	.	NP_14904	XP_005271	protein_co	ENSG0000	64645	23363
MFSD14B	37.8714	36.6278	31.1523	40.6492	39.0361	38.3716	major facilitator superfamily domain containing 14B [Source:HGN	chr9:97136	NM_03255	XM_01151	.	.	NP_11594	XP_006717	protein_co	ENSG0000	84641	23376
MFSD14C	7.50802	7.78832	6.21446	3.2258	3.45497	2.73306	major facilitator superfamily domain containing 14C [Source:HGN	chr9:99705	.	.	.	.	.	.	protein_co	ENSG0000	.	23672
MFSD2A	5.18942	5.92778	5.7849	9.6233	8.3017	5.31471	major facilitator superfamily domain containing 2A [Source:HGNC	chr1:40420	NM_00113	XM_01154	NR_10989	.	NP_00112	XP_005271	protein_co	ENSG0000	84879	25897
MFSD2B	0.067241	0	0	0.036222	0	0.147718	major facilitator superfamily domain containing 2B [Source:HGNC	chr2:24232	NM_00108	XM_00526	.	.	NP_00107	XP_005264	protein_co	ENSG0000	388931	37207
MFSD3	27.151	29.3155	35.9893	23.4409	15.115	23.4242	major facilitator superfamily domain containing 3 [Source:HGNC S	chr8:14573	NM_13843	XM_01151	.	.	NP_61244	XP_011515	protein_co	ENSG0000	113655	25157
MFSD4A	0.643961	0.715544	1.07935	1.25413	1.52052	1.37404	major facilitator superfamily domain containing 4A [Source:HGNC	chr1:20553	NM_18164	XM_01150	.	.	NP_85759	XP_011507	protein_co	ENSG0000	148808	25433
MFSD4B	1.71027	1.83797	1.94987	1.57538	1.72993	1.65115	major facilitator superfamily domain containing 4B [Source:HGNC	chr6:11158	NM_15336	.	.	.	NP_69920	.	protein_co	ENSG0000	91749	21053
MFSD5	26.0574	24.9005	20.4315	25.9095	21.5806	13.6591	major facilitator superfamily domain containing 5 [Source:HGNC S	chr12:5364	NM_00117	XM_00526	.	.	NP_00116	XP_005269	protein_co	ENSG0000	84975	28156
MFSD6	7.2602	7.82014	7.23135	6.34749	6.67335	8.12309	major facilitator superfamily domain containing 6 [Source:HGNC S	chr2:19127	NM_01769	XM_01151	.	.	NP_06016	XP_005246	protein_co	ENSG0000	54842	24711
MFSD6L	0	0	0	0	0	0	major facilitator superfamily domain containing 6 like [Source:HG	chr17:8700	NM_15259	.	.	.	NP_68981	.	protein_co	ENSG0000	162387	26656
MFSD7	1.55357	1.19374	1.71701	1.38837	1.23654	1.4897	major facilitator superfamily domain containing 7 [Source:HGNC S	chr4:66622	NM_00129	XM_01151	.	.	NP_00128	XP_005272	protein_co	ENSG0000	84179	26177
MFSD8	5.86806	6.00246	6.15177	3.72733	5.44435	5.29011	major facilitator superfamily domain containing 8 [Source:HGNC S	chr4:12883	NM_15277	XM_01153	.	.	NP_68999	XP_005262	protein_co	ENSG0000	256471	28486
MFSD9	4.44517	4.66381	4.47444	4.81735	4.62398	4.92967	major facilitator superfamily domain containing 9 [Source:HGNC S	chr2:10333	NM_03271	XM_01151	.	.	NP_11610	.	protein_co	ENSG0000	84804	28158
MGA	8.70047	8.3824	9.40471	5.83598	8.00914	7.7143	MGA, MAX dimerization protein [Source:HGNC Symbol;Acc:HGNC	chr15:4195	NM_00108	XM_01152	.	.	NP_00107	XP_005254	protein_co	ENSG0000	23269	14010
MGAM	0.092048	0.137171	0.061362	0.033779	0.015975	0.02173	maltase-glucoamylase [Source:HGNC Symbol;Acc:HGNC:7043]	chr7:14169	NM_00466	XM_01701	.	.	NP_00465	XP_006716	protein_co	ENSG0000	8972	7043
MGAM2	0.036881	0.048573	0.047872	0	0.010332	0.009283	maltase-glucoamylase 2 (putative) [Source:HGNC Symbol;Acc:HG	chr7:14181	NM_00129	XM_01151	.	.	NP_00128	XP_011514	protein_co	ENSG0000	93432	28101
MGARP	0.11655	0.121433	0.100884	0.130424	0.456916	0.177398	mitochondria localized glutamic acid rich protein [Source:HGNC S	chr4:14018	NM_03262	.	.	.	NP_11601	.	protein_co	ENSG0000	84709	29969
MGAT1	33.0438	34.3444	28.8583	34.9712	30.9647	29.2	mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminy	chr5:18021	NM_00111	XM_01700	.	.	NP_00110	XP_005265	protein_co	ENSG0000	4245	7044
MGAT2	19.7037	22.3928	17.3341	25.2687	23.511	18.4802	mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-acetylglucosaminy	chr14:5008	NM_00240	.	.	.	NP_00239	.	protein_co	ENSG0000	4247	7045
MGAT3	0	0	0.014047	0	0.018942	0	mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyl	chr22:3985	NM_00109	XM_01153	.	.	NP_00109	XP_005261	protein_co	ENSG0000	4248	7046

MGAT4A	1.60067	1.5533	2.413	2.78306	2.15446	2.69482	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminy	chr2:99235	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000(	11320	7047
MGAT4B	64.5575	71.9222	60.5544	61.8661	50.7979	51.9656	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminy	chr5:17922	NM_01427	.	.	.	NP_05509(	XP_016864	protein_co	ENSG0000(	11282	7048
MGAT4C	0.040353	0	0	0	0	0	MGAT4 family member C [Source:HGNC Symbol;Acc:HGNC:30871	chr12:8634	NM_01324	XM_01153	.	.	NP_03737(	XP_005268	protein_co	ENSG0000(	25834	30871
MGAT4D	0	0.067045	0	0	0	0	MGAT4 family member D [Source:HGNC Symbol;Acc:HGNC:43619	chr4:14136	NM_00127	XM_01153	.	.	NP_00126	XP_011529	protein_co	ENSG0000(	152586	43619
MGAT5	9.72812	10.0927	10.6255	10.2667	10.3973	10.5932	mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosamin	chr2:13487	NM_00241	XM_01700	.	.	NP_00240	XP_005263	protein_co	ENSG0000(	4249	7049
MGAT5B	2.51352	2.2764	2.10228	1.76325	2.08173	1.58579	mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosamin	chr17:7486	NM_00119	XM_01152	.	.	NP_00118(	XP_006721	protein_co	ENSG0000(	146664	24140
MGC4771	0	0	0	0	0	0	.	chr2:23257	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
MGEA5	61.3426	59.4914	56.944	44.0045	58.4259	79.8013	meningioma expressed antigen 5 (hyaluronidase) [Source:HGNC S	chr10:1035	NM_00114	XM_01153	.	.	NP_00113	.	protein_co	ENSG0000(	10724	7056
MGLL	2.93792	3.32759	2.84025	2.87504	2.32379	2.0784	monoglyceride lipase [Source:HGNC Symbol;Acc:HGNC:17038]	chr3:12740	NM_00100	XM_01151	.	.	NP_00100	XP_011510	protein_co	ENSG0000(	11343	17038
MGME1	32.0878	30.6596	27.7845	30.5565	30.1964	27.3921	mitochondrial genome maintenance exonuclease 1 [Source:HGN(	chr20:1792	NM_05286	XM_01152	.	.	NP_00129	XP_005260	protein_co	ENSG0000(	92667	16205
MGMT	9.94554	10.3396	12.3621	11.5953	7.58895	8.722	O-6-methylguanine-DNA methyltransferase [Source:HGNC Symbo	chr10:1312	NM_00241	.	.	.	NP_00240	.	protein_co	ENSG0000(	4255	7059
MGP	0	0	0	0	0	0.267037	matrix Gla protein [Source:HGNC Symbol;Acc:HGNC:7060]	chr12:1503	NM_00090	.	.	.	NP_00089	.	protein_co	ENSG0000(	4256	7060
MGRN1	13.9882	15.7439	15.4081	14.2958	13.6639	11.3985	mahogunin ring finger 1 [Source:HGNC Symbol;Acc:HGNC:20254]	chr16:4674	NM_00114	XM_01152	.	.	NP_00113	XP_005255	protein_co	ENSG0000(	23295	20254
MGST1	116.624	118.668	110.043	120.269	126.985	125.154	microsomal glutathione S-transferase 1 [Source:HGNC Symbol;Ac	chr12:1650	NM_00126	.	.	.	NP_00124	.	protein_co	ENSG0000(	4257	7061
MGST2	27.4778	28.18	29.1058	27.3016	25.0704	24.8854	microsomal glutathione S-transferase 2 [Source:HGNC Symbol;Ac	chr4:14058	NM_00120	.	.	.	NP_00119	XP_016863	protein_co	ENSG0000(	4258	7063
MGST3	81.708	74.2658	86.9108	96.0998	78.7877	90.4228	microsomal glutathione S-transferase 3 [Source:HGNC Symbol;Ac	chr1:16560	NM_00452	XM_00524	.	.	NP_00451	XP_005245	protein_co	ENSG0000(	4259	7064
MIA	0.266314	1.54652	1.01707	0.863623	1.04935	0.236252	melanoma inhibitory activity [Source:HGNC Symbol;Acc:HGNC:70	chr19:4128	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000(	8190	7076
MIA2	1.67E-57	2.73E-44	2.4E-76	3.47E-30	8.2E-137	0.061593	melanoma inhibitory activity 2 [Source:HGNC Symbol;Acc:HGNC:	chr14:3970	NM_05402	.	.	.	NP_47336	.	protein_co	ENSG0000(	117153	18432
MIA3	9.66532	10.2698	9.94048	10.3676	11.1944	12.1377	MIA family member 3, ER export factor [Source:HGNC Symbol;Ac	chr1:22279	NM_00130	XM_00671	.	.	NP_00128	XP_006711	protein_co	ENSG0000(	375056	24008
MIB1	9.34149	10.0764	12.8429	8.53629	11.0275	17.2851	mindbomb E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;Ac	chr18:1932	NM_02077	.	.	.	NP_06582	.	protein_co	ENSG0000(	57534	21086
MIB2	14.771	17.3316	18.1628	16.006	11.6457	14.1517	mindbomb E3 ubiquitin protein ligase 2 [Source:HGNC Symbol;Ac	chr1:15507	NM_00117	XM_01154	.	.	NP_00116	XP_006710	protein_co	ENSG0000(	142678	30577
MICA	23.167	23.2751	21.3554	31.3267	27.8354	20.077	MHC class I polypeptide-related sequence A [Source:HGNC Symb	chr6:31367	NM_00024	.	.	.	NP_00117(	.	protein_co	ENSG0000(	100507436	7090
MICAL1	7.33154	6.70727	10.28	8.3095	6.19086	8.50813	microtubule associated monooxygenase, calponin and LIM doma	chr6:10976	NM_00115	.	.	.	NP_00115	.	protein_co	ENSG0000(	64780	20619
MICAL2	8.10051	9.42442	6.43368	9.13698	9.93586	8.94486	microtubule associated monooxygenase, calponin and LIM doma	chr11:1213	NM_00128	XM_01701	.	.	NP_00126	XP_005253	protein_co	ENSG0000(	9645	24693
MICAL3	5.25992	5.51679	5.88951	5.2971	5.33792	4.93861	microtubule associated monooxygenase, calponin and LIM doma	chr22:1827	NM_00112	XM_01154	.	.	NP_00111(	XP_005261	protein_co	ENSG0000(	57553	24694
MICALCL	0.672158	0.688268	1.1548	1.05933	0.937576	1.34209	MICAL C-terminal like [Source:HGNC Symbol;Acc:HGNC:25933]	chr11:1230	NM_03286	.	.	.	NP_11625(	.	protein_co	ENSG0000(	84953	25933
MICALL1	7.72886	7.79645	7.75737	7.48258	7.04529	8.00816	MICAL like 1 [Source:HGNC Symbol;Acc:HGNC:29804]	chr22:3830	NM_03338	XM_01153	.	.	NP_20374	XP_005261	protein_co	ENSG0000(	85377	29804
MICALL2	9.0752	9.28646	11.6816	7.44138	6.73918	6.02916	MICAL like 2 [Source:HGNC Symbol;Acc:HGNC:29672]	chr7:14740	NM_18292	XM_01151	.	.	NP_89155	XP_011513	protein_co	ENSG0000(	79778	29672
MICB	23.5265	23.6819	17.5999	26.4342	24.6753	20.9586	MHC class I polypeptide-related sequence B [Source:HGNC Symb	chr6:31462	NM_00128	XM_01151	.	.	NP_00127(	XP_011512	protein_co	ENSG0000(	4277	7091
MICU1	17.4277	17.7461	18.3149	19.9687	18.1943	21.5183	mitochondrial calcium uptake 1 [Source:HGNC Symbol;Acc:HGNC	chr10:7412	NM_00119	XM_01153	.	.	NP_00118	XP_005269	protein_co	ENSG0000(	10367	1530
MICU2	24.6397	19.8339	24.2315	25.4267	31.3291	35.2448	mitochondrial calcium uptake 2 [Source:HGNC Symbol;Acc:HGNC	chr13:2206	NM_15272	.	.	.	NP_68993	.	protein_co	ENSG0000(	221154	31830
MICU3	0	0.056906	0	0	0	0	mitochondrial calcium uptake family member 3 [Source:HGNC Sy	chr8:16884	NM_18172	XM_01154	.	.	NP_85907	XP_005273	protein_co	ENSG0000(	286097	27820
MID1	19.6717	20.6274	20.1448	21.0517	22.5005	20.8359	midline 1 [Source:HGNC Symbol;Acc:HGNC:7095]	chrX:10413	NM_00038	XM_01702	.	.	NP_00037	XP_005274	protein_co	ENSG0000(	4281	7095
MID1IP1	62.1974	60.5911	63.0741	56.5198	51.4029	72.7791	MID1 interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:2071	chrX:38660	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000(	58526	20715
MID2	1.60887	2.27905	2.46617	1.434	1.31009	1.97533	midline 2 [Source:HGNC Symbol;Acc:HGNC:7096]	chrX:10706	NM_01221	XM_00526	.	.	NP_03634	XP_005262	protein_co	ENSG0000(	11043	7096
MIDN	36.3592	39.8368	31.9642	32.3351	33.9039	36.0734	midnolin [Source:HGNC Symbol;Acc:HGNC:16298]	chr19:1248	NM_17740	XM_00525	.	.	NP_79637	XP_005259	protein_co	ENSG0000(	90007	16298
MIEF1	32.3741	26.9633	24.0574	23.4457	34.0081	20.9074	mitochondrial elongation factor 1 [Source:HGNC Symbol;Acc:HGN	chr22:3989	NM_00130	XM_01153	.	.	NP_00129	XP_011528	protein_co	ENSG0000(	54471	25979
MIEF2	8.08731	8.13599	7.39734	8.34379	6.67173	5.77214	mitochondrial elongation factor 2 [Source:HGNC Symbol;Acc:HGN	chr17:1816	NM_00114	.	.	.	NP_00113	XP_016879	protein_co	ENSG0000(	125170	17920
MIEN1	54.7145	49.8466	55.1003	63.5495	47.5335	51.647	migration and invasion enhancer 1 [Source:HGNC Symbol;Acc:HG	chr17:3788	NM_03233	XM_00525	.	.	NP_11571	XP_005257	protein_co	ENSG0000(	84299	28230
MIER1	8.67636	8.75294	9.76801	8.49218	11.4499	12.3988	MIER1 transcriptional regulator [Source:HGNC Symbol;Acc:HGNC	chr1:67390	NM_00107	XM_01700	.	.	NP_00107	XP_005271	protein_co	ENSG0000(	57708	29657
MIER2	3.31818	3.22864	3.14437	3.71706	3.00684	2.69154	MIER family member 2 [Source:HGNC Symbol;Acc:HGNC:29210]	chr19:3014	NM_01755	XM_01152	.	.	NP_06002(	XP_005259	protein_co	ENSG0000(	54531	29210
MIER3	7.65404	7.89435	6.9162	8.18077	8.61258	8.4077	MIER family member 3 [Source:HGNC Symbol;Acc:HGNC:26678]	chr5:56205	NM_00129	XM_01700	.	.	NP_00128	XP_011541	protein_co	ENSG0000(	166968	26678
MIF	854.772	845.891	791.445	1093.44	776.057	832.593	macrophage migration inhibitory factor (glycosylation-inhibiting f	chr22:2419	NM_00241	.	.	.	NP_00240(	.	protein_co	ENSG0000(	4282	7097
MIF4GD	19.9278	20.5872	19.1212	17.6977	17.3131	17.2818	MIF4G domain containing [Source:HGNC Symbol;Acc:HGNC:2403	chr17:7323	NM_00124	XM_01152	.	.	NP_00122	XP_005257	protein_co	ENSG0000(	57409	24030
MIIP	22.1355	21.022	19.0342	32.1255	24.8368	19.4413	migration and invasion inhibitory protein [Source:HGNC Symbol;A	chr1:12079	NM_02193	XM_01154	.	.	NP_06875	XP_005263	protein_co	ENSG0000(	60672	25715
MILR1	0.59447	0.459886	0.513124	0.163547	0.166767	0.30787	mast cell immunoglobulin like receptor 1 [Source:HGNC Symbol;A	chr17:6246	NM_00108	XM_01152	.	.	NP_00107	.	protein_co	ENSG0000(	284021	27570
MINA	25.2138	23.8644	22.5041	25.7411	24.2471	20.4778	MYC induced nuclear antigen [Source:HGNC Symbol;Acc:HGNC:1	chr3:97540	NM_00104	XM_00524	.	.	NP_00103	XP_005247	protein_co	ENSG0000(	84864	19441
MINK1	17.8459	20.2577	23.9618	17.1764	17.2152	16.9579	misshapen like kinase 1 [Source:HGNC Symbol;Acc:HGNC:17565]	chr17:4736	NM_00102	XM_01152	.	.	NP_00102(	XP_006721	protein_co	ENSG0000(	50488	17565
MINOS1	10.3254	9.14565	10.3535	11.5449	10.6839	11.4471	mitochondrial inner membrane organizing system 1 [Source:HGN	chr1:19923	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000(	440574	32068
MINOS1-NBL1	0.344302	0.000232	1.28543	0.001937	0.93937	1.07E-08	MINOS1-NBL1 readthrough [Source:HGNC Symbol;Acc:HGNC:483	chr1:19923	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000(	100532736	48338
MINPP1	15.0691	16.406	17.7691	16.2989	17.7968	18.1455	multiple inositol-polyphosphate phosphatase 1 [Source:HGNC Sy	chr10:8926	NM_00117	XM_01154	.	.	NP_00117	XP_011538	protein_co	ENSG0000(	9562	7102
MIOS	9.07656	9.18634	8.19611	7.85312	10.9042	9.33828	meiosis regulator for oocyte development [Source:HGNC Symbol;	chr7:76065	NM_01900	XM_00524	.	.	NP_06187	XP_005249	protein_co	ENSG0000(	54468	21905
MIOX	0.157915	0.077986	0.121508	0.149627	0	0.234386	myo-inositol oxygenase [Source:HGNC Symbol;Acc:HGNC:14522]	chr22:5092	NM_01758	XM_00526	.	.	NP_06005	XP_005261	protein_co	ENSG0000(	55586	14522
MIP	0	0	0	0	0	0.031834	major intrinsic protein of lens fiber [Source:HGNC Symbol;Acc:HG	chr12:5684	NM_01206	.	.	.	NP_03619(	.	protein_co	ENSG0000(	4284	7103
MIPEP	11.5232	12.5999	14.1825	16.2531	14.5485	12.4957	mitochondrial intermediate peptidase [Source:HGNC Symbol;Acc	chr13:2430	NM_00593	XM_01153	.	.	NP_00592	XP_011533	protein_co	ENSG0000(	4285	7104
MIPOL1	2.71961	3.0213	3.19178	2.08764	3.15597	3.50686	mirror-image polydactyly 1 [Source:HGNC Symbol;Acc:HGNC:214	chr14:3766	NM_00119	XM_01153	.	.	NP_00118	XP_016876	protein_co	ENSG0000(	145282	21460
MIR1199	4.95108	2.012	3.9015	2.8098	2.61469	1.21685	MISP family member 3 [Source:HGNC Symbol;Acc:HGNC:26963]	chr19:1418	NM_00129	.	NR_10671	.	NP_00127	.	protein_co	ENSG0000(	102466515	26963
MIS12	15.4223	15.2264	13.764	14.0154	17.1473	14.2141	MIS12, kinetochore complex component [Source:HGNC Symbol;A	chr17:5389	NM_00125	XM_00525	.	.	NP_00124	XP_005256	protein_co	ENSG0000(	79003	24967
MIS18A	25.664	25.3945	22.0663	26.679	28.0009	24.4159	MIS18 kinetochore protein A [Source:HGNC Symbol;Acc:HGNC:12	chr21:3364	NM_01894	.	.	.	NP_06181	.	protein_co	ENSG0000(	54069	1286

MIS18BP1	6.87355	7.32287	6.26053	7.11931	10.2913	8.00289	MIS18 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:20190]	chr14:4567	NM_01835	XM_01702	.	.	NP_06082	XP_005267	protein_co	ENSG0000	55320	20190
MISP	16.1732	17.1616	10.0093	22.5473	20.7483	15.0845	mitotic spindle positioning [Source:HGNC Symbol;Acc:HGNC:2700	chr19:7511	NM_17348	XM_01152	.	.	NP_77575	XP_011525	protein_co	ENSG0000	126353	27000
MITD1	15.4016	14.1747	14.8632	11.3589	11.0377	12.1194	microtubule interacting and trafficking domain containing 1 [Sour	chr2:99771	NM_13879	.	.	.	NP_62015	.	protein_co	ENSG0000	129531	25207
MITF	0.790383	1.08981	0.877417	0.817399	0.806901	1.05648	melanogenesis associated transcription factor [Source:HGNC Sym	chr3:69788	NM_00024	XM_01700	.	.	NP_00023	XP_005264	protein_co	ENSG0000	4286	7105
MIXL1	0	0	0	0	0	0	Mix paired-like homeobox [Source:HGNC Symbol;Acc:HGNC:1336	chr1:22641	NM_00128	XM_01154	.	.	NP_00126	.	protein_co	ENSG0000	83881	13363
MKI67	42.7218	45.7084	42.6065	55.9646	60.2716	49.9869	marker of proliferation Ki-67 [Source:HGNC Symbol;Acc:HGNC:71	chr10:1298	NM_00114	XM_01153	.	.	NP_00113	XP_011538	protein_co	ENSG0000	4288	7107
MKKS	36.8278	32.0635	37.0207	30.9562	31.0364	42.3505	McKusick-Kaufman syndrome [Source:HGNC Symbol;Acc:HGNC:7	chr20:1038	NM_01884	.	.	.	NP_06133	.	protein_co	ENSG0000	8195	7108
MKL1	6.21867	7.13374	6.51382	6.16999	6.32961	7.50009	megakaryoblastic leukemia (translocation) 1 [Source:HGNC Symb	chr22:4076	NM_00128	XM_01153	.	.	NP_00126	XP_005261	protein_co	ENSG0000	57591	14334
MKL2	8.77232	9.21642	9.02092	7.8422	9.90974	9.70089	MKL1/myocardin like 2 [Source:HGNC Symbol;Acc:HGNC:29819]	chr16:1416	NM_00130	XM_01702	.	.	NP_00129	XP_005255	protein_co	ENSG0000	57496	29819
MKLN1	9.67448	10.054	11.0235	9.63168	12.7004	14.0826	muskelin 1 [Source:HGNC Symbol;Acc:HGNC:7109]	chr7:13079	NM_00114	XM_00671	.	.	NP_00113	XP_006716	protein_co	ENSG0000	4289	7109
MKNK1	11.0115	11.4666	11.9652	13.4563	12.1486	11.0826	MAP kinase interacting serine/threonine kinase 1 [Source:HGNC S	chr1:47023	NM_00113	XM_01154	.	.	NP_00112	XP_006711	protein_co	ENSG0000	8569	7110
MKNK2	52.4924	47.0771	58.8184	47.7732	43.4579	60.0236	MAP kinase interacting serine/threonine kinase 2 [Source:HGNC S	chr19:2037	NM_01757	.	.	.	NP_06004	.	protein_co	ENSG0000	2872	7111
MKRN1	36.9087	35.0533	42.5095	33.3413	39.0791	43.4299	makorin ring finger protein 1 [Source:HGNC Symbol;Acc:HGNC:71	chr7:14015	NM_00114	XM_01151	.	.	NP_00113	XP_011514	protein_co	ENSG0000	23608	7112
MKRN2	22.8654	23.2509	21.358	24.6375	25.9104	21.8361	makorin ring finger protein 2 [Source:HGNC Symbol;Acc:HGNC:71	chr3:12598	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	23609	7113
MKRN2OS	0.228447	0.233968	0.132413	0	0	0	MKRN2 opposite strand [Source:HGNC Symbol;Acc:HGNC:40375]	chr3:12581	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100129480	40375
MKRN3	5.49036	5.98089	4.42136	9.08691	6.47158	3.65493	makorin ring finger protein 3 [Source:HGNC Symbol;Acc:HGNC:71	chr15:2381	NM_00566	.	.	.	NP_00565	.	protein_co	ENSG0000	7681	7114
MKS1	11.7688	13.0416	11.5702	11.697	11.985	10.0059	Meckel syndrome, type 1 [Source:HGNC Symbol;Acc:HGNC:7121]	chr17:5628	NM_00116	XM_01702	.	.	NP_00115	XP_005257	protein_co	ENSG0000	54903	7121
MKX	8.34495	9.05881	8.12988	7.1794	8.91832	9.74574	mohawk homeobox [Source:HGNC Symbol;Acc:HGNC:23729]	chr10:2796	NM_00124	XM_01701	.	.	NP_00122	XP_006717	protein_co	ENSG0000	283078	23729
MLANA	0	0	0	0	0	0	melan-A [Source:HGNC Symbol;Acc:HGNC:7124]	chr9:58908	NM_00551	.	.	.	NP_00550	.	protein_co	ENSG0000	2315	7124
MLC1	0.023672	0.047301	0.040515	0	0.027304	0	megalencephalic leukoencephalopathy with subcortical cysts 1 [S	chr22:5049	NM_01516	XM_01702	.	.	NP_05598	XP_011528	protein_co	ENSG0000	23209	17082
MLEC	98.1302	99.1928	90.7767	108.396	108.143	85.8632	malectin [Source:HGNC Symbol;Acc:HGNC:28973]	chr12:1211	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	9761	28973
MLF1	20.7824	21.419	25.1563	24.0928	22.9164	30.0407	myeloid leukemia factor 1 [Source:HGNC Symbol;Acc:HGNC:7125	chr3:15828	NM_00113	XM_01151	.	.	NP_00112	XP_005247	protein_co	ENSG0000	4291	7125
MLF2	230.268	220.931	216.73	256.862	224.563	221.145	myeloid leukemia factor 2 [Source:HGNC Symbol;Acc:HGNC:7126	chr12:6857	NM_00543	.	.	.	NP_00543	.	protein_co	ENSG0000	8079	7126
MLH1	4.37425	4.39428	3.25214	3.66479	3.78681	3.71229	mutL homolog 1 [Source:HGNC Symbol;Acc:HGNC:7127]	chr3:37034	NM_00024	XM_01153	.	.	NP_00024	XP_005265	protein_co	ENSG0000	4292	7127
MLH3	4.3548	3.36759	4.52722	3.10384	3.90132	3.50631	mutL homolog 3 [Source:HGNC Symbol;Acc:HGNC:7128]	chr14:7548	NM_00104	XM_01702	.	.	NP_00103	XP_005267	protein_co	ENSG0000	27030	7128
MLIP	0	0.079836	0	0	0	0	muscular LMNA-interacting protein [Source:HGNC Symbol;Acc:H	chr6:53883	NM_00128	XM_00671	.	.	NP_00126	XP_005249	protein_co	ENSG0000	90523	21355
MLKL	6.0541	6.76248	5.16866	6.41228	6.33175	3.77361	mixed lineage kinase domain like [Source:HGNC Symbol;Acc:HGN	chr16:7470	NM_00114	XM_00525	.	.	NP_00113	XP_005255	protein_co	ENSG0000	197259	26617
MLLT1	22.1743	23.6081	21.3003	25.2231	24.7416	20.5355	MLLT1, super elongation complex subunit [Source:HGNC Symbol;	chr19:6210	NM_00593	XM_01152	.	.	NP_00592	XP_011526	protein_co	ENSG0000	4298	7134
MLLT10	12.8164	12.3672	12.5309	11.8768	14.5192	15.4907	myeloid/lymphoid or mixed-lineage leukemia; translocated to, 10	chr10:2180	NM_00119	XM_01151	.	.	NP_00118	XP_005252	protein_co	ENSG0000	8028	16063
MLLT11	0.18839	0.157155	0.194695	0.207407	0.312128	0.215149	myeloid/lymphoid or mixed-lineage leukemia; translocated to, 11	chr1:15102	NM_00681	.	.	.	NP_00680	.	protein_co	ENSG0000	10962	16997
MLLT3	2.17052	3.49936	3.55154	2.6047	2.86447	3.40318	MLLT3, super elongation complex subunit [Source:HGNC Symbol;	chr9:20341	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	4300	7136
MLLT4	11.3592	10.5833	12.3048	9.99242	10.6418	12.9328	afadin, adherens junction formation factor [Source:HGNC Symbo	chr6:16822	NM_00104	XM_01153	.	.	NP_00103	XP_005267	protein_co	ENSG0000	4301	7137
MLLT6	20.1069	21.4138	20.6014	23.4914	24.5721	23.3958	MLLT6, PHD finger domain containing [Source:HGNC Symbol;Acc:	chr17:3686	NM_00593	XM_01702	.	.	NP_00592	XP_006721	protein_co	ENSG0000	4302	7138
MLN	0	0	0	0	0	0	motilin [Source:HGNC Symbol;Acc:HGNC:7141]	chr6:33762	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	4295	7141
MLNR	0	0	0	0	0	0.314744	motilin receptor [Source:HGNC Symbol;Acc:HGNC:4495]	chr13:4979	NM_00150	.	.	.	NP_00149	.	protein_co	ENSG0000	2862	4495
MLPH	18.3588	17.0817	31.2672	23.8903	20.7385	21.519	melanophilin [Source:HGNC Symbol;Acc:HGNC:29643]	chr2:23839	NM_00104	XM_01151	.	.	NP_00103	XP_006712	protein_co	ENSG0000	79083	29643
MLST8	35.1924	32.5339	31.9414	33.0593	23.8866	21.4338	MTOR associated protein, LST8 homolog [Source:HGNC Symbol;A	chr16:2255	NM_00119	XM_01702	.	.	NP_00118	XP_005255	protein_co	ENSG0000	64223	24825
MLX	36.5813	37.1383	38.7788	40.1905	35.422	32.6315	MLX, MAX dimerization protein [Source:HGNC Symbol;Acc:HGNC	chr17:4071	NM_17060	.	.	.	NP_73375	XP_016880	protein_co	ENSG0000	6945	11645
MLXIP	17.4585	17.2628	17.4694	17.7529	17.55	14.7722	MLX interacting protein [Source:HGNC Symbol;Acc:HGNC:17055]	chr12:1225	NM_01493	XM_00671	.	.	NP_05575	XP_006719	protein_co	ENSG0000	22877	17055
MLXIPL	9.06387	9.14275	13.9144	7.19452	6.95249	11.2073	MLX interacting protein like [Source:HGNC Symbol;Acc:HGNC:12	chr7:73007	NM_03295	XM_01151	.	.	NP_11656	XP_011514	protein_co	ENSG0000	51085	12744
MLYCD	0.700374	0.775338	0.810123	0.671678	0.668397	0.606011	malonyl-CoA decarboxylase [Source:HGNC Symbol;Acc:HGNC:715	chr16:8393	NM_01222	.	.	.	NP_03634	.	protein_co	ENSG0000	23417	7150
MMAA	2.82098	2.21602	2.12078	2.04474	2.90256	2.30013	methylmalonic aciduria (cobalamin deficiency) cblA type [Source:	chr4:14653	NM_17225	XM_01153	.	.	NP_75845	XP_011529	protein_co	ENSG0000	166785	18871
MMAB	14.3879	13.6116	12.578	15.2238	13.5754	14.7714	methylmalonic aciduria (cobalamin deficiency) cblB type [Source:	chr12:1099	NM_05284	.	.	.	NP_44307	.	protein_co	ENSG0000	326625	19331
MMACHC	7.39602	8.03328	7.43346	8.68049	7.64491	6.73558	methylmalonic aciduria (cobalamin deficiency) cblC type, with ho	chr1:45965	NM_01550	XM_01154	.	.	NP_05632	XP_011539	protein_co	ENSG0000	25974	24525
MMADHC	87.1983	84.6506	80.9001	89.892	101.288	99.7126	methylmalonic aciduria and homocystinuria, cblD type [Source:H	chr2:15042	NM_01570	.	.	.	NP_05651	.	protein_co	ENSG0000	27249	25221
MMD	9.86863	11.0336	10.5634	9.27293	10.3983	15.1614	monocyte to macrophage differentiation associated [Source:HGN	chr17:5346	NM_01232	XM_00672	.	.	NP_03646	XP_006721	protein_co	ENSG0000	23531	7153
MMD2	0	0	0	0	0	0	monocyte to macrophage differentiation associated 2 [Source:H	chr7:49456	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	221938	30133
MME	0	0	0	0	0	0.027831	membrane metallo-endopeptidase [Source:HGNC Symbol;Acc:HG	chr3:15474	NM_00090	XM_01151	.	.	NP_00089	XP_006713	protein_co	ENSG0000	4311	7154
MMEL1	0.233262	0.165077	0.352701	0.488152	0.29637	0.385404	membrane metallo-endopeptidase-like 1 [Source:HGNC Symbol;A	chr1:25181	NM_03334	XM_01154	.	.	NP_25842	XP_016857	protein_co	ENSG0000	79258	14668
MMGT1	11.9349	10.749	13.1644	10.0272	15.6808	17.6833	membrane magnesium transporter 1 [Source:HGNC Symbol;Acc:	chrX:13504	NM_17347	.	.	.	NP_77574	.	protein_co	ENSG0000	93380	28100
MMP1	0.064479	0.068294	0.084653	0	0.072022	0.032155	matrix metallopeptidase 1 [Source:HGNC Symbol;Acc:HGNC:715	chr11:1026	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	4312	7155
MMP10	0.039894	0	0.104415	0.089161	0	0.079929	matrix metallopeptidase 10 [Source:HGNC Symbol;Acc:HGNC:715	chr11:1026	NM_00242	.	.	.	NP_00241	.	protein_co	ENSG0000	4319	7156
MMP11	6.9633	6.43927	10.1713	8.06034	7.02116	7.44277	matrix metallopeptidase 11 [Source:HGNC Symbol;Acc:HGNC:715	chr22:2411	NM_00594	.	.	.	NP_00593	.	protein_co	ENSG0000	4320	7157
MMP12	0	0	0	0	0	0	matrix metallopeptidase 12 [Source:HGNC Symbol;Acc:HGNC:715	chr11:1027	NM_00242	.	.	.	NP_00241	.	protein_co	ENSG0000	4321	7158
MMP13	0.059203	0.063651	0.058679	0.075113	0	0	matrix metallopeptidase 13 [Source:HGNC Symbol;Acc:HGNC:715	chr11:1028	NM_00242	.	.	.	NP_00241	.	protein_co	ENSG0000	4322	7159
MMP14	7.52183	8.50256	7.66964	0.722528	0.565218	1.23549	matrix metallopeptidase 14 [Source:HGNC Symbol;Acc:HGNC:716	chr14:2330	NM_00499	.	.	.	NP_00498	.	protein_co	ENSG0000	4323	7160
MMP15	25.8861	27.0045	27.0761	29.8447	29.0155	29.2903	matrix metallopeptidase 15 [Source:HGNC Symbol;Acc:HGNC:716	chr16:5805	NM_00242	.	.	.	NP_00241	.	protein_co	ENSG0000	4324	7161
MMP16	0	0.008226	0.019694	0	0	0.007182	matrix metallopeptidase 16 [Source:HGNC Symbol;Acc:HGNC:716	chr8:89044	NM_00594	.	.	.	NP_00593	.	protein_co	ENSG0000	4325	7162
MMP17	7.02442	5.89984	9.55345	5.49765	5.43428	6.21611	matrix metallopeptidase 17 [Source:HGNC Symbol;Acc:HGNC:716	chr12:1323	NM_01615	XM_01153	.	.	NP_05723	XP_011536	protein_co	ENSG0000	4326	7163

MMP19	1.00506	0.733443	0.29729	0.293636	0.240592	0.283446	matrix metallopeptidase 19 [Source:HGNC Symbol;Acc:HGNC:716	chr12:5623	NM_00127	XM_01153	.	.	NP_00125	XP_01153	protein_co	ENSG0000	4327	7165
MMP2	0.027489	0	0	0.023257	0.039332	0.036648	matrix metallopeptidase 2 [Source:HGNC Symbol;Acc:HGNC:7166	chr16:5542	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	4313	7166
MMP20	0.286245	0.186991	0.406105	0.079872	0.080331	0.072331	matrix metallopeptidase 20 [Source:HGNC Symbol;Acc:HGNC:716	chr11:1024	NM_00477	.	.	.	NP_00476	.	protein_co	ENSG0000	9313	7167
MMP21	0.045827	0	0.079137	0.101726	0	0	matrix metallopeptidase 21 [Source:HGNC Symbol;Acc:HGNC:143	chr10:1274	NM_14719	XM_01153	.	.	NP_67172	XP_011537	protein_co	ENSG0000	118856	14357
MMP23B	0.573125	0.272302	0.74215	0.803338	0.908449	0.219961	matrix metallopeptidase 23B [Source:HGNC Symbol;Acc:HGNC:71	chr1:15674	NM_00698	.	.	.	NP_00891	.	protein_co	ENSG0000	8510	7171
MMP24	0.054144	0	0.046539	0.05826	0.020867	0.019721	matrix metallopeptidase 24 [Source:HGNC Symbol;Acc:HGNC:717	chr20:3381	NM_00669	XM_01702	.	.	NP_00668	XP_01152	protein_co	ENSG0000	10893	7172
MMP24-AS1	29.9072	26.0052	34.1407	30.426	19.8078	25.9663	MMP24 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:44421	chr20:3386	.	.	.	.	.	.	protein_co	ENSG0000	.	44421
MMP25	0.679624	0.847907	1.11206	0.241173	0.411384	0.240382	matrix metallopeptidase 25 [Source:HGNC Symbol;Acc:HGNC:142	chr16:3096	NM_02246	XM_01152	.	.	NP_07191	.	protein_co	ENSG0000	64386	14246
MMP26	0	0	0	0	0	0	matrix metallopeptidase 26 [Source:HGNC Symbol;Acc:HGNC:142	chr11:4788	NM_02180	.	.	.	NP_06857	.	protein_co	ENSG0000	56547	14249
MMP27	0	0	0	0	0	0	matrix metallopeptidase 27 [Source:HGNC Symbol;Acc:HGNC:142	chr11:1025	NM_02212	XM_01154	.	.	NP_07140	XP_011541	protein_co	ENSG0000	64066	14250
MMP28	1.39279	0.933447	1.05569	1.11861	0.558759	0.709079	matrix metallopeptidase 28 [Source:HGNC Symbol;Acc:HGNC:143	chr17:3409	NM_00103	XM_01152	.	.	NP_00102	XP_011523	protein_co	ENSG0000	79148	14366
MMP3	0	0	0	0	0	0	matrix metallopeptidase 3 [Source:HGNC Symbol;Acc:HGNC:7173	chr11:1027	NM_00242	.	.	.	NP_00241	.	protein_co	ENSG0000	4314	7173
MMP7	4.82808	3.61307	3.7359	1.76805	1.45727	0.942998	matrix metallopeptidase 7 [Source:HGNC Symbol;Acc:HGNC:7174	chr11:1023	NM_00242	.	.	.	NP_00241	.	protein_co	ENSG0000	4316	7174
MMP8	0	0	0	0	0	0.02379	matrix metallopeptidase 8 [Source:HGNC Symbol;Acc:HGNC:7175	chr11:1025	NM_00130	XM_01701	.	.	NP_00129	XP_011541	protein_co	ENSG0000	4317	7175
MMP9	0.443519	0.429529	0.379345	0.473135	0.18902	0.407384	matrix metallopeptidase 9 [Source:HGNC Symbol;Acc:HGNC:7176	chr20:4463	NM_00499	.	.	.	NP_00498	.	protein_co	ENSG0000	4318	7176
MMRN1	0.117273	0.022549	0.051073	0.016823	0.030585	0.041023	multimerin 1 [Source:HGNC Symbol;Acc:HGNC:7178]	chr4:90800	NM_00735	XM_01700	.	.	NP_03137	XP_005262	protein_co	ENSG0000	22915	7178
MMRN2	1.4826	1.24533	2.07521	1.45805	1.35176	3.11065	multimerin 2 [Source:HGNC Symbol;Acc:HGNC:19888]	chr10:8869	NM_02475	XM_00671	.	.	NP_07903	XP_005270	protein_co	ENSG0000	79812	19888
MMS19	35.3012	35.3174	34.4531	39.6601	32.9097	31.4447	MMS19 homolog, cytosolic iron-sulfur assembly component [Sou	chr10:9921	NM_00128	XM_01701	.	.	NP_00127	XP_005270	protein_co	ENSG0000	64210	13824
MMS22L	7.48229	6.81231	7.02297	6.07542	9.15952	8.28003	MMS22 like, DNA repair protein [Source:HGNC Symbol;Acc:HGNC	chr6:97590	NM_19846	XM_01153	.	.	NP_940870	XP_006715	protein_co	ENSG0000	253714	21475
MN1	1.19509	1.18362	1.66524	1.60242	1.43463	1.9949	MN1 proto-oncogene, transcriptional regulator [Source:HGNC Sy	chr22:2814	NM_00243	.	.	.	NP_00242	.	protein_co	ENSG0000	4330	7180
MNAT1	18.8751	22.2831	20.0534	21.5285	21.3585	23.0982	MNAT1, CDK activating kinase assembly factor [Source:HGNC Syn	chr14:6120	NM_00117	XM_00526	.	.	NP_00117	XP_005267	protein_co	ENSG0000	4331	7181
MND1	25.4642	24.9661	19.0595	35.1871	33.759	29.4105	meiotic nuclear divisions 1 [Source:HGNC Symbol;Acc:HGNC:2483	chr4:15426	NM_00125	XM_00526	.	.	NP_00124	XP_005263	protein_co	ENSG0000	84057	24839
MNDA	0	0	0	0	0	0	myeloid cell nuclear differentiation antigen [Source:HGNC Symbo	chr1:15880	NM_00243	.	.	.	NP_00242	.	protein_co	ENSG0000	4332	7183
MNS1	1.51315	1.56241	1.03904	0.836206	1.62719	1.47646	meiosis specific nuclear structural 1 [Source:HGNC Symbol;Acc:H	chr15:5665	NM_01836	.	.	.	NP_06083	.	protein_co	ENSG0000	55329	29636
MNT	5.60175	6.28048	5.45158	4.43089	4.0843	5.18343	MAX network transcriptional repressor [Source:HGNC Symbol;Ac	chr17:2287	NM_02031	XM_01152	.	.	NP_06470	XP_011522	protein_co	ENSG0000	4335	7188
MNX1	3.86035	4.24733	4.69477	5.31336	5.70646	7.01169	motor neuron and pancreas homeobox 1 [Source:HGNC Symbol;A	chr7:15678	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	3110	4979
MOAP1	11.9489	12.4714	13.9749	10.8379	11.434	12.1554	modulator of apoptosis 1 [Source:HGNC Symbol;Acc:HGNC:16658	chr14:9364	NM_02215	.	.	.	NP_07143	.	protein_co	ENSG0000	64112	16658
MOB1A	41.0249	44.3589	51.5139	45.4523	56.898	58.9713	MOB kinase activator 1A [Source:HGNC Symbol;Acc:HGNC:16015	chr2:74379	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	55233	16015
MOB1B	8.74948	10.5909	11.1023	10.1044	13.7525	13.0003	MOB kinase activator 1B [Source:HGNC Symbol;Acc:HGNC:29801	chr4:71768	NM_00124	XM_01700	.	.	NP_00123	XP_005265	protein_co	ENSG0000	92597	29801
MOB2	12.7182	11.9224	13.3681	10.5792	9.10649	10.3281	MOB kinase activator 2 [Source:HGNC Symbol;Acc:HGNC:24904]	chr11:1490	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	81532	24904
MOB3A	12.6525	11.4512	12.01	10.9048	11.6216	11.7526	MOB kinase activator 3A [Source:HGNC Symbol;Acc:HGNC:29802	chr19:2071	NM_13080	XM_01152	.	.	NP_57071	XP_011525	protein_co	ENSG0000	126308	29802
MOB3B	1.26812	1.14438	1.42877	2.14581	1.99585	1.69997	MOB kinase activator 3B [Source:HGNC Symbol;Acc:HGNC:23825	chr9:27325	NM_02476	.	.	.	NP_07903	.	protein_co	ENSG0000	79817	23825
MOB3C	3.56045	3.83356	4.07429	4.32799	3.86328	3.44179	MOB kinase activator 3C [Source:HGNC Symbol;Acc:HGNC:29800	chr1:47073	NM_14527	XM_01700	.	.	NP_66032	XP_016855	protein_co	ENSG0000	148932	29800
MOB4	23.1444	20.9385	21.6426	26.1632	31.4229	35.6433	MOB family member 4, phocein [Source:HGNC Symbol;Acc:HGNC	chr2:19835	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	25843	17261
MOBP	0	0.027107	0	0.105354	0	0.166	myelin-associated oligodendrocyte basic protein [Source:HGNC S	chr3:39509	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	4336	7189
MOCOS	6.04765	6.21024	4.61649	5.51988	5.34916	7.42046	molybdenum cofactor sulfurase [Source:HGNC Symbol;Acc:HGNC	chr18:3376	NM_01794	.	.	.	NP_06041	.	protein_co	ENSG0000	55034	18234
MOCS1	5.99128	5.84286	5.23871	5.64932	6.05468	5.20014	molybdenum cofactor synthesis 1 [Source:HGNC Symbol;Acc:HGN	chr6:39760	NM_00107	XM_01151	.	.	NP_00106	XP_011512	protein_co	ENSG0000	4337	7190
MOCS2	26.8806	25.5397	25.897	27.3409	25.7944	27.9646	molybdenum cofactor synthesis 2 [Source:HGNC Symbol;Acc:HGN	chr5:52391	NM_00453	.	.	.	NP_00452	.	protein_co	ENSG0000	4338	7193
MOCS3	4.39638	4.93617	4.59937	4.84503	3.95839	3.93084	molybdenum cofactor synthesis 3 [Source:HGNC Symbol;Acc:HGN	chr20:4957	NM_01448	.	.	.	NP_05529	.	protein_co	ENSG0000	27304	15765
MOG	0	0	0	0	0	0	myelin oligodendrocyte glycoprotein [Source:HGNC Symbol;Acc:H	chr6:29624	NM_00100	XM_00524	.	.	NP_00100	XP_005249	protein_co	ENSG0000	4340	7197
MOGAT1	0	0	0	0.199484	0	0.264008	monoacylglycerol O-acyltransferase 1 [Source:HGNC Symbol;Acc:	chr2:22353	NM_05816	.	.	.	NP_47751	.	protein_co	ENSG0000	116255	18210
MOGAT2	0.022031	0	0	0	0	0	monoacylglycerol O-acyltransferase 2 [Source:HGNC Symbol;Acc:	chr11:7542	NM_02509	.	.	.	NP_07937	.	protein_co	ENSG0000	80168	23248
MOGAT3	0	0	0	0	0	0.044823	monoacylglycerol O-acyltransferase 3 [Source:HGNC Symbol;Acc:	chr7:10083	NM_00128	XM_01151	.	.	NP_00127	XP_005250	protein_co	ENSG0000	346606	23249
MOGS	33.821	37.4654	37.3716	36.6847	30.6002	28.2629	mannosyl-oligosaccharide glucosidase [Source:HGNC Symbol;Acc	chr2:74688	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	7841	24862
MOK	3.18856	4.15484	3.46979	2.98369	2.60917	1.88287	MOK protein kinase [Source:HGNC Symbol;Acc:HGNC:9833]	chr14:1026	NM_00127	XM_01702	.	.	NP_00125	XP_006720	protein_co	ENSG0000	5891	9833
MON1A	8.68596	9.22244	6.61969	8.17285	7.76921	6.42656	MON1 homolog A, secretory trafficking associated [Source:HGNC	chr3:49946	NM_00114	XM_01153	.	.	NP_00113	XP_006713	protein_co	ENSG0000	84315	28207
MON1B	8.04746	9.3989	7.72381	9.63192	8.44051	7.45535	MON1 homolog B, secretory trafficking associated [Source:HGNC	chr16:7722	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	22879	25020
MON2	6.79155	6.81127	7.82587	5.59734	7.74863	7.62331	MON2 homolog, regulator of endosome-to-Golgi trafficking [Sour	chr12:6286	NM_00127	XM_01153	.	.	NP_00126	XP_016874	protein_co	ENSG0000	23041	29177
MORC1	0	0	0	0	0	0	MORC family CW-type zinc finger 1 [Source:HGNC Symbol;Acc:HG	chr3:10867	NM_01442	XM_01151	.	.	NP_05524	XP_005247	protein_co	ENSG0000	27136	7198
MORC2	8.91953	10.16	7.49405	8.74164	8.34593	7.01206	MORC family CW-type zinc finger 2 [Source:HGNC Symbol;Acc:HG	chr22:3132	NM_00130	XM_01702	.	.	NP_00129	XP_011528	protein_co	ENSG0000	22880	23573
MORC3	7.34821	6.68336	8.15238	6.76138	9.11983	9.88659	MORC family CW-type zinc finger 3 [Source:HGNC Symbol;Acc:HG	chr21:3769	NM_00132	XM_01702	.	.	NP_00130	XP_011527	protein_co	ENSG0000	23515	23572
MORC4	13.3775	14.5113	17.0337	12.8682	14.3941	16.596	MORC family CW-type zinc finger 4 [Source:HGNC Symbol;Acc:HG	chrX:10618	NM_00108	XM_00672	.	.	NP_00107	XP_005262	protein_co	ENSG0000	79710	23485
MORF4L1	180.177	181.938	164.962	200.307	193.642	216.7	mortality factor 4 like 1 [Source:HGNC Symbol;Acc:HGNC:16989]	chr15:7905	NM_00126	.	.	.	NP_00125	XP_016877	protein_co	ENSG0000	10933	16989
MORF4L2	163.118	163.164	152.966	210.269	201.257	170.02	mortality factor 4 like 2 [Source:HGNC Symbol;Acc:HGNC:16849]	chrX:10293	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	9643	16849
MORN1	2.64692	3.24159	2.19751	2.47782	2.50972	2.15644	MORN repeat containing 1 [Source:HGNC Symbol;Acc:HGNC:2585	chr1:22526	NM_00130	XM_01154	.	.	NP_00128	XP_005244	protein_co	ENSG0000	79906	25852
MORN2	13.4776	11.8132	12.4638	16.5545	13.1264	12.5911	MORN repeat containing 2 [Source:HGNC Symbol;Acc:HGNC:301	chr2:39103	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	729967	30166
MORN3	0.254676	0.223056	0.348387	0.120412	0.18636	0.209282	MORN repeat containing 3 [Source:HGNC Symbol;Acc:HGNC:298	chr12:1220	NM_17385	XM_01153	.	.	NP_77625	XP_005253	protein_co	ENSG0000	283385	29807
MORN4	7.67077	6.8748	4.69335	3.92679	5.08254	3.37613	MORN repeat containing 4 [Source:HGNC Symbol;Acc:HGNC:240	chr10:9934	NM_00109	XM_01153	.	.	NP_00109	XP_011537	protein_co	ENSG0000	118812	24001
MORN5	0.234502	0.264551	0.365969	0.57148	0.359189	0.77477	MORN repeat containing 5 [Source:HGNC Symbol;Acc:HGNC:178	chr9:12492	NM_00128	XM_00671	.	.	NP_00127	XP_005251	protein_co	ENSG0000	254956	17841

MOS	0	0	0	0	0	0	v-mos Moloney murine sarcoma viral oncogene homolog [Source	chr8:57025	NM_00537	.	.	.	NP_00536	.	protein_co	ENSG0000	4342	7199
MOSPD1	39.685	35.1669	39.8997	36.0838	45.1395	44.5423	motile sperm domain containing 1 [Source:HGNC Symbol;Acc:HG	chrX:13402	NM_00130	XM_01153	.	.	NP_00129	XP_005262	protein_co	ENSG0000	56180	25235
MOSPD2	3.15893	2.84247	3.59522	2.93436	3.35542	5.55222	motile sperm domain containing 2 [Source:HGNC Symbol;Acc:HG	chrX:14891	NM_00117	XM_00527	.	.	NP_00117	XP_005274	protein_co	ENSG0000	158747	28381
MOSPD3	20.1156	20.0235	18.5312	19.309	18.3564	15.1115	motile sperm domain containing 3 [Source:HGNC Symbol;Acc:HG	chr7:10020	NM_00104	XM_00525	.	.	NP_00103	XP_005250	protein_co	ENSG0000	64598	25078
MOV10	29.617	29.2685	26.3178	30.3828	26.1197	25.7747	Mov10 RISC complex RNA helicase [Source:HGNC Symbol;Acc:HG	chr1:11321	NM_00113	XM_00527	.	.	NP_00112	XP_005270	protein_co	ENSG0000	4343	7200
MOV10L1	0.017213	0	0	0	0	0.063769	Mov10 RISC complex RNA helicase like 1 [Source:HGNC Symbol;A	chr22:5052	NM_00116	XM_01153	.	.	NP_00115	XP_005261	protein_co	ENSG0000	54456	7201
MOXD1	0.775986	0.630592	1.57965	2.60606	3.4186	3.4643	monooxygenase DBH like 1 [Source:HGNC Symbol;Acc:HGNC:210	chr6:13261	NM_01552	.	.	.	NP_05634	XP_016866	protein_co	ENSG0000	26002	21063
MPC1	18.8247	19.23	14.538	19.9947	16.7607	13.9751	mitochondrial pyruvate carrier 1 [Source:HGNC Symbol;Acc:HGN	chr6:16667	NM_00127	XM_01153	.	.	NP_00125	XP_006715	protein_co	ENSG0000	51660	21606
MPC1L	0	0	0	0	0	0	mitochondrial pyruvate carrier 1-like [Source:HGNC Symbol;Acc:H	chrX:40482	NM_00119	XM_01154	.	.	NP_00118	XP_011542	protein_co	ENSG0000	347411	44205
MPC2	25.0625	19.6869	24.1902	27.8478	29.6409	24.7915	mitochondrial pyruvate carrier 2 [Source:HGNC Symbol;Acc:HGN	chr1:16788	NM_00114	XM_00671	.	.	NP_00113	XP_006711	protein_co	ENSG0000	25874	24515
MPDU1	58.0684	53.6914	41.4413	81.4343	60.7301	43.9391	mannose-P-dolichol utilization defect 1 [Source:HGNC Symbol;Ac	chr17:7486	NM_00487	XM_01152	.	.	NP_00486	XP_006721	protein_co	ENSG0000	9526	7207
MPDZ	0	0	0	0	0	0	multiple PDZ domain crumbs cell polarity complex component [S	chr9:13105	NM_00126	XM_00671	.	.	NP_00124	XP_005251	protein_co	ENSG0000	8777	7208
MPEG1	0	0	0	0	0	0	macrophage expressed 1 [Source:HGNC Symbol;Acc:HGNC:29619	chr11:5893	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	219972	29619
MPG	25.4288	24.0465	25.5251	22.5778	15.8775	17.3184	N-methylpurine DNA glycosylase [Source:HGNC Symbol;Acc:HGN	chr16:1270	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	4350	7211
MPHOSPH10	20.0511	17.2306	17.3376	18.9827	23.1722	17.2633	M-phase phosphoprotein 10 [Source:HGNC Symbol;Acc:HGNC:72	chr2:71357	NM_00579	.	.	.	NP_00578	.	protein_co	ENSG0000	10199	7213
MPHOSPH6	40.6358	42.3099	36.9175	48.6816	54.181	45.5432	M-phase phosphoprotein 6 [Source:HGNC Symbol;Acc:HGNC:721	chr16:8218	NM_00579	XM_01152	.	.	NP_00578	XP_011521	protein_co	ENSG0000	10200	7214
MPHOSPH8	13.6891	13.285	12.1166	10.6338	11.6739	12.2901	M-phase phosphoprotein 8 [Source:HGNC Symbol;Acc:HGNC:298	chr13:2020	NM_01752	XM_01153	.	.	NP_05999	XP_011533	protein_co	ENSG0000	54737	29810
MPHOSPH9	5.83465	5.48836	5.66831	5.5934	7.00502	7.41571	M-phase phosphoprotein 9 [Source:HGNC Symbol;Acc:HGNC:721	chr12:1236	NM_02278	XM_01153	.	.	NP_07361	XP_011536	protein_co	ENSG0000	10198	7215
MPI	23.7354	26.2859	27.1773	25.3173	20.6034	18.7988	mannose phosphate isomerase [Source:HGNC Symbol;Acc:HGNC	chr15:7518	NM_00128	XM_01152	.	.	NP_00127	XP_011519	protein_co	ENSG0000	4351	7216
MPL	0.037484	0	0	0	0.042917	0	MPL proto-oncogene, thrombopoietin receptor [Source:HGNC Sy	chr1:43803	NM_00537	XM_01154	.	.	NP_00536	.	protein_co	ENSG0000	4352	7217
MPLKIP	4.69971	4.64088	4.73719	5.46889	5.25392	4.11072	M-phase specific PLK1 interacting protein [Source:HGNC Symbol;	chr7:40165	NM_13870	.	.	.	NP_61964	.	protein_co	ENSG0000	136647	16002
MPND	9.39226	8.99037	10.5635	10.0014	8.98	8.17265	MPN domain containing [Source:HGNC Symbol;Acc:HGNC:25934]	chr19:4343	NM_00115	XM_00672	.	.	NP_00115	XP_006722	protein_co	ENSG0000	84954	25934
MPO	0.024887	0	0	0.026796	0	0	myeloperoxidase [Source:HGNC Symbol;Acc:HGNC:7218]	chr17:5634	NM_00025	XM_01152	.	.	NP_00024	.	protein_co	ENSG0000	4353	7218
MPP1	4.49756	5.35421	4.79824	5.91072	4.30446	4.47087	membrane palmitoylated protein 1 [Source:HGNC Symbol;Acc:HG	chrX:15400	NM_00116	XM_01153	.	.	NP_00115	XP_011529	protein_co	ENSG0000	4354	7219
MPP2	7.76872	7.25984	8.08789	7.63366	6.74838	6.467	membrane palmitoylated protein 2 [Source:HGNC Symbol;Acc:HG	chr17:4195	NM_00127	XM_01152	.	.	NP_00126	XP_011523	protein_co	ENSG0000	4355	7220
MPP3	5.5808	4.95116	4.04172	4.76692	4.06796	3.09157	membrane palmitoylated protein 3 [Source:HGNC Symbol;Acc:HG	chr17:4187	NM_00193	XM_01152	.	.	NP_00192	XP_006721	protein_co	ENSG0000	4356	7221
MPP4	0.028748	0.031089	0.02718	0.066359	0	0.030921	membrane palmitoylated protein 4 [Source:HGNC Symbol;Acc:HG	chr2:20250	NM_03306	XM_01151	.	.	NP_14905	XP_016860	protein_co	ENSG0000	58538	13680
MPP5	6.73028	6.19921	6.48216	5.36347	5.76675	7.61362	membrane palmitoylated protein 5 [Source:HGNC Symbol;Acc:HG	chr14:6770	NM_00125	XM_01153	.	.	NP_00124	XP_005268	protein_co	ENSG0000	64398	18669
MPP6	9.17447	8.82112	9.62017	21.5631	9.35584	8.55212	membrane palmitoylated protein 6 [Source:HGNC Symbol;Acc:HG	chr7:24612	NM_00130	XM_01701	.	.	NP_00128	XP_005249	protein_co	ENSG0000	51678	18167
MPP7	15.3009	17.1106	15.476	21.8227	23.9989	24.4066	membrane palmitoylated protein 7 [Source:HGNC Symbol;Acc:HG	chr10:2833	NM_00131	XM_01701	.	.	NP_00130	XP_005252	protein_co	ENSG0000	143098	26542
MPPE1	5.79144	5.39	4.34724	4.95361	4.0431	4.17598	metallophosphoesterase 1 [Source:HGNC Symbol;Acc:HGNC:159	chr18:1168	NM_00124	XM_01152	.	.	NP_00122	XP_006722	protein_co	ENSG0000	65258	15988
MPPED1	0	0	0	0	0	0	metallophosphoesterase domain containing 1 [Source:HGNC Sym	chr22:4380	NM_00104	XM_01153	.	.	NP_00103	XP_011528	protein_co	ENSG0000	758	1306
MPPED2	0	0	0	0	0	0	metallophosphoesterase domain containing 2 [Source:HGNC Sym	chr11:3040	NM_00114	XM_01701	.	.	NP_00113	XP_005253	protein_co	ENSG0000	744	1180
MPRIP	18.923	19.9438	22.1136	21.1409	19.3671	22.9496	myosin phosphatase Rho interacting protein [Source:HGNC Symb	chr17:1694	NM_01513	XM_01152	.	.	NP_05594	XP_005256	protein_co	ENSG0000	23164	30321
MPST	43.0818	43.744	50.2823	63.0809	43.9335	49.7212	mercaptopyruvate sulfurtransferase [Source:HGNC Symbol;Acc:H	chr22:3740	NM_00101	XM_01153	.	.	NP_00101	XP_005261	protein_co	ENSG0000	4357	7223
MPV17	29.4492	29.1016	27.3657	31.2229	22.7614	20.4126	MPV17, mitochondrial inner membrane protein [Source:HGNC Sy	chr2:27532	NM_00243	XM_00671	.	.	NP_00242	XP_005264	protein_co	ENSG0000	4358	7224
MPV17L	0	0	0	0	0	0	MPV17 mitochondrial inner membrane protein like [Source:HGN	chr16:1548	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	255027	26827
MPV17L2	29.9153	27.9701	26.4624	34.8302	27.1165	19.284	MPV17 mitochondrial inner membrane protein like 2 [Source:HG	chr19:1830	NM_03268	.	.	.	NP_11607	.	protein_co	ENSG0000	84769	28177
MPZ	2.72508	2.52781	3.1563	2.29177	2.01711	1.74497	myelin protein zero [Source:HGNC Symbol;Acc:HGNC:7225]	chr1:16127	NM_00053	.	.	.	NP_00052	.	protein_co	ENSG0000	4359	7225
MPZL1	40.143	40.2558	41.7053	41.4167	47.05	38.4763	myelin protein zero like 1 [Source:HGNC Symbol;Acc:HGNC:7226]	chr1:16769	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	9019	7226
MPZL2	10.4039	11.4055	9.64666	10.1252	9.9198	9.70881	myelin protein zero like 2 [Source:HGNC Symbol;Acc:HGNC:3496]	chr11:1181	NM_00579	.	.	.	NP_00578	.	protein_co	ENSG0000	10205	3496
MPZL3	3.97133	4.94217	3.73548	3.64771	4.20082	5.53745	myelin protein zero like 3 [Source:HGNC Symbol;Acc:HGNC:2727	chr11:1180	NM_00128	XM_01701	.	.	NP_00127	XP_016872	protein_co	ENSG0000	196264	27279
MR1	4.60097	5.33661	5.83281	3.36676	4.32588	3.43649	major histocompatibility complex, class I-related [Source:HGNC S	chr1:18100	NM_00119	XM_01150	.	.	NP_00118	XP_006711	protein_co	ENSG0000	3140	4975
MRAP	0.292416	0	0	0	0	0	melanocortin 2 receptor accessory protein [Source:HGNC Symbol	chr21:3366	NM_17881	XM_00672	.	.	NP_84893	XP_006724	protein_co	ENSG0000	56246	1304
MRAP2	2.49193	1.77405	2.40619	1.92716	1.64531	2.2578	melanocortin 2 receptor accessory protein 2 [Source:HGNC Symb	chr6:84743	NM_13840	XM_01153	.	.	NP_61241	XP_005248	protein_co	ENSG0000	112609	21232
MRAS	9.16762	8.16482	7.78414	8.512	9.01631	8.30623	muscle RAS oncogene homolog [Source:HGNC Symbol;Acc:HGNC	chr3:13806	NM_00108	XM_00524	.	.	NP_00107	XP_005247	protein_co	ENSG0000	22808	7227
MRC1	0	0.013538	0	0.014482	0	0	mannose receptor, C type 1 [Source:HGNC Symbol;Acc:HGNC:722	chr10:1809	NM_00243	.	.	.	NP_00242	.	protein_co	ENSG0000	4360	7228
MRC1L1	0	0	0	0.029154	0	0.044874	cDNA FLJ56855, highly similar to Macrophage mannose receptor	chr10:1785	.	.	.	.	.	.	protein_co	ENSG0000	101928757	.
MRC2	3.03713	3.45607	6.55732	3.79322	3.2572	5.00559	mannose receptor C type 2 [Source:HGNC Symbol;Acc:HGNC:168	chr17:6070	NM_00603	.	.	.	NP_00603	.	protein_co	ENSG0000	9902	16875
MRE11A	6.84977	5.90578	8.44931	3.68957	4.81209	4.91508	MRE11 homolog A, double strand break repair nuclease [Source:	chr11:9414	NM_00559	XM_01154	.	.	NP_00558	XP_005274	protein_co	ENSG0000	4361	7230
MREG	8.91827	9.001	9.48142	9.36831	9.42118	10.6053	melanoregulin [Source:HGNC Symbol;Acc:HGNC:25478]	chr2:21680	NM_01800	XM_01151	.	.	NP_06047	XP_011509	protein_co	ENSG0000	55686	25478
MRFAP1	269.174	267.893	260.302	321.951	327.125	283.63	Morf4 family associated protein 1 [Source:HGNC Symbol;Acc:HGN	chr4:66418	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	93621	24549
MRFAP1L1	48.5	47.1059	40.5951	45.9781	46.6887	46.0764	Morf4 family associated protein 1 like 1 [Source:HGNC Symbol;A	chr4:67094	NM_20346	XM_00524	.	.	NP_98228	XP_005247	protein_co	ENSG0000	114932	28796
MRGBP	24.2898	23.7248	23.4291	24.5927	20.4068	20.9166	MRG/MORF4L binding protein [Source:HGNC Symbol;Acc:HGNC:	chr20:6142	NM_01827	.	.	.	NP_06074	.	protein_co	ENSG0000	55257	15866
MRGPRD	0	0	0	0	0	0	MAS related GPR family member D [Source:HGNC Symbol;Acc:HG	chr11:6874	NM_19892	.	.	.	NP_94460	.	protein_co	ENSG0000	116512	29626
MRGPRE	0	0	0	0	0	0	MAS related GPR family member E [Source:HGNC Symbol;Acc:HG	chr11:3248	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	116534	30694
MRGPRF	0.320606	0.628844	1.01569	1.32289	1.2767	0.70797	MAS related GPR family member F [Source:HGNC Symbol;Acc:HG	chr11:6877	NM_00109	.	.	.	NP_00109	XP_016872	protein_co	ENSG0000	116535	24828
MRGPRG	0	0	0	0	0	0	MAS related GPR family member G [Source:HGNC Symbol;Acc:HG	chr11:3239	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	386746	24829
MRGPRX1	0	0	0	0	0	0	MAS related GPR family member X1 [Source:HGNC Symbol;Acc:H	chr11:1889	NM_14719	.	.	.	NP_67173	.	protein_co	ENSG0000	259249	17962

MRGPRX2	0	0	0	0	0	0	MAS related GPR family member X2 [Source:HGNC Symbol;Acc:H	chr11:1907	NM_00130	XM_01151	.	.	NP_00129	XP_011518	protein_co	ENSG0000	117194	17983
MRGPRX3	0	0	0	0	0	0	MAS related GPR family member X3 [Source:HGNC Symbol;Acc:H	chr11:1814	NM_05403	XM_01151	.	.	NP_47337	XP_011518	protein_co	ENSG0000	117195	17980
MRGPRX4	0	0	0	0	0	0	MAS related GPR family member X4 [Source:HGNC Symbol;Acc:H	chr11:1819	NM_05403	.	.	.	NP_47337	.	protein_co	ENSG0000	117196	17617
MRI1	9.00795	9.80435	10.8297	8.91597	7.5695	5.62074	methylthioribose-1-phosphate isomerase 1 [Source:HGNC Symbo	chr19:1387	NM_00103	XM_01152	.	.	NP_00102	.	protein_co	ENSG0000	84245	28469
MRLN	0	0	0	0	0	0	myoregulin [Source:HGNC Symbol;Acc:HGNC:48649]	chr10:6149	NM_00130	XM_01153	.	.	NP_00129	XP_011537	protein_co	ENSG0000	100507027	48649
MRM1	8.70186	9.76005	7.2334	11.914	9.26656	5.15758	mitochondrial rRNA methyltransferase 1 [Source:HGNC Symbol;A	chr17:3495	NM_02486	.	.	.	NP_07914	.	protein_co	ENSG0000	79922	26202
MRM2	29.422	30.7442	29.0549	32.5372	32.3035	22.5356	mitochondrial rRNA methyltransferase 2 [Source:HGNC Symbol;A	chr7:22739	NM_01339	.	.	.	NP_03752	.	protein_co	ENSG0000	29960	16352
MRM3	23.2743	22.4723	20.1169	26.93	21.7096	16.3126	mitochondrial rRNA methyltransferase 3 [Source:HGNC Symbol;A	chr17:6623	NM_01814	.	.	.	NP_06061	.	protein_co	ENSG0000	55178	18485
MRO	0.201384	0.555598	0.301663	0.531277	0.462109	0.522257	maestro [Source:HGNC Symbol;Acc:HGNC:24121]	chr18:4832	NM_00112	XM_01702	.	.	NP_00112	XP_005258	protein_co	ENSG0000	83876	24121
MROH1	12.0209	15.2289	16.198	9.60306	9.78029	9.73258	maestro heat like repeat family member 1 [Source:HGNC Symbol	chr8:14520	NM_00109	XM_01151	.	.	NP_00109	XP_011515	protein_co	ENSG0000	727957	26958
MROH2A	0	0	0	0	0.01389	0	maestro heat like repeat family member 2A [Source:HGNC Symbo	chr2:23468	NM_00128	XM_01151	.	.	NP_00127	XP_011509	protein_co	ENSG0000	339766	27936
MROH2B	0	0	0	0	0	0	maestro heat like repeat family member 2B [Source:HGNC Symbo	chr5:40998	NM_17348	XM_01151	.	.	NP_77576	XP_011512	protein_co	ENSG0000	133558	26857
MROH6	19.4155	20.0277	17.8181	19.095	17.6216	16.0744	maestro heat like repeat family member 6 [Source:HGNC Symbol	chr8:14464	NM_00110	XM_01151	.	.	NP_00109	XP_006716	protein_co	ENSG0000	642475	27814
MROH7	0.103992	0.180012	0.37374	0.041125	0.052235	0.221046	maestro heat like repeat family member 7 [Source:HGNC Symbol	chr1:55107	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	374977	24802
MROH8	0.079685	0.207274	0.120798	0.354188	0.179353	0.081795	maestro heat like repeat family member 8 [Source:HGNC Symbol	chr20:3572	NM_15250	.	.	.	NP_68971	.	protein_co	ENSG0000	140699	16125
MROH9	0	0	0	0	0	0	maestro heat like repeat family member 9 [Source:HGNC Symbol	chr1:17090	NM_00116	XM_01151	.	.	NP_00115	XP_011508	protein_co	ENSG0000	80133	26287
MRPL1	23.1548	21.6271	23.5052	25.0621	31.5341	28.4355	mitochondrial ribosomal protein L1 [Source:HGNC Symbol;Acc:H	chr4:78783	NM_02023	XM_01153	.	.	NP_06462	XP_011530	protein_co	ENSG0000	65008	14275
MRPL10	75.4716	76.3318	77.2567	84.9637	71.8982	68.6662	mitochondrial ribosomal protein L10 [Source:HGNC Symbol;Acc:H	chr17:4590	NM_14525	.	.	.	NP_66029	.	protein_co	ENSG0000	124995	14055
MRPL11	74.0561	72.0998	60.2437	101.488	70.4937	54.783	mitochondrial ribosomal protein L11 [Source:HGNC Symbol;Acc:H	chr11:6620	NM_01605	.	.	.	NP_05713	.	protein_co	ENSG0000	65003	14042
MRPL12	227.582	227.326	182.725	279.916	197.468	159.843	mitochondrial ribosomal protein L12 [Source:HGNC Symbol;Acc:H	chr17:7967	NM_00294	.	.	.	NP_00294	.	protein_co	ENSG0000	6182	10378
MRPL13	85.3871	73.0731	82.297	96.0955	87.9182	87.6678	mitochondrial ribosomal protein L13 [Source:HGNC Symbol;Acc:H	chr8:12140	NM_01407	XM_00671	.	.	NP_05479	.	protein_co	ENSG0000	28998	14278
MRPL14	75.2487	67.8579	68.9144	91.6792	70.2144	59.9	mitochondrial ribosomal protein L14 [Source:HGNC Symbol;Acc:H	chr6:44081	NM_03211	XM_00524	.	.	NP_00130	XP_005249	protein_co	ENSG0000	64928	14279
MRPL15	70.5674	71.9125	65.8468	80.1219	67.1569	60.5239	mitochondrial ribosomal protein L15 [Source:HGNC Symbol;Acc:H	chr8:55047	NM_01417	.	.	.	NP_05489	XP_016868	protein_co	ENSG0000	29088	14054
MRPL16	62.5428	56.0983	56.2538	69.8693	60.5838	51.888	mitochondrial ribosomal protein L16 [Source:HGNC Symbol;Acc:H	chr11:5957	NM_01784	.	.	.	NP_06031	.	protein_co	ENSG0000	54948	14476
MRPL17	46.2348	45.6095	41.2511	60.4615	43.2938	35.9915	mitochondrial ribosomal protein L17 [Source:HGNC Symbol;Acc:H	chr11:6702	NM_02206	.	.	.	NP_07134	.	protein_co	ENSG0000	63875	14053
MRPL18	115.491	110.4	94.5299	132.262	119.971	90.0094	mitochondrial ribosomal protein L18 [Source:HGNC Symbol;Acc:H	chr6:16021	NM_01416	XM_00671	NR_13486	.	NP_05488	.	protein_co	ENSG0000	29074	14477
MRPL19	49.9518	52.0753	54.8008	58.6633	60.6052	46.8954	mitochondrial ribosomal protein L19 [Source:HGNC Symbol;Acc:H	chr2:75873	NM_01476	.	.	.	NP_05557	.	protein_co	ENSG0000	9801	14052
MRPL2	52.6613	55.3174	42.16	61.7529	48.357	41.6068	mitochondrial ribosomal protein L2 [Source:HGNC Symbol;Acc:H	chr6:43021	NM_00130	XM_00524	.	.	NP_00128	XP_005249	protein_co	ENSG0000	51069	14056
MRPL20	136.243	133.318	102.137	142.836	115.348	108.147	mitochondrial ribosomal protein L20 [Source:HGNC Symbol;Acc:H	chr1:13372	NM_01797	XM_00524	.	.	NP_06044	XP_005244	protein_co	ENSG0000	55052	14478
MRPL21	71.0702	63.2268	55.4292	90.2755	63.6864	55.2575	mitochondrial ribosomal protein L21 [Source:HGNC Symbol;Acc:H	chr11:6869	NM_18151	XM_00527	.	.	NP_85261	XP_005273	protein_co	ENSG0000	219927	14479
MRPL22	40.0617	34.8022	38.5356	51.271	41.6309	46.9128	mitochondrial ribosomal protein L22 [Source:HGNC Symbol;Acc:H	chr5:15432	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	29093	14480
MRPL23	70.9467	71.1824	61.2736	100.201	74.5331	64.6306	mitochondrial ribosomal protein L23 [Source:HGNC Symbol;Acc:H	chr11:1968	NM_02113	XM_01152	.	.	NP_06695	XP_006718	protein_co	ENSG0000	107987373	10322
MRPL24	92.4859	84.7507	74.1898	105.478	73.1272	68.8442	mitochondrial ribosomal protein L24 [Source:HGNC Symbol;Acc:H	chr1:15670	NM_02454	XM_01150	.	.	NP_07881	XP_011508	protein_co	ENSG0000	79590	14037
MRPL27	109.354	101.471	101.239	136.107	105.375	80.1095	mitochondrial ribosomal protein L27 [Source:HGNC Symbol;Acc:H	chr17:4844	NM_01650	.	.	.	NP_05758	.	protein_co	ENSG0000	51264	14483
MRPL28	45.466	44.1033	46.7847	63.5511	51.6995	45.406	mitochondrial ribosomal protein L28 [Source:HGNC Symbol;Acc:H	chr16:4173	NM_00642	XM_01152	.	.	NP_00641	XP_005255	protein_co	ENSG0000	10573	14484
MRPL3	99.4091	96.803	83.7314	117.699	110.705	87.8483	mitochondrial ribosomal protein L3 [Source:HGNC Symbol;Acc:H	chr3:13118	NM_00720	.	.	.	NP_00913	.	protein_co	ENSG0000	11222	10379
MRPL30	30.8588	28.6337	31.3553	36.77	37.5927	31.3394	mitochondrial ribosomal protein L30 [Source:HGNC Symbol;Acc:H	chr2:99771	NM_14521	.	.	.	NP_66021	.	protein_co	ENSG0000	51263	14036
MRPL32	56.8821	58.0121	55.7223	85.4297	63.1344	44.3894	mitochondrial ribosomal protein L32 [Source:HGNC Symbol;Acc:H	chr7:42956	NM_03190	.	.	.	NP_11410	.	protein_co	ENSG0000	64983	14035
MRPL33	180.825	162.989	174.29	218.034	192.891	171.312	mitochondrial ribosomal protein L33 [Source:HGNC Symbol;Acc:H	chr2:27994	NM_00489	.	.	.	NP_00488	.	protein_co	ENSG0000	9553	14487
MRPL34	114.875	111.777	99.2114	148.934	115.947	87.5528	mitochondrial ribosomal protein L34 [Source:HGNC Symbol;Acc:H	chr19:1740	NM_02393	XM_01152	.	.	NP_07642	XP_011526	protein_co	ENSG0000	64981	14488
MRPL35	57.0043	51.0563	43.8731	67.7175	53.0558	47.4968	mitochondrial ribosomal protein L35 [Source:HGNC Symbol;Acc:H	chr2:86426	NM_01662	XM_00526	.	.	NP_05770	XP_005264	protein_co	ENSG0000	51318	14489
MRPL36	95.1563	85.4404	95.1588	126.909	100.431	64.5762	mitochondrial ribosomal protein L36 [Source:HGNC Symbol;Acc:H	chr5:17984	NM_03247	XM_01700	.	.	NP_11586	XP_016865	protein_co	ENSG0000	64979	14490
MRPL37	82.1393	83.2514	78.9326	91.4804	73.8244	67.4248	mitochondrial ribosomal protein L37 [Source:HGNC Symbol;Acc:H	chr1:54665	NM_01649	XM_00527	.	.	NP_05757	XP_005270	protein_co	ENSG0000	51253	14034
MRPL38	74.2516	74.1705	65.1263	112.766	89.8733	68.0599	mitochondrial ribosomal protein L38 [Source:HGNC Symbol;Acc:H	chr17:7389	NM_03247	.	.	.	NP_11586	.	protein_co	ENSG0000	64978	14033
MRPL39	28.567	27.0003	27.1179	33.9633	34.3859	31.6725	mitochondrial ribosomal protein L39 [Source:HGNC Symbol;Acc:H	chr21:2695	NM_01744	XM_01152	.	.	NP_05914	XP_006724	protein_co	ENSG0000	54148	14027
MRPL4	96.8507	101.862	91.9947	110.273	93.7445	76.0825	mitochondrial ribosomal protein L4 [Source:HGNC Symbol;Acc:H	chr19:1036	NM_01595	XM_01152	.	.	NP_05704	XP_011526	protein_co	ENSG0000	51073	14276
MRPL40	43.1045	42.0725	38.4664	56.5265	46.3446	44.1842	mitochondrial ribosomal protein L40 [Source:HGNC Symbol;Acc:H	chr22:1941	NM_00377	.	.	.	NP_00376	.	protein_co	ENSG0000	64976	14491
MRPL41	82.8272	81.3811	83.3441	98.8943	67.979	70.8197	mitochondrial ribosomal protein L41 [Source:HGNC Symbol;Acc:H	chr9:14044	NM_03247	.	.	.	NP_11586	.	protein_co	ENSG0000	64975	14492
MRPL42	70.5515	66.451	66.6762	88.0762	79.0354	96.9751	mitochondrial ribosomal protein L42 [Source:HGNC Symbol;Acc:H	chr12:9386	NM_01405	.	.	.	NP_05476	.	protein_co	ENSG0000	28977	14493
MRPL43	107.98	98.0404	107.142	129.01	110.603	87.5453	mitochondrial ribosomal protein L43 [Source:HGNC Symbol;Acc:H	chr10:1027	NM_00130	XM_00671	.	.	NP_00129	XP_005270	protein_co	ENSG0000	84545	14517
MRPL44	44.8826	43.0153	40.5005	50.618	46.2376	40.7935	mitochondrial ribosomal protein L44 [Source:HGNC Symbol;Acc:H	chr2:22482	NM_02291	.	.	.	NP_07506	.	protein_co	ENSG0000	65080	16650
MRPL45	55.5177	54.373	56.0455	64.4565	54.8361	58.2561	mitochondrial ribosomal protein L45 [Source:HGNC Symbol;Acc:H	chr17:3645	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	84311	16651
MRPL46	30.3461	31.0153	29.4459	38.4571	29.6615	22.7987	mitochondrial ribosomal protein L46 [Source:HGNC Symbol;Acc:H	chr15:8900	NM_02216	.	.	.	NP_07144	.	protein_co	ENSG0000	26589	1192
MRPL47	59.169	50.1646	45.7917	69.9499	54.6096	48.7454	mitochondrial ribosomal protein L47 [Source:HGNC Symbol;Acc:H	chr3:17928	NM_02040	.	.	.	NP_06514	.	protein_co	ENSG0000	57129	16652
MRPL48	32.1995	30.5534	25.6936	44.7528	33.7386	36.8609	mitochondrial ribosomal protein L48 [Source:HGNC Symbol;Acc:H	chr11:7349	NM_00131	XM_01701	.	.	NP_00130	XP_016873	protein_co	ENSG0000	51642	16653
MRPL49	67.7476	71.1147	65.8996	100.762	86.911	61.7626	mitochondrial ribosomal protein L49 [Source:HGNC Symbol;Acc:H	chr11:6488	NM_00492	.	NR_03756	.	NP_00491	.	protein_co	ENSG0000	740	1176
MRPL50	19.7395	19.474	19.1789	23.0503	20.9703	19.2499	mitochondrial ribosomal protein L50 [Source:HGNC Symbol;Acc:H	chr9:10414	NM_01905	.	.	.	NP_06192	.	protein_co	ENSG0000	54534	16654
MRPL51	180.265	165.211	147.047	216.986	168.825	162.094	mitochondrial ribosomal protein L51 [Source:HGNC Symbol;Acc:H	chr12:6601	NM_01649	.	.	.	NP_05758	.	protein_co	ENSG0000	51258	14044
MRPL52	111.375	104.056	86.8469	138.013	108.251	81.9793	mitochondrial ribosomal protein L52 [Source:HGNC Symbol;Acc:H	chr14:2329	NM_00131	XM_00526	.	.	NP_00130	XP_005267	protein_co	ENSG0000	122704	16655

MRPL53	43.2478	41.4297	41.3449	37.8404	37.7383	36.2978	mitochondrial ribosomal protein L53 [Source:HGNC Symbol;Acc:H	chr2:74699	NM_05305	.	.	.	NP_444278	.	protein_co	ENSG0000(	116540	16684
MRPL54	44.049	43.7406	36.0883	54.9575	34.6262	32.0012	mitochondrial ribosomal protein L54 [Source:HGNC Symbol;Acc:H	chr19:3762	NM_17225	.	.	.	NP_758455	.	protein_co	ENSG0000(	116541	16685
MRPL55	48.7401	47.8324	44.9607	57.3121	49.4658	36.1456	mitochondrial ribosomal protein L55 [Source:HGNC Symbol;Acc:H	chr1:22829	NM_00132	XM_01154	.	.	NP_001308	XP_005273	protein_co	ENSG0000(	128308	16686
MRPL57	27.2565	23.6753	23.4851	34.7742	30.261	24.0255	mitochondrial ribosomal protein L57 [Source:HGNC Symbol;Acc:H	chr13:2175	NM_02402	.	.	.	NP_076931	XP_016876	protein_co	ENSG0000(	78988	14514
MRPL58	60.3963	58.3007	54.9074	75.9111	58.5397	61.4847	mitochondrial ribosomal protein L58 [Source:HGNC Symbol;Acc:H	chr17:7300	NM_00130	.	.	.	NP_001290	.	protein_co	ENSG0000(	3396	5359
MRPL9	50.2293	47.9396	42.895	62.2128	51.1904	44.984	mitochondrial ribosomal protein L9 [Source:HGNC Symbol;Acc:HG	chr1:15173	NM_00130	.	.	.	NP_001287	.	protein_co	ENSG0000(	65005	14277
MRPS10	38.6729	39.1077	40.3706	37.9717	43.8295	50.7892	mitochondrial ribosomal protein S10 [Source:HGNC Symbol;Acc:H	chr6:42174	NM_01814	XM_01701	.	.	NP_060611	XP_005249	protein_co	ENSG0000(	55173	14502
MRPS11	26.6413	25.0588	21.997	27.3882	21.6202	18.0558	mitochondrial ribosomal protein S11 [Source:HGNC Symbol;Acc:H	chr15:8901	NM_00132	XM_00525	.	.	NP_001308	.	protein_co	ENSG0000(	64963	14050
MRPS12	98.9462	99.2191	87.2825	124.719	99.1447	61.0144	mitochondrial ribosomal protein S12 [Source:HGNC Symbol;Acc:H	chr19:3940	NM_02110	.	.	.	NP_066930	.	protein_co	ENSG0000(	6183	10380
MRPS14	13.9117	11.5797	12.307	14.7237	11.8773	10.4969	mitochondrial ribosomal protein S14 [Source:HGNC Symbol;Acc:H	chr1:17498	NM_02210	.	.	.	NP_071383	.	protein_co	ENSG0000(	63931	14049
MRPS15	72.0716	66.5834	63.2034	93.1046	66.1607	65.654	mitochondrial ribosomal protein S15 [Source:HGNC Symbol;Acc:H	chr1:36921	NM_03128	.	.	.	NP_112570	.	protein_co	ENSG0000(	64960	14504
MRPS16	65.1074	62.3734	61.4187	70.5142	55.5077	56.8339	mitochondrial ribosomal protein S16 [Source:HGNC Symbol;Acc:H	chr10:7492	NM_01606	XM_01701	.	.	NP_057149	XP_016871	protein_co	ENSG0000(	51021	14048
MRPS17	30.8801	28.5933	30.1559	34.2537	34.2854	23.2053	mitochondrial ribosomal protein S17 [Source:HGNC Symbol;Acc:H	chr7:55954	NM_01596	.	.	.	NP_057053	.	protein_co	ENSG0000(	51373	14047
MRPS18A	43.0042	45.0075	41.5182	58.1331	43.9193	39.2205	mitochondrial ribosomal protein S18A [Source:HGNC Symbol;Acc	chr6:43612	NM_00119	XM_00671	.	.	NP_001180	XP_006715	protein_co	ENSG0000(	55168	14515
MRPS18B	89.3855	95.2408	79.0545	107.864	93.0272	78.5151	mitochondrial ribosomal protein S18B [Source:HGNC Symbol;Acc	chr6:30585	NM_01404	.	.	.	NP_054765	.	protein_co	ENSG0000(	28973	14516
MRPS18C	44.2751	46.8768	34.6183	61.9977	52.0417	37.7965	mitochondrial ribosomal protein S18C [Source:HGNC Symbol;Acc	chr4:84377	NM_00129	.	.	.	NP_001284	.	protein_co	ENSG0000(	51023	16633
MRPS2	72.8248	73.2348	74.9922	96.9724	76.4847	59.5217	mitochondrial ribosomal protein S2 [Source:HGNC Symbol;Acc:HG	chr9:13838	NM_01603	XM_00671	.	.	NP_057118	XP_006717	protein_co	ENSG0000(	51116	14495
MRPS21	91.3081	82.8775	91.7831	97.9246	85.1658	77.9001	mitochondrial ribosomal protein S21 [Source:HGNC Symbol;Acc:H	chr1:15026	NM_01899	.	.	.	NP_061870	.	protein_co	ENSG0000(	54460	14046
MRPS22	65.3067	62.5505	60.9792	76.0676	65.994	65.1715	mitochondrial ribosomal protein S22 [Source:HGNC Symbol;Acc:H	chr3:13872	NM_02019	XM_01151	.	.	NP_064576	XP_005247	protein_co	ENSG0000(	56945	14508
MRPS23	129.256	117.32	118.499	165.69	124.697	94.5848	mitochondrial ribosomal protein S23 [Source:HGNC Symbol;Acc:H	chr17:5591	NM_01607	.	.	.	NP_057154	.	protein_co	ENSG0000(	51649	14509
MRPS24	117.623	108.543	97.1532	129.711	97.7207	80.192	mitochondrial ribosomal protein S24 [Source:HGNC Symbol;Acc:H	chr7:43906	NM_03201	.	.	.	NP_114403	.	protein_co	ENSG0000(	64951	14510
MRPS25	24.9322	25.0021	24.0456	28.2699	20.6186	15.6299	mitochondrial ribosomal protein S25 [Source:HGNC Symbol;Acc:H	chr3:14989	NM_02249	XM_01153	.	.	NP_071942	XP_011532	protein_co	ENSG0000(	64432	14511
MRPS26	89.2831	89.3344	78.752	108.195	87.3801	72.4888	mitochondrial ribosomal protein S26 [Source:HGNC Symbol;Acc:H	chr20:3026	NM_03081	.	.	.	NP_110438	.	protein_co	ENSG0000(	64949	14045
MRPS27	55.7775	55.5629	62.0374	59.4652	62.4445	51.3505	mitochondrial ribosomal protein S27 [Source:HGNC Symbol;Acc:H	chr5:71515	NM_00128	.	.	.	NP_001273	.	protein_co	ENSG0000(	23107	14512
MRPS28	81.4856	70.8435	69.3248	82.7581	71.3765	59.9726	mitochondrial ribosomal protein S28 [Source:HGNC Symbol;Acc:H	chr8:80830	NM_01401	.	.	.	NP_054737	.	protein_co	ENSG0000(	28957	14513
MRPS30	47.7825	47.6427	53.4127	53.5001	59.9417	58.501	mitochondrial ribosomal protein S30 [Source:HGNC Symbol;Acc:H	chr5:44809	NM_01664	.	.	.	NP_057724	.	protein_co	ENSG0000(	10884	8769
MRPS31	18.5228	17.6369	17.2305	18.3075	17.1786	15.1989	mitochondrial ribosomal protein S31 [Source:HGNC Symbol;Acc:H	chr13:4130	NM_00583	.	.	.	NP_005821	.	protein_co	ENSG0000(	10240	16632
MRPS33	56.4348	54.6869	54.8019	66.4345	52.2167	52.9715	mitochondrial ribosomal protein S33 [Source:HGNC Symbol;Acc:H	chr7:14070	NM_01607	.	.	.	NP_057155	.	protein_co	ENSG0000(	51650	16634
MRPS34	155.204	140.085	134.484	184.153	141.181	116.936	mitochondrial ribosomal protein S34 [Source:HGNC Symbol;Acc:H	chr16:1821	NM_00130	.	.	.	NP_001287	XP_016879	protein_co	ENSG0000(	65993	16618
MRPS35	42.8715	40.2355	40.5499	45.0053	46.6277	45.4108	mitochondrial ribosomal protein S35 [Source:HGNC Symbol;Acc:H	chr12:2786	NM_00119	.	.	.	NP_001177	.	protein_co	ENSG0000(	60488	16635
MRPS36	29.8425	25.4177	25.8633	27.0629	27.9927	28.6737	mitochondrial ribosomal protein S36 [Source:HGNC Symbol;Acc:H	chr5:68513	NM_03328	.	.	.	NP_150597	.	protein_co	ENSG0000(	92259	16631
MRPS5	35.9971	34.7055	34.9445	38.2672	30.3901	27.8051	mitochondrial ribosomal protein S5 [Source:HGNC Symbol;Acc:HG	chr2:95752	NM_03190	XM_00671	.	.	NP_114108	.	protein_co	ENSG0000(	64969	14498
MRPS6	40.8121	38.6714	47.9378	48.4873	48.2945	43.9862	mitochondrial ribosomal protein S6 [Source:HGNC Symbol;Acc:HG	chr21:3544	NM_03247	.	.	.	NP_115865	.	protein_co	ENSG0000(	64968	14051
MRPS7	99.684	96.5061	78.5832	108.737	91.301	69.6111	mitochondrial ribosomal protein S7 [Source:HGNC Symbol;Acc:HG	chr17:7323	NM_01597	.	.	.	NP_057055	.	protein_co	ENSG0000(	51081	14499
MRPS9	40.3282	36.4103	37.2837	45.7849	44.6602	43.3186	mitochondrial ribosomal protein S9 [Source:HGNC Symbol;Acc:HG	chr2:10565	NM_18264	.	.	.	NP_872578	.	protein_co	ENSG0000(	64965	14501
MRRF	59.1342	55.1956	57.9346	48.5094	38.5559	44.3444	mitochondrial ribosome recycling factor [Source:HGNC Symbol;A	chr9:12499	NM_00117	XM_01151	.	.	NP_001166	XP_005252	protein_co	ENSG0000(	92399	7234
MRS2	23.4332	21.329	23.1519	22.9085	25.1665	25.2151	MRS2, magnesium transporter [Source:HGNC Symbol;Acc:HGNC:	chr6:24403	NM_00128	XM_00524	.	.	NP_001273	XP_005249	protein_co	ENSG0000(	57380	13785
MRTO4	60.2487	62.3908	46.961	83.4486	69.3273	44.767	MRT4 homolog, ribosome maturation factor [Source:HGNC Symb	chr1:19542	NM_01618	.	.	.	NP_057267	.	protein_co	ENSG0000(	51154	18477
MRVI1	2.17226	2.62361	2.68377	2.29501	2.87132	2.19945	murine retrovirus integration site 1 homolog [Source:HGNC Symb	chr11:1059	NM_00109	.	.	.	NP_001092	.	protein_co	ENSG0000(	10335	7237
MS4A1	0	0	0	0	0	0	membrane spanning 4-domains A1 [Source:HGNC Symbol;Acc:HG	chr11:6022	NM_02195	.	.	.	NP_068769	.	protein_co	ENSG0000(	931	7315
MS4A10	0	0	0	0	0	0.040746	membrane spanning 4-domains A10 [Source:HGNC Symbol;Acc:H	chr11:6055	NM_20689	.	.	.	NP_996776	.	protein_co	ENSG0000(	341116	13368
MS4A12	0	0	0	0	0	0	membrane spanning 4-domains A12 [Source:HGNC Symbol;Acc:H	chr11:6026	NM_00116	XM_01154	.	.	NP_001157	XP_011543	protein_co	ENSG0000(	54860	13370
MS4A13	0	0	0	0	0	0	membrane spanning 4-domains A13 [Source:HGNC Symbol;Acc:H	chr11:6028	NM_00101	.	.	.	NP_001012	.	protein_co	ENSG0000(	503497	16674
MS4A14	0	0	0	0	0	0	membrane spanning 4-domains A14 [Source:HGNC Symbol;Acc:H	chr11:6014	NM_00107	.	.	.	NP_001073	.	protein_co	ENSG0000(	84689	30706
MS4A15	1.26109	1.27152	1.81781	3.20646	1.69772	2.78287	membrane spanning 4-domains A15 [Source:HGNC Symbol;Acc:H	chr11:6052	NM_00109	XM_01154	.	.	NP_001092	XP_006718	protein_co	ENSG0000(	219995	28573
MS4A18	0	0	0	0	0	0	membrane spanning 4-domains A18 [Source:HGNC Symbol;Acc:H	chr11:6049	.	XM_01154	.	.	.	XP_011543	protein_co	ENSG0000(	728588	37636
MS4A2	0	0	0	0	0	0	membrane spanning 4-domains A2 [Source:HGNC Symbol;Acc:HG	chr11:5985	NM_00013	XM_01154	.	.	NP_000130	XP_005273	protein_co	ENSG0000(	2206	7316
MS4A3	0	0	0	0	0	0	membrane spanning 4-domains A3 [Source:HGNC Symbol;Acc:HG	chr11:5982	NM_00103	.	.	.	NP_001026	.	protein_co	ENSG0000(	932	7317
MS4A4A	0	0	0	0	0	0	membrane spanning 4-domains A4A [Source:HGNC Symbol;Acc:H	chr11:6004	NM_00124	.	.	.	NP_001230	XP_016873	protein_co	ENSG0000(	51338	13371
MS4A4E	0	0	0	0	0	0	membrane spanning 4-domains A4E [Source:HGNC Symbol;Acc:H	chr11:5997	.	XM_01154	.	.	.	XP_011506	protein_co	ENSG0000(	643680	14284
MS4A5	0	0	0	0	0	0	membrane spanning 4-domains A5 [Source:HGNC Symbol;Acc:HG	chr11:6019	NM_02394	.	.	.	NP_076434	.	protein_co	ENSG0000(	64232	13374
MS4A6A	0	0	0	0	0	0	membrane spanning 4-domains A6A [Source:HGNC Symbol;Acc:H	chr11:5993	NM_00124	XM_01154	.	.	NP_001234	XP_005274	protein_co	ENSG0000(	64231	13375
MS4A6E	0	0	0	0	0	0	membrane spanning 4-domains A6E [Source:HGNC Symbol;Acc:H	chr11:6010	NM_13924	.	.	.	NP_640342	.	protein_co	ENSG0000(	245802	14285
MS4A7	0	0	0	0	0	0	membrane spanning 4-domains A7 [Source:HGNC Symbol;Acc:HG	chr11:6014	NM_02120	.	.	.	NP_067024	.	protein_co	ENSG0000(	58475	13378
MS4A8	0	0	0	0	0	0	membrane spanning 4-domains A8 [Source:HGNC Symbol;Acc:HG	chr11:6046	NM_03145	.	.	.	NP_113645	.	protein_co	ENSG0000(	83661	13380
MSANTD1	0.108182	0.259405	0.132267	0.360716	0.137871	0.376531	Myb/SANT DNA binding domain containing 1 [Source:HGNC Symb	chr4:32460	NM_00104	XM_01151	.	.	NP_001036	XP_006713	protein_co	ENSG0000(	345222	33741
MSANTD2	6.62272	5.47386	5.46637	4.16483	5.45136	4.80878	Myb/SANT DNA binding domain containing 2 [Source:HGNC Symb	chr11:1246	NM_00130	XM_01154	.	.	NP_001288	XP_005271	protein_co	ENSG0000(	79684	26266
MSANTD3	32.0489	29.4441	21.9727	22.5062	23.0268	21.5193	Myb/SANT DNA binding domain containing 3 [Source:HGNC Symb	chr9:10318	NM_00119	.	.	.	NP_001185	.	protein_co	ENSG0000(	91283	23370
MSANTD3-TMEFF1	2.36731	2.19677	0.320206	0.000205	0.95925	1.54526	MSANTD3-TMEFF1 readthrough [Source:HGNC Symbol;Acc:HGN(	chr9:10318	NM_00119	.	.	.	NP_001185	.	protein_co	ENSG0000(	.	38838

MSANTD4	12.1104	16.5911	15.7557	9.21822	14.7736	12.3834	Myb/SANT DNA binding domain containing 4 with coiled-coils [Sc	chr11:1058	NM_03242	XM_01154	.	.	NP_00130	XP_00527	protein_co	ENSG0000	84437	29383
MSC	0	0	0	0	0	0	musculin [Source:HGNC Symbol;Acc:HGNC:7321]	chr8:72753	NM_00509	.	.	.	NP_00508	.	protein_co	ENSG0000	9242	7321
MSGN1	0	0	0	0	0	0	mesogenin 1 [Source:HGNC Symbol;Acc:HGNC:14907]	chr2:17997	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	343930	14907
MSH2	27.2129	26.2877	28.6842	28.013	34.8242	29.5888	mutS homolog 2 [Source:HGNC Symbol;Acc:HGNC:7325]	chr2:47630	NM_00025	XM_01153	.	.	NP_00024	XP_005264	protein_co	ENSG0000	4436	7325
MSH3	0.937909	0.931089	0.681232	0.675646	0.673202	0.88106	mutS homolog 3 [Source:HGNC Symbol;Acc:HGNC:7326]	chr5:79922	NM_00243	.	.	.	NP_00243	.	protein_co	ENSG0000	4437	7326
MSH4	0.288494	0.209624	0.125276	0.083419	0.209526	0.114741	mutS homolog 4 [Source:HGNC Symbol;Acc:HGNC:7327]	chr1:76262	NM_00244	.	.	.	NP_00243	.	protein_co	ENSG0000	4438	7327
MSH5	13.5899	11.3826	16.8376	10.465	9.25737	11.8412	mutS homolog 5 [Source:HGNC Symbol;Acc:HGNC:7328]	chr6:31707	NM_00244	.	.	.	NP_00243	.	protein_co	ENSG0000	4439	7328
MSH6	33.6197	31.9082	28.359	52.6551	60.5336	49.4207	mutS homolog 6 [Source:HGNC Symbol;Acc:HGNC:7329]	chr2:48010	NM_00017	XM_01153	.	.	NP_00017	XP_01153	protein_co	ENSG0000	2956	7329
MSI1	6.92772	7.77673	7.58745	9.01138	10.1034	7.56907	musashi RNA binding protein 1 [Source:HGNC Symbol;Acc:HGNC:	chr12:1207	NM_00244	XM_01153	.	.	NP_00243	XP_00671	protein_co	ENSG0000	4440	7330
MSI2	37.5867	39.2542	56.0254	40.194	44.4624	49.8409	musashi RNA binding protein 2 [Source:HGNC Symbol;Acc:HGNC:	chr17:5533	NM_13896	XM_01152	.	.	NP_00130	XP_005257	protein_co	ENSG0000	124540	18585
MSL1	33.6531	32.7959	31.3974	30.6094	33.9551	33.6185	male specific lethal 1 homolog [Source:HGNC Symbol;Acc:HGNC:	chr17:3827	NM_00101	XM_00525	.	.	NP_00101	XP_005257	protein_co	ENSG0000	339287	27905
MSL2	10.4734	11.429	10.9534	9.21744	12.8685	14.4495	male-specific lethal 2 homolog (Drosophila) [Source:HGNC Symbo	chr3:13586	NM_00114	XM_01151	.	.	NP_00113	XP_005247	protein_co	ENSG0000	55167	25544
MSL3	5.83367	6.34066	6.09396	4.68901	4.59971	6.27445	male-specific lethal 3 homolog (Drosophila) [Source:HGNC Symbo	chrX:11776	NM_00119	XM_01154	.	.	NP_00118	XP_005274	protein_co	ENSG0000	10943	7370
MSLN	22.0124	19.7271	21.3915	18.5106	13.7675	14.1945	mesothelin [Source:HGNC Symbol;Acc:HGNC:7371]	chr16:8107	NM_00117	XM_01702	.	.	NP_00117	XP_005255	protein_co	ENSG0000	10232	7371
MSLNL	0	0	0.038936	0	0	0	mesothelin-like [Source:HGNC Symbol;Acc:HGNC:14170]	chr16:8194	.	.	.	.	.	.	protein_co	ENSG0000	.	14170
MSMB	0	0	0	0	0	0	microseminoprotein beta [Source:HGNC Symbol;Acc:HGNC:7372]	chr10:5154	NM_00244	.	.	.	NP_00243	.	protein_co	ENSG0000	4477	7372
MSMO1	29.5899	29.4201	35.4545	33.5381	43.7228	59.8137	methylsterol monooxygenase 1 [Source:HGNC Symbol;Acc:HGNC	chr4:16624	NM_00101	XM_00526	.	.	NP_00101	XP_005263	protein_co	ENSG0000	6307	10545
MSMP	0.250607	0.253877	0	0.270543	0	0.134025	microseminoprotein, prostate associated [Source:HGNC Symbol;A	chr9:35749	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	692094	29663
MSN	79.4522	80.8746	66.8814	71.848	69.2775	67.0635	moesin [Source:HGNC Symbol;Acc:HGNC:7373]	chrX:64887	NM_00244	XM_01702	.	.	NP_00243	XP_005262	protein_co	ENSG0000	4478	7373
MSR1	0	0.043308	0.041082	0	0	0	macrophage scavenger receptor 1 [Source:HGNC Symbol;Acc:HG	chr8:15965	NM_00244	.	.	.	NP_00243	.	protein_co	ENSG0000	4481	7376
MSRA	4.23937	4.00368	4.23394	6.35699	4.70345	5.85359	methionine sulfoxide reductase A [Source:HGNC Symbol;Acc:HGN	chr8:99117	NM_00113	.	.	.	NP_00112	XP_016868	protein_co	ENSG0000	4482	7377
MSRB1	27.9947	29.4641	29.2737	39.245	30.4515	20.6406	methionine sulfoxide reductase B1 [Source:HGNC Symbol;Acc:HG	chr16:1988	NM_01633	.	.	.	NP_05741	.	protein_co	ENSG0000	51734	14133
MSRB2	6.14804	5.93007	7.04866	7.04425	4.81681	7.17074	methionine sulfoxide reductase B2 [Source:HGNC Symbol;Acc:HG	chr10:2338	NM_01222	.	.	.	NP_03636	.	protein_co	ENSG0000	22921	17061
MSRB3	3.47728	3.35096	4.5167	2.94915	3.02787	3.83964	methionine sulfoxide reductase B3 [Source:HGNC Symbol;Acc:HG	chr12:6567	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	253827	27375
MSS51	0.387844	0.538677	0.765762	0.483394	0.47367	1.15299	MSS51 mitochondrial translational activator [Source:HGNC Symb	chr10:7518	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	118490	21000
MST1	0.870417	1.07818	1.13141	0.379707	0.564037	0.355506	macrophage stimulating 1 [Source:HGNC Symbol;Acc:HGNC:7380	chr3:49711	NM_02099	XM_01153	.	.	NP_06627	XP_006713	protein_co	ENSG0000	4485	7380
MST1R	19.6251	20.4809	18.0436	16.6626	16.1364	14.5744	macrophage stimulating 1 receptor [Source:HGNC Symbol;Acc:HG	chr3:49924	NM_00124	XM_01153	.	.	NP_00123	XP_005265	protein_co	ENSG0000	4486	7381
MSTN	0.156407	0.170462	0.081576	0.072351	0	0.029709	myostatin [Source:HGNC Symbol;Acc:HGNC:4223]	chr2:19092	NM_00525	.	.	.	NP_00525	.	protein_co	ENSG0000	2660	4223
MSTO1	14.872	16.9996	12.211	16.6681	13.8263	9.88192	misato 1, mitochondrial distribution and morphology regulator [S	chr1:15558	NM_00125	XM_01150	NR_04629	.	NP_00124	XP_006711	protein_co	ENSG0000	55154	29678
MSX1	80.3221	78.9629	104.299	78.82	67.7055	84.1113	msh homeobox 1 [Source:HGNC Symbol;Acc:HGNC:7391]	chr4:48613	NM_00244	.	.	.	NP_00243	.	protein_co	ENSG0000	4487	7391
MSX2	7.22189	7.56675	7.89806	14.7081	11.356	10.6813	msh homeobox 2 [Source:HGNC Symbol;Acc:HGNC:7392]	chr5:17415	NM_00244	.	.	.	NP_00244	XP_016864	protein_co	ENSG0000	4488	7392
MT1A	0	0	0	0	0	0	metallothionein 1A [Source:HGNC Symbol;Acc:HGNC:7393]	chr16:5667	NM_00594	.	.	.	NP_00593	.	protein_co	ENSG0000	4489	7393
MT1B	0	0	0.390598	0	0.467244	0	metallothionein 1B [Source:HGNC Symbol;Acc:HGNC:7394]	chr16:5668	NM_00594	.	.	.	NP_00593	.	protein_co	ENSG0000	4490	7394
MT1E	805.661	711.455	525.92	638.103	539.007	544.11	metallothionein 1E [Source:HGNC Symbol;Acc:HGNC:7397]	chr16:5665	NM_17561	XM_00525	.	.	NP_78331	XP_005256	protein_co	ENSG0000	4493	7397
MT1F	10.0801	8.21885	9.70814	16.2723	7.64504	12.3768	metallothionein 1F [Source:HGNC Symbol;Acc:HGNC:7398]	chr16:5669	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	4494	7398
MT1G	0	0	0	0	0	0	metallothionein 1G [Source:HGNC Symbol;Acc:HGNC:7399]	chr16:5670	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	4495	7399
MT1H	0	0	0	0	0	0	metallothionein 1H [Source:HGNC Symbol;Acc:HGNC:7400]	chr16:5670	NM_00595	.	.	.	NP_00594	.	protein_co	ENSG0000	4496	7400
MT1HL1	0	0	0	0	0	0	metallothionein 1H-like 1 [Source:HGNC Symbol;Acc:HGNC:3186	chr1:23716	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	645745	31864
MT1M	0	0	0	0	0	0	metallothionein 1M [Source:HGNC Symbol;Acc:HGNC:14296]	chr16:5666	NM_17687	.	.	.	NP_78984	.	protein_co	ENSG0000	4499	14296
MT1X	159.64	149.62	131.193	121.059	102.081	107.99	metallothionein 1X [Source:HGNC Symbol;Acc:HGNC:7405]	chr16:5671	NM_00595	.	.	.	NP_00594	.	protein_co	ENSG0000	4501	7405
MT2A	1732.11	1638.21	1444.31	1628.35	1315.36	1500.82	metallothionein 2A [Source:HGNC Symbol;Acc:HGNC:7406]	chr16:5664	NM_00595	.	.	.	NP_00594	.	protein_co	ENSG0000	4502	7406
MT3	0	0	0	0	0	0	metallothionein 3 [Source:HGNC Symbol;Acc:HGNC:7408]	chr16:5662	NM_00595	.	.	.	NP_00594	.	protein_co	ENSG0000	4504	7408
MT4	0	0	0	0	0	0	metallothionein 4 [Source:HGNC Symbol;Acc:HGNC:18705]	chr16:5659	NM_03293	.	.	.	NP_11632	.	protein_co	ENSG0000	84560	18705
MTA1	39.4988	38.2314	45.8629	45.7197	37.4767	44.2194	metastasis associated 1 [Source:HGNC Symbol;Acc:HGNC:7410]	chr14:1058	NM_00120	XM_01153	.	.	NP_00119	XP_011535	protein_co	ENSG0000	9112	7410
MTA2	52.1643	53.8048	48.2696	64.8263	57.5946	45.559	metastasis associated 1 family member 2 [Source:HGNC Symbol;A	chr11:6236	NM_00473	.	.	.	NP_00473	XP_016874	protein_co	ENSG0000	9219	7411
MTA3	14.7874	13.8882	15.4583	19.6949	18.6622	17.104	metastasis associated 1 family member 3 [Source:HGNC Symbol;A	chr2:42721	NM_00128	XM_01153	.	.	NP_00126	XP_005264	protein_co	ENSG0000	57504	23784
MTAP	72.5404	73.4756	85.9888	134.765	141.639	129.821	methylthioadenosine phosphorylase [Source:HGNC Symbol;Acc:H	chr9:21802	NM_00245	.	.	.	NP_00244	.	protein_co	ENSG0000	4507	7413
MT-ATP6	0	0	0	0	0	0	mitochondrially encoded ATP synthase 6 [Source:HGNC Symbol;A	chrM:8365	4508		.	.	YP_003024	.	protein_co	ENSG0000	4508	7414
MT-ATP8	0	0	0	0	0	0	mitochondrially encoded ATP synthase 8 [Source:HGNC Symbol;A	chrM:8365	4509		.	.	YP_003024	.	protein_co	ENSG0000	4509	7415
MTBP	6.23585	6.1713	6.92618	6.88147	9.28137	7.81203	MDM2 binding protein [Source:HGNC Symbol;Acc:HGNC:7417]	chr8:12145	NM_02204	.	.	.	NP_07132	.	protein_co	ENSG0000	27085	7417
MTCH1	97.0949	99.9158	99.8354	109.624	98.4503	82.3261	mitochondrial carrier 1 [Source:HGNC Symbol;Acc:HGNC:17586]	chr6:36935	NM_00127	XM_01151	.	.	NP_00125	XP_005249	protein_co	ENSG0000	23787	17586
MTCH2	51.6603	51.4067	52.5401	69.4052	58.9497	49.52	mitochondrial carrier 2 [Source:HGNC Symbol;Acc:HGNC:17587]	chr11:4763	NM_00131	XM_01701	.	.	NP_00130	XP_006718	protein_co	ENSG0000	23788	17587
MTCL1	5.72441	6.37873	6.56628	7.62867	7.29159	6.28296	microtubule crosslinking factor 1 [Source:HGNC Symbol;Acc:HGN	chr18:8705	NM_01521	XM_01152	.	.	NP_05602	XP_005258	protein_co	ENSG0000	23255	29121
MT-CO1	0	0	0	0	0	0	mitochondrially encoded cytochrome c oxidase I [Source:HGNC S	chrM:5903	4512		.	.	YP_003024	.	protein_co	ENSG0000	4512	7419
MT-CO2	0	0	0	0	0	0	mitochondrially encoded cytochrome c oxidase II [Source:HGNC S	chrM:7585	4513		.	.	YP_003024	.	protein_co	ENSG0000	4513	7421
MT-CO3	0	0	0	0	0	0	mitochondrially encoded cytochrome c oxidase III [Source:HGNC	chrM:8365	4514		.	.	YP_003024	.	protein_co	ENSG0000	4514	7422
MTCP1	1.85024	2.0544	1.67827	1.88101	1.66573	1.55553	mature T-cell proliferation 1 [Source:HGNC Symbol;Acc:HGNC:74	chrX:15428	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	4515	7423
MT-CYB	0	0	0	0	0	0	mitochondrially encoded cytochrome b [Source:HGNC Symbol;Ac	chrM:1474	4519		.	.	YP_003024	.	protein_co	ENSG0000	4519	7427
MTDH	53.5456	57.1856	44.2159	61.1811	66.3311	53.5228	metadherin [Source:HGNC Symbol;Acc:HGNC:29608]	chr8:98656	NM_17881	XM_01151	.	.	NP_84892	XP_005251	protein_co	ENSG0000	92140	29608

MTERF1	9.48205	9.54844	9.12949	8.74802	11.6707	7.98682	mitochondrial transcription termination factor 1 [Source:HGNC S	chr7:9150	NM_0013	XM_00671	.	.	NP_00128	XP_00525	protein_co	ENSG0000	7978	21463
MTERF2	4.97792	3.97879	4.91586	4.33382	5.69159	4.90664	mitochondrial transcription termination factor 2 [Source:HGNC S	chr12:1073	NM_00103	XM_01153	.	.	NP_00102	XP_00671	protein_co	ENSG0000	80298	30779
MTERF3	31.4105	29.6903	30.6674	30.1644	38.8941	28.9759	mitochondrial transcription termination factor 3 [Source:HGNC S	chr8:9725	NM_00128	XM_01151	.	.	NP_00127	XP_00525	protein_co	ENSG0000	51001	24258
MTERF4	13.7817	10.827	9.88618	10.954	12.3106	7.14408	mitochondrial transcription termination factor 4 [Source:HGNC S	chr2:2419	NM_1825	XM_01151	NR_02805	.	NP_87230	XP_00671	protein_co	ENSG0000	130916	28785
MTF1	6.39451	6.81182	6.60579	6.69836	6.78072	6.53903	metal regulatory transcription factor 1 [Source:HGNC Symbol;Acc	chr1:3827	NM_00595	XM_01154	.	.	NP_00594	XP_01153	protein_co	ENSG0000	4520	7428
MTF2	16.8618	16.5086	18.465	21.7536	20.9406	23.0848	metal response element binding transcription factor 2 [Source:H	chr1:9354	NM_0011	XM_01700	.	.	NP_00115	XP_01153	protein_co	ENSG0000	22823	29535
MTFMT	10.9394	10.0153	11.3731	13.756	12.2957	11.551	mitochondrial methionyl-tRNA formyltransferase [Source:HGNC S	chr15:6529	NM_13924	XM_00525	.	.	NP_64033	XP_00525	protein_co	ENSG0000	123263	29666
MTFP1	37.3637	33.7147	34.8156	43.5732	36.9969	30.3238	mitochondrial fission process 1 [Source:HGNC Symbol;Acc:HGNC:	chr22:3079	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	51537	26945
MTFR1	17.2704	18.6626	18.6631	22.9601	23.3026	19.7527	mitochondrial fission regulator 1 [Source:HGNC Symbol;Acc:HGN	chr8:6655	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	9650	29510
MTFR1L	18.3035	18.8084	20.1513	18.3692	18.2744	17.2274	mitochondrial fission regulator 1 like [Source:HGNC Symbol;Acc:H	chr1:2614	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	56181	28836
MTFR2	11.4248	9.23552	9.10048	8.70399	12.4389	9.25706	mitochondrial fission regulator 2 [Source:HGNC Symbol;Acc:HGN	chr6:1365	NM_00109	XM_01153	.	.	NP_00109	XP_01153	protein_co	ENSG0000	113115	21115
MTG1	9.69473	8.77175	6.21148	10.2331	7.29098	6.49876	mitochondrial ribosome associated GTPase 1 [Source:HGNC Symb	chr10:135	NM_13838	.	.	.	NP_61239	.	protein_co	ENSG0000	92170	32159
MTG2	12.7185	13.5542	11.7322	12.7437	11.7431	9.60175	mitochondrial ribosome associated GTPase 2 [Source:HGNC Symb	chr20:6075	NM_0156	XM_01152	.	.	NP_05648	XP_00526	protein_co	ENSG0000	26164	16239
MTHFD1	55.2622	56.843	51.5765	64.8348	60.5342	49.5836	methylenetetrahydrofolate dehydrogenase, cyclohydrolase and f	chr14:6485	NM_00595	.	.	.	NP_00594	.	protein_co	ENSG0000	4522	7432
MTHFD1L	43.7624	45.0247	28.5287	46.4747	39.5071	46.9846	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1	chr6:1511	NM_00124	XM_01701	.	.	NP_00122	XP_00526	protein_co	ENSG0000	25902	21055
MTHFD2	154.174	153.965	122.565	151.645	149.292	329.168	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2	chr2:7442	NM_00663	.	.	.	NP_00662	.	protein_co	ENSG0000	10797	7434
MTHFD2L	2.05427	2.61269	2.76866	2.45276	2.61403	3.09212	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2	chr4:7499	NM_00114	XM_01700	.	.	NP_00113	XP_00526	protein_co	ENSG0000	441024	31865
MTHFR	3.39293	3.56876	3.3152	2.8242	2.83307	4.14276	methylenetetrahydrofolate reductase (NAD(P)H) [Source:HGNC S	chr1:1182	NM_00595	XM_01154	.	.	NP_00594	XP_00526	protein_co	ENSG0000	4524	7436
MTHFS	26.4873	21.9823	19.7741	26.7467	24.2586	16.8452	5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofo	chr15:8013	NM_00644	.	.	.	NP_00643	.	protein_co	ENSG0000	10588	7437
MTHFSD	10.255	10.6594	11.4361	11.3037	10.413	9.33153	methenyltetrahydrofolate synthetase domain containing [Source	chr16:865	NM_0011	XM_01702	.	.	NP_00115	XP_00525	protein_co	ENSG0000	64779	25778
MTIF2	26.4462	24.5013	20.9829	25.2744	26.5087	23.9338	mitochondrial translational initiation factor 2 [Source:HGNC Symb	chr2:5546	NM_0010	XM_01153	.	.	NP_00100	XP_00526	protein_co	ENSG0000	4528	7441
MTIF3	15.673	15.0969	17.6893	12.0294	15.0984	18.7877	mitochondrial translational initiation factor 3 [Source:HGNC Symb	chr13:2799	NM_0011	XM_01702	.	.	NP_00115	XP_00526	protein_co	ENSG0000	219402	29788
MTM1	3.36244	3.83764	4.29983	3.87191	3.51202	4.30329	myotubularin 1 [Source:HGNC Symbol;Acc:HGNC:7448]	chrX:1497	NM_00025	XM_01702	.	.	NP_00024	XP_00527	protein_co	ENSG0000	4534	7448
MTMR1	11.6291	12.9965	11.3612	12.6467	13.0031	10.6676	myotubularin related protein 1 [Source:HGNC Symbol;Acc:HGNC:	chrX:1498	NM_0013	XM_01153	.	.	NP_00129	XP_00527	protein_co	ENSG0000	8776	7449
MTMR10	5.11848	5.5738	4.81244	4.69987	5.05511	5.96693	myotubularin related protein 10 [Source:HGNC Symbol;Acc:HGN	chr15:311	NM_0177	XM_01152	.	.	NP_06023	XP_00525	protein_co	ENSG0000	54893	25999
MTMR11	4.25005	4.04861	3.58989	3.86511	3.36345	3.29955	myotubularin related protein 11 [Source:HGNC Symbol;Acc:HGN	chr1:1499	NM_00114	XM_01150	.	.	NP_00113	XP_00671	protein_co	ENSG0000	10903	24307
MTMR12	11.1049	12.3463	11.8682	10.1861	11.5223	13.7575	myotubularin related protein 12 [Source:HGNC Symbol;Acc:HGN	chr5:3222	NM_00104	XM_01151	.	.	NP_00103	XP_00524	protein_co	ENSG0000	54545	18191
MTMR14	16.2925	18.2999	15.7466	17.1581	15.0744	14.0638	myotubularin related protein 14 [Source:HGNC Symbol;Acc:HGN	chr3:9691	NM_00107	XM_01153	.	.	NP_00107	XP_00526	protein_co	ENSG0000	64419	26190
MTMR2	12.7725	14.3353	10.8006	14.0388	14.8251	14.2097	myotubularin related protein 2 [Source:HGNC Symbol;Acc:HGNC:	chr11:955	NM_00124	XM_01154	.	.	NP_00123	XP_00527	protein_co	ENSG0000	8898	7450
MTMR3	8.15502	8.75817	8.09497	6.50847	6.75876	8.43088	myotubularin related protein 3 [Source:HGNC Symbol;Acc:HGNC:	chr22:3027	NM_0210	XM_01702	.	.	NP_06657	XP_00526	protein_co	ENSG0000	8897	7451
MTMR4	25.7372	26.7967	21.3608	24.8238	25.2072	21.7188	myotubularin related protein 4 [Source:HGNC Symbol;Acc:HGNC:	chr17:565	NM_00468	XM_01152	.	.	NP_00467	XP_00525	protein_co	ENSG0000	9110	7452
MTMR6	6.77261	6.63496	6.09122	7.84367	9.19556	7.54945	myotubularin related protein 6 [Source:HGNC Symbol;Acc:HGNC:	chr13:2582	NM_00468	XM_01153	.	.	NP_00467	XP_01153	protein_co	ENSG0000	9107	7453
MTMR7	0.020091	0.021434	0.017461	0.045701	0.089032	0.019742	myotubularin related protein 7 [Source:HGNC Symbol;Acc:HGNC:	chr8:1715	NM_00468	XM_01154	.	.	NP_00467	.	protein_co	ENSG0000	9108	7454
MTMR8	0.418331	0.301738	0.65846	0.410084	0.585566	0.342494	myotubularin related protein 8 [Source:HGNC Symbol;Acc:HGNC:	chrX:6348	NM_01767	.	.	.	NP_06014	.	protein_co	ENSG0000	55613	16825
MTMR9	4.22228	4.0088	3.66943	3.84277	3.81692	3.75889	myotubularin related protein 9 [Source:HGNC Symbol;Acc:HGNC:	chr8:1114	NM_01545	XM_01154	.	.	NP_05627	XP_01154	protein_co	ENSG0000	66036	14596
MT-ND1	0	0	0	0	0	0	mitochondrially encoded NADH:ubiquinone oxidoreductase core	chrM:3306	4535	.	.	.	YP_003024	.	protein_co	ENSG0000	4535	7455
MT-ND2	0	0	0	0	0	0	mitochondrially encoded NADH:ubiquinone oxidoreductase core	chrM:4469	4536	.	.	.	YP_003024	.	protein_co	ENSG0000	4536	7456
MT-ND3	0	0	0	0	0	0	mitochondrially encoded NADH:ubiquinone oxidoreductase core	chrM:1005	4537	.	.	.	YP_003024	.	protein_co	ENSG0000	4537	7458
MT-ND4	0	0	0	0	0	0	mitochondrially encoded NADH:ubiquinone oxidoreductase core	chrM:1046	4538	.	.	.	YP_003024	.	protein_co	ENSG0000	4538	7459
MT-ND4L	0	0	0	0	0	0	mitochondrially encoded NADH:ubiquinone oxidoreductase core	chrM:1046	4539	.	.	.	YP_003024	.	protein_co	ENSG0000	4539	7460
MT-ND5	0	0	0	0	0	0	mitochondrially encoded NADH:ubiquinone oxidoreductase core	chrM:1233	4540	.	.	.	YP_003024	.	protein_co	ENSG0000	4540	7461
MT-ND6	0	0	0	0	0	0	mitochondrially encoded NADH:ubiquinone oxidoreductase core	chrM:1414	4541	.	.	.	YP_003024	.	protein_co	ENSG0000	4541	7462
MTNR1A	0.686655	0.380649	0.844384	0.830147	0.616054	0.407986	melatonin receptor 1A [Source:HGNC Symbol;Acc:HGNC:7463]	chr4:1873	NM_00595	.	.	.	NP_00594	.	protein_co	ENSG0000	4543	7463
MTNR1B	0	0	0.04594	0	0	0	melatonin receptor 1B [Source:HGNC Symbol;Acc:HGNC:7464]	chr11:927	NM_00595	XM_01154	.	.	NP_00595	XP_01154	protein_co	ENSG0000	4544	7464
MTO1	13.593	14.5666	12.8858	14.8006	13.3894	17.3104	mitochondrial tRNA translation optimization 1 [Source:HGNC Sym	chr6:7417	NM_00112	XM_01701	.	.	NP_0011	XP_00671	protein_co	ENSG0000	25821	19261
MTOR	16.7166	16.2833	14.882	17.6789	18.0698	14.6437	mechanistic target of rapamycin [Source:HGNC Symbol;Acc:HGN	chr1:1116	NM_00495	XM_01700	.	.	NP_00494	XP_00526	protein_co	ENSG0000	2475	3942
MTPAP	9.14955	9.16835	9.20884	9.60227	10.6214	9.11777	mitochondrial poly(A) polymerase [Source:HGNC Symbol;Acc:HG	chr10:3059	NM_0181	.	NR_10698	.	NP_06057	.	protein_co	ENSG0000	102466227	25532
MTPN	86.3007	96.8498	93.3572	87.0174	93.5538	100.521	myotrophin [Source:HGNC Symbol;Acc:HGNC:15667]	chr7:13561	NM_1458	.	.	.	NP_66580	.	protein_co	ENSG0000	136319	15667
MTR	6.17155	6.62629	6.39667	5.80139	7.17019	7.47016	5-methyltetrahydrofolate-homocysteine methyltransferase [Sour	chr1:23695	NM_00025	XM_01154	.	.	NP_00024	XP_005273	protein_co	ENSG0000	4548	7468
MTRF1	5.15496	4.85355	7.17155	3.37951	6.56981	4.35265	mitochondrial translational release factor 1 [Source:HGNC Symbo	chr13:4179	NM_00429	XM_01702	.	.	NP_00428	XP_00526	protein_co	ENSG0000	9617	7469
MTRF1L	5.19476	6.06247	5.33603	5.95704	5.91739	5.8337	mitochondrial translational release factor 1 like [Source:HGNC Sy	chr6:1533	NM_00111	.	NR_12605	.	NP_00110	.	protein_co	ENSG0000	54516	21051
MTRNR2L1	225.023	203.917	230.641	194.208	151.926	223.374	MT-RNR2-like 1 [Source:HGNC Symbol;Acc:HGNC:37155]	chr17:2202	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	10046297	37155
MTRNR2L10	103.266	91.7412	104.296	80.5513	65.2673	90.9581	MT-RNR2-like 10 [Source:HGNC Symbol;Acc:HGNC:37167]	chrX:5520	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	10046348	37167
MTRNR2L11	3.94034	2.51738	2.90234	3.75281	1.40329	2.52723	MT-RNR2-like 11 [Source:HGNC Symbol;Acc:HGNC:37168]	chr1:2381	.	.	.	.	.	.	protein_co	ENSG0000	.	37168
MTRNR2L12	3653.73	3169.35	4081.89	3061.99	3227.44	4112.49	MT-RNR2-like 12 [Source:HGNC Symbol;Acc:HGNC:37169]	chr3:9633	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	10046298	37169
MTRNR2L13	0	0	0	0	0	0	MT-RNR2-like 13 [Source:HGNC Symbol;Acc:HGNC:37170]	chr4:1172	.	.	NR_03173	.	.	.	protein_co	ENSG0000	10030229	37170
MTRNR2L3	3.10379	3.20331	3.31609	2.60591	2.29153	2.24586	MT-RNR2-like 3 [Source:HGNC Symbol;Acc:HGNC:37157]	chr20:559	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	10046298	37157
MTRNR2L4	0	0	0.081103	0	0	0	MT-RNR2-like 4 [Source:HGNC Symbol;Acc:HGNC:37161]	chr16:342	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	10046328	37161
MTRNR2L5	0	0	0	0	0	0	MT-RNR2-like 5 [Source:HGNC Symbol;Acc:HGNC:37162]	chr10:573	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	10046328	37162

MTRNR2L6	46.5295	46.7554	56.7996	45.9887	29.5196	48.8978	MT-RNR2-like 6 [Source:HGNC Symbol;Acc:HGNC:37163]	chr7:14237	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	100463482	37163
MTRNR2L7	0	0	0	0	0	0	MT-RNR2-like 7 [Source:HGNC Symbol;Acc:HGNC:37164]	chr10:3789	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	100288485	37164
MTRNR2L8	384.975	311.839	435.032	306.006	347.64	450.085	MT-RNR2-like 8 [Source:HGNC Symbol;Acc:HGNC:37165]	chr11:1052	NM_00119	.	NR_03970	.	NP_00117	.	protein_co	ENSG0000	100616263	37165
MTRR	14.2639	14.8384	11.1518	14.294	14.7197	10.1356	5-methyltetrahydrofolate-homocysteine methyltransferase reduc	chr5:78692	NM_00245	XM_01151	.	XR_001742	NP_00244	XP_011512	protein_co	ENSG0000	107986404	7473
MTSS1	1.7832	2.06449	2.26496	1.13584	1.23589	1.17194	metastasis suppressor 1 [Source:HGNC Symbol;Acc:HGNC:20443]	chr8:12555	NM_00128	XM_01701	.	.	NP_00126	XP_005251	protein_co	ENSG0000	9788	20443
MTSS1L	13.0722	13.2025	14.0286	14.8566	13.2044	11.6087	metastasis suppressor 1 like [Source:HGNC Symbol;Acc:HGNC:25	chr16:7069	NM_13838	XM_01152	.	.	NP_61239	XP_005256	protein_co	ENSG0000	92154	25094
MTTP	0.078907	0.090602	0.074669	0.096649	0.13267	0.104914	microsomal triglyceride transfer protein [Source:HGNC Symbol;A	chr4:10048	NM_00025	.	.	.	NP_00024	.	protein_co	ENSG0000	4547	7467
MTURN	6.05748	5.93719	7.38804	4.93362	5.54287	4.99719	maturin, neural progenitor differentiation regulator homolog [So	chr7:30174	NM_15279	XM_00524	.	.	NP_69000	XP_005249	protein_co	ENSG0000	222166	25457
MTUS1	33.4863	33.2206	27.3639	28.2517	33.4242	33.2437	microtubule associated tumor suppressor 1 [Source:HGNC Symbo	chr8:17501	NM_00100	XM_01701	.	.	NP_00100	XP_005273	protein_co	ENSG0000	57509	29789
MTUS2	0	0.00924	0.031372	0	0.107171	0.028389	microtubule associated tumor suppressor candidate 2 [Source:H	chr13:2939	NM_00103	XM_01153	.	.	NP_00102	XP_011533	protein_co	ENSG0000	23281	20595
MTX1	46.019	39.6155	40.7298	49.3678	38.1928	34.7791	metaxin 1 [Source:HGNC Symbol;Acc:HGNC:7504]	chr1:15517	NM_00245	.	.	.	NP_00244	.	protein_co	ENSG0000	4580	7504
MTX2	43.0933	41.8086	45.6189	54.5884	54.3283	55.3478	metaxin 2 [Source:HGNC Symbol;Acc:HGNC:7506]	chr2:17713	NM_00100	XM_01151	.	.	NP_00100	XP_011508	protein_co	ENSG0000	10651	7506
MTX3	13.9045	14.2602	18.0103	11.6597	15.1098	17.2472	metaxin 3 [Source:HGNC Symbol;Acc:HGNC:24812]	chr5:79272	NM_00101	XM_00524	.	.	NP_00101	XP_005248	protein_co	ENSG0000	345778	24812
MUC1	0.80955	1.49175	0.861925	0.991733	0.713485	0.742403	mucin 1, cell surface associated [Source:HGNC Symbol;Acc:HGNC	chr1:15515	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	4582	7508
MUC12	0.017841	0.029028	0.046155	0.023222	0.0244	0.042422	mucin 12, cell surface associated [Source:HGNC Symbol;Acc:HGN	chr7:10061	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	10071	7510
MUC13	0.075416	0.052814	0.109173	0	0.028176	0	mucin 13, cell surface associated [Source:HGNC Symbol;Acc:HGN	chr3:12462	NM_03304	.	.	.	NP_14903	.	protein_co	ENSG0000	56667	7511
MUC15	0	0	0	0	0	0	mucin 15, cell surface associated [Source:HGNC Symbol;Acc:HGN	chr11:2633	NM_00113	XM_01701	.	.	NP_00112	XP_016872	protein_co	ENSG0000	143662	14956
MUC16	0.007825	0.002713	0.003404	0.005761	0.007313	0.006791	mucin 16, cell surface associated [Source:HGNC Symbol;Acc:HGN	chr19:8959	NM_02469	.	.	.	NP_07896	XP_016882	protein_co	ENSG0000	94025	15582
MUC17	0	0	0.007793	0	0	0	mucin 17, cell surface associated [Source:HGNC Symbol;Acc:HGN	chr7:10066	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	140453	16800
MUC2	0.045413	0.011963	0.097304	0	0.028634	0	mucin 2, oligomeric mucus/gel-forming [Source:HGNC Symbol;Ac	chr11:1074	.	.	.	.	.	.	processed_	ENSG0000	.	7512
MUC20	0.663518	0.58031	0.661887	0.779293	0.540695	0.637412	mucin 20, cell surface associated [Source:HGNC Symbol;Acc:HGN	chr3:19544	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	200958	23282
MUC21	0	0.050613	0	0	0	0	mucin 21, cell surface associated [Source:HGNC Symbol;Acc:HGN	chr6:30951	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	394263	21661
MUC22	0	0	0.008716	0	0.011284	0	mucin 22 [Source:HGNC Symbol;Acc:HGNC:39755]	chr6:30978	NM_00119	XM_01151	.	.	NP_00118	XP_011512	protein_co	ENSG0000	100507679	39755
MUC3A	4.86492	4.9484	5.74798	4.36302	3.73963	3.83683	mucin 3A, cell surface associated [Source:HGNC Symbol;Acc:HGN	chr7:10055	NM_00596	XM_01151	.	.	NP_00595	XP_011514	protein_co	ENSG0000	4584	7513
MUC4	0.237679	0.236587	0.27241	0.42784	0.387349	0.322815	mucin 4, cell surface associated [Source:HGNC Symbol;Acc:HGNC	chr3:19547	NM_00453	.	.	.	NP_00452	.	protein_co	ENSG0000	4585	7514
MUC5AC	0	0	0	0	0	0	mucin 5AC, oligomeric mucus/gel-forming [Source:HGNC Symbol;	chr11:1151	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	4586	7515
MUC5B	0.012003	0.015607	0.020626	0.004221	0.023465	0.004565	mucin 5B, oligomeric mucus/gel-forming [Source:HGNC Symbol;A	chr11:1244	NM_00245	.	.	.	NP_00244	.	protein_co	ENSG0000	727897	7516
MUC6	0	0	0	0	0.010214	0	mucin 6, oligomeric mucus/gel-forming [Source:HGNC Symbol;Ac	chr11:1012	NM_00596	.	.	.	NP_00595	.	protein_co	ENSG0000	4588	7517
MUC7	0	0	0	0	0	0	mucin 7, secreted [Source:HGNC Symbol;Acc:HGNC:7518]	chr4:71296	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	4589	7518
MUC8	0	0	0	0	0	0	mucin 8 [Source:HGNC Symbol;Acc:7519]	chr12:1330	.	XM_00526	.	.	.	XP_005276	protein_co	ENSG0000	100129528	7519
MUCL1	0	0	0	0	0	0	mucin like 1 [Source:HGNC Symbol;Acc:HGNC:30588]	chr12:5523	NM_05817	XM_01153	.	.	NP_47752	XP_011536	protein_co	ENSG0000	118430	30588
MUL1	24.1948	24.904	23.2867	23.9936	18.1211	18.7385	mitochondrial E3 ubiquitin protein ligase 1 [Source:HGNC Symbol	chr1:20825	NM_02454	.	.	.	NP_07882	.	protein_co	ENSG0000	79594	25762
MUM1	19.0666	19.4385	17.9024	20.0661	17.3106	15.0877	melanoma associated antigen (mutated) 1 [Source:HGNC Symbol	chr19:1356	NM_03285	XM_01152	.	.	NP_11624	XP_011526	protein_co	ENSG0000	84939	29641
MUM1L1	3.97927	4.18995	3.93607	4.83694	5.9934	4.46188	MUM1 like 1 [Source:HGNC Symbol;Acc:HGNC:26583]	chrX:10541	NM_00117	XM_01702	.	.	NP_00116	XP_005262	protein_co	ENSG0000	139221	26583
MURC	0.660894	0.615292	0.85712	0.656425	0.824631	0.499924	muscle related coiled-coil protein [Source:HGNC Symbol;Acc:HGN	chr9:10334	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	347273	33742
MUS81	13.7848	14.7319	13.5199	14.4158	12.0229	14.8279	MUS81 structure-specific endonuclease subunit [Source:HGNC Sy	chr11:6562	NM_02512	XM_01154	.	.	NP_07940	XP_005274	protein_co	ENSG0000	80198	29814
MUSK	0	0	0	0	0.031833	0	muscle associated receptor tyrosine kinase [Source:HGNC Symbo	chr9:11343	NM_00116	XM_01151	.	.	NP_00115	XP_005252	protein_co	ENSG0000	4593	7525
MUSTN1	3.08495	1.54681	1.62683	3.60173	2.58191	2.96546	musculoskeletal, embryonic nuclear protein 1 [Source:HGNC Sym	chr3:52867	NM_20585	.	.	.	NP_99532	.	protein_co	ENSG0000	389125	22144
MUT	6.9145	7.73242	7.84925	6.29403	7.16863	8.62123	methylmalonyl-CoA mutase [Source:HGNC Symbol;Acc:HGNC:752	chr6:49398	NM_00025	XM_00524	.	.	NP_00024	XP_005249	protein_co	ENSG0000	4594	7526
MUTYH	17.6558	17.2277	13.9363	20.3612	17.0857	13.9736	mutY DNA glycosylase [Source:HGNC Symbol;Acc:HGNC:7527]	chr1:45794	NM_00104	XM_01700	.	.	NP_00104	XP_011539	protein_co	ENSG0000	4595	7527
MVB12A	50.1089	45.6253	40.6954	60.0772	45.7399	42.8609	multivesicular body subunit 12A [Source:HGNC Symbol;Acc:HGN	chr19:1752	NM_13840	.	.	.	NP_61241	.	protein_co	ENSG0000	93343	25153
MVB12B	4.3857	4.53818	3.60162	4.26353	4.43624	2.81339	multivesicular body subunit 12B [Source:HGNC Symbol;Acc:HGN	chr9:12908	NM_00101	XM_01151	.	.	NP_00101	XP_005252	protein_co	ENSG0000	89853	23368
MVD	49.5556	50.6552	54.9699	72.2537	64.5568	49.8432	mevalonate diphosphate decarboxylase [Source:HGNC Symbol;A	chr16:8871	NM_00246	XM_01152	.	.	NP_00245	XP_011521	protein_co	ENSG0000	4597	7529
MVK	15.6623	14.8146	14.7626	11.1403	11.3753	8.90017	mevalonate kinase [Source:HGNC Symbol;Acc:HGNC:7530]	chr12:1099	NM_00043	XM_01153	.	.	NP_00042	XP_011536	protein_co	ENSG0000	4598	7530
MVP	34.1695	35.8817	37.1824	28.3734	24.4663	22.3842	major vault protein [Source:HGNC Symbol;Acc:HGNC:7531]	chr16:2983	NM_00129	.	.	.	NP_00128	.	protein_co	ENSG0000	9961	7531
MX1	0.514956	0.954297	0.622624	0.353242	0.446976	0.274424	MX dynamin like GTPase 1 [Source:HGNC Symbol;Acc:HGNC:7532	chr21:4279	NM_00114	XM_01702	.	.	NP_00113	XP_005261	protein_co	ENSG0000	4599	7532
MX2	0.06763	0.092118	0	0	0.076935	0.070746	MX dynamin like GTPase 2 [Source:HGNC Symbol;Acc:HGNC:7533	chr21:4273	NM_00246	XM_01152	.	.	NP_00245	XP_005261	protein_co	ENSG0000	4600	7533
MXD1	2.96642	2.6152	1.87311	1.64091	2.11448	2.6181	MAX dimerization protein 1 [Source:HGNC Symbol;Acc:HGNC:676	chr2:70142	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	4084	6761
MXD3	16.9876	15.1343	15.5778	26.5704	19.8519	23.6101	MAX dimerization protein 3 [Source:HGNC Symbol;Acc:HGNC:140	chr5:17673	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	83463	14008
MXD4	9.93836	10.2477	13.7315	7.38229	5.63122	9.41804	MAX dimerization protein 4 [Source:HGNC Symbol;Acc:HGNC:139	chr4:22491	NM_00645	.	NR_03996	.	NP_00644	XP_016863	protein_co	ENSG0000	100616358	13906
MXI1	25.6894	26.0345	28.4197	16.5716	17.6515	28.5841	MAX interactor 1, dimerization protein [Source:HGNC Symbol;Ac	chr10:1119	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	4601	7534
MXRA5	0	0	0	0	0	0	matrix remodeling associated 5 [Source:HGNC Symbol;Acc:HGNC	chrX:32266	NM_01541	XM_00527	.	.	NP_05623	XP_005274	protein_co	ENSG0000	25878	7539
MXRA7	34.6791	40.8806	50.71	38.1507	31.3335	43.7693	matrix remodeling associated 7 [Source:HGNC Symbol;Acc:HGNC	chr17:7466	NM_00100	XM_00525	.	.	NP_00100	XP_005257	protein_co	ENSG0000	439921	7541
MXRA8	0.156867	0.050712	0.160666	0.055673	0.061106	0.058758	matrix remodeling associated 8 [Source:HGNC Symbol;Acc:HGNC	chr1:12880	NM_00128	XM_01700	.	.	NP_00126	XP_016857	protein_co	ENSG0000	54587	7542
MYADM	41.8987	42.1895	40.1966	29.1156	32.0092	35.563	myeloid associated differentiation marker [Source:HGNC Symbol;	chr19:5436	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	91663	7544
MYADML2	0	0	0	0	0	0	myeloid associated differentiation marker like 2 [Source:HGNC Sy	chr17:7989	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	255275	34548
MYB	2.31831	2.9822	2.40355	2.737	2.35589	2.37275	MYB proto-oncogene, transcription factor [Source:HGNC Symbol;	chr6:13550	NM_00113	.	NR_13495	.	NP_00112	.	protein_co	ENSG0000	4602	7545
MYBBP1A	26.0393	27.7876	28.8481	24.1024	24.3533	17.6811	MYB binding protein 1a [Source:HGNC Symbol;Acc:HGNC:7546]	chr17:4402	NM_00110	XM_01152	.	.	NP_00109	XP_011521	protein_co	ENSG0000	10514	7546
MYBL1	4.54941	3.55913	3.86875	3.73416	5.8539	5.10729	MYB proto-oncogene like 1 [Source:HGNC Symbol;Acc:HGNC:754	chr8:67474	NM_00108	XM_01701	.	.	NP_00107	XP_011515	protein_co	ENSG0000	4603	7547

MYBL2	35.2122	39.4022	29.9656	52.2809	42.6659	34.6255	MYB proto-oncogene like 2 [Source:HGNC Symbol;Acc:HGNC:754	chr20:4229	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	4605	7548
MYBPC1	0	0	0	0.032226	0	0.015973	myosin binding protein C, slow type [Source:HGNC Symbol;Acc:H	chr12:1019	NM_00125	XM_01701	.	.	NP_00124	XP_005268	protein_co	ENSG0000	4604	7549
MYBPC2	0.01571	0.015658	0.027377	0	0.01818	0	myosin binding protein C, fast type [Source:HGNC Symbol;Acc:HG	chr19:5093	NM_00453	.	.	.	NP_00452	.	protein_co	ENSG0000	4606	7550
MYBPC3	0.047721	0.0626	0.15133	0.102114	0.074668	0.106316	myosin binding protein C, cardiac [Source:HGNC Symbol;Acc:HGN	chr11:4735	NM_00025	XM_01152	.	.	NP_00024	.	protein_co	ENSG0000	4607	7551
MYBPH	0	0	0.069133	0	0	0.044271	myosin binding protein H [Source:HGNC Symbol;Acc:HGNC:7552]	chr1:20313	NM_00499	XM_00524	.	.	NP_00498	XP_005245	protein_co	ENSG0000	4608	7552
MYBPHL	0.049383	0	0.085548	0.053501	0	0	myosin binding protein H like [Source:HGNC Symbol;Acc:HGNC:3	chr1:10983	NM_00101	.	.	.	NP_00101	XP_016856	protein_co	ENSG0000	343263	30434
MYC	214.163	223.527	279.835	182.631	180.242	176.039	v-myc avian myelocytomatosis viral oncogene homolog [Source:H	chr8:12874	NM_00246	.	.	.	NP_00245	.	protein_co	ENSG0000	4609	7553
MYCBP	27.4852	25.4861	23.966	26.3378	27.2372	25.1349	MYC binding protein [Source:HGNC Symbol;Acc:HGNC:7554]	chr1:39328	NM_01233	.	.	.	NP_03646	.	protein_co	ENSG0000	26292	7554
MYCBP2	6.77504	7.05816	7.77951	6.15754	7.42907	7.65581	MYC binding protein 2, E3 ubiquitin protein ligase [Source:HGNC	chr13:7761	NM_01505	XM_01153	.	.	NP_05587	XP_005266	protein_co	ENSG0000	23077	23386
MYCBPAP	0	0	0	0	0.021891	0	MYCBP associated protein [Source:HGNC Symbol;Acc:HGNC:1967	chr17:4858	NM_03213	XM_00525	.	.	NP_11550	XP_005257	protein_co	ENSG0000	84073	19677
MYCL	5.07398	5.57425	6.08517	5.75903	4.76188	8.23445	v-myc avian myelocytomatosis viral oncogene lung carcinoma de	chr1:40361	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	4610	7555
MYCN	0	0	0	0	0	0	v-myc avian myelocytomatosis viral oncogene neuroblastoma de	chr2:16080	NM_00129	XM_01700	.	.	NP_00128	XP_016859	protein_co	ENSG0000	4613	7559
MYCT1	0.031548	0.06829	0	0	0.034595	0.030318	myc target 1 [Source:HGNC Symbol;Acc:HGNC:23172]	chr6:15301	NM_02510	XM_01153	.	.	NP_07938	XP_011534	protein_co	ENSG0000	80177	23172
MYD88	14.6523	14.1643	11.3313	14.6548	13.0256	10.2348	myeloid differentiation primary response 88 [Source:HGNC Symb	chr3:38179	NM_00117	XM_00526	.	.	NP_00116	XP_005265	protein_co	ENSG0000	4615	7562
MYDGF	96.6604	97.6187	73.3588	112.663	91.2568	84.6155	myeloid derived growth factor [Source:HGNC Symbol;Acc:HGNC:	chr19:4657	NM_01910	.	.	.	NP_06198	.	protein_co	ENSG0000	56005	16948
MYEF2	0	0	0	0	0	0	myelin expression factor 2 [Source:HGNC Symbol;Acc:HGNC:1794	chr15:4841	NM_00130	XM_00672	.	.	NP_00128	XP_005254	protein_co	ENSG0000	50804	17940
MYEOV	36.1625	35.7049	45.6702	27.5933	25.5807	21.2524	myeloma overexpressed [Source:HGNC Symbol;Acc:HGNC:7563]	chr11:6906	NM_00129	.	.	.	NP_00128	.	protein_co	ENSG0000	26579	7563
MYF5	0	0	0	0	0	0	myogenic factor 5 [Source:HGNC Symbol;Acc:HGNC:7565]	chr12:8111	NM_00559	.	.	.	NP_00558	.	protein_co	ENSG0000	4617	7565
MYF6	0	0	0	0	0	0	myogenic factor 6 [Source:HGNC Symbol;Acc:HGNC:7566]	chr12:8110	NM_00246	.	.	.	NP_00246	.	protein_co	ENSG0000	4618	7566
MYH1	0	0	0	0	0	0	myosin heavy chain 1 [Source:HGNC Symbol;Acc:HGNC:7567]	chr17:1039	NM_00596	XM_01702	.	.	NP_00595	XP_016880	protein_co	ENSG0000	4619	7567
MYH10	9.69283	9.62211	12.0286	11.869	12.362	12.5929	myosin heavy chain 10 [Source:HGNC Symbol;Acc:HGNC:7568]	chr17:8377	NM_00125	XM_01702	.	.	NP_00124	XP_005256	protein_co	ENSG0000	4628	7568
MYH11	0.024973	0	0	0.017918	0.048358	0.025369	myosin heavy chain 11 [Source:HGNC Symbol;Acc:HGNC:7569]	chr16:1573	NM_00104	XM_01152	.	.	NP_00103	XP_011520	protein_co	ENSG0000	4629	7569
MYH13	0	0.008171	0	0	0.00927	0.008164	myosin heavy chain 13 [Source:HGNC Symbol;Acc:HGNC:7571]	chr17:1020	NM_00380	.	.	.	NP_00379	.	protein_co	ENSG0000	8735	7571
MYH14	12.5124	11.9959	14.1729	13.0406	11.2263	14.0063	myosin heavy chain 14 [Source:HGNC Symbol;Acc:HGNC:23212]	chr19:5069	NM_00107	XM_01152	.	.	NP_00107	XP_006723	protein_co	ENSG0000	79784	23212
MYH15	2.79113	2.89872	2.47337	2.83515	3.32922	3.00815	myosin heavy chain 15 [Source:HGNC Symbol;Acc:HGNC:31073]	chr3:10809	NM_01498	XM_01151	.	.	NP_05579	XP_011510	protein_co	ENSG0000	22989	31073
MYH2	0	0.007941	0	0	0	0	myosin heavy chain 2 [Source:HGNC Symbol;Acc:HGNC:7572]	chr17:1042	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	4620	7572
MYH3	0.644175	0.556222	0.573492	0.501675	0.560908	0.411039	myosin heavy chain 3 [Source:HGNC Symbol;Acc:HGNC:7573]	chr17:1053	NM_00247	XM_01152	.	.	NP_00246	XP_011522	protein_co	ENSG0000	4621	7573
MYH4	0	0	0	0	0	0	myosin heavy chain 4 [Source:HGNC Symbol;Acc:HGNC:7574]	chr17:1034	NM_01753	XM_01702	.	.	NP_06000	XP_016880	protein_co	ENSG0000	4622	7574
MYH6	0	0	0	0	0	0	myosin heavy chain 6 [Source:HGNC Symbol;Acc:HGNC:7576]	chr14:2385	NM_00247	.	.	.	NP_00246	.	protein_co	ENSG0000	4624	7576
MYH7	0	0	0.007429	0	0	0	myosin heavy chain 7 [Source:HGNC Symbol;Acc:HGNC:7577]	chr14:2388	NM_00025	XM_01702	.	.	NP_00024	XP_016876	protein_co	ENSG0000	4625	7577
MYH7B	0.041391	0.060234	0.053952	0.043954	0.036632	0.081922	myosin heavy chain 7B [Source:HGNC Symbol;Acc:HGNC:15906]	chr20:3356	NM_02088	XM_01152	.	.	NP_06593	XP_006723	protein_co	ENSG0000	57644	15906
MYH8	0.008093	0	0	0	0	0	myosin heavy chain 8 [Source:HGNC Symbol;Acc:HGNC:7578]	chr17:1029	NM_00247	XM_01152	.	.	NP_00246	.	protein_co	ENSG0000	4626	7578
MYH9	65.9417	71.6141	57.6819	57.6368	56.5199	59.4295	myosin heavy chain 9 [Source:HGNC Symbol;Acc:HGNC:7579]	chr22:3667	NM_00247	XM_01702	.	.	NP_00246	XP_011528	protein_co	ENSG0000	4627	7579
MYL1	0	0	0	0	0	0	myosin light chain 1 [Source:HGNC Symbol;Acc:HGNC:7582]	chr2:21115	NM_07942	.	.	.	NP_52414	.	protein_co	ENSG0000	4632	7582
MYL10	0	0	0	0	0	0	myosin light chain 10 [Source:HGNC Symbol;Acc:HGNC:29825]	chr7:10125	NM_13840	.	.	.	NP_61241	.	protein_co	ENSG0000	93408	29825
MYL12A	187.172	175.912	216.254	224.704	212.062	348.851	myosin light chain 12A [Source:HGNC Symbol;Acc:HGNC:16701]	chr18:3247	NM_00130	XM_00525	.	.	NP_00128	XP_005258	protein_co	ENSG0000	10627	16701
MYL12B	384.87	350.605	398.086	391.043	385.868	524.122	myosin light chain 12B [Source:HGNC Symbol;Acc:HGNC:29827]	chr18:3261	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	103910	29827
MYL2	0.467691	0.382833	0.42011	0.642683	1.05941	0.292594	myosin light chain 2 [Source:HGNC Symbol;Acc:HGNC:7583]	chr12:1113	NM_00043	.	.	.	NP_00042	.	protein_co	ENSG0000	4633	7583
MYL3	0	0	0	0	0	0	myosin light chain 3 [Source:HGNC Symbol;Acc:HGNC:7584]	chr3:46899	NM_00025	.	.	.	NP_00024	.	protein_co	ENSG0000	4634	7584
MYL4	0	0	0	0.093317	0	0	myosin light chain 4 [Source:HGNC Symbol;Acc:HGNC:7585]	chr17:4528	NM_00100	XM_01152	.	.	NP_00100	XP_005257	protein_co	ENSG0000	4635	7585
MYL5	2.48525	2.40302	2.94206	1.19696	1.51165	1.57464	myosin light chain 5 [Source:HGNC Symbol;Acc:HGNC:7586]	chr4:66622	NM_00247	XM_00671	.	.	NP_00246	XP_006713	protein_co	ENSG0000	4636	7586
MYL6	668.361	615.848	501.103	742.596	531.02	529.378	myosin light chain 6 [Source:HGNC Symbol;Acc:HGNC:7587]	chr12:5655	NM_02101	.	.	.	NP_06629	.	protein_co	ENSG0000	4637	7587
MYL6B	51.6813	49.0437	55.4692	60.654	44.5477	49.3809	myosin light chain 6B [Source:HGNC Symbol;Acc:HGNC:29823]	chr12:5654	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	140465	29823
MYL7	0	0	0	0	0	0	myosin light chain 7 [Source:HGNC Symbol;Acc:HGNC:21719]	chr7:44178	NM_02122	XM_01151	.	.	NP_06704	XP_011513	protein_co	ENSG0000	58498	21719
MYL9	21.8292	23.863	22.4948	29.2729	20.8748	19.0297	myosin light chain 9 [Source:HGNC Symbol;Acc:HGNC:15754]	chr20:3516	NM_00609	.	.	.	NP_00608	.	protein_co	ENSG0000	10398	15754
MYLIP	6.22329	6.49573	6.65647	5.70644	6.28682	7.65267	myosin regulatory light chain interacting protein [Source:HGNC S	chr6:16129	NM_01326	XM_00524	.	.	NP_03739	XP_005249	protein_co	ENSG0000	29116	21155
MYLK	0.847475	0.764767	1.1155	0.818277	1.12324	1.43878	myosin light chain kinase [Source:HGNC Symbol;Acc:HGNC:7590]	chr3:12332	NM_00132	XM_01151	.	.	NP_00130	XP_011511	protein_co	ENSG0000	4638	7590
MYLK2	0.426122	0.425516	0.214948	0.507309	0.233085	0.245773	myosin light chain kinase 2 [Source:HGNC Symbol;Acc:HGNC:162	chr20:3040	NM_03311	.	.	.	NP_14910	.	protein_co	ENSG0000	85366	16243
MYLK3	0.049536	0.022248	0.009321	0.036835	0.037097	0.070753	myosin light chain kinase 3 [Source:HGNC Symbol;Acc:HGNC:298	chr16:4673	NM_00130	XM_01152	.	.	NP_00129	XP_005256	protein_co	ENSG0000	91807	29826
MYLK4	0.130487	0.082206	0.113131	0.058718	0.043878	0.117989	myosin light chain kinase family member 4 [Source:HGNC Symbol	chr6:26638	NM_00101	XM_01701	.	.	NP_00101	XP_005249	protein_co	ENSG0000	340156	27972
MYLPF	0	0	0	0	0	0	myosin light chain, phosphorylatable, fast skeletal muscle [Source	chr16:3038	NM_01329	.	.	.	NP_00131	.	protein_co	ENSG0000	29895	29824
MYNN	9.63882	9.28525	8.78369	9.17257	10.8217	9.92522	myoneurin [Source:HGNC Symbol;Acc:HGNC:14955]	chr3:16949	NM_00118	XM_01151	.	.	NP_00117	XP_005247	protein_co	ENSG0000	55892	14955
MYO10	8.89888	9.46958	9.6856	12.8099	12.337	12.8774	myosin X [Source:HGNC Symbol;Acc:HGNC:7593]	chr5:16662	NM_01233	XM_01151	.	.	NP_03646	XP_005248	protein_co	ENSG0000	4651	7593
MYO15A	0.319756	0.363629	0.49342	0.209131	0.223724	0.370632	myosin XVA [Source:HGNC Symbol;Acc:HGNC:7594]	chr17:1801	NM_01623	XM_01702	.	.	NP_05732	XP_016880	protein_co	ENSG0000	51168	7594
MYO15B	1.02914	0.94166	1.34531	1.73084	1.66976	1.36902	myosin XVB [Source:HGNC Symbol;Acc:HGNC:14083]	chr17:7358	.	.	.	.	.	.	protein_co	ENSG0000	.	14083
MYO16	0.022462	0.023214	0.058403	0.024983	0.025357	0.040571	myosin XVI [Source:HGNC Symbol;Acc:HGNC:29822]	chr13:1092	NM_00119	XM_01152	.	.	NP_00118	XP_011519	protein_co	ENSG0000	23026	29822
MYO18A	8.92436	8.72894	8.94934	8.39324	8.03411	6.62748	myosin XVIIIA [Source:HGNC Symbol;Acc:HGNC:31104]	chr17:2739	NM_07847	.	.	.	NP_51088	.	protein_co	ENSG0000	399687	31104
MYO18B	0	0	0.024815	0.015334	0.008202	0	myosin XVIIIB [Source:HGNC Symbol;Acc:HGNC:18150]	chr22:2613	NM_00131	XM_01702	.	.	NP_00130	XP_005261	protein_co	ENSG0000	84700	18150
MYO19	35.5745	36.2068	27.1524	38.8334	34.3268	27.9111	myosin XIX [Source:HGNC Symbol;Acc:HGNC:26234]	chr17:3484	NM_00103	XM_01152	.	.	NP_00102	XP_011523	protein_co	ENSG0000	80179	26234

MYO1A	0.068008	0.138959	0.147592	0.130589	0.077757	0.123593	myosin IA [Source:HGNC Symbol;Acc:HGNC:7595]	chr12:5740	NM_00125	XM_01153	.	.	NP_00124	XP_01153	protein_co	ENSG0000	4640	7595
MYO1B	26.2555	27.1095	26.3955	27.4273	28.9002	26.355	myosin IB [Source:HGNC Symbol;Acc:HGNC:7596]	chr2:19211	NM_00113	XM_01700	.	.	NP_00112	XP_00524	protein_co	ENSG0000	4430	7596
MYO1C	48.7733	49.4444	52.0292	40.3515	37.4164	52.0495	myosin IC [Source:HGNC Symbol;Acc:HGNC:7597]	chr17:1367	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	4641	7597
MYO1D	15.9883	16.6497	17.7408	15.3218	13.931	15.3726	myosin ID [Source:HGNC Symbol;Acc:HGNC:7598]	chr17:3081	NM_00130	.	.	.	NP_00129	XP_01688	protein_co	ENSG0000	4642	7598
MYO1E	5.53074	6.1286	6.29677	5.84482	5.6201	6.5107	myosin IE [Source:HGNC Symbol;Acc:HGNC:7599]	chr15:5942	NM_00499	.	.	.	NP_00498	.	protein_co	ENSG0000	4643	7599
MYO1F	0.208633	0.222003	0.290816	0.224596	0.167587	0.247142	myosin IF [Source:HGNC Symbol;Acc:HGNC:7600]	chr19:8585	NM_01233	XM_01152	.	.	NP_03646	XP_01152	protein_co	ENSG0000	4542	7600
MYO1G	0.04323	0.021229	0.01856	0.046137	0.05064	0.048112	myosin IG [Source:HGNC Symbol;Acc:HGNC:13880]	chr7:45002	NM_03305	XM_01701	.	.	NP_14904	XP_01686	protein_co	ENSG0000	64005	13880
MYO1H	0	0	0	0.035007	0	0.078881	myosin IH [Source:HGNC Symbol;Acc:HGNC:13879]	chr12:1097	NM_00110	XM_01153	.	.	NP_00109	XP_01153	protein_co	ENSG0000	283446	13879
MYO3A	0	0	0	0	0	0	myosin IIIA [Source:HGNC Symbol;Acc:HGNC:7601]	chr10:2622	NM_01743	XM_01151	.	.	NP_05912	XP_01151	protein_co	ENSG0000	53904	7601
MYO3B	0.037134	0	0.021499	0.013922	0.027652	0.062168	myosin IIIB [Source:HGNC Symbol;Acc:HGNC:15576]	chr2:17103	NM_00108	XM_01151	.	.	NP_00107	XP_00671	protein_co	ENSG0000	140469	15576
MYO5A	4.8224	5.15557	4.48636	4.93679	5.4954	4.6593	myosin VA [Source:HGNC Symbol;Acc:HGNC:7602]	chr15:5259	NM_00025	XM_01152	.	.	NP_00025	XP_00525	protein_co	ENSG0000	4644	7602
MYO5B	14.2049	14.6246	12.0146	15.2338	14.6817	15.1319	myosin VB [Source:HGNC Symbol;Acc:HGNC:7603]	chr18:4734	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	4645	7603
MYO5C	10.0973	10.5519	10.3634	8.0136	9.87539	7.90446	myosin VC [Source:HGNC Symbol;Acc:HGNC:7604]	chr15:5248	NM_01872	XM_01152	.	.	NP_06119	XP_01152	protein_co	ENSG0000	55930	7604
MYO6	14.8817	16.1942	18.0658	16.9266	19.4622	18.9985	myosin VI [Source:HGNC Symbol;Acc:HGNC:7605]	chr6:76458	NM_00130	XM_00524	.	.	NP_00128	XP_00524	protein_co	ENSG0000	4646	7605
MYO7A	0.363077	0.323911	0.544834	0.332434	0.261764	0.617807	myosin VIIA [Source:HGNC Symbol;Acc:HGNC:7606]	chr11:7683	NM_00026	XM_01701	.	.	NP_00025	XP_01154	protein_co	ENSG0000	4647	7606
MYO7B	0.021246	0.020864	0	0	0.024846	0.047539	myosin VIIB [Source:HGNC Symbol;Acc:HGNC:7607]	chr2:12829	NM_00108	XM_01151	.	.	NP_00107	XP_00671	protein_co	ENSG0000	4648	7607
MYO9A	2.63502	3.08322	3.12342	1.95429	2.30239	3.20991	myosin IXA [Source:HGNC Symbol;Acc:HGNC:7608]	chr15:7211	NM_00690	XM_01152	.	.	NP_00883	XP_00672	protein_co	ENSG0000	4649	7608
MYO9B	11.323	11.9037	11.9459	12.8612	11.7616	11.3037	myosin IXB [Source:HGNC Symbol;Acc:HGNC:7609]	chr19:1718	NM_00113	XM_01152	.	.	NP_00112	.	protein_co	ENSG0000	4650	7609
MYOC	0	0	0	0	0	0	myocilin [Source:HGNC Symbol;Acc:HGNC:7610]	chr1:17156	NM_00026	.	.	.	NP_00025	.	protein_co	ENSG0000	4653	7610
MYOCD	0	1.71E-06	0	0	0.009172	0	myocardin [Source:HGNC Symbol;Acc:HGNC:16067]	chr17:1256	NM_00114	XM_00525	.	.	NP_00113	XP_00525	protein_co	ENSG0000	93649	16067
MYOD1	0	0	0	0	0	0	myogenic differentiation 1 [Source:HGNC Symbol;Acc:HGNC:7611	chr11:1774	NM_00247	.	.	.	NP_00246	.	protein_co	ENSG0000	4654	7611
MYOF	50.4339	53.2055	56.6092	46.1367	47.6853	41.6075	myoferlin [Source:HGNC Symbol;Acc:HGNC:3656]	chr10:9506	NM_01345	XM_01153	.	.	NP_03847	XP_00526	protein_co	ENSG0000	26509	3656
MYOG	0	0	0	0	0	0	myogenin [Source:HGNC Symbol;Acc:HGNC:7612]	chr1:20305	NM_00247	.	.	.	NP_00247	.	protein_co	ENSG0000	4656	7612
MYOM1	0.11487	0.161309	0.253058	0.10777	0.110343	0.259693	myomesin 1 [Source:HGNC Symbol;Acc:HGNC:7613]	chr18:3066	NM_00380	.	.	.	NP_00379	XP_01688	protein_co	ENSG0000	8736	7613
MYOM2	0.997194	0.967171	0.885107	0.786629	0.951552	0.741431	myomesin 2 [Source:HGNC Symbol;Acc:HGNC:7614]	chr8:19931	NM_00397	XM_00671	.	.	NP_00396	XP_00671	protein_co	ENSG0000	9172	7614
MYOM3	2.01799	2.02875	2.71561	2.06832	2.0334	2.02464	myomesin 3 [Source:HGNC Symbol;Acc:HGNC:26679]	chr1:24382	NM_15237	.	.	.	NP_68958	.	protein_co	ENSG0000	127294	26679
MYOT	0	0	0	0.045156	0.043749	0	myotilin [Source:HGNC Symbol;Acc:HGNC:12399]	chr5:13720	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	9499	12399
MYOZ1	0	0.048178	0	0	0.054342	0	myozenin 1 [Source:HGNC Symbol;Acc:HGNC:13752]	chr10:7539	NM_02124	.	.	.	NP_06706	.	protein_co	ENSG0000	58529	13752
MYOZ2	0	0	0	0	0	0	myozenin 2 [Source:HGNC Symbol;Acc:HGNC:1330]	chr4:12005	NM_01659	.	.	.	NP_05768	.	protein_co	ENSG0000	51778	1330
MYOZ3	0	0	0	0.198397	0.023469	0.068066	myozenin 3 [Source:HGNC Symbol;Acc:HGNC:18565]	chr5:15004	NM_00112	XM_01153	.	.	NP_00111	XP_01153	protein_co	ENSG0000	91977	18565
MYPN	0.157098	0.059523	0.062197	0.047749	0.080742	0.058776	myopalladin [Source:HGNC Symbol;Acc:HGNC:23246]	chr10:6986	NM_00125	XM_01701	.	.	NP_00124	XP_01687	protein_co	ENSG0000	84665	23246
MYPOP	6.89384	6.87615	6.98772	6.19512	6.13964	3.60141	Myb related transcription factor, partner of profilin [Source:HGN	chr19:4639	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	339344	20178
MYRF	14.9941	14.3605	16.9621	13.8441	13.616	13.0898	myelin regulatory factor [Source:HGNC Symbol;Acc:HGNC:1181]	chr11:6152	NM_00112	XM_01154	.	.	NP_00112	XP_00527	protein_co	ENSG0000	745	1181
MYRFL	0	0.216538	0.097008	0.049916	0	0	myelin regulatory factor-like [Source:HGNC Symbol;Acc:HGNC:26	chr12:7021	NM_18253	XM_01153	.	.	NP_87233	XP_01153	protein_co	ENSG0000	196446	26316
MYRIP	0.585238	0.575474	0.600434	0.216169	0.175461	0.26144	myosin VIIA and Rab interacting protein [Source:HGNC Symbol;A	chr3:39850	NM_00128	XM_01153	.	.	NP_00127	XP_01153	protein_co	ENSG0000	25924	19156
MYSM1	10.444	9.46213	10.8585	9.3294	11.9857	11.0691	Myb like, SWIRM and MPN domains 1 [Source:HGNC Symbol;Acc	chr1:59120	NM_00108	XM_01700	.	.	NP_00107	XP_00671	protein_co	ENSG0000	114803	29401
MYT1	1.2439	1.54591	1.76289	1.65191	1.53173	1.87118	myelin transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:76	chr20:6278	NM_00453	.	.	.	NP_00452	.	protein_co	ENSG0000	4661	7622
MYT1L	0	0	0	0	0	0	myelin transcription factor 1 like [Source:HGNC Symbol;Acc:HGN	chr2:17928	NM_00130	XM_01700	.	.	NP_00128	XP_01150	protein_co	ENSG0000	23040	7623
MYZAP	1.53339	1.50413	1.9532	1.43013	1.55021	2.4459	myocardial zonula adherens protein [Source:HGNC Symbol;Acc:H	chr15:5788	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	100820829	43444
MZB1	0.085652	0	0	0.092775	0	0	marginal zone B and B1 cell specific protein [Source:HGNC Symbo	chr5:13872	NM_01645	.	.	.	NP_05754	.	protein_co	ENSG0000	51237	30125
MZF1	6.84285	6.84267	5.76638	3.45401	2.92226	3.89798	myeloid zinc finger 1 [Source:HGNC Symbol;Acc:HGNC:13108]	chr19:5907	NM_00126	XM_01702	.	.	NP_00125	XP_00525	protein_co	ENSG0000	7593	13108
MZT1	14.7752	16.7562	15.1409	23.5174	21.128	21.5794	mitotic spindle organizing protein 1 [Source:HGNC Symbol;Acc:H	chr13:7328	NM_00107	.	.	.	NP_00106	.	protein_co	ENSG0000	440145	33830
MZT2A	110.026	108.492	95.2611	123.867	94.1708	94.1416	mitotic spindle organizing protein 2A [Source:HGNC Symbol;Acc:H	chr2:13224	NM_00108	.	NR_03994	.	NP_00107	.	protein_co	ENSG0000	100616378	33187
MZT2B	136.669	141.244	140.467	185.027	133.04	162.592	mitotic spindle organizing protein 2B [Source:HGNC Symbol;Acc:H	chr2:13090	NM_02502	XM_01151	.	.	NP_07930	XP_00526	protein_co	ENSG0000	80097	25886
N4BP1	7.42346	7.34713	7.54519	5.88894	7.51931	8.32117	NEDD4 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:29850	chr16:4857	NM_15302	XM_01152	.	.	NP_69457	XP_01152	protein_co	ENSG0000	9683	29850
N4BP2	1.85089	2.18372	1.61399	1.5742	2.26237	2.02006	NEDD4 binding protein 2 [Source:HGNC Symbol;Acc:HGNC:29851	chr4:40058	NM_00131	XM_01700	.	.	NP_00130	XP_00671	protein_co	ENSG0000	55728	29851
N4BP2L1	0.173283	0.270005	0.117312	0	0.049475	0.260992	NEDD4 binding protein 2 like 1 [Source:HGNC Symbol;Acc:HGNC:	chr13:3297	NM_00107	XM_01153	.	.	NP_00107	XP_00671	protein_co	ENSG0000	90634	25037
N4BP2L2	18.0553	17.8415	20.0344	12.622	16.9286	24.3852	NEDD4 binding protein 2 like 2 [Source:HGNC Symbol;Acc:HGNC:	chr13:3300	NM_00127	XM_01153	.	.	NP_00126	XP_01153	protein_co	ENSG0000	10443	26916
N4BP3	3.93976	4.53222	3.7997	3.25287	2.86581	2.96228	NEDD4 binding protein 3 [Source:HGNC Symbol;Acc:HGNC:29852	chr5:17754	NM_01511	XM_01153	.	.	NP_05592	XP_00671	protein_co	ENSG0000	23138	29852
N6AMT1	4.64301	4.15488	3.46394	3.66533	3.88803	3.53905	N-6 adenine-specific DNA methyltransferase 1 (putative) [Source:	chr21:3024	NM_01324	.	.	.	NP_03737	.	protein_co	ENSG0000	29104	16021
NAA10	55.4564	56.91	48.9416	76.7478	52.6945	44.2396	N(alpha)-acetyltransferase 10, NatA catalytic subunit [Source:HG	chrX:15319	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	8260	18704
NAA11	0	0	0	0	0	0	N(alpha)-acetyltransferase 11, NatA catalytic subunit [Source:HG	chr4:80237	NM_03269	.	.	.	NP_11608	XP_01686	protein_co	ENSG0000	84779	28125
NAA15	23.1291	22.2409	24.5736	24.0653	34.0458	28.7263	N(alpha)-acetyltransferase 15, NatA auxiliary subunit [Source:HG	chr4:14021	NM_05717	XM_00526	.	.	NP_47651	XP_00526	protein_co	ENSG0000	80155	30782
NAA16	5.04701	4.8863	4.8328	3.87315	5.46866	4.93208	N(alpha)-acetyltransferase 16, NatA auxiliary subunit [Source:HG	chr13:4188	NM_00111	XM_01153	.	.	NP_00110	XP_00671	protein_co	ENSG0000	79612	26164
NAA20	89.9505	88.1208	67.9629	98.578	84.308	68.4758	N(alpha)-acetyltransferase 20, NatB catalytic subunit [Source:HG	chr20:1999	NM_01610	.	.	.	NP_05718	.	protein_co	ENSG0000	51126	15908
NAA25	15.0061	15.327	14.6839	14.0557	18.3224	15.3696	N(alpha)-acetyltransferase 25, NatB auxiliary subunit [Source:HG	chr12:1124	NM_02495	XM_00671	.	.	NP_07922	XP_00525	protein_co	ENSG0000	80018	25783
NAA30	6.75088	8.06185	7.95966	5.45268	7.36589	8.07207	N(alpha)-acetyltransferase 30, NatC catalytic subunit [Source:HG	chr14:5785	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	122830	19844
NAA35	19.1237	20.1346	20.2848	16.7168	21.2452	19.3685	N(alpha)-acetyltransferase 35, NatC auxiliary subunit [Source:HG	chr9:88556	NM_00132	XM_01151	.	.	NP_00130	XP_00525	protein_co	ENSG0000	60560	24340
NAA38	173.251	149.741	107.658	236.714	159.551	141.229	N(alpha)-acetyltransferase 38, NatC auxiliary subunit [Source:HG	chr17:7760	NM_03235	XM_01152	.	.	NP_00130	XP_00525	protein_co	ENSG0000	84316	28212

NAA40	11.6028	10.9671	9.64538	7.30846	6.6755	4.23207	N(alpha)-acetyltransferase 40, NatD catalytic subunit [Source:HG	chr11:6370	NM_00130	XM_01154	.	.	NP_00128	XP_006718	protein_co	ENSG0000	79829	25845
NAA50	119.876	117.244	121.923	119.714	149.666	133.275	N(alpha)-acetyltransferase 50, NatE catalytic subunit [Source:HG	chr3:11343	NM_00130	XM_00524	.	.	NP_00129	XP_005247	protein_co	ENSG0000	80218	29533
NAA60	16.6808	17.0044	15.1473	19.5181	16.2539	16.9825	N(alpha)-acetyltransferase 60, NatF catalytic subunit [Source:HG	chr16:3493	NM_00108	XM_01152	.	.	NP_00107	XP_011520	protein_co	ENSG0000	79903	25875
NAAA	10.5634	10.1313	10.3622	8.5635	8.88252	6.38597	N-acylethanolamine acid amidase [Source:HGNC Symbol;Acc:HGN	chr4:76834	NM_01443	XM_01153	.	.	NP_00103	XP_005262	protein_co	ENSG0000	27163	736
NAALAD2	0	0	0.021887	0	0	0	N-acetylated alpha-linked acidic dipeptidase 2 [Source:HGNC Sym	chr11:8986	NM_00130	XM_01154	.	.	NP_00128	XP_011540	protein_co	ENSG0000	10003	14526
NAALADL1	0	0	0	0	0.040939	0.060028	N-acetylated alpha-linked acidic dipeptidase-like 1 [Source:HGNC	chr11:6480	NM_00546	XM_01154	.	.	NP_00545	XP_011543	protein_co	ENSG0000	10004	23536
NAALADL2	0.017809	0.00975	0.178097	0.041347	0.058321	0.253215	N-acetylated alpha-linked acidic dipeptidase-like 2 [Source:HGNC	chr3:17457	NM_20701	XM_01151	.	.	NP_99689	XP_006713	protein_co	ENSG0000	254827	23219
NAB1	15.6408	16.1774	17.3289	15.7198	16.59	19.4884	NGFI-A binding protein 1 [Source:HGNC Symbol;Acc:HGNC:7626]	chr2:19151	NM_00596	XM_01151	.	.	NP_00130	XP_005246	protein_co	ENSG0000	4664	7626
NAB2	23.9994	24.9654	31.7514	30.4989	27.4321	39.2897	NGFI-A binding protein 2 [Source:HGNC Symbol;Acc:HGNC:7627]	chr12:5748	NM_00596	XM_00526	.	.	NP_00595	XP_005268	protein_co	ENSG0000	4665	7627
NABP1	9.64784	11.1887	13.1169	8.54969	7.352	8.9211	nucleic acid binding protein 1 [Source:HGNC Symbol;Acc:HGNC:2	chr2:19254	NM_00103	.	.	.	NP_00102	XP_016860	protein_co	ENSG0000	64859	26232
NABP2	40.5281	42.4404	30.5823	47.8375	37.9773	28.178	nucleic acid binding protein 2 [Source:HGNC Symbol;Acc:HGNC:2	chr12:5661	NM_02406	XM_00526	.	.	NP_07697	XP_005269	protein_co	ENSG0000	79035	28412
NACA	652.114	607.072	603.557	652.222	575.638	672.482	nascent polypeptide-associated complex alpha subunit [Source:H	chr12:5710	NM_00111	XM_01153	.	.	NP_00110	XP_006719	protein_co	ENSG0000	4666	7629
NACA2	1.98406	1.90222	3.44351	2.2132	2.14758	2.34843	nascent polypeptide associated complex alpha subunit 2 [Source:	chr17:5966	NM_19929	.	.	.	NP_95498	.	protein_co	ENSG0000	342538	23290
NACAD	0	0	0.025462	0	0	0	NAC alpha domain containing [Source:HGNC Symbol;Acc:HGNC:2	chr7:45120	NM_00114	XM_00671	.	.	NP_00113	XP_006715	protein_co	ENSG0000	23148	22196
NACC1	57.4191	59.8846	58.4838	75.7304	71.9774	66.4457	nucleus accumbens associated 1 [Source:HGNC Symbol;Acc:HGN	chr19:1322	NM_05287	XM_00525	.	.	NP_44310	XP_005259	protein_co	ENSG0000	112939	20967
NACC2	14.7504	15.0196	15.8788	15.0541	16.7509	14.8418	NACC family member 2 [Source:HGNC Symbol;Acc:HGNC:23846]	chr9:13889	NM_14465	XM_01151	.	.	NP_65325	XP_011516	protein_co	ENSG0000	138151	23846
NADK	23.8692	23.4047	21.9025	27.9994	26.8203	21.8999	NAD kinase [Source:HGNC Symbol;Acc:HGNC:29831]	chr1:16826	NM_00119	XM_01154	.	.	NP_00118	XP_005244	protein_co	ENSG0000	65220	29831
NADK2	9.4412	9.04801	8.22533	5.87527	8.43849	9.01386	NAD kinase 2, mitochondrial [Source:HGNC Symbol;Acc:HGNC:26	chr5:36192	NM_00108	XM_01151	.	.	NP_00107	XP_005248	protein_co	ENSG0000	133686	26404
NADSYN1	16.2942	14.5375	19.566	12.6785	12.3399	8.70088	NAD synthetase 1 [Source:HGNC Symbol;Acc:HGNC:29832]	chr11:7116	NM_01816	.	.	.	NP_06063	.	protein_co	ENSG0000	55191	29832
NAE1	44.3261	34.9328	47.6255	34.56	62.5104	57.4774	NEDD8 activating enzyme E1 subunit 1 [Source:HGNC Symbol;Ac	chr16:6683	NM_00101	XM_01152	.	.	NP_00101	XP_005256	protein_co	ENSG0000	8883	621
NAF1	17.0329	18.0516	14.9396	18.0641	18.2376	13.6908	nuclear assembly factor 1 ribonucleoprotein [Source:HGNC Symb	chr4:16403	NM_00112	XM_01153	.	.	NP_00112	XP_011530	protein_co	ENSG0000	92345	25126
NAGA	14.5121	16.0955	13.4575	13.075	12.8397	14.0799	alpha-N-acetylgalactosaminidase [Source:HGNC Symbol;Acc:HGN	chr22:4245	NM_00026	XM_00526	.	.	NP_00025	XP_005261	protein_co	ENSG0000	4668	7631
NAGK	15.4959	14.4819	15.8913	12.7316	10.4128	9.92528	N-acetylglucosamine kinase [Source:HGNC Symbol;Acc:HGNC:17	chr2:71295	NM_01756	XM_01153	.	.	NP_06003	XP_005264	protein_co	ENSG0000	55577	17174
NAGLU	10.6576	10.5842	10.8873	7.83533	6.15419	7.11173	N-acetyl-alpha-glucosaminidase [Source:HGNC Symbol;Acc:HGN	chr17:4068	NM_00026	XM_00672	.	.	NP_00025	XP_006721	protein_co	ENSG0000	4669	7632
NAGPA	11.0235	10.8417	7.90268	10.2359	8.58949	6.73608	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosami	chr16:5074	NM_01625	XM_01152	.	.	NP_05734	XP_011520	protein_co	ENSG0000	51172	17378
NAGS	9.48549	8.79653	8.35897	10.8587	10.6834	8.0646	N-acetylglutamate synthase [Source:HGNC Symbol;Acc:HGNC:17	chr17:4208	NM_15300	XM_01152	.	.	NP_69455	XP_011522	protein_co	ENSG0000	162417	17996
NAIF1	3.68162	4.26818	3.04119	2.78995	2.22973	2.93403	nuclear apoptosis inducing factor 1 [Source:HGNC Symbol;Acc:H	chr9:13082	NM_19795	.	.	.	NP_93104	.	protein_co	ENSG0000	203245	25446
NAIP	0.487053	0.725665	0.669444	0.470361	0.537507	0.693359	NLR family apoptosis inhibitory protein [Source:HGNC Symbol;Ac	chr5:70264	NM_00453	XM_01154	.	.	NP_00452	XP_011541	protein_co	ENSG0000	4671	7634
NALCN	0	0	0	0	0.012854	0.011459	sodium leak channel, non-selective [Source:HGNC Symbol;Acc:H	chr13:1017	NM_05286	XM_01152	.	.	NP_44309	XP_011519	protein_co	ENSG0000	259232	19082
NAMPT	38.7771	36.3634	43.302	35.6421	42.3308	43.4365	nicotinamide phosphoribosyltransferase [Source:HGNC Symbol;A	chr7:10588	NM_00574	XM_00525	.	.	NP_00573	XP_005250	protein_co	ENSG0000	10135	30092
NANOG	0	0	0	0	0.018505	0	Nanog homeobox [Source:HGNC Symbol;Acc:HGNC:20857]	chr12:7941	NM_00129	XM_01152	.	.	NP_00128	XP_011519	protein_co	ENSG0000	79923	20857
NANOGNB	0	0	0	0	0	0	NANOG neighbor homeobox [Source:HGNC Symbol;Acc:HGNC:24	chr12:7917	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	360030	24958
NANOGP8	0	0	0	0	0	0	Nanog homeobox pseudogene 8 [Source:HGNC Symbol;Acc:HGN	chr15:3537	.	.	.	.	.	.	protein_co	ENSG0000	.	23106
NANOS1	0.251302	0.209195	0.539307	0.480237	0.509177	0.4299	nanos C2HC-type zinc finger 1 [Source:HGNC Symbol;Acc:HGNC:2	chr10:1207	NM_19946	.	.	.	NP_95563	.	protein_co	ENSG0000	340719	23044
NANOS2	0	0	0.046878	0	0	0	nanos C2HC-type zinc finger 2 [Source:HGNC Symbol;Acc:HGNC:2	chr19:4641	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	339345	23292
NANOS3	0	0.235117	0	0.12776	0	0.544773	nanos C2HC-type zinc finger 3 [Source:HGNC Symbol;Acc:HGNC:2	chr19:1398	NM_00109	XM_01152	.	.	NP_00109	XP_011526	protein_co	ENSG0000	342977	22048
NANP	5.6232	5.93384	5.90485	6.51949	7.06248	6.39738	N-acetylneuraminic acid phosphatase [Source:HGNC Symbol;Acc:	chr20:2559	NM_15266	.	.	.	NP_68988	.	protein_co	ENSG0000	140838	16140
NANS	48.9311	48.2698	30.931	61.7671	54.6046	41.4532	N-acetylneuraminate synthase [Source:HGNC Symbol;Acc:HGNC:	chr9:10081	NM_01894	.	.	.	NP_06181	.	protein_co	ENSG0000	54187	19237
NAP1L1	178.76	169.962	209.014	177.199	205.646	263.683	nucleosome assembly protein 1 like 1 [Source:HGNC Symbol;Acc:	chr12:7643	NM_00130	XM_01153	.	.	NP_00129	XP_006719	protein_co	ENSG0000	4673	7637
NAP1L2	0	0	0	0	0	0	nucleosome assembly protein 1 like 2 [Source:HGNC Symbol;Acc:	chrX:72432	NM_02196	.	.	.	NP_06879	.	protein_co	ENSG0000	4674	7638
NAP1L3	0	0	0	0	0	0	nucleosome assembly protein 1 like 3 [Source:HGNC Symbol;Acc:	chrX:92925	NM_00453	.	.	.	NP_00452	.	protein_co	ENSG0000	4675	7639
NAP1L4	77.4075	75.7436	72.578	84.0515	75.4229	66.9844	nucleosome assembly protein 1 like 4 [Source:HGNC Symbol;Acc:	chr11:2965	NM_00596	.	.	.	NP_00596	.	protein_co	ENSG0000	4676	7640
NAP1L5	1.60426	1.58641	2.28271	1.99722	1.4489	1.84243	nucleosome assembly protein 1 like 5 [Source:HGNC Symbol;Acc:	chr4:89513	NM_15375	.	.	.	NP_71563	.	protein_co	ENSG0000	266812	19968
NAP1L6	0	0	0	0	0	0	nucleosome assembly protein 1 like 6 [Source:HGNC Symbol;Acc:	chrX:72345	.	.	.	.	.	.	protein_co	ENSG0000	.	31706
NAPA	23.7244	24.4353	23.4417	28.4469	22.1717	19.0198	NSF attachment protein alpha [Source:HGNC Symbol;Acc:HGNC:7	chr19:4799	NM_00382	XM_01152	.	.	NP_00381	XP_011525	protein_co	ENSG0000	8775	7641
NAPB	5.12986	5.45551	5.14076	3.67997	4.46516	4.05105	NSF attachment protein beta [Source:HGNC Symbol;Acc:HGNC:1	chr20:2335	NM_00128	XM_01152	.	.	NP_00126	XP_011527	protein_co	ENSG0000	63908	15751
NAPEPLD	3.87677	4.37287	3.89247	3.50007	4.02414	4.36321	N-acyl phosphatidylethanolamine phospholipase D [Source:HGN	chr7:10274	NM_00112	XM_01701	.	.	NP_00111	XP_005250	protein_co	ENSG0000	222236	21683
NAPG	11.4554	12.018	12.0331	12.127	12.2711	12.4514	NSF attachment protein gamma [Source:HGNC Symbol;Acc:HGN	chr18:1052	NM_00382	XM_01702	.	.	NP_00381	XP_011524	protein_co	ENSG0000	8774	7642
NAPRT	64.5539	68.8728	74.074	104.502	82.7159	92.7051	nicotinate phosphoribosyltransferase [Source:HGNC Symbol;Acc:	chr8:14465	NM_00128	XM_01151	.	.	NP_00127	.	protein_co	ENSG0000	93100	30450
NAPSA	1.36815	1.26461	0.905766	0.911961	0.664283	0.678274	napsin A aspartic peptidase [Source:HGNC Symbol;Acc:HGNC:133	chr19:5086	NM_00485	XM_01152	.	.	NP_00484	XP_011525	protein_co	ENSG0000	9476	13395
NARF	29.8747	28.3846	30.4927	34.6003	32.4145	35.235	nuclear prelamin A recognition factor [Source:HGNC Symbol;Acc:	chr17:8041	NM_00103	XM_01152	.	.	NP_00103	XP_005256	protein_co	ENSG0000	26502	29916
NARFL	14.4527	14.0714	12.6264	11.9596	9.13926	9.33718	nuclear prelamin A recognition factor like [Source:HGNC Symbol;	chr16:7797	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	64428	14179
NARS	106.171	104.672	82.2328	90.3628	89.4327	122.34	asparaginyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:76	chr18:5526	NM_00453	XM_00526	.	.	NP_00453	XP_005266	protein_co	ENSG0000	4677	7643
NARS2	13.6139	13.2066	12.8912	12.9725	13.9769	13.3259	asparaginyl-tRNA synthetase 2, mitochondrial (putative) [Source:	chr11:7814	NM_00124	XM_01154	.	.	NP_00123	XP_011543	protein_co	ENSG0000	79731	26274
NASP	130.381	124.665	115.714	161.647	135.086	128.021	nuclear autoantigenic sperm protein [Source:HGNC Symbol;Acc:H	chr1:46049	NM_00119	XM_01154	.	.	NP_00118	XP_005270	protein_co	ENSG0000	4678	7644
NAT1	2.79555	2.77108	2.49881	4.198	3.34354	2.66384	N-acetyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:7645]	chr8:18067	NM_00066	XM_01154	.	.	NP_00065	XP_006716	protein_co	ENSG0000	9	7645
NAT10	41.5369	44.2307	39.3589	43.6907	39.8819	31.3768	N-acetyltransferase 10 [Source:HGNC Symbol;Acc:HGNC:29830]	chr11:3412	NM_00114	XM_01152	.	.	NP_00113	XP_011518	protein_co	ENSG0000	55226	29830
NAT14	31.2698	30.4717	34.4188	45.0171	34.4877	35.0489	N-acetyltransferase 14 (putative) [Source:HGNC Symbol;Acc:HGN	chr19:5599	NM_02037	.	.	.	NP_06511	.	protein_co	ENSG0000	57106	28918
NAT16	1.71203	1.89095	1.60082	1.11149	1.00943	1.18949	N-acetyltransferase 16 (putative) [Source:HGNC Symbol;Acc:HGN	chr7:10081	NM_19857	XM_01151	.	.	NP_94097	XP_005250	protein_co	ENSG0000	375607	22030

NAT2	0	0	0	0.143973	0	0	N-acetyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:7646]	chr8:18248	NM_00001	XM_01154	.	.	NP_00000	XP_011542	protein_co	ENSG0000	10	7646
NAT6	6.02942	7.03895	6.36399	5.19667	3.05986	5.16558	N-acetyltransferase 6 [Source:HGNC Symbol;Acc:HGNC:30252]	chr3:50316	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	24142	30252
NAT8	0	0	0	0.103727	0	0	N-acetyltransferase 8 (putative) [Source:HGNC Symbol;Acc:HGNC	chr2:73867	NM_00396	.	.	.	NP_00395	.	protein_co	ENSG0000	9027	18069
NAT8L	6.50694	6.39527	7.65171	4.59995	4.63441	3.90405	N-acetyltransferase 8 like [Source:HGNC Symbol;Acc:HGNC:2674	chr4:20612	NM_17855	.	.	.	NP_84865	.	protein_co	ENSG0000	339983	26742
NAT9	38.1357	33.8529	42.0348	31.3553	27.7042	24.1645	N-acetyltransferase 9 (putative) [Source:HGNC Symbol;Acc:HGNC	chr17:7276	NM_00130	XM_01702	.	.	NP_00129	XP_005257	protein_co	ENSG0000	26151	23133
NATD1	2.12581	2.44512	2.7579	2.01079	1.77984	2.19149	N-acetyltransferase domain containing 1 [Source:HGNC Symbol;A	chr17:2114	NM_15291	.	.	.	NP_69087	.	protein_co	ENSG0000	256302	30770
NAV1	5.24666	4.85767	5.35738	5.42599	5.60361	5.63354	neuron navigator 1 [Source:HGNC Symbol;Acc:HGNC:15989]	chr1:20159	NM_00116	XM_01151	.	.	NP_00116	XP_006711	protein_co	ENSG0000	89796	15989
NAV2	0.403095	0.564626	0.763922	0.702023	0.695358	0.720349	neuron navigator 2 [Source:HGNC Symbol;Acc:HGNC:15997]	chr11:1937	NM_00111	XM_01701	.	.	NP_00110	XP_005253	protein_co	ENSG0000	89797	15997
NAV3	2.49844	2.33086	1.55992	0.803013	1.10205	1.17246	neuron navigator 3 [Source:HGNC Symbol;Acc:HGNC:15998]	chr12:7822	NM_00102	XM_01702	.	.	NP_00101	XP_005269	protein_co	ENSG0000	89795	15998
NAXD	28.975	27.3165	25.1456	24.8279	24.4161	23.0162	NAD(P)HX dehydratase [Source:HGNC Symbol;Acc:HGNC:25576]	chr13:1112	NM_00124	.	NR_04010	.	NP_00122	.	protein_co	ENSG0000	55739	25576
NAXE	83.8195	83.2343	87.1203	101.63	85.0108	78.9887	NAD(P)HX epimerase [Source:HGNC Symbol;Acc:HGNC:18453]	chr1:15656	NM_14477	.	.	.	NP_65898	.	protein_co	ENSG0000	128240	18453
NBAS	6.12081	5.7367	6.5098	6.64766	7.72671	7.45684	neuroblastoma amplified sequence [Source:HGNC Symbol;Acc:H	chr2:15307	NM_01590	XM_01700	.	.	NP_05699	XP_011508	protein_co	ENSG0000	51594	15625
NBEA	1.04616	0.772872	1.31523	0.483546	0.670106	1.59931	neurobeachin [Source:HGNC Symbol;Acc:HGNC:7648]	chr13:3551	NM_00120	XM_01702	.	.	NP_00119	XP_005266	protein_co	ENSG0000	26960	7648
NBEAL1	1.22992	1.2693	2.03829	0.949722	1.61733	2.17814	neurobeachin like 1 [Source:HGNC Symbol;Acc:HGNC:20681]	chr2:20387	NM_00111	XM_01151	.	.	NP_00110	XP_005246	protein_co	ENSG0000	65065	20681
NBEAL2	9.52225	10.3104	13.7463	10.5435	11.5552	9.26159	neurobeachin like 2 [Source:HGNC Symbol;Acc:HGNC:31928]	chr3:46963	NM_01517	XM_01700	.	.	NP_05599	XP_006713	protein_co	ENSG0000	23218	31928
NBL1	51.8205	54.6152	34.8212	59.7416	48.6346	35.9313	neuroblastoma 1, DAN family BMP antagonist [Source:HGNC Sym	chr1:19923	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	4681	7650
NBN	18.2713	17.6711	16.3289	16.7696	22.2481	20.2749	nibrin [Source:HGNC Symbol;Acc:HGNC:7652]	chr8:90945	NM_00102	XM_01151	.	.	NP_00101	XP_005250	protein_co	ENSG0000	4683	7652
NBPF1	8.33289	7.8012	7.56338	8.23257	8.31491	7.18489	neuroblastoma breakpoint family member 1 [Source:HGNC Symb	chr1:16888	NM_01794	.	.	XR_43113	NP_06041	.	protein_co	ENSG0000	101930059	26088
NBPF10	6.36305	6.12667	5.96705	4.69346	5.57132	5.25414	neuroblastoma breakpoint family member 10 [Source:HGNC Sym	chr1:14520	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	100132406	31992
NBPF11	0.078044	0.156552	0.237638	0.097493	0.01669	0.081244	neuroblastoma breakpoint family member 11 [Source:HGNC Sym	chr1:14603	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	200030	31993
NBPF12	1.5791	1.42833	1.38858	1.49908	0.946854	1.09057	neuroblastoma breakpoint family member 12 [Source:HGNC Sym	chr1:14637	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	149013	24297
NBPF14	6.57342	6.8457	6.98717	5.10191	6.29752	5.467	neuroblastoma breakpoint family member 14 [Source:HGNC Sym	chr1:14800	NM_01538	XM_01150	.	.	NP_05619	XP_006711	protein_co	ENSG0000	100996763	25232
NBPF15	1.94559	2.05551	2.27384	1.32905	1.59707	1.8478	neuroblastoma breakpoint family member 15 [Source:HGNC Sym	chr1:14855	NM_00117	XM_00524	.	.	NP_00116	XP_005245	protein_co	ENSG0000	284565	28791
NBPF16	0.436658	0.44141	0.451676	0.383444	0.402397	0.428503	neuroblastoma breakpoint family, member 16 [Source:HGNC Syn	chr1:14873	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	728936	31996
NBPF20	1.09909	1.36261	2.41478	0.817231	2.20643	1.1347	neuroblastoma breakpoint family member 20 [Source:HGNC Sym	chr1:14825	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	100288142	32000
NBPF24	0	0.017852	0.015179	0	0.01943	0	neuroblastoma breakpoint family, member 24 [Source:HGNC Syn	chr1:14757	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	.	27299
NBPF3	3.62524	4.17057	4.32321	4.69908	5.59505	5.04087	neuroblastoma breakpoint family member 3 [Source:HGNC Symb	chr1:21766	NM_00125	XM_01154	.	.	NP_00124	XP_006711	protein_co	ENSG0000	84224	25076
NBPF4	0	0	0	0	0	0	neuroblastoma breakpoint family member 4 [Source:HGNC Symb	chr1:10876	NM_00114	XM_01154	.	.	NP_00113	XP_011539	protein_co	ENSG0000	148545	26550
NBPF6	0	0	0	0	0	0	neuroblastoma breakpoint family member 6 [Source:HGNC Symb	chr1:10891	NM_00114	XM_01154	.	.	NP_00113	XP_005271	protein_co	ENSG0000	653149	31988
NBPF8	0	0.086185	0	0	0	0	neuroblastoma breakpoint family member 20 [Source:HGNC Sym	chr1:14414	.	.	.	.	NP_00126	.	protein_co	ENSG0000	100288142	32000
NBPF9	4.32879	4.12024	4.61229	3.13336	3.50217	3.53272	neuroblastoma breakpoint family member 9 [Source:HGNC Symb	chr1:14481	NM_00103	XM_01700	.	.	NP_00103	XP_006711	protein_co	ENSG0000	101060684	31991
NBR1	27.9251	30.3354	29.7163	19.2616	19.5854	28.8649	NBR1, autophagy cargo receptor [Source:HGNC Symbol;Acc:HGN	chr17:4132	NM_00129	XM_01152	.	.	NP_00127	XP_006721	protein_co	ENSG0000	4077	6746
NCALD	0.660106	0.548486	0.463589	0.359571	0.292649	0.666835	neurocalcin delta [Source:HGNC Symbol;Acc:HGNC:7655]	chr8:10269	NM_00104	XM_01701	.	.	NP_00103	XP_011515	protein_co	ENSG0000	83988	7655
NCAM1	0.178181	0.122553	0.159241	0.0774	0.070643	0.224276	neural cell adhesion molecule 1 [Source:HGNC Symbol;Acc:HGNC	chr11:1128	NM_00061	.	.	.	NP_00060	.	protein_co	ENSG0000	4684	7656
NCAM2	0	0	0	0	0	0	neural cell adhesion molecule 2 [Source:HGNC Symbol;Acc:HGNC	chr21:2237	NM_00454	XM_01702	.	.	NP_00453	XP_011527	protein_co	ENSG0000	4685	7657
NCAN	0.054334	0.077011	0.018821	0.047355	0.037303	0.104208	neurocan [Source:HGNC Symbol;Acc:HGNC:2465]	chr19:1932	NM_00438	XM_00525	.	.	NP_00437	.	protein_co	ENSG0000	1463	2465
NCAPD2	60.2359	64.2724	59.4212	49.9714	46.8583	38.1221	non-SMC condensin I complex subunit D2 [Source:HGNC Symbol;	chr12:6601	NM_01486	.	.	.	NP_05568	.	protein_co	ENSG0000	9918	24305
NCAPD3	24.3271	24.8961	24.6881	28.8683	28.6703	25.6698	non-SMC condensin II complex subunit D3 [Source:HGNC Symbol	chr11:1340	NM_01526	XM_01154	.	.	NP_05607	XP_011541	protein_co	ENSG0000	23310	28952
NCAPG	30.4787	27.8931	28.8477	37.5514	48.8862	45.6593	non-SMC condensin I complex subunit G [Source:HGNC Symbol;A	chr4:17812	NM_02234	XM_01151	.	.	NP_07174	XP_011512	protein_co	ENSG0000	64151	24304
NCAPG2	25.9473	28.5475	25.2744	32.8426	35.8642	31.6071	non-SMC condensin II complex subunit G2 [Source:HGNC Symbol	chr7:15842	NM_00128	XM_01151	.	.	NP_00126	XP_005249	protein_co	ENSG0000	54892	21904
NCAPH	24.5577	25.7741	19.8412	34.0309	29.3155	20.7324	non-SMC condensin I complex subunit H [Source:HGNC Symbol;A	chr2:97001	NM_00128	XM_00671	.	.	NP_00126	XP_005263	protein_co	ENSG0000	23397	1112
NCAPH2	39.0112	39.1306	33.1982	45.5239	38.1448	36.0387	non-SMC condensin II complex subunit H2 [Source:HGNC Symbol	chr22:5094	NM_00118	XM_01153	.	.	NP_00117	XP_005261	protein_co	ENSG0000	29781	25071
NCBP1	20.2016	18.9299	19.8558	21.3637	25.0178	21.0309	nuclear cap binding protein subunit 1 [Source:HGNC Symbol;Acc:	chr9:10039	NM_00248	XM_01701	.	.	NP_00247	XP_011517	protein_co	ENSG0000	4686	7658
NCBP2	54.6532	53.9791	63.0727	62.9779	69.5386	56.2061	nuclear cap binding protein subunit 2 [Source:HGNC Symbol;Acc:	chr3:19666	NM_00104	XM_01151	.	.	NP_00103	XP_005269	protein_co	ENSG0000	22916	7659
NCBP2-AS2	40.1006	39.8259	38.7081	55.5924	48.021	30.3967	NCBP2 antisense RNA 2 (head to head) [Source:HGNC Symbol;Ac	chr3:19666	.	.	.	.	.	.	protein_co	ENSG0000	.	25121
NCBP2L	0	0	0	0	0	0	nuclear cap binding protein subunit 2-like [Source:HGNC Symbol;	chrX:10702	.	.	.	.	.	.	protein_co	ENSG0000	.	31795
NCBP3	6.17627	6.08445	6.61537	5.78567	6.28142	6.06231	nuclear cap binding subunit 3 [Source:HGNC Symbol;Acc:HGNC:2	chr17:3705	NM_00111	XM_01702	.	.	NP_00110	XP_005256	protein_co	ENSG0000	55421	24612
NCCRP1	0	0	0.042337	0	0.113829	0	non-specific cytotoxic cell receptor protein 1 homolog (zebrafish)	chr19:3968	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	342897	33739
NCDN	15.3898	17.3141	15.9263	13.5663	13.0576	9.37172	neurochondrin [Source:HGNC Symbol;Acc:HGNC:17597]	chr1:36023	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	23154	17597
NCEH1	7.62225	8.03673	6.56126	7.98186	9.22115	8.38238	neutral cholesterol ester hydrolase 1 [Source:HGNC Symbol;Acc:H	chr3:17234	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	57552	29260
NCF1	0	0	0	0	0	0	neutrophil cytosolic factor 1 [Source:HGNC Symbol;Acc:HGNC:76	chr7:74188	NM_00026	XM_01151	.	.	NP_00025	.	protein_co	ENSG0000	653361	7660
NCF2	0.536365	0.378462	0.026207	0.583338	0.365744	0.322118	neutrophil cytosolic factor 2 [Source:HGNC Symbol;Acc:HGNC:76	chr1:18352	NM_00043	XM_01150	.	.	NP_00042	XP_005245	protein_co	ENSG0000	4688	7661
NCF4	0.193387	0.28788	0.223054	0.574435	0.222868	0	neutrophil cytosolic factor 4 [Source:HGNC Symbol;Acc:HGNC:76	chr22:3725	NM_00063	.	.	.	NP_00062	.	protein_co	ENSG0000	4689	7662
NCK1	14.6607	14.9434	14.2464	15.0784	15.3959	15.3318	NCK adaptor protein 1 [Source:HGNC Symbol;Acc:HGNC:7664]	chr3:13658	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	4690	7664
NCK2	14.2459	15.5074	13.531	15.8865	14.0916	12.3853	NCK adaptor protein 2 [Source:HGNC Symbol;Acc:HGNC:7665]	chr2:10636	NM_00100	XM_01700	.	.	NP_00100	XP_006712	protein_co	ENSG0000	8440	7665
NCKAP1	32.6408	30.3452	32.6074	30.6267	42.4321	47.1084	NCK associated protein 1 [Source:HGNC Symbol;Acc:HGNC:7666]	chr2:18377	NM_01343	XM_00671	.	.	NP_03846	XP_006712	protein_co	ENSG0000	10787	7666
NCKAP1L	0.144835	0.134693	0.160876	0.144112	0.293428	0.170991	NCK associated protein 1 like [Source:HGNC Symbol;Acc:HGNC:48	chr12:5489	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	3071	4862
NCKAP5	0	0.025568	0.036343	0	0.018695	0.051573	NCK associated protein 5 [Source:HGNC Symbol;Acc:HGNC:29847	chr2:13342	NM_20736	XM_01151	.	.	NP_99724	XP_005263	protein_co	ENSG0000	344148	29847
NCKAP5L	3.96249	4.22036	5.35605	3.83784	3.92218	4.37703	NCK associated protein 5 like [Source:HGNC Symbol;Acc:HGNC:29	chr12:5018	NM_00103	XM_01153	.	.	NP_00103	XP_005269	protein_co	ENSG0000	57701	29321

NCKIPSD	14.6581	15.0694	12.9131	13.4058	12.2795	10.2674	NCK interacting protein with SH3 domain [Source:HGNC Symbol;	chr3:48711	NM_01645	XM_01700	.	.	NP_05753	XP_016862	protein_co	ENSG0000	51517	15486
NCL	339.216	339.759	301.466	410.906	409.169	316.747	nucleolin [Source:HGNC Symbol;Acc:HGNC:7667]	chr2:23231	NM_00538	.	.	.	NP_00537	.	protein_co	ENSG0000	4691	7667
NCLN	52.8857	60.4907	45.535	56.4121	51.0029	37.1975	nicalin [Source:HGNC Symbol;Acc:HGNC:26923]	chr19:3185	NM_00132	XM_00525	.	.	NP_00130	.	protein_co	ENSG0000	56926	26923
NCMAP	0.498449	0.481969	1.29688	0.342426	0.450731	0.681368	non-compact myelin associated protein [Source:HGNC Symbol;Ac	chr1:24882	NM_00101	XM_01154	.	.	NP_00101	XP_005245	protein_co	ENSG0000	400746	29332
NCOA1	3.97602	4.23604	3.70322	2.90707	3.51424	3.74272	nuclear receptor coactivator 1 [Source:HGNC Symbol;Acc:HGNC:7	chr2:24714	NM_00374	XM_01700	.	.	NP_00373	XP_005264	protein_co	ENSG0000	8648	7668
NCOA2	4.77787	5.14563	4.82667	4.09999	4.36389	4.95682	nuclear receptor coactivator 2 [Source:HGNC Symbol;Acc:HGNC:7	chr8:71021	NM_00132	XM_01151	.	.	NP_00130	XP_005251	protein_co	ENSG0000	10499	7669
NCOA3	7.18578	7.1629	8.78092	6.8836	7.88666	10.3838	nuclear receptor coactivator 3 [Source:HGNC Symbol;Acc:HGNC:7	chr20:4613	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	8202	7670
NCOA4	53.4381	56.5743	54.1296	55.7615	55.7246	51.1784	nuclear receptor coactivator 4 [Source:HGNC Symbol;Acc:HGNC:7	chr10:5156	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	8031	7671
NCOA5	18.1829	18.3567	15.4677	21.1274	19.5297	17.7176	nuclear receptor coactivator 5 [Source:HGNC Symbol;Acc:HGNC:1	chr20:4468	NM_02096	XM_01702	.	.	NP_06601	XP_005260	protein_co	ENSG0000	57727	15909
NCOA6	8.7017	9.63221	8.78222	7.43948	8.63529	7.67019	nuclear receptor coactivator 6 [Source:HGNC Symbol;Acc:HGNC:1	chr20:3330	NM_00124	XM_01702	.	.	NP_00122	XP_006723	protein_co	ENSG0000	23054	15936
NCOA7	3.71515	4.39122	3.60153	2.86973	3.13672	5.00375	nuclear receptor coactivator 7 [Source:HGNC Symbol;Acc:HGNC:2	chr6:12610	NM_00112	XM_01153	.	.	NP_00111	XP_005266	protein_co	ENSG0000	135112	21081
NCOR1	4.3102	4.4074	3.44764	3.65843	3.77887	3.86317	nuclear receptor corepressor 1 [Source:HGNC Symbol;Acc:HGNC:	chr17:1593	NM_00119	XM_01152	.	.	NP_00117	XP_005256	protein_co	ENSG0000	9611	7672
NCOR2	10.1495	10.7824	11.6466	9.64748	8.75552	9.56451	nuclear receptor corepressor 2 [Source:HGNC Symbol;Acc:HGNC:	chr12:1248	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	9612	7673
NCR1	0	0	0	0	0	0	natural cytotoxicity triggering receptor 1 [Source:HGNC Symbol;A	chr19:5541	NM_00114	.	.	.	NP_00122	.	protein_co	ENSG0000	9437	6731
NCR2	0	0	0	0	0	0	natural cytotoxicity triggering receptor 2 [Source:HGNC Symbol;A	chr6:41303	NM_00119	.	.	.	NP_00118	XP_016866	protein_co	ENSG0000	9436	6732
NCR3	0	0	0	0.105408	0	0.088378	natural cytotoxicity triggering receptor 3 [Source:HGNC Symbol;A	chr6:31553	NM_00114	XM_01151	.	.	NP_00113	XP_006715	protein_co	ENSG0000	259197	19077
NCR3LG1	1.17253	1.05206	1.50405	1.04998	1.14268	1.15099	natural killer cell cytotoxicity receptor 3 ligand 1 [Source:HGNC S	chr11:1737	NM_00120	.	.	.	NP_00118	XP_011518	protein_co	ENSG0000	374383	42400
NCS1	28.4993	30.6351	30.3271	38.5024	32.7824	24.8034	neuronal calcium sensor 1 [Source:HGNC Symbol;Acc:HGNC:3953	chr9:13293	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	23413	3953
NCSTN	34.9754	34.7595	31.9808	32.8539	32.1347	30.3888	nicastrin [Source:HGNC Symbol;Acc:HGNC:17091]	chr1:16025	NM_00129	XM_01150	.	.	NP_00127	XP_011507	protein_co	ENSG0000	23385	17091
NDC1	25.6739	24.7262	24.5237	27.1207	31.6574	29.5011	NDC1 transmembrane nucleoporin [Source:HGNC Symbol;Acc:HG	chr1:54231	NM_00116	XM_01154	.	.	NP_00116	XP_011540	protein_co	ENSG0000	55706	25525
NDC80	19.3324	17.2606	17.3034	24.6749	28.2841	26.3546	NDC80, kinetochore complex component [Source:HGNC Symbol;	chr18:2571	NM_00610	.	.	.	NP_00609	.	protein_co	ENSG0000	10403	16909
NDE1	10.7087	10.5187	10.5406	15.0135	13.4503	11.4628	nudE neurodevelopment protein 1 [Source:HGNC Symbol;Acc:HG	chr16:1573	NM_00114	XM_01152	NR_03015	.	NP_00113	XP_005255	protein_co	ENSG0000	619553	17619
NDEL1	17.2801	17.6954	13.8513	17.828	17.5596	16.5843	nudE neurodevelopment protein 1 like 1 [Source:HGNC Symbol;A	chr17:8339	NM_00102	XM_01702	.	.	NP_00102	XP_011522	protein_co	ENSG0000	81565	17620
NDFIP1	34.3637	34.068	32.8255	35.4588	37.2335	36.8641	Nedd4 family interacting protein 1 [Source:HGNC Symbol;Acc:HG	chr5:14148	NM_03057	.	.	.	NP_08504	.	protein_co	ENSG0000	80762	17592
NDFIP2	17.257	17.9711	15.5515	18.5625	21.0276	20.5483	Nedd4 family interacting protein 2 [Source:HGNC Symbol;Acc:HG	chr13:8000	NM_00116	XM_00671	.	.	NP_00115	XP_006719	protein_co	ENSG0000	54602	18537
NDN	0	0	0	0	0	0	necdin, MAGE family member [Source:HGNC Symbol;Acc:HGNC:7	chr15:2393	NM_00248	.	.	.	NP_00247	.	protein_co	ENSG0000	4692	7675
NDNF	0.026305	0.02786	0.04592	0.11929	0.058425	0.157204	neuron derived neurotrophic factor [Source:HGNC Symbol;Acc:H	chr4:12195	NM_02457	.	.	.	NP_07885	.	protein_co	ENSG0000	79625	26256
NDOR1	11.2406	10.2736	7.62931	10.0764	9.45424	7.38044	NADPH dependent diflavin oxidoreductase 1 [Source:HGNC Symb	chr9:14010	NM_00114	XM_01151	.	.	NP_00113	XP_011516	protein_co	ENSG0000	27158	29838
NDP	0	0	0	0.053845	0	0.048004	NDP, norrin cystine knot growth factor [Source:HGNC Symbol;Ac	chrX:43808	NM_00026	.	.	.	NP_00025	.	protein_co	ENSG0000	4693	7678
NDRG1	41.3103	50.0996	69.0179	64.3538	75.028	143.082	N-myc downstream regulated 1 [Source:HGNC Symbol;Acc:HGNC	chr8:13424	NM_00113	XM_01151	.	.	NP_00112	XP_011515	protein_co	ENSG0000	10397	7679
NDRG2	10.6014	10.0475	12.9771	11.6108	11.6347	7.21721	NDRG family member 2 [Source:HGNC Symbol;Acc:HGNC:14460]	chr14:2148	NM_00128	XM_01153	NR_10677	.	NP_00126	XP_011535	protein_co	ENSG0000	102465428	14460
NDRG3	17.9898	18.3074	19.4384	16.5059	15.9817	12.9474	NDRG family member 3 [Source:HGNC Symbol;Acc:HGNC:14462]	chr20:3528	NM_02247	XM_01702	.	.	NP_07192	XP_006723	protein_co	ENSG0000	57446	14462
NDRG4	5.97606	5.66486	7.42377	5.43282	5.62326	4.48163	NDRG family member 4 [Source:HGNC Symbol;Acc:HGNC:14466]	chr16:5849	NM_00113	XM_01702	.	.	NP_00112	XP_006721	protein_co	ENSG0000	65009	14466
NDST1	12.9011	13.3234	13.6609	11.9038	12.3034	9.24226	N-deacetylase and N-sulfotransferase 1 [Source:HGNC Symbol;Ac	chr5:14987	NM_00130	XM_01700	.	.	NP_00128	XP_005268	protein_co	ENSG0000	3340	7680
NDST2	3.12118	3.69114	4.38741	2.84187	2.8926	3.45229	N-deacetylase and N-sulfotransferase 2 [Source:HGNC Symbol;Ac	chr10:7556	NM_00363	XM_01154	.	.	NP_00362	XP_005270	protein_co	ENSG0000	8509	7681
NDST3	0.040518	0.073018	0.023468	0.061962	0.044561	0.039097	N-deacetylase and N-sulfotransferase 3 [Source:HGNC Symbol;Ac	chr4:11895	NM_00478	XM_01700	.	.	NP_00477	XP_006714	protein_co	ENSG0000	9348	7682
NDST4	0	0	0	0	0	0	N-deacetylase and N-sulfotransferase 4 [Source:HGNC Symbol;Ac	chr4:11574	NM_02256	.	.	.	NP_07209	.	protein_co	ENSG0000	64579	20779
NDUFA1	200.523	178.487	173.094	203.494	152.295	198.39	NADH:ubiquinone oxidoreductase subunit A1 [Source:HGNC Sym	chrX:11900	NM_00454	.	.	.	NP_00453	.	protein_co	ENSG0000	4694	7683
NDUFA10	69.3702	66.3578	64.0671	79.761	71.7435	65.9027	NADH:ubiquinone oxidoreductase subunit A10 [Source:HGNC Syr	chr2:24089	NM_00454	XM_01151	.	.	NP_00453	XP_011509	protein_co	ENSG0000	4705	7684
NDUFA11	248.323	253.235	234.762	353.552	245.847	205.354	NADH:ubiquinone oxidoreductase subunit A11 [Source:HGNC Syr	chr19:5865	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	126328	20371
NDUFA12	77.7146	62.7988	59.2598	73.5039	70.8193	88.94	NADH:ubiquinone oxidoreductase subunit A12 [Source:HGNC Syr	chr12:9536	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	55967	23987
NDUFA13	122.852	120.108	129.954	150.184	104.578	108.301	NADH:ubiquinone oxidoreductase subunit A13 [Source:HGNC Syr	chr19:1962	NM_01596	.	.	.	NP_05704	.	protein_co	ENSG0000	51079	17194
NDUFA2	99.811	85.3957	89.3628	122.155	82.9701	81.2644	NADH:ubiquinone oxidoreductase subunit A2 [Source:HGNC Sym	chr5:14001	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	4695	7685
NDUFA3	150.329	147.944	150.307	169.154	122.997	117.804	NADH:ubiquinone oxidoreductase subunit A3 [Source:HGNC Sym	chr19:5460	NM_00454	.	.	.	NP_00453	XP_016882	protein_co	ENSG0000	4696	7686
NDUFA4	75.8964	67.7078	57.7447	76.7315	62.2829	57.6162	NDUFA4, mitochondrial complex associated [Source:HGNC Symbo	chr7:10971	NM_00248	.	.	.	NP_00248	.	protein_co	ENSG0000	4697	7687
NDUFA4L2	0.523726	1.17374	0.258578	0.239333	0.17241	0.250208	NDUFA4, mitochondrial complex associated like 2 [Source:HGNC	chr12:5762	NM_02014	XM_01153	.	.	NP_06452	XP_011536	protein_co	ENSG0000	56901	29836
NDUFA5	25.1083	27.0687	23.6669	27.6279	29.7151	33.6884	NADH:ubiquinone oxidoreductase subunit A5 [Source:HGNC Sym	chr7:12317	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	4698	7688
NDUFA6	96.6734	87.1159	72.4839	114.224	90.9043	82.0517	NADH:ubiquinone oxidoreductase subunit A6 [Source:HGNC Sym	chr22:4248	NM_00249	.	.	.	NP_00248	.	protein_co	ENSG0000	4700	7690
NDUFA7	93.7391	83.9875	73.6266	95.7514	77.125	81.1245	NADH:ubiquinone oxidoreductase subunit A7 [Source:HGNC Sym	chr19:8376	NM_00500	.	.	.	NP_00499	.	protein_co	ENSG0000	4701	7691
NDUFA8	83.665	76.736	83.0792	94.184	75.8795	83.74	NADH:ubiquinone oxidoreductase subunit A8 [Source:HGNC Sym	chr9:12490	NM_01422	.	.	.	NP_05503	.	protein_co	ENSG0000	4702	7692
NDUFA9	28.6872	25.8705	23.4746	38.9748	21.3518	21.8171	NADH:ubiquinone oxidoreductase subunit A9 [Source:HGNC Sym	chr12:4758	NM_00500	.	.	.	NP_00499	.	protein_co	ENSG0000	4704	7693
NDUFAB1	190.956	191.19	180.096	230.722	197.203	198.602	NADH:ubiquinone oxidoreductase subunit AB1 [Source:HGNC Syr	chr16:2359	NM_00500	.	.	.	NP_00499	.	protein_co	ENSG0000	4706	7694
NDUFAF1	13.3897	12.304	13.8145	13.2437	13.3085	15.2533	NADH:ubiquinone oxidoreductase complex assembly factor 1 [So	chr15:4167	NM_01601	XM_01152	.	.	NP_05709	XP_006720	protein_co	ENSG0000	51103	18828
NDUFAF2	29.7647	29.6191	28.138	27.6679	22.4606	25.5651	NADH:ubiquinone oxidoreductase complex assembly factor 2 [So	chr5:60240	NM_17488	.	.	.	NP_77754	.	protein_co	ENSG0000	91942	28086
NDUFAF3	49.5623	52.5833	53.8945	49.3284	33.9263	41.4134	NADH:ubiquinone oxidoreductase complex assembly factor 3 [So	chr3:49027	NM_19906	.	.	.	NP_95103	.	protein_co	ENSG0000	25915	29918
NDUFAF4	14.0973	14.1144	13.0532	16.0669	16.9942	11.8217	NADH:ubiquinone oxidoreductase complex assembly factor 4 [So	chr6:97337	NM_01416	.	.	.	NP_05488	.	protein_co	ENSG0000	29078	21034
NDUFAF5	13.0072	10.3529	9.01309	14.4948	10.8423	8.81751	NADH:ubiquinone oxidoreductase complex assembly factor 5 [So	chr20:1376	NM_00103	XM_01152	.	.	NP_00103	XP_006723	protein_co	ENSG0000	79133	15899
NDUFAF6	7.61781	7.03209	6.53256	6.86509	7.25491	6.01867	NADH:ubiquinone oxidoreductase complex assembly factor 6 [So	chr8:95835	NM_15241	XM_01151	.	.	NP_68962	XP_005250	protein_co	ENSG0000	137682	28625
NDUFAF7	9.174	9.63784	10.0064	7.25053	6.26469	6.22666	NADH:ubiquinone oxidoreductase complex assembly factor 7 [So	chr2:37394	NM_00108	XM_01153	.	.	NP_00107	XP_005264	protein_co	ENSG0000	55471	28816

NDUFB1	187.649	162.26	211.943	190.54	170.999	193.73	NADH:ubiquinone oxidoreductase subunit B1 [Source:HGNC Sym	chr14:9258	NM_00454	.	.	.	NP_00453	.	protein_co	ENSG0000	4707	7695
NDUFB10	191.643	186.714	188.869	247.562	192.256	163.065	NADH:ubiquinone oxidoreductase subunit B10 [Source:HGNC Syr	chr16:2009	NM_00454	.	.	.	NP_00453	.	protein_co	ENSG0000	4716	7696
NDUFB11	80.6841	76.6092	68.85	105.424	77.1719	71.9358	NADH:ubiquinone oxidoreductase subunit B11 [Source:HGNC Syr	chrX:47001	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	54539	20372
NDUFB2	180.589	171.324	155.966	228.794	172.511	154.219	NADH:ubiquinone oxidoreductase subunit B2 [Source:HGNC Sym	chr7:14037	NM_00454	.	.	.	NP_00453	.	protein_co	ENSG0000	4708	7697
NDUFB3	95.1207	86.6593	95.333	126.056	93.6561	99.7032	NADH:ubiquinone oxidoreductase subunit B3 [Source:HGNC Sym	chr2:20193	NM_00125	XM_01151	.	.	NP_00124	XP_011509	protein_co	ENSG0000	4709	7698
NDUFB4	193.087	185.279	176.182	258.662	191.007	214.866	NADH:ubiquinone oxidoreductase subunit B4 [Source:HGNC Sym	chr3:12031	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	4710	7699
NDUFB5	65.2348	63.4613	72.9668	68.2237	66.3523	79.3189	NADH:ubiquinone oxidoreductase subunit B5 [Source:HGNC Sym	chr3:17932	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	4711	7700
NDUFB6	69.8956	70.4507	63.1462	81.1043	70.6561	62.7695	NADH:ubiquinone oxidoreductase subunit B6 [Source:HGNC Sym	chr9:32540	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	4712	7701
NDUFB7	176.619	169.689	151.069	205.326	153.757	125.474	NADH:ubiquinone oxidoreductase subunit B7 [Source:HGNC Sym	chr19:1467	NM_00414	.	.	.	NP_00413	.	protein_co	ENSG0000	4713	7702
NDUFB8	193.63	178.512	183.943	245.784	175.284	171.869	NADH:ubiquinone oxidoreductase subunit B8 [Source:HGNC Sym	chr10:1022	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	4714	7703
NDUFB9	396.581	373.964	344.073	488.761	378.421	339.407	NADH:ubiquinone oxidoreductase subunit B9 [Source:HGNC Sym	chr8:12555	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	4715	7704
NDUFC1	95.1687	102.713	85.6186	107.272	102.924	113.593	NADH:ubiquinone oxidoreductase subunit C1 [Source:HGNC Sym	chr4:14021	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	4717	7705
NDUFC2	174.633	168.056	152.308	233.253	184.374	162.519	NADH:ubiquinone oxidoreductase subunit C2 [Source:HGNC Sym	chr11:7772	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	4718	7706
NDUFC2-KCTD14	3.39969	4.03755	0.000488	3.45E-06	2.74397	2.87052	NDUFC2-KCTD14 readthrough [Source:HGNC Symbol;Acc:HGNC:4	chr11:7772	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	100532726	42956
NDUFS1	41.0772	41.9955	43.5108	46.6899	42.9119	45.5178	NADH:ubiquinone oxidoreductase core subunit S1 [Source:HGNC	chr2:20697	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	4719	7707
NDUFS2	55.024	55.7798	54.7573	52.2029	43.9588	46.3732	NADH:ubiquinone oxidoreductase core subunit S2 [Source:HGNC	chr1:16116	NM_00116	XM_00524	.	.	NP_00115	XP_005245	protein_co	ENSG0000	4720	7708
NDUFS3	106.832	102.866	83.7584	140.224	105.906	88.9597	NADH:ubiquinone oxidoreductase core subunit S3 [Source:HGNC	chr11:4758	NM_00455	.	.	.	NP_00454	.	protein_co	ENSG0000	4722	7710
NDUFS4	72.1668	59.1364	63.8644	66.888	60.3688	79.1323	NADH:ubiquinone oxidoreductase subunit S4 [Source:HGNC Sym	chr5:52856	NM_00131	XM_00524	.	.	NP_00130	.	protein_co	ENSG0000	4724	7711
NDUFS5	451.269	406.092	410.557	592.792	434.334	454.307	NADH:ubiquinone oxidoreductase subunit S5 [Source:HGNC Sym	chr1:39491	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	4725	7712
NDUFS6	70.6022	70.005	62.2139	87.6036	71.5033	63.2805	NADH:ubiquinone oxidoreductase subunit S6 [Source:HGNC Sym	chr5:18015	NM_00455	.	.	.	NP_00454	.	protein_co	ENSG0000	4726	7713
NDUFS7	62.2277	61.3101	58.2027	79.7211	53.3881	57.6045	NADH:ubiquinone oxidoreductase core subunit S7 [Source:HGNC	chr19:1383	NM_02440	XM_00525	.	.	NP_07771	XP_005259	protein_co	ENSG0000	374291	7714
NDUFS8	134.062	129.498	99.0159	165.82	126.916	104.919	NADH:ubiquinone oxidoreductase core subunit S8 [Source:HGNC	chr11:6779	NM_00249	XM_01154	NR_03984	.	NP_00248	XP_005274	protein_co	ENSG0000	102465669	7715
NDUFV1	90.2966	90.2321	96.7127	108.765	84.7994	74.802	NADH:ubiquinone oxidoreductase core subunit V1 [Source:HGNC	chr11:6737	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	4723	7716
NDUFV2	150.858	139.896	137.635	151.559	140.635	143.202	NADH:ubiquinone oxidoreductase core subunit V2 [Source:HGNC	chr18:9102	NM_02107	.	.	.	NP_06655	.	protein_co	ENSG0000	4729	7717
NDUFV3	25.2209	24.807	25.6069	25.2858	21.4933	20.1472	NADH:ubiquinone oxidoreductase subunit V3 [Source:HGNC Sym	chr21:4431	NM_00100	.	.	.	NP_00100	XP_011527	protein_co	ENSG0000	4731	7719
NEB	0.053538	0.048088	0.042399	0.014233	0.011501	0.023255	nebulin [Source:HGNC Symbol;Acc:HGNC:7720]	chr2:15234	NM_00116	XM_01700	.	.	NP_00115	XP_005246	protein_co	ENSG0000	4703	7720
NEBL	2.47976	3.02751	4.32914	4.15782	5.39717	6.56304	nebulette [Source:HGNC Symbol;Acc:HGNC:16932]	chr10:2106	NM_00117	XM_01701	.	.	NP_00116	XP_005252	protein_co	ENSG0000	10529	16932
NECAB1	0	0	0	0	0	0	N-terminal EF-hand calcium binding protein 1 [Source:HGNC Sym	chr8:91634	NM_02235	XM_01151	.	.	NP_07174	XP_011515	protein_co	ENSG0000	64168	20983
NECAB2	0	0	0.141207	0.097392	0.209881	0.076517	N-terminal EF-hand calcium binding protein 2 [Source:HGNC Sym	chr16:8400	NM_01906	XM_01152	.	.	NP_06193	XP_011521	protein_co	ENSG0000	54550	23746
NECAB3	13.6232	15.0062	16.4397	11.5462	10.8167	12.4903	N-terminal EF-hand calcium binding protein 3 [Source:HGNC Sym	chr20:3224	NM_03123	XM_01152	.	.	NP_11250	XP_005260	protein_co	ENSG0000	63941	15851
NECAP1	21.482	22.8261	21.167	22.6787	24.0274	26.3635	NECAP endocytosis associated 1 [Source:HGNC Symbol;Acc:HGN	chr12:8234	NM_01550	.	.	.	NP_05632	.	protein_co	ENSG0000	25977	24539
NECAP2	24.5683	25.9965	26.664	29.625	26.6953	24.9112	NECAP endocytosis associated 2 [Source:HGNC Symbol;Acc:HGN	chr1:16767	NM_00114	XM_01154	.	.	NP_00113	XP_011540	protein_co	ENSG0000	55707	25528
NECTIN1	8.82658	9.80372	10.2529	10.1848	10.2538	8.30944	nectin cell adhesion molecule 1 [Source:HGNC Symbol;Acc:HGNC	chr11:1195	NM_00285	.	.	.	NP_00284	.	protein_co	ENSG0000	5818	9706
NECTIN2	29.6443	32.3733	32.1826	36.3008	32.5704	33.1477	nectin cell adhesion molecule 2 [Source:HGNC Symbol;Acc:HGNC	chr19:4534	NM_00104	XM_01152	.	.	NP_00103	XP_011525	protein_co	ENSG0000	5819	9707
NECTIN3	36.9638	35.8011	35.6205	57.7991	72.1476	55.1356	nectin cell adhesion molecule 3 [Source:HGNC Symbol;Acc:HGNC	chr3:11079	NM_00124	XM_01151	.	.	NP_00123	XP_011510	protein_co	ENSG0000	25945	17664
NECTIN4	0.754649	0.874512	1.09343	1.15934	0.71066	0.447749	nectin cell adhesion molecule 4 [Source:HGNC Symbol;Acc:HGNC	chr1:16104	NM_03091	XM_01151	.	.	NP_11217	XP_005245	protein_co	ENSG0000	81607	19688
NEDD1	15.7311	14.9392	15.7778	18.3326	22.4893	23.3869	neural precursor cell expressed, developmentally down-regulated	chr12:9730	NM_00113	XM_01153	.	.	NP_00112	XP_005268	protein_co	ENSG0000	121441	7723
NEDD4	3.85678	3.00746	3.20658	3.06857	3.06435	6.69206	neural precursor cell expressed, developmentally down-regulated	chr15:5611	NM_00128	XM_01152	.	.	NP_00127	XP_011519	protein_co	ENSG0000	4734	7727
NEDD4L	14.6128	14.4118	15.6813	14.287	16.4741	21.7239	neural precursor cell expressed, developmentally down-regulated	chr18:5571	NM_00114	XM_01702	.	.	NP_00113	XP_005266	protein_co	ENSG0000	23327	7728
NEDD8	171.253	161.888	154.145	204.197	173.573	166.577	neural precursor cell expressed, developmentally down-regulated	chr14:2468	NM_00615	.	.	.	NP_00614	.	protein_co	ENSG0000	4738	7732
NEDD8-MDP1	1.91E-67	1.6E-120	2.58E-41	2.89E-78	3.9E-56	3.49E-48	NEDD8-MDP1 readthrough [Source:HGNC Symbol;Acc:HGNC:395	chr14:2468	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	.	39551
NEDD9	0.094873	0.048944	0.096172	0.131602	0.089824	0.147423	neural precursor cell expressed, developmentally down-regulated	chr6:11183	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	4739	7733
NEFH	0	0	0	0	0	0	neurofilament heavy polypeptide [Source:HGNC Symbol;Acc:HGN	chr22:2987	NM_02107	XM_01153	.	.	NP_06655	XP_011528	protein_co	ENSG0000	4744	7737
NEFL	0	0	0	0	0	0	neurofilament, light polypeptide [Source:HGNC Symbol;Acc:HGN	chr8:24808	NM_00615	.	.	.	NP_00614	.	protein_co	ENSG0000	4747	7739
NEFM	0	0	0	0	0	0	neurofilament, medium polypeptide [Source:HGNC Symbol;Acc:H	chr8:24770	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	4741	7734
NEGR1	0	0	0	0	0	0	neuronal growth regulator 1 [Source:HGNC Symbol;Acc:HGNC:17	chr1:71861	NM_17380	.	.	.	NP_77616	.	protein_co	ENSG0000	257194	17302
NEIL1	4.12229	5.32347	4.81291	2.7379	3.8783	2.40083	nei like DNA glycosylase 1 [Source:HGNC Symbol;Acc:HGNC:1844	chr15:7563	NM_00125	XM_01152	.	.	NP_00124	XP_005254	protein_co	ENSG0000	79661	18448
NEIL2	26.5593	27.1443	29.8159	30.1584	26.7867	22.4981	nei like DNA glycosylase 2 [Source:HGNC Symbol;Acc:HGNC:1895	chr8:11627	NM_00113	XM_01701	.	.	NP_00112	XP_005272	protein_co	ENSG0000	252969	18956
NEIL3	9.39426	8.66218	8.34871	14.2381	16.0219	15.7768	nei like DNA glycosylase 3 [Source:HGNC Symbol;Acc:HGNC:2457	chr4:17823	NM_01824	.	.	.	NP_06071	.	protein_co	ENSG0000	55247	24573
NEK1	3.63977	3.52766	3.70294	3.37915	4.21346	4.19328	NIMA related kinase 1 [Source:HGNC Symbol;Acc:HGNC:7744]	chr4:17031	NM_00119	XM_01153	.	.	NP_00118	XP_006714	protein_co	ENSG0000	4750	7744
NEK10	0.23463	0.490907	0.343117	0.075359	0.577924	0.379157	NIMA related kinase 10 [Source:HGNC Symbol;Acc:HGNC:18592]	chr3:27151	NM_00103	XM_01153	.	.	NP_00102	XP_006713	protein_co	ENSG0000	152110	18592
NEK11	1.03499	0.75918	0.717661	0.60954	0.610143	1.02412	NIMA related kinase 11 [Source:HGNC Symbol;Acc:HGNC:18593]	chr3:13074	NM_00114	XM_01700	.	.	NP_00113	XP_005247	protein_co	ENSG0000	79858	18593
NEK2	29.4652	32.0451	23.3956	52.946	51.2077	38.6235	NIMA related kinase 2 [Source:HGNC Symbol;Acc:HGNC:7745]	chr1:21183	NM_00120	XM_00527	.	.	NP_00119	XP_005273	protein_co	ENSG0000	4751	7745
NEK3	11.081	3.66962	5.54301	6.65358	6.48036	9.11826	NIMA related kinase 3 [Source:HGNC Symbol;Acc:HGNC:7746]	chr13:5270	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	4752	7746
NEK4	12.7279	12.8899	11.9353	14.4395	14.0417	11.5576	NIMA related kinase 4 [Source:HGNC Symbol;Acc:HGNC:11399]	chr3:52719	NM_00119	XM_01153	.	.	NP_00118	XP_006713	protein_co	ENSG0000	6787	11399
NEK5	0.25275	0.276972	0.710588	0.222211	0.560619	0.608548	NIMA related kinase 5 [Source:HGNC Symbol;Acc:HGNC:7748]	chr13:5263	NM_19928	.	.	.	NP_95498	XP_016876	protein_co	ENSG0000	341676	7748
NEK6	15.2537	14.9629	19.5515	15.6108	13.5458	14.8266	NIMA related kinase 6 [Source:HGNC Symbol;Acc:HGNC:7749]	chr9:12701	NM_00114	XM_00671	.	.	NP_00113	XP_005251	protein_co	ENSG0000	10783	7749
NEK7	10.9646	11.1372	10.6107	7.25464	9.07904	12.8207	NIMA related kinase 7 [Source:HGNC Symbol;Acc:HGNC:13386]	chr1:19812	NM_13349	XM_01150	.	.	NP_59800	XP_016855	protein_co	ENSG0000	140609	13386
NEK8	1.84716	1.37044	2.1586	1.08517	0.89545	1.05256	NIMA related kinase 8 [Source:HGNC Symbol;Acc:HGNC:13387]	chr17:2705	NM_17817	XM_01152	.	.	NP_83546	XP_011522	protein_co	ENSG0000	284086	13387

NEK9	12.1095	11.6988	15.3309	10.0062	11.0578	13.6269	NIMA related kinase 9 [Source:HGNC Symbol;Acc:HGNC:18591]	chr14:7551	NM_03311	XM_00526	.	.	NP_00131	XP_005268	protein_co	ENSG0000	91754	18591
NELFA	27.091	28.9278	24.6245	28.9071	24.2598	22.9634	negative elongation factor complex member A [Source:HGNC Syn	chr4:19844	NM_00566	XM_01151	NR_03064	.	NP_00565	.	protein_co	ENSG0000	100126332	12768
NELFB	45.1901	47.2972	44.3435	50.3369	44.6531	40.6098	negative elongation factor complex member B [Source:HGNC Syn	chr9:14014	NM_01545	.	.	.	NP_05627	.	protein_co	ENSG0000	25920	24324
NELFCD	38.1251	40.9091	40.8305	46.672	42.8767	39.7382	negative elongation factor complex member C/D [Source:HGNC S	chr20:5755	NM_19897	XM_01152	.	.	NP_94532	.	protein_co	ENSG0000	51497	15934
NELFE	48.9004	45.5066	44.4488	38.2257	34.7285	34.4071	negative elongation factor complex member E [Source:HGNC Syn	chr6:31919	NM_00290	XM_01151	NR_03160	.	NP_00289	XP_006715	protein_co	ENSG0000	100302242	13974
NELL1	0	0	0	0	0	0	neural EGFL like 1 [Source:HGNC Symbol;Acc:HGNC:7750]	chr11:2069	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	4745	7750
NELL2	0.201709	0.235022	0.205869	0.41396	0.320829	0.156203	neural EGFL like 2 [Source:HGNC Symbol;Acc:HGNC:7751]	chr12:4490	NM_00114	XM_01701	.	.	NP_00113	XP_005268	protein_co	ENSG0000	4753	7751
NEMF	9.44167	9.62983	9.13911	8.82748	10.6235	9.50502	nuclear export mediator factor [Source:HGNC Symbol;Acc:HGNC:	chr14:5023	NM_00130	XM_00526	.	.	NP_00128	.	protein_co	ENSG0000	9147	10663
NEMP1	15.9242	16.1735	15.2096	16.3612	20.1181	18.1428	nuclear envelope integral membrane protein 1 [Source:HGNC Syr	chr12:5744	NM_00113	XM_01701	.	.	NP_00112	XP_011536	protein_co	ENSG0000	23306	29001
NEMP2	1.57884	1.88238	1.45325	2.43686	2.39972	3.46212	nuclear envelope integral membrane protein 2 [Source:HGNC Syr	chr2:19136	NM_00114	XM_01151	.	.	NP_00113	XP_005246	protein_co	ENSG0000	100131211	33700
NENF	52.7852	55.5078	56.4917	58.5778	44.7	50.9736	neudesin neurotrophic factor [Source:HGNC Symbol;Acc:HGNC:3	chr1:21260	NM_01334	.	NR_02659	.	NP_03748	.	protein_co	ENSG0000	29937	30384
NEO1	9.27865	9.68093	10.6786	6.64895	7.44672	10.0539	neogenin 1 [Source:HGNC Symbol;Acc:HGNC:7754]	chr15:7334	NM_00117	XM_01152	.	.	NP_00116	XP_005254	protein_co	ENSG0000	4756	7754
NEPRO	10.7636	9.06317	11.6086	8.9535	9.80774	11.2741	nucleolus and neural progenitor protein [Source:HGNC Symbol;A	chr3:11272	NM_00131	XM_01151	.	.	NP_00130	XP_005247	protein_co	ENSG0000	25871	24496
NES	6.28977	6.10489	7.82855	5.76528	5.5001	4.48501	nestin [Source:HGNC Symbol;Acc:HGNC:7756]	chr1:15663	NM_00661	.	.	.	NP_00660	.	protein_co	ENSG0000	10763	7756
NET1	23.3502	23.243	22.6292	24.4862	27.9552	24.7166	neuroepithelial cell transforming 1 [Source:HGNC Symbol;Acc:HG	chr10:5454	NM_00104	.	.	.	NP_00104	.	protein_co	ENSG0000	10276	14592
NETO1	0	0	0	0	0	0	neuropilin and tolloid like 1 [Source:HGNC Symbol;Acc:HGNC:138	chr18:7040	NM_00120	XM_01152	.	.	NP_00118	XP_005266	protein_co	ENSG0000	81832	13823
NETO2	6.45358	5.53291	5.52271	5.08301	6.85693	4.7588	neuropilin and tolloid like 2 [Source:HGNC Symbol;Acc:HGNC:146	chr16:4711	NM_00120	XM_00672	.	.	NP_00118	XP_006721	protein_co	ENSG0000	81831	14644
NEU1	17.0873	18.1346	21.2704	12.8561	13.4634	12.4729	neuraminidase 1 [Source:HGNC Symbol;Acc:HGNC:7758]	chr6:31826	NM_00043	.	.	.	NP_00042	.	protein_co	ENSG0000	4758	7758
NEU2	0	0	0	0	0	0	neuraminidase 2 [Source:HGNC Symbol;Acc:HGNC:7759]	chr2:23389	NM_00538	XM_01151	.	.	NP_00537	XP_011509	protein_co	ENSG0000	4759	7759
NEU3	8.07025	8.43638	8.4783	9.22321	12.3321	8.65712	neuraminidase 3 [Source:HGNC Symbol;Acc:HGNC:7760]	chr11:7469	NM_00665	.	.	.	NP_00664	.	protein_co	ENSG0000	10825	7760
NEU4	0	0	0.049229	0	0.068355	0.19859	neuraminidase 4 [Source:HGNC Symbol;Acc:HGNC:21328]	chr2:24274	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	129807	21328
NEURL1	0.8073	1.00816	1.2312	0.731327	0.655676	0.839966	neuralized E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;Ac	chr10:1052	NM_00421	XM_01154	.	.	NP_00420	XP_005270	protein_co	ENSG0000	9148	7761
NEURL1B	4.97041	5.56648	6.63305	9.61008	9.70437	9.27384	neuralized E3 ubiquitin protein ligase 1B [Source:HGNC Symbol;A	chr5:17206	NM_00114	XM_01153	.	.	NP_00113	XP_011532	protein_co	ENSG0000	54492	35422
NEURL2	0.393682	0.845332	0.082767	0	0.233511	0.223496	neuralized E3 ubiquitin protein ligase 2 [Source:HGNC Symbol;Ac	chr20:4451	NM_08074	.	.	.	NP_54278	.	protein_co	ENSG0000	140825	16156
NEURL3	0.751825	1.08153	0.351507	0.220726	0	0	neuralized E3 ubiquitin protein ligase 3 [Source:HGNC Symbol;Ac	chr2:97163	NM_00128	XM_01151	.	.	NP_00127	XP_011510	protein_co	ENSG0000	93082	25162
NEURL4	10.5975	10.8928	11.2414	11.3205	10.777	8.04946	neuralized E3 ubiquitin protein ligase 4 [Source:HGNC Symbol;Ac	chr17:7218	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	84461	34410
NEUROD1	0	0	0	0.035214	0.036152	0.032937	neuronal differentiation 1 [Source:HGNC Symbol;Acc:HGNC:7762	chr2:18254	NM_00250	.	.	.	NP_00249	.	protein_co	ENSG0000	4760	7762
NEUROD2	0	0	0	0	0	0	neuronal differentiation 2 [Source:HGNC Symbol;Acc:HGNC:7763	chr17:3776	NM_00616	XM_01152	.	.	NP_00615	XP_011523	protein_co	ENSG0000	4761	7763
NEUROD4	0	0	0	0	0	0	neuronal differentiation 4 [Source:HGNC Symbol;Acc:HGNC:1380	chr12:5541	NM_02119	.	.	.	NP_06701	.	protein_co	ENSG0000	58158	13802
NEUROD6	0	0	0	0	0	0	neuronal differentiation 6 [Source:HGNC Symbol;Acc:HGNC:1380	chr7:31377	NM_02272	.	.	.	NP_07356	.	protein_co	ENSG0000	63974	13804
NEUROG1	0	0	0	0	0	0	neurogenin 1 [Source:HGNC Symbol;Acc:HGNC:7764]	chr5:13486	NM_00616	.	.	.	NP_00615	.	protein_co	ENSG0000	4762	7764
NEUROG2	0	0.046702	0.079593	0.20468	0.106436	0	neurogenin 2 [Source:HGNC Symbol;Acc:HGNC:13805]	chr4:11343	NM_02401	.	.	.	NP_07692	.	protein_co	ENSG0000	63973	13805
NEUROG3	0	0	0	0	0	0	neurogenin 3 [Source:HGNC Symbol;Acc:HGNC:13806]	chr10:7133	NM_02099	.	.	.	NP_06627	XP_016871	protein_co	ENSG0000	50674	13806
NEXN	0.051611	0.073389	0.064098	0.020078	0.039878	0	nexilin F-actin binding protein [Source:HGNC Symbol;Acc:HGNC:2	chr1:78354	NM_00117	XM_00527	.	.	NP_00116	XP_005271	protein_co	ENSG0000	91624	29557
NF1	3.09792	2.98366	3.29956	2.20763	2.82592	3.43026	neurofibromin 1 [Source:HGNC Symbol;Acc:HGNC:7765]	chr17:2942	NM_00026	XM_01152	.	.	NP_00025	XP_005258	protein_co	ENSG0000	4763	7765
NF2	18.4216	18.6082	19.742	16.3752	17.8405	14.9201	neurofibromin 2 [Source:HGNC Symbol;Acc:HGNC:7773]	chr22:2999	NM_00026	XM_01702	.	.	NP_00025	XP_016884	protein_co	ENSG0000	4771	7773
NFAM1	0.181473	0.077444	0.067316	0.055587	0.164391	0.07085	NFAT activating protein with ITAM motif 1 [Source:HGNC Symbol	chr22:4277	NM_14591	.	.	.	NP_66601	.	protein_co	ENSG0000	150372	29872
NFASC	0.102012	0.147201	0.255325	0.19451	0.179381	0.175888	neurofascin [Source:HGNC Symbol;Acc:HGNC:29866]	chr1:20479	NM_00100	XM_01700	.	.	NP_00100	XP_005245	protein_co	ENSG0000	23114	29866
NFAT5	15.1226	15.2517	16.8263	10.7259	14.2891	18.5413	nuclear factor of activated T-cells 5 [Source:HGNC Symbol;Acc:H	chr16:6959	NM_00111	XM_01152	.	.	NP_00110	XP_006721	protein_co	ENSG0000	10725	7774
NFATC1	5.76108	7.99945	8.48738	5.86076	6.03138	6.33074	nuclear factor of activated T-cells 1 [Source:HGNC Symbol;Acc:H	chr18:7715	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	4772	7775
NFATC2	1.9023	1.83548	1.94191	1.22083	1.56975	1.65744	nuclear factor of activated T-cells 2 [Source:HGNC Symbol;Acc:H	chr20:5000	NM_00113	.	.	.	NP_00112	XP_011527	protein_co	ENSG0000	4773	7776
NFATC2IP	24.9441	24.15	23.7295	24.2312	24.0726	20.2589	nuclear factor of activated T-cells 2 interacting protein [Source:H	chr16:2896	NM_03281	.	NR_03974	.	NP_11620	.	protein_co	ENSG0000	100616487	25906
NFATC3	11.6873	12.0345	10.6375	12.3249	13.8005	10.0954	nuclear factor of activated T-cells 3 [Source:HGNC Symbol;Acc:H	chr16:6811	NM_00455	.	.	.	NP_00454	.	protein_co	ENSG0000	4775	7777
NFATC4	1.19202	1.06827	1.63221	1.09194	1.09627	1.01281	nuclear factor of activated T-cells 4 [Source:HGNC Symbol;Acc:H	chr14:2483	NM_00113	XM_01153	.	.	NP_00112	XP_011535	protein_co	ENSG0000	4776	7778
NFE2	0.642775	0.504622	0.843696	0.792746	0.866724	0.65204	nuclear factor, erythroid 2 [Source:HGNC Symbol;Acc:HGNC:7780	chr12:5468	NM_00113	XM_00526	.	.	NP_00112	XP_005268	protein_co	ENSG0000	4778	7780
NFE2L1	77.639	84.4302	62.132	67.9186	69.8257	86.9622	nuclear factor, erythroid 2 like 1 [Source:HGNC Symbol;Acc:HGN	chr17:4612	NM_00320	XM_00525	.	.	NP_00319	XP_005257	protein_co	ENSG0000	4779	7781
NFE2L2	73.2764	71.088	55.3943	62.0418	70.7515	93.7065	nuclear factor, erythroid 2 like 2 [Source:HGNC Symbol;Acc:HGN	chr2:17809	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	4780	7782
NFE2L3	25.1627	22.5223	26.3591	20.9871	24.207	28.1396	nuclear factor, erythroid 2 like 3 [Source:HGNC Symbol;Acc:HGN	chr7:26191	NM_00428	.	.	.	NP_00428	.	protein_co	ENSG0000	9603	7783
NFIA	3.71467	4.10754	5.24625	3.11388	4.61924	4.48692	nuclear factor I A [Source:HGNC Symbol;Acc:HGNC:7784]	chr1:61330	NM_00113	XM_01154	.	.	NP_00112	XP_011539	protein_co	ENSG0000	4774	7784
NFIB	2.77743	2.96232	3.48626	3.33611	3.47493	5.02891	nuclear factor I B [Source:HGNC Symbol;Acc:HGNC:7785]	chr9:14081	NM_00119	XM_01701	.	.	NP_00117	XP_005251	protein_co	ENSG0000	4781	7785
NFIC	21.0006	22.7868	19.2082	20.4991	21.3205	15.0811	nuclear factor I C [Source:HGNC Symbol;Acc:HGNC:7786]	chr19:3359	NM_00124	XM_01702	.	.	NP_00123	XP_005259	protein_co	ENSG0000	4782	7786
NFIL3	22.1328	21.3985	16.3967	24.151	27.5114	26.5935	nuclear factor, interleukin 3 regulated [Source:HGNC Symbol;Acc	chr9:94171	NM_00128	.	.	.	NP_00127	XP_016870	protein_co	ENSG0000	4783	7787
NFIX	10.9435	10.376	12.4369	9.03281	7.30796	6.73667	nuclear factor I X [Source:HGNC Symbol;Acc:HGNC:7788]	chr19:1310	NM_00127	XM_01702	.	.	NP_00125	XP_005259	protein_co	ENSG0000	4784	7788
NFKB1	17.0912	18.3367	14.9569	11.8871	10.4759	9.69189	nuclear factor kappa B subunit 1 [Source:HGNC Symbol;Acc:HGN	chr4:10342	NM_00116	XM_01153	.	.	NP_00115	XP_011530	protein_co	ENSG0000	4790	7794
NFKB2	65.105	65.9554	60.978	30.2466	28.1498	31.1354	nuclear factor kappa B subunit 2 [Source:HGNC Symbol;Acc:HGN	chr10:1041	NM_00107	XM_00526	.	.	NP_00107	XP_005269	protein_co	ENSG0000	4791	7795
NFKBIA	61.848	59.0187	49.5083	24.2336	19.7645	22.4703	NFKB inhibitor alpha [Source:HGNC Symbol;Acc:HGNC:7797]	chr14:3587	NM_02052	.	.	.	NP_06539	.	protein_co	ENSG0000	4792	7797
NFKBIB	40.4485	41.6115	30.2565	44.76	36.0977	22.8567	NFKB inhibitor beta [Source:HGNC Symbol;Acc:HGNC:7798]	chr19:3936	NM_00124	XM_00672	.	.	NP_00123	XP_006723	protein_co	ENSG0000	4793	7798
NFKBID	2.39919	2.39562	2.51663	2.07622	1.91463	1.55121	NFKB inhibitor delta [Source:HGNC Symbol;Acc:HGNC:15671]	chr19:3637	NM_13923	XM_01152	.	.	NP_00130	XP_005259	protein_co	ENSG0000	84807	15671
NFKBIE	12.7575	11.9008	11.4927	10.7205	9.25175	6.67906	NFKB inhibitor epsilon [Source:HGNC Symbol;Acc:HGNC:7799]	chr6:44225	NM_00455	.	.	.	NP_00454	.	protein_co	ENSG0000	4794	7799

NFKBIL1	16.9576	15.5809	12.6404	14.8182	11.284	13.0536	NFKB inhibitor like 1 [Source:HGNC Symbol;Acc:HGNC:7800]	chr6:31515	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	4795	7800
NFKBIZ	7.15048	7.52977	6.91064	2.0393	2.09928	2.68265	NFKB inhibitor zeta [Source:HGNC Symbol;Acc:HGNC:29805]	chr3:10154	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	64332	29805
NFRKB	8.02966	8.00789	7.93819	6.6863	8.71879	5.78248	nuclear factor related to kappaB binding protein [Source:HGNC S	chr11:1297	NM_00114	XM_01701	.	.	NP_00113	XP_005271	protein_co	ENSG0000	4798	7802
NFS1	16.3414	17.1218	18.393	17.7337	15.0823	13.8863	NFS1 cysteine desulfurase [Source:HGNC Symbol;Acc:HGNC:1591	chr20:3425	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	9054	15910
NFU1	18.6204	16.9041	14.2862	21.9403	22.5628	20.7223	NFU1 iron-sulfur cluster scaffold [Source:HGNC Symbol;Acc:HGN	chr2:69622	NM_00100	.	.	.	NP_00100	XP_016859	protein_co	ENSG0000	27247	16287
NFX1	14.9731	16.3714	14.4085	14.2923	16.4361	13.3455	nuclear transcription factor, X-box binding 1 [Source:HGNC Symb	chr9:33290	NM_00131	XM_00525	.	.	NP_00130	.	protein_co	ENSG0000	4799	7803
NFXL1	10.0531	9.68882	9.17762	11.2033	10.9804	10.3909	nuclear transcription factor, X-box binding like 1 [Source:HGNC S	chr4:47849	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	152518	18726
NFYA	18.3901	16.2473	16.8556	18.5465	20.9341	21.8644	nuclear transcription factor Y subunit alpha [Source:HGNC Symbo	chr6:41032	NM_00250	.	.	.	NP_00249	.	protein_co	ENSG0000	4800	7804
NFYB	17.7601	15.0898	16.0131	16.1895	20.3881	21.3542	nuclear transcription factor Y subunit beta [Source:HGNC Symbol	chr12:1045	NM_00616	XM_00526	.	.	NP_00615	XP_005268	protein_co	ENSG0000	4801	7805
NFYC	21.8764	24.5062	18.193	24.7411	21.194	19.4433	nuclear transcription factor Y subunit gamma [Source:HGNC Sym	chr1:41157	NM_00114	XM_01700	.	.	NP_00113	XP_005270	protein_co	ENSG0000	4802	7806
NGB	0.052967	0	0	0	0	0	neuroglobin [Source:HGNC Symbol;Acc:HGNC:14077]	chr14:7773	NM_02125	.	.	.	NP_06708	.	protein_co	ENSG0000	58157	14077
NGDN	50.5868	50.3861	38.3403	56.6837	48.5064	36.0014	neuroguidin [Source:HGNC Symbol;Acc:HGNC:20271]	chr14:2393	NM_00104	XM_01153	.	.	NP_00103	.	protein_co	ENSG0000	25983	20271
NGEF	1.75623	2.14326	2.7975	2.16201	1.81307	2.884	neuronal guanine nucleotide exchange factor [Source:HGNC Sym	chr2:23374	NM_00111	XM_01151	.	.	NP_00110	XP_011509	protein_co	ENSG0000	25791	7807
NGF	0	0	0	0	0	0	nerve growth factor [Source:HGNC Symbol;Acc:HGNC:7808]	chr1:11582	NM_00250	XM_00671	.	.	NP_00249	XP_006710	protein_co	ENSG0000	4803	7808
NGFR	6.68849	6.77112	7.78937	7.95362	8.24386	8.02102	nerve growth factor receptor [Source:HGNC Symbol;Acc:HGNC:78	chr17:4757	NM_00250	.	.	.	NP_00249	.	protein_co	ENSG0000	4804	7809
NGLY1	14.2618	13.0517	15.735	13.6048	14.2234	13.0037	N-glycanase 1 [Source:HGNC Symbol;Acc:HGNC:17646]	chr3:25760	NM_00114	XM_01153	.	.	NP_00113	XP_005265	protein_co	ENSG0000	55768	17646
NGRN	22.4782	23.9729	18.5115	28.6942	24.0965	21.7651	neugrin, neurite outgrowth associated [Source:HGNC Symbol;Acc	chr15:9080	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	51335	18077
NHEJ1	10.3467	9.22102	8.8754	8.81701	8.77149	7.98008	non-homologous end joining factor 1 [Source:HGNC Symbol;Acc:H	chr2:21994	NM_02478	.	.	.	NP_07905	.	protein_co	ENSG0000	79840	25737
NHLH1	0.197908	0.160222	0.305616	0.60225	0.134807	0.296148	nescient helix-loop-helix 1 [Source:HGNC Symbol;Acc:HGNC:7817	chr1:16033	NM_00559	XM_01150	.	.	NP_00558	XP_011507	protein_co	ENSG0000	4807	7817
NHLH2	0	0	0	0	0	0.036908	nescient helix-loop-helix 2 [Source:HGNC Symbol;Acc:HGNC:7818	chr1:11637	NM_00111	XM_00671	.	.	NP_00110	XP_006710	protein_co	ENSG0000	4808	7818
NHLRC1	0	0	0	0	0	0	NHL repeat containing E3 ubiquitin protein ligase 1 [Source:HGN	chr6:18121	NM_19858	.	.	.	NP_94098	.	protein_co	ENSG0000	378884	21576
NHLRC2	7.61461	7.97329	7.91892	6.51097	7.21701	10.3914	NHL repeat containing 2 [Source:HGNC Symbol;Acc:HGNC:24731]	chr10:1156	NM_19851	XM_01153	.	.	NP_94091	XP_011538	protein_co	ENSG0000	374354	24731
NHLRC3	4.21899	4.54039	4.66274	3.31941	3.63535	3.38443	NHL repeat containing 3 [Source:HGNC Symbol;Acc:HGNC:33751]	chr13:3961	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	387921	33751
NHLRC4	0	0	0.036869	0.091581	0.05019	0.095722	NHL repeat containing 4 [Source:HGNC Symbol;Acc:HGNC:26700]	chr16:6169	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	283948	26700
NHP2	209.913	200.611	175.494	214.589	171.761	138.079	NHP2 ribonucleoprotein [Source:HGNC Symbol;Acc:HGNC:14377]	chr5:17755	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	55651	14377
NHS	2.0499	1.64987	2.34973	0.548628	0.661457	1.10579	NHS actin remodeling regulator [Source:HGNC Symbol;Acc:HGNC	chrX:17393	NM_00113	.	.	.	NP_00112	XP_011543	protein_co	ENSG0000	4810	7820
NHSL1	3.93984	3.98411	4.11236	4.33614	4.34077	6.27509	NHS like 1 [Source:HGNC Symbol;Acc:HGNC:21021]	chr6:13872	NM_00114	XM_01153	.	.	NP_00113	XP_005267	protein_co	ENSG0000	57224	21021
NHSL2	0.061035	0.045271	0.036276	0.088949	0.046578	0.043732	NHS like 2 [Source:HGNC Symbol;Acc:HGNC:33737]	chrX:71130	NM_00101	XM_01702	.	.	NP_00101	XP_016884	protein_co	ENSG0000	340527	33737
NICN1	1.48797	1.64037	2.76118	2.73654	1.51485	2.0695	nicolin 1 [Source:HGNC Symbol;Acc:HGNC:18317]	chr3:49454	NM_03231	.	.	.	NP_11569	.	protein_co	ENSG0000	84276	18317
NID1	0.027403	0.05183	0.047409	0.041967	0.046548	0.028622	nidogen 1 [Source:HGNC Symbol;Acc:HGNC:7821]	chr1:23613	NM_00250	XM_01154	.	.	NP_00249	XP_011542	protein_co	ENSG0000	4811	7821
NID2	0	0	0.015979	0	0	0	nidogen 2 [Source:HGNC Symbol;Acc:HGNC:13389]	chr14:5245	NM_00736	XM_00526	.	.	NP_03138	XP_005267	protein_co	ENSG0000	22795	13389
NIF3L1	30.6339	26.7261	22.183	32.2628	31.981	25.2862	NGG1 interacting factor 3 like 1 [Source:HGNC Symbol;Acc:HGNC	chr2:20175	NM_00113	XM_01151	.	.	NP_00112	XP_005246	protein_co	ENSG0000	60491	13390
NIFK	51.4492	49.9471	52.1264	55.2961	63.9673	47.2741	nucleolar protein interacting with the FHA domain of MKI67 [Sou	chr2:12248	NM_03239	.	.	.	NP_11576	.	protein_co	ENSG0000	84365	17838
NIM1K	0.023339	0	0	0	0	0	NIM1 serine/threonine protein kinase [Source:HGNC Symbol;Acc:	chr5:43192	NM_15336	XM_00671	.	.	NP_69919	XP_006714	protein_co	ENSG0000	167359	28646
NIN	8.91827	9.31482	9.41416	8.20928	8.81951	9.53883	ninein [Source:HGNC Symbol;Acc:HGNC:14906]	chr14:5118	NM_01635	XM_01153	.	.	NP_05743	XP_011535	protein_co	ENSG0000	51199	14906
NINJ1	34.2642	34.769	33.4694	32.9125	23.1599	31.9224	ninjurin 1 [Source:HGNC Symbol;Acc:HGNC:7824]	chr9:95883	NM_00414	.	.	.	NP_00413	.	protein_co	ENSG0000	4814	7824
NINJ2	0.143828	0	0	0	0	0	ninjurin 2 [Source:HGNC Symbol;Acc:HGNC:7825]	chr12:6734	NM_00129	.	.	.	NP_00128	.	protein_co	ENSG0000	4815	7825
NINL	2.7755	2.78911	3.67236	2.17261	2.50262	2.66723	ninein like [Source:HGNC Symbol;Acc:HGNC:29163]	chr20:2543	NM_00131	XM_01152	.	.	NP_00130	XP_005260	protein_co	ENSG0000	22981	29163
NIP7	44.0774	45.8701	43.344	55.5939	52.7013	39.1783	NIP7, nucleolar pre-rRNA processing protein [Source:HGNC Symb	chr16:6936	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	51388	24328
NIPA1	11.1657	11.5837	13.1993	11.6511	13.2172	14.7019	non imprinted in Prader-Willi/Angelman syndrome 1 [Source:HG	chr15:2304	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	123606	17043
NIPA2	33.7275	35.8814	31.9549	38.0334	42.0667	38.4831	non imprinted in Prader-Willi/Angelman syndrome 2 [Source:HG	chr15:2289	NM_00100	XM_01154	.	.	NP_00100	XP_005272	protein_co	ENSG0000	81614	17044
NIPAL1	3.30226	3.1361	3.96543	2.77944	3.51742	2.77902	NIPA like domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2	chr4:48018	NM_20733	XM_01700	.	.	NP_99721	XP_016863	protein_co	ENSG0000	152519	27194
NIPAL2	2.78687	2.15658	3.27454	1.64073	2.51231	4.00994	NIPA like domain containing 2 [Source:HGNC Symbol;Acc:HGNC:2	chr8:99202	NM_00132	XM_00525	.	.	NP_00130	.	protein_co	ENSG0000	79815	25854
NIPAL3	6.78431	7.36015	7.40603	5.1628	4.42209	5.9218	NIPA like domain containing 3 [Source:HGNC Symbol;Acc:HGNC:2	chr1:24742	NM_00132	XM_01154	.	.	NP_00130	XP_011540	protein_co	ENSG0000	57185	25233
NIPAL4	0	0.056243	0.040706	0.02592	0.026758	0.024668	NIPA like domain containing 4 [Source:HGNC Symbol;Acc:HGNC:2	chr5:15688	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	348938	28018
NIPBL	13.2605	12.5528	10.2189	13.151	12.5115	18.3598	NIPBL, cohesin loading factor [Source:HGNC Symbol;Acc:HGNC:28	chr5:36876	NM_01538	XM_01151	.	.	NP_05619	XP_005248	protein_co	ENSG0000	25836	28862
NIPSNAP1	64.3557	64.7286	99.6545	72.1395	63.7278	92.9257	nipsnap homolog 1 (C. elegans) [Source:HGNC Symbol;Acc:HGNC	chr22:2995	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	8508	7827
NIPSNAP3A	7.49515	8.0357	8.03155	6.14548	5.24524	5.26794	nipsnap homolog 3A [Source:HGNC Symbol;Acc:HGNC:23619]	chr9:10750	NM_01546	.	.	.	NP_05628	.	protein_co	ENSG0000	25934	23619
NIPSNAP3B	0	0	0.055922	0	0	0	nipsnap homolog 3B [Source:HGNC Symbol;Acc:HGNC:23641]	chr9:10752	NM_01837	XM_01151	.	.	NP_06084	XP_011517	protein_co	ENSG0000	55335	23641
NISCH	20.344	20.8087	21.854	21.885	23.0682	24.0953	nischarin [Source:HGNC Symbol;Acc:HGNC:18006]	chr3:52489	NM_00127	XM_01153	.	.	NP_00126	.	protein_co	ENSG0000	11188	18006
NIT1	28.095	25.54	27.1897	24.752	19.4692	33.6214	nitrilase 1 [Source:HGNC Symbol;Acc:HGNC:7828]	chr1:16107	NM_00118	XM_01700	.	.	NP_00117	XP_005245	protein_co	ENSG0000	4817	7828
NIT2	8.16386	7.26865	8.04567	7.51984	6.77249	6.38049	nitrilase family member 2 [Source:HGNC Symbol;Acc:HGNC:2987	chr3:10005	NM_02020	.	.	.	NP_06458	.	protein_co	ENSG0000	56954	29878
NKAIN1	1.19794	0.970042	1.26217	1.11754	1.28397	1.13201	Na+/K+ transporting ATPase interacting 1 [Source:HGNC Symbol;	chr1:31652	NM_02452	.	.	.	NP_07879	.	protein_co	ENSG0000	79570	25743
NKAIN2	0	0	0	0	0	0	Na+/K+ transporting ATPase interacting 2 [Source:HGNC Symbol;	chr6:12412	NM_00104	.	.	.	NP_00103	XP_011533	protein_co	ENSG0000	154215	16443
NKAIN3	0	0	0	0	0	0	Na+/K+ transporting ATPase interacting 3 [Source:HGNC Symbol;	chr8:63161	.	.	.	.	.	.	protein_co	ENSG0000	.	26829
NKAIN4	0	0	0.113044	0	0	0	Na+/K+ transporting ATPase interacting 4 [Source:HGNC Symbol;	chr20:6187	NM_15286	XM_01152	.	.	NP_69060	XP_005260	protein_co	ENSG0000	128414	16191
NKAP	4.85427	4.38814	4.41977	5.22634	4.12867	4.33426	NFKB activating protein [Source:HGNC Symbol;Acc:HGNC:29873]	chrX:11902	NM_02452	.	.	.	NP_07880	.	protein_co	ENSG0000	79576	29873
NKAPL	0	0	0.067405	0.086426	0	0.038675	NFKB activating protein like [Source:HGNC Symbol;Acc:HGNC:215	chr6:28227	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	222698	21584
NKD1	1.46761	1.48958	2.26082	1.18026	1.35521	2.04987	naked cuticle homolog 1 [Source:HGNC Symbol;Acc:HGNC:17045]	chr16:5058	NM_03311	XM_01152	.	.	NP_14911	XP_011521	protein_co	ENSG0000	85407	17045

NKD2	6.8254	8.44565	6.64095	10.041	8.78535	6.35448	naked cuticle homolog 2 [Source:HGNC Symbol;Acc:HGNC:17046	chr5:10089	NM_00127	XM_01151	.	.	NP_00125	XP_005248	protein_co	ENSG0000	85409	17046
NKG7	0	0	0	0	0	0	natural killer cell granule protein 7 [Source:HGNC Symbol;Acc:HG	chr19:5187	NM_00560	XM_00525	.	.	NP_00559	XP_005259	protein_co	ENSG0000	4818	7830
NKIRAS1	10.9101	12.3881	10.5318	15.4186	14.9486	14.3194	NFKB inhibitor interacting Ras like 1 [Source:HGNC Symbol;Acc:H	chr3:23933	NM_02034	XM_00526	.	.	NP_06507	XP_005265	protein_co	ENSG0000	28512	17899
NKIRAS2	21.3489	19.0134	19.9739	18.9362	19.4174	15.6033	NFKB inhibitor interacting Ras like 2 [Source:HGNC Symbol;Acc:H	chr17:4011	NM_00100	XM_01152	.	.	NP_00100	XP_005257	protein_co	ENSG0000	28511	17898
NKPD1	0.063187	0.189131	0.251947	0.045042	0.049373	0.245164	NTPase, KAP family P-loop domain containing 1 [Source:HGNC Sy	chr19:4565	NM_19847	.	.	.	NP_94088	XP_011525	protein_co	ENSG0000	284353	24739
NKRF	12.5552	13.776	11.8898	11.3766	12.883	10.9332	NFKB repressing factor [Source:HGNC Symbol;Acc:HGNC:19374]	chrX:11870	NM_00117	XM_01153	.	.	NP_00116	XP_011529	protein_co	ENSG0000	55922	19374
NKTR	14.3201	15.6265	16.4831	9.01611	11.4355	13.4744	natural killer cell triggering receptor [Source:HGNC Symbol;Acc:H	chr3:42589	NM_00538	XM_01700	.	.	NP_00537	XP_005265	protein_co	ENSG0000	4820	7833
NKX1-1	0	0	0	0	0	0	NK1 homeobox 1 [Source:HGNC Symbol;Acc:HGNC:24975]	chr4:13967	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	54729	24975
NKX1-2	4.31557	3.56658	4.55535	4.38822	4.81053	3.45777	NK1 homeobox 2 [Source:HGNC Symbol;Acc:HGNC:31652]	chr10:1261	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	390010	31652
NKX2-1	1.08941	0.841834	1.31357	1.11209	0.391939	0.647303	NK2 homeobox 1 [Source:HGNC Symbol;Acc:HGNC:11825]	chr14:3698	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	7080	11825
NKX2-2	0	0	0	0	0	0	NK2 homeobox 2 [Source:HGNC Symbol;Acc:HGNC:7835]	chr20:2149	NM_00250	.	.	.	NP_00250	.	protein_co	ENSG0000	4821	7835
NKX2-3	0	0	0	0	0	0	NK2 homeobox 3 [Source:HGNC Symbol;Acc:HGNC:7836]	chr10:1012	NM_14528	XM_01153	.	.	NP_66032	.	protein_co	ENSG0000	159296	7836
NKX2-4	0	0	0	0	0	0	NK2 homeobox 4 [Source:HGNC Symbol;Acc:HGNC:7837]	chr20:2137	NM_03317	.	.	.	NP_14941	.	protein_co	ENSG0000	644524	7837
NKX2-5	0	0	0	0	0	0	NK2 homeobox 5 [Source:HGNC Symbol;Acc:HGNC:2488]	chr5:17265	NM_00116	.	.	.	NP_00115	XP_016864	protein_co	ENSG0000	1482	2488
NKX2-6	0	0	0	0	0	0	NK2 homeobox 6 [Source:HGNC Symbol;Acc:HGNC:32940]	chr8:23559	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	137814	32940
NKX2-8	7.48139	7.00857	6.93163	5.77916	4.37155	8.67472	NK2 homeobox 8 [Source:HGNC Symbol;Acc:HGNC:16364]	chr14:3704	NM_01436	.	.	.	NP_05517	.	protein_co	ENSG0000	26257	16364
NKX3-1	3.47003	5.43666	3.92917	2.79425	3.65013	3.1409	NK3 homeobox 1 [Source:HGNC Symbol;Acc:HGNC:7838]	chr8:23536	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	4824	7838
NKX3-2	1.2846	1.36767	1.39275	0.759349	0.828605	1.18245	NK3 homeobox 2 [Source:HGNC Symbol;Acc:HGNC:951]	chr4:13542	NM_00118	.	.	.	NP_00118	.	protein_co	ENSG0000	579	951
NKX6-1	2.96445	3.81499	3.01106	3.25564	2.92016	3.16852	NK6 homeobox 1 [Source:HGNC Symbol;Acc:HGNC:7839]	chr4:85413	NM_00616	XM_00671	.	.	NP_00615	XP_006714	protein_co	ENSG0000	4825	7839
NKX6-2	0	0	0.042147	0.05318	0	0	NK6 homeobox 2 [Source:HGNC Symbol;Acc:HGNC:19321]	chr10:1343	NM_17740	.	.	.	NP_79637	XP_016872	protein_co	ENSG0000	84504	19321
NKX6-3	0	0	0	0	0	0	NK6 homeobox 3 [Source:HGNC Symbol;Acc:HGNC:26328]	chr8:41502	NM_15256	.	.	.	NP_68978	XP_016868	protein_co	ENSG0000	157848	26328
NLE1	22.8279	24.3041	21.8454	30.073	22.7343	15.9528	notchless homolog 1 [Source:HGNC Symbol;Acc:HGNC:19889]	chr17:3344	NM_00101	XM_01702	.	.	NP_00101	XP_016880	protein_co	ENSG0000	54475	19889
NLGN1	0.014457	0.040247	0.032525	0	0	0.014085	neuroligin 1 [Source:HGNC Symbol;Acc:HGNC:14291]	chr3:17311	NM_01493	XM_01151	.	.	NP_05574	XP_005247	protein_co	ENSG0000	22871	14291
NLGN2	16.0809	18.3367	23.9426	17.354	15.6976	17.6361	neuroligin 2 [Source:HGNC Symbol;Acc:HGNC:14290]	chr17:7308	NM_02079	XM_00525	.	.	NP_06584	XP_005256	protein_co	ENSG0000	57555	14290
NLGN3	0.655036	0.43389	0.568852	0.487854	0.375121	0.75708	neuroligin 3 [Source:HGNC Symbol;Acc:HGNC:14289]	chrX:70364	NM_00116	XM_01153	.	.	NP_00116	XP_006724	protein_co	ENSG0000	54413	14289
NLGN4X	0	0	0	0	0	0	neuroligin 4, X-linked [Source:HGNC Symbol;Acc:HGNC:14287]	chrX:58080	NM_00128	XM_01702	.	.	NP_00126	XP_005274	protein_co	ENSG0000	57502	14287
NLGN4Y	0	0	0	0	0	0	neuroligin 4, Y-linked [Source:HGNC Symbol;Acc:HGNC:15529]	chrY:16733	NM_00116	XM_01153	.	.	NP_00115	XP_006724	protein_co	ENSG0000	22829	15529
NLK	5.95838	5.53344	4.7446	4.99903	5.27047	3.90785	nemo like kinase [Source:HGNC Symbol;Acc:HGNC:29858]	chr17:2636	NM_01623	XM_00525	.	.	NP_05731	XP_005258	protein_co	ENSG0000	51701	29858
NLN	12.0452	12.5739	13.4527	14.0358	14.4685	15.4452	neurolysin [Source:HGNC Symbol;Acc:HGNC:16058]	chr5:65018	NM_02072	XM_00671	.	.	NP_06577	XP_005248	protein_co	ENSG0000	57486	16058
NLRC3	0	0.052776	0.019612	0.024852	0	0.036325	NLR family CARD domain containing 3 [Source:HGNC Symbol;Acc:	chr16:3550	NM_17884	XM_01152	.	.	NP_84917	XP_011520	protein_co	ENSG0000	197358	29889
NLRC4	0	0.060289	0.033211	0	0	0	NLR family CARD domain containing 4 [Source:HGNC Symbol;Acc:	chr2:32449	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	58484	16412
NLRC5	1.7328	1.90663	1.74514	1.82658	1.54524	1.27393	NLR family CARD domain containing 5 [Source:HGNC Symbol;Acc:	chr16:5702	NM_03220	XM_01702	.	.	NP_11558	XP_005256	protein_co	ENSG0000	84166	29933
NLRP1	2.14903	2.25739	2.30566	1.82591	1.73507	2.36686	NLR family pyrin domain containing 1 [Source:HGNC Symbol;Acc:	chr17:5404	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	22861	14374
NLRP10	0.028701	0	0	0	0	0	NLR family pyrin domain containing 10 [Source:HGNC Symbol;Acc	chr11:7980	NM_17682	XM_01152	.	.	NP_78979	XP_011518	protein_co	ENSG0000	338322	21464
NLRP11	0.275044	0.36943	0.169256	0.491445	0.781889	0.674285	NLR family pyrin domain containing 11 [Source:HGNC Symbol;Acc	chr19:5629	NM_00129	.	.	.	NP_00128	.	protein_co	ENSG0000	204801	22945
NLRP12	0.021721	0	0	0.023482	0	0.15952	NLR family pyrin domain containing 12 [Source:HGNC Symbol;Acc	chr19:5429	NM_00127	XM_01702	.	.	NP_00126	XP_011525	protein_co	ENSG0000	91662	22938
NLRP13	0	0	0	0.018496	0	0.019193	NLR family pyrin domain containing 13 [Source:HGNC Symbol;Acc	chr19:5640	NM_00132	XM_00525	.	.	NP_00130	XP_005258	protein_co	ENSG0000	126204	22937
NLRP14	0.074582	0.178132	0.194762	0.084411	0.083125	0.074054	NLR family pyrin domain containing 14 [Source:HGNC Symbol;Acc	chr11:7041	NM_17682	XM_01152	.	.	NP_78979	.	protein_co	ENSG0000	338323	22939
NLRP2	25.9879	27.5178	27.243	29.7965	28.415	20.2895	NLR family pyrin domain containing 2 [Source:HGNC Symbol;Acc:	chr19:5543	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	55655	22948
NLRP2B	0	0	0	0.021985	0	0.020557	NLR family pyrin domain containing 2B [Source:HGNC Symbol;Acc	chrX:57703	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	286430	29887
NLRP3	0	0	0	0.018055	0	0	NLR family pyrin domain containing 3 [Source:HGNC Symbol;Acc:	chr1:24757	NM_00107	XM_01700	.	.	NP_00107	XP_005273	protein_co	ENSG0000	114548	16400
NLRP4	0.111047	0.137232	0.192876	0.551648	0.349278	0.600085	NLR family pyrin domain containing 4 [Source:HGNC Symbol;Acc:	chr19:5634	NM_13444	XM_01152	.	.	NP_60439	XP_011524	protein_co	ENSG0000	147945	22943
NLRP5	0.032469	0.03358	0.028497	0.072339	0.129202	0.051679	NLR family pyrin domain containing 5 [Source:HGNC Symbol;Acc:	chr19:5651	NM_15344	XM_01152	.	.	NP_70314	.	protein_co	ENSG0000	126206	21269
NLRP6	0	0	0	0	0.051734	0	NLR family pyrin domain containing 6 [Source:HGNC Symbol;Acc:	chr11:2783	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	171389	22944
NLRP7	0.020377	0.041401	0.088531	0.022335	0.27596	0.18741	NLR family pyrin domain containing 7 [Source:HGNC Symbol;Acc:	chr19:5543	NM_00112	XM_01152	.	.	NP_00112	XP_006723	protein_co	ENSG0000	199713	22947
NLRP8	0	0	0	0	0	0	NLR family pyrin domain containing 8 [Source:HGNC Symbol;Acc:	chr19:5645	NM_17681	XM_00525	.	.	NP_00130	XP_005258	protein_co	ENSG0000	126205	22940
NLRP9	0.02069	0	0	0	0	0	NLR family pyrin domain containing 9 [Source:HGNC Symbol;Acc:	chr19:5618	NM_17682	XM_01152	.	.	NP_78979	XP_011525	protein_co	ENSG0000	338321	22941
NLRX1	8.30221	8.15243	8.51968	6.84612	5.29638	6.3572	NLR family member X1 [Source:HGNC Symbol;Acc:HGNC:29890]	chr11:1190	NM_00128	XM_01154	.	.	NP_00126	XP_005271	protein_co	ENSG0000	79671	29890
NMB	11.9552	10.6573	12.6556	10.9012	10.6235	9.95346	neuromedin B [Source:HGNC Symbol;Acc:HGNC:7842]	chr15:8519	NM_02107	.	.	.	NP_06656	.	protein_co	ENSG0000	4828	7842
NMBR	0.073565	0	0	0.161234	0	0	neuromedin B receptor [Source:HGNC Symbol;Acc:HGNC:7843]	chr6:14239	NM_00251	.	.	.	NP_00250	.	protein_co	ENSG0000	4829	7843
NMD3	37.621	38.3834	39.3959	42.6076	43.0478	41.8292	NMD3 ribosome export adaptor [Source:HGNC Symbol;Acc:HGNC	chr3:16093	NM_00132	XM_00524	.	.	NP_00130	XP_005247	protein_co	ENSG0000	51068	24250
NME1	546.519	518.448	493.346	616.989	442.425	354.85	NME/NM23 nucleoside diphosphate kinase 1 [Source:HGNC Sym	chr17:4923	NM_00026	.	.	.	NP_00026	.	protein_co	ENSG0000	4830	7849
NME1-NME2	18.8013	16.6313	44.0234	28.6518	18.4993	30.8417	NME1-NME2 readthrough [Source:HGNC Symbol;Acc:HGNC:3353	chr17:4923	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	654364	33531
NME2	1074.25	1017.75	974.544	1077.53	835.724	878.322	NME/NM23 nucleoside diphosphate kinase 2 [Source:HGNC Sym	chr17:4923	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	4831	7850
NME3	72.4947	64.4249	70.1097	67.523	48.2528	52.3541	NME/NM23 nucleoside diphosphate kinase 3 [Source:HGNC Sym	chr16:1756	NM_00251	XM_01152	.	.	NP_00250	XP_005255	protein_co	ENSG0000	4832	7851
NME4	46.3969	49.1136	46.2386	62.8162	45.6547	41.2549	NME/NM23 nucleoside diphosphate kinase 4 [Source:HGNC Sym	chr16:4467	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	4833	7852
NME5	2.63149	1.47783	3.11775	2.67776	4.26348	2.49682	NME/NM23 family member 5 [Source:HGNC Symbol;Acc:HGNC:7	chr5:13745	NM_00355	.	.	.	NP_00354	.	protein_co	ENSG0000	8382	7853
NME6	10.5756	11.0997	7.28746	11.1896	9.2528	7.91042	NME/NM23 nucleoside diphosphate kinase 6 [Source:HGNC Sym	chr3:48282	NM_00579	XM_01153	.	.	NP_00129	XP_005264	protein_co	ENSG0000	10201	20567
NME7	10.5206	9.41093	12.395	10.6133	14.8975	17.0803	NME/NM23 family member 7 [Source:HGNC Symbol;Acc:HGNC:2	chr1:16907	NM_01333	.	.	.	NP_03746	XP_016856	protein_co	ENSG0000	29922	20461

NME8	0	0	0	0	0	0	NME/NM23 family member 8 [Source:HGNC Symbol;Acc:HGNC:1	chr7:37723	NM_01661	.	.	.	NP_05770	.	protein_co	ENSG0000	51314	16473
NME9	0.047425	0.048596	0	0	0.054227	0.315264	NME/NM23 family member 9 [Source:HGNC Symbol;Acc:HGNC:2	chr3:13790	NM_17813	XM_01151	.	.	NP_83523	XP_005247	protein_co	ENSG0000	347736	21343
NMI	9.62372	7.01998	5.14314	5.40887	6.52425	5.89027	N-myc and STAT interactor [Source:HGNC Symbol;Acc:HGNC:785	chr2:15212	NM_00468	XM_00524	.	.	NP_00467	XP_005246	protein_co	ENSG0000	9111	7854
NMNAT1	6.6297	6.32699	5.38531	6.89629	6.58556	6.05967	nicotinamide nucleotide adenylyltransferase 1 [Source:HGNC Syn	chr1:10003	NM_00129	.	.	.	NP_00128	XP_016857	protein_co	ENSG0000	64802	17877
NMNAT2	0	0	0.022702	0	0	0.013377	nicotinamide nucleotide adenylyltransferase 2 [Source:HGNC Syn	chr1:18321	NM_01503	.	.	.	NP_05585	.	protein_co	ENSG0000	23057	16789
NMNAT3	4.0738	3.53158	3.53913	5.40803	4.78589	5.47503	nicotinamide nucleotide adenylyltransferase 3 [Source:HGNC Syn	chr3:13927	NM_00120	XM_01151	.	.	NP_00118	XP_006713	protein_co	ENSG0000	349565	20989
NMRAL1	31.2084	32.4264	29.6925	35.178	27.5312	25.0955	NmrA like redox sensor 1 [Source:HGNC Symbol;Acc:HGNC:24987	chr16:4511	NM_00130	XM_00525	.	.	NP_00129	XP_005255	protein_co	ENSG0000	57407	24987
NMRK1	1.958	2.21513	3.23665	2.46734	2.60616	3.14847	nicotinamide riboside kinase 1 [Source:HGNC Symbol;Acc:HGNC:	chr9:77675	NM_00112	XM_01151	.	.	NP_00112	XP_006717	protein_co	ENSG0000	54981	26057
NMRK2	0	0	0	0	0	0	nicotinamide riboside kinase 2 [Source:HGNC Symbol;Acc:HGNC:	chr19:3933	NM_00128	XM_00672	.	.	NP_00127	XP_006722	protein_co	ENSG0000	27231	17871
NMS	0	0	0	0	0	0	neuromedin S [Source:HGNC Symbol;Acc:HGNC:32203]	chr2:10108	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	129521	32203
NMT1	38.301	39.8174	33.5356	39.0522	35.2632	28.1809	N-myristoyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:7857]	chr17:4310	NM_02107	.	.	.	NP_06656	.	protein_co	ENSG0000	4836	7857
NMT2	6.70453	7.01931	10.0391	6.62867	7.65491	6.65884	N-myristoyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:7858]	chr10:1514	NM_00130	XM_00671	.	.	NP_00129	XP_005252	protein_co	ENSG0000	9397	7858
NMU	35.5712	36.3523	32.1377	50.4214	44.8947	38.8569	neuromedin U [Source:HGNC Symbol;Acc:HGNC:7859]	chr4:56461	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	10874	7859
NMUR1	0.054035	0.027027	0.02315	0	0.031215	0	neuromedin U receptor 1 [Source:HGNC Symbol;Acc:HGNC:4518]	chr2:23238	NM_00605	XM_01151	.	.	NP_00604	XP_011508	protein_co	ENSG0000	10316	4518
NMUR2	0	0	0	0	0	0	neuromedin U receptor 2 [Source:HGNC Symbol;Acc:HGNC:1645	chr5:15117	NM_02016	.	.	.	NP_06455	.	protein_co	ENSG0000	56923	16454
NNAT	0	0	0	0	0	0	neuronatin [Source:HGNC Symbol;Acc:HGNC:7860]	chr20:3614	NM_00132	.	.	.	NP_00130	.	protein_co	ENSG0000	4826	7860
NNMT	0	0	0	0	0	0	nicotinamide N-methyltransferase [Source:HGNC Symbol;Acc:HG	chr11:1141	NM_00616	.	.	.	NP_00616	.	protein_co	ENSG0000	4837	7861
NNT	0	0	0	0.020549	0	0.018062	nicotinamide nucleotide transhydrogenase [Source:HGNC Symbo	chr5:43602	NM_01234	XM_01151	.	.	NP_03647	XP_005248	protein_co	ENSG0000	23530	7863
NOA1	22.0749	21.7299	27.9614	23.969	23.7006	23.796	nitric oxide associated 1 [Source:HGNC Symbol;Acc:HGNC:28473]	chr4:57829	NM_03231	.	.	.	NP_11568	.	protein_co	ENSG0000	84273	28473
NOB1	87.0938	81.8341	80.5562	102.873	87.7249	80.5247	NIN1/PSMD8 binding protein 1 homolog [Source:HGNC Symbol;A	chr16:6977	NM_01406	.	.	.	NP_05478	.	protein_co	ENSG0000	28987	29540
NOBOX	0	0	0	0	0	0	NOBOX oogenesis homeobox [Source:HGNC Symbol;Acc:HGNC:2	chr7:14409	NM_00108	.	.	.	NP_00107	XP_016867	protein_co	ENSG0000	135935	22448
NOC2L	114.047	113.477	94.715	136.276	118.194	82.4674	NOC2 like nucleolar associated transcriptional repressor [Source:	chr1:86111	NM_01565	.	.	.	NP_05647	.	protein_co	ENSG0000	26155	24517
NOC3L	18.8552	18.666	19.5605	18.9178	21.0853	17.9629	NOC3 like DNA replication regulator [Source:HGNC Symbol;Acc:H	chr10:9609	NM_02245	.	.	.	NP_07189	.	protein_co	ENSG0000	64318	24034
NOC4L	23.2645	24.9908	20.5248	30.6808	24.1555	18.0285	nucleolar complex associated 4 homolog [Source:HGNC Symbol;A	chr12:1326	NM_02407	.	.	.	NP_07698	XP_016875	protein_co	ENSG0000	79050	28461
NOCT	18.5157	17.2673	12.807	16.9371	17.5356	12.6321	nocturnin [Source:HGNC Symbol;Acc:HGNC:14254]	chr4:13993	NM_01211	.	.	.	NP_03625	.	protein_co	ENSG0000	25819	14254
NOD1	2.86167	2.95554	2.52496	2.65498	2.113	2.25596	nucleotide binding oligomerization domain containing 1 [Source:	chr7:30464	NM_00609	XM_01151	.	.	NP_00608	XP_005249	protein_co	ENSG0000	10392	16390
NOD2	2.30545	2.12072	2.20781	1.83159	2.2412	2.06984	nucleotide binding oligomerization domain containing 2 [Source:	chr16:5073	NM_00129	XM_01152	.	.	NP_00128	XP_005256	protein_co	ENSG0000	64127	5331
NODAL	0.042559	0.043147	0.036824	0	0	0.045184	nodal growth differentiation factor [Source:HGNC Symbol;Acc:HG	chr10:7219	NM_01805	.	.	.	NP_06052	.	protein_co	ENSG0000	4838	7865
NOG	0.203107	0.198273	0.518318	0.512713	0.158246	0.073709	noggin [Source:HGNC Symbol;Acc:HGNC:7866]	chr17:5467	NM_00545	.	.	.	NP_00544	.	protein_co	ENSG0000	9241	7866
NOL10	18.4232	16.567	16.7403	20.0733	20.5392	15.1767	nucleolar protein 10 [Source:HGNC Symbol;Acc:HGNC:25862]	chr2:10710	NM_00126	XM_01151	.	.	NP_00124	XP_011508	protein_co	ENSG0000	79954	25862
NOL11	57.4637	53.1693	54.7354	63.1524	67.3518	53.1492	nucleolar protein 11 [Source:HGNC Symbol;Acc:HGNC:24557]	chr17:6571	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	25926	24557
NOL12	20.9624	15.7986	15.0456	15.6288	12.6593	7.791	nucleolar protein 12 [Source:HGNC Symbol;Acc:HGNC:28585]	chr22:3808	NM_02431	.	.	.	NP_07728	.	protein_co	ENSG0000	79159	28585
NOL3	29.476	31.774	25.4702	28.2027	21.1096	14.5281	nucleolar protein 3 [Source:HGNC Symbol;Acc:HGNC:7869]	chr16:6720	NM_00118	XM_00672	.	.	NP_00117	XP_005256	protein_co	ENSG0000	8996	7869
NOL4	0.027735	0	0.023748	0	0	0	nucleolar protein 4 [Source:HGNC Symbol;Acc:HGNC:7870]	chr18:3143	NM_00119	XM_01152	.	.	NP_00118	XP_006722	protein_co	ENSG0000	8715	7870
NOL4L	3.62809	3.8457	4.57917	2.55979	2.19508	1.96469	nucleolar protein 4 like [Source:HGNC Symbol;Acc:HGNC:16106]	chr20:3103	NM_08061	XM_00526	.	.	NP_54218	XP_005260	protein_co	ENSG0000	140688	16106
NOL6	15.3208	16.6327	15.3701	15.7392	14.5367	10.0202	nucleolar protein 6 [Source:HGNC Symbol;Acc:HGNC:19910]	chr9:33461	NM_02291	.	.	.	NP_07506	.	protein_co	ENSG0000	65083	19910
NOL7	68.7141	64.5625	52.3701	71.6865	66.9655	55.1042	nucleolar protein 7 [Source:HGNC Symbol;Acc:HGNC:21040]	chr6:13615	NM_01616	XM_00524	.	.	NP_00130	XP_005249	protein_co	ENSG0000	51406	21040
NOL8	15.2154	13.9306	11.4341	13.8789	15.1645	13.3965	nucleolar protein 8 [Source:HGNC Symbol;Acc:HGNC:23387]	chr9:95059	NM_00125	XM_01151	.	.	NP_00124	XP_006717	protein_co	ENSG0000	55035	23387
NOL9	9.6129	10.6497	10.9279	10.3279	11.5611	9.24313	nucleolar protein 9 [Source:HGNC Symbol;Acc:HGNC:26265]	chr1:65814	NM_02465	.	.	.	NP_07893	.	protein_co	ENSG0000	79707	26265
NOLC1	170.66	179.099	158.108	174.617	179.694	127.987	nucleolar and coiled-body phosphoprotein 1 [Source:HGNC Symb	chr10:1039	NM_00128	XM_00527	.	.	NP_00127	XP_005270	protein_co	ENSG0000	9221	15608
NOM1	9.50998	9.51441	10.578	10.2429	11.6857	9.5352	nucleolar protein with MIF4G domain 1 [Source:HGNC Symbol;Ac	chr7:15674	NM_13840	.	.	.	NP_61240	.	protein_co	ENSG0000	64434	13244
NOMO1	17.1377	17.5928	17.52	15.9124	14.0288	13.8183	NODAL modulator 1 [Source:HGNC Symbol;Acc:HGNC:30060]	chr16:1492	NM_01428	.	.	.	NP_05510	.	protein_co	ENSG0000	23420	30060
NOMO2	5.62816	5.55121	5.83901	6.13504	5.63162	4.90396	NODAL modulator 2 [Source:HGNC Symbol;Acc:HGNC:22652]	chr16:1851	NM_00100	XM_00672	.	.	NP_00100	XP_006721	protein_co	ENSG0000	283820	22652
NOMO3	1.84897	2.07772	2.43498	1.90634	2.50213	1.67741	NODAL modulator 3 [Source:HGNC Symbol;Acc:HGNC:25242]	chr16:1632	NM_00100	XM_00525	.	.	NP_00100	XP_005255	protein_co	ENSG0000	408050	25242
NONO	226.323	231.012	202.773	249.972	241.567	230.32	non-POU domain containing, octamer-binding [Source:HGNC Sym	chrX:70503	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	4841	7871
NOP10	297.073	264.114	273.571	394.633	292.459	314.954	NOP10 ribonucleoprotein [Source:HGNC Symbol;Acc:HGNC:1437	chr15:3463	NM_01864	.	.	.	NP_06111	.	protein_co	ENSG0000	55505	14378
NOP14	33.0101	33.6561	30.7325	35.5902	33.8542	24.3724	NOP14 nucleolar protein [Source:HGNC Symbol;Acc:HGNC:16821	chr4:29396	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	8602	16821
NOP16	67.4526	62.8421	61.2075	81.6296	68.7789	41.9714	NOP16 nucleolar protein [Source:HGNC Symbol;Acc:HGNC:26934	chr5:17581	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	51491	26934
NOP2	47.6118	49.0667	42.0996	56.0115	53.6816	35.7109	NOP2 nucleolar protein [Source:HGNC Symbol;Acc:HGNC:7867]	chr12:6666	NM_00103	XM_01152	.	.	NP_00102	XP_005253	protein_co	ENSG0000	4839	7867
NOP56	194.058	181.842	151.907	227.794	204.937	142.399	NOP56 ribonucleoprotein [Source:HGNC Symbol;Acc:HGNC:1591	chr20:2632	NM_00639	.	NR_03169	.	NP_00638	.	protein_co	ENSG0000	100302138	15911
NOP58	88.5945	76.7031	74.233	88.2206	96.2875	75.8243	NOP58 ribonucleoprotein [Source:HGNC Symbol;Acc:HGNC:2992	chr2:20313	NM_01593	.	.	.	NP_05701	.	protein_co	ENSG0000	51602	29926
NOP9	16.4027	16.1288	19.3469	15.7403	17.0673	13.1918	NOP9 nucleolar protein [Source:HGNC Symbol;Acc:HGNC:19826]	chr14:2476	NM_00128	XM_01153	.	.	NP_00127	XP_005267	protein_co	ENSG0000	161424	19826
NOS1	0.011626	0.03565	0.045306	0	0.006615	0.02444	nitric oxide synthase 1 [Source:HGNC Symbol;Acc:HGNC:7872]	chr12:1176	NM_00062	XM_01701	.	.	NP_00061	XP_011536	protein_co	ENSG0000	4842	7872
NOS1AP	0.962356	0.963938	1.3021	1.74093	1.7331	2.75767	nitric oxide synthase 1 adaptor protein [Source:HGNC Symbol;Ac	chr1:16203	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	9722	16859
NOS2	0.040122	0.02011	0.053986	0.016918	0	0.068801	nitric oxide synthase 2 [Source:HGNC Symbol;Acc:HGNC:7873]	chr17:2608	NM_00062	XM_01152	.	.	NP_00061	XP_011523	protein_co	ENSG0000	4843	7873
NOS3	9.03771	8.63175	6.87539	7.16381	6.6675	4.75102	nitric oxide synthase 3 [Source:HGNC Symbol;Acc:HGNC:7876]	chr7:15068	NM_00060	XM_01701	.	.	NP_00059	XP_016867	protein_co	ENSG0000	4846	7876
NOSIP	112.517	103.741	92.9932	139.675	98.9437	83.9395	nitric oxide synthase interacting protein [Source:HGNC Symbol;A	chr19:5005	NM_00127	XM_01152	.	.	NP_00125	XP_005259	protein_co	ENSG0000	51070	17946
NOSTRIN	0.382301	0.581149	0.94385	1.03352	0.699609	1.42249	nitric oxide synthase trafficking [Source:HGNC Symbol;Acc:HGNC	chr2:16964	NM_00103	XM_01151	.	.	NP_00103	XP_005246	protein_co	ENSG0000	115677	20203
NOTCH1	7.10011	8.49012	7.66448	7.07456	7.42058	6.06368	notch 1 [Source:HGNC Symbol;Acc:HGNC:7881]	chr9:13938	NM_01761	XM_01151	.	.	NP_06008	XP_011517	protein_co	ENSG0000	4851	7881

NOTCH2	14.1893	14.4206	14.2388	13.7654	15.6528	14.1758	notch 2 [Source:HGNC Symbol;Acc:HGNC:7882]	chr1:12045	NM_02440	XM_01700	.	.	NP_07771	XP_005270	protein_co	ENSG0000	4853	7882
NOTCH2NL	9.62913	8.81299	9.23939	8.12346	8.45603	7.13932	notch 2 N-terminal like [Source:HGNC Symbol;Acc:HGNC:31862]	chr1:14520	NM_20345	.	.	.	NP_98228	XP_016855	protein_co	ENSG0000	100996717	31862
NOTCH3	5.81847	7.25869	10.9824	6.91029	6.58119	8.02393	notch 3 [Source:HGNC Symbol;Acc:HGNC:7883]	chr19:1526	NM_00043	XM_00525	.	.	NP_00042	XP_005259	protein_co	ENSG0000	4854	7883
NOTCH4	0.078218	0.111011	0.144362	0.155468	0.155449	0.147443	notch 4 [Source:HGNC Symbol;Acc:HGNC:7884]	chr6:32158	NM_00455	.	.	.	NP_00454	.	protein_co	ENSG0000	4855	7884
NOTO	0	0	0	0	0	0	notochord homeobox [Source:HGNC Symbol;Acc:HGNC:31839]	chr2:73429	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	344022	31839
NOTUM	4.75474	4.34417	5.97701	3.62542	4.02232	3.95087	NOTUM, palmitoleoyl-protein carboxylesterase [Source:HGNC Sy	chr17:7991	NM_17849	XM_01152	.	.	NP_84858	XP_011521	protein_co	ENSG0000	147111	27106
NOV	4.70959	4.58093	2.54154	5.39719	5.75546	2.7715	nephroblastoma overexpressed [Source:HGNC Symbol;Acc:HGNC	chr8:12042	NM_00251	.	.	.	NP_00250	.	protein_co	ENSG0000	4856	7885
NOVA1	0	0	0	0	0	0	NOVA alternative splicing regulator 1 [Source:HGNC Symbol;Acc:H	chr14:2691	NM_00251	XM_01153	.	.	NP_00250	XP_011535	protein_co	ENSG0000	4857	7886
NOVA2	1.09194	1.25033	2.20432	1.01157	1.01753	1.27395	NOVA alternative splicing regulator 2 [Source:HGNC Symbol;Acc:H	chr19:4643	NM_00251	.	.	.	NP_00250	.	protein_co	ENSG0000	4858	7887
NOX1	0	0	0	0	0	0.047645	NADPH oxidase 1 [Source:HGNC Symbol;Acc:HGNC:7889]	chrX:10009	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	27035	7889
NOX3	0	0	0	0	0	0	NADPH oxidase 3 [Source:HGNC Symbol;Acc:HGNC:7890]	chr6:15571	NM_01571	.	.	.	NP_05653	.	protein_co	ENSG0000	50508	7890
NOX4	0	0	0	0	0	0	NADPH oxidase 4 [Source:HGNC Symbol;Acc:HGNC:7891]	chr11:8905	NM_00114	XM_01154	.	.	NP_00113	XP_006718	protein_co	ENSG0000	50507	7891
NOX5	0.191472	0.220539	0.340634	0.356669	0.126597	0.124762	NADPH oxidase 5 [Source:HGNC Symbol;Acc:HGNC:14874]	chr15:6922	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	79400	14874
NOXA1	3.32019	3.44982	4.99102	2.38486	1.79847	2.41568	NADPH oxidase activator 1 [Source:HGNC Symbol;Acc:HGNC:106	chr9:14031	NM_00125	XM_01151	.	.	NP_00124	XP_011516	protein_co	ENSG0000	10811	10668
NOXO1	4.26496	5.92042	2.75854	2.66329	2.27795	0.784273	NADPH oxidase organizer 1 [Source:HGNC Symbol;Acc:HGNC:194	chr16:2022	NM_00126	XM_01702	.	.	NP_00125	XP_005255	protein_co	ENSG0000	124056	19404
NOXRED1	0.093983	0.297601	0	0.052714	0.209789	0.141315	NADP dependent oxidoreductase domain containing 1 [Source:H	chr14:7786	NM_00111	XM_01153	.	.	NP_00110	XP_005267	protein_co	ENSG0000	122945	20487
NPAP1	0	0	0	0	0	0	nuclear pore associated protein 1 [Source:HGNC Symbol;Acc:HGN	chr15:2492	NM_01895	.	.	.	NP_06183	.	protein_co	ENSG0000	23742	1190
NPAS1	1.14695	1.29755	1.83751	1.58839	1.51401	1.66677	neuronal PAS domain protein 1 [Source:HGNC Symbol;Acc:HGNC:	chr19:4752	NM_00132	XM_01152	.	.	NP_00130	XP_006723	protein_co	ENSG0000	4861	7894
NPAS2	5.88738	6.13021	5.39549	5.83447	5.2181	4.76525	neuronal PAS domain protein 2 [Source:HGNC Symbol;Acc:HGNC:	chr2:10143	NM_00251	XM_01151	.	.	NP_00250	XP_005264	protein_co	ENSG0000	4862	7895
NPAS3	0	0	0	0	0	0	neuronal PAS domain protein 3 [Source:HGNC Symbol;Acc:HGNC:	chr14:3340	NM_00116	XM_01702	.	.	NP_00115	XP_005268	protein_co	ENSG0000	64067	19311
NPAS4	0	0	0.020296	0	0.053987	0	neuronal PAS domain protein 4 [Source:HGNC Symbol;Acc:HGNC:	chr11:6618	NM_17886	.	.	.	NP_84919	XP_016873	protein_co	ENSG0000	266743	18983
NPAT	6.02278	5.6498	5.25143	5.76966	7.50736	7.71075	nuclear protein, coactivator of histone transcription [Source:HGN	chr11:1080	NM_00132	XM_01154	.	.	NP_00130	XP_011541	protein_co	ENSG0000	4863	7896
NPB	0.294297	0.501789	0.180999	0.361481	0.437512	0.368437	neuropeptide B [Source:HGNC Symbol;Acc:HGNC:30099]	chr17:7984	NM_14889	.	.	.	NP_68369	.	protein_co	ENSG0000	256933	30099
NPBWR1	0	0	0	0	0	0	neuropeptides B/W receptor 1 [Source:HGNC Symbol;Acc:HGNC:	chr8:53850	NM_00528	.	.	.	NP_00527	.	protein_co	ENSG0000	2831	4522
NPBWR2	0	0	0	0	0	0	neuropeptides B/W receptor 2 [Source:HGNC Symbol;Acc:HGNC:	chr20:6273	NM_00528	.	.	.	NP_00527	.	protein_co	ENSG0000	2832	4530
NPC1	13.2889	12.9939	13.0457	13.3386	13.7359	16.4042	NPC intracellular cholesterol transporter 1 [Source:HGNC Symbol	chr18:2108	NM_00027	XM_01152	.	.	NP_00026	XP_005258	protein_co	ENSG0000	4864	7897
NPC1L1	0.071146	0.12463	0.137027	0.17229	0.081915	0.135533	NPC1 like intracellular cholesterol transporter 1 [Source:HGNC Sy	chr7:44552	NM_00110	XM_01151	.	.	NP_00109	XP_011513	protein_co	ENSG0000	29881	7898
NPC2	80.3602	80.2011	110.197	87.8982	74.3411	95.7898	NPC intracellular cholesterol transporter 2 [Source:HGNC Symbol	chr14:7494	NM_00643	.	NR_03985	.	NP_00642	XP_016876	protein_co	ENSG0000	100616211	14537
NPCDR1	0	0	0	0	0	0	nasopharyngeal carcinoma, down-regulated 1 [Source:HGNC Sym	chr3:59735	.	.	.	.	.	.	protein_co	ENSG0000	.	13392
NPDC1	62.2654	61.3254	60.5613	57.6169	44.0072	33.078	neural proliferation, differentiation and control 1 [Source:HGNC S	chr9:13993	NM_01539	.	.	.	NP_05620	.	protein_co	ENSG0000	56654	7899
NPEPL1	6.8007	6.452	8.43366	7.28843	6.80136	8.1121	aminopeptidase-like 1 [Source:HGNC Symbol;Acc:HGNC:16244]	chr20:5726	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	79716	16244
NPEPPS	52.6205	53.6102	61.3266	49.0876	52.5738	50.7828	aminopeptidase puromycin sensitive [Source:HGNC Symbol;Acc:H	chr17:4560	NM_00631	XM_01152	.	.	NP_00630	XP_011523	protein_co	ENSG0000	9520	7900
NPFF	0.785419	1.09142	0.958228	1.14662	2.01144	1.20158	neuropeptide FF-amide peptide precursor [Source:HGNC Symbol;	chr12:5390	NM_00371	.	.	.	NP_00370	.	protein_co	ENSG0000	8620	7901
NPFFR1	0.027622	0	0.007949	0.010268	0.020714	0.037462	neuropeptide FF receptor 1 [Source:HGNC Symbol;Acc:HGNC:174	chr10:7200	NM_02214	.	.	.	NP_07142	.	protein_co	ENSG0000	64106	17425
NPFFR2	0	0	0	0	0	0	neuropeptide FF receptor 2 [Source:HGNC Symbol;Acc:HGNC:452	chr4:72897	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	10886	4525
NPHP1	1.76911	3.35188	2.9511	4.60465	4.13233	3.31896	nephrocystin 1 [Source:HGNC Symbol;Acc:HGNC:7905]	chr2:11087	NM_00027	XM_01151	.	.	NP_00026	XP_005263	protein_co	ENSG0000	4867	7905
NPHP3	2.20676	1.96757	2.41661	1.09494	1.79263	2.2424	nephrocystin 3 [Source:HGNC Symbol;Acc:HGNC:7907]	chr3:13240	NM_15324	.	.	.	NP_69497	.	protein_co	ENSG0000	27031	7907
NPHP3-ACAD11	0.914753	0.414608	0.310658	0.529402	7.23E-07	0.5584	NPHP3-ACAD11 readthrough (NMD candidate) [Source:HGNC Syr	chr3:13240	.	.	.	.	.	.	protein_co	ENSG0000	.	48351
NPHP4	3.80797	3.90349	4.10945	3.62649	3.1596	2.72943	nephrocystin 4 [Source:HGNC Symbol;Acc:HGNC:19104]	chr1:59228	NM_00129	XM_01700	.	.	NP_00127	XP_006710	protein_co	ENSG0000	261734	19104
NPHS1	0.263656	0.092176	0.340342	0.177512	0.021606	0.244703	NPHS1, nephrin [Source:HGNC Symbol;Acc:HGNC:7908]	chr19:3631	NM_00464	.	.	.	NP_00463	.	protein_co	ENSG0000	4868	7908
NPHS2	0	0	0	0	0	0	NPHS2, podocin [Source:HGNC Symbol;Acc:HGNC:13394]	chr1:17933	NM_00129	.	.	.	NP_00128	.	protein_co	ENSG0000	7827	13394
NPIPA1	2.28316	2.16916	0.886173	1.06198	1.06704	1.10065	nuclear pore complex interacting protein family member A1 [Sou	chr16:1503	NM_00698	XM_01699	.	.	NP_00891	XP_011521	protein_co	ENSG0000	107984071	7909
NPIPA2	0	0	0.05693	0.145291	0	0.0665	nuclear pore complex interacting protein family member A2 [Sou	chr16:1484	NM_00127	XM_01152	.	.	NP_00126	XP_005255	protein_co	ENSG0000	642799	41979
NPIPA3	0	0	0	0	0	0	nuclear pore complex interacting protein family member A3 [Sou	chr16:1480	NM_00127	XM_01152	.	.	NP_00126	XP_005255	protein_co	ENSG0000	642778	41978
NPIPA5	1.14106	0.854512	1.66205	1.55127	0.711466	1.4245	nuclear pore complex interacting protein family member A5 [Sou	chr16:1545	NM_00127	XM_01152	.	.	NP_00126	XP_005255	protein_co	ENSG0000	101059953	41980
NPIPA7	0	0	0	0	0	0	nuclear pore complex interacting protein family member A7 [Sou	chr16:1647	NM_00128	XM_01702	.	.	NP_00126	XP_011520	protein_co	ENSG0000	101059953	41982
NPIPA8	3.28964	4.79968	4.2472	3.80691	4.17529	3.52455	nuclear pore complex interacting protein family member A8 [Sou	chr16:1841	NM_00128	.	.	.	NP_00126	XP_011520	protein_co	ENSG0000	101059953	41983
NPIPB11	0.166288	0.168105	0.184073	0.129952	0.13361	0.101221	nuclear pore complex interacting protein family member B11 [So	chr16:2939	.	XM_01154	.	.	NP_00129	.	protein_co	ENSG0000	728888	37453
NPIPB15	1.20087	0.859832	1.04516	0.808677	0.764798	0.540163	nuclear pore complex interacting protein family member B15 [So	chr16:7441	NM_00130	XM_01152	.	.	NP_00129	XP_011521	protein_co	ENSG0000	440348	34409
NPIPB3	0.0653	0	0	0.073104	0	0	nuclear pore complex interacting protein family member B3 [Sou	chr16:2141	.	.	.	.	.	.	protein_co	ENSG0000	.	28989
NPIPB4	0.588749	0.423269	0.744861	0.382542	0.34335	0.350461	nuclear pore complex interacting protein family member B4 [Sou	chr16:2184	NM_13046	XM_01154	.	.	NP_56973	.	protein_co	ENSG0000	23117	41985
NPIPB5	0.545304	0.430296	0.449212	0.544159	0.454761	0.354288	nuclear pore complex interacting protein family member B5 [Sou	chr16:2252	NM_00113	XM_01702	.	.	NP_00112	XP_016878	protein_co	ENSG0000	100132247	37233
NPIPB6	0.299913	0.172339	0.395763	0.545969	0.439246	0.401934	nuclear pore complex interacting protein family member B6 [Sou	chr16:2835	NM_00128	XM_01154	.	.	NP_00126	XP_005255	protein_co	ENSG0000	728741	37454
NPIPB7	0.16893	0	0	0	0.063256	0.115743	nuclear pore complex interacting protein family member B7 [Sou	chr16:2846	.	.	.	.	.	XP_016878	protein_co	ENSG0000	100507607	33832
NPIPB8	0	0	0.066868	0	0	0.038473	nuclear pore complex interacting protein family member B8 [Sou	chr16:2864	.	XM_01154	.	.	NP_00129	XP_006721	protein_co	ENSG0000	728734	37490
NPIPB9	0.356421	0.225337	0.246861	0.356045	0.19822	0.143045	nuclear pore complex interacting protein family member B9 [Sou	chr16:2876	NM_00128	XM_01154	.	.	NP_00127	XP_003118	protein_co	ENSG0000	100507607	41987
NPL	0.056768	0.103006	0.078913	0	0	0	N-acetylneuraminate pyruvate lyase [Source:HGNC Symbol;Acc:H	chr1:18275	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	80896	16781
NPLOC4	56.5211	57.6955	55.7744	69.147	64.1257	56.3731	NPL4 homolog, ubiquitin recognition factor [Source:HGNC Symbo	chr17:7952	NM_01792	XM_01152	.	.	NP_06039	XP_011523	protein_co	ENSG0000	55666	18261
NPM1	1046.35	979.134	897.994	1159.85	1104.56	1055.52	nucleophosmin [Source:HGNC Symbol;Acc:HGNC:7910]	chr5:17081	NM_00103	XM_01153	.	.	NP_00103	XP_005265	protein_co	ENSG0000	4869	7910

NPM2	3.12003	2.23405	3.7892	3.97492	2.34717	2.68875	nucleophosmin/nucleoplasmin 2 [Source:HGNC Symbol;Acc:HGN	chr8:21881	NM_00128	XM_01701	.	.	NP_00127	XP_011542	protein_co	ENSG0000	10361	7930
NPM3	169.091	162.794	160.307	207.697	167.473	134.822	nucleophosmin/nucleoplasmin 3 [Source:HGNC Symbol;Acc:HGN	chr10:1035	NM_00699	.	.	.	NP_00892	.	protein_co	ENSG0000	10360	7931
NPNT	5.82356	6.07965	6.53145	7.15237	7.18097	6.51994	nephronectin [Source:HGNC Symbol;Acc:HGNC:27405]	chr4:10681	NM_00103	XM_01153	.	.	NP_00102	XP_005262	protein_co	ENSG0000	255743	27405
NPPA	0	0	0	0	0	0	natriuretic peptide A [Source:HGNC Symbol;Acc:HGNC:7939]	chr1:11905	NM_00617	.	.	.	NP_00616	.	protein_co	ENSG0000	4878	7939
NPPB	0	0	0	0	0	0	natriuretic peptide B [Source:HGNC Symbol;Acc:HGNC:7940]	chr1:11917	NM_00252	.	.	.	NP_00251	.	protein_co	ENSG0000	4879	7940
NPPC	0	0.238173	0.203495	0	0.366276	0.350526	natriuretic peptide C [Source:HGNC Symbol;Acc:HGNC:7941]	chr2:23278	NM_02440	XM_01151	.	.	NP_07772	XP_011509	protein_co	ENSG0000	4880	7941
NPR1	0.07296	0	0.047124	0.03926	0	0.019812	natriuretic peptide receptor 1 [Source:HGNC Symbol;Acc:HGNC:7	chr1:15365	NM_00090	XM_00671	.	.	NP_00089	XP_005245	protein_co	ENSG0000	4881	7943
NPR2	4.42165	4.06715	4.01959	3.49205	3.60744	2.79468	natriuretic peptide receptor 2 [Source:HGNC Symbol;Acc:HGNC:7	chr9:35792	NM_00399	XM_01151	.	.	NP_00398	XP_005251	protein_co	ENSG0000	4882	7944
NPR3	0.141589	0.052911	0.107885	0.387259	0.463791	0.592812	natriuretic peptide receptor 3 [Source:HGNC Symbol;Acc:HGNC:7	chr5:32709	NM_00090	XM_01151	.	.	NP_00089	XP_005248	protein_co	ENSG0000	4883	7945
NPRL2	21.2985	20.6752	20.2786	21.3423	20.4659	16.597	NPR2-like, GATOR1 complex subunit [Source:HGNC Symbol;Acc:H	chr3:50384	NM_00654	XM_01153	.	.	NP_00653	XP_005264	protein_co	ENSG0000	10641	24969
NPRL3	12.7984	12.3509	10.8716	12.7421	10.2808	8.6498	NPR3 like, GATOR1 complex subunit [Source:HGNC Symbol;Acc:H	chr16:1270	NM_00103	XM_01152	.	.	NP_00103	XP_011520	protein_co	ENSG0000	8131	14124
NPS	0	0	0	0	0	0	neuropeptide S [Source:HGNC Symbol;Acc:HGNC:33940]	chr10:1293	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	594857	33940
NPSR1	0	0	0.09575	0	0	0	neuropeptide S receptor 1 [Source:HGNC Symbol;Acc:HGNC:2363	chr7:34685	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	387129	23631
NPTN	37.341	41.2816	34.6198	41.081	38.135	45.174	neuroplastin [Source:HGNC Symbol;Acc:HGNC:17867]	chr15:7373	NM_00116	.	.	.	NP_00115	XP_011519	protein_co	ENSG0000	27020	17867
NPTX1	0.01674	0	0	0	0	0	neuronal pentraxin 1 [Source:HGNC Symbol;Acc:HGNC:7952]	chr17:7844	NM_00252	.	.	.	NP_00251	.	protein_co	ENSG0000	4884	7952
NPTX2	0	0	0	0	0	0	neuronal pentraxin 2 [Source:HGNC Symbol;Acc:HGNC:7953]	chr7:98246	NM_00252	.	.	.	NP_00251	.	protein_co	ENSG0000	4885	7953
NPTXR	7.18716	7.6852	9.25077	8.15602	7.44732	6.0881	neuronal pentraxin receptor [Source:HGNC Symbol;Acc:HGNC:79	chr22:3921	NM_01429	.	.	.	NP_05510	.	protein_co	ENSG0000	23467	7954
NPVF	0	0	0	0	0	0	neuropeptide VF precursor [Source:HGNC Symbol;Acc:HGNC:137	chr7:25264	NM_02215	.	.	.	NP_07143	.	protein_co	ENSG0000	64111	13782
NPW	83.1299	93.2079	90.8123	117.648	79.8529	85.9647	neuropeptide W [Source:HGNC Symbol;Acc:HGNC:30509]	chr16:2069	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	283869	30509
NPY	0	0	0	0	0	0	neuropeptide Y [Source:HGNC Symbol;Acc:HGNC:7955]	chr7:24323	NM_00090	.	.	.	NP_00089	.	protein_co	ENSG0000	4852	7955
NPY1R	0.063156	0.10395	0.078981	0.244518	0.242834	0.364164	neuropeptide Y receptor Y1 [Source:HGNC Symbol;Acc:HGNC:795	chr4:16424	NM_00090	XM_01153	.	.	NP_00090	XP_005263	protein_co	ENSG0000	4886	7956
NPY2R	0	0	0	0	0	0	neuropeptide Y receptor Y2 [Source:HGNC Symbol;Acc:HGNC:795	chr4:15612	NM_00091	XM_00526	.	.	NP_00090	XP_005263	protein_co	ENSG0000	4887	7957
NPY4R	0	0	0.077612	0	0	0	neuropeptide Y receptor Y4 [Source:HGNC Symbol;Acc:HGNC:932	chr10:4708	NM_00127	XM_01153	.	.	NP_00126	XP_011538	protein_co	ENSG0000	5540	9329
NPY5R	0	0	0	0	0	0	neuropeptide Y receptor Y5 [Source:HGNC Symbol;Acc:HGNC:795	chr4:16426	NM_00131	XM_01153	.	.	NP_00130	XP_005263	protein_co	ENSG0000	4889	7958
NQO1	383.167	372.533	355.861	530.103	392.082	616.966	NAD(P)H quinone dehydrogenase 1 [Source:HGNC Symbol;Acc:H	chr16:6974	NM_00090	.	.	.	NP_00089	.	protein_co	ENSG0000	1728	2874
NQO2	39.9962	38.5971	38.2842	45.2679	35.1637	40.697	NAD(P)H quinone dehydrogenase 2 [Source:HGNC Symbol;Acc:H	chr6:30002	NM_00090	XM_01151	.	.	NP_00089	XP_005249	protein_co	ENSG0000	4835	7856
NR0B1	0	0	0	0	0	0	nuclear receptor subfamily 0 group B member 1 [Source:HGNC Sy	chrX:30322	NM_00047	.	.	.	NP_00046	.	protein_co	ENSG0000	190	7960
NR0B2	0	0	0	0	0.092502	0	nuclear receptor subfamily 0 group B member 2 [Source:HGNC Sy	chr1:27237	NM_02196	.	.	.	NP_06880	.	protein_co	ENSG0000	8431	7961
NR1D1	10.8445	11.9403	18.285	8.94574	8.8236	14.5653	nuclear receptor subfamily 1 group D member 1 [Source:HGNC S	chr17:3821	NM_02172	.	.	.	NP_06837	.	protein_co	ENSG0000	9572	7962
NR1D2	15.6044	15.9423	17.5075	10.5326	13.7608	23.0001	nuclear receptor subfamily 1 group D member 2 [Source:HGNC S	chr3:23933	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	9975	7963
NR1H2	18.8552	20.4791	16.0959	20.7736	18.1557	17.4432	nuclear receptor subfamily 1 group H member 2 [Source:HGNC S	chr19:5087	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	7376	7965
NR1H3	9.60784	10.8305	10.0476	12.1412	9.404	8.35105	nuclear receptor subfamily 1 group H member 3 [Source:HGNC S	chr11:4726	NM_00113	XM_01151	.	.	NP_00112	XP_005252	protein_co	ENSG0000	10062	7966
NR1H4	0.082266	0.026657	0	0	0	0	nuclear receptor subfamily 1 group H member 4 [Source:HGNC S	chr12:1008	NM_00120	XM_01153	.	.	NP_00119	XP_011537	protein_co	ENSG0000	9971	7967
NR1I2	0.032441	0	0.021982	0.055206	0	0.027035	nuclear receptor subfamily 1 group I member 2 [Source:HGNC Sy	chr3:11949	NM_00388	.	.	.	NP_00388	.	protein_co	ENSG0000	8856	7968
NR1I3	0	0.060272	0	0.202974	0	0.108809	nuclear receptor subfamily 1 group I member 3 [Source:HGNC Sy	chr1:16119	NM_00107	XM_01151	.	.	NP_00107	XP_005245	protein_co	ENSG0000	9970	7969
NR2C1	10.4036	8.19496	11.5618	8.34883	9.21	9.07434	nuclear receptor subfamily 2 group C member 1 [Source:HGNC Sy	chr12:9541	NM_00103	XM_01153	.	.	NP_00102	XP_005269	protein_co	ENSG0000	7181	7971
NR2C2	9.50363	10.1093	9.91305	7.25988	8.24649	9.9209	nuclear receptor subfamily 2 group C member 2 [Source:HGNC Sy	chr3:14989	NM_00129	XM_01700	.	.	NP_00127	XP_011532	protein_co	ENSG0000	7182	7972
NR2C2AP	44.224	49.163	30.9016	51.3502	41.0966	31.9511	nuclear receptor 2C2 associated protein [Source:HGNC Symbol;A	chr19:1925	NM_00130	XM_01152	.	.	NP_00128	XP_011525	protein_co	ENSG0000	126382	30763
NR2E1	0	0	0	0	0	0	nuclear receptor subfamily 2 group E member 1 [Source:HGNC Sy	chr6:10848	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	7101	7973
NR2E3	0	0	0.104248	0.084731	0.049357	0.046037	nuclear receptor subfamily 2 group E member 3 [Source:HGNC Sy	chr15:7208	NM_01424	XM_01152	.	.	NP_05506	XP_011519	protein_co	ENSG0000	10002	7974
NR2F1	29.0068	28.5025	37.4163	45.0356	41.2458	59.5856	nuclear receptor subfamily 2 group F member 1 [Source:HGNC Sy	chr5:92919	NM_00565	.	.	.	NP_00564	.	protein_co	ENSG0000	7025	7975
NR2F2	32.3711	30.8602	36.3125	36.9063	35.8276	26.4239	nuclear receptor subfamily 2 group F member 2 [Source:HGNC Sy	chr15:9686	NM_00114	.	NR_03171	.	NP_00113	.	protein_co	ENSG0000	100302258	7976
NR2F6	68.4687	65.1718	61.0843	87.4469	67.4546	76.2024	nuclear receptor subfamily 2 group F member 6 [Source:HGNC Sy	chr19:1734	NM_00523	.	.	.	NP_00522	.	protein_co	ENSG0000	2063	7977
NR3C1	4.75814	5.01336	4.03981	2.43168	2.7584	3.39207	nuclear receptor subfamily 3 group C member 1 [Source:HGNC Sy	chr5:14265	NM_00017	XM_01153	.	.	NP_00016	XP_005268	protein_co	ENSG0000	2908	7978
NR3C2	0.402547	0.471549	0.539856	0.242877	0.186682	0.480558	nuclear receptor subfamily 3 group C member 2 [Source:HGNC Sy	chr4:14899	NM_00090	XM_01700	.	.	NP_00089	XP_011530	protein_co	ENSG0000	4306	7979
NR4A1	8.66047	10.2635	6.44478	6.79631	6.96129	6.25136	nuclear receptor subfamily 4 group A member 1 [Source:HGNC Sy	chr12:5241	NM_00120	XM_01701	.	.	NP_00118	XP_005268	protein_co	ENSG0000	3164	7980
NR4A2	5.53651	6.11252	6.79075	6.26754	5.63735	4.94476	nuclear receptor subfamily 4 group A member 2 [Source:HGNC Sy	chr2:15718	NM_00618	XM_01151	.	.	NP_00617	XP_005246	protein_co	ENSG0000	4929	7981
NR4A3	0.397142	0.250489	0.309656	0.152607	0.063398	0.246926	nuclear receptor subfamily 4 group A member 3 [Source:HGNC Sy	chr9:10258	NM_00698	XM_01151	.	.	NP_00891	XP_011517	protein_co	ENSG0000	8013	7982
NR5A1	0.117648	0.087082	0.075582	0.031581	0	0.161552	nuclear receptor subfamily 5 group A member 1 [Source:HGNC Sy	chr9:12724	NM_00495	XM_01151	.	.	NP_00495	XP_005251	protein_co	ENSG0000	2516	7983
NR5A2	0.458295	0.333207	0.577157	0.385547	0.662814	0.577698	nuclear receptor subfamily 5 group A member 2 [Source:HGNC Sy	chr1:19999	NM_00127	XM_01700	.	.	NP_00126	XP_005245	protein_co	ENSG0000	2494	7984
NR6A1	3.98871	4.14759	4.79907	3.33724	3.58311	3.42295	nuclear receptor subfamily 6 group A member 1 [Source:HGNC Sy	chr9:12727	NM_00127	XM_00525	.	.	NP_00126	XP_005251	protein_co	ENSG0000	2649	7985
NRAP	0	0	0	0.046259	0.011758	0.021985	nebulin related anchoring protein [Source:HGNC Symbol;Acc:HGN	chr10:1153	NM_00126	XM_01153	.	.	NP_00124	XP_005269	protein_co	ENSG0000	4892	7988
NRARP	9.92973	11.863	13.2693	11.5124	9.344	10.5437	NOTCH-regulated ankyrin repeat protein [Source:HGNC Symbol;A	chr9:14019	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	441478	33843
NRAS	29.1532	31.6367	26.0452	33.2846	34.3492	34.3139	neuroblastoma RAS viral oncogene homolog [Source:HGNC Symb	chr1:11524	NM_00252	.	.	.	NP_00251	.	protein_co	ENSG0000	4893	7989
NRBF2	14.839	15.5855	13.9273	17.1078	14.2295	15.0202	nuclear receptor binding factor 2 [Source:HGNC Symbol;Acc:HGN	chr10:6489	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	29982	19692
NRBP1	56.2672	54.04	43.7475	63.0973	54.0324	53.8646	nuclear receptor binding protein 1 [Source:HGNC Symbol;Acc:HG	chr2:27650	NM_00132	XM_00526	.	.	NP_00130	XP_005264	protein_co	ENSG0000	29959	7993
NRBP2	6.85085	7.61932	15.1639	4.69843	4.89858	6.81279	nuclear receptor binding protein 2 [Source:HGNC Symbol;Acc:HG	chr8:14491	NM_17856	XM_01151	NR_10690	.	NP_84865	.	protein_co	ENSG0000	102466748	19339
NRCAM	0	0	0.020462	0.018345	0	0.023293	neuronal cell adhesion molecule [Source:HGNC Symbol;Acc:HGN	chr7:10778	NM_00103	XM_01701	.	.	NP_00103	XP_005250	protein_co	ENSG0000	4897	7994
NRDC	47.8611	44.3807	49.9194	48.4852	51.9483	52.9046	nardilysin convertase [Source:HGNC Symbol;Acc:HGNC:7995]	chr1:52254	NM_00110	XM_01154	NR_03158	.	NP_00109	XP_00527	protein_co	ENSG0000	100313892	7995

NRDE2	2.32976	2.72413	1.89162	2.20093	2.21722	2.05404	NRDE-2, necessary for RNA interference, domain containing [Sou	chr14:9072	NM_01797	XM_01153	.	.	NP_06044(	XP_011535	protein_co	ENSG0000(	55051	20186
NREP	6.58301	6.16184	8.23815	3.12093	4.30454	4.92601	neuronal regeneration related protein [Source:HGNC Symbol;Acc	chr5:11100	NM_00114	XM_00671	.	.	NP_00113	XP_006714	protein_co	ENSG0000(	9315	16834
NRF1	9.33757	9.92293	7.7625	13.0332	11.9959	10.009	nuclear respiratory factor 1 [Source:HGNC Symbol;Acc:HGNC:799	chr7:12925	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000(	4899	7996
NRG1	0.274413	0.316033	0.546513	0.110739	0.219725	0.068466	neuregulin 1 [Source:HGNC Symbol;Acc:HGNC:7997]	chr8:31496	NM_00115	XM_01154	.	.	NP_00115	XP_011542	protein_co	ENSG0000(	3084	7997
NRG2	0.633225	0.716631	0.691137	0.747542	0.591912	0.554651	neuregulin 2 [Source:HGNC Symbol;Acc:HGNC:7998]	chr5:13922	NM_00118	XM_01153	.	.	NP_00117	XP_006714	protein_co	ENSG0000(	9542	7998
NRG3	0	0	0	0	0	0	neuregulin 3 [Source:HGNC Symbol;Acc:HGNC:7999]	chr10:8363	NM_00101	XM_01153	.	.	NP_00101(	XP_005269	protein_co	ENSG0000(	10718	7999
NRG4	0.52724	0.56392	0.32796	0.343378	0.333973	0.666554	neuregulin 4 [Source:HGNC Symbol;Acc:HGNC:29862]	chr15:7623	NM_13857	.	.	.	NP_61264(	XP_016877	protein_co	ENSG0000(	145957	29862
NRGN	19.8182	19.3737	22.7779	24.4625	17.6762	18.6562	neurogranin [Source:HGNC Symbol;Acc:HGNC:8000]	chr11:1246	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000(	4900	8000
NRIP1	4.23944	4.28748	7.53078	3.39537	4.45171	4.16147	nuclear receptor interacting protein 1 [Source:HGNC Symbol;Acc:	chr21:1633	NM_00348	XM_01702	.	.	NP_00348(	XP_005261	protein_co	ENSG0000(	8204	8001
NRIP2	0	0	0	0	0	0	nuclear receptor interacting protein 2 [Source:HGNC Symbol;Acc:	chr12:2934	NM_03147	XM_01152	.	.	NP_11366	XP_005253	protein_co	ENSG0000(	83714	23078
NRIP3	0	0	0.035618	0.02295	0	0	nuclear receptor interacting protein 3 [Source:HGNC Symbol;Acc:	chr11:9002	NM_02064	XM_01152	.	.	NP_06569	XP_011518	protein_co	ENSG0000(	56675	1167
NRK	0	0	0	0	0.009291	0	Nik related kinase [Source:HGNC Symbol;Acc:HGNC:25391]	chrX:10506	NM_19846	XM_01153	.	.	NP_94086	XP_006724	protein_co	ENSG0000(	203447	25391
NRL	0.348065	0.448831	0.403174	0.81597	0.546387	0.313257	neural retina leucine zipper [Source:HGNC Symbol;Acc:HGNC:800	chr14:2454	NM_00617	XM_01153	.	.	NP_00616	XP_005267	protein_co	ENSG0000(	4901	8002
NRM	11.3374	11.4783	11.322	15.7937	11.0217	10.7295	nurim (nuclear envelope membrane protein) [Source:HGNC Symb	chr6:30655	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000(	11270	8003
NRN1	0	0.059009	0	0	0.119726	0.116912	neuritin 1 [Source:HGNC Symbol;Acc:HGNC:17972]	chr6:59982	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000(	51299	17972
NRN1L	0.370748	0.181797	1.56957	1.79371	0.867854	0.822965	neuritin 1 like [Source:HGNC Symbol;Acc:HGNC:29811]	chr16:6791	NM_19844	.	.	.	NP_94084	.	protein_co	ENSG0000(	123904	29811
NRP1	1.47774	1.56962	1.70187	0.824887	1.03715	1.15024	neuropilin 1 [Source:HGNC Symbol;Acc:HGNC:8004]	chr10:3346	NM_00102	XM_01701	.	.	NP_00101	XP_006717	protein_co	ENSG0000(	8829	8004
NRP2	0.364278	0.341844	0.574838	0.552036	0.528931	0.52752	neuropilin 2 [Source:HGNC Symbol;Acc:HGNC:8005]	chr2:20654	NM_00387	XM_01700	.	.	NP_00386	XP_005246	protein_co	ENSG0000(	8828	8005
NRROS	0	0.033716	0	0	0	0	negative regulator of reactive oxygen species [Source:HGNC Sym	chr3:19636	NM_19856	.	.	.	NP_94096	.	protein_co	ENSG0000(	375387	24613
NRSN1	0	0	0	0	0	0	neurensin 1 [Source:HGNC Symbol;Acc:HGNC:17881]	chr6:24126	NM_08072	.	.	.	NP_54245	.	protein_co	ENSG0000(	140767	17881
NRSN2	0.546339	0.486755	0.50994	0.515671	0.346278	1.06965	neurensin 2 [Source:HGNC Symbol;Acc:HGNC:16229]	chr20:3276	NM_00132	XM_01702	.	.	NP_00131	XP_005260	protein_co	ENSG0000(	80023	16229
NRTN	11.8265	12.1734	13.1702	11.1435	8.38241	8.56535	neurturin [Source:HGNC Symbol;Acc:HGNC:8007]	chr19:5823	NM_00455	XM_01152	.	.	NP_00454	XP_011526	protein_co	ENSG0000(	4902	8007
NRXN1	0	0	0.021366	0	0	0	neurexin 1 [Source:HGNC Symbol;Acc:HGNC:8008]	chr2:50145	NM_00113	XM_01700	.	.	NP_00112	XP_005264	protein_co	ENSG0000(	9378	8008
NRXN2	0.26154	0.237793	0.174617	0.092096	0.132708	0.168102	neurexin 2 [Source:HGNC Symbol;Acc:HGNC:8009]	chr11:6437	NM_01508	XM_01154	.	.	NP_05589	XP_005274	protein_co	ENSG0000(	9379	8009
NRXN3	0	0	0	0	0	0	neurexin 3 [Source:HGNC Symbol;Acc:HGNC:8010]	chr14:7863	NM_00110	XM_01153	.	.	NP_00109	XP_005268	protein_co	ENSG0000(	9369	8010
NSA2	67.6606	63.4752	65.4872	75.5678	72.0146	69.7001	NSA2, ribosome biogenesis homolog [Source:HGNC Symbol;Acc:H	chr5:73923	NM_00127	.	.	.	NP_00125	XP_011541	protein_co	ENSG0000(	10412	30728
NSD1	13.5133	13.8626	13.5737	11.2601	12.6053	12.2738	nuclear receptor binding SET domain protein 1 [Source:HGNC Syr	chr5:17656	NM_02245	XM_01153	.	.	NP_07190(	XP_005266	protein_co	ENSG0000(	64324	14234
NSDHL	18.801	18.5553	16.0153	22.6879	19.56	13.5723	NAD(P) dependent steroid dehydrogenase-like [Source:HGNC Syr	chrX:15199	NM_00112	XM_01153	.	.	NP_00112	XP_011529	protein_co	ENSG0000(	50814	13398
NSF	29.7273	27.8963	29.74	25.1784	29.1471	26.9945	N-ethylmaleimide sensitive factor, vesicle fusing ATPase [Source:	chr17:4466	NM_00617	XM_01152	.	.	NP_00616	.	protein_co	ENSG0000(	4905	8016
NSFL1C	29.0015	30.8279	22.8497	37.4127	26.8096	19.2907	NSFL1 cofactor [Source:HGNC Symbol;Acc:HGNC:15912]	chr20:1422	NM_00120	XM_01152	.	.	NP_00119	XP_006723	protein_co	ENSG0000(	55968	15912
NSG1	0	0	0.05335	0	0	0	Neuron-specific protein family member 1 [Source:UniProtKB/Sw	chr4:43498	NM_00104	XM_01700	.	.	NP_00103	XP_016863	protein_co	ENSG0000(	27065	.
NSL1	23.3146	21.6376	22.6318	28.94	29.704	23.9388	NSL1, MIS12 kinetochore complex component [Source:HGNC Syn	chr1:21289	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000(	25936	24548
NSMAF	11.9644	10.735	8.83033	10.7839	11.5677	8.87208	neutral sphingomyelinase activation associated factor [Source:H	chr8:59496	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000(	8439	8017
NSMCE1	55.9282	51.5044	48.281	65.1131	50.0471	51.7596	NSE1 homolog, SMC5-SMC6 complex component [Source:HGNC	chr16:2723	NM_14508	XM_01702	.	.	NP_65954	XP_006721	protein_co	ENSG0000(	197370	29897
NSMCE2	16.1448	14.4543	15.1094	23.8021	16.7931	18.4738	NSE2/MMS21 homolog, SMC5-SMC6 complex SUMO ligase [Sour	chr8:12610	NM_17368	XM_01151	.	.	NP_77595	XP_005250	protein_co	ENSG0000(	286053	26513
NSMCE3	9.27474	10.547	7.58941	10.9321	8.68754	8.28997	NSE3 homolog, SMC5-SMC6 complex component [Source:HGNC	chr15:2941	NM_13870	.	.	.	NP_61964	.	protein_co	ENSG0000(	56160	7677
NSMCE4A	36.4894	28.4365	38.26	35.9325	31.4748	36.5932	NSE4 homolog A, SMC5-SMC6 complex component [Source:HGN	chr10:1237	NM_00116	XM_01153	.	.	NP_00116	XP_005269	protein_co	ENSG0000(	54780	25935
NSMF	41.8945	43.5405	42.6243	47.8546	38.3055	35.8781	NMDA receptor synaptonuclear signaling and neuronal migration	chr9:14034	NM_00113	XM_01151	NR_10696	.	NP_00112	XP_005266	protein_co	ENSG0000(	102466223	29843
NSRP1	14.5151	14.3081	12.4956	12.5611	14.036	12.7244	nuclear speckle splicing regulatory protein 1 [Source:HGNC Symb	chr17:2844	NM_00126	XM_01702	NR_02994	.	NP_00124	XP_011523	protein_co	ENSG0000(	494335	25305
NSUN2	40.5299	42.7744	42.893	42.8618	45.2278	38.8181	NOP2/Sun RNA methyltransferase family member 2 [Source:HGN	chr5:65993	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000(	54888	25994
NSUN3	4.58958	4.61696	3.90837	5.38248	5.34462	4.84293	NOP2/Sun RNA methyltransferase family member 3 [Source:HGN	chr3:93776	NM_02207	.	.	.	NP_07135	.	protein_co	ENSG0000(	63899	26208
NSUN4	14.8203	14.2077	12.8502	12.3979	10.5675	10.6265	NOP2/Sun RNA methyltransferase family member 4 [Source:HGN	chr1:46805	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000(	387338	31802
NSUN5	48.7772	50.5101	40.5976	61.147	49.8619	35.8835	NOP2/Sun RNA methyltransferase family member 5 [Source:HGN	chr7:72716	NM_00116	XM_00527	.	.	NP_00116	XP_005277	protein_co	ENSG0000(	55695	16385
NSUN6	5.42072	4.92003	6.20903	5.91727	6.9859	6.94383	NOP2/Sun RNA methyltransferase family member 6 [Source:HGN	chr10:1883	NM_18254	XM_01701	.	.	NP_87234	XP_011517	protein_co	ENSG0000(	221078	23529
NSUN7	0	0	0	0	0	0	NOP2/Sun RNA methyltransferase family member 7 [Source:HGN	chr4:40751	NM_02467	.	.	.	NP_07895	XP_016864	protein_co	ENSG0000(	79730	25857
NT5C	66.0386	67.7653	50.2128	69.1723	51.5204	56.3827	5', 3'-nucleotidase, cytosolic [Source:HGNC Symbol;Acc:HGNC:17	chr17:7310	NM_00125	XM_00672	.	.	NP_00123	XP_006721	protein_co	ENSG0000(	30833	17144
NT5C1A	0	0	0	0	0	0	5'-nucleotidase, cytosolic IA [Source:HGNC Symbol;Acc:HGNC:17	chr1:40124	NM_03252	.	.	.	NP_11591	.	protein_co	ENSG0000(	84618	17819
NT5C1B	0	0	0	0	0	0	5'-nucleotidase, cytosolic IB [Source:HGNC Symbol;Acc:HGNC:17	chr2:18735	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000(	93034	17818
NT5C1B-RDH14	2.09E-08	1.19E-08	1.24E-08	2.68E-08	3.73E-09	2.29E-09	NT5C1B-RDH14 readthrough [Source:HGNC Symbol;Acc:HGNC:38	chr2:18735	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000(	100526794	38831
NT5C2	25.5488	24.8512	25.8325	24.3616	25.4565	27.8897	5'-nucleotidase, cytosolic II [Source:HGNC Symbol;Acc:HGNC:802	chr10:1046	NM_00113	XM_01701	.	.	NP_00112	XP_005269	protein_co	ENSG0000(	22978	8022
NT5C3A	14.4645	14.2815	13.515	13.0693	17.8502	18.3284	5'-nucleotidase, cytosolic IIIA [Source:HGNC Symbol;Acc:HGNC:1	chr7:33053	NM_00100	XM_01151	.	.	NP_00100	XP_011513	protein_co	ENSG0000(	51251	17820
NT5C3B	74.4071	77.1348	71.8615	87.661	64.6948	66.5208	5'-nucleotidase, cytosolic IIIB [Source:HGNC Symbol;Acc:HGNC:28	chr17:3998	NM_05293	XM_01152	NR_03346	.	NP_44316	XP_006721	protein_co	ENSG0000(	115024	28300
NT5DC1	7.09499	7.58537	8.06776	7.66624	7.6878	9.2153	5'-nucleotidase domain containing 1 [Source:HGNC Symbol;Acc:H	chr6:11642	NM_15272	.	.	.	NP_68994	.	protein_co	ENSG0000(	221294	21556
NT5DC2	58.5421	56.8934	68.4168	53.0122	44.0885	42.5077	5'-nucleotidase domain containing 2 [Source:HGNC Symbol;Acc:H	chr3:52529	NM_00113	XM_00671	.	.	NP_00112	XP_005265	protein_co	ENSG0000(	64943	25717
NT5DC3	5.76842	6.90217	6.94193	6.79588	7.81119	7.7044	5'-nucleotidase domain containing 3 [Source:HGNC Symbol;Acc:H	chr12:1041	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000(	51559	30826
NT5DC4	0.076018	0.038887	0.164915	0	0.129971	0	5'-nucleotidase domain containing 4 [Source:HGNC Symbol;Acc:H	chr2:11347	.	XM_01151	.	.	.	XP_01151(	protein_co	ENSG0000(	.	27678
NT5E	31.4329	30.2795	30.2652	24.6641	30.7644	37.5647	5'-nucleotidase ecto [Source:HGNC Symbol;Acc:HGNC:8021]	chr6:86159	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000(	4907	8021
NT5M	3.32609	2.43069	4.52906	2.90997	2.04836	3.98617	5',3'-nucleotidase, mitochondrial [Source:HGNC Symbol;Acc:HGN	chr17:1720	NM_02020	XM_01152	.	.	NP_06458	XP_005256	protein_co	ENSG0000(	56953	15769
NTAN1	24.064	19.5071	22.2186	24.2626	22.5022	28.7705	N-terminal asparagine amidase [Source:HGNC Symbol;Acc:HGNC:	chr16:1506	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000(	123803	29909

NTF3	0.073762	0	0.109347	0.067649	0.08439	0	neurotrophin 3 [Source:HGNC Symbol;Acc:HGNC:8023]	chr12:5541	NM_0011(	XM_01152	.	.	NP_00109(	XP_011519	protein_co	ENSG0000(	4908	8023
NTF4	1.16679	1.49585	1.79396	2.13794	0.673348	0.759787	neurotrophin 4 [Source:HGNC Symbol;Acc:HGNC:8024]	chr19:4956	NM_00617	XM_01152	.	.	NP_00617(	XP_005259	protein_co	ENSG0000(	4909	8024
NTHL1	22.068	22.7596	21.9573	31.8459	26.0106	17.9776	nth like DNA glycosylase 1 [Source:HGNC Symbol;Acc:HGNC:8028	chr16:2089	NM_00252	XM_01152	.	.	NP_00130!	.	protein_co	ENSG0000(	4913	8028
NTM	0	0	0	0	0	0	neurotrimin [Source:HGNC Symbol;Acc:HGNC:17941]	chr11:1312	NM_00104	XM_00671	.	.	NP_00104	XP_005271	protein_co	ENSG0000(	50863	17941
NTMT1	55.2558	51.8801	52.9058	67.1305	47.4195	41.4293	N-terminal Xaa-Pro-Lys N-methyltransferase 1 [Source:HGNC Sym	chr9:13237	NM_00128	XM_00525	.	.	NP_00127	XP_005251	protein_co	ENSG0000(	28989	23373
NTN1	3.32163	3.50077	4.65173	3.84055	3.32278	4.18481	netrin 1 [Source:HGNC Symbol;Acc:HGNC:8029]	chr17:8924	NM_00482	XM_00672	.	.	NP_00481	XP_006721	protein_co	ENSG0000(	9423	8029
NTN3	0.069337	0	0	0.072519	0	0.161104	netrin 3 [Source:HGNC Symbol;Acc:HGNC:8030]	chr16:2521	NM_00618	.	.	.	NP_00617	.	protein_co	ENSG0000(	4917	8030
NTN4	0.821515	1.18952	1.37662	1.17904	1.15658	1.2005	netrin 4 [Source:HGNC Symbol;Acc:HGNC:13658]	chr12:9605	NM_02122	XM_01153	.	.	NP_00131(	.	protein_co	ENSG0000(	59277	13658
NTN5	0.897648	0.864679	1.08499	0.336963	0.227796	0.584351	netrin 5 [Source:HGNC Symbol;Acc:HGNC:25208]	chr19:4916	NM_14580	.	.	.	NP_66580(	.	protein_co	ENSG0000(	126147	25208
NTNG1	0	0	0	0	0	0	netrin G1 [Source:HGNC Symbol;Acc:HGNC:23319]	chr1:10768	NM_00111	XM_01154	.	.	NP_00110(	XP_006710	protein_co	ENSG0000(	22854	23319
NTNG2	0.415233	0.468135	0.933257	0.236364	0.297196	0.562668	netrin G2 [Source:HGNC Symbol;Acc:HGNC:14288]	chr9:13503	NM_03253	XM_01151	.	.	NP_11592!	XP_006717	protein_co	ENSG0000(	84628	14288
NTPCR	8.48925	9.13093	9.32606	10.5658	8.923	7.23935	nucleoside-triphosphatase, cancer-related [Source:HGNC Symbol	chr1:23308	NM_03232	.	.	.	NP_11570(	.	protein_co	ENSG0000(	84284	28204
NTRK1	0.45701	0.444725	0.830347	0.760821	0.540332	0.633171	neurotrophic receptor tyrosine kinase 1 [Source:HGNC Symbol;A(	chr1:15677	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000(	4914	8031
NTRK2	0.023983	0.020431	0.035978	0	0.022395	0.014336	neurotrophic receptor tyrosine kinase 2 [Source:HGNC Symbol;A(	chr9:87283	NM_00100	XM_01701	.	.	NP_00100	XP_005252	protein_co	ENSG0000(	4915	8032
NTRK3	0.018646	0	0	0.020551	0	0.019417	neurotrophic receptor tyrosine kinase 3 [Source:HGNC Symbol;A(	chr15:8840	NM_00100	XM_01702	.	.	NP_00100	XP_006720	protein_co	ENSG0000(	4916	8033
NTS	0.073326	0	0	0	0	0.210121	neurotensin [Source:HGNC Symbol;Acc:HGNC:8038]	chr12:8626	NM_00618	.	.	.	NP_00617	.	protein_co	ENSG0000(	4922	8038
NTSR1	111.146	117.413	109.508	69.8452	64.1895	103.88	neurotensin receptor 1 (high affinity) [Source:HGNC Symbol;Acc:I	chr20:6134	NM_00253	.	.	.	NP_00252	.	protein_co	ENSG0000(	4923	8039
NTSR2	0	0	0	0	0	0	neurotensin receptor 2 [Source:HGNC Symbol;Acc:HGNC:8040]	chr2:11798	NM_01234	XM_01700	.	.	NP_03647(	XP_016859	protein_co	ENSG0000(	23620	8040
NUAK1	3.8455	3.71709	4.50902	2.84864	2.9578	4.43724	NUAK family kinase 1 [Source:HGNC Symbol;Acc:HGNC:14311]	chr12:1064	NM_01484	.	.	.	NP_05565!	.	protein_co	ENSG0000(	9891	14311
NUAK2	4.26149	4.18661	2.92625	2.19711	1.76403	1.16873	NUAK family kinase 2 [Source:HGNC Symbol;Acc:HGNC:29558]	chr1:20527	NM_03095	XM_01151	.	.	NP_11221	.	protein_co	ENSG0000(	81788	29558
NUB1	18.6306	19.8082	20.6699	17.8921	16.0831	15.96	negative regulator of ubiquitin like proteins 1 [Source:HGNC Sym	chr7:15103	NM_00124	XM_01701	.	.	NP_00123(	XP_005250	protein_co	ENSG0000(	51667	17623
NUBP1	16.0584	14.9344	12.491	18.4775	14.1868	11.6813	nucleotide binding protein 1 [Source:HGNC Symbol;Acc:HGNC:80	chr16:1083	NM_00127	XM_00672	.	.	NP_00126!	.	protein_co	ENSG0000(	4682	8041
NUBP2	76.4501	83.5077	76.1655	104.688	83.343	62.419	nucleotide binding protein 2 [Source:HGNC Symbol;Acc:HGNC:80	chr16:1832	NM_00128	XM_00525	.	.	NP_00127	XP_005255	protein_co	ENSG0000(	10101	8042
NUBPL	4.1684	4.88558	4.51362	1.7947	1.42772	2.50093	nucleotide binding protein like [Source:HGNC Symbol;Acc:HGNC::	chr14:3203	NM_02515	XM_01153	.	.	NP_07942	XP_011535	protein_co	ENSG0000(	80224	20278
NUCB1	40.8934	39.7015	28.1259	29.4221	24.3624	26.2141	nucleobindin 1 [Source:HGNC Symbol;Acc:HGNC:8043]	chr19:4940	NM_00618	.	.	.	NP_00617!	XP_016882	protein_co	ENSG0000(	4924	8043
NUCB2	23.4011	20.7725	12.5276	17.7359	21.3826	26.2585	nucleobindin 2 [Source:HGNC Symbol;Acc:HGNC:8044]	chr11:1729	NM_00501	XM_01152	NR_13275	.	NP_00500	XP_016873	protein_co	ENSG0000(	105376575	8044
NUCKS1	70.6141	72.1639	66.9612	87.4978	100.134	110.464	nuclear casein kinase and cyclin dependent kinase substrate 1 [S(	chr1:20568	NM_02273	XM_00524	.	.	NP_07356	XP_005245	protein_co	ENSG0000(	64710	29923
NUDC	131.005	130.494	97.123	182.487	151.3	105.072	nuclear distribution C, dynein complex regulator [Source:HGNC S	chr1:27248	NM_00660	.	.	.	NP_00659	XP_011538	protein_co	ENSG0000(	10726	8045
NUDCD1	27.6543	24.9791	30.9979	29.5945	33.8385	29.8964	NudC domain containing 1 [Source:HGNC Symbol;Acc:HGNC:243(	chr8:11025	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000(	84955	24306
NUDCD2	18.9156	16.1699	17.4752	18.0833	12.2524	16.6399	NudC domain containing 2 [Source:HGNC Symbol;Acc:HGNC:305:	chr5:16286	NM_14526	.	.	.	NP_66030!	.	protein_co	ENSG0000(	134492	30535
NUDCD3	11.7932	11.7882	12.2618	11.0619	10.185	11.0561	NudC domain containing 3 [Source:HGNC Symbol;Acc:HGNC:222(	chr7:44418	NM_01533	XM_01151	.	.	NP_05614	XP_011513	protein_co	ENSG0000(	23386	22208
NUDT1	42.6562	36.8587	29.7301	50.2043	38.5367	29.1684	nudix hydrolase 1 [Source:HGNC Symbol;Acc:HGNC:8048]	chr7:22818	NM_00245	.	.	.	NP_00244	.	protein_co	ENSG0000(	4521	8048
NUDT10	0	0	0	0	0	0	nudix hydrolase 10 [Source:HGNC Symbol;Acc:HGNC:17621]	chrX:51075	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000(	170685	17621
NUDT11	0	0	0	0	0	0	nudix hydrolase 11 [Source:HGNC Symbol;Acc:HGNC:18011]	chrX:51232	NM_01815	.	.	.	NP_06062!	.	protein_co	ENSG0000(	55190	18011
NUDT12	11.1416	10.2784	11.0175	11.3355	12.3246	13.1113	nudix hydrolase 12 [Source:HGNC Symbol;Acc:HGNC:18826]	chr5:10288	NM_00130	XM_00527	.	.	NP_00128	XP_005272	protein_co	ENSG0000(	83594	18826
NUDT13	0.666163	0.779781	0.893979	0.484866	0.642788	0.412425	nudix hydrolase 13 [Source:HGNC Symbol;Acc:HGNC:18827]	chr10:7487	NM_00128	XM_00526	NR_10426	.	NP_00126!	XP_016871	protein_co	ENSG0000(	25961	18827
NUDT14	15.1736	13.2608	21.1838	16.0026	12.9815	13.1942	nudix hydrolase 14 [Source:HGNC Symbol;Acc:HGNC:20141]	chr14:1056	NM_17753	.	.	.	NP_80387	.	protein_co	ENSG0000(	256281	20141
NUDT15	28.3374	27.4107	28.1848	33.0219	34.9345	34.4844	nudix hydrolase 15 [Source:HGNC Symbol;Acc:HGNC:23063]	chr13:4861	NM_01828	.	.	.	NP_06075	.	protein_co	ENSG0000(	55270	23063
NUDT16	8.08658	8.90862	8.49684	7.67749	6.85489	6.64987	nudix hydrolase 16 [Source:HGNC Symbol;Acc:HGNC:26442]	chr3:13110	NM_00117	.	.	.	NP_00116!	.	protein_co	ENSG0000(	131870	26442
NUDT16L1	21.6575	23.3317	21.8355	29.413	22.165	19.5544	nudix hydrolase 16 like 1 [Source:HGNC Symbol;Acc:HGNC:28154	chr16:4743	NM_00119	XM_00525	.	.	NP_00118(	XP_005255	protein_co	ENSG0000(	84309	28154
NUDT17	0.819804	0.875716	1.17074	0.73258	0.715286	0.7728	nudix hydrolase 17 [Source:HGNC Symbol;Acc:HGNC:26618]	chr1:14557	NM_00101	XM_01150	.	.	NP_00101	.	protein_co	ENSG0000(	200035	26618
NUDT18	7.09956	6.11307	5.83262	6.62188	6.03296	5.16192	nudix hydrolase 18 [Source:HGNC Symbol;Acc:HGNC:26194]	chr8:21964	NM_02481	.	.	.	NP_07909	.	protein_co	ENSG0000(	79873	26194
NUDT19	14.3872	13.246	14.9512	17.7311	18.681	15.7301	nudix hydrolase 19 [Source:HGNC Symbol;Acc:HGNC:32036]	chr19:3318	NM_00110	.	.	.	NP_00109!	.	protein_co	ENSG0000(	390916	32036
NUDT2	42.4032	40.3927	39.0856	50.2529	35.5641	36.6587	nudix hydrolase 2 [Source:HGNC Symbol;Acc:HGNC:8049]	chr9:34329	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000(	318	8049
NUDT21	51.3474	53.2453	50.9031	54.9117	68.3019	67.4176	nudix hydrolase 21 [Source:HGNC Symbol;Acc:HGNC:13870]	chr16:5646	NM_00700	.	.	.	NP_00893	.	protein_co	ENSG0000(	11051	13870
NUDT22	31.9999	34.5203	39.1163	36.9387	29.8855	30.1438	nudix hydrolase 22 [Source:HGNC Symbol;Acc:HGNC:28189]	chr11:6399	NM_00112	XM_01154	.	.	NP_00112	.	protein_co	ENSG0000(	84304	28189
NUDT3	17.0412	16.8286	19.1696	15.1985	14.7299	16.2958	nudix hydrolase 3 [Source:HGNC Symbol;Acc:HGNC:8050]	chr6:34247	NM_00670	.	.	.	NP_00669	.	protein_co	ENSG0000(	11165	8050
NUDT4	18.7115	18.4511	17.271	29.1483	25.124	22.1004	nudix hydrolase 4 [Source:HGNC Symbol;Acc:HGNC:8051]	chr12:9377	NM_00130	XM_01153	.	.	NP_00128	XP_011536	protein_co	ENSG0000(	11163	8051
NUDT5	62.2347	58.8554	57.897	70.6329	59.9719	61.2017	nudix hydrolase 5 [Source:HGNC Symbol;Acc:HGNC:8052]	chr10:1217	NM_00132	XM_01151	.	.	NP_00130	.	protein_co	ENSG0000(	11164	8052
NUDT6	5.04617	5.84398	5.99735	6.00209	5.13602	7.14697	nudix hydrolase 6 [Source:HGNC Symbol;Acc:HGNC:8053]	chr4:12374	NM_00708	.	.	.	NP_00901	.	protein_co	ENSG0000(	11162	8053
NUDT7	5.51337	5.64663	5.31761	7.18036	6.43584	5.67116	nudix hydrolase 7 [Source:HGNC Symbol;Acc:HGNC:8054]	chr16:7775	NM_00110	XM_01152	.	.	NP_00109!	XP_011521	protein_co	ENSG0000(	283927	8054
NUDT8	10.051	10.2871	12.0563	7.97486	4.34069	5.5755	nudix hydrolase 8 [Source:HGNC Symbol;Acc:HGNC:8055]	chr11:6739	NM_00124	.	.	.	NP_00123(	.	protein_co	ENSG0000(	254552	8055
NUDT9	12.4123	13.5154	10.632	12.7325	12.9352	11.9664	nudix hydrolase 9 [Source:HGNC Symbol;Acc:HGNC:8056]	chr4:88343	NM_00124	XM_01153	.	.	NP_00123	XP_011530	protein_co	ENSG0000(	53343	8056
NUF2	16.4135	12.2294	12.7152	21.8302	31.1561	24.1648	NUF2, NDC80 kinetochore complex component [Source:HGNC Sy	chr1:16329	NM_03142	XM_01151	.	.	NP_11361	XP_011508	protein_co	ENSG0000(	83540	14621
NUFIP1	6.49705	7.96129	6.49944	7.45439	7.84081	5.95624	NUFIP1, FMR1 interacting protein 1 [Source:HGNC Symbol;Acc:H(	chr13:4551	NM_01234	.	.	.	NP_03647	.	protein_co	ENSG0000(	26747	8057
NUFIP2	20.5362	21.7135	22.042	19.9939	24.7436	22.0861	NUFIP2, FMR1 interacting protein 2 [Source:HGNC Symbol;Acc:H(	chr17:2758	NM_02077	.	.	.	NP_06582	.	protein_co	ENSG0000(	57532	17634
NUGGC	0	0	0	0.035878	0	0	nuclear GTPase, germinal center associated [Source:HGNC Symbo	chr8:27879	NM_00101	XM_01154	.	.	NP_00101(	XP_011542	protein_co	ENSG0000(	389643	33550
NUMA1	29.8677	32.32	28.2224	32.17	29.3332	30.3168	nuclear mitotic apparatus protein 1 [Source:HGNC Symbol;Acc:H(	chr11:7170	NM_00128	XM_01701	.	.	NP_00127	XP_006718	protein_co	ENSG0000(	4926	8059
NUMB	17.201	16.1404	18.4662	14.6926	16.1283	18.9748	NUMB, endocytic adaptor protein [Source:HGNC Symbol;Acc:HGI	chr14:7374	NM_00100	XM_01153	NR_13525	.	NP_00100!	XP_005268	protein_co	ENSG0000(	101928143	8060

NUMBL	12.1627	11.8161	10.262	12.6914	12.0966	10.8365	NUMB like, endocytic adaptor protein [Source:HGNC Symbol;Acc:	chr19:4117	NM_00128	XM_01152	.	.	NP_00127	XP_011525	protein_co	ENSG0000	9253	8061
NUP107	39.7874	37.6566	34.5377	43.6226	45.2642	35.233	nucleoporin 107 [Source:HGNC Symbol;Acc:HGNC:29914]	chr12:6908	NM_02040	XM_01153	.	.	NP_06513	XP_005269	protein_co	ENSG0000	57122	29914
NUP133	18.4633	17.3906	18.113	18.5798	22.4815	18.6085	nucleoporin 133 [Source:HGNC Symbol;Acc:HGNC:18016]	chr1:22957	NM_01823	.	.	.	NP_06070	.	protein_co	ENSG0000	55746	18016
NUP153	28.0485	31.1053	26.6655	29.2683	34.9496	29.1384	nucleoporin 153 [Source:HGNC Symbol;Acc:HGNC:8062]	chr6:17615	NM_00127	XM_01151	.	.	NP_00126	XP_005249	protein_co	ENSG0000	9972	8062
NUP155	21.7916	19.5602	20.247	23.3176	27.3043	26.2069	nucleoporin 155 [Source:HGNC Symbol;Acc:HGNC:8063]	chr5:37288	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	9631	8063
NUP160	24.619	24.5495	25.3807	23.4069	27.2596	26.1859	nucleoporin 160 [Source:HGNC Symbol;Acc:HGNC:18017]	chr11:4779	NM_00131	XM_00671	.	.	NP_00130	.	protein_co	ENSG0000	23279	18017
NUP188	36.4428	39.2286	36.0574	48.065	46.0749	34.9676	nucleoporin 188 [Source:HGNC Symbol;Acc:HGNC:17859]	chr9:13168	NM_01535	.	.	.	NP_05616	.	protein_co	ENSG0000	23511	17859
NUP205	24.9711	24.7729	22.6962	24.1588	28.563	24.0316	nucleoporin 205 [Source:HGNC Symbol;Acc:HGNC:18658]	chr7:13524	NM_00132	XM_00525	.	.	NP_00131	.	protein_co	ENSG0000	23165	18658
NUP210	29.8564	31.7845	38.2696	23.712	23.4014	26.5049	nucleoporin 210 [Source:HGNC Symbol;Acc:HGNC:30052]	chr3:13357	NM_02492	.	.	.	NP_07919	.	protein_co	ENSG0000	23225	30052
NUP210L	0	0.034981	0.058155	0	0.014195	0.033507	nucleoporin 210 like [Source:HGNC Symbol;Acc:HGNC:29915]	chr1:15396	NM_00115	XM_01700	.	.	NP_00115	XP_011508	protein_co	ENSG0000	91181	29915
NUP214	8.68412	9.29763	7.65176	8.60354	7.5638	6.00313	nucleoporin 214 [Source:HGNC Symbol;Acc:HGNC:8064]	chr9:13400	NM_00131	XM_01701	.	.	NP_00130	XP_005272	protein_co	ENSG0000	8021	8064
NUP35	16.3962	14.4128	14.8139	18.3143	21.0251	18.8606	nucleoporin 35 [Source:HGNC Symbol;Acc:HGNC:29797]	chr2:18398	NM_00128	XM_01151	.	.	NP_00127	XP_006712	protein_co	ENSG0000	129401	29797
NUP37	61.6709	53.6987	49.1941	70.7897	73.6421	50.2024	nucleoporin 37 [Source:HGNC Symbol;Acc:HGNC:29929]	chr12:1024	NM_02405	XM_00526	.	.	NP_07696	XP_005269	protein_co	ENSG0000	79023	29929
NUP43	21.082	20.5438	18.5754	19.9581	20.8273	19.7078	nucleoporin 43 [Source:HGNC Symbol;Acc:HGNC:21182]	chr6:15004	NM_19888	XM_00526	.	.	NP_94259	XP_005267	protein_co	ENSG0000	348995	21182
NUP50	36.5541	37.9467	31.2406	40.68	43.2449	35.1366	nucleoporin 50 [Source:HGNC Symbol;Acc:HGNC:8065]	chr22:4555	NM_00717	XM_01152	.	.	NP_00910	XP_005261	protein_co	ENSG0000	10762	8065
NUP54	27.4	25.4901	24.0274	25.8912	29.3492	32.1506	nucleoporin 54 [Source:HGNC Symbol;Acc:HGNC:17359]	chr4:77035	NM_00127	XM_01153	.	.	NP_00126	XP_006714	protein_co	ENSG0000	53371	17359
NUP58	33.9037	37.1246	31.5634	41.9364	46.7339	44.9844	nucleoporin 58 [Source:HGNC Symbol;Acc:HGNC:20261]	chr13:2587	NM_00100	XM_01153	.	.	NP_00100	XP_005266	protein_co	ENSG0000	9818	20261
NUP62	45.9218	50.9331	43.3349	55.4348	52.8091	39.2878	nucleoporin 62 [Source:HGNC Symbol;Acc:HGNC:8066]	chr19:5039	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	23636	8066
NUP62CL	6.45936	5.8839	6.02922	6.21184	4.96266	6.9561	nucleoporin 62 C-terminal like [Source:HGNC Symbol;Acc:HGNC:2	chrX:10636	NM_01768	.	.	.	NP_06015	.	protein_co	ENSG0000	54830	25960
NUP85	60.8951	60.5749	50.1608	73.4702	64.8817	46.5112	nucleoporin 85 [Source:HGNC Symbol;Acc:HGNC:8734]	chr17:7320	NM_00130	XM_01152	.	.	NP_00129	XP_006722	protein_co	ENSG0000	79902	8734
NUP88	30.8114	29.5259	26.9595	38.4891	33.47	35.0892	nucleoporin 88 [Source:HGNC Symbol;Acc:HGNC:8067]	chr17:5289	NM_00253	XM_01152	.	.	NP_00130	XP_011522	protein_co	ENSG0000	4927	8067
NUP93	42.2952	43.3926	38.629	54.1632	47.7782	33.4401	nucleoporin 93 [Source:HGNC Symbol;Acc:HGNC:28958]	chr16:5676	NM_00124	XM_00525	.	.	NP_00122	XP_005256	protein_co	ENSG0000	9688	28958
NUP98	31.2875	30.3428	30.4123	34.0071	33.8958	30.179	nucleoporin 98 [Source:HGNC Symbol;Acc:HGNC:8068]	chr11:3696	NM_00538	XM_01152	.	.	NP_00537	XP_005253	protein_co	ENSG0000	4928	8068
NUPL2	17.4085	15.8505	19.1018	19.7031	20.5154	20.7926	nucleoporin like 2 [Source:HGNC Symbol;Acc:HGNC:17010]	chr7:23145	NM_00734	XM_00524	.	.	NP_03136	XP_005249	protein_co	ENSG0000	11097	17010
NUPR1	0.981325	0.330851	0.538426	0.38904	0.024999	1.64834	nuclear protein 1, transcriptional regulator [Source:HGNC Symbo	chr16:2854	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	26471	29990
NUPR2	0	0	0	0	0	0	nuclear protein 2, transcriptional regulator [Source:HGNC Symbo	chr7:56182	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	389493	44164
NUS1	17.3324	18.9105	13.6496	18.013	22.7352	18.3196	NUS1 dehydrodolichyl diphosphate synthase subunit [Source:HGI	chr6:11799	NM_13845	.	.	.	NP_61246	.	protein_co	ENSG0000	116150	21042
NUSAP1	58.8906	60.4848	56.5722	89.4063	96.8511	83.6094	nucleolar and spindle associated protein 1 [Source:HGNC Symbol	chr15:4162	NM_00124	XM_00672	.	.	NP_00123	XP_005254	protein_co	ENSG0000	51203	18538
NUTF2	123.328	122.651	117.269	142.255	129.752	116.842	nuclear transport factor 2 [Source:HGNC Symbol;Acc:HGNC:1372	chr16:6786	NM_00579	XM_00525	.	.	NP_00130	XP_005255	protein_co	ENSG0000	10204	13722
NUTM1	0	0.01736	0	0.074644	0	0	NUT midline carcinoma family member 1 [Source:HGNC Symbol;A	chr15:3463	NM_00128	XM_01152	.	.	NP_00127	XP_011519	protein_co	ENSG0000	256646	29919
NUTM2A	0.295189	0.225614	0.176961	0.219575	0.209543	0.273872	NUT family member 2A [Source:HGNC Symbol;Acc:HGNC:23438]	chr10:8898	NM_00109	XM_01154	.	.	NP_00109	XP_011538	protein_co	ENSG0000	728118	23438
NUTM2B	0.11203	0.044568	0.116438	0.096296	0.201613	0.122849	NUT family member 2B [Source:HGNC Symbol;Acc:HGNC:23445]	chr10:8146	NM_00127	XM_00527	.	.	NP_00126	XP_005270	protein_co	ENSG0000	729262	23445
NUTM2D	0.315041	0.374598	0.189907	0.348002	0.368275	0.249056	NUT family member 2D [Source:HGNC Symbol;Acc:HGNC:23447]	chr10:8911	.	.	.	.	.	.	protein_co	ENSG0000	.	23447
NUTM2E	0.022126	0	0.01918	0	0	0.024264	NUT family member 2E [Source:HGNC Symbol;Acc:HGNC:23448]	chr10:8160	.	.	.	.	.	.	protein_co	ENSG0000	.	23448
NUTM2F	0	0.028249	0.024906	0	0	0.032089	NUT family member 2F [Source:HGNC Symbol;Acc:HGNC:23450]	chr9:97080	NM_01756	XM_01151	.	.	NP_06003	XP_011517	protein_co	ENSG0000	54754	23450
NUTM2G	0	0	0	0	0	0	NUT family member 2G [Source:HGNC Symbol;Acc:HGNC:23449]	chr9:99690	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	441457	23449
NVL	7.49197	8.17127	6.64394	9.40998	8.29835	7.47963	nuclear VCP-like [Source:HGNC Symbol;Acc:HGNC:8070]	chr1:22441	NM_00124	XM_01154	.	.	NP_00123	XP_011542	protein_co	ENSG0000	4931	8070
NWD1	0.132371	0.136726	0.081779	0.129686	0.245598	0.169683	NACHT and WD repeat domain containing 1 [Source:HGNC Symb	chr19:1683	NM_00100	XM_01152	.	.	NP_00100	XP_011526	protein_co	ENSG0000	284434	27619
NWD2	0	0.008877	0	0	0	0	NACHT and WD repeat domain containing 2 [Source:HGNC Symb	chr4:37245	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	57495	29229
NXF1	23.9992	22.583	18.0657	27.4214	27.0025	17.1989	nuclear RNA export factor 1 [Source:HGNC Symbol;Acc:HGNC:807	chr11:6255	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	10482	8071
NXF2	0	0	0	0	0	0	nuclear RNA export factor 2 [Source:HGNC Symbol;Acc:HGNC:807	chrX:10150	NM_02205	.	.	.	NP_07133	.	protein_co	ENSG0000	56001	8072
NXF2B	0	0	0	0	0	0	nuclear RNA export factor 2B [Source:HGNC Symbol;Acc:HGNC:2	chrX:10161	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	728343	23984
NXF3	0	0	0.087704	0.074218	0	0.034627	nuclear RNA export factor 3 [Source:HGNC Symbol;Acc:HGNC:807	chrX:10233	NM_02205	.	.	.	NP_07133	.	protein_co	ENSG0000	56000	8073
NXF5	0	0	0	0	0	0	nuclear RNA export factor 5 [Source:HGNC Symbol;Acc:HGNC:807	chrX:10108	NM_03294	XM_01153	.	.	NP_11656	.	protein_co	ENSG0000	55998	8075
NXN	39.2491	41.721	48.1231	44.0667	40.9869	38.8729	nucleoredoxin [Source:HGNC Symbol;Acc:HGNC:18008]	chr17:7025	NM_00120	XM_00525	.	.	NP_00119	XP_005256	protein_co	ENSG0000	64359	18008
NXNL1	0	0	0	0	0	0	nucleoredoxin-like 1 [Source:HGNC Symbol;Acc:HGNC:25179]	chr19:1754	NM_13845	.	.	.	NP_61246	.	protein_co	ENSG0000	115861	25179
NXNL2	0	0.196341	0.794943	0.219473	0.068082	0	nucleoredoxin-like 2 [Source:HGNC Symbol;Acc:HGNC:30482]	chr9:91150	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	158046	30482
NXPE1	0	0	0	0	0	0	neurexophilin and PC-esterase domain family member 1 [Source:	chr11:1143	NM_15231	XM_01154	.	.	NP_68952	XP_011540	protein_co	ENSG0000	120400	28527
NXPE2	0	0	0	0	0	0.032203	neurexophilin and PC-esterase domain family member 2 [Source:	chr11:1145	NM_18249	.	.	.	NP_87230	XP_011540	protein_co	ENSG0000	120406	26331
NXPE3	4.46855	4.28417	4.43492	3.76435	4.9453	4.08663	neurexophilin and PC-esterase domain family member 3 [Source:	chr3:10149	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	91775	28238
NXPE4	0	0	0	0	0	0	neurexophilin and PC-esterase domain family member 4 [Source:	chr11:1144	NM_00107	XM_01154	.	.	NP_00107	XP_011541	protein_co	ENSG0000	54827	23117
NXPH1	0	0	0.033667	0	0	0.037699	neurexophilin 1 [Source:HGNC Symbol;Acc:HGNC:20693]	chr7:84735	NM_15274	.	.	.	NP_68995	.	protein_co	ENSG0000	30010	20693
NXPH2	0.074681	0.077158	0.064961	0.082637	0	0.077124	neurexophilin 2 [Source:HGNC Symbol;Acc:HGNC:8076]	chr2:13942	NM_00722	.	.	.	NP_00915	.	protein_co	ENSG0000	11249	8076
NXPH3	0.033543	0.032867	0.057973	0.035703	0.060145	0.037345	neurexophilin 3 [Source:HGNC Symbol;Acc:HGNC:8077]	chr17:4765	NM_00722	.	.	.	NP_00915	.	protein_co	ENSG0000	11248	8077
NXPH4	12.3237	12.3269	14.4075	17.1357	14.9598	15.168	neurexophilin 4 [Source:HGNC Symbol;Acc:HGNC:8078]	chr12:5761	NM_00722	.	.	.	NP_00915	.	protein_co	ENSG0000	11247	8078
NXT1	34.882	32.9275	27.6139	35.3341	26.0861	22.7009	nuclear transport factor 2 like export factor 1 [Source:HGNC Sym	chr20:2333	NM_01324	XM_01152	.	.	NP_03738	XP_011527	protein_co	ENSG0000	29107	15913
NXT2	7.15181	9.23431	8.94619	8.40242	10.2627	9.92533	nuclear transport factor 2 like export factor 2 [Source:HGNC Sym	chrX:10877	NM_00124	XM_01702	.	.	NP_00122	XP_011529	protein_co	ENSG0000	55916	18151
NYAP1	1.8151	2.08034	2.83032	2.23722	1.72358	1.65746	neuronal tyrosine phosphorylated phosphoinositide-3-kinase ada	chr7:10008	NM_17356	XM_00671	.	.	NP_77583	XP_006715	protein_co	ENSG0000	222950	22009
NYAP2	0	0	0	0	0	0	neuronal tyrosine-phosphorylated phosphoinositide-3-kinase ada	chr2:22626	NM_02086	XM_00524	.	.	NP_06591	XP_005246	protein_co	ENSG0000	57624	29291

NYNRIN	0.06546	0.084294	0.080751	0.191497	0.13991	0.182728	NYN domain and retroviral integrase containing [Source:HGNC Sy	chr14:2486	NM_02508	.	.	.	NP_07935	.	protein_co	ENSG0000	57523	20165
NYX	0	0	0	0	0	0	nyctalopin [Source:HGNC Symbol;Acc:HGNC:8082]	chrX:41306	NM_02256	XM_00527	.	.	NP_07208	XP_005272	protein_co	ENSG0000	60506	8082
OAF	16.6027	18.4631	19.3269	15.2107	13.8531	14.3924	out at first homolog [Source:HGNC Symbol;Acc:HGNC:28752]	chr11:1200	NM_17850	.	.	.	NP_84860	.	protein_co	ENSG0000	220323	28752
OARD1	25.5582	23.7577	21.6222	29.4574	26.1308	22.6206	O-acyl-ADP-ribose deacylase 1 [Source:HGNC Symbol;Acc:HGNC:2	chr6:41032	NM_00132	.	.	.	NP_00131	.	protein_co	ENSG0000	221443	21257
OAS1	3.70481	3.12167	0.662711	0.739227	0.620598	0.817799	2'-5'-oligoadenylate synthetase 1 [Source:HGNC Symbol;Acc:HGN	chr12:1133	NM_00103	XM_01153	.	.	NP_00102	XP_006719	protein_co	ENSG0000	4938	8086
OAS2	0.350928	0.173855	0.055691	0.124372	0.24664	0.277115	2'-5'-oligoadenylate synthetase 2 [Source:HGNC Symbol;Acc:HGN	chr12:1134	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	4939	8087
OAS3	32.5652	33.1063	20.3556	22.486	23.0223	15.6868	2'-5'-oligoadenylate synthetase 3 [Source:HGNC Symbol;Acc:HGN	chr12:1133	NM_00618	XM_00525	.	.	NP_00617	XP_005253	protein_co	ENSG0000	4940	8088
OASL	30.1281	31.1803	2.97156	27.2938	21.3203	22.5855	2'-5'-oligoadenylate synthetase like [Source:HGNC Symbol;Acc:H	chr12:1214	NM_00126	.	.	.	NP_00124	XP_016875	protein_co	ENSG0000	8638	8090
OAT	103.397	101.109	125.097	105.731	99.4138	109.46	ornithine aminotransferase [Source:HGNC Symbol;Acc:HGNC:809	chr10:1260	NM_00027	XM_01153	.	.	NP_00026	XP_006717	protein_co	ENSG0000	4942	8091
OAZ1	708.409	689.976	608.818	825.056	643.558	681.219	ornithine decarboxylase antizyme 1 [Source:HGNC Symbol;Acc:H	chr19:2269	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	4946	8095
OAZ2	60.2953	54.5466	62.2616	70.8286	66.2936	67.4802	ornithine decarboxylase antizyme 2 [Source:HGNC Symbol;Acc:H	chr15:6497	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	4947	8096
OAZ3	0.973859	1.4545	0.458803	0.965089	0.487133	0.622955	ornithine decarboxylase antizyme 3 [Source:HGNC Symbol;Acc:H	chr1:15173	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	51686	8097
OBFC1	23.7017	22.7644	38.3239	28.321	25.1859	31.6287	oligonucleotide/oligosaccharide binding fold containing 1 [Source	chr10:1056	NM_02492	XM_00671	.	.	NP_07920	XP_006718	protein_co	ENSG0000	79991	26200
OBP2A	0	0	0	0	0	0	odorant binding protein 2A [Source:HGNC Symbol;Acc:HGNC:233	chr9:13843	NM_00129	.	.	.	NP_00128	.	protein_co	ENSG0000	29991	23380
OBP2B	0	0	0	0	0	0	odorant binding protein 2B [Source:HGNC Symbol;Acc:HGNC:233	chr9:13608	NM_00128	XM_01151	NR_11024	.	NP_00127	.	protein_co	ENSG0000	29989	23381
OBSCN	0.734852	0.812789	1.26533	0.563327	0.607541	0.981353	obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF [S	chr1:22839	NM_00109	XM_01154	.	.	NP_00109	XP_005273	protein_co	ENSG0000	84033	15719
OBSL1	2.00619	1.62391	1.53998	1.83248	1.38254	0.895912	obscurin like 1 [Source:HGNC Symbol;Acc:HGNC:29092]	chr2:22041	NM_00117	XM_01700	.	.	NP_00116	XP_005246	protein_co	ENSG0000	23363	29092
OC90	0	0	0	0	0	0	otoconin 90 [Source:HGNC Symbol;Acc:HGNC:8100]	chr8:13303	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	729330	8100
OCA2	0	0	0	0.028552	0	0	OCA2 melanosomal transmembrane protein [Source:HGNC Symb	chr15:2800	NM_00027	XM_01702	.	.	NP_00026	XP_011519	protein_co	ENSG0000	4948	8101
OCEL1	10.7952	10.8858	13.6279	9.84918	7.80984	12.8499	occludin/ELL domain containing 1 [Source:HGNC Symbol;Acc:HGN	chr19:1733	NM_02457	XM_01702	.	.	NP_07885	XP_005260	protein_co	ENSG0000	79629	26221
OCIAD1	91.6499	92.6337	92.7544	84.7919	106.185	105.565	OCIA domain containing 1 [Source:HGNC Symbol;Acc:HGNC:1607	chr4:48833	NM_00107	.	.	.	NP_00107	XP_016863	protein_co	ENSG0000	54940	16074
OCIAD2	57.6759	52.8135	52.0327	64.8072	50.5262	61.8999	OCIA domain containing 2 [Source:HGNC Symbol;Acc:HGNC:2868	chr4:48887	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	132299	28685
OCLM	2.07777	1.406	0.822764	0.559785	0.517386	0.444961	oculomedin [Source:HGNC Symbol;Acc:HGNC:8103]	chr1:18634	NM_02237	.	.	.	NP_07177	.	protein_co	ENSG0000	10896	8103
OCLN	11.1815	13.0174	11.356	9.89721	8.89066	13.1252	occludin [Source:HGNC Symbol;Acc:HGNC:8104]	chr5:68788	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	100506658	8104
OCM	0	0	0.09031	0	0	0	oncomodulin [Source:HGNC Symbol;Acc:HGNC:8105]	chr7:59194	NM_00109	XM_01151	.	.	NP_00109	XP_011513	protein_co	ENSG0000	654231	8105
OCM2	0	0	0	0	0	0	oncomodulin 2 [Source:HGNC Symbol;Acc:HGNC:34396]	chr7:97613	NM_00618	.	.	.	NP_00617	.	protein_co	ENSG0000	4951	34396
OCRL	11.0919	10.7743	11.9006	9.31324	9.09378	10.0448	OCRL, inositol polyphosphate-5-phosphatase [Source:HGNC Symb	chrX:12867	NM_00027	XM_01153	.	.	NP_00026	XP_005262	protein_co	ENSG0000	4952	8108
OCSTAMP	0	0	0	0	0	0	osteoclast stimulatory transmembrane protein [Source:HGNC Syr	chr20:4516	NM_08072	.	.	.	NP_54245	.	protein_co	ENSG0000	128506	16116
ODAM	0	0	0	0	0	0	odontogenic, ameloblast asssociated [Source:HGNC Symbol;Acc:H	chr4:71062	NM_01785	XM_00526	.	.	NP_06032	XP_005265	protein_co	ENSG0000	54959	26043
ODC1	360.528	352.073	249.368	433.65	411.565	343.526	ornithine decarboxylase 1 [Source:HGNC Symbol;Acc:HGNC:8109	chr2:10580	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	4953	8109
ODF1	0	0	0	0	0	0	outer dense fiber of sperm tails 1 [Source:HGNC Symbol;Acc:HGN	chr8:10356	NM_02441	.	.	.	NP_07772	.	protein_co	ENSG0000	4956	8113
ODF2	19.07	18.4564	17.2476	23.5667	22.5731	19.1475	outer dense fiber of sperm tails 2 [Source:HGNC Symbol;Acc:HGN	chr9:13121	NM_00124	XM_01151	.	.	NP_00122	XP_005252	protein_co	ENSG0000	4957	8114
ODF2L	6.69241	6.69462	6.86727	5.90771	8.41478	7.43572	outer dense fiber of sperm tails 2 like [Source:HGNC Symbol;Acc:	chr1:86812	NM_00100	XM_01154	.	.	NP_00100	XP_005271	protein_co	ENSG0000	57489	29225
ODF3	0	0	0	0	0	0	outer dense fiber of sperm tails 3 [Source:HGNC Symbol;Acc:HGN	chr11:1677	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	113746	19905
ODF3B	3.1406	4.28121	4.25963	1.24629	0.463067	2.8338	outer dense fiber of sperm tails 3B [Source:HGNC Symbol;Acc:HG	chr22:5096	NM_00101	XM_00526	.	.	NP_00101	XP_005261	protein_co	ENSG0000	440836	34388
ODF3L1	0.071955	0.071521	0	0	0.083341	0	outer dense fiber of sperm tails 3 like 1 [Source:HGNC Symbol;Ac	chr15:7601	NM_17588	XM_00672	.	.	NP_78707	XP_006720	protein_co	ENSG0000	161753	28735
ODF3L2	0.432901	0.069529	0.18529	0	0.085288	0	outer dense fiber of sperm tails 3 like 2 [Source:HGNC Symbol;Ac	chr19:4633	NM_18257	.	.	.	NP_87238	.	protein_co	ENSG0000	284451	26841
ODF4	0	0	0	0	0	0	outer dense fiber of sperm tails 4 [Source:HGNC Symbol;Acc:HGN	chr17:8243	NM_00131	XM_01152	.	.	NP_00130	XP_005256	protein_co	ENSG0000	146852	19056
OFCC1	0	0	0	0	0	0	orofacial cleft 1 candidate 1 [Source:HGNC Symbol;Acc:HGNC:21	chr6:98969	.	.	.	.	.	XP_016867	protein_co	ENSG0000	107983965	21017
OFD1	5.18433	5.29822	4.96568	4.12588	4.50319	4.46757	OFD1, centriole and centriolar satellite protein [Source:HGNC Syr	chrX:13752	NM_00361	XM_01702	.	.	NP_00360	XP_005274	protein_co	ENSG0000	8481	2567
OGDH	22.808	22.77	26.1562	24.005	20.8997	22.0691	oxoglutarate dehydrogenase [Source:HGNC Symbol;Acc:HGNC:81	chr7:44646	NM_00100	XM_01151	.	.	NP_00100	XP_005249	protein_co	ENSG0000	4967	8124
OGDHL	3.62562	4.79605	7.70973	4.27758	3.56904	5.27779	oxoglutarate dehydrogenase-like [Source:HGNC Symbol;Acc:HGN	chr10:5094	NM_00114	XM_01153	.	.	NP_00113	XP_011538	protein_co	ENSG0000	55753	25590
OGFOD1	23.4907	24.9564	23.6372	25.4672	26.4966	22.0464	2-oxoglutarate and iron dependent oxygenase domain containing	chr16:5648	NM_01823	XM_01152	.	.	NP_00131	.	protein_co	ENSG0000	55239	25585
OGFOD2	13.371	15.5455	13.5976	16.436	13.9734	13.568	2-oxoglutarate and iron dependent oxygenase domain containing	chr12:1234	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	79676	25823
OGFOD3	14.3084	16.3175	12.3124	16.9928	14.8713	12.7466	2-oxoglutarate and iron dependent oxygenase domain containing	chr17:8034	NM_02464	.	.	.	NP_07892	.	protein_co	ENSG0000	79701	26174
OGFR	34.6698	34.3442	33.2109	38.0683	33.5762	30.2705	opioid growth factor receptor [Source:HGNC Symbol;Acc:HGNC:1	chr20:6143	NM_00734	.	.	.	NP_03137	.	protein_co	ENSG0000	11054	15768
OGFRL1	6.95808	7.597	6.17389	5.53565	5.90462	7.34395	opioid growth factor receptor like 1 [Source:HGNC Symbol;Acc:H	chr6:71998	NM_00132	XM_01701	.	.	NP_00131	XP_011534	protein_co	ENSG0000	79627	21378
OGG1	8.06754	8.00223	6.36881	7.27683	5.698	5.45682	8-oxoguanine DNA glycosylase [Source:HGNC Symbol;Acc:HGNC:8	chr3:97916	NM_00254	.	.	.	NP_00253	XP_011532	protein_co	ENSG0000	4968	8125
OGN	0	0	0	0	0	0	osteoglycin [Source:HGNC Symbol;Acc:HGNC:8126]	chr9:95059	NM_01405	.	.	.	NP_05477	.	protein_co	ENSG0000	4969	8126
OGT	48.3514	46.4453	55.5046	34.5719	39.4494	50.8792	O-linked N-acetylglucosamine (GlcNAc) transferase [Source:HGN	chrX:70752	NM_18167	.	.	.	NP_85805	.	protein_co	ENSG0000	8473	8127
OIP5	20.4794	18.8027	16.3169	31.7463	31.5188	21.4459	Opa interacting protein 5 [Source:HGNC Symbol;Acc:HGNC:20300	chr15:4160	NM_00728	XM_01152	.	.	NP_00921	.	protein_co	ENSG0000	11339	20300
OIT3	0.048071	0	0	0.033852	0	0	oncoprotein induced transcript 3 [Source:HGNC Symbol;Acc:HGN	chr10:7465	NM_15263	.	.	.	NP_68984	.	protein_co	ENSG0000	170392	29953
OLA1	105.049	92.7233	109.13	103.217	109.306	121.305	Obg-like ATPase 1 [Source:HGNC Symbol;Acc:HGNC:28833]	chr2:17493	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	29789	28833
OLAH	0.046065	0.048596	0.040088	0.103721	0.102307	0.230042	oleoyl-ACP hydrolase [Source:HGNC Symbol;Acc:HGNC:25625]	chr10:1508	NM_00103	XM_01701	.	.	NP_00103	XP_006717	protein_co	ENSG0000	55301	25625
OLFM1	1.91588	2.51026	2.31479	1.41433	1.00193	1.43601	olfactomedin 1 [Source:HGNC Symbol;Acc:HGNC:17187]	chr9:13796	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	10439	17187
OLFM2	15.7429	16.9976	25.2685	16.7091	15.5346	25.327	olfactomedin 2 [Source:HGNC Symbol;Acc:HGNC:17189]	chr19:9964	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	93145	17189
OLFM3	0	0	0	0	0	0	olfactomedin 3 [Source:HGNC Symbol;Acc:HGNC:17990]	chr1:10226	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	118427	17990
OLFM4	0	0	0	0	0	0	olfactomedin 4 [Source:HGNC Symbol;Acc:HGNC:17190]	chr13:5360	NM_00641	.	.	.	NP_00640	.	protein_co	ENSG0000	10562	17190
OLFML1	0	0	0	0	0	0	olfactomedin like 1 [Source:HGNC Symbol;Acc:HGNC:24473]	chr11:7506	NM_19847	XM_00525	.	.	NP_94087	XP_005252	protein_co	ENSG0000	283298	24473

OLFML2A	2.58301	2.91345	4.48044	2.31734	2.95304	3.12557	olfactomedin like 2A [Source:HGNC Symbol;Acc:HGNC:27270]	chr9:12753	NM_00128	XM_00671	.	.		NP_00126	XP_005251	protein_co	ENSG0000	169611	27270
OLFML2B	1.14541	1.23827	1.14366	1.19064	0.638256	0.921045	olfactomedin like 2B [Source:HGNC Symbol;Acc:HGNC:24558]	chr1:16195	NM_00129	XM_00524	.	.		NP_00128	XP_005245	protein_co	ENSG0000	25903	24558
OLFML3	0.075344	0.076615	0.065657	1.31735	0.967072	0.638703	olfactomedin like 3 [Source:HGNC Symbol;Acc:HGNC:24956]	chr1:11452	NM_00128	.	.	.		NP_00127	XP_016857	protein_co	ENSG0000	56944	24956
OLIG1	0	0	0	0	0	0	oligodendrocyte transcription factor 1 [Source:HGNC Symbol;Acc	chr21:3444	NM_13898	.	.	.		NP_62045	.	protein_co	ENSG0000	116448	16983
OLIG2	0	0	0	0	0	0.051499	oligodendrocyte lineage transcription factor 2 [Source:HGNC Sym	chr21:3439	NM_00580	XM_00526	.	.		NP_00579	XP_005260	protein_co	ENSG0000	10215	9398
OLIG3	0	0	0	0	0	0	oligodendrocyte transcription factor 3 [Source:HGNC Symbol;Acc	chr6:13781	NM_17574	.	.	.		NP_78692	.	protein_co	ENSG0000	167826	18003
OLR1	0	0.03395	0	0	0	0	oxidized low density lipoprotein receptor 1 [Source:HGNC Symbo	chr12:1031	NM_00117	XM_01152	.	.		NP_00116	XP_011518	protein_co	ENSG0000	4973	8133
OMA1	11.0341	8.52873	11.8206	8.05361	12.1605	11.7768	OMA1 zinc metallopeptidase [Source:HGNC Symbol;Acc:HGNC:29	chr1:58946	NM_14524	.	.	.		NP_66028	.	protein_co	ENSG0000	115209	29661
OMD	0	0	0	0	0	0	osteomodulin [Source:HGNC Symbol;Acc:HGNC:8134]	chr9:95059	NM_00501	.	.	.		NP_00500	.	protein_co	ENSG0000	4958	8134
OMG	0	0	0	0	0	0	oligodendrocyte myelin glycoprotein [Source:HGNC Symbol;Acc:H	chr17:2942	NM_00254	.	.	XR_24378		NP_00253	.	protein_co	ENSG0000	101927057	8135
OMP	0	0.207529	0.181595	0	0	0	olfactory marker protein [Source:HGNC Symbol;Acc:HGNC:8136]	chr11:7767	NM_00618	.	.	.		NP_00618	.	protein_co	ENSG0000	4975	8136
ONECUT1	0.352448	0.569998	0.338131	0.255362	0.539867	0.843095	one cut homeobox 1 [Source:HGNC Symbol;Acc:HGNC:8138]	chr15:5304	NM_00449	.	.	.		NP_00448	.	protein_co	ENSG0000	3175	8138
ONECUT2	1.55667	1.39375	1.98273	1.35747	1.81241	2.23117	one cut homeobox 2 [Source:HGNC Symbol;Acc:HGNC:8139]	chr18:5510	NM_00485	.	.	.		NP_00484	.	protein_co	ENSG0000	9480	8139
ONECUT3	5.39683	5.73913	7.29023	3.69374	4.42828	5.76793	one cut homeobox 3 [Source:HGNC Symbol;Acc:HGNC:13399]	chr19:1752	NM_00108	.	.	.		NP_00107	.	protein_co	ENSG0000	390874	13399
OOEP	0	0	0	0.096642	0	0.237185	oocyte expressed protein [Source:HGNC Symbol;Acc:HGNC:2138	chr6:74078	NM_00108	.	.	.		NP_00107	.	protein_co	ENSG0000	441161	21382
OOSP2	0	0	0	0	0	0	oocyte secreted protein 2 [Source:HGNC Symbol;Acc:HGNC:2669	chr11:5980	NM_17380	.	.	.		NP_77616	.	protein_co	ENSG0000	219990	26699
OPA1	18.2493	19.4513	18.1078	18.2833	22.1745	20.5435	OPA1, mitochondrial dynamin like GTPase [Source:HGNC Symbol;	chr3:19331	NM_01556	XM_01700	.	.		NP_05637	XP_016861	protein_co	ENSG0000	4976	8140
OPA3	6.28584	6.44384	7.05487	6.11605	6.44065	5.32843	optic atrophy 3 (autosomal recessive, with chorea and spastic pa	chr19:4603	NM_00101	XM_00672	.	.		NP_00101	XP_005259	protein_co	ENSG0000	80207	8142
OPALIN	0	0	0	0	0	0	oligodendrocytic myelin paranodal and inner loop protein [Sourc	chr10:9810	NM_00104	.	.	.		NP_00103	.	protein_co	ENSG0000	93377	20707
OPCML	0	0	0	0	0	0	opioid binding protein/cell adhesion molecule like [Source:HGNC	chr11:1322	NM_00101	XM_01154	.	.		NP_00101	XP_006718	protein_co	ENSG0000	4978	8143
OPHN1	0.965567	0.957319	1.24327	1.13067	0.962067	1.27846	oligophrenin 1 [Source:HGNC Symbol;Acc:HGNC:8148]	chrX:67262	NM_00254	XM_01153	.	.		NP_00253	XP_005262	protein_co	ENSG0000	4983	8148
OPLAH	7.49048	8.09975	9.2908	3.98858	4.15174	4.98339	5-oxoprolinase (ATP-hydrolysing) [Source:HGNC Symbol;Acc:HGN	chr8:14510	NM_01757	XM_01151	.	.		NP_06004	XP_011515	protein_co	ENSG0000	26873	8149
OPN1LW	0	0	0	0	0	0	opsin 1 (cone pigments), long-wave-sensitive [Source:HGNC Symb	chrX:15340	NM_02006	.	.	.		NP_06444	.	protein_co	ENSG0000	5956	9936
OPN1MW	0	0	0	0	0	0	opsin 1 (cone pigments), medium-wave-sensitive [Source:HGNC S	chrX:15344	NM_00051	.	.	.		NP_00050	.	protein_co	ENSG0000	2652	4206
OPN1MW2	0	0	0	0	0	0	opsin 1 (cone pigments), medium-wave-sensitive 2 [Source:HGNC	chrX:15348	NM_00104	XM_01699	.	.		NP_00104	XP_016855	protein_co	ENSG0000	107984055	26952
OPN1MW3	0	0	0	0	0	0	opsin 1 (cone pigments), medium-wave-sensitive 3 [Source:HGNC	chrX:15348	.	XM_00396	.	.		.	XP_003960	protein_co	ENSG0000	101060233	51831
OPN1SW	0	0	0	0	0	0	opsin 1 (cone pigments), short-wave-sensitive [Source:HGNC Sym	chr7:12841	NM_00170	.	.	.		NP_00169	.	protein_co	ENSG0000	611	1012
OPN3	2.15148	2.18963	2.31081	2.38265	2.4848	2.43917	opsin 3 [Source:HGNC Symbol;Acc:HGNC:14007]	chr1:24169	NM_01432	.	.	.		NP_05513	.	protein_co	ENSG0000	23596	14007
OPN4	0	0	0	0	0	0	opsin 4 [Source:HGNC Symbol;Acc:HGNC:14449]	chr10:8841	NM_00103	.	.	.		NP_00102	.	protein_co	ENSG0000	94233	14449
OPN5	0	0	0	0	0	0	opsin 5 [Source:HGNC Symbol;Acc:HGNC:19992]	chr6:47749	NM_18174	.	NR_03380	.		NP_85952	.	protein_co	ENSG0000	221391	19992
OPRD1	0.008227	0.008359	0.007111	0.009007	0.018789	0.008671	opioid receptor delta 1 [Source:HGNC Symbol;Acc:HGNC:8153]	chr1:29138	NM_00091	.	.	.		NP_00090	.	protein_co	ENSG0000	4985	8153
OPRK1	0	0	0.015239	0.019905	0	0.034851	opioid receptor kappa 1 [Source:HGNC Symbol;Acc:HGNC:8154]	chr8:54138	NM_00091	.	.	.		NP_00090	.	protein_co	ENSG0000	4986	8154
OPRL1	0.985962	0.666244	1.17482	0.966148	0.684814	0.833617	opioid related nociceptin receptor 1 [Source:HGNC Symbol;Acc:H	chr20:6271	NM_00091	XM_01702	.	.		NP_00090	XP_011527	protein_co	ENSG0000	4987	8155
OPRM1	0	0	0.061689	0	0	0.085077	opioid receptor mu 1 [Source:HGNC Symbol;Acc:HGNC:8156]	chr6:15433	NM_00091	XM_01153	.	.		NP_00090	XP_011534	protein_co	ENSG0000	4988	8156
OPRPN	0	0	0	0	0	0	opiorphin prepropeptide [Source:HGNC Symbol;Acc:HGNC:17279	chr4:71263	NM_02122	.	.	.		NP_06704	.	protein_co	ENSG0000	58503	17279
OPTC	0	0	0	0	0	0	opticin [Source:HGNC Symbol;Acc:HGNC:8158]	chr1:20346	NM_01435	XM_01150	.	.		NP_05517	XP_011507	protein_co	ENSG0000	26254	8158
OPTN	14.7618	15.5453	14.5998	5.52725	4.68294	7.48158	optineurin [Source:HGNC Symbol;Acc:HGNC:17142]	chr10:1329	NM_00100	XM_00525	.	.		NP_00100	XP_005252	protein_co	ENSG0000	10133	17142
OR10A2	0	0	0	0	0	0	olfactory receptor family 10 subfamily A member 2 [Source:HGN	chr11:6890	NM_00100	.	.	.		NP_00100	.	protein_co	ENSG0000	341276	8161
OR10A3	0	0	0	0	0	0	olfactory receptor family 10 subfamily A member 3 [Source:HGN	chr11:7960	NM_00100	.	.	.		NP_00100	.	protein_co	ENSG0000	26496	8162
OR10A4	0	0	0	0	0	0	olfactory receptor family 10 subfamily A member 4 [Source:HGN	chr11:6897	NM_20718	.	.	.		NP_99706	.	protein_co	ENSG0000	283297	15130
OR10A5	0	0	0	0	0	0	olfactory receptor family 10 subfamily A member 5 [Source:HGN	chr11:6866	NM_17816	.	.	.		NP_83546	.	protein_co	ENSG0000	144124	15131
OR10A7	0	0	0	0	0	0	olfactory receptor family 10 subfamily A member 7 [Source:HGN	chr12:5561	NM_00100	.	.	.		NP_00100	.	protein_co	ENSG0000	121364	15329
OR10AD1	0	0	0	0	0	0	olfactory receptor family 10 subfamily AD member 1 [Source:HG	chr12:4859	NM_00100	.	.	.		NP_00100	.	protein_co	ENSG0000	121275	14819
OR10AG1	0	0	0	0	0	0	olfactory receptor family 10 subfamily AG member 1 [Source:HG	chr11:5573	NM_00100	.	.	.		NP_00100	.	protein_co	ENSG0000	282770	19607
OR10C1	0	0	0	0	0	0	olfactory receptor family 10 subfamily C member 1 (gene/pseudo	chr6:29323	NM_01394	.	.	.		NP_03922	.	protein_co	ENSG0000	442194	8165
OR10D3	0	0	0	0	0	0	olfactory receptor family 10 subfamily D member 3 (putative) [So	chr11:1240	.	.	.	.		.	.	protein_co	ENSG0000	.	8168
OR10G2	0	0	0	0	0	0	olfactory receptor family 10 subfamily G member 2 [Source:HGN	chr14:2210	NM_00100	.	.	.		NP_00100	.	protein_co	ENSG0000	26534	8170
OR10G3	0	0	0	0	0	0	olfactory receptor family 10 subfamily G member 3 [Source:HGN	chr14:2203	NM_00100	.	.	.		NP_00100	.	protein_co	ENSG0000	26533	8171
OR10G4	0	0	0	0	0	0	olfactory receptor family 10 subfamily G member 4 [Source:HGN	chr11:1238	NM_00100	.	.	.		NP_00100	.	protein_co	ENSG0000	390264	14809
OR10G6	0	0	0	0	0	0	olfactory receptor family 10 subfamily G member 6 [Source:HGN	chr11:1238	.	.	.	.		.	.	protein_co	ENSG0000	.	14836
OR10G7	0	0	0	0	0	0	olfactory receptor family 10 subfamily G member 7 [Source:HGN	chr11:1239	NM_00100	.	.	.		NP_00100	.	protein_co	ENSG0000	390265	14842
OR10G8	0	0	0	0	0	0	olfactory receptor family 10 subfamily G member 8 [Source:HGN	chr11:1239	NM_00100	.	.	.		NP_00100	.	protein_co	ENSG0000	219869	14845
OR10G9	0	0	0	0	0	0	olfactory receptor family 10 subfamily G member 9 [Source:HGN	chr11:1238	NM_00100	.	.	.		NP_00100	.	protein_co	ENSG0000	219870	15129
OR10H1	0	0	0.159573	0.100849	0.216942	0.10176	olfactory receptor family 10 subfamily H member 1 [Source:HGN	chr19:1591	NM_01394	XM_01152	.	.		NP_03922	XP_011526	protein_co	ENSG0000	26539	8172
OR10H2	0.106553	0	0	0	0	0	olfactory receptor family 10 subfamily H member 2 [Source:HGN	chr19:1583	NM_01393	.	.	.		NP_03922	.	protein_co	ENSG0000	26538	8173
OR10H3	0	0	0	0	0	0	olfactory receptor family 10 subfamily H member 3 [Source:HGN	chr19:1585	NM_01393	.	.	.		NP_03922	.	protein_co	ENSG0000	26532	8174
OR10H4	0	0	0	0	0	0	olfactory receptor family 10 subfamily H member 4 [Source:HGN	chr19:1605	NM_00100	.	.	.		NP_00100	.	protein_co	ENSG0000	126541	15388
OR10H5	0	0	0	0	0	0	olfactory receptor family 10 subfamily H member 5 [Source:HGN	chr19:1590	NM_00100	.	.	.		NP_00100	.	protein_co	ENSG0000	284433	15389
OR10J1	0	0	0	0	0	0	olfactory receptor family 10 subfamily J member 1 [Source:HGNC	chr1:15940	NM_01235	XM_01150	.	.		NP_03648	XP_006711	protein_co	ENSG0000	26476	8175

OR10J3	0	0	0	0	0	0	olfactory receptor family 10 subfamily J member 3 [Source:HGNC	chr1:15928	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	441911	14992
OR10J5	0	0	0	0	0	0	olfactory receptor family 10 subfamily J member 5 [Source:HGNC	chr1:15950	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	127385	14993
OR10K1	0	0	0	0	0	0	olfactory receptor family 10 subfamily K member 1 [Source:HGNC	chr1:15843	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	391109	14693
OR10K2	0	0	0	0	0	0	olfactory receptor family 10 subfamily K member 2 [Source:HGNC	chr1:15838	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	391107	14826
OR10P1	0	0	0	0	0	0	olfactory receptor family 10 subfamily P member 1 [Source:HGNC	chr12:5603	NM_20689	.	.	.	NP_99678	.	protein_co	ENSG00000	121130	15378
OR10Q1	0	0	0	0	0	0	olfactory receptor family 10 subfamily Q member 1 [Source:HGN	chr11:5799	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	219960	15134
OR10R2	0	0	0	0	0	0	olfactory receptor family 10 subfamily R member 2 [Source:HGN	chr1:15844	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	343406	14820
OR10S1	0	0	0	0.197065	0	0	olfactory receptor family 10 subfamily S member 1 [Source:HGNC	chr11:1238	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	219873	14807
OR10T2	0	0	0	0	0	0	olfactory receptor family 10 subfamily T member 2 [Source:HGN	chr1:15836	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	128360	14816
OR10V1	0	0	0	0	0	0	olfactory receptor family 10 subfamily V member 1 [Source:HGN	chr11:5948	NM_00100	.	.	.	NP_001005	.	protein_co	ENSG00000	390201	15136
OR10W1	0	0	0	0	0	0	olfactory receptor family 10 subfamily W member 1 [Source:HGN	chr11:5803	NM_20737	.	.	.	NP_99725	.	protein_co	ENSG00000	81341	15139
OR10Z1	0	0	0	0	0	0	olfactory receptor family 10 subfamily Z member 1 [Source:HGN	chr1:15857	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	128368	14996
OR11A1	0	0	0	0	0	0	olfactory receptor family 11 subfamily A member 1 [Source:HGN	chr6:29323	NM_01393	.	.	.	NP_03922	.	protein_co	ENSG00000	26531	8176
OR11G2	0	0	0	0	0	0	olfactory receptor family 11 subfamily G member 2 [Source:HGN	chr14:2066	NM_00100	.	.	.	NP_001005	.	protein_co	ENSG00000	390439	15346
OR11H1	0	0	0	0	0	0	olfactory receptor family 11 subfamily H member 1 [Source:HGN	chr22:1644	NM_00100	.	.	.	NP_001005	.	protein_co	ENSG00000	81061	15404
OR11H12	0	0	0	0	0	0	olfactory receptor family 11 subfamily H member 12 [Source:HGN	chr14:1937	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG00000	440153	30738
OR11H2	0	0	0	0	0	0	olfactory receptor family 11 subfamily H member 2 [Source:HGN	chr14:2018	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG00000	79334	14716
OR11H4	0	0	0.081227	0	0	0	olfactory receptor family 11 subfamily H member 4 [Source:HGN	chr14:2071	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	390442	15347
OR11H6	0	0	0	0	0	0	olfactory receptor family 11 subfamily H member 6 [Source:HGN	chr14:2069	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	122748	15349
OR11L1	0	0	0	0	0	0	olfactory receptor family 11 subfamily L member 1 [Source:HGNC	chr1:24800	NM_00100	.	.	.	NP_001001	.	protein_co	ENSG00000	391189	14998
OR12D3	0	0	0	0	0	0	olfactory receptor family 12 subfamily D member 3 [Source:HGN	chr6:29323	NM_03095	.	.	.	NP_11222	.	protein_co	ENSG00000	81797	13963
OR13A1	0	0.176232	0.038233	0	0	0	olfactory receptor family 13 subfamily A member 1 [Source:HGN	chr10:4579	NM_00100	XM_01154	.	.	NP_001004	XP_011538	protein_co	ENSG00000	79290	14772
OR13C2	0	0	0	0	0	0	olfactory receptor family 13 subfamily C member 2 [Source:HGN	chr9:10736	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	392376	14701
OR13C3	0	0	0	0	0	0	olfactory receptor family 13 subfamily C member 3 [Source:HGN	chr9:10729	NM_00100	.	.	.	NP_001001	.	protein_co	ENSG00000	138803	14704
OR13C4	0	0	0	0	0	0	olfactory receptor family 13 subfamily C member 4 [Source:HGN	chr9:10728	NM_00100	.	.	.	NP_001001	.	protein_co	ENSG00000	138804	14722
OR13C5	0	0	0	0	0	0	olfactory receptor family 13 subfamily C member 5 [Source:HGN	chr9:10736	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	138799	15100
OR13C8	0	0	0	0	0	0	olfactory receptor family 13 subfamily C member 8 [Source:HGN	chr9:10733	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	138802	15103
OR13C9	0	0	0	0	0	0	olfactory receptor family 13 subfamily C member 9 [Source:HGN	chr9:10737	NM_00100	.	.	.	NP_001001	.	protein_co	ENSG00000	286362	15104
OR13D1	0	0	0	0	0	0	olfactory receptor family 13 subfamily D member 1 [Source:HGN	chr9:10745	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	286365	14695
OR13F1	0	0	0	0	0	0	olfactory receptor family 13 subfamily F member 1 [Source:HGNC	chr9:10726	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	138805	14723
OR13G1	0	0	0	0	0	0	olfactory receptor family 13 subfamily G member 1 [Source:HGN	chr1:24783	NM_00100	.	.	.	NP_001005	.	protein_co	ENSG00000	441933	14999
OR13H1	0	0	0	0	0	0	olfactory receptor family 13 subfamily H member 1 [Source:HGN	chrX:13040	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	347468	14755
OR13J1	0	0	0	0	0	0	olfactory receptor family 13 subfamily J member 1 [Source:HGNC	chr9:35869	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	392309	15108
OR14A16	0	0	0	0	0	0	olfactory receptor family 14 subfamily A member 16 [Source:HGN	chr1:24797	NM_00100	XM_00671	.	.	NP_001001	XP_006711	protein_co	ENSG00000	284532	15022
OR14A2	0	0	0	0	0	0	olfactory receptor family 14 subfamily A member 2 [Source:HGN	chr1:24788	.		.	.	.		protein_co	ENSG00000	.	15024
OR14C36	0	0	0	0	0	0	olfactory receptor family 14 subfamily C member 36 [Source:HGN	chr1:24851	NM_00100	.	.	.	NP_001001	.	protein_co	ENSG00000	127066	15026
OR14I1	0	0	0	0	0	0	olfactory receptor family 14 subfamily I member 1 [Source:HGNC	chr1:24884	NM_00100	XM_00527	.	.	NP_001004	XP_005273	protein_co	ENSG00000	401994	19575
OR14J1	0	0	0	0	0	0	olfactory receptor family 14 subfamily J member 1 [Source:HGNC	chr6:29274	NM_03094	.	.	.	NP_11220	.	protein_co	ENSG00000	442191	13971
OR14K1	0	0	0	0	0	0	olfactory receptor family 14 subfamily K member 1 [Source:HGN	chr1:24790	.		.	.	.		protein_co	ENSG00000	.	15025
OR1A1	0	0	0	0	0	0	olfactory receptor family 1 subfamily A member 1 [Source:HGNC	chr17:3118	NM_01456	.	.	.	NP_05538	.	protein_co	ENSG00000	8383	8179
OR1A2	0	0	0	0	0	0	olfactory receptor family 1 subfamily A member 2 [Source:HGNC	chr17:3100	NM_01235	.	.	.	NP_03648	.	protein_co	ENSG00000	26189	8180
OR1C1	0	0	0	0	0	0	olfactory receptor family 1 subfamily C member 1 [Source:HGNC	chr1:24792	NM_01235	.	.	.	NP_03648	.	protein_co	ENSG00000	26188	8182
OR1D2	0	0	0	0	0	0	olfactory receptor family 1 subfamily D member 2 [Source:HGNC	chr17:2995	NM_00254	.	.	.	NP_00253	.	protein_co	ENSG00000	4991	8183
OR1D5	0	0	0	0	0	0	olfactory receptor family 1 subfamily D member 5 [Source:HGNC	chr17:2965	NM_01456	.	.	.	NP_05538	.	protein_co	ENSG00000	8386	8186
OR1E1	0	0	0	0	0	0	olfactory receptor family 1 subfamily E member 1 [Source:HGNC	chr17:3300	NM_00355	.	.	.	NP_00354	.	protein_co	ENSG00000	8387	8189
OR1E2	0	0	0	0	0	0	olfactory receptor family 1 subfamily E member 2 [Source:HGNC	chr17:3336	NM_00355	.	.	.	NP_00354	.	protein_co	ENSG00000	8388	8190
OR1F1	0	0	0	0	0	0	olfactory receptor family 1 subfamily F member 1 [Source:HGNC	chr16:3254	NM_01236	XM_01152	.	.	NP_03649	XP_011520	protein_co	ENSG00000	4992	8194
OR1G1	0	0	0	0	0	0	olfactory receptor family 1 subfamily G member 1 [Source:HGNC	chr17:3029	NM_00355	XM_00672	.	.	NP_00354	XP_006721	protein_co	ENSG00000	8390	8204
OR1I1	0	0	0	0	0	0	olfactory receptor family 1 subfamily I member 1 [Source:HGNC	chr19:1519	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	126370	8207
OR1J1	0	0	0	0	0	0	olfactory receptor family 1 subfamily J member 1 [Source:HGNC	chr9:12523	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	347168	8208
OR1J2	0	0	0	0	0	0	olfactory receptor family 1 subfamily J member 2 [Source:HGNC	chr9:12527	NM_05410	XM_01151	.	.	NP_47344	XP_011516	protein_co	ENSG00000	26740	8209
OR1J4	0	0	0	0	0	0	olfactory receptor family 1 subfamily J member 4 [Source:HGNC	chr9:12528	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	26219	8211
OR1K1	0	0	0	0	0	0	olfactory receptor family 1 subfamily K member 1 [Source:HGNC	chr9:12556	NM_08085	.	.	.	NP_54313	.	protein_co	ENSG00000	392392	8212
OR1L1	0	0	0	0	0	0	olfactory receptor family 1 subfamily L member 1 [Source:HGNC	chr9:12542	NM_00100	.	.	.	NP_001005	.	protein_co	ENSG00000	26737	8213
OR1L3	0	0	0	0	0	0	olfactory receptor family 1 subfamily L member 3 [Source:HGNC	chr9:12543	NM_00100	.	.	.	NP_001005	.	protein_co	ENSG00000	26735	8215
OR1L4	0	0	0	0	0	0	olfactory receptor family 1 subfamily L member 4 [Source:HGNC	chr9:12548	NM_00100	.	.	.	NP_001005	.	protein_co	ENSG00000	254973	8216
OR1L6	0	0	0	0	0	0	olfactory receptor family 1 subfamily L member 6 [Source:HGNC	chr9:12551	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	392390	8218
OR1L8	0.112181	0	0	0	0	0	olfactory receptor family 1 subfamily L member 8 [Source:HGNC	chr9:12532	NM_00100	XM_01151	.	.	NP_001004	XP_011516	protein_co	ENSG00000	138881	15110
OR1M1	0	0	0	0	0	0	olfactory receptor family 1 subfamily M member 1 [Source:HGNC	chr19:9203	NM_00100	.	.	.	NP_001004	.	protein_co	ENSG00000	125963	8220

OR1N1	0	0	0	0	0	0	olfactory receptor family 1 subfamily N member 1 [Source:HGNC	chr9:12528	NM_01236	.	.	.	NP_03649	.	protein_co	ENSG0000	138883	8221
OR1N2	0	0	0	0	0	0	olfactory receptor family 1 subfamily N member 2 [Source:HGNC	chr9:12531	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	138882	15111
OR1Q1	0	0	0.090436	0	0	0	olfactory receptor family 1 subfamily Q member 1 [Source:HGNC	chr9:12537	NM_01236	XM_01151	.	.	NP_03649	XP_01151	protein_co	ENSG0000	158131	8223
OR1S2	0	0	0	0	0	0	olfactory receptor family 1 subfamily S member 2 [Source:HGNC	chr11:5797	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	219958	15141
OR2A1	0	0	0	0	0	0	olfactory receptor family 2 subfamily A member 1 [Source:HGNC	chr7:14401	NM_00100	XM_00524	.	.	NP_00100	XP_00525	protein_co	ENSG0000	346528	8229
OR2A12	0	0	0	0	0	0	olfactory receptor family 2 subfamily A member 12 [Source:HGN	chr7:14379	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	346525	15082
OR2A14	0	0	0	0	0	0	olfactory receptor family 2 subfamily A member 14 [Source:HGN	chr7:14380	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	135941	15084
OR2A2	0	0	0	0	0	0	olfactory receptor family 2 subfamily A member 2 [Source:HGNC	chr7:14380	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	442361	8230
OR2A25	0	0	0	0	0	0	olfactory receptor family 2 subfamily A member 25 [Source:HGN	chr7:14377	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	392138	19562
OR2A4	0	0	0	0	0	0	olfactory receptor family 2 subfamily A member 4 [Source:HGNC	chr6:13194	NM_03090	.	.	.	NP_11217	.	protein_co	ENSG0000	79541	14729
OR2A42	0	0	0	0	0	0	olfactory receptor family 2 subfamily A member 42 [Source:HGN	chr7:14392	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	402317	31230
OR2A5	0	0	0	0	0	0	olfactory receptor family 2 subfamily A member 5 [Source:HGNC	chr7:14374	NM_01236	.	.	.	NP_03649	.	protein_co	ENSG0000	393046	8232
OR2A7	1.64269	1.34877	1.71177	1.1525	1.93096	2.56307	olfactory receptor family 2 subfamily A member 7 [Source:HGNC	chr7:14395	NM_00100	.	.	.	NP_00100	XP_01688	protein_co	ENSG0000	107987545	8234
OR2AE1	0.089313	0	0	0	0.100349	0	olfactory receptor family 2 subfamily AE member 1 [Source:HGN	chr7:99473	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	81392	15087
OR2AG1	0	0	0	0	0	0	olfactory receptor family 2 subfamily AG member 1 (gene/pseud	chr11:6806	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	144125	15142
OR2AG2	0.086145	0	0.147729	0	0	0.177602	olfactory receptor family 2 subfamily AG member 2 [Source:HGN	chr11:6789	NM_00100	XM_01152	.	.	NP_00100	.	protein_co	ENSG0000	338755	15143
OR2AJ1	0	0	0	0	0	0	olfactory receptor family 2 subfamily AJ member 1 [Source:HGNC	chr1:24809	.		.	.	.	.	protein_co	ENSG0000	.	15001
OR2AK2	0	0	0	0	0	0	olfactory receptor family 2 subfamily AK member 2 [Source:HGN	chr1:24812	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	391191	19569
OR2AP1	0	0	0	0	0	0	olfactory receptor family 2 subfamily AP member 1 [Source:HGN	chr12:5596	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	121129	15335
OR2AT4	0	0	0.091825	0	0.121617	0	olfactory receptor family 2 subfamily AT member 4 [Source:HGN	chr11:7479	NM_00100	.	.	.	NP_00100	XP_01687	protein_co	ENSG0000	341152	19620
OR2B11	0	0	0	0	0	0	olfactory receptor family 2 subfamily B member 11 [Source:HGN	chr1:24761	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	127623	31249
OR2B2	0	0	0	0	0	0	olfactory receptor family 2 subfamily B member 2 [Source:HGNC	chr6:27878	NM_03305	.	.	.	NP_14904	.	protein_co	ENSG0000	81697	13966
OR2B3	0	0	0	0	0	0	olfactory receptor family 2 subfamily B member 3 [Source:HGNC	chr6:29054	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	442184	8238
OR2B6	0	0	0.297864	0.131023	0.127933	0	olfactory receptor family 2 subfamily B member 6 [Source:HGNC	chr6:27925	NM_01236	.	.	.	NP_03649	.	protein_co	ENSG0000	26212	8241
OR2C1	0	0	0	0	0	0	olfactory receptor family 2 subfamily C member 1 [Source:HGNC	chr16:3405	NM_01236	.	.	.	NP_03650	.	protein_co	ENSG0000	4993	8242
OR2C3	0	0	0	0	0	0	olfactory receptor family 2 subfamily C member 3 [Source:HGNC	chr1:24767	NM_19807	.	.	.	NP_93234	.	protein_co	ENSG0000	81472	15005
OR2D2	0	0	0	0	0	0	olfactory receptor family 2 subfamily D member 2 [Source:HGNC	chr11:6912	NM_00370	.	.	.	NP_00369	.	protein_co	ENSG0000	120776	8244
OR2D3	0	0	0	0	0	0	olfactory receptor family 2 subfamily D member 3 [Source:HGNC	chr11:6942	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	120775	15146
OR2F2	0	0	0	0	0	0	olfactory receptor family 2 subfamily F member 2 [Source:HGNC	chr7:14363	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	135948	8247
OR2G2	0	0	0	0	0	0	olfactory receptor family 2 subfamily G member 2 [Source:HGNC	chr1:24775	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	81470	15007
OR2G3	0	0	0	0	0	0	olfactory receptor family 2 subfamily G member 3 [Source:HGNC	chr1:24776	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	81469	15008
OR2G6	0	0	0	0	0	0	olfactory receptor family 2 subfamily G member 6 [Source:HGNC	chr1:24868	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	391211	27019
OR2H1	0	0	0	0	0	0	olfactory receptor family 2 subfamily H member 1 [Source:HGNC	chr6:29424	NM_00131	XM_01151	.	.	NP_00130	XP_01151	protein_co	ENSG0000	26716	8252
OR2H2	0	0	0	0	0	0	olfactory receptor family 2 subfamily H member 2 [Source:HGNC	chr6:29523	NM_00716	XM_01151	.	.	NP_00909	XP_01151	protein_co	ENSG0000	7932	8253
OR2J2	0	0	0	0	0	0	olfactory receptor family 2 subfamily J member 2 [Source:HGNC	chr6:29141	NM_03090	.	.	.	NP_11216	.	protein_co	ENSG0000	26707	8260
OR2J3	0	0	0	0	0	0	olfactory receptor family 2 subfamily J member 3 [Source:HGNC	chr6:29079	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	442186	8261
OR2K2	0	0	0	0	0.129555	0	olfactory receptor family 2 subfamily K member 2 [Source:HGNC	chr9:11408	NM_20585	XM_01151	.	.	NP_99558	XP_00525	protein_co	ENSG0000	26248	8264
OR2L13	0	0	0	0	0	0	olfactory receptor family 2 subfamily L member 13 [Source:HGN	chr1:24826	NM_00130	XM_01154	.	.	NP_00129	XP_01154	protein_co	ENSG0000	284521	19578
OR2L2	0	0	0	0	0	0	olfactory receptor family 2 subfamily L member 2 [Source:HGNC	chr1:24820	NM_00100	XM_01154	.	.	NP_00100	XP_01154	protein_co	ENSG0000	26246	8266
OR2L3	0	0	0	0	0	0	olfactory receptor family 2 subfamily L member 3 [Source:HGNC	chr1:24822	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	391192	15009
OR2L5	0	0	0	0	0	0	olfactory receptor family 2 subfamily L member 5 [Source:HGNC	chr1:24818	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	81466	15011
OR2M2	0	0	0	0	0	0	olfactory receptor family 2 subfamily M member 2 [Source:HGN	chr1:24834	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	391194	8268
OR2M3	0	0	0	0	0	0	olfactory receptor family 2 subfamily M member 3 [Source:HGN	chr1:24836	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	127062	8269
OR2M4	0	0	0	0	0	0	olfactory receptor family 2 subfamily M member 4 [Source:HGN	chr1:24840	NM_0175	.	.	.	NP_05997	.	protein_co	ENSG0000	26245	8270
OR2M5	0	0	0	0	0	0	olfactory receptor family 2 subfamily M member 5 [Source:HGN	chr1:24830	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	127059	19576
OR2M7	0	0	0	0	0	0	olfactory receptor family 2 subfamily M member 7 [Source:HGN	chr1:24848	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	391196	19594
OR2S2	0	0	0	0	0	0	olfactory receptor family 2 subfamily S member 2 (gene/pseudog	chr9:35957	NM_01989	.	.	.	NP_06395	.	protein_co	ENSG0000	56656	8276
OR2T1	0	0	0	0	0	0	olfactory receptor family 2 subfamily T member 1 [Source:HGNC	chr1:24856	NM_03090	.	.	.	NP_11216	.	protein_co	ENSG0000	26696	8277
OR2T10	0	0	0	0	0	0	olfactory receptor family 2 subfamily T member 10 [Source:HGN	chr1:24875	NM_00100	.	.	.	NP_00100	XP_01685	protein_co	ENSG0000	127069	19573
OR2T12	0	0	0	0	0	0	olfactory receptor family 2 subfamily T member 12 [Source:HGN	chr1:24845	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	127064	19592
OR2T2	0	0	0	0	0	0	olfactory receptor family 2 subfamily T member 2 [Source:HGNC	chr1:24861	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	401992	14725
OR2T27	0	0	0	0	0	0	olfactory receptor family 2 subfamily T member 27 [Source:HGN	chr1:24881	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	403239	31252
OR2T29	0	0	0	0	0	0	olfactory receptor family 2 subfamily T member 29 [Source:HGN	chr1:24872	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	343563	31253
OR2T3	0	0	0	0	0	0	olfactory receptor family 2 subfamily T member 3 [Source:HGNC	chr1:24863	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	343173	14727
OR2T33	0	0	0	0	0	0	olfactory receptor family 2 subfamily T member 33 [Source:HGN	chr1:24843	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	391195	31255
OR2T34	0	0	0	0	0	0	olfactory receptor family 2 subfamily T member 34 [Source:HGN	chr1:24873	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	127068	31256
OR2T35	0	0	0	0	0	0	olfactory receptor family 2 subfamily T member 35 [Source:HGN	chr1:24880	NM_00100	XM_01154	.	.	NP_00100	XP_01154	protein_co	ENSG0000	403244	31257
OR2T4	0	0	0	0	0	0	olfactory receptor family 2 subfamily T member 4 [Source:HGNC	chr1:24852	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	127074	15016
OR2T5	0	0	0	0	0	0	olfactory receptor family 2 subfamily T member 5 [Source:HGNC	chr1:24865	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	401993	15017

OR2T6	0	0	0	0	0	0	olfactory receptor family 2 subfamily T member 6 [Source:HGNC	chr1:24855	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	254879	15018
OR2T8	0	0	0	0	0	0	olfactory receptor family 2 subfamily T member 8 [Source:HGNC	chr1:24808	NM_00100	XM_01154	.	.	NP_00100	XP_005273	protein_co	ENSG0000	343172	15020
OR2V1	0	0	0	0	0	0	olfactory receptor family 2 subfamily V member 1 [Source:HGNC	chr5:18055	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	26693	8280
OR2V2	0	0	0	0	0	0	olfactory receptor family 2 subfamily V member 2 [Source:HGNC	chr5:18058	NM_20688	.	.	.	NP_99676	.	protein_co	ENSG0000	285659	15341
OR2W1	0	0	0	0	0	0	olfactory receptor family 2 subfamily W member 1 [Source:HGNC	chr6:29011	NM_03090	.	.	.	NP_11216	.	protein_co	ENSG0000	26692	8281
OR2W3	0	0	0	0	0	0	olfactory receptor family 2 subfamily W member 3 [Source:HGNC	chr1:24805	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	343171	15021
OR2Y1	0	0	0	0	0	0	olfactory receptor family 2 subfamily Y member 1 [Source:HGNC	chr5:18016	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	134083	14837
OR2Z1	0	0	0	0	0	0	olfactory receptor family 2 subfamily Z member 1 [Source:HGNC	chr19:8841	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	284383	15391
OR3A1	0	0	0	0	0	0	olfactory receptor family 3 subfamily A member 1 [Source:HGNC	chr17:3194	NM_00255	.	.	.	NP_00254	XP_01688	protein_co	ENSG0000	4994	8282
OR3A2	0	0	0	0	0	0	olfactory receptor family 3 subfamily A member 2 [Source:HGNC	chr17:3181	NM_00255	.	.	.	NP_00254	XP_01688	protein_co	ENSG0000	4995	8283
OR3A3	0	0	0	0	0	0	olfactory receptor family 3 subfamily A member 3 [Source:HGNC	chr17:3323	NM_01237	XM_01152	.	.	NP_03650	XP_011522	protein_co	ENSG0000	8392	8284
OR4A15	0	0	0	0	0	0	olfactory receptor family 4 subfamily A member 15 [Source:HGN	chr11:5513	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	81328	15152
OR4A16	0	0	0	0	0	0	olfactory receptor family 4 subfamily A member 16 [Source:HGN	chr11:5511	NM_00100	XM_01154	.	.	NP_00100	XP_011543	protein_co	ENSG0000	81327	15153
OR4A47	0	0	0	0	0	0	olfactory receptor family 4 subfamily A member 47 [Source:HGN	chr11:4851	NM_00100	XM_00671	.	.	NP_00100	XP_006718	protein_co	ENSG0000	403253	31266
OR4A5	0	0	0	0	0	0	olfactory receptor family 4 subfamily A member 5 [Source:HGNC	chr11:5141	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	81318	15162
OR4B1	0	0	0	0	0	0	olfactory receptor family 4 subfamily B member 1 [Source:HGNC	chr11:4823	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	119765	8290
OR4C11	0	0	0	0	0	0	olfactory receptor family 4 subfamily C member 11 [Source:HGN	chr11:5537	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	219429	15167
OR4C12	0	0	0	0	0	0	olfactory receptor family 4 subfamily C member 12 [Source:HGN	chr11:5000	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	283093	15168
OR4C13	0	0	0	0	0	0	olfactory receptor family 4 subfamily C member 13 [Source:HGN	chr11:4997	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	283092	15169
OR4C15	0	0	0	0	0	0	olfactory receptor family 4 subfamily C member 15 [Source:HGN	chr11:5532	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	81309	15171
OR4C3	0	0	0	0	0	0	olfactory receptor family 4 subfamily C member 3 [Source:HGNC	chr11:4834	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	256144	14697
OR4C46	0	0	0	0	0	0	olfactory receptor family 4 subfamily C member 46 [Source:HGN	chr11:5151	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	119749	31271
OR4C5	0	0	0	0	0	0	olfactory receptor family 4 subfamily C member 5 (gene/pseudog	chr11:4838	.	.	.	.	.	.	protein_co	ENSG0000	.	14702
OR4C6	0	0	0	0	0	0	olfactory receptor family 4 subfamily C member 6 [Source:HGNC	chr11:5543	NM_00100	XM_01154	.	.	NP_00100	XP_011543	protein_co	ENSG0000	219432	14743
OR4D1	0	0.09429	0	0	0	0	olfactory receptor family 4 subfamily D member 1 [Source:HGNC	chr17:5623	NM_01237	.	.	.	NP_03650	.	protein_co	ENSG0000	26689	8293
OR4D10	0	0	0	0	0	0	olfactory receptor family 4 subfamily D member 10 [Source:HGN	chr11:5924	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	390197	15173
OR4D11	0	0	0	0	0	0	olfactory receptor family 4 subfamily D member 11 [Source:HGN	chr11:5927	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	219986	15174
OR4D2	0	0	0	0	0	0	olfactory receptor family 4 subfamily D member 2 [Source:HGNC	chr17:5624	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	124538	8294
OR4D5	0	0	0	0	0	0	olfactory receptor family 4 subfamily D member 5 [Source:HGNC	chr11:1238	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	219875	14852
OR4D6	0	0	0	0	0	0	olfactory receptor family 4 subfamily D member 6 [Source:HGNC	chr11:5922	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	219983	15175
OR4D9	0	0	0	0	0	0	olfactory receptor family 4 subfamily D member 9 [Source:HGNC	chr11:5928	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	390199	15178
OR4E2	0	0	0	0	0	0	olfactory receptor family 4 subfamily E member 2 [Source:HGNC	chr14:2213	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	26686	8297
OR4F15	0	0	0	0	0	0	olfactory receptor family 4 subfamily F member 15 [Source:HGN	chr15:1023	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	390649	15078
OR4F16	0	0	0	0	0	0	olfactory receptor family 4 subfamily F member 16 [Source:HGN	chr1:62109	NM_00100	.	.	.	NP_00100	XP_016857	protein_co	ENSG0000	81399	15079
OR4F17	0	0	0	0	0	0	olfactory receptor family 4 subfamily F member 17 [Source:HGN	chr19:1074	NM_00100	XM_00525	.	.	NP_00100	XP_005259	protein_co	ENSG0000	81099	15381
OR4F21	0	0	0	0	0	0	olfactory receptor family 4 subfamily F member 21 [Source:HGN	chr8:11604	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	441308	19583
OR4F29	0	0	0	0	0	0	olfactory receptor family 4 subfamily F member 29 [Source:HGN	chr1:36763	NM_00100	.	.	.	NP_00100	XP_016857	protein_co	ENSG0000	729759	31275
OR4F3	0	0	0	0	0	0	olfactory receptor family 4 subfamily F member 3 [Source:HGNC	chr5:18079	NM_00100	.	.	.	NP_00100	XP_016857	protein_co	ENSG0000	81399	8300
OR4F4	0	0	0	0	0	0	olfactory receptor family 4 subfamily F member 4 [Source:HGNC	chr15:1024	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	26682	8301
OR4F5	0	0	0	0	0	0	olfactory receptor family 4 subfamily F member 5 [Source:HGNC	chr1:69090	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	79501	14825
OR4F6	0	0	0	0	0	0	olfactory receptor family 4 subfamily F member 6 [Source:HGNC	chr15:1023	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	390648	15372
OR4K1	0	0	0	0	0	0	olfactory receptor family 4 subfamily K member 1 [Source:HGNC	chr14:2040	NM_00100	XM_01153	.	.	NP_00100	XP_011535	protein_co	ENSG0000	79544	14726
OR4K13	0	0	0	0	0	0	olfactory receptor family 4 subfamily K member 13 [Source:HGN	chr14:2050	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	390433	15351
OR4K14	0	0	0	0	0	0	olfactory receptor family 4 subfamily K member 14 [Source:HGN	chr14:2048	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	122740	15352
OR4K15	0	0	0	0	0	0	olfactory receptor family 4 subfamily K member 15 [Source:HGN	chr14:2044	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	81127	15353
OR4K17	0	0	0	0	0	0	olfactory receptor family 4 subfamily K member 17 [Source:HGN	chr14:2058	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	390436	15355
OR4K2	0	0	0	0	0	0	olfactory receptor family 4 subfamily K member 2 [Source:HGNC	chr14:2034	NM_00100	XM_01153	.	.	NP_00100	XP_011535	protein_co	ENSG0000	390431	14728
OR4K5	0	0	0	0	0	0	olfactory receptor family 4 subfamily K member 5 [Source:HGNC	chr14:2038	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	79317	14745
OR4L1	0	0	0	0	0	0	olfactory receptor family 4 subfamily L member 1 [Source:HGNC	chr14:2052	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	122742	15356
OR4M1	0	0	0	0	0	0	olfactory receptor family 4 subfamily M member 1 [Source:HGNC	chr14:2024	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	441670	14735
OR4M2	0	0	0	0	0	0	olfactory receptor family 4 subfamily M member 2 [Source:HGNC	chr15:2236	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	390538	15373
OR4N2	0	0	0	0	0	0	olfactory receptor family 4 subfamily N member 2 [Source:HGNC	chr14:2029	NM_00100	XM_01153	.	.	NP_00100	XP_011535	protein_co	ENSG0000	390429	14742
OR4N4	0	0	0	0	0	0		chr15:22382381-22383507								ENSG00000183706		
OR4N5	0	0	0	0	0	0	olfactory receptor family 4 subfamily N member 5 [Source:HGNC	chr14:2061	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	390437	15358
OR4P4	0	0	0	0	0	0	olfactory receptor family 4 subfamily P member 4 [Source:HGNC	chr11:5540	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	81300	15180
OR4Q3	0	0	0	0	0	0	olfactory receptor family 4 subfamily Q member 3 [Source:HGNC	chr14:2021	NM_17219	.	.	.	NP_75194	.	protein_co	ENSG0000	441669	15426
OR4S1	0	0	0	0	0	0	olfactory receptor family 4 subfamily S member 1 [Source:HGNC	chr11:4832	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	256148	14705
OR4S2	0	0	0	0	0	0	olfactory receptor family 4 subfamily S member 2 [Source:HGNC	chr11:5541	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	219431	15183
OR4X1	0	0	0	0	0	0	olfactory receptor family 4 subfamily X member 1 (gene/pseudog	chr11:4828	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	390113	14854

OR51A2	0	0	0	0	0	0	olfactory receptor family 51 subfamily A member 2 [Source:HGN	chr11:4788	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	401667	14764
OR51A4	0	0	0	0	0	0	olfactory receptor family 51 subfamily A member 4 [Source:HGN	chr11:4788	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	401666	14795
OR51A7	0	0	0	0	0	0	olfactory receptor family 51 subfamily A member 7 [Source:HGN	chr11:4788	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	119687	15188
OR51B4	19.8716	21.5782	27.2871	8.08436	9.85119	13.0931	olfactory receptor family 51 subfamily B member 4 [Source:HGN	chr11:5269	NM_03317	.	.	.	NP_14941	.	protein_co	ENSG0000	79339	14708
OR51B5	16.0679	15.2831	12.1033	7.15447	9.6257	6.00342	olfactory receptor family 51 subfamily B member 5 [Source:HGN	chr11:5269	NM_0010	XM_01152	.	.	NP_00100	XP_011518	protein_co	ENSG0000	282763	19599
OR51B6	0	0	0	0	0	0	olfactory receptor family 51 subfamily B member 6 [Source:HGN	chr11:5269	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390058	19600
OR51D1	0	0	0	0	0	0	olfactory receptor family 51 subfamily D member 1 [Source:HGN	chr11:4660	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390038	15193
OR51E1	0	0	0	0	0	0	olfactory receptor family 51 subfamily E member 1 [Source:HGN	chr11:4664	NM_15243	XM_00525	.	.	NP_68964	.	protein_co	ENSG0000	143503	15194
OR51E2	0	0	0	0	0	0	olfactory receptor family 51 subfamily E member 2 [Source:HGN	chr11:4701	NM_03077	.	.	.	NP_11040	.	protein_co	ENSG0000	81285	15195
OR51F2	0	0	0	0	0	0	olfactory receptor family 51 subfamily F member 2 [Source:HGN	chr11:4788	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	119694	15197
OR51G2	0	0	0	0	0	0	olfactory receptor family 51 subfamily G member 2 [Source:HGN	chr11:4788	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	81282	15198
OR51H1	0	0	0	0	0	0	olfactory receptor family 51 subfamily H member 1 [Source:HGN	chr11:4788	.		.	.	.		protein_co	ENSG0000	.	14833
OR51I1	1.07168	0.751143	1.11577	0.531761	0.66227	0.601454	olfactory receptor family 51 subfamily I member 1 [Source:HGNC	chr11:5269	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390063	15200
OR51I2	0	0	0	0	0	0	olfactory receptor family 51 subfamily I member 2 [Source:HGNC	chr11:5269	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390064	15201
OR51J1	0	0	0	0	0	0	olfactory receptor family 51 subfamily J member 1 (gene/pseudo	chr11:5269	.		.	.	.		protein_co	ENSG0000	.	14856
OR51L1	0	0	0	0	0	0	olfactory receptor family 51 subfamily L member 1 [Source:HGN	chr11:5020	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	119682	14759
OR51M1	0	0	0	0	0	0	olfactory receptor family 51 subfamily M member 1 [Source:HGN	chr11:5269	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390059	14847
OR51Q1	0	0.105803	0	0	0	0	olfactory receptor family 51 subfamily Q member 1 (gene/pseud	chr11:5269	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390061	14851
OR51S1	0	0	0	0	0	0	olfactory receptor family 51 subfamily S member 1 [Source:HGN	chr11:4788	NM_0010	XM_01151	.	.	NP_00100	XP_011518	protein_co	ENSG0000	119692	15204
OR51T1	0	0	0	0	0	0	olfactory receptor family 51 subfamily T member 1 [Source:HGN	chr11:4788	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	401665	15205
OR51V1	0	0	0	0	0	0	olfactory receptor family 51 subfamily V member 1 [Source:HGN	chr11:5220	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	283111	19597
OR52A1	0.054529	0	0	0	0	0	olfactory receptor family 52 subfamily A member 1 [Source:HGN	chr11:5172	NM_01237	.	.	.	NP_03650	.	protein_co	ENSG0000	23538	8318
OR52A5	0	0	0	0	0	0	olfactory receptor family 52 subfamily A member 5 [Source:HGN	chr11:5152	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390054	19580
OR52B2	0	0	0	0	0	0	olfactory receptor family 52 subfamily B member 2 [Source:HGN	chr11:6190	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	255725	15207
OR52B6	0	0	0	0	0	0	olfactory receptor family 52 subfamily B member 6 [Source:HGN	chr11:5269	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	340980	15211
OR52D1	0	0.207388	0	0.21933	0	0	olfactory receptor family 52 subfamily D member 1 [Source:HGN	chr11:5269	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390066	15212
OR52E2	0	0	0	0	0	0	olfactory receptor family 52 subfamily E member 2 [Source:HGN	chr11:5079	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	119678	14769
OR52E4	0	0	0	0	0	0	olfactory receptor family 52 subfamily E member 4 [Source:HGN	chr11:5905	NM_0010	XM_01152	.	.	NP_00100	XP_011518	protein_co	ENSG0000	390081	15213
OR52E5	0	0	0	0	0	0	olfactory receptor family 52 subfamily E member 5 [Source:HGN	chr11:5922	.		.	.	.		protein_co	ENSG0000	.	15214
OR52E6	0	0	0	0	0	0	olfactory receptor family 52 subfamily E member 6 [Source:HGN	chr11:5684	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390078	15215
OR52E8	0	0	0	0	0	0	olfactory receptor family 52 subfamily E member 8 [Source:HGN	chr11:5684	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390079	15217
OR52H1	0	0	0	0	0	0	olfactory receptor family 52 subfamily H member 1 [Source:HGN	chr11:5269	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390067	15218
OR52I1	0	0	0	0	0	0	olfactory receptor family 52 subfamily I member 1 [Source:HGNC	chr11:4614	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390037	15220
OR52I2	0	0	0	0	0	0	olfactory receptor family 52 subfamily I member 2 [Source:HGNC	chr11:4608	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	143502	15221
OR52J3	0	0	0	0	0	0	olfactory receptor family 52 subfamily J member 3 [Source:HGNC	chr11:5067	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	119679	14799
OR52K1	0	0	0	0	0	0	olfactory receptor family 52 subfamily K member 1 [Source:HGN	chr11:4510	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390036	15222
OR52K2	0	0	0	0	0	0	olfactory receptor family 52 subfamily K member 2 [Source:HGN	chr11:4470	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	119774	15223
OR52L1	0	0	0	0	0	0	olfactory receptor family 52 subfamily L member 1 [Source:HGNC	chr11:6007	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	338751	14785
OR52M1	0	0	0	0	0	0	olfactory receptor family 52 subfamily M member 1 [Source:HGN	chr11:4566	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	119772	15225
OR52N1	0	0	0	0	0	0	olfactory receptor family 52 subfamily N member 1 [Source:HGN	chr11:5684	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	79473	14853
OR52N2	0	0	0	0	0	0	olfactory receptor family 52 subfamily N member 2 [Source:HGN	chr11:5684	NM_0010	XM_01152	.	.	NP_00100	XP_011518	protein_co	ENSG0000	390077	15228
OR52N4	0.105249	0	0	0	0	0	olfactory receptor family 52 subfamily N member 4 (gene/pseud	chr11:5684	NM_0010	XM_01152	.	.	NP_00100	XP_011518	protein_co	ENSG0000	390072	15230
OR52N5	0	0	0	0	0	0	olfactory receptor family 52 subfamily N member 5 [Source:HGN	chr11:5684	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390075	15231
OR52W1	0	0	0	0	0	0	olfactory receptor family 52 subfamily W member 1 [Source:HGN	chr11:6220	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	120787	15239
OR56A1	0	0	0	0	0	0	olfactory receptor family 56 subfamily A member 1 [Source:HGN	chr11:6047	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	120796	14781
OR56A3	0	0	0	0	0	0	olfactory receptor family 56 subfamily A member 3 [Source:HGN	chr11:5968	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390083	14786
OR56A4	0	0	0	0	0	0	olfactory receptor family 56 subfamily A member 4 [Source:HGN	chr11:6023	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	120793	14791
OR56A5	0	0	0	0	0	0	olfactory receptor family 56 subfamily A member 5 [Source:HGN	chr11:5988	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	390084	14792
OR56B1	0	0	0	0	0	0	olfactory receptor family 56 subfamily B member 1 [Source:HGN	chr11:5684	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	387748	15245
OR56B4	0	0	0	0	0	0	olfactory receptor family 56 subfamily B member 4 [Source:HGN	chr11:6128	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	196335	15248
OR5A1	0	0	0	0	0	0	olfactory receptor family 5 subfamily A member 1 [Source:HGNC	chr11:5921	NM_0010	XM_01154	.	.	NP_00100	XP_011543	protein_co	ENSG0000	219982	8319
OR5A2	0	0	0	0	0	0	olfactory receptor family 5 subfamily A member 2 [Source:HGNC	chr11:5918	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	219981	15249
OR5AC2	0	0	0	0	0	0	olfactory receptor family 5 subfamily AC member 2 [Source:HGN	chr3:97806	NM_0541	.	.	.	NP_47344	.	protein_co	ENSG0000	81050	15431
OR5AK2	0	0	0	0	0	0	olfactory receptor family 5 subfamily AK member 2 [Source:HGN	chr11:5675	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390181	15251
OR5AN1	0	0	0	0	0	0	olfactory receptor family 5 subfamily AN member 1 [Source:HGN	chr11:5913	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390195	15255
OR5AP2	0	0	0	0	0	0	olfactory receptor family 5 subfamily AP member 2 [Source:HGN	chr11:5640	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	338675	15258
OR5AS1	0	0	0	0	0	0	olfactory receptor family 5 subfamily AS member 1 [Source:HGN	chr11:5579	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	219447	15261
OR5AU1	0	0	0	0	0	0	olfactory receptor family 5 subfamily AU member 1 [Source:HGN	chr14:2162	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390445	15362
OR5B12	0	0	0	0	0	0	olfactory receptor family 5 subfamily B member 12 [Source:HGN	chr11:5820	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390191	15432

OR5B17	0	0	0	0	0	0	olfactory receptor family 5 subfamily B member 17 [Source:HGN	chr11:5812	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	219965	15267
OR5B2	0	0	0	0	0	0	olfactory receptor family 5 subfamily B member 2 [Source:HGNC	chr11:5818	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390190	8323
OR5B21	0	0	0	0	0	0	olfactory receptor family 5 subfamily B member 21 [Source:HGN	chr11:5827	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	219968	19616
OR5B3	0	0	0	0	0	0	olfactory receptor family 5 subfamily B member 3 [Source:HGNC	chr11:5816	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	441608	8324
OR5C1	0	0	0	0	0	0	olfactory receptor family 5 subfamily C member 1 [Source:HGNC	chr9:12555	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	392391	8331
OR5D14	0	0	0	0	0	0	olfactory receptor family 5 subfamily D member 14 [Source:HGN	chr11:5556	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	219436	15281
OR5D16	0	0	0	0	0	0	olfactory receptor family 5 subfamily D member 16 [Source:HGN	chr11:5560	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390144	15283
OR5D18	0	0	0	0	0	0	olfactory receptor family 5 subfamily D member 18 [Source:HGN	chr11:5558	NM_0010	XM_01154	.	.	NP_00100	XP_011543	protein_co	ENSG0000	219438	15285
OR5F1	0	0	0	0	0	0	olfactory receptor family 5 subfamily F member 1 [Source:HGNC	chr11:5576	NM_00369	.	.	.	NP_00368	.	protein_co	ENSG0000	338674	8343
OR5H1	0	0	0	0	0	0	olfactory receptor family 5 subfamily H member 1 [Source:HGNC	chr3:97851	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	26341	8346
OR5H14	0	0	0	0	0	0	olfactory receptor family 5 subfamily H member 14 [Source:HGN	chr3:97868	NM_0010	XM_01151	.	.	NP_00100	XP_011511	protein_co	ENSG0000	403273	31286
OR5H15	0	0	0	0	0	0	olfactory receptor family 5 subfamily H member 15 [Source:HGN	chr3:97887	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	403274	31287
OR5H2	0	0	0	0	0	0	olfactory receptor family 5 subfamily H member 2 [Source:HGNC	chr3:98001	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	79310	14752
OR5H6	0	0	0	0	0	0	olfactory receptor family 5 subfamily H member 6 (gene/pseudog	chr3:97983	NM_0010	XM_01151	.	.	NP_00100	XP_011511	protein_co	ENSG0000	79295	14767
OR5I1	0	0	0	0	0	0	olfactory receptor family 5 subfamily I member 1 [Source:HGNC S	chr11:5570	NM_00663	.	.	.	NP_00662	.	protein_co	ENSG0000	10798	8347
OR5J2	0	0	0	0	0	0	olfactory receptor family 5 subfamily J member 2 [Source:HGNC S	chr11:5594	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	282775	19612
OR5K1	0	0	0	0	0	0	olfactory receptor family 5 subfamily K member 1 [Source:HGNC	chr3:98188	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	26339	8349
OR5K2	0	0	0	0	0	0	olfactory receptor family 5 subfamily K member 2 [Source:HGNC	chr3:98216	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	402135	14774
OR5K3	0	0	0	0	0	0	olfactory receptor family 5 subfamily K member 3 [Source:HGNC	chr3:98109	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	403277	31290
OR5K4	0	0	0	0	0	0	olfactory receptor family 5 subfamily K member 4 [Source:HGNC	chr3:98072	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	403278	31291
OR5L2	0	0	0	0	0	0	olfactory receptor family 5 subfamily L member 2 [Source:HGNC	chr11:5559	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	26338	8351
OR5M1	0	0	0	0	0	0	olfactory receptor family 5 subfamily M member 1 [Source:HGNC	chr11:5638	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390168	8352
OR5M10	0	0	0	0	0	0	olfactory receptor family 5 subfamily M member 10 [Source:HGN	chr11:5634	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390167	15290
OR5M11	0	0	0	0	0	0	olfactory receptor family 5 subfamily M member 11 [Source:HGN	chr11:5630	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	219487	15291
OR5M3	0	0	0	0	0	0	olfactory receptor family 5 subfamily M member 3 [Source:HGNC	chr11:5623	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	219482	14806
OR5M8	0	0	0	0	0	0	olfactory receptor family 5 subfamily M member 8 [Source:HGNC	chr11:5625	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	219484	14846
OR5M9	0	0	0	0	0	0	olfactory receptor family 5 subfamily M member 9 [Source:HGNC	chr11:5622	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390162	15294
OR5P2	0	0	0	0	0	0	olfactory receptor family 5 subfamily P member 2 [Source:HGNC	chr11:7817	NM_15344	.	.	.	NP_70314	.	protein_co	ENSG0000	120065	14783
OR5P3	0	0	0	0	0	0	olfactory receptor family 5 subfamily P member 3 [Source:HGNC	chr11:7846	NM_15344	.	.	.	NP_70314	.	protein_co	ENSG0000	120066	14784
OR5T1	0	0	0	0	0	0	olfactory receptor family 5 subfamily T member 1 [Source:HGNC	chr11:5604	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390155	14821
OR5T2	0	0	0	0	0	0	olfactory receptor family 5 subfamily T member 2 [Source:HGNC	chr11:5599	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	219464	15296
OR5T3	0	0	0	0	0	0	olfactory receptor family 5 subfamily T member 3 [Source:HGNC	chr11:5601	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390154	15297
OR5V1	0	0	0	0	0	0	olfactory receptor family 5 subfamily V member 1 [Source:HGNC	chr6:29323	NM_03087	XM_01151	.	.	NP_11050	XP_011513	protein_co	ENSG0000	81696	13972
OR5W2	0	0	0	0	0	0	olfactory receptor family 5 subfamily W member 2 [Source:HGNC	chr11:5568	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390148	15299
OR6A2	0	0.098922	0	0	0	0	olfactory receptor family 6 subfamily A member 2 [Source:HGNC	chr11:6815	NM_00369	.	.	.	NP_00368	.	protein_co	ENSG0000	8590	15301
OR6B1	0	0	0	0	0	0	olfactory receptor family 6 subfamily B member 1 [Source:HGNC	chr7:14370	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	135946	8354
OR6B2	0	0	0	0	0	0	olfactory receptor family 6 subfamily B member 2 [Source:HGNC	chr2:24096	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	389090	15041
OR6B3	0	0	0	0	0	0	olfactory receptor family 6 subfamily B member 3 [Source:HGNC	chr2:24098	NM_17335	.	.	.	NP_77548	.	protein_co	ENSG0000	150681	15042
OR6C1	0	0	0	0	0	0	olfactory receptor family 6 subfamily C member 1 [Source:HGNC	chr12:5571	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390321	8355
OR6C2	0	0	0	0	0	0	olfactory receptor family 6 subfamily C member 2 [Source:HGNC	chr12:5584	NM_0541	.	.	.	NP_47344	.	protein_co	ENSG0000	341416	15436
OR6C3	0	0	0	0	0	0	olfactory receptor family 6 subfamily C member 3 [Source:HGNC	chr12:5572	NM_0541	.	.	.	NP_47344	.	protein_co	ENSG0000	254786	15437
OR6C4	0	0	0	0	0	0	olfactory receptor family 6 subfamily C member 4 [Source:HGNC	chr12:5594	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	341418	19632
OR6C6	0	0	0	0	0	0	olfactory receptor family 6 subfamily C member 6 [Source:HGNC	chr12:5568	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	283365	31293
OR6C65	0	0	0	0	0	0	olfactory receptor family 6 subfamily C member 65 [Source:HGN	chr12:5579	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	403282	31295
OR6C68	0	0	0	0	0	0	olfactory receptor family 6 subfamily C member 68 [Source:HGN	chr12:5588	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	403284	31297
OR6C70	0	0	0	0	0	0	olfactory receptor family 6 subfamily C member 70 [Source:HGN	chr12:5586	NM_0010	XM_01153	.	.	NP_00100	XP_011536	protein_co	ENSG0000	390327	31299
OR6C74	0	0	0	0	0	0	olfactory receptor family 6 subfamily C member 74 [Source:HGN	chr12:5564	NM_0010	XM_01153	.	.	NP_00100	XP_011536	protein_co	ENSG0000	254783	31303
OR6C75	0	0	0	0	0	0	olfactory receptor family 6 subfamily C member 75 [Source:HGN	chr12:5575	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390323	31304
OR6C76	0	0	0	0	0	0	olfactory receptor family 6 subfamily C member 76 [Source:HGN	chr12:5582	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390326	31305
OR6F1	0	0	0	0	0	0	olfactory receptor family 6 subfamily F member 1 [Source:HGNC	chr1:24787	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	343169	15027
OR6J1	0	0	0	0	0	0	olfactory receptor family 6 subfamily J member 1 (gene/pseudog	chr14:2310	.	.	.	.	.	.	protein_co	ENSG0000	.	14707
OR6K2	0	0	0	0	0	0	olfactory receptor family 6 subfamily K member 2 [Source:HGNC	chr1:15866	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	81448	15029
OR6K3	0	0	0	0	0	0	olfactory receptor family 6 subfamily K member 3 [Source:HGNC	chr1:15868	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	391114	15030
OR6K6	0	0	0	0	0	0	olfactory receptor family 6 subfamily K member 6 [Source:HGNC	chr1:15872	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	128371	15033
OR6M1	0	0	0	0	0	0	olfactory receptor family 6 subfamily M member 1 [Source:HGNC	chr11:1236	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	390261	14711
OR6N1	0	0	0	0	0	0	olfactory receptor family 6 subfamily N member 1 [Source:HGNC	chr1:15873	NM_0010	.	.	.	NP_00100	XP_016855	protein_co	ENSG0000	128372	15034
OR6N2	0	0	0	0	0	0	olfactory receptor family 6 subfamily N member 2 [Source:HGNC	chr1:15874	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	81442	15035
OR6P1	0	0	0	0	0	0	olfactory receptor family 6 subfamily P member 1 [Source:HGNC	chr1:15853	NM_0011	.	.	.	NP_00115	.	protein_co	ENSG0000	128366	15036
OR6Q1	0	0	0	0	0	0	olfactory receptor family 6 subfamily Q member 1 (gene/pseudog	chr11:5777	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	219952	15302

OR6S1	0	0	0	0	0	0	olfactory receptor family 6 subfamily S member 1 [Source:HGNC	chr14:2110	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	341799	15363
OR6T1	0	0	0	0	0	0	olfactory receptor family 6 subfamily T member 1 [Source:HGNC	chr11:1238	NM_00100	XM_01154	.	.	NP_00100	.	protein_co	ENSG0000	219874	14848
OR6V1	0	0	0	0	0	0	olfactory receptor family 6 subfamily V member 1 [Source:HGNC	chr7:14274	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	346517	15090
OR6X1	0	0	0	0	0	0	olfactory receptor family 6 subfamily X member 1 [Source:HGNC	chr11:1236	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	390260	14737
OR6Y1	0	0	0	0	0	0	olfactory receptor family 6 subfamily Y member 1 [Source:HGNC	chr1:15851	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	391112	14823
OR7A10	0	0	0	0	0	0	olfactory receptor family 7 subfamily A member 10 [Source:HGN	chr19:1495	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	390892	8356
OR7A17	0	0	0	0	0	0	olfactory receptor family 7 subfamily A member 17 [Source:HGN	chr19:1499	NM_03090	.	.	.	NP_11216	.	protein_co	ENSG0000	26333	8363
OR7A5	0	0	0	0	0	0	olfactory receptor family 7 subfamily A member 5 [Source:HGNC	chr19:1493	NM_01750	XM_01152	.	.	NP_05997	XP_011526	protein_co	ENSG0000	26659	8368
OR7C1	0	0	0	0	0	0	olfactory receptor family 7 subfamily C member 1 [Source:HGNC	chr19:1490	NM_19894	XM_00525	.	.	NP_94518	XP_005259	protein_co	ENSG0000	26664	8373
OR7C2	0	0	0	0	0	0	olfactory receptor family 7 subfamily C member 2 [Source:HGNC	chr19:1505	NM_01237	.	.	.	NP_03650	.	protein_co	ENSG0000	26658	8374
OR7D2	0.030253	0	0.026099	0.033984	0.067163	0.090778	olfactory receptor family 7 subfamily D member 2 [Source:HGNC	chr19:9296	NM_17588	.	.	.	NP_78707	.	protein_co	ENSG0000	162998	8378
OR7D4	0	0	0	0	0	0	olfactory receptor family 7 subfamily D member 4 [Source:HGNC	chr19:9324	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	125958	8380
OR7E24	0	0	0	0	0	0	olfactory receptor family 7 subfamily E member 24 [Source:HGN	chr19:9361	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	26648	8396
OR7G1	0	0	0	0	0	0	olfactory receptor family 7 subfamily G member 1 [Source:HGNC	chr19:9225	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	125962	8465
OR7G2	0	0	0	0	0	0	olfactory receptor family 7 subfamily G member 2 [Source:HGNC	chr19:9212	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	390882	8466
OR7G3	0	0	0	0	0	0	olfactory receptor family 7 subfamily G member 3 [Source:HGNC	chr19:9236	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	390883	8467
OR8A1	0	0	0	0	0	0	olfactory receptor family 8 subfamily A member 1 [Source:HGNC	chr11:1244	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	390275	8469
OR8B12	0	0	0	0	0	0	olfactory receptor family 8 subfamily B member 12 [Source:HGN	chr11:1244	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	219858	15307
OR8B2	0	0	0	0	0	0	olfactory receptor family 8 subfamily B member 2 [Source:HGNC	chr11:1242	NM_00100	.	.	.	NP_00100	XP_016873	protein_co	ENSG0000	26595	8471
OR8B3	0	0	0	0	0	0	olfactory receptor family 8 subfamily B member 3 [Source:HGNC	chr11:1242	NM_00100	XM_01154	.	.	NP_00100	XP_011541	protein_co	ENSG0000	390271	8472
OR8B4	0	0	0	0	0	0	olfactory receptor family 8 subfamily B member 4 (gene/pseudog	chr11:1242	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	283162	8473
OR8B8	0	0	0	0	0	0	olfactory receptor family 8 subfamily B member 8 [Source:HGNC	chr11:1243	NM_01237	.	.	.	NP_03651	.	protein_co	ENSG0000	26493	8477
OR8D1	0	0	0	0	0	0	olfactory receptor family 8 subfamily D member 1 [Source:HGNC	chr11:1241	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	283159	8481
OR8D4	0	0	0	0	0	0	olfactory receptor family 8 subfamily D member 4 [Source:HGNC	chr11:1237	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	338662	14840
OR8G1	0	0	0	0	0	0	olfactory receptor family 8 subfamily G member 1 (gene/pseudog	chr11:1241	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	26494	8484
OR8G5	0	0	0	0	0	0	olfactory receptor family 8 subfamily G member 5 [Source:HGNC	chr11:1241	NM_00100	XM_01154	.	.	NP_00100	XP_011540	protein_co	ENSG0000	219865	19622
OR8H1	0	0	0	0	0	0	olfactory receptor family 8 subfamily H member 1 [Source:HGNC	chr11:5605	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	219469	14824
OR8H2	0	0	0	0	0	0	olfactory receptor family 8 subfamily H member 2 [Source:HGNC	chr11:5587	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	390151	15308
OR8H3	0	0	0	0	0	0	olfactory receptor family 8 subfamily H member 3 [Source:HGNC	chr11:5588	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	390152	15309
OR8I2	0	0	0	0	0	0	olfactory receptor family 8 subfamily I member 2 [Source:HGNC S	chr11:5586	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	120586	15310
OR8J1	0	0	0	0	0	0	olfactory receptor family 8 subfamily J member 1 [Source:HGNC S	chr11:5612	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	219477	14855
OR8J3	0	0	0	0	0	0	olfactory receptor family 8 subfamily J member 3 [Source:HGNC S	chr11:5590	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	81168	15312
OR8K1	0	0	0	0	0	0	olfactory receptor family 8 subfamily K member 1 [Source:HGNC	chr11:5611	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	390157	14831
OR8K5	0	0	0	0	0	0	olfactory receptor family 8 subfamily K member 5 [Source:HGNC	chr11:5592	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	219453	15315
OR8S1	0	0	0	0	0	0	olfactory receptor family 8 subfamily S member 1 [Source:HGNC	chr12:4891	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	341568	19628
OR8U1	0	0	0	0	0	0	olfactory receptor family 8 subfamily U member 1 [Source:HGNC	chr11:5614	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	504190	19611
OR9A2	0	0	0	0	0	0	olfactory receptor family 9 subfamily A member 2 [Source:HGNC	chr7:14272	NM_00100	XM_01151	.	.	NP_00100	XP_011514	protein_co	ENSG0000	135924	15093
OR9A4	0	0	0	0	0	0	olfactory receptor family 9 subfamily A member 4 [Source:HGNC	chr7:14161	NM_00100	XM_01151	.	.	NP_00100	XP_011514	protein_co	ENSG0000	130075	15095
OR9G1	0	0	0	0	0	0	olfactory receptor family 9 subfamily G member 1 [Source:HGNC	chr11:5646	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	390174	15319
OR9G4	0	0	0	0	0	0	olfactory receptor family 9 subfamily G member 4 [Source:HGNC	chr11:5651	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	283189	15322
OR9I1	0	0	0	0	0	0	olfactory receptor family 9 subfamily I member 1 [Source:HGNC S	chr11:5779	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	219954	14718
OR9K2	0	0	0	0	0	0	olfactory receptor family 9 subfamily K member 2 [Source:HGNC	chr12:5552	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	441639	15339
OR9Q1	0	0	0	0	0	0	olfactory receptor family 9 subfamily Q member 1 [Source:HGNC	chr11:5779	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	219956	14724
OR9Q2	0	0	0	0	0	0	olfactory receptor family 9 subfamily Q member 2 [Source:HGNC	chr11:5795	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	219957	15328
ORAI1	15.2247	14.9305	15.6589	16.7502	14.6287	14.8686	ORAI calcium release-activated calcium modulator 1 [Source:HGN	chr12:1220	NM_03279	.	.	.	NP_11617	.	protein_co	ENSG0000	.	25896
ORAI2	6.59206	5.34768	7.10573	5.26221	4.24457	3.96726	ORAI calcium release-activated calcium modulator 2 [Source:HGN	chr7:10207	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	80228	21667
ORAI3	5.42081	6.09748	8.19952	5.65512	3.51267	6.4314	ORAI calcium release-activated calcium modulator 3 [Source:HGN	chr16:3096	NM_15228	.	.	.	NP_68950	.	protein_co	ENSG0000	93129	28185
ORAOV1	10.9505	12.4772	11.279	11.0819	11.7083	7.6249	oral cancer overexpressed 1 [Source:HGNC Symbol;Acc:HGNC:17	chr11:6945	NM_15345	XM_00671	.	.	NP_70315	XP_006718	protein_co	ENSG0000	220064	17589
ORC1	16.1174	16.241	11.628	18.6981	17.421	11.63	origin recognition complex subunit 1 [Source:HGNC Symbol;Acc:H	chr1:52838	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	4998	8487
ORC2	12.2166	12.8015	13.002	10.615	12.8472	11.7301	origin recognition complex subunit 2 [Source:HGNC Symbol;Acc:H	chr2:20177	NM_00619	XM_01151	.	.	NP_00618	XP_006712	protein_co	ENSG0000	4999	8488
ORC3	18.7782	16.6571	16.0698	19.2159	20.1766	15.0955	origin recognition complex subunit 3 [Source:HGNC Symbol;Acc:H	chr6:88299	NM_00119	XM_01701	.	.	NP_00118	XP_005248	protein_co	ENSG0000	23595	8489
ORC4	5.65447	4.76259	5.44669	5.04868	6.4037	6.73844	origin recognition complex subunit 4 [Source:HGNC Symbol;Acc:H	chr2:14860	NM_00119	XM_01151	.	.	NP_00117	XP_006712	protein_co	ENSG0000	5000	8490
ORC5	17.4822	17.8797	16.0335	22.5674	25.6706	16.5656	origin recognition complex subunit 5 [Source:HGNC Symbol;Acc:H	chr7:10376	NM_00255	.	.	.	NP_00254	.	protein_co	ENSG0000	5001	8491
ORC6	26.707	26.3016	21.3043	31.1594	29.1313	23.8487	origin recognition complex subunit 6 [Source:HGNC Symbol;Acc:H	chr16:4672	NM_01432	.	.	.	NP_05513	.	protein_co	ENSG0000	23594	17151
ORM1	0.170287	0.520697	0.978664	0.279734	0.682024	0.271955	orosomucoid 1 [Source:HGNC Symbol;Acc:HGNC:8498]	chr9:11708	NM_00060	.	.	.	NP_00059	.	protein_co	ENSG0000	5004	8498
ORM2	0.563434	0	0.166757	0	0.215411	0.200392	orosomucoid 2 [Source:HGNC Symbol;Acc:HGNC:8499]	chr9:11709	NM_00060	.	.	.	NP_00059	.	protein_co	ENSG0000	5005	8499
ORMDL1	26.5781	26.4482	23.8729	23.2594	26.4622	23.3914	ORMDL sphingolipid biosynthesis regulator 1 [Source:HGNC Symb	chr2:19063	NM_00112	XM_01151	.	.	NP_00112	XP_005247	protein_co	ENSG0000	94101	16036
ORMDL2	28.6741	28.835	28.0863	26.6651	29.2006	24.7234	ORMDL sphingolipid biosynthesis regulator 2 [Source:HGNC Symb	chr12:5613	NM_01418	.	.	.	NP_05490	.	protein_co	ENSG0000	29095	16037
ORMDL3	27.4556	25.5227	31.4113	24.4644	25.1754	23.0093	ORMDL sphingolipid biosynthesis regulator 3 [Source:HGNC Symb	chr17:3807	NM_00132	XM_01702	.	.	NP_00130	XP_005257	protein_co	ENSG0000	94103	16038

OS9	63.633	64.771	43.8976	55.3849	47.6742	51.5055	OS9, endoplasmic reticulum lectin [Source:HGNC Symbol;Acc:HG	chr12:5808	NM_00101	XM_00671	.	.	NP_00101	XP_005268	protein_co	ENSG0000	10956	16994
OSBP	27.9967	28.7307	25.1412	26.9273	27.8883	26.3046	oxysterol binding protein [Source:HGNC Symbol;Acc:HGNC:8503]	chr11:5934	NM_00255	.	.	.	NP_00254	.	protein_co	ENSG0000	5007	8503
OSBP2	7.19648	7.64374	7.7532	6.79787	6.90569	6.5601	oxysterol binding protein 2 [Source:HGNC Symbol;Acc:HGNC:850	chr22:3108	NM_00128	XM_01702	.	.	NP_00126	XP_005261	protein_co	ENSG0000	23762	8504
OSBPL10	5.67305	6.75176	5.9357	6.29481	6.3296	6.51178	oxysterol binding protein like 10 [Source:HGNC Symbol;Acc:HGN	chr3:31699	NM_00117	XM_01153	.	.	NP_00116	XP_005264	protein_co	ENSG0000	114884	16395
OSBPL11	6.05297	7.16857	6.48746	7.38096	7.54602	6.94297	oxysterol binding protein like 11 [Source:HGNC Symbol;Acc:HGN	chr3:12524	NM_02277	.	.	.	NP_07361	.	protein_co	ENSG0000	114885	16397
OSBPL1A	6.75489	7.31155	8.2374	7.94734	7.63265	8.26766	oxysterol binding protein like 1A [Source:HGNC Symbol;Acc:HGN	chr18:2174	NM_00124	XM_00672	.	.	NP_00122	XP_006722	protein_co	ENSG0000	114876	16398
OSBPL2	9.7509	10.0488	10.7462	8.34708	8.10183	10.0934	oxysterol binding protein like 2 [Source:HGNC Symbol;Acc:HGNC:	chr20:6081	NM_00127	XM_01702	.	.	NP_00126	XP_016883	protein_co	ENSG0000	9885	15761
OSBPL3	13.1503	13.1158	15.1275	13.904	14.6378	12.6434	oxysterol binding protein like 3 [Source:HGNC Symbol;Acc:HGNC:	chr7:24836	NM_01555	XM_01151	.	.	NP_05636	XP_005249	protein_co	ENSG0000	26031	16370
OSBPL5	11.0441	11.856	12.4207	8.98499	8.82211	10.4475	oxysterol binding protein like 5 [Source:HGNC Symbol;Acc:HGNC:	chr11:3108	NM_00114	XM_01151	.	.	NP_00113	XP_011518	protein_co	ENSG0000	114879	16392
OSBPL6	4.17871	3.8073	3.12782	4.30791	4.51523	6.87057	oxysterol binding protein like 6 [Source:HGNC Symbol;Acc:HGNC:	chr2:17905	NM_00120	XM_01700	.	.	NP_00118	XP_005246	protein_co	ENSG0000	114880	16388
OSBPL7	4.61809	5.39254	5.17986	2.55679	3.07832	2.86275	oxysterol binding protein like 7 [Source:HGNC Symbol;Acc:HGNC:	chr17:4588	NM_14579	XM_01152	.	.	NP_66574	XP_011522	protein_co	ENSG0000	114881	16387
OSBPL8	17.5003	17.8191	20.6363	18.9592	25.6529	32.5604	oxysterol binding protein like 8 [Source:HGNC Symbol;Acc:HGNC:	chr12:7674	NM_00100	XM_01701	.	.	NP_00100	XP_005268	protein_co	ENSG0000	114882	16396
OSBPL9	29.2386	28.9372	25.7121	25.4223	25.6413	25.3496	oxysterol binding protein like 9 [Source:HGNC Symbol;Acc:HGNC:	chr1:52042	NM_02458	XM_01700	.	.	NP_07886	XP_006710	protein_co	ENSG0000	114883	16386
OSCAR	0.210118	0.30116	0.316886	0.163645	0.086744	0.288622	osteoclast associated, immunoglobulin-like receptor [Source:HGN	chr19:5459	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	126014	29960
OSCP1	3.14267	2.87602	3.04794	3.61136	2.12299	2.63708	organic solute carrier partner 1 [Source:HGNC Symbol;Acc:HGNC:	chr1:36883	NM_14504	XM_01154	.	.	NP_65948	XP_005270	protein_co	ENSG0000	127700	29971
OSER1	24.1314	22.5971	19.1058	23.5767	21.5061	19.7998	oxidative stress responsive serine rich 1 [Source:HGNC Symbol;Ac	chr20:4282	NM_01647	XM_01152	.	.	NP_05755	XP_005260	protein_co	ENSG0000	51526	16105
OSGEP	10.1741	11.1177	7.5168	9.52364	8.72684	7.48183	O-sialoglycoprotein endopeptidase [Source:HGNC Symbol;Acc:HG	chr14:2091	NM_01780	XM_01153	.	.	NP_06027	.	protein_co	ENSG0000	55644	18028
OSGEPL1	7.24351	7.00154	5.80238	6.52061	7.36666	6.60734	O-sialoglycoprotein endopeptidase-like 1 [Source:HGNC Symbol;A	chr2:19061	NM_02235	XM_01700	.	.	NP_07174	XP_005246	protein_co	ENSG0000	64172	23075
OSGIN1	10.6993	10.5397	6.97762	8.30899	6.97981	8.16022	oxidative stress induced growth inhibitor 1 [Source:HGNC Symbo	chr16:8393	NM_18298	.	.	.	NP_89202	.	protein_co	ENSG0000	29948	30093
OSGIN2	17.5402	18.0643	22.8125	20.3454	21.8152	24.9876	oxidative stress induced growth inhibitor family member 2 [Sourc	chr8:90914	NM_00112	XM_01151	.	.	NP_00111	XP_011515	protein_co	ENSG0000	734	1355
OSM	0	0.222628	0.077233	0	0	0	oncostatin M [Source:HGNC Symbol;Acc:HGNC:8506]	chr22:3065	NM_02053	XM_01153	.	.	NP_00130	XP_011528	protein_co	ENSG0000	5008	8506
OSMR	15.8731	16.4591	19.1844	13.6185	14.8916	18.1054	oncostatin M receptor [Source:HGNC Symbol;Acc:HGNC:8507]	chr5:38845	NM_00116	XM_01151	.	.	NP_00116	XP_005248	protein_co	ENSG0000	9180	8507
OSR1	1.01514	1.73183	1.36989	2.5751	1.86226	3.13781	odd-skipped related transciption factor 1 [Source:HGNC Symbol;A	chr2:19551	NM_14526	XM_00671	.	.	NP_66030	XP_006712	protein_co	ENSG0000	130497	8111
OSR2	6.06598	5.86693	7.05106	6.93052	6.84735	5.34794	odd-skipped related transciption factor 2 [Source:HGNC Symbol;A	chr8:99956	NM_00114	XM_01151	.	.	NP_00113	XP_005250	protein_co	ENSG0000	116039	15830
OST4	213.362	212.862	213.963	237.137	198.941	202.282	oligosaccharyltransferase complex subunit 4, non-catalytic [Sourc	chr2:27274	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	100128731	32483
OSTC	117.081	101.846	107.579	108.803	115.369	121.86	oligosaccharyltransferase complex non-catalytic subunit [Source:	chr4:10957	NM_00126	.	.	.	NP_00125	.	protein_co	ENSG0000	58505	24448
OSTF1	10.7473	9.84413	10.6996	14.3495	10.9501	10.3093	osteoclast stimulating factor 1 [Source:HGNC Symbol;Acc:HGNC:8	chr9:77703	NM_01238	XM_01151	.	.	NP_03651	XP_006717	protein_co	ENSG0000	26578	8510
OSTM1	2.59156	2.76135	3.40309	3.5138	2.68184	3.36444	osteopetrosis associated transmembrane protein 1 [Source:HGN	chr6:10836	NM_01402	XM_01153	.	.	NP_05474	.	protein_co	ENSG0000	28962	21652
OSTN	0	0	0	0	0	0	osteocrin [Source:HGNC Symbol;Acc:HGNC:29961]	chr3:19091	NM_19818	XM_00524	.	.	NP_93782	XP_005247	protein_co	ENSG0000	344901	29961
OTC	0.148458	0.157115	0.258641	0.168102	0.166138	0.147258	ornithine carbamoyltransferase [Source:HGNC Symbol;Acc:HGNC	chrX:37208	NM_00053	.	.	.	NP_00052	.	protein_co	ENSG0000	5009	8512
OTOA	0.027594	0.028165	0.095393	0.060437	0.06267	0.058243	otoancorin [Source:HGNC Symbol;Acc:HGNC:16378]	chr16:2168	NM_00116	XM_01154	.	.	NP_00115	XP_011544	protein_co	ENSG0000	146183	16378
OTOF	0	0.01304	0	0	0	0.01459	otoferlin [Source:HGNC Symbol;Acc:HGNC:8515]	chr2:26680	NM_00128	XM_01153	.	.	NP_00127	XP_016860	protein_co	ENSG0000	9381	8515
OTOG	0	0.008644	0.014949	0.018672	0	0.008319	otogelin [Source:HGNC Symbol;Acc:HGNC:8516]	chr11:1756	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	340990	8516
OTOGL	0	0	0	0.010556	0	0	otogelin like [Source:HGNC Symbol;Acc:HGNC:26901]	chr12:8060	NM_17359	XM_01153	.	.	NP_77586	XP_005268	protein_co	ENSG0000	283310	26901
OTOL1	0	0	0	0	0	0	otolin 1 [Source:HGNC Symbol;Acc:HGNC:34071]	chr3:16121	NM_00108	XM_00524	.	.	NP_00107	XP_005247	protein_co	ENSG0000	131149	34071
OTOP1	0	0	0.038664	0	0.051726	0.048067	otopetrin 1 [Source:HGNC Symbol;Acc:HGNC:19656]	chr4:41905	NM_17799	.	.	.	NP_81905	.	protein_co	ENSG0000	133060	19656
OTOP2	0.042672	0	0.036411	0	0.049253	0.046524	otopetrin 2 [Source:HGNC Symbol;Acc:HGNC:19657]	chr17:7292	NM_17816	XM_01152	.	.	NP_83545	XP_011523	protein_co	ENSG0000	92736	19657
OTOP3	0	0	0	0	0	0	otopetrin 3 [Source:HGNC Symbol;Acc:HGNC:19658]	chr17:7293	NM_00127	XM_01152	.	.	NP_00125	XP_011523	protein_co	ENSG0000	347741	19658
OTOR	0	0	0	0	0	0	otoraplin [Source:HGNC Symbol;Acc:HGNC:8517]	chr20:1672	NM_02015	XM_00526	.	.	NP_06454	XP_005260	protein_co	ENSG0000	56914	8517
OTOS	0	0	0	0	0	0	otospiralin [Source:HGNC Symbol;Acc:HGNC:22644]	chr2:24107	NM_14896	.	.	.	NP_68376	XP_016858	protein_co	ENSG0000	150677	22644
OTP	0.031154	0.030873	0.026563	0.067809	0.035971	0.033713	orthopedia homeobox [Source:HGNC Symbol;Acc:HGNC:8518]	chr5:76924	NM_03210	.	.	.	NP_11548	.	protein_co	ENSG0000	23440	8518
OTUB1	63.4062	72.4862	67.7121	75.7558	60.5867	52.06	OTU deubiquitinase, ubiquitin aldehyde binding 1 [Source:HGNC	chr11:6374	NM_01767	.	NR_00308	.	NP_06014	.	protein_co	ENSG0000	55611	23077
OTUB2	7.30264	7.80826	8.79601	4.76348	4.91599	4.69232	OTU deubiquitinase, ubiquitin aldehyde binding 2 [Source:HGNC	chr14:9449	NM_02311	.	.	.	NP_07560	XP_005268	protein_co	ENSG0000	78990	20351
OTUD1	3.48418	2.99699	2.37339	1.80033	2.78681	4.23849	OTU deubiquitinase 1 [Source:HGNC Symbol;Acc:HGNC:27346]	chr10:2372	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	220213	27346
OTUD3	6.47995	7.41661	8.8499	6.62883	7.42385	8.385	OTU deubiquitinase 3 [Source:HGNC Symbol;Acc:HGNC:29038]	chr1:20209	NM_01520	XM_01154	.	.	NP_05602	XP_005245	protein_co	ENSG0000	23252	29038
OTUD4	13.5607	15.3782	13.0824	11.05	12.6453	12.5252	OTU deubiquitinase 4 [Source:HGNC Symbol;Acc:HGNC:24949]	chr4:14605	NM_00110	XM_01153	.	.	NP_00109	XP_005263	protein_co	ENSG0000	54726	24949
OTUD5	20.2584	18.9422	21.5772	21.3361	18.2181	18.1458	OTU deubiquitinase 5 [Source:HGNC Symbol;Acc:HGNC:25402]	chrX:48779	NM_00113	XM_01154	.	.	NP_00112	XP_005272	protein_co	ENSG0000	55593	25402
OTUD6A	0	0	0	0	0	0	OTU deubiquitinase 6A [Source:HGNC Symbol;Acc:HGNC:32312]	chrX:69282	NM_20732	.	.	.	NP_99720	.	protein_co	ENSG0000	139562	32312
OTUD6B	18.0953	18.7646	16.117	19.8797	22.0199	16.6845	OTU domain containing 6B [Source:HGNC Symbol;Acc:HGNC:242	chr8:92082	NM_00128	XM_01151	.	.	NP_00127	XP_011515	protein_co	ENSG0000	51633	24281
OTUD7A	0.270161	0.266926	0.399661	0.157913	0.298425	0.370578	OTU deubiquitinase 7A [Source:HGNC Symbol;Acc:HGNC:20718]	chr15:3176	NM_13090	XM_01152	.	.	NP_57097	.	protein_co	ENSG0000	161725	20718
OTUD7B	4.9525	5.75285	5.66577	5.61944	6.36457	5.60759	OTU deubiquitinase 7B [Source:HGNC Symbol;Acc:HGNC:16683]	chr1:14990	NM_02020	XM_01150	.	.	NP_06459	XP_011508	protein_co	ENSG0000	56957	16683
OTULIN	5.10332	5.72092	5.60944	5.00284	6.09329	5.63106	OTU deubiquitinase with linear linkage specificity [Source:HGNC S	chr5:14664	NM_13834	XM_01151	.	.	NP_61235	XP_011512	protein_co	ENSG0000	90268	25118
OTX1	6.65217	6.40669	7.47954	5.81999	5.48399	6.25677	orthodenticle homeobox 1 [Source:HGNC Symbol;Acc:HGNC:852	chr2:63277	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	5013	8521
OTX2	0	0	0	0	0	0	orthodenticle homeobox 2 [Source:HGNC Symbol;Acc:HGNC:852	chr14:5726	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	5015	8522
OVCA2	40.1202	33.0879	27.423	40.3088	29.3982	28.1726	ovarian tumor suppressor candidate 2 [Source:HGNC Symbol;Acc	chr17:1933	NM_08082	.	.	.	NP_54301	.	protein_co	ENSG0000	124641	24203
OVCH1	0	0	0	0	0	0	ovochymase 1 [Source:HGNC Symbol;Acc:HGNC:23080]	chr12:2958	NM_18337	.	.	.	NP_89923	.	protein_co	ENSG0000	341350	23080
OVCH2	0	0	0	0	0	0	ovochymase 2 (gene/pseudogene) [Source:HGNC Symbol;Acc:HG	chr11:7710	NM_19818	XM_01152	.	.	NP_93782	XP_016873	protein_co	ENSG0000	341277	29970
OVGP1	2.09249	1.47425	2.24359	1.6066	1.3359	2.48012	oviductal glycoprotein 1 [Source:HGNC Symbol;Acc:HGNC:8524]	chr1:11195	NM_00255	.	.	.	NP_00254	.	protein_co	ENSG0000	5016	8524
OVOL1	5.85925	5.89862	5.98527	8.36141	8.60025	7.36563	ovo like transcriptional repressor 1 [Source:HGNC Symbol;Acc:HG	chr11:6555	NM_00456	XM_01154	.	.	NP_00455	XP_005274	protein_co	ENSG0000	5017	8525

OVOL2	0.307104	0.703209	0.664266	0.491032	0.47603	0.505615	ovo like zinc finger 2 [Source:HGNC Symbol;Acc:HGNC:15804]	chr20:1800	NM_02122	.	.	.	NP_06704	.	protein_co	ENSG0000	58495	15804
OVOL3	0	0.17815	0.155189	0	0.215473	0.20496	ovo like zinc finger 3 [Source:HGNC Symbol;Acc:HGNC:14186]	chr19:3660	NM_00130	XM_01702	.	.	NP_00128	XP_016882	protein_co	ENSG0000	728361	14186
OVOS2	0.668214	0.505602	0.622662	0.652157	0.648557	0.941646		chr12:3126	.	XM_01702	.	.	.	XP_016875	protein_co	ENSG0000	144203, 40	.
OXA1L	134.079	124.914	135.069	69.1424	62.4114	59.8108	OXA1L, mitochondrial inner membrane protein [Source:HGNC Sy	chr14:2323	NM_00501	.	.	.	NP_00500	.	protein_co	ENSG0000	5018	8526
OXCT1	20.481	21.3497	21.2871	24.5416	27.8233	23.3933	3-oxoacid CoA-transferase 1 [Source:HGNC Symbol;Acc:HGNC:85	chr5:41730	NM_00043	.	.	.	NP_00042	.	protein_co	ENSG0000	5019	8527
OXCT2	0.611998	0.476502	0.634538	0.609228	0.526254	0.454006	3-oxoacid CoA-transferase 2 [Source:HGNC Symbol;Acc:HGNC:18	chr1:40204	NM_02212	.	.	.	NP_07140	.	protein_co	ENSG0000	64064	18606
OXER1	0	0	0	0	0	0	oxoeicosanoid receptor 1 [Source:HGNC Symbol;Acc:HGNC:2488	chr2:42989	NM_14896	.	.	.	NP_68376	.	protein_co	ENSG0000	165140	24884
OXGR1	0	0	0	0	0	0	oxoglutarate receptor 1 [Source:HGNC Symbol;Acc:HGNC:4531]	chr13:9763	NM_08081	XM_01152	.	.	NP_54300	XP_005254	protein_co	ENSG0000	27199	4531
OXLD1	48.0035	48.0277	48.9414	51.8807	37.5765	38.3176	oxidoreductase like domain containing 1 [Source:HGNC Symbol;A	chr17:7963	NM_00103	.	NR_13093	.	NP_00103	.	protein_co	ENSG0000	339229	27901
OXNAD1	7.7585	7.77854	6.64256	8.34742	7.89645	7.83685	oxidoreductase NAD binding domain containing 1 [Source:HGNC	chr3:16306	NM_13838	XM_01700	.	.	NP_61239	XP_006713	protein_co	ENSG0000	92106	25128
OXR1	13.8684	11.8993	12.638	13.167	13.786	19.7206	oxidation resistance 1 [Source:HGNC Symbol;Acc:HGNC:15822]	chr8:10737	NM_00119	XM_01701	.	.	NP_00118	XP_006716	protein_co	ENSG0000	55074	15822
OXSM	25.0906	18.2523	19.2915	26.1128	19.5642	24.6765	3-oxoacyl-ACP synthase, mitochondrial [Source:HGNC Symbol;Ac	chr3:25831	NM_00114	XM_00671	.	.	NP_00113	XP_006713	protein_co	ENSG0000	54995	26063
OXSR1	16.7327	18.3751	18.0023	14.6356	17.2839	16.522	oxidative stress responsive 1 [Source:HGNC Symbol;Acc:HGNC:85	chr3:38206	NM_00510	XM_01153	.	.	NP_00510	XP_005265	protein_co	ENSG0000	9943	8508
OXT	0	0	0	0	0	0	oxytocin/neurophysin I prepropeptide [Source:HGNC Symbol;Acc	chr20:3052	NM_00091	XM_01152	.	.	NP_00090	XP_011527	protein_co	ENSG0000	5020	8528
OXTR	0.757059	0.769478	0.964885	0.446185	0.768778	0.457887	oxytocin receptor [Source:HGNC Symbol;Acc:HGNC:8529]	chr3:87920	NM_00091	XM_01153	.	.	NP_00090	XP_011532	protein_co	ENSG0000	5021	8529
P2RX1	0	0	0	0	0	0	purinergic receptor P2X 1 [Source:HGNC Symbol;Acc:HGNC:8533	chr17:3799	NM_00255	XM_01152	.	.	NP_00254	XP_006721	protein_co	ENSG0000	5023	8533
P2RX2	0	0	0	0	0	0	purinergic receptor P2X 2 [Source:HGNC Symbol;Acc:HGNC:1545	chr12:1331	NM_00128	XM_01153	.	.	NP_00126	XP_005266	protein_co	ENSG0000	22953	15459
P2RX3	0	0	0	0	0	0	purinergic receptor P2X 3 [Source:HGNC Symbol;Acc:HGNC:8534	chr11:5710	NM_00255	XM_01154	.	.	NP_00255	XP_011543	protein_co	ENSG0000	5024	8534
P2RX4	8.31821	7.65838	7.87842	8.02456	8.39829	8.81124	purinergic receptor P2X 4 [Source:HGNC Symbol;Acc:HGNC:8535	chr12:1216	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	5025	8535
P2RX5	5.52969	5.55395	5.10161	5.72028	5.40445	3.70687	purinergic receptor P2X 5 [Source:HGNC Symbol;Acc:HGNC:8536	chr17:3575	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	5026	8536
P2RX6	0.058089	0	0	0.083699	0.092884	0.043912	purinergic receptor P2X 6 [Source:HGNC Symbol;Acc:HGNC:8538	chr22:2136	NM_00115	XM_01153	.	.	NP_00115	XP_005261	protein_co	ENSG0000	9127	8538
P2RX7	0.284697	0.338552	0.469462	0.512691	0.351361	0.360687	purinergic receptor P2X 7 [Source:HGNC Symbol;Acc:HGNC:8537	chr12:1215	NM_00256	XM_01153	.	.	NP_00255	XP_011536	protein_co	ENSG0000	5027	8537
P2RY1	1.12116	1.11103	1.24357	1.01009	1.2541	1.19586	purinergic receptor P2Y1 [Source:HGNC Symbol;Acc:HGNC:8539]	chr3:15255	NM_00256	.	.	.	NP_00255	.	protein_co	ENSG0000	5028	8539
P2RY10	0	0	0	0	0	0	purinergic receptor P2Y10 [Source:HGNC Symbol;Acc:HGNC:1990	chrX:78200	NM_01449	XM_00526	.	.	NP_00131	XP_005262	protein_co	ENSG0000	27334	19906
P2RY11	11.0519	10.9118	9.41008	15.1481	12.3821	14.4473	purinergic receptor P2Y11 [Source:HGNC Symbol;Acc:HGNC:8540	chr19:1021	NM_00256	.	.	.	NP_00255	.	protein_co	ENSG0000	5032	8540
P2RY12	0	0	0	0	0	0	purinergic receptor P2Y12 [Source:HGNC Symbol;Acc:HGNC:1812	chr3:15080	NM_02278	.	.	.	NP_07362	XP_016862	protein_co	ENSG0000	64805	18124
P2RY13	0	0	0	0	0	0	purinergic receptor P2Y13 [Source:HGNC Symbol;Acc:HGNC:4537	chr3:15080	NM_17689	XM_00671	.	.	NP_79571	XP_006713	protein_co	ENSG0000	53829	4537
P2RY14	0	0	0	0	0	0	purinergic receptor P2Y14 [Source:HGNC Symbol;Acc:HGNC:1644	chr3:15080	NM_00108	XM_01151	.	.	NP_00107	XP_005247	protein_co	ENSG0000	9934	16442
P2RY2	3.21481	2.29989	2.65678	3.15263	2.27955	1.98976	purinergic receptor P2Y2 [Source:HGNC Symbol;Acc:HGNC:8541]	chr11:7292	NM_00256	XM_01154	.	.	NP_00255	XP_005274	protein_co	ENSG0000	5029	8541
P2RY4	0	0.191617	0.107861	0.068165	0.072465	0.067704	pyrimidinergic receptor P2Y4 [Source:HGNC Symbol;Acc:HGNC:8	chrX:69478	NM_00256	.	.	.	NP_00255	.	protein_co	ENSG0000	5030	8542
P2RY6	0.082138	0.572136	0.384605	0.661644	0.571884	0.563156	pyrimidinergic receptor P2Y6 [Source:HGNC Symbol;Acc:HGNC:8	chr11:7297	NM_00127	XM_01154	.	.	NP_00126	XP_005274	protein_co	ENSG0000	5031	8543
P2RY8	0	0	0	0	0	0	purinergic receptor P2Y8 [Source:HGNC Symbol;Acc:HGNC:15524	chrX:15814	NM_17812	XM_01154	.	.	NP_83523	XP_005274	protein_co	ENSG0000	286530	15524
P3H1	12.9619	12.9951	12.9294	12.3138	10.0761	11.2729	prolyl 3-hydroxylase 1 [Source:HGNC Symbol;Acc:HGNC:19316]	chr1:43212	NM_00114	XM_01154	.	.	NP_00113	XP_005271	protein_co	ENSG0000	64175	19316
P3H2	0.288589	0.344254	0.555549	0.051643	0.175618	0.376268	prolyl 3-hydroxylase 2 [Source:HGNC Symbol;Acc:HGNC:19317]	chr3:18967	NM_00113	XM_01151	.	.	NP_00112	XP_011511	protein_co	ENSG0000	55214	19317
P3H3	14.1233	16.2398	11.1376	11.3716	9.2991	8.23449	prolyl 3-hydroxylase 3 [Source:HGNC Symbol;Acc:HGNC:19318]	chr12:6937	NM_01426	.	.	.	NP_05507	.	protein_co	ENSG0000	10536	19318
P3H4	11.3856	11.8511	11.1001	11.1433	9.72207	10.5854	prolyl 3-hydroxylase family member 4 (non-enzymatic) [Source:H	chr17:3995	NM_00645	XM_00672	.	.	NP_00644	XP_006721	protein_co	ENSG0000	10609	16946
P4HA1	17.2665	18.1888	18.9918	14.4709	15.9345	23.4219	prolyl 4-hydroxylase subunit alpha 1 [Source:HGNC Symbol;Acc:H	chr10:7476	NM_00091	.	.	.	NP_00090	.	protein_co	ENSG0000	5033	8546
P4HA2	16.359	16.9379	14.2661	15.9964	13.6596	11.9082	prolyl 4-hydroxylase subunit alpha 2 [Source:HGNC Symbol;Acc:H	chr5:13152	NM_00101	XM_01154	.	.	NP_00101	XP_005272	protein_co	ENSG0000	8974	8547
P4HA3	0.356507	0.251233	0.425615	0.240218	0.094139	0.374007	prolyl 4-hydroxylase subunit alpha 3 [Source:HGNC Symbol;Acc:H	chr11:7397	NM_00128	XM_01154	.	.	NP_00127	.	protein_co	ENSG0000	283208	30135
P4HB	645.348	643.578	450.174	590.878	519.561	545.815	prolyl 4-hydroxylase subunit beta [Source:HGNC Symbol;Acc:HGN	chr17:7980	NM_00091	.	.	.	NP_00090	.	protein_co	ENSG0000	5034	8548
P4HTM	25.6836	23.9412	21.808	21.634	20.4424	19.7535	prolyl 4-hydroxylase, transmembrane [Source:HGNC Symbol;Acc:	chr3:49027	NM_17793	.	.	.	NP_80880	.	protein_co	ENSG0000	54681	28858
PA2G4	232.682	239.872	185.149	292.805	250.229	170.457	proliferation-associated 2G4 [Source:HGNC Symbol;Acc:HGNC:85	chr12:5647	NM_00619	.	.	.	NP_00618	.	protein_co	ENSG0000	5036	8550
PAAF1	8.62748	8.11555	9.22964	9.92184	7.76171	6.5813	proteasomal ATPase associated factor 1 [Source:HGNC Symbol;A	chr11:7358	NM_00126	XM_01154	.	.	NP_00125	XP_005274	protein_co	ENSG0000	80227	25687
PABPC1	823.393	809.732	877.85	790.823	766.927	862.161	poly(A) binding protein cytoplasmic 1 [Source:HGNC Symbol;Acc:	chr8:10171	NM_00256	XM_00525	NR_10699	.	NP_00255	XP_00525	protein_co	ENSG0000	102466854	8554
PABPC1L	31.386	27.5883	29.0138	13.8038	15.4885	25.7084	poly(A) binding protein cytoplasmic 1 like [Source:HGNC Symbol;	chr20:4353	NM_00112	XM_01152	.	.	NP_00111	XP_011527	protein_co	ENSG0000	80336	15797
PABPC1L2A	0	0	0	0	0	0	poly(A) binding protein cytoplasmic 1 like 2A [Source:HGNC Symb	chrX:72297	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	340529	27989
PABPC1L2B	0	0	0	0	0	0	poly(A) binding protein cytoplasmic 1 like 2B [Source:HGNC Symb	chrX:72223	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	645974	31852
PABPC3	36.6233	33.1536	38.9207	31.8401	36.1291	37.9162	poly(A) binding protein cytoplasmic 3 [Source:HGNC Symbol;Acc:	chr13:2567	NM_03097	.	.	.	NP_11224	.	protein_co	ENSG0000	5042	8556
PABPC4	103.75	104.794	101.436	118.721	116.024	100.788	poly(A) binding protein cytoplasmic 4 [Source:HGNC Symbol;Acc:	chr1:40026	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	8761	8557
PABPC4L	0	0	0	0	0	0	poly(A) binding protein cytoplasmic 4 like [Source:HGNC Symbol;	chr4:13511	NM_00111	XM_01700	.	.	NP_00110	XP_016863	protein_co	ENSG0000	132430	31955
PABPC5	0	0	0	0	0	0	poly(A) binding protein cytoplasmic 5 [Source:HGNC Symbol;Acc:	chrX:90689	NM_08083	.	.	.	NP_54302	.	protein_co	ENSG0000	140886	13629
PABPN1	112.933	107.485	110.186	132.682	111.605	108.347	poly(A) binding protein nuclear 1 [Source:HGNC Symbol;Acc:HGN	chr14:2377	NM_00464	.	.	.	NP_00463	.	protein_co	ENSG0000	8106	8565
PABPN1L	0.173429	0.294721	0.454355	0.305482	0.135671	0	poly(A) binding protein nuclear 1 like, cytoplasmic [Source:HGNC	chr16:8892	NM_00108	XM_01152	.	.	NP_00107	XP_011521	protein_co	ENSG0000	390748	37237
PACRG	0.482275	0.122427	0.255182	0.709835	0.715636	0.361966	PARK2 coregulated [Source:HGNC Symbol;Acc:HGNC:19152]	chr6:16176	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	135138	19152
PACRGL	16.2752	17.9863	15.7484	16.4666	13.2627	10.6366	PARK2 coregulated like [Source:HGNC Symbol;Acc:HGNC:28442]	chr4:20702	NM_00113	XM_01151	.	.	NP_00112	XP_011512	protein_co	ENSG0000	133015	28442
PACS1	11.6766	14.4813	14.9938	12.5191	11.83	11.4474	phosphofurin acidic cluster sorting protein 1 [Source:HGNC Symb	chr11:6583	NM_01802	XM_01154	.	.	NP_06049	XP_011543	protein_co	ENSG0000	55690	30032
PACS2	13.3015	13.7954	16.0643	13.4767	12.4083	12.8404	phosphofurin acidic cluster sorting protein 2 [Source:HGNC Symb	chr14:1056	NM_00110	XM_01702	.	.	NP_00109	XP_006720	protein_co	ENSG0000	23241	23794
PACSIN1	2.46883	2.5916	2.90726	3.12996	2.59781	1.96008	protein kinase C and casein kinase substrate in neurons 1 [Source	chr6:34433	NM_00119	XM_01151	.	.	NP_00118	XP_011512	protein_co	ENSG0000	29993	8570
PACSIN2	23.0481	23.4334	22.961	24.0338	23.3184	28.0424	protein kinase C and casein kinase substrate in neurons 2 [Source	chr22:4326	NM_00118	XM_01702	.	.	NP_00117	XP_005261	protein_co	ENSG0000	11252	8571

PACSIN3	31.6722	31.34	30.3656	40.9772	35.7456	26.1704	protein kinase C and casein kinase substrate in neurons 3 [Source	chr11:4719	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	29763	8572
PADI1	0.017637	0.017817	0.045876	0	0	0.018869	peptidyl arginine deiminase 1 [Source:HGNC Symbol;Acc:HGNC:1	chr1:17531	NM_01335	XM_01700	.	.	NP_03749	XP_016856	protein_co	ENSG0000	29943	18367
PADI2	0.771228	0.848596	1.54643	1.03366	1.09173	0.927723	peptidyl arginine deiminase 2 [Source:HGNC Symbol;Acc:HGNC:1	chr1:17393	NM_00736	XM_01154	.	.	NP_03139	.	protein_co	ENSG0000	11240	18341
PADI3	0.450418	0.476991	3.33394	0.396286	0.172282	0.389377	peptidyl arginine deiminase 3 [Source:HGNC Symbol;Acc:HGNC:1	chr1:17575	NM_01623	XM_01154	.	.	NP_05731	XP_011539	protein_co	ENSG0000	51702	18337
PADI4	0	0.05656	0.048858	0.030542	0.064997	0.030541	peptidyl arginine deiminase 4 [Source:HGNC Symbol;Acc:HGNC:1	chr1:17634	NM_01238	XM_01154	.	.	NP_03651	XP_011539	protein_co	ENSG0000	23569	18368
PADI6	0	0	0	0	0	0	peptidyl arginine deiminase 6 [Source:HGNC Symbol;Acc:HGNC:2	chr1:17698	NM_20742	.	.	.	NP_99730	.	protein_co	ENSG0000	353238	20449
PAEP	0	0	0	0	0	0	progestagen associated endometrial protein [Source:HGNC Symb	chr9:13845	NM_00101	XM_01151	.	.	NP_00101	XP_011517	protein_co	ENSG0000	5047	8573
PAF1	26.8394	27.9754	22.9309	31.4643	27.4546	23.8389	PAF1 homolog, Paf1/RNA polymerase II complex component [Sou	chr19:3987	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	54623	25459
PAFAH1B1	30.0673	31.3037	25.7042	30.9441	32.8493	29.8678	platelet activating factor acetylhydrolase 1b regulatory subunit 1	chr17:2497	NM_00043	XM_01702	.	.	NP_00042	XP_011522	protein_co	ENSG0000	5048	8574
PAFAH1B2	53.9956	54.8226	53.6312	57.9021	56.9449	63.0565	platelet activating factor acetylhydrolase 1b catalytic subunit 2 [S	chr11:1170	NM_00118	.	.	.	NP_00117	XP_016873	protein_co	ENSG0000	5049	8575
PAFAH1B3	55.449	57.1916	57.2269	85.8171	66.9237	58.125	platelet activating factor acetylhydrolase 1b catalytic subunit 3 [S	chr19:4280	NM_00114	.	.	.	NP_00113	XP_016882	protein_co	ENSG0000	5050	8576
PAFAH2	6.51856	7.35176	6.3187	7.46869	7.63816	7.41911	platelet activating factor acetylhydrolase 2 [Source:HGNC Symbol	chr1:26286	NM_00043	XM_01154	.	.	NP_00042	XP_006710	protein_co	ENSG0000	5051	8579
PAG1	0.529033	0.580684	0.57701	0.719436	0.827677	0.922527	phosphoprotein membrane anchor with glycosphingolipid microd	chr8:81880	NM_01844	XM_01701	.	.	NP_06091	XP_011515	protein_co	ENSG0000	55824	30043
PAGE1	0	0	0	0	0	0	PAGE family member 1 [Source:HGNC Symbol;Acc:HGNC:4107]	chrX:49452	NM_00378	XM_01154	.	.	NP_00377	XP_011542	protein_co	ENSG0000	8712	4107
PAGE2	0.184601	0	0.123881	0	0	0	PAGE family member 2 [Source:HGNC Symbol;Acc:HGNC:31804]	chrX:55115	NM_20733	XM_01699	.	.	NP_99722	XP_016855	protein_co	ENSG0000	389860	31804
PAGE2B	0	0	0.12795	0	0	0.148996	PAGE family member 2B [Source:HGNC Symbol;Acc:HGNC:31805	chrX:55101	NM_00101	XM_01153	.	.	NP_00101	XP_011507	protein_co	ENSG0000	389860	31805
PAGE3	0	0	0	0	0	0	PAGE family member 3 [Source:HGNC Symbol;Acc:HGNC:4110]	chrX:55284	NM_00101	XM_01153	.	.	NP_00101	XP_016884	protein_co	ENSG0000	139793	4110
PAGE4	0.526712	0.399867	0.816216	0.292962	0.44702	0.410957	PAGE family member 4 [Source:HGNC Symbol;Acc:HGNC:4108]	chrX:49593	NM_00700	XM_00527	.	.	NP_00130	XP_005272	protein_co	ENSG0000	9506	4108
PAGE5	0	0	0	0	0	0	PAGE family member 5 [Source:HGNC Symbol;Acc:HGNC:29992]	chrX:55246	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	90737	29992
PAGR1	30.8315	33.5808	23.4079	31.1002	29.0258	20.2688	PAXIP1 associated glutamate rich protein 1 [Source:HGNC Symbo	chr16:2982	NM_02451	.	.	.	NP_07879	.	protein_co	ENSG0000	79447	28707
PAH	0.28117	0.106339	0.17781	0.278137	0.18295	0.298237	phenylalanine hydroxylase [Source:HGNC Symbol;Acc:HGNC:858	chr12:1032	NM_00027	XM_01153	.	.	NP_00026	.	protein_co	ENSG0000	5053	8582
PAICS	190.87	182.929	189.132	225.32	239.001	219.086	phosphoribosylaminoimidazole carboxylase; phosphoribosylamin	chr4:57301	NM_00107	XM_01153	.	.	NP_00107	XP_011532	protein_co	ENSG0000	10606	8587
PAIP1	38.1048	34.1449	34.0812	35.382	41.9787	47.1102	poly(A) binding protein interacting protein 1 [Source:HGNC Symb	chr5:43526	NM_00645	XM_01151	.	.	NP_00644	XP_005248	protein_co	ENSG0000	10605	16945
PAIP2	89.4776	80.633	93.7754	84.01	89.457	108.464	poly(A) binding protein interacting protein 2 [Source:HGNC Symb	chr5:13867	NM_00103	XM_01154	.	.	NP_00102	XP_011541	protein_co	ENSG0000	51247	17970
PAIP2B	2.30981	2.85446	4.10409	2.51704	2.85078	4.26775	poly(A) binding protein interacting protein 2B [Source:HGNC Sym	chr2:71409	NM_02045	XM_01153	.	.	NP_06519	XP_005264	protein_co	ENSG0000	400961	29200
PAK1	20.2712	21.2488	18.7469	20.5269	18.2482	18.5721	p21 (RAC1) activated kinase 1 [Source:HGNC Symbol;Acc:HGNC:8	chr11:7703	NM_00112	XM_01154	.	.	NP_00112	XP_011543	protein_co	ENSG0000	5058	8590
PAK1IP1	29.7055	28.1842	27.0359	32.7837	36.6741	23.4544	PAK1 interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:2088	chr6:10671	NM_01790	XM_00524	.	.	NP_06037	XP_005249	protein_co	ENSG0000	55003	20882
PAK2	26.5187	28.0223	27.5062	27.9487	29.2133	28.3738	p21 (RAC1) activated kinase 2 [Source:HGNC Symbol;Acc:HGNC:8	chr3:19646	NM_00257	XM_01700	.	.	NP_00256	XP_011511	protein_co	ENSG0000	5062	8591
PAK3	0	0	0	0	0	0	p21 (RAC1) activated kinase 3 [Source:HGNC Symbol;Acc:HGNC:8	chrX:11018	NM_00112	XM_01702	.	.	NP_00112	XP_005262	protein_co	ENSG0000	5063	8592
PAK4	23.0309	25.851	24.3815	33.402	27.328	24.7484	p21 (RAC1) activated kinase 4 [Source:HGNC Symbol;Acc:HGNC:1	chr19:3961	NM_00101	XM_01152	.	.	NP_00101	XP_011524	protein_co	ENSG0000	10298	16059
PAK5	0	0.050672	0.098607	0.053945	0.036398	0.01635	p21 (RAC1) activated kinase 5 [Source:HGNC Symbol;Acc:HGNC:1	chr20:9518	NM_02034	XM_01702	.	.	NP_06507	XP_005260	protein_co	ENSG0000	57144	15916
PAK6	7.54899	8.27107	7.90743	7.99948	8.49922	6.01913	p21 (RAC1) activated kinase 6 [Source:HGNC Symbol;Acc:HGNC:1	chr15:4045	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	10682173	16061
PALB2	6.33813	6.89925	6.91192	5.79645	6.71329	5.99233	partner and localizer of BRCA2 [Source:HGNC Symbol;Acc:HGNC:	chr16:2361	NM_02467	XM_01154	.	.	NP_07895	XP_011544	protein_co	ENSG0000	79728	26144
PALD1	18.0987	19.8131	28.3335	16.9936	16.7572	17.7349	phosphatase domain containing, paladin 1 [Source:HGNC Symbol	chr10:7223	NM_01443	XM_01701	.	.	NP_05524	XP_006717	protein_co	ENSG0000	27143	23530
PALLD	35.0702	39.2524	33.3805	62.7956	64.2119	49.8126	palladin, cytoskeletal associated protein [Source:HGNC Symbol;A	chr4:16941	NM_00116	XM_01153	.	.	NP_00115	XP_005262	protein_co	ENSG0000	23022	17068
PALM	11.6421	11.963	16.4996	11.5946	9.04411	12.5446	paralemmin [Source:HGNC Symbol;Acc:HGNC:8594]	chr19:7089	NM_00104	XM_01702	.	.	NP_00103	XP_005259	protein_co	ENSG0000	5064	8594
PALM2	0	0.084933	0.043839	0.197336	0.052965	0.046561	paralemmin 2 [Source:HGNC Symbol;Acc:HGNC:15845]	chr9:11240	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	114299	15845
PALM2-AKAP2	0.146878	0.073458	0.232494	0.161788	0.333816	0.232164	PALM2-AKAP2 readthrough [Source:HGNC Symbol;Acc:HGNC:335	chr9:11240	NM_00720	.	.	.	NP_00913	.	protein_co	ENSG0000	445815	33529
PALM3	1.92357	1.45329	1.98952	2.34131	2.74254	2.10916	paralemmin 3 [Source:HGNC Symbol;Acc:HGNC:33274]	chr19:1416	NM_00114	XM_00525	.	.	NP_00113	XP_005259	protein_co	ENSG0000	342979	33274
PALMD	0	0	0	0	0	0	palmdelphin [Source:HGNC Symbol;Acc:HGNC:15846]	chr1:10011	NM_01773	.	.	.	NP_06020	.	protein_co	ENSG0000	54873	15846
PAM	67.2936	70.964	67.8671	94.6288	97.6807	105.32	peptidylglycine alpha-amidating monooxygenase [Source:HGNC S	chr5:10220	NM_00091	XM_01700	.	.	NP_00091	XP_006714	protein_co	ENSG0000	5066	8596
PAM16	52.2612	50.2951	46.7621	74.485	56.8715	48.8633	presequence translocase associated motor 16 homolog [Source:H	chr16:4364	NM_01606	.	.	.	NP_05715	.	protein_co	ENSG0000	51025	29679
PAMR1	0	0	0	0	0	0.056351	peptidase domain containing associated with muscle regeneratio	chr11:3545	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	25891	24554
PAN2	7.87336	8.1291	8.90202	5.85635	5.46267	6.885	PAN2 poly(A) specific ribonuclease subunit [Source:HGNC Symbo	chr12:5666	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	9924	20074
PAN3	10.6832	11.3841	11.0313	7.58475	9.42436	11.8537	PAN3 poly(A) specific ribonuclease subunit [Source:HGNC Symbo	chr13:2871	NM_17585	XM_01702	.	XR_941549	NP_78705	XP_005266	protein_co	ENSG0000	255967	29991
PANK1	3.50047	4.32196	5.20423	5.49549	5.00937	5.31023	pantothenate kinase 1 [Source:HGNC Symbol;Acc:HGNC:8598]	chr10:9133	NM_13831	XM_01701	.	.	NP_61218	XP_016871	protein_co	ENSG0000	53354	8598
PANK2	18.6167	20.2295	20.2557	19.7753	21.3279	21.0618	pantothenate kinase 2 [Source:HGNC Symbol;Acc:HGNC:15894]	chr20:3869	NM_02496	XM_01152	.	.	NP_00131	XP_005260	protein_co	ENSG0000	80025	15894
PANK3	11.5634	12.7938	13.8385	13.0967	14.7332	18.4303	pantothenate kinase 3 [Source:HGNC Symbol;Acc:HGNC:19365]	chr5:16797	NM_02459	.	.	.	NP_07887	.	protein_co	ENSG0000	79646	19365
PANK4	9.27172	9.8993	10.1592	11.318	9.70959	8.43214	pantothenate kinase 4 [Source:HGNC Symbol;Acc:HGNC:19366]	chr1:24399	NM_01821	.	.	.	NP_06068	.	protein_co	ENSG0000	55229	19366
PANO1	0.471765	0.520917	0.746276	0.430479	0.157987	0.37619	proapoptotic nucleolar protein 1 [Source:HGNC Symbol;Acc:HGN	chr11:7904	NM_00129	.	.	.	NP_00128	.	protein_co	ENSG0000	10192742	51237
PANX1	19.1197	18.8056	15.8539	17.8147	18.2621	18.837	pannexin 1 [Source:HGNC Symbol;Acc:HGNC:8599]	chr11:9386	NM_01536	.	.	.	NP_05618	.	protein_co	ENSG0000	24145	8599
PANX2	2.94268	3.76397	3.07048	3.23255	2.43043	3.41474	pannexin 2 [Source:HGNC Symbol;Acc:HGNC:8600]	chr22:5060	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	56666	8600
PANX3	0	0	0	0	0	0	pannexin 3 [Source:HGNC Symbol;Acc:HGNC:20573]	chr11:1244	NM_05295	.	.	.	NP_44319	.	protein_co	ENSG0000	116337	20573
PAOX	1.43206	1.62873	2.16744	1.54266	1.81922	1.1861	polyamine oxidase (exo-N4-amino) [Source:HGNC Symbol;Acc:HG	chr10:1351	NM_15291	.	.	.	NP_69087	.	protein_co	ENSG0000	196743	20837
PAPD4	13.3064	14.2947	14.7111	11.3339	15.628	14.5821	poly(A) RNA polymerase D4, non-canonical [Source:HGNC Symbo	chr5:78908	NM_00111	XM_01700	.	.	NP_00110	XP_011541	protein_co	ENSG0000	167153	26776
PAPD5	8.0001	8.45465	8.65741	8.71521	9.28956	9.55191	poly(A) RNA polymerase D5, non-canonical [Source:HGNC Symbo	chr16:5018	NM_00104	XM_01702	.	.	NP_00103	XP_005256	protein_co	ENSG0000	64282	30758
PAPD7	15.6933	14.3943	16.0076	15.9127	16.7985	15.123	poly(A) RNA polymerase D7, non-canonical [Source:HGNC Symbo	chr5:67131	NM_00117	XM_01151	.	.	NP_00116	XP_005248	protein_co	ENSG0000	11044	16705
PAPLN	1.77979	1.57697	2.84805	1.42542	1.31089	1.87201	papilin, proteoglycan like sulfated glycoprotein [Source:HGNC Syr	chr14:7370	NM_17346	XM_01153	.	.	NP_77573	XP_011535	protein_co	ENSG0000	89932	19262
PAPOLA	60.3001	59.7887	61.8166	71.2236	91.0905	83.6287	poly(A) polymerase alpha [Source:HGNC Symbol;Acc:HGNC:1498	chr14:9696	NM_00125	XM_00526	.	.	NP_00123	XP_005267	protein_co	ENSG0000	10914	14981

PAPOLB	0.019153	0.020564	0.016607	0.021931	0.04224	0.111639	poly(A) polymerase beta [Source:HGNC Symbol;Acc:HGNC:15970	chr7:48387	NM_02014	.	.	.	NP_06452	.	protein_co	ENSG0000	56903	15970
PAPOLG	5.91408	5.18244	7.17023	4.85951	6.30655	6.70698	poly(A) polymerase gamma [Source:HGNC Symbol;Acc:HGNC:149	chr2:60983	NM_02289	XM_01153	.	.	NP_07504	XP_005264	protein_co	ENSG0000	64895	14982
PAPPA	0	0	0	0	0	0	pappalysin 1 [Source:HGNC Symbol;Acc:HGNC:8602]	chr9:11891	NM_00258	XM_00671	.	.	NP_00257	XP_006717	protein_co	ENSG0000	5069	8602
PAPPA2	0.014673	0.026964	0.005659	0.007211	0	0.020068	pappalysin 2 [Source:HGNC Symbol;Acc:HGNC:14615]	chr1:17643	NM_02031	XM_01700	.	.	NP_06471	XP_005245	protein_co	ENSG0000	60676	14615
PAPSS1	37.2211	36.8681	41.5505	37.2142	37.3591	42.5336	3'-phosphoadenosine 5'-phosphosulfate synthase 1 [Source:HGN	chr4:10853	NM_00544	XM_01153	.	.	NP_00543	XP_011530	protein_co	ENSG0000	9061	8603
PAPSS2	7.46691	7.64681	9.04347	9.67549	9.50755	9.98741	3'-phosphoadenosine 5'-phosphosulfate synthase 2 [Source:HGN	chr10:8941	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	9060	8604
PAQR3	4.24428	4.48613	4.56949	4.64298	5.39473	5.38324	progestin and adipoQ receptor family member 3 [Source:HGNC S	chr4:79697	NM_00104	XM_00671	.	.	NP_00103	XP_005262	protein_co	ENSG0000	152559	30130
PAQR4	28.0681	27.4369	31.3861	24.322	21.881	28.417	progestin and adipoQ receptor family member 4 [Source:HGNC S	chr16:3013	NM_00128	XM_00525	.	.	NP_00127	.	protein_co	ENSG0000	124222	26386
PAQR5	7.74596	7.08321	8.69543	9.51976	9.03172	10.9117	progestin and adipoQ receptor family member 5 [Source:HGNC S	chr15:6959	NM_00110	XM_01152	.	.	NP_00109	XP_005254	protein_co	ENSG0000	54852	29645
PAQR6	2.88212	2.58953	3.96502	2.86107	2.57158	5.25311	progestin and adipoQ receptor family member 6 [Source:HGNC S	chr1:15618	NM_00127	XM_01151	.	.	NP_00125	XP_005245	protein_co	ENSG0000	79957	30132
PAQR7	10.2756	10.1371	12.2709	10.2733	10.4348	7.4029	progestin and adipoQ receptor family member 7 [Source:HGNC S	chr1:26187	NM_17842	XM_01154	.	.	NP_84850	XP_005245	protein_co	ENSG0000	164091	23146
PAQR8	2.37006	2.84831	5.10577	1.7483	2.15151	5.20009	progestin and adipoQ receptor family member 8 [Source:HGNC S	chr6:52226	NM_13336	.	.	.	NP_58860	.	protein_co	ENSG0000	85315	15708
PAQR9	0.047211	0.047865	0.120103	0.052003	0	0.246311	progestin and adipoQ receptor family member 9 [Source:HGNC S	chr3:14268	NM_19850	.	.	.	NP_94090	.	protein_co	ENSG0000	344838	30131
PARD3	15.0352	14.8761	15.8337	7.88907	8.27705	8.42149	par-3 family cell polarity regulator [Source:HGNC Symbol;Acc:HG	chr10:3439	NM_00118	XM_01151	.	.	NP_00117	XP_005252	protein_co	ENSG0000	56288	16051
PARD3B	0.222453	0.233142	0.303066	0.203963	0.191938	0.161264	par-3 family cell polarity regulator beta [Source:HGNC Symbol;Ac	chr2:20541	NM_00130	XM_01700	.	.	NP_00128	XP_011508	protein_co	ENSG0000	117583	14446
PARD6A	5.15687	6.27417	6.92668	6.25847	5.00732	3.09684	par-6 family cell polarity regulator alpha [Source:HGNC Symbol;A	chr16:6769	NM_00103	XM_01702	.	.	NP_00103	XP_005256	protein_co	ENSG0000	50855	15943
PARD6B	5.6804	6.39867	5.39776	5.12043	5.66036	7.85823	par-6 family cell polarity regulator beta [Source:HGNC Symbol;Ac	chr20:4934	NM_03252	.	.	.	NP_11591	.	protein_co	ENSG0000	84612	16245
PARD6G	7.43642	8.28099	8.24708	8.69817	8.5522	7.00162	par-6 family cell polarity regulator gamma [Source:HGNC Symbol	chr18:7791	NM_03251	.	.	.	NP_11589	.	protein_co	ENSG0000	84552	16076
PARG	10.5946	10.3078	11.5357	11.2465	12.3793	11.6212	poly(ADP-ribose) glycohydrolase [Source:HGNC Symbol;Acc:HGN	chr10:5102	NM_00130	XM_01154	.	.	NP_00129	XP_011538	protein_co	ENSG0000	8505	8605
PARK2	0	1.08304	1.40968	0.020142	0.037959	0.189093	parkin RBR E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:	chr6:16176	NM_00456	XM_01701	.	.	NP_00455	XP_011534	protein_co	ENSG0000	5071	8607
PARK7	249.624	232.311	231.931	303.068	236.968	230.382	Parkinsonism associated deglycase [Source:HGNC Symbol;Acc:HG	chr1:80217	NM_00112	XM_00526	.	.	NP_00111	XP_005263	protein_co	ENSG0000	11315	16369
PARL	32.4665	29.6895	29.7768	33.7246	29.7707	28.3843	presenilin associated rhomboid like [Source:HGNC Symbol;Acc:H	chr3:18354	NM_00103	XM_00524	.	.	NP_00103	.	protein_co	ENSG0000	55486	18253
PARM1	8.2205	8.52951	9.47053	9.59541	10.9149	9.60582	prostate androgen-regulated mucin-like protein 1 [Source:HGNC	chr4:75858	NM_01539	XM_01153	.	.	NP_05620	XP_011530	protein_co	ENSG0000	25849	24536
PARN	20.2167	18.9219	18.4248	17.8935	16.2371	18.1011	poly(A)-specific ribonuclease [Source:HGNC Symbol;Acc:HGNC:86	chr16:1452	NM_00113	XM_01152	.	.	NP_00112	XP_011520	protein_co	ENSG0000	5073	8609
PARP1	107.345	106.736	115.477	127.626	125.653	101.037	poly(ADP-ribose) polymerase 1 [Source:HGNC Symbol;Acc:HGNC:	chr1:22654	NM_00161	.	.	.	NP_00160	.	protein_co	ENSG0000	142	270
PARP10	2.9956	3.32508	1.59435	0.850243	0.727686	0.388354	poly(ADP-ribose) polymerase family member 10 [Source:HGNC S	chr8:14505	NM_00131	XM_01151	.	.	NP_00130	XP_005251	protein_co	ENSG0000	84875	25895
PARP11	0.762179	0.9671	0.92578	0.806232	0.981329	1.31565	poly(ADP-ribose) polymerase family member 11 [Source:HGNC S	chr12:3918	NM_00128	XM_01152	.	.	NP_00127	XP_005253	protein_co	ENSG0000	57097	1186
PARP12	11.412	11.7809	8.62017	9.99458	9.06854	7.31006	poly(ADP-ribose) polymerase family member 12 [Source:HGNC S	chr7:13972	NM_02275	XM_01151	.	.	NP_07358	XP_005250	protein_co	ENSG0000	64761	21919
PARP14	7.34336	7.75744	5.43083	4.9321	6.04164	5.41017	poly(ADP-ribose) polymerase family member 14 [Source:HGNC S	chr3:12239	NM_01755	XM_01151	.	.	NP_06002	XP_011511	protein_co	ENSG0000	54625	29232
PARP15	0	0	0	0	0	0.018432	poly(ADP-ribose) polymerase family member 15 [Source:HGNC S	chr3:12229	NM_00111	XM_01151	.	.	NP_00110	XP_005247	protein_co	ENSG0000	165631	26876
PARP16	5.79977	4.67195	5.38061	5.89369	5.41437	4.19054	poly(ADP-ribose) polymerase family member 16 [Source:HGNC S	chr15:6555	NM_00131	XM_01152	.	.	NP_00130	XP_006720	protein_co	ENSG0000	54956	26040
PARP2	35.5216	33.2074	27.8493	29.7292	29.2766	22.3106	poly(ADP-ribose) polymerase 2 [Source:HGNC Symbol;Acc:HGNC:	chr14:2081	NM_00104	XM_01153	.	.	NP_00103	XP_005267	protein_co	ENSG0000	10038	272
PARP3	9.24021	8.04296	9.84442	7.5757	7.26687	6.68124	poly(ADP-ribose) polymerase family member 3 [Source:HGNC Syr	chr3:51976	NM_00100	XM_01700	.	.	NP_00100	XP_005264	protein_co	ENSG0000	10039	273
PARP4	35.6817	34.817	37.7067	30.761	34.4579	36.1279	poly(ADP-ribose) polymerase family member 4 [Source:HGNC Syr	chr13:2499	NM_00643	XM_01153	.	.	NP_00642	XP_011533	protein_co	ENSG0000	143	271
PARP6	14.2924	14.1944	10.9647	9.58171	9.09111	8.06355	poly(ADP-ribose) polymerase family member 6 [Source:HGNC Syr	chr15:7253	NM_00132	XM_01152	.	.	NP_00131	XP_011520	protein_co	ENSG0000	56965	26921
PARP8	8.25122	8.46908	8.703	6.18832	5.8875	6.91993	poly(ADP-ribose) polymerase family member 8 [Source:HGNC Syr	chr5:49961	NM_00117	XM_01700	.	.	NP_00117	XP_005248	protein_co	ENSG0000	79668	26124
PARP9	9.4008	8.95549	7.26086	6.01801	7.0676	4.99202	poly(ADP-ribose) polymerase family member 9 [Source:HGNC Syr	chr3:12224	NM_00114	XM_01700	.	.	NP_00113	XP_005247	protein_co	ENSG0000	83666	24118
PARPBP	8.65225	8.3912	7.89383	9.39914	13.4971	9.51131	PARP1 binding protein [Source:HGNC Symbol;Acc:HGNC:26074]	chr12:1025	NM_00131	XM_01701	.	.	NP_00130	XP_011536	protein_co	ENSG0000	55010	26074
PARS2	6.68343	7.21002	7.62417	7.97306	7.40059	6.88495	prolyl-tRNA synthetase 2, mitochondrial (putative) [Source:HGNC	chr1:55222	NM_15226	.	.	.	NP_68948	.	protein_co	ENSG0000	25973	30563
PARVA	10.463	11.4608	9.79956	10.1965	11.1414	9.09126	parvin alpha [Source:HGNC Symbol;Acc:HGNC:14652]	chr11:1239	NM_01822	XM_00525	.	.	NP_06069	XP_005253	protein_co	ENSG0000	55742	14652
PARVB	6.812	6.97533	8.53244	6.95525	5.59236	6.74091	parvin beta [Source:HGNC Symbol;Acc:HGNC:14653]	chr22:4439	NM_00100	XM_00526	.	.	NP_00100	XP_005261	protein_co	ENSG0000	29780	14653
PARVG	0.020774	0	0.017935	0	0.077419	0.022386	parvin gamma [Source:HGNC Symbol;Acc:HGNC:14654]	chr22:4456	NM_00113	XM_01153	.	.	NP_00113	XP_005261	protein_co	ENSG0000	64098	14654
PASD1	0.01987	0	0	0	0	0	PAS domain containing 1 [Source:HGNC Symbol;Acc:HGNC:20686	chrX:15073	NM_17349	XM_01153	.	.	NP_77576	XP_011529	protein_co	ENSG0000	139135	20686
PASK	7.86674	8.17851	8.30262	9.70204	8.90508	7.5401	PAS domain containing serine/threonine kinase [Source:HGNC Sy	chr2:24204	NM_00125	XM_01700	.	.	NP_00123	XP_005247	protein_co	ENSG0000	23178	17270
PATE1	0	0	0	0	0	0	prostate and testis expressed 1 [Source:HGNC Symbol;Acc:HGNC:	chr11:1256	NM_13829	.	.	.	NP_61215	.	protein_co	ENSG0000	160065	24664
PATE2	0	0	0	0.149314	0.15158	0	prostate and testis expressed 2 [Source:HGNC Symbol;Acc:HGNC:	chr11:1256	NM_21255	.	.	.	NP_99772	.	protein_co	ENSG0000	399967	32249
PATE3	0	0	0	0	0	0	prostate and testis expressed 3 [Source:HGNC Symbol;Acc:HGNC:	chr11:1256	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	100169851	35426
PATE4	0	0	0	0	0	0	prostate and testis expressed 4 [Source:HGNC Symbol;Acc:HGNC:	chr11:1257	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	399968	35427
PATJ	6.32276	6.70418	6.85107	7.69528	7.57956	9.42313	PATJ, crumbs cell polarity complex component [Source:HGNC Syr	chr1:62208	NM_17687	XM_01154	.	.	NP_79535	XP_005270	protein_co	ENSG0000	10207	28881
PATL1	19.9532	19.3034	20.3983	18.2323	19.4774	19.7341	PAT1 homolog 1, processing body mRNA decay factor [Source:HG	chr11:5940	NM_15271	XM_00527	.	.	NP_68992	XP_005273	protein_co	ENSG0000	219988	26721
PATL2	0.620956	0.32882	0.159603	0.088486	0.046178	0.257063	PAT1 homolog 2 [Source:HGNC Symbol;Acc:HGNC:33630]	chr15:4495	NM_00114	XM_01152	.	.	NP_00113	XP_011519	protein_co	ENSG0000	197135	33630
PATZ1	19.0767	20.3246	17.5969	18.0631	16.7795	12.7058	POZ/BTB and AT hook containing zinc finger 1 [Source:HGNC Sym	chr22:3172	NM_01432	.	.	.	NP_05513	.	protein_co	ENSG0000	23598	13071
PAWR	7.50337	8.1127	6.88397	6.32911	7.21185	7.62563	pro-apoptotic WT1 regulator [Source:HGNC Symbol;Acc:HGNC:86	chr12:7997	NM_00258	XM_00671	.	.	NP_00257	XP_006719	protein_co	ENSG0000	5074	8614
PAX1	0	0	0	0	0	0	paired box 1 [Source:HGNC Symbol;Acc:HGNC:8615]	chr20:2168	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	5075	8615
PAX2	2.73311	2.65223	2.70091	3.12599	2.62343	2.35837	paired box 2 [Source:HGNC Symbol;Acc:HGNC:8616]	chr10:1025	NM_00027	.	.	.	NP_00026	XP_016871	protein_co	ENSG0000	5076	8616
PAX3	0	0	0.036187	0	0	0	paired box 3 [Source:HGNC Symbol;Acc:HGNC:8617]	chr2:22306	NM_00043	.	.	.	NP_00042	.	protein_co	ENSG0000	5077	8617
PAX4	0	0	0	0	0	0	paired box 4 [Source:HGNC Symbol;Acc:HGNC:8618]	chr7:12725	NM_00619	XM_01151	.	.	NP_00618	XP_011514	protein_co	ENSG0000	5078	8618
PAX5	0	0.017155	0	0.01846	0.038417	0.026746	paired box 5 [Source:HGNC Symbol;Acc:HGNC:8619]	chr9:36833	NM_00128	XM_01151	.	.	NP_00126	XP_005251	protein_co	ENSG0000	5079	8619
PAX6	1.25673	1.70356	1.86017	2.29592	2.30144	2.03374	paired box 6 [Source:HGNC Symbol;Acc:HGNC:8620]	chr11:3180	NM_00028	XM_01152	.	.	NP_00027	XP_005253	protein_co	ENSG0000	5080	8620

PAX7	0	0.047221	0.022114	0.013957	0.028976	0.013457	paired box 7 [Source:HGNC Symbol;Acc:HGNC:8621]	chr1:18957	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	5081	8621
PAX8	2.24672	2.24308	2.1384	1.77093	1.36414	1.98407	paired box 8 [Source:HGNC Symbol;Acc:HGNC:8622]	chr2:11397	NM_00346	XM_01151	.	.	NP_00345	XP_01151	protein_co	ENSG0000	7849	8622
PAX9	1.79184	2.16458	2.13691	2.46196	2.71155	2.64963	paired box 9 [Source:HGNC Symbol;Acc:HGNC:8623]	chr14:3712	NM_00619	.	.	.	NP_00618	.	protein_co	ENSG0000	5083	8623
PAXBP1	22.6216	20.7113	25.4761	17.8649	24.5694	23.3539	PAX3 and PAX7 binding protein 1 [Source:HGNC Symbol;Acc:HGN	chr21:3410	NM_01332	XM_00672	.	.	NP_03746	XP_00672	protein_co	ENSG0000	94104	13579
PAXIP1	9.2243	9.936	9.54906	9.33628	9.48807	9.02293	PAX interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:8624]	chr7:15473	NM_00734	XM_01151	.	.	NP_03137	XP_00524	protein_co	ENSG0000	22976	8624
PBDC1	18.687	15.9459	14.3365	21.5512	16.9145	14.3908	polysaccharide biosynthesis domain containing 1 [Source:HGNC S	chrX:75392	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	51260	28790
PBK	48.3415	44.1424	43.6011	69.3002	90.9459	73.1902	PDZ binding kinase [Source:HGNC Symbol;Acc:HGNC:18282]	chr8:27667	NM_00127	XM_00671	.	.	NP_00126	XP_00671	protein_co	ENSG0000	55872	18282
PBLD	0.836089	0.913369	0.756276	0.896933	0.578166	1.25789	phenazine biosynthesis like protein domain containing [Source:H	chr10:7004	NM_00103	XM_01154	.	.	NP_00102	XP_00527	protein_co	ENSG0000	64081	23301
PBOV1	0	0	0	0	0	0	prostate and breast cancer overexpressed 1 [Source:HGNC Symb	chr6:13848	NM_02163	.	.	.	NP_06764	.	protein_co	ENSG0000	59351	21079
PBRM1	9.62401	10.4845	9.56486	9.57811	12.6549	12.086	polybromo 1 [Source:HGNC Symbol;Acc:HGNC:30064]	chr3:52570	NM_01831	XM_01700	.	.	NP_06078	XP_00526	protein_co	ENSG0000	55193	30064
PBX1	2.97263	2.40174	5.22682	1.57716	1.50806	1.83214	PBX homeobox 1 [Source:HGNC Symbol;Acc:HGNC:8632]	chr1:16452	NM_00120	XM_01150	.	.	NP_00119	XP_00524	protein_co	ENSG0000	5087	8632
PBX2	29.1696	28.5085	27.5489	23.1389	26.5851	25.7406	PBX homeobox 2 [Source:HGNC Symbol;Acc:HGNC:8633]	chr6:32152	NM_00258	.	.	.	NP_00257	.	protein_co	ENSG0000	5089	8633
PBX3	2.55926	2.41055	2.86719	1.92118	2.11803	3.02069	PBX homeobox 3 [Source:HGNC Symbol;Acc:HGNC:8634]	chr9:12850	NM_00113	XM_01151	.	.	NP_00112	XP_00671	protein_co	ENSG0000	5090	8634
PBX4	2.35108	1.32788	1.93522	1.60854	1.3458	1.71599	PBX homeobox 4 [Source:HGNC Symbol;Acc:HGNC:13403]	chr19:1967	NM_02524	XM_01152	.	.	NP_07952	XP_01152	protein_co	ENSG0000	80714	13403
PBXIP1	7.88258	8.74825	9.9423	7.00373	7.77951	9.065	PBX homeobox interacting protein 1 [Source:HGNC Symbol;Acc:H	chr1:15491	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	57326	21199
PC	4.38689	3.78539	3.90242	3.19663	3.54741	3.95026	pyruvate carboxylase [Source:HGNC Symbol;Acc:HGNC:8636]	chr11:6661	NM_00092	XM_01701	.	.	NP_00091	XP_00527	protein_co	ENSG0000	5091	8636
PCBD1	140.143	129.813	119.322	137.656	117.212	98.601	pterin-4 alpha-carbinolamine dehydratase 1 [Source:HGNC Symb	chr10:7264	NM_00028	.	.	.	NP_00027	.	protein_co	ENSG0000	5092	8646
PCBD2	4.97283	5.20129	4.14733	4.41572	5.89051	4.74088	pterin-4 alpha-carbinolamine dehydratase 2 [Source:HGNC Symb	chr5:13424	NM_03215	.	.	.	NP_11552	.	protein_co	ENSG0000	84105	24474
PCBP1	204.795	198.181	155.435	236.839	213.266	172.316	poly(rC) binding protein 1 [Source:HGNC Symbol;Acc:HGNC:8647	chr2:70314	NM_00619	.	.	.	NP_00618	.	protein_co	ENSG0000	5093	8647
PCBP2	234.884	244.448	213.096	282.631	249.814	275.213	poly(rC) binding protein 2 [Source:HGNC Symbol;Acc:HGNC:8648	chr12:5384	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	5094	8648
PCBP3	0.465813	0.429966	0.793375	0.294137	0.22332	0.379142	poly(rC) binding protein 3 [Source:HGNC Symbol;Acc:HGNC:8651	chr21:4706	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	54039	8651
PCBP4	27.7951	26.2892	30.5671	28.2032	25.3176	29.1903	poly(rC) binding protein 4 [Source:HGNC Symbol;Acc:HGNC:8652	chr3:51989	NM_00117	XM_01700	.	.	NP_00116	XP_00526	protein_co	ENSG0000	57060	8652
PCCA	4.60001	4.7571	7.42436	4.4242	4.91049	6.80675	propionyl-CoA carboxylase alpha subunit [Source:HGNC Symbol;A	chr13:1007	NM_00028	XM_01702	.	.	NP_00027	XP_00525	protein_co	ENSG0000	5095	8653
PCCB	33.7146	30.4181	34.1855	41.3112	37.1483	36.9409	propionyl-CoA carboxylase beta subunit [Source:HGNC Symbol;Ac	chr3:13596	NM_00053	.	.	.	NP_00052	.	protein_co	ENSG0000	5096	8654
PCDH1	8.47677	10.0168	10.6511	8.55184	8.23917	9.12955	protocadherin 1 [Source:HGNC Symbol;Acc:HGNC:8655]	chr5:14123	NM_00127	.	.	.	NP_00126	XP_00526	protein_co	ENSG0000	5097	8655
PCDH10	0	0	0	0	0	0.011213	protocadherin 10 [Source:HGNC Symbol;Acc:HGNC:13404]	chr4:13407	NM_02081	.	.	.	NP_06586	XP_01153	protein_co	ENSG0000	57575	13404
PCDH11X	0	0	0	0	0	0	protocadherin 11 X-linked [Source:HGNC Symbol;Acc:HGNC:8656	chrX:91034	NM_00116	XM_01702	.	.	NP_00116	XP_01152	protein_co	ENSG0000	27328	8656
PCDH11Y	0	0	0	0	0	0	protocadherin 11 Y-linked [Source:HGNC Symbol;Acc:HGNC:1581	chrY:48682	NM_00127	XM_01703	.	.	NP_00126	XP_01152	protein_co	ENSG0000	83259	15813
PCDH12	0	0	0.008755	0	0	0.010702	protocadherin 12 [Source:HGNC Symbol;Acc:HGNC:8657]	chr5:14132	NM_01658	.	.	.	NP_05766	.	protein_co	ENSG0000	51294	8657
PCDH15	0	0	0	0	0	0	protocadherin related 15 [Source:HGNC Symbol;Acc:HGNC:14674	chr10:5556	NM_00114	XM_01701	.	.	NP_00113	XP_01687	protein_co	ENSG0000	65217	14674
PCDH17	0	0	0	0	0	0	protocadherin 17 [Source:HGNC Symbol;Acc:HGNC:14267]	chr13:5820	NM_00104	XM_00526	.	.	NP_00103	XP_00526	protein_co	ENSG0000	27253	14267
PCDH18	0	0	0	0	0	0	protocadherin 18 [Source:HGNC Symbol;Acc:HGNC:14268]	chr4:13844	NM_00130	XM_01700	.	.	NP_00128	XP_01686	protein_co	ENSG0000	54510	14268
PCDH19	0.138457	0.07562	0.236374	0.163296	0.284364	0.335199	protocadherin 19 [Source:HGNC Symbol;Acc:HGNC:14270]	chrX:99546	NM_00110	XM_01153	.	.	NP_00109	XP_01152	protein_co	ENSG0000	57526	14270
PCDH20	0	0	0	0	0	0	protocadherin 20 [Source:HGNC Symbol;Acc:HGNC:14257]	chr13:6198	NM_02284	.	.	.	NP_07375	XP_01687	protein_co	ENSG0000	64881	14257
PCDH7	0.52929	0.683201	0.499971	1.58352	1.42266	2.50818	protocadherin 7 [Source:HGNC Symbol;Acc:HGNC:8659]	chr4:30722	NM_00117	.	.	.	NP_00116	XP_00524	protein_co	ENSG0000	5099	8659
PCDH8	0	0	0	0	0	0	protocadherin 8 [Source:HGNC Symbol;Acc:HGNC:8660]	chr13:5341	NM_00259	.	.	.	NP_00258	.	protein_co	ENSG0000	5100	8660
PCDH9	0	0	0	0	0	0	protocadherin 9 [Source:HGNC Symbol;Acc:HGNC:8661]	chr13:6687	NM_02040	XM_01702	.	.	NP_00130	XP_00526	protein_co	ENSG0000	5101	8661
PCDHA1	1.42E-67	3.57E-76	1.98E-19	2.9E-79	0.055294	3.55E-31	protocadherin alpha 1 [Source:HGNC Symbol;Acc:HGNC:8663]	chr5:14016	NM_01890	.	.	.	NP_06172	.	protein_co	ENSG0000	56147	8663
PCDHA10	0.050734	0.056272	0.006627	4.53E-60	0.085496	0.110717	protocadherin alpha 10 [Source:HGNC Symbol;Acc:HGNC:8664]	chr5:14016	NM_01890	.	.	.	NP_06172	.	protein_co	ENSG0000	56139	8664
PCDHA11	0.025314	3.8E-98	0.021413	7.7E-111	1.21E-33	9.13E-43	protocadherin alpha 11 [Source:HGNC Symbol;Acc:HGNC:8665]	chr5:14016	NM_01890	.	.	.	NP_06172	.	protein_co	ENSG0000	56138	8665
PCDHA12	1.07E-63	4.74E-73	1.68E-18	0.040787	2.67E-23	5.1E-29	protocadherin alpha 12 [Source:HGNC Symbol;Acc:HGNC:8666]	chr5:14016	NM_01890	.	.	.	NP_06172	.	protein_co	ENSG0000	56137	8666
PCDHA13	9.45E-68	1.4E-10	3E-19	3.39E-10	9.15E-25	2.26E-18	protocadherin alpha 13 [Source:HGNC Symbol;Acc:HGNC:8667]	chr5:14016	NM_01890	.	.	.	NP_06172	.	protein_co	ENSG0000	56136	8667
PCDHA2	1.8E-71	8.81E-81	4.9E-20	8.37E-86	5.97E-26	8.71E-33	protocadherin alpha 2 [Source:HGNC Symbol;Acc:HGNC:8668]	chr5:14016	NM_01890	.	.	.	NP_06172	.	protein_co	ENSG0000	56146	8668
PCDHA3	3.34E-70	7.18E-79	3.94E-20	1.04E-83	9.68E-26	1.09E-32	protocadherin alpha 3 [Source:HGNC Symbol;Acc:HGNC:8669]	chr5:14016	NM_01890	.	.	.	NP_06172	.	protein_co	ENSG0000	56145	8669
PCDHA4	5.46E-69	0.000807	1.53E-19	0.003743	4.6E-25	0.074836	protocadherin alpha 4 [Source:HGNC Symbol;Acc:HGNC:8670]	chr5:14016	NM_01890	.	.	.	NP_06173	.	protein_co	ENSG0000	56144	8670
PCDHA5	3.76E-68	0.067637	5.79E-19	0.089315	8.25E-25	2.58E-21	protocadherin alpha 5 [Source:HGNC Symbol;Acc:HGNC:8671]	chr5:14016	NM_01890	.	.	.	NP_06173	.	protein_co	ENSG0000	56143	8671
PCDHA6	1.35E-67	4.3E-77	1.88E-19	1.09E-80	1.52E-24	4.77E-31	protocadherin alpha 6 [Source:HGNC Symbol;Acc:HGNC:8672]	chr5:14016	NM_01890	.	.	.	NP_06173	.	protein_co	ENSG0000	56142	8672
PCDHA7	2.3E-68	3.36E-77	1.34E-19	2.02E-81	1.01E-24	3.19E-31	protocadherin alpha 7 [Source:HGNC Symbol;Acc:HGNC:8673]	chr5:14016	NM_01891	.	.	.	NP_06173	.	protein_co	ENSG0000	56141	8673
PCDHA8	3.04E-66	3.08E-75	5.75E-19	1.34E-78	0.045667	1.81E-30	protocadherin alpha 8 [Source:HGNC Symbol;Acc:HGNC:8674]	chr5:14016	NM_01891	.	.	.	NP_06173	.	protein_co	ENSG0000	56140	8674
PCDHA9	2.76E-90	1.9E-99	3.89E-25	6.5E-112	1.21E-33	2.88E-42	protocadherin alpha 9 [Source:HGNC Symbol;Acc:HGNC:8675]	chr5:14016	NM_01400	.	.	.	NP_05472	.	protein_co	ENSG0000	9752	8675
PCDHAC1	0.786229	0.5805	0.90476	0.725622	0.654862	1.39761	protocadherin alpha subfamily C, 1 [Source:HGNC Symbol;Acc:HG	chr5:14016	NM_01889	.	.	.	NP_06172	.	protein_co	ENSG0000	56135	8676
PCDHAC2	1.68507	2.18315	1.84461	1.77886	1.88016	2.19561	protocadherin alpha subfamily C, 2 [Source:HGNC Symbol;Acc:HG	chr5:14016	NM_01889	.	.	.	NP_06172	.	protein_co	ENSG0000	56134	8677
PCDHB1	0	0	0	0	0.011744	0	protocadherin beta 1 [Source:HGNC Symbol;Acc:HGNC:8680]	chr5:14043	NM_01334	.	.	.	NP_03747	.	protein_co	ENSG0000	29930	8680
PCDHB10	0	0.058263	0.048864	0.094526	0.096665	0.116938	protocadherin beta 10 [Source:HGNC Symbol;Acc:HGNC:8681]	chr5:14057	NM_01893	.	.	.	NP_06175	.	protein_co	ENSG0000	56126	8681
PCDHB11	0.087831	0	0.03965	0.096772	0.050192	0	protocadherin beta 11 [Source:HGNC Symbol;Acc:HGNC:8682]	chr5:14057	NM_01893	.	.	.	NP_06175	.	protein_co	ENSG0000	56125	8682
PCDHB12	0	0	0.035379	0	0	0.046475	protocadherin beta 12 [Source:HGNC Symbol;Acc:HGNC:8683]	chr5:14058	NM_01893	.	.	.	NP_06175	.	protein_co	ENSG0000	56124	8683
PCDHB13	0.070143	0.036615	0.015164	0.216786	0.23527	0.124122	protocadherin beta 13 [Source:HGNC Symbol;Acc:HGNC:8684]	chr5:14059	NM_01893	.	.	.	NP_06175	.	protein_co	ENSG0000	56123	8684
PCDHB14	0.338539	0.266562	0.087848	0.168249	0.250352	0.175561	protocadherin beta 14 [Source:HGNC Symbol;Acc:HGNC:8685]	chr5:14060	NM_01893	.	.	.	NP_06175	.	protein_co	ENSG0000	56122	8685
PCDHB15	0	0.089463	0	1.3E-106	0	0.048655	protocadherin beta 15 [Source:HGNC Symbol;Acc:HGNC:8686]	chr5:14060	NM_01893	.	.	.	NP_06175	.	protein_co	ENSG0000	56121	8686

PCDHB16	0	0.038426	0	0.04136	0	0	protocadherin beta 16 [Source:HGNC Symbol;Acc:HGNC:14546]	chr5:14056	NM_02095	.	.	.	NP_06600	.	protein_co	ENSG0000	57717	14546
PCDHB2	0	0	0	0	0.045031	0	protocadherin beta 2 [Source:HGNC Symbol;Acc:HGNC:8687]	chr5:14047	NM_01893	.	.	.	NP_06175	.	protein_co	ENSG0000	56133	8687
PCDHB3	0	0.027949	0	0.091164	0.123286	0.056214	protocadherin beta 3 [Source:HGNC Symbol;Acc:HGNC:8688]	chr5:14048	NM_01893	.	.	.	NP_06176	.	protein_co	ENSG0000	56132	8688
PCDHB4	0	0	0	0	0	0	protocadherin beta 4 [Source:HGNC Symbol;Acc:HGNC:8689]	chr5:14050	NM_01893	.	.	.	NP_06176	.	protein_co	ENSG0000	56131	8689
PCDHB5	0	0	0	0	0	0	protocadherin beta 5 [Source:HGNC Symbol;Acc:HGNC:8690]	chr5:14051	NM_01566	.	.	.	NP_05648	.	protein_co	ENSG0000	26167	8690
PCDHB6	0	0	0	0	0	0	protocadherin beta 6 [Source:HGNC Symbol;Acc:HGNC:8691]	chr5:14052	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	56130	8691
PCDHB7	0.025464	0.078655	0.043752	0	0	0.052175	protocadherin beta 7 [Source:HGNC Symbol;Acc:HGNC:8692]	chr5:14055	NM_01894	.	.	.	NP_06176	.	protein_co	ENSG0000	56129	8692
PCDHB8	0	0	0	0	0.033395	0.030856	protocadherin beta 8 [Source:HGNC Symbol;Acc:HGNC:8693]	chr5:14055	NM_01912	.	.	.	NP_06199	.	protein_co	ENSG0000	56128	8693
PCDHB9	0.021587	0.044695	0.037279	0.096195	0	0.066091	protocadherin beta 9 [Source:HGNC Symbol;Acc:HGNC:8694]	chr5:14056	NM_01911	.	.	.	NP_06199	.	protein_co	ENSG0000	56127	8694
PCDHGA1	0.120778	0.041909	0.026871	0.022547	1.15E-77	0.137336	protocadherin gamma subfamily A, 1 [Source:HGNC Symbol;Acc:H	chr5:14071	NM_01891	.	.	.	NP_06173	.	protein_co	ENSG0000	56114	8696
PCDHGA10	2.92043	3.35732	2.28015	2.69389	2.59634	2.8583	protocadherin gamma subfamily A, 10 [Source:HGNC Symbol;Acc	chr5:14071	NM_01891	.	.	.	NP_06173	.	protein_co	ENSG0000	56106	8697
PCDHGA11	0.209166	0.06547	0.225068	0.122289	0.110104	0.073874	protocadherin gamma subfamily A, 11 [Source:HGNC Symbol;Acc	chr5:14071	NM_01891	.	.	.	NP_06173	.	protein_co	ENSG0000	56105	8698
PCDHGA12	0.063736	0.128465	5E-161	1.51E-60	7.37E-79	0.033037	protocadherin gamma subfamily A, 12 [Source:HGNC Symbol;Acc	chr5:14071	NM_00373	.	.	.	NP_00372	.	protein_co	ENSG0000	26025	8699
PCDHGA2	6E-106	0.035519	4.1E-151	6.92E-57	0.081501	0.037681	protocadherin gamma subfamily A, 2 [Source:HGNC Symbol;Acc:H	chr5:14071	NM_01891	.	.	.	NP_06173	.	protein_co	ENSG0000	56113	8700
PCDHGA3	0.03364	1.47E-72	6.8E-155	3.58E-58	0.077418	0.035717	protocadherin gamma subfamily A, 3 [Source:HGNC Symbol;Acc:H	chr5:14071	NM_01891	.	.	.	NP_06173	.	protein_co	ENSG0000	56112	8701
PCDHGA4	0.027246	0.056317	2.9E-176	0.030403	0.031221	0.057345	protocadherin gamma subfamily A, 4 [Source:HGNC Symbol;Acc:H	chr5:14071	NM_01891	.	.	.	NP_06174	.	protein_co	ENSG0000	56111	8702
PCDHGA5	0.032526	8.11E-75	0.106158	1.05E-59	0.026004	0.03455	protocadherin gamma subfamily A, 5 [Source:HGNC Symbol;Acc:H	chr5:14071	NM_01891	.	.	.	NP_06174	.	protein_co	ENSG0000	56110	8703
PCDHGA6	0.098033	0.065567	0.142451	0.017343	0.075823	0.035077	protocadherin gamma subfamily A, 6 [Source:HGNC Symbol;Acc:H	chr5:14071	NM_01891	.	.	.	NP_06174	.	protein_co	ENSG0000	56109	8704
PCDHGA7	1.7E-114	6.35E-76	2.4E-162	0.069419	0.036236	3.3E-184	protocadherin gamma subfamily A, 7 [Source:HGNC Symbol;Acc:H	chr5:14071	NM_01892	.	.	.	NP_06174	.	protein_co	ENSG0000	56108	8705
PCDHGA8	0.06885	0.105831	0.028137	0.115075	0.118403	0.216313	protocadherin gamma subfamily A, 8 [Source:HGNC Symbol;Acc:H	chr5:14071	NM_01400	.	.	.	NP_05472	.	protein_co	ENSG0000	9708	8706
PCDHGA9	0.176863	0.229177	0.207402	0.105646	0.107853	0.130181	protocadherin gamma subfamily A, 9 [Source:HGNC Symbol;Acc:H	chr5:14071	NM_01892	.	.	.	NP_06174	.	protein_co	ENSG0000	56107	8707
PCDHGB1	6.8E-110	0.067771	0.027058	0.036737	0.113819	4E-179	protocadherin gamma subfamily B, 1 [Source:HGNC Symbol;Acc:H	chr5:14071	NM_01892	.	.	.	NP_06174	.	protein_co	ENSG0000	56104	8708
PCDHGB2	0.215423	0.554681	0.220631	0.28983	0.455978	0.457908	protocadherin gamma subfamily B, 2 [Source:HGNC Symbol;Acc:H	chr5:14071	NM_01892	.	.	.	NP_06174	.	protein_co	ENSG0000	56103	8709
PCDHGB3	3.1E-118	0.061874	0.024719	0.033238	0.035076	0.064644	protocadherin gamma subfamily B, 3 [Source:HGNC Symbol;Acc:H	chr5:14071	NM_01892	.	.	.	NP_06174	.	protein_co	ENSG0000	56102	8710
PCDHGB4	1.5E-106	7.88E-71	1.1E-152	0.044691	0.039917	0.019664	protocadherin gamma subfamily B, 4 [Source:HGNC Symbol;Acc:H	chr5:14071	NM_00373	.	.	.	NP_00372	.	protein_co	ENSG0000	8641	8711
PCDHGB5	1.3E-108	4.67E-72	2E-154	2.14E-57	1.13E-76	0.035392	protocadherin gamma subfamily B, 5 [Source:HGNC Symbol;Acc:H	chr5:14071	NM_01892	.	.	.	NP_06174	.	protein_co	ENSG0000	56101	8712
PCDHGB6	0.034828	0.039881	0.016501	7.39E-56	4.86E-75	2.6E-172	protocadherin gamma subfamily B, 6 [Source:HGNC Symbol;Acc:H	chr5:14071	NM_01892	.	.	.	NP_06174	.	protein_co	ENSG0000	56100	8713
PCDHGB7	0.376839	0.096452	0.285764	0.280425	0.181188	0.214615	protocadherin gamma subfamily B, 7 [Source:HGNC Symbol;Acc:H	chr5:14071	NM_01892	.	.	.	NP_06175	.	protein_co	ENSG0000	56099	8714
PCDHGC3	0.002962	0.115021	0.054419	0.142501	0.431959	1.31484	protocadherin gamma subfamily C, 3 [Source:HGNC Symbol;Acc:H	chr5:14071	NM_00258	.	.	.	NP_00257	.	protein_co	ENSG0000	5098	8716
PCDHGC4	0.031993	1.92E-48	0.026156	6.86E-44	0.064187	0.000777	protocadherin gamma subfamily C, 4 [Source:HGNC Symbol;Acc:H	chr5:14071	NM_01892	.	.	.	NP_06175	.	protein_co	ENSG0000	56098	8717
PCDHGC5	0.087829	7.06E-80	0.047175	0.032032	0.033632	0.062323	protocadherin gamma subfamily C, 5 [Source:HGNC Symbol;Acc:H	chr5:14071	NM_01892	.	.	.	NP_06175	.	protein_co	ENSG0000	56097	8718
PCED1A	10.1191	9.9721	11.0483	10.9502	8.60152	8.96554	PC-esterase domain containing 1A [Source:HGNC Symbol;Acc:HG	chr20:2815	NM_00127	XM_00526	.	.	NP_00125	XP_00526	protein_co	ENSG0000	64773	16212
PCED1B	0.239133	0.290851	0.3737	0.46604	0.220352	0.630608	PC-esterase domain containing 1B [Source:HGNC Symbol;Acc:HG	chr12:4746	NM_00128	XM_01153	.	.	NP_00126	XP_00526	protein_co	ENSG0000	91523	28255
PCF11	8.46329	8.89988	7.21303	8.88679	10.7315	9.3853	PCF11 cleavage and polyadenylation factor subunit [Source:HGN	chr11:8286	NM_01588	XM_00527	.	.	NP_05696	XP_00527	protein_co	ENSG0000	51585	30097
PCGF1	13.4265	11.9799	11.0228	13.2416	10.111	10.2623	polycomb group ring finger 1 [Source:HGNC Symbol;Acc:HGNC:1	chr2:74732	NM_03267	.	.	.	NP_11606	.	protein_co	ENSG0000	84759	17615
PCGF2	21.8609	22.5686	20.3467	25.3536	21.6689	19.7234	polycomb group ring finger 2 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3688	NM_00714	XM_00525	.	.	NP_00907	XP_00525	protein_co	ENSG0000	7703	12929
PCGF3	21.9185	23.6001	30.1591	26.2505	24.0688	25.1368	polycomb group ring finger 3 [Source:HGNC Symbol;Acc:HGNC:1	chr4:69955	NM_00631	XM_00671	.	.	NP_00130	XP_00527	protein_co	ENSG0000	10336	10066
PCGF5	6.3414	7.70545	6.07957	5.53293	6.60438	6.29789	polycomb group ring finger 5 [Source:HGNC Symbol;Acc:HGNC:2	chr10:9292	NM_00125	XM_01701	NR_04643	.	NP_00124	XP_00671	protein_co	ENSG0000	84333	28264
PCGF6	13.0654	12.6528	11.3097	15.3148	17.6325	12.6035	polycomb group ring finger 6 [Source:HGNC Symbol;Acc:HGNC:2	chr10:1050	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	84108	21156
PCID2	36.3266	36.9716	35.1645	40.9316	37.968	33.9494	PCI domain containing 2 [Source:HGNC Symbol;Acc:HGNC:25653	chr13:1138	NM_00112	XM_01702	.	.	NP_00112	XP_00526	protein_co	ENSG0000	55795	25653
PCIF1	10.5204	10.971	9.69681	11.0975	9.00533	9.81828	PDX1 C-terminal inhibiting factor 1 [Source:HGNC Symbol;Acc:HG	chr20:4456	NM_02210	XM_01152	.	.	NP_07138	XP_01152	protein_co	ENSG0000	63935	16200
PCK1	0	0	0	0	0	0	phosphoenolpyruvate carboxykinase 1 [Source:HGNC Symbol;Acc	chr20:5613	NM_00259	.	.	.	NP_00258	.	protein_co	ENSG0000	5105	8724
PCK2	30.27	29.4787	14.2878	18.4936	16.9985	90.8514	phosphoenolpyruvate carboxykinase 2, mitochondrial [Source:HG	chr14:2454	NM_00101	XM_01153	.	.	NP_00101	XP_00672	protein_co	ENSG0000	5106	8725
PCLO	1.2879	1.36933	0.905701	0.540296	0.61481	0.877522	piccolo presynaptic cytomatrix protein [Source:HGNC Symbol;Acc	chr7:82383	NM_01451	.	.	.	NP_05532	.	protein_co	ENSG0000	27445	13406
PCM1	19.8186	19.0392	19.1697	19.2441	24.6122	25.6111	pericentriolar material 1 [Source:HGNC Symbol;Acc:HGNC:8727]	chr8:17780	NM_00131	XM_01154	.	.	NP_00130	XP_00527	protein_co	ENSG0000	5108	8727
PCMT1	53.944	52.5571	48.0764	67.5645	59.2825	62.0615	protein-L-isoaspartate (D-aspartate) O-methyltransferase [Source	chr6:15007	NM_00125	.	.	.	NP_00123	.	protein_co	ENSG0000	5110	8728
PCMTD1	6.91581	5.03729	7.32163	3.37186	4.93989	7.38701	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain	chr8:52730	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	115294	30483
PCMTD2	12.5177	12.8228	16.8627	11.5725	12.4482	15.984	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain	chr20:6288	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	55251	15882
PCNA	291.775	263.823	251.953	351.439	323.435	262.391	proliferating cell nuclear antigen [Source:HGNC Symbol;Acc:HGN	chr20:5095	NM_00259	.	.	.	NP_00258	.	protein_co	ENSG0000	5111	8729
PCNP	59.8226	80.7682	74.4315	72.6897	70.4194	84.5972	PEST proteolytic signal containing nuclear protein [Source:HGNC	chr3:10129	NM_00132	.	.	.	NP_00130	.	protein_co	ENSG0000	57092	30023
PCNT	6.23115	6.57737	6.12735	5.46539	5.89698	5.31215	pericentrin [Source:HGNC Symbol;Acc:HGNC:16068]	chr21:4774	NM_00603	XM_01152	.	.	NP_00602	XP_00526	protein_co	ENSG0000	5116	16068
PCNX1	8.67692	8.57524	11.2927	6.8536	7.85996	9.51375	pecanex homolog 1 (Drosophila) [Source:HGNC Symbol;Acc:HGN	chr14:7137	NM_00130	XM_00672	.	.	NP_00129	XP_00526	protein_co	ENSG0000	22990	19740
PCNX2	3.99814	4.58361	4.22483	4.17261	5.08263	4.64937	pecanex homolog 2 (Drosophila) [Source:HGNC Symbol;Acc:HGN	chr1:23308	NM_01480	XM_00527	.	.	NP_05561	XP_01685	protein_co	ENSG0000	80003	8736
PCNX3	17.6766	18.5326	17.6533	16.6507	16.6968	13.8994	pecanex homolog 3 (Drosophila) [Source:HGNC Symbol;Acc:HGN	chr11:6538	NM_03222	XM_01154	.	.	NP_11559	XP_00527	protein_co	ENSG0000	399909	18760
PCNX4	15.9263	15.4349	16.8611	14.2433	19.9754	17.6274	pecanex homolog 4 (Drosophila) [Source:HGNC Symbol;Acc:HGN	chr14:6055	NM_02249	XM_00526	.	.	NP_07194	XP_00526	protein_co	ENSG0000	64430	20349
PCOLCE	1.94666	2.61381	1.99895	2.15266	1.81236	1.07521	procollagen C-endopeptidase enhancer [Source:HGNC Symbol;Ac	chr7:10019	NM_00259	.	.	.	NP_00258	.	protein_co	ENSG0000	5118	8738
PCOLCE2	4.19879	4.34696	4.54275	7.67984	6.63768	5.29445	procollagen C-endopeptidase enhancer 2 [Source:HGNC Symbol;	chr3:14253	NM_01336	.	.	.	NP_03749	.	protein_co	ENSG0000	26577	8739
PCP2	0	0	0	0	0.225347	0	Purkinje cell protein 2 [Source:HGNC Symbol;Acc:HGNC:30209]	chr19:7694	NM_00127	XM_01152	.	.	NP_00125	XP_01152	protein_co	ENSG0000	126006	30209
PCP4	0	0	0	0	0.111625	0	Purkinje cell protein 4 [Source:HGNC Symbol;Acc:HGNC:8742]	chr21:4123	NM_00619	.	.	.	NP_00618	.	protein_co	ENSG0000	5121	8742

PCP4L1	0	0	0	0.165212	0	0	Purkinje cell protein 4 like 1 [Source:HGNC Symbol;Acc:HGNC:20	chr1:16122	NM_0011	.	.	.	NP_00109	XP_016857	protein_co	ENSG0000	654790	20448
PCSK1	0	0	0	0	0	0	proprotein convertase subtilisin/kexin type 1 [Source:HGNC Symb	chr5:95726	NM_00043	.	.	.	NP_00043	.	protein_co	ENSG0000	5122	8743
PCSK1N	0	0	0	0.179631	0	0	proprotein convertase subtilisin/kexin type 1 inhibitor [Source:H	chrX:48689	NM_01327	.	.	.	NP_03740	.	protein_co	ENSG0000	27344	17301
PCSK2	0	0	0	0	0	0	proprotein convertase subtilisin/kexin type 2 [Source:HGNC Symb	chr20:1720	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	5126	8744
PCSK4	0.921465	0.778759	1.14517	0.522421	0.757288	0.773321	proprotein convertase subtilisin/kexin type 4 [Source:HGNC Symb	chr19:1481	NM_01757	XM_01152	.	.	NP_06004	XP_011526	protein_co	ENSG0000	54760	8746
PCSK5	1.81168	1.56198	1.82324	1.24962	1.67573	1.34361	proprotein convertase subtilisin/kexin type 5 [Source:HGNC Symb	chr9:78505	NM_00119	XM_01151	.	.	NP_00117	XP_005252	protein_co	ENSG0000	5125	8747
PCSK6	3.76822	3.42082	4.20348	3.68765	3.71809	2.93103	proprotein convertase subtilisin/kexin type 6 [Source:HGNC Symb	chr15:1018	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	5046	8569
PCSK7	7.55256	7.74065	7.88411	7.06054	6.27354	3.98203	proprotein convertase subtilisin/kexin type 7 [Source:HGNC Symb	chr11:1170	NM_00471	XM_00671	.	.	NP_00470	.	protein_co	ENSG0000	9159	8748
PCSK9	16.9743	17.2124	22.0554	29.5649	31.0537	29.9996	proprotein convertase subtilisin/kexin type 9 [Source:HGNC Symb	chr1:55505	NM_17493	.	.	.	NP_77759	.	protein_co	ENSG0000	255738	20001
PCTP	13.4984	12.2413	15.9749	15.2394	14.0361	21.1863	phosphatidylcholine transfer protein [Source:HGNC Symbol;Acc:H	chr17:5382	NM_00110	XM_00525	.	.	NP_00109	XP_005257	protein_co	ENSG0000	58488	8752
PCYOX1	14.2184	14.1413	16.2947	15.104	17.764	16.1456	prenylcysteine oxidase 1 [Source:HGNC Symbol;Acc:HGNC:20588	chr2:70485	NM_01629	.	.	.	NP_05738	.	protein_co	ENSG0000	51449	20588
PCYOX1L	12.7113	12.1782	13.7613	11.5507	12.7441	11.4287	prenylcysteine oxidase 1 like [Source:HGNC Symbol;Acc:HGNC:28	chr5:14873	NM_00130	XM_01153	.	.	NP_00128	XP_011535	protein_co	ENSG0000	78991	28477
PCYT1A	18.7349	19.3218	17.7837	21.1947	19.7234	16.5487	phosphate cytidylyltransferase 1, choline, alpha [Source:HGNC Sy	chr3:19594	NM_00501	.	.	.	NP_00129	.	protein_co	ENSG0000	5130	8754
PCYT1B	0	0	0	0	0	0	phosphate cytidylyltransferase 1, choline, beta [Source:HGNC Sym	chrX:24576	NM_00116	XM_01702	.	.	NP_00115	XP_016885	protein_co	ENSG0000	9468	8755
PCYT2	26.6486	25.313	27.879	30.6644	28.7578	19.462	phosphate cytidylyltransferase 2, ethanolamine [Source:HGNC Sy	chr17:7984	NM_00118	XM_01702	.	.	NP_00117	XP_005256	protein_co	ENSG0000	5833	8756
PDAP1	88.2754	85.2339	70.3277	88.975	74.4549	70.054	PDGFA associated protein 1 [Source:HGNC Symbol;Acc:HGNC:14	chr7:98992	NM_01489	.	.	.	NP_05570	.	protein_co	ENSG0000	11333	14634
PDC	0	0	0	0	0	0	phosducin [Source:HGNC Symbol;Acc:HGNC:8759]	chr1:18641	NM_00259	XM_01150	.	.	NP_00258	XP_011507	protein_co	ENSG0000	5132	8759
PDCD1	0	0.126214	0.111091	0.045721	0	0.048965	programmed cell death 1 [Source:HGNC Symbol;Acc:HGNC:8760]	chr2:24279	NM_00501	XM_01700	.	.	NP_00500	XP_016859	protein_co	ENSG0000	5133	8760
PDCD10	30.9089	28.0422	29.0258	31.1179	40.7969	42.9995	programmed cell death 10 [Source:HGNC Symbol;Acc:HGNC:876	chr3:16740	NM_00721	XM_01700	.	.	NP_00914	XP_005247	protein_co	ENSG0000	11235	8761
PDCD11	39.2154	43.0395	40.094	44.0052	40.7531	32.5817	programmed cell death 11 [Source:HGNC Symbol;Acc:HGNC:134	chr10:1051	NM_01497	XM_01153	.	.	NP_05579	XP_005269	protein_co	ENSG0000	22984	13408
PDCD1LG2	0	0	0	0	0	0	programmed cell death 1 ligand 2 [Source:HGNC Symbol;Acc:HGN	chr9:55105	NM_02523	XM_00525	.	.	NP_07951	XP_005251	protein_co	ENSG0000	80380	18731
PDCD2	73.9663	75.4288	79.1736	93.3081	79.7674	71.2376	programmed cell death 2 [Source:HGNC Symbol;Acc:HGNC:8762]	chr6:17088	NM_00119	XM_01701	.	.	NP_00118	XP_016866	protein_co	ENSG0000	5134	8762
PDCD2L	23.8776	23.0532	20.8997	24.5621	18.1331	17.8393	programmed cell death 2 like [Source:HGNC Symbol;Acc:HGNC:2	chr19:3485	NM_03234	.	.	.	NP_11572	.	protein_co	ENSG0000	84306	28194
PDCD4	12.2077	12.5134	17.1345	5.01139	6.07734	15.8972	programmed cell death 4 (neoplastic transformation inhibitor) [S	chr10:1126	NM_00119	.	NR_03982	.	NP_00118	.	protein_co	ENSG0000	100616113	8763
PDCD5	133.825	117.963	116.604	126.892	139.823	121.486	programmed cell death 5 [Source:HGNC Symbol;Acc:HGNC:8764]	chr19:3307	NM_00470	XM_00525	.	.	NP_00469	XP_005259	protein_co	ENSG0000	9141	8764
PDCD6	95.1675	94.3016	87.5165	108.31	88.6808	75.3468	programmed cell death 6 [Source:HGNC Symbol;Acc:HGNC:8765]	chr5:27173	NM_00126	.	.	.	NP_00125	.	protein_co	ENSG0000	10016	8765
PDCD6IP	30.8739	30.8832	30.4661	26.9302	30.7769	30.7658	programmed cell death 6 interacting protein [Source:HGNC Symb	chr3:33839	NM_00116	XM_01700	.	.	NP_00115	XP_011531	protein_co	ENSG0000	10015	8766
PDCD7	19.7305	20.714	17.9887	18.0535	19.1312	16.2941	programmed cell death 7 [Source:HGNC Symbol;Acc:HGNC:8767]	chr15:6540	NM_00570	.	.	.	NP_00569	.	protein_co	ENSG0000	10081	8767
PDCL	11.5604	13.1543	12.8599	13.029	12.0086	12.0421	phosducin like [Source:HGNC Symbol;Acc:HGNC:8770]	chr9:12558	NM_00538	.	.	.	NP_00537	.	protein_co	ENSG0000	5082	8770
PDCL2	0.089708	0.096521	0.079052	0.102155	0.298053	0.173607	phosducin like 2 [Source:HGNC Symbol;Acc:HGNC:29524]	chr4:56422	NM_15240	.	.	.	NP_68961	.	protein_co	ENSG0000	132954	29524
PDCL3	29.7713	29.8851	23.0165	30.5559	24.5896	22.6808	phosducin like 3 [Source:HGNC Symbol;Acc:HGNC:28860]	chr2:10117	NM_02406	.	.	.	NP_07697	.	protein_co	ENSG0000	79031	28860
PDDC1	14.6211	17.307	17.018	13.2311	12.3258	13.4436	Parkinson disease 7 domain containing 1 [Source:HGNC Symbol;A	chr11:7672	NM_00131	XM_00525	.	.	NP_00130	XP_005252	protein_co	ENSG0000	347862	26616
PDE10A	0.138619	0.147592	0.150605	0.15752	0.096916	0.017205	phosphodiesterase 10A [Source:HGNC Symbol;Acc:HGNC:8772]	chr6:16574	NM_00113	XM_01701	.	.	NP_00112	XP_006715	protein_co	ENSG0000	10846	8772
PDE11A	0.188893	0.199184	0.460379	0.281009	0.237106	0.349429	phosphodiesterase 11A [Source:HGNC Symbol;Acc:HGNC:8773]	chr2:17848	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	50940	8773
PDE12	17.7562	18.6095	20.6373	20.674	21.7381	16.6275	phosphodiesterase 12 [Source:HGNC Symbol;Acc:HGNC:25386]	chr3:57542	NM_17796	.	.	.	NP_00130	.	protein_co	ENSG0000	201626	25386
PDE1A	0.108364	0	0.031452	0	0	0.03409	phosphodiesterase 1A [Source:HGNC Symbol;Acc:HGNC:8774]	chr2:18300	NM_00100	XM_01700	.	.	NP_00100	XP_011509	protein_co	ENSG0000	5136	8774
PDE1B	0.118193	0.04149	0	0.04266	0	0.032207	phosphodiesterase 1B [Source:HGNC Symbol;Acc:HGNC:8775]	chr12:5494	NM_00092	XM_01153	.	.	NP_00091	XP_011536	protein_co	ENSG0000	5153	8775
PDE1C	0	0	0.023425	0	0.031706	0	phosphodiesterase 1C [Source:HGNC Symbol;Acc:HGNC:8776]	chr7:31790	NM_00119	XM_01701	.	.	NP_00117	XP_016867	protein_co	ENSG0000	5137	8776
PDE2A	1.4606	1.39671	2.28991	2.05245	1.86445	2.48988	phosphodiesterase 2A [Source:HGNC Symbol;Acc:HGNC:8777]	chr11:7228	NM_00114	XM_01154	.	.	NP_00113	XP_005274	protein_co	ENSG0000	5138	8777
PDE3A	0.074748	0.045319	0.046432	0.012098	0.011889	0.105591	phosphodiesterase 3A [Source:HGNC Symbol;Acc:HGNC:8778]	chr12:2052	NM_00092	XM_00671	.	.	NP_00091	XP_016874	protein_co	ENSG0000	5139	8778
PDE3B	1.94675	2.25068	2.6029	2.00029	2.9972	3.10939	phosphodiesterase 3B [Source:HGNC Symbol;Acc:HGNC:8779]	chr11:1466	NM_00092	.	.	.	NP_00091	.	protein_co	ENSG0000	5140	8779
PDE4A	12.9506	13.1235	14.022	14.3118	13.1987	10.1509	phosphodiesterase 4A [Source:HGNC Symbol;Acc:HGNC:8780]	chr19:1052	NM_00111	XM_01702	.	.	NP_00110	XP_011526	protein_co	ENSG0000	5141	8780
PDE4B	28.8891	27.8774	26.0951	48.4957	52.6521	49.9848	phosphodiesterase 4B [Source:HGNC Symbol;Acc:HGNC:8781]	chr1:66258	NM_00103	XM_01154	.	.	NP_00103	XP_005270	protein_co	ENSG0000	5142	8781
PDE4C	0.422683	0.270479	0.541993	0.348068	0.273025	0.20652	phosphodiesterase 4C [Source:HGNC Symbol;Acc:HGNC:8782]	chr19:1831	NM_00092	XM_01152	NR_03657	.	NP_00091	XP_011526	protein_co	ENSG0000	729966	8782
PDE4D	0.433342	0.379159	0.320448	0.479324	0.430669	1.38383	phosphodiesterase 4D [Source:HGNC Symbol;Acc:HGNC:8783]	chr5:58264	NM_00110	XM_01700	.	.	NP_00109	XP_005248	protein_co	ENSG0000	5144	8783
PDE4DIP	7.55426	6.24088	5.59599	6.6826	6.79274	6.56054	phosphodiesterase 4D interacting protein [Source:HGNC Symbol;	chr1:14485	NM_00100	XM_01700	.	.	NP_00100	XP_005273	protein_co	ENSG0000	653513	15580
PDE5A	1.007	0.803445	1.52963	0.939865	0.809138	1.1995	phosphodiesterase 5A [Source:HGNC Symbol;Acc:HGNC:8784]	chr4:12041	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	8654	8784
PDE6A	0	0	0	0	0	0	phosphodiesterase 6A [Source:HGNC Symbol;Acc:HGNC:8785]	chr5:14923	NM_00044	XM_01153	.	.	NP_00043	XP_011535	protein_co	ENSG0000	5145	8785
PDE6B	0	0	0	0	0	0	phosphodiesterase 6B [Source:HGNC Symbol;Acc:HGNC:8786]	chr4:61937	NM_00028	XM_01151	.	.	NP_00027	XP_011511	protein_co	ENSG0000	5158	8786
PDE6C	0	0	0	0.021514	0.02127	0.018961	phosphodiesterase 6C [Source:HGNC Symbol;Acc:HGNC:8787]	chr10:9537	NM_00620	.	.	.	NP_00619	.	protein_co	ENSG0000	5146	8787
PDE6D	22.1423	24.271	25.701	23.2806	19.0093	25.8778	phosphodiesterase 6D [Source:HGNC Symbol;Acc:HGNC:8788]	chr2:23259	NM_00129	.	NR_11099	.	NP_00127	.	protein_co	ENSG0000	5147	8788
PDE6G	0.390817	0	0.066425	0	0	0.085267	phosphodiesterase 6G [Source:HGNC Symbol;Acc:HGNC:8789]	chr17:7961	NM_00260	XM_01702	.	.	NP_00259	XP_006722	protein_co	ENSG0000	5148	8789
PDE6H	0	0	0	0	0	0	phosphodiesterase 6H [Source:HGNC Symbol;Acc:HGNC:8790]	chr12:1512	NM_00620	.	.	.	NP_00619	XP_016874	protein_co	ENSG0000	5149	8790
PDE7A	9.36066	8.30794	10.7593	10.5248	11.8034	11.298	phosphodiesterase 7A [Source:HGNC Symbol;Acc:HGNC:8791]	chr8:66629	NM_00124	XM_01151	.	.	NP_00122	XP_011515	protein_co	ENSG0000	5150	8791
PDE7B	0.261978	0.212084	0.279551	0.261096	0.274136	0.380569	phosphodiesterase 7B [Source:HGNC Symbol;Acc:HGNC:8792]	chr6:13617	NM_01894	XM_01153	.	.	NP_06181	XP_005266	protein_co	ENSG0000	27115	8792
PDE8A	11.9182	10.5653	10.9071	9.64382	9.45456	11.0099	phosphodiesterase 8A [Source:HGNC Symbol;Acc:HGNC:8793]	chr15:8552	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	5151	8793
PDE8B	0.090552	0.115604	0.097618	0.025621	0.030498	0.100513	phosphodiesterase 8B [Source:HGNC Symbol;Acc:HGNC:8794]	chr5:76506	NM_00102	XM_01154	.	.	NP_00102	XP_005248	protein_co	ENSG0000	8622	8794
PDE9A	8.28537	8.05949	11.693	10.2956	8.63908	11.3184	phosphodiesterase 9A [Source:HGNC Symbol;Acc:HGNC:8795]	chr21:4407	NM_00100	XM_01702	.	.	NP_00100	XP_011527	protein_co	ENSG0000	5152	8795
PDF	44.0046	39.8554	46.9018	47.7068	43.8582	42.9516	peptide deformylase (mitochondrial) [Source:HGNC Symbol;Acc:H	chr16:6936	NM_02234	.	.	.	NP_07173	.	protein_co	ENSG0000	64146	30012

PDGFA	11.8495	10.3077	11.0443	7.07842	7.34769	7.72564	platelet derived growth factor subunit A [Source:HGNC Symbol;A	chr7:53689	NM_00260	.	.	.	NP_00259	XP_011513	protein_co	ENSG0000	5154	8799
PDGFB	12.3692	12.3557	8.35132	4.52866	3.83153	5.40294	platelet derived growth factor subunit B [Source:HGNC Symbol;A	chr22:3961	NM_00260	.	.	.	NP_00259	.	protein_co	ENSG0000	5155	8800
PDGFC	3.7837	4.42249	3.85311	1.99407	2.60732	3.12016	platelet derived growth factor C [Source:HGNC Symbol;Acc:HGNC	chr4:15768	NM_01620	.	.	.	NP_05728	XP_016863	protein_co	ENSG0000	56034	8801
PDGFD	0	0	0	0	0	0	platelet derived growth factor D [Source:HGNC Symbol;Acc:HGNC	chr11:1037	NM_02520	.	.	.	NP_07948	.	protein_co	ENSG0000	80310	30620
PDGFRA	0.034931	0	0	0	0	0	platelet derived growth factor receptor alpha [Source:HGNC Sym	chr4:54243	NM_00620	XM_01700	.	.	NP_00619	XP_005265	protein_co	ENSG0000	5156	8803
PDGFRB	0.035869	0.059915	0.123752	0.181245	0.041213	0.23284	platelet derived growth factor receptor beta [Source:HGNC Symb	chr5:14949	NM_00260	XM_01153	.	.	NP_00260	XP_005268	protein_co	ENSG0000	5159	8804
PDGFRL	7.49401	6.47068	6.57659	6.24056	4.27661	4.38841	platelet derived growth factor receptor like [Source:HGNC Symbo	chr8:17433	NM_00620	XM_01154	.	.	NP_00619	XP_011542	protein_co	ENSG0000	5157	8805
PDHA1	74.5445	72.571	63.8101	87.219	69.6652	64.7858	pyruvate dehydrogenase (lipoamide) alpha 1 [Source:HGNC Symb	chrX:19362	NM_00028	XM_01154	.	.	NP_00027	.	protein_co	ENSG0000	5160	8806
PDHA2	0	0	0	0	0	0	pyruvate dehydrogenase (lipoamide) alpha 2 [Source:HGNC Symb	chr4:96761	NM_00539	.	.	.	NP_00538	.	protein_co	ENSG0000	5161	8807
PDHB	58.5204	57.9041	59.1798	59.0629	56.5473	61.0405	pyruvate dehydrogenase (lipoamide) beta [Source:HGNC Symbol;	chr3:58413	NM_00092	XM_01153	NR_03338	.	NP_00091	XP_011532	protein_co	ENSG0000	5162	8808
PDHX	13.3178	13.1185	14.9396	14.4044	13.068	13.0504	pyruvate dehydrogenase complex component X [Source:HGNC Sy	chr11:3490	NM_00113	XM_01152	.	.	NP_00112	XP_011518	protein_co	ENSG0000	8050	21350
PDIA2	0	0	0.0482	0	0	0.062372	protein disulfide isomerase family A member 2 [Source:HGNC Syr	chr16:3331	NM_00684	.	.	.	NP_00684	.	protein_co	ENSG0000	64714	14180
PDIA3	281.273	273.217	162.265	227.987	225.277	239.956	protein disulfide isomerase family A member 3 [Source:HGNC Syr	chr15:4403	NM_00531	.	.	.	NP_00530	.	protein_co	ENSG0000	2923	4606
PDIA4	274.361	284.116	128.087	268.225	245.95	209.723	protein disulfide isomerase family A member 4 [Source:HGNC Syr	chr7:14870	NM_00491	XM_00671	.	.	NP_00490	XP_006716	protein_co	ENSG0000	9601	30167
PDIA5	22.3895	25.2887	23.8632	25.6659	22.3539	27.1129	protein disulfide isomerase family A member 5 [Source:HGNC Syr	chr3:12278	NM_00681	.	NR_10696	.	NP_00680	.	protein_co	ENSG0000	102465667	24811
PDIA6	157.832	160.282	99.9825	163.55	156.762	163.02	protein disulfide isomerase family A member 6 [Source:HGNC Syr	chr2:10861	NM_00128	XM_01151	.	.	NP_00126	XP_011508	protein_co	ENSG0000	10130	30168
PDIK1L	4.89524	4.6893	4.37112	4.66312	4.60487	4.92538	PDLIM1 interacting kinase 1 like [Source:HGNC Symbol;Acc:HGNC	chr1:26437	NM_00124	XM_00524	.	.	NP_00123	XP_005245	protein_co	ENSG0000	149420	18981
PDILT	0	0	0	0	0	0	protein disulfide isomerase like, testis expressed [Source:HGNC S	chr16:2037	NM_17492	XM_00672	.	.	NP_77758	.	protein_co	ENSG0000	204474	27338
PDK1	4.95559	5.0521	7.29561	5.10458	4.34295	5.94704	pyruvate dehydrogenase kinase 1 [Source:HGNC Symbol;Acc:HGN	chr2:17342	NM_00127	XM_01151	.	.	NP_00126	XP_011509	protein_co	ENSG0000	5163	8809
PDK2	14.1578	16.2829	14.5088	14.5	11.3638	10.5153	pyruvate dehydrogenase kinase 2 [Source:HGNC Symbol;Acc:HGN	chr17:4817	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	5164	8810
PDK3	4.23848	5.48013	5.04261	6.85358	6.49588	6.50163	pyruvate dehydrogenase kinase 3 [Source:HGNC Symbol;Acc:HGN	chrX:24483	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	5165	8811
PDK4	0.583695	0.880854	1.05707	0.482957	0.771503	0.992081	pyruvate dehydrogenase kinase 4 [Source:HGNC Symbol;Acc:HGN	chr7:95212	NM_00261	.	.	.	NP_00260	.	protein_co	ENSG0000	5166	8812
PDLIM1	29.2887	34.2954	35.2387	42.9102	37.9928	37.3016	PDZ and LIM domain 1 [Source:HGNC Symbol;Acc:HGNC:2067]	chr10:9699	NM_02099	XM_01154	.	.	NP_06627	XP_011538	protein_co	ENSG0000	9124	2067
PDLIM2	17.0042	14.522	12.814	21.4969	17.8677	10.8625	PDZ and LIM domain 2 [Source:HGNC Symbol;Acc:HGNC:13992]	chr8:22436	NM_02163	.	.	.	NP_06764	.	protein_co	ENSG0000	64236	13992
PDLIM3	4.48423	4.71704	6.75864	7.46465	6.50184	10.0839	PDZ and LIM domain 3 [Source:HGNC Symbol;Acc:HGNC:20767]	chr4:18642	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	27295	20767
PDLIM4	0.038332	0	0.032936	0.09121	0.044348	0	PDZ and LIM domain 4 [Source:HGNC Symbol;Acc:HGNC:16501]	chr5:13159	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	8572	16501
PDLIM5	27.8124	30.0347	40.3155	53.5732	56.8663	67.5698	PDZ and LIM domain 5 [Source:HGNC Symbol;Acc:HGNC:17468]	chr4:95373	NM_00101	XM_01700	.	.	NP_00101	XP_005262	protein_co	ENSG0000	10611	17468
PDLIM7	50.9791	60.1316	51.0564	60.0751	48.6432	53.6138	PDZ and LIM domain 7 [Source:HGNC Symbol;Acc:HGNC:22958]	chr5:17691	NM_00545	XM_01153	.	.	NP_00544	XP_011533	protein_co	ENSG0000	9260	22958
PDP1	401.396	418.513	394.701	386.294	428.746	536.515	pyruvate dehyrogenase phosphatase catalytic subunit 1 [Source:I	chr8:94929	NM_00116	XM_01701	.	.	NP_00115	XP_011515	protein_co	ENSG0000	54704	9279
PDP2	5.63952	6.57445	8.36616	6.26297	6.81673	6.42522	pyruvate dehyrogenase phosphatase catalytic subunit 2 [Source:I	chr16:6691	NM_02078	XM_01702	.	.	NP_06583	XP_005256	protein_co	ENSG0000	57546	30263
PDPK1	11.9336	12.7725	11.672	10.4509	11.8312	11.7363	3-phosphoinositide dependent protein kinase 1 [Source:HGNC Sy	chr16:2587	NM_00126	XM_01152	.	.	NP_00124	XP_005255	protein_co	ENSG0000	5170	8816
PDPN	0	0	0	0	0	0	podoplanin [Source:HGNC Symbol;Acc:HGNC:29602]	chr1:13909	NM_00100	XM_00671	.	.	NP_00100	XP_006710	protein_co	ENSG0000	10630	29602
PDPR	13.965	14.1664	14.4562	10.8582	12.321	10.7677	pyruvate dehydrogenase phosphatase regulatory subunit [Source	chr16:7014	NM_00132	XM_00672	.	.	NP_00130	XP_005256	protein_co	ENSG0000	55066	30264
PDRG1	18.6876	21.7538	17.2396	24.959	19.2788	17.0174	p53 and DNA damage regulated 1 [Source:HGNC Symbol;Acc:HGN	chr20:3043	NM_03081	XM_00526	.	.	NP_11044	XP_005260	protein_co	ENSG0000	81572	16119
PDS5A	31.5444	29.4002	29.5584	31.8354	39.8974	37.1842	PDS5 cohesin associated factor A [Source:HGNC Symbol;Acc:HGN	chr4:39824	NM_00110	XM_01151	.	.	NP_00109	XP_011511	protein_co	ENSG0000	23244	29088
PDS5B	4.86023	4.73729	4.51378	4.67773	6.21787	5.44133	PDS5 cohesin associated factor B [Source:HGNC Symbol;Acc:HGN	chr13:3316	NM_01503	XM_01702	.	.	NP_05584	XP_005266	protein_co	ENSG0000	23047	20418
PDSS1	14.7216	12.8263	11.4771	18.4378	14.6696	12.7955	prenyl (decaprenyl) diphosphate synthase, subunit 1 [Source:HGI	chr10:2698	NM_01431	.	.	.	NP_05513	.	protein_co	ENSG0000	23590	17759
PDSS2	7.32934	7.92083	8.22237	7.21106	6.9042	5.79864	prenyl (decaprenyl) diphosphate synthase, subunit 2 [Source:HGI	chr6:10747	NM_02038	XM_01153	.	.	NP_06511	XP_011534	protein_co	ENSG0000	57107	23041
PDX1	1.10276	1.5918	1.37429	2.49054	1.69009	1.93996	pancreatic and duodenal homeobox 1 [Source:HGNC Symbol;Acc	chr13:2849	NM_00020	.	.	.	NP_00020	.	protein_co	ENSG0000	3651	6107
PDXDC1	38.7872	42.6692	42.1894	39.6595	43.2396	35.5389	pyridoxal dependent decarboxylase domain containing 1 [Source	chr16:1506	NM_00128	XM_01703	.	.	NP_00127	XP_005255	protein_co	ENSG0000	102724985	28995
PDXK	19.8733	20.5149	19.7586	22.6596	20.6963	19.4153	pyridoxal (pyridoxine, vitamin B6) kinase [Source:HGNC Symbol;A	chr21:4513	NM_00368	XM_01702	.	.	NP_00367	XP_005261	protein_co	ENSG0000	105372824	8819
PDXP	39.5356	43.0152	37.8851	56.5666	46.6396	42.8834	pyridoxal phosphatase [Source:HGNC Symbol;Acc:HGNC:30259]	chr22:3805	NM_02031	.	.	.	NP_06471	.	protein_co	ENSG0000	57026	30259
PDYN	0	0	0	0.067328	0	0	prodynorphin [Source:HGNC Symbol;Acc:HGNC:8820]	chr20:1959	NM_00119	XM_01152	.	.	NP_00117	XP_011527	protein_co	ENSG0000	5173	8820
PDZD11	30.8886	29.3701	30.172	35.1318	33.401	29.7787	PDZ domain containing 11 [Source:HGNC Symbol;Acc:HGNC:2803	chrX:69506	NM_01648	XM_01153	.	.	NP_05756	XP_011529	protein_co	ENSG0000	51248	28034
PDZD2	0.022202	0.017034	0.053015	0.006107	0.012612	0.046592	PDZ domain containing 2 [Source:HGNC Symbol;Acc:HGNC:18486	chr5:31639	NM_17814	XM_01151	.	.	NP_83526	XP_005248	protein_co	ENSG0000	23037	18486
PDZD3	0	0	0	0	0	0	PDZ domain containing 3 [Source:HGNC Symbol;Acc:HGNC:19891	chr11:1190	NM_00116	XM_01154	.	.	NP_00116	XP_011541	protein_co	ENSG0000	79849	19891
PDZD4	0.069589	0	0.073066	0.12294	0.136491	0.095833	PDZ domain containing 4 [Source:HGNC Symbol;Acc:HGNC:21167	chrX:15306	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	57595	21167
PDZD7	3.2336	2.65202	6.25847	2.29933	2.14034	3.24166	PDZ domain containing 7 [Source:HGNC Symbol;Acc:HGNC:26257	chr10:1027	NM_00119	XM_01154	.	.	NP_00118	XP_005270	protein_co	ENSG0000	79955	26257
PDZD8	16.8491	17.5832	18.3636	14.0824	18.0979	19.3102	PDZ domain containing 8 [Source:HGNC Symbol;Acc:HGNC:26974	chr10:1190	NM_17379	.	.	.	NP_77615	.	protein_co	ENSG0000	118987	26974
PDZD9	0	0.079021	0	0	0	0.071643	PDZ domain containing 9 [Source:HGNC Symbol;Acc:HGNC:28740	chr16:2199	NM_17380	XM_00672	.	.	NP_77616	XP_006721	protein_co	ENSG0000	255762	28740
PDZK1	0.084584	0.109209	0.073973	0.077657	0.076983	0.034546	PDZ domain containing 1 [Source:HGNC Symbol;Acc:HGNC:8821]	chr1:14572	NM_00120	XM_01150	.	.	NP_00118	XP_011507	protein_co	ENSG0000	5174	8821
PDZK1IP1	0.317842	0.210833	0.182149	0.112986	0	0	PDZK1 interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:168	chr1:47649	NM_00576	.	.	.	NP_00575	.	protein_co	ENSG0000	10158	16887
PDZRN3	0	0	0	0	0	0	PDZ domain containing ring finger 3 [Source:HGNC Symbol;Acc:H	chr3:73431	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	23024	17704
PDZRN4	0	0	0.032121	0	0.041551	0	PDZ domain containing ring finger 4 [Source:HGNC Symbol;Acc:H	chr12:4158	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	29951	30552
PEA15	29.3605	29.3519	29.8985	37.2159	29.9738	25.2656	phosphoprotein enriched in astrocytes 15 [Source:HGNC Symbol;	chr1:16017	NM_00129	XM_00671	.	.	NP_00128	XP_006711	protein_co	ENSG0000	8682	8822
PEAK1	3.54501	4.35159	6.5008	3.14037	4.16632	5.98438	pseudopodium enriched atypical kinase 1 [Source:HGNC Symbol;	chr15:7739	NM_02477	XM_01152	.	.	NP_07905	XP_005254	protein_co	ENSG0000	79834	29431
PEAR1	3.89411	4.0203	3.80427	2.77475	2.83021	2.46532	platelet endothelial aggregation receptor 1 [Source:HGNC Symbo	chr1:15686	NM_00108	XM_01700	.	.	NP_00107	XP_005245	protein_co	ENSG0000	375033	33631
PEBP1	211.6	204.644	221.726	230.396	219.415	189.545	phosphatidylethanolamine binding protein 1 [Source:HGNC Symb	chr12:1185	NM_00256	.	.	.	NP_00255	.	protein_co	ENSG0000	5037	8630
PEBP4	0	0	0	0	0	0	phosphatidylethanolamine binding protein 4 [Source:HGNC Symb	chr8:22570	NM_14496	XM_01154	.	.	NP_65939	XP_011542	protein_co	ENSG0000	157310	28319

PECR	5.99609	5.23089	7.6262	6.80383	5.6864	6.69515	peroxisomal trans-2-enoyl-CoA reductase [Source:HGNC Symbol;	chr2:21690	NM_01844	.	.	.	NP_06091	.	protein_co	ENSG0000	55825	18281
PEF1	37.6556	36.4139	26.1707	48.0859	37.7911	28.0614	penta-EF-hand domain containing 1 [Source:HGNC Symbol;Acc:H	chr1:32083	NM_01239	XM_01154	.	.	NP_03652	XP_01154	protein_co	ENSG0000	553115	30009
PEG10	6.58676	6.77746	5.93606	3.30567	3.38157	3.53776	paternally expressed 10 [Source:HGNC Symbol;Acc:HGNC:14005]	chr7:94285	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	23089	14005
PEG3	0	0	0	0	0	0	paternally expressed 3 [Source:HGNC Symbol;Acc:HGNC:8826]	chr19:5728	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	5178	8826
PELI1	2.87051	3.29871	2.51029	2.91375	2.8408	3.76208	pellino E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;Acc:H	chr2:64319	NM_02065	XM_01153	.	.	NP_06570	XP_005264	protein_co	ENSG0000	57162	8827
PELI2	1.02619	0.792086	1.5611	0.194624	0.242148	0.762313	pellino E3 ubiquitin protein ligase family member 2 [Source:HGN	chr14:5658	NM_02125	XM_01153	.	.	NP_06707	XP_011535	protein_co	ENSG0000	57161	8828
PELI3	5.15958	6.52327	5.52852	4.78254	3.46706	3.25787	pellino E3 ubiquitin protein ligase family member 3 [Source:HGN	chr11:6623	NM_00109	XM_01701	.	.	NP_00109	XP_011543	protein_co	ENSG0000	246330	30010
PELO	15.6176	17.8405	15.212	18.7454	16.0752	12.6518	pelota homolog (Drosophila) [Source:HGNC Symbol;Acc:HGNC:88	chr5:52083	NM_01594	.	.	.	NP_05703	.	protein_co	ENSG0000	53918	8829
PELP1	20.2723	22.5337	19.3717	26.5912	23.296	16.6359	proline, glutamate and leucine rich protein 1 [Source:HGNC Symb	chr17:4573	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	27043	30134
PEMT	22.9721	21.9389	17.5604	23.776	18.2604	16.9492	phosphatidylethanolamine N-methyltransferase [Source:HGNC Sy	chr17:1740	NM_00126	XM_00672	.	.	NP_00125	XP_006721	protein_co	ENSG0000	10400	8830
PENK	0	0	0	0	0	0	proenkephalin [Source:HGNC Symbol;Acc:HGNC:8831]	chr8:57353	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	5179	8831
PEPD	19.6719	19.691	21.528	28.8239	22.5841	20.2543	peptidase D [Source:HGNC Symbol;Acc:HGNC:8840]	chr19:3387	NM_00028	.	.	.	NP_00027	.	protein_co	ENSG0000	5184	8840
PER1	9.34017	11.0242	9.66228	8.41604	8.08766	11.6234	period circadian clock 1 [Source:HGNC Symbol;Acc:HGNC:8845]	chr17:8043	NM_00261	XM_00525	NR_10694	.	NP_00260	XP_005256	protein_co	ENSG0000	102465532	8845
PER2	2.39267	2.51799	1.94196	2.15332	2.1764	4.07127	period circadian clock 2 [Source:HGNC Symbol;Acc:HGNC:8846]	chr2:23915	NM_02281	XM_00671	.	.	NP_07372	XP_005246	protein_co	ENSG0000	8864	8846
PER3	1.17543	0.96392	1.14615	0.857088	0.949648	1.65664	period circadian clock 3 [Source:HGNC Symbol;Acc:HGNC:8847]	chr1:78443	NM_00128	XM_01700	.	.	NP_00127	XP_005263	protein_co	ENSG0000	8863	8847
PERM1	0.027219	0.026578	0.093566	0.057906	0	0	PPARGC1 and ESRR induced regulator, muscle 1 [Source:HGNC Sy	chr1:91058	NM_00129	XM_01700	.	.	NP_00127	XP_011540	protein_co	ENSG0000	84808	28208
PERP	66.2004	73.6696	67.0204	66.8504	71.9327	68.9822	PERP, TP53 apoptosis effector [Source:HGNC Symbol;Acc:HGNC:1	chr6:13840	NM_02212	.	.	.	NP_07140	.	protein_co	ENSG0000	64065	17637
PES1	80.0259	75.8433	65.2367	89.5074	74.6354	50.9162	pescadillo ribosomal biogenesis factor 1 [Source:HGNC Symbol;A	chr22:3097	NM_00124	XM_00672	.	.	NP_00123	XP_006724	protein_co	ENSG0000	23481	8848
PET100	90.0387	79.9667	68.2508	90.5228	61.7798	59.585	PET100 homolog [Source:HGNC Symbol;Acc:HGNC:40038]	chr19:7694	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	100131801	40038
PET117	16.3241	14.4067	14.8619	17.0806	19.656	16.7863	PET117 homolog [Source:HGNC Symbol;Acc:HGNC:40045]	chr20:1811	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	100303755	40045
PEX1	7.78018	7.52175	8.6778	6.65027	7.50093	7.44608	peroxisomal biogenesis factor 1 [Source:HGNC Symbol;Acc:HGNC	chr7:92116	NM_00046	XM_00525	.	.	NP_00045	.	protein_co	ENSG0000	5189	8850
PEX10	14.4044	15.1772	17.2217	11.4975	11.0085	10.7576	peroxisomal biogenesis factor 10 [Source:HGNC Symbol;Acc:HGN	chr1:23232	NM_00261	XM_01154	.	.	NP_00260	XP_011539	protein_co	ENSG0000	5192	8851
PEX11A	5.10816	5.27215	4.68892	5.07654	4.9876	4.68435	peroxisomal biogenesis factor 11 alpha [Source:HGNC Symbol;Ac	chr15:9022	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	8800	8852
PEX11B	16.0105	15.4663	21.1843	15.8712	14.1632	13.4094	peroxisomal biogenesis factor 11 beta [Source:HGNC Symbol;Acc	chr1:14551	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	8799	8853
PEX11G	2.90589	2.48312	3.13107	1.72012	1.49498	2.92856	peroxisomal biogenesis factor 11 gamma [Source:HGNC Symbol;A	chr19:7541	NM_00127	XM_01152	.	.	NP_00125	XP_005272	protein_co	ENSG0000	92960	20208
PEX12	5.31299	4.93211	4.12734	3.43907	3.80921	4.88614	peroxisomal biogenesis factor 12 [Source:HGNC Symbol;Acc:HGN	chr17:3390	NM_00028	.	.	.	NP_00027	.	protein_co	ENSG0000	5193	8854
PEX13	8.77847	8.05346	7.7116	11.2649	10.1384	11.0908	peroxisomal biogenesis factor 13 [Source:HGNC Symbol;Acc:HGN	chr2:61169	NM_00261	.	.	.	NP_00260	.	protein_co	ENSG0000	5194	8855
PEX14	13.5454	12.044	12.8726	13.9904	12.4027	11.2891	peroxisomal biogenesis factor 14 [Source:HGNC Symbol;Acc:HGN	chr1:10534	NM_00456	XM_01154	.	.	NP_00455	XP_011539	protein_co	ENSG0000	5195	8856
PEX16	19.1244	17.7263	18.9373	19.2483	14.3479	13.2855	peroxisomal biogenesis factor 16 [Source:HGNC Symbol;Acc:HGN	chr11:4593	NM_00481	XM_01152	.	.	NP_00480	XP_011518	protein_co	ENSG0000	9409	8857
PEX19	19.4428	18.0306	18.4448	19.0275	18.0495	19.5487	peroxisomal biogenesis factor 19 [Source:HGNC Symbol;Acc:HGN	chr1:16018	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	5824	9713
PEX2	32.8629	28.7131	35.6034	35.6797	42.8367	44.2725	peroxisomal biogenesis factor 2 [Source:HGNC Symbol;Acc:HGNC	chr8:77892	NM_00031	.	.	.	NP_00030	.	protein_co	ENSG0000	5828	9717
PEX26	18.0033	17.8103	15.8421	18.1192	18.6446	16.8245	peroxisomal biogenesis factor 26 [Source:HGNC Symbol;Acc:HGN	chr22:1856	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	55670	22965
PEX3	9.61223	7.772	9.73736	8.01638	8.68403	8.95729	peroxisomal biogenesis factor 3 [Source:HGNC Symbol;Acc:HGNC	chr6:14377	NM_00363	.	.	.	NP_00362	.	protein_co	ENSG0000	8504	8858
PEX5	20.0449	20.0611	21.3188	17.229	18.6819	16.4432	peroxisomal biogenesis factor 5 [Source:HGNC Symbol;Acc:HGNC	chr12:7341	NM_00031	XM_01701	.	.	NP_00031	XP_005253	protein_co	ENSG0000	5830	9719
PEX5L	0.034373	0	0.025186	0.030887	0	0	peroxisomal biogenesis factor 5 like [Source:HGNC Symbol;Acc:H	chr3:17951	NM_00125	XM_01700	.	.	NP_00124	XP_011511	protein_co	ENSG0000	51555	30024
PEX6	9.61223	11.4153	12.0068	13.4088	12.9545	11.4493	peroxisomal biogenesis factor 6 [Source:HGNC Symbol;Acc:HGNC	chr6:42928	NM_00028	XM_01151	.	.	NP_00027	XP_011512	protein_co	ENSG0000	5190	8859
PEX7	4.98262	6.3972	6.21424	5.38583	5.30289	6.65598	peroxisomal biogenesis factor 7 [Source:HGNC Symbol;Acc:HGNC	chr6:13714	NM_00028	.	.	.	NP_00027	.	protein_co	ENSG0000	5191	8860
PF4	0	0	0	0	0	0	platelet factor 4 [Source:HGNC Symbol;Acc:HGNC:8861]	chr4:74846	NM_00261	.	.	.	NP_00261	.	protein_co	ENSG0000	5196	8861
PF4V1	0	0	0	0	0	0	platelet factor 4 variant 1 [Source:HGNC Symbol;Acc:HGNC:8862]	chr4:74718	NM_00262	.	.	.	NP_00261	.	protein_co	ENSG0000	5197	8862
PFAS	13.8112	15.4192	12.6818	15.4027	16.0649	10.6971	phosphoribosylformylglycinamidine synthase [Source:HGNC Sym	chr17:8152	NM_01239	XM_01152	.	.	NP_03652	.	protein_co	ENSG0000	5198	8863
PFDN1	49.8493	54.1776	49.0918	60.9026	52.5713	48.6875	prefoldin subunit 1 [Source:HGNC Symbol;Acc:HGNC:8866]	chr5:13962	NM_00262	.	.	.	NP_00261	.	protein_co	ENSG0000	5201	8866
PFDN2	132.016	119.236	108.433	136.942	124.39	168.011	prefoldin subunit 2 [Source:HGNC Symbol;Acc:HGNC:8867]	chr1:16107	NM_01239	.	.	.	NP_03652	.	protein_co	ENSG0000	5202	8867
PFDN4	25.4674	21.0073	32.5749	20.558	32.4423	39.624	prefoldin subunit 4 [Source:HGNC Symbol;Acc:HGNC:8868]	chr20:5282	NM_00262	.	.	.	NP_00261	.	protein_co	ENSG0000	5203	8868
PFDN5	290.641	276.391	267.831	354.236	255.621	259.233	prefoldin subunit 5 [Source:HGNC Symbol;Acc:HGNC:8869]	chr12:5368	NM_00262	.	.	.	NP_00261	.	protein_co	ENSG0000	5204	8869
PFDN6	138.529	125.416	112.372	136.366	105.451	99.3617	prefoldin subunit 6 [Source:HGNC Symbol;Acc:HGNC:4926]	chr6:33246	NM_00118	.	NR_10689	.	NP_00117	.	protein_co	ENSG0000	102465501	4926
PFKFB1	0.43618	0.393506	0.466121	0.294129	0.233442	0.313428	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1 [Source:	chrX:54959	NM_00127	XM_01153	.	.	NP_00125	XP_016885	protein_co	ENSG0000	5207	8872
PFKFB2	5.22464	4.81976	5.45086	3.98695	4.69973	5.13803	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2 [Source:	chr1:20722	NM_00101	XM_01150	.	.	NP_00101	XP_011507	protein_co	ENSG0000	5208	8873
PFKFB3	16.6552	17.2989	16.6194	17.8051	18.7759	16.6588	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 [Source:	chr10:6186	NM_00114	XM_01151	.	.	NP_00113	XP_005252	protein_co	ENSG0000	5209	8874
PFKFB4	8.40206	9.09169	11.1519	9.32062	10.0954	7.48573	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4 [Source:	chr3:48555	NM_00131	XM_01700	.	.	NP_00130	XP_005265	protein_co	ENSG0000	5210	8875
PFKL	53.8303	55.5157	64.6795	60.891	56.1902	56.5082	phosphofructokinase, liver type [Source:HGNC Symbol;Acc:HGNC	chr21:4571	NM_00100	XM_01702	.	.	NP_00100	XP_005261	protein_co	ENSG0000	5211	8876
PFKM	78.1399	74.2228	75.7978	93.5302	84.4917	65.6261	phosphofructokinase, muscle [Source:HGNC Symbol;Acc:HGNC:8	chr12:4843	NM_00028	XM_01701	.	.	NP_00028	XP_005269	protein_co	ENSG0000	5213	8877
PFKP	84.5352	91.662	85.288	108.03	99.2955	93.9342	phosphofructokinase, platelet [Source:HGNC Symbol;Acc:HGNC:8	chr10:3109	NM_00124	XM_00671	.	.	NP_00122	XP_005252	protein_co	ENSG0000	5214	8878
PFN1	1040.6	1053.87	860.735	1352.69	1033.93	928.869	profilin 1 [Source:HGNC Symbol;Acc:HGNC:8881]	chr17:4848	NM_00502	.	.	.	NP_00501	.	protein_co	ENSG0000	5216	8881
PFN2	127.443	130.978	108.332	150.898	165.542	124.785	profilin 2 [Source:HGNC Symbol;Acc:HGNC:8882]	chr3:14968	NM_00262	.	.	.	NP_00261	.	protein_co	ENSG0000	5217	8882
PFN3	0	0	0	0	0	0	profilin 3 [Source:HGNC Symbol;Acc:HGNC:18627]	chr5:17682	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	345456	18627
PFN4	0.262015	0.266261	0.302487	0.096067	0.200293	0.091357	profilin family member 4 [Source:HGNC Symbol;Acc:HGNC:31103	chr2:24299	NM_19934	XM_01153	.	.	NP_95537	XP_005264	protein_co	ENSG0000	375189	31103
PGA3	0	0	0	0	0	0	pepsinogen 3, group I (pepsinogen A) [Source:HGNC Symbol;Acc:	chr11:6097	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	643834	8885
PGA4	0	0	0	0	0	0	pepsinogen 4, group I (pepsinogen A) [Source:HGNC Symbol;Acc:	chr11:6098	NM_00107	.	.	.	NP_00107	XP_016854	protein_co	ENSG0000	643847	8886
PGA5	0	0	0	0	0	0	pepsinogen 5, group I (pepsinogen A) [Source:HGNC Symbol;Acc:	chr11:6100	NM_01422	.	.	.	NP_05503	.	protein_co	ENSG0000	5222	8887

PGAM1	99.2878	103.559	96.9103	134.245	122.979	98.8259	phosphoglycerate mutase 1 [Source:HGNC Symbol;Acc:HGNC:888	chr10:9918	NM_00262	.	.	.	NP_00262(	.	protein_co	ENSG0000	5223	8888
PGAM2	0	0	0	0	0	0.399637	phosphoglycerate mutase 2 [Source:HGNC Symbol;Acc:HGNC:888	chr7:44102	NM_00029	.	.	.	NP_00028	.	protein_co	ENSG0000	5224	8889
PGAM4	0.502654	0	0.349775	0.428323	0.347425	0	phosphoglycerate mutase family member 4 [Source:HGNC Symbo	chrX:77166	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	441531	21731
PGAM5	57.9012	55.679	55.0979	86.1739	81.4204	49.0511	PGAM family member 5, mitochondrial serine/threonine protein	chr12:1332	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	192111	28763
PGAP1	1.27911	1.20665	1.89354	1.21975	1.40203	1.56054	post-GPI attachment to proteins 1 [Source:HGNC Symbol;Acc:HG	chr2:19769	NM_00132	XM_01700	.	.	NP_00130	XP_01151(	protein_co	ENSG0000	80055	25712
PGAP2	27.9255	27.0952	22.7973	34.0781	25.3348	18.803	post-GPI attachment to proteins 2 [Source:HGNC Symbol;Acc:HG	chr11:3819	NM_00114	XM_01701	.	.	NP_00113	XP_006718	protein_co	ENSG0000	27315	17893
PGAP3	4.91317	5.1643	4.07595	4.46089	4.1131	3.67826	post-GPI attachment to proteins 3 [Source:HGNC Symbol;Acc:HG	chr17:3782	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	93210	23719
PGBD1	2.65186	3.0208	2.47932	2.64144	2.97669	3.0836	piggyBac transposable element derived 1 [Source:HGNC Symbol;	chr6:28234	NM_00118	.	.	.	NP_00117	XP_016866	protein_co	ENSG0000	84547	19398
PGBD2	5.7255	5.22773	4.14462	4.75538	4.76327	3.654	piggyBac transposable element derived 2 [Source:HGNC Symbol;	chr1:24920	NM_00101	XM_01154	.	.	NP_00101	XP_005270	protein_co	ENSG0000	267002	19399
PGBD4	0.780296	0.7212	0.684888	0.782996	0.937594	0.561186	piggyBac transposable element derived 4 [Source:HGNC Symbol;	chr15:3439	NM_15259	.	.	.	NP_68980	.	protein_co	ENSG0000	161779	19401
PGBD5	0.098447	0.098182	0.128268	0.691885	0.599499	0.413921	piggyBac transposable element derived 5 [Source:HGNC Symbol;	chr1:23045	NM_00125	.	.	.	NP_00124	XP_016857	protein_co	ENSG0000	79605	19405
PGC	0	0.061734	0.052872	0	0	0.267013	progastricsin [Source:HGNC Symbol;Acc:HGNC:8890]	chr6:41704	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	5225	8890
PGD	102.197	103.22	121.401	133.483	117.394	116.067	phosphogluconate dehydrogenase [Source:HGNC Symbol;Acc:HG	chr1:10459	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	5226	8891
PGF	4.40678	4.93302	7.17758	7.73589	6.37178	4.39211	placental growth factor [Source:HGNC Symbol;Acc:HGNC:8893]	chr14:7540	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	5228	8893
PGGT1B	16.4378	18.7112	12.5196	17.3799	17.5327	11.9498	protein geranylgeranyltransferase type I subunit beta [Source:HG	chr5:11453	NM_00502	XM_01154	.	.	NP_00501	XP_005272	protein_co	ENSG0000	5229	8895
PGK1	150.898	157.312	156.332	202.643	168.68	177.911	phosphoglycerate kinase 1 [Source:HGNC Symbol;Acc:HGNC:889	chrX:77359	NM_00029	.	.	.	NP_00028	.	protein_co	ENSG0000	5230	8896
PGK2	0.171957	0.180407	0.37443	0.143721	0.048496	0.217849	phosphoglycerate kinase 2 [Source:HGNC Symbol;Acc:HGNC:889	chr6:49753	NM_13873	.	.	.	NP_62006	.	protein_co	ENSG0000	5232	8898
PGLS	29.7688	31.6604	34.1714	29.0207	20.1541	30.3603	6-phosphogluconolactonase [Source:HGNC Symbol;Acc:HGNC:89	chr19:1762	NM_01208	.	.	.	NP_03622	.	protein_co	ENSG0000	25796	8903
PGLYRP1	0	0	0	0	0	0	peptidoglycan recognition protein 1 [Source:HGNC Symbol;Acc:H	chr19:4652	NM_00509	.	.	.	NP_00508	.	protein_co	ENSG0000	8993	8904
PGLYRP2	0	0	0	0	0	0.041154	peptidoglycan recognition protein 2 [Source:HGNC Symbol;Acc:H	chr19:1557	NM_05289	XM_00672	.	.	NP_44312	XP_006722	protein_co	ENSG0000	114770	30013
PGLYRP3	0	0	0	0.145564	0	0.141972	peptidoglycan recognition protein 3 [Source:HGNC Symbol;Acc:H	chr1:15327	NM_05289	XM_01150	.	.	NP_44312	XP_011507	protein_co	ENSG0000	114771	30014
PGLYRP4	0	0	0	0	0	0	peptidoglycan recognition protein 4 [Source:HGNC Symbol;Acc:H	chr1:15330	NM_02039	XM_01150	.	.	NP_06512	XP_011508	protein_co	ENSG0000	57115	30015
PGM1	22.586	24.4234	27.2049	23.5551	24.6369	24.0347	phosphoglucomutase 1 [Source:HGNC Symbol;Acc:HGNC:8905]	chr1:64058	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	5236	8905
PGM2	18.9504	21.8122	22.5504	27.6049	23.1825	23.8779	phosphoglucomutase 2 [Source:HGNC Symbol;Acc:HGNC:8906]	chr4:37828	NM_01829	XM_01151	.	.	NP_06076	XP_011512	protein_co	ENSG0000	55276	8906
PGM2L1	1.24339	1.55051	2.1181	1.50061	2.01308	2.45665	phosphoglucomutase 2 like 1 [Source:HGNC Symbol;Acc:HGNC:2	chr11:7404	NM_17358	XM_01154	.	.	NP_77585	XP_011543	protein_co	ENSG0000	283209	20898
PGM3	18.408	17.4967	18.0477	19.0032	20.4381	21.4868	phosphoglucomutase 3 [Source:HGNC Symbol;Acc:HGNC:8907]	chr6:83777	NM_00119	XM_01153	.	.	NP_00118	XP_011534	protein_co	ENSG0000	5238	8907
PGM5	0.141701	0.144588	0.122298	0.10435	0.053904	0.098255	phosphoglucomutase 5 [Source:HGNC Symbol;Acc:HGNC:8908]	chr9:70971	NM_02196	.	.	.	NP_06880	.	protein_co	ENSG0000	5239	8908
PGP	28.4467	25.7177	24.4838	37.575	30.9862	23.2748	phosphoglycolate phosphatase [Source:HGNC Symbol;Acc:HGNC:	chr16:2261	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	283871	8909
PGPEP1	7.34445	7.54767	10.2394	5.34169	5.55202	7.46518	pyroglutamyl-peptidase I [Source:HGNC Symbol;Acc:HGNC:13568	chr19:1845	NM_00130	XM_01152	.	.	NP_00128	XP_006722	protein_co	ENSG0000	54858	13568
PGPEP1L	0.175159	0	0	0	0.067169	0.27963	pyroglutamyl-peptidase I-like [Source:HGNC Symbol;Acc:HGNC:2	chr15:9951	NM_00110	XM_01152	.	.	NP_00109	XP_011519	protein_co	ENSG0000	145814	27080
PGR	0	0	0	0	0	0	progesterone receptor [Source:HGNC Symbol;Acc:HGNC:8910]	chr11:1009	NM_00092	.	.	.	NP_00091	XP_006718	protein_co	ENSG0000	5241	8910
PGRMC1	87.4382	87.9687	75.2484	96.127	97.3986	91.3813	progesterone receptor membrane component 1 [Source:HGNC S	chrX:11837	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	10857	16090
PGRMC2	31.8369	31.0363	30.6	31.6614	31.8892	34.9802	progesterone receptor membrane component 2 [Source:HGNC S	chr4:12919	NM_00632	.	.	.	NP_00631	.	protein_co	ENSG0000	10424	16089
PGS1	14.7086	15.1555	15.9749	15.0326	13.6957	10.988	phosphatidylglycerophosphate synthase 1 [Source:HGNC Symbol	chr17:7637	NM_02441	.	.	.	NP_07773	XP_016880	protein_co	ENSG0000	9489	30029
PHACTR1	0.028057	0	0	0	0.015912	0.014619	phosphatase and actin regulator 1 [Source:HGNC Symbol;Acc:HG	chr6:12717	NM_00124	XM_01701	.	.	NP_00122	XP_005248	protein_co	ENSG0000	221692	20990
PHACTR2	4.97519	5.49472	4.63086	2.94135	4.09004	3.89622	phosphatase and actin regulator 2 [Source:HGNC Symbol;Acc:HG	chr6:14385	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	9749	20956
PHACTR3	0	0	0.045192	0	0	0	phosphatase and actin regulator 3 [Source:HGNC Symbol;Acc:HG	chr20:5815	NM_00119	XM_01152	.	.	NP_00118	XP_011526	protein_co	ENSG0000	116154	15833
PHACTR4	9.31174	10.6815	9.06313	9.23329	9.45184	10.6584	phosphatase and actin regulator 4 [Source:HGNC Symbol;Acc:HG	chr1:28696	NM_00104	XM_01154	.	.	NP_00104	XP_005246	protein_co	ENSG0000	65979	25793
PHAX	8.12437	8.19546	7.52286	9.13429	9.36653	8.38791	phosphorylated adaptor for RNA export [Source:HGNC Symbol;A	chr5:12593	NM_03217	.	.	.	NP_11555	.	protein_co	ENSG0000	51808	10241
PHB	259.814	254.109	215.91	323.89	253.81	195.559	prohibitin [Source:HGNC Symbol;Acc:HGNC:8912]	chr17:4748	NM_00128	XM_01702	.	.	NP_00126	XP_016880	protein_co	ENSG0000	5245	8912
PHB2	275.163	286.745	257.233	350.02	297.844	282.395	prohibitin 2 [Source:HGNC Symbol;Acc:HGNC:30306]	chr12:7074	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	11331	30306
PHC1	2.60007	2.6484	3.17177	2.59056	1.99754	3.06067	polyhomeotic homolog 1 [Source:HGNC Symbol;Acc:HGNC:3182]	chr12:9067	NM_00442	XM_01152	.	.	NP_00441	XP_005253	protein_co	ENSG0000	1911	3182
PHC2	56.7264	57.0442	74.8144	69.9515	60.9438	79.6494	polyhomeotic homolog 2 [Source:HGNC Symbol;Acc:HGNC:3183]	chr1:33789	NM_00442	XM_01700	NR_03740	.	NP_00441	XP_005270	protein_co	ENSG0000	10050085	3183
PHC3	7.09806	7.27378	7.4804	5.39512	7.66248	6.53868	polyhomeotic homolog 3 [Source:HGNC Symbol;Acc:HGNC:15682	chr3:16980	NM_00130	XM_01700	.	.	NP_00129	XP_005247	protein_co	ENSG0000	80012	15682
PHEX	0.176854	0.081141	0.109861	0.11532	0.153659	0.185049	phosphate regulating endopeptidase homolog, X-linked [Source:H	chrX:22050	NM_00044	.	.	.	NP_00043	.	protein_co	ENSG0000	5251	8918
PHF1	15.2217	16.7006	15.8554	13.5945	14.4678	13.904	PHD finger protein 1 [Source:HGNC Symbol;Acc:HGNC:8919]	chr6:33378	NM_00263	XM_01151	.	.	NP_00262	XP_011512	protein_co	ENSG0000	5252	8919
PHF10	20.0295	19.5159	25.0133	16.2801	18.711	16.435	PHD finger protein 10 [Source:HGNC Symbol;Acc:HGNC:18250]	chr6:17010	NM_01828	.	.	.	NP_06075	.	protein_co	ENSG0000	55274	18250
PHF11	5.03897	4.89622	5.46351	2.67674	3.20696	4.04536	PHD finger protein 11 [Source:HGNC Symbol;Acc:HGNC:17024]	chr13:5007	NM_00104	XM_01153	.	.	NP_00103	XP_006719	protein_co	ENSG0000	51131	17024
PHF12	9.30647	10.3935	8.25506	8.27018	9.23285	8.25766	PHD finger protein 12 [Source:HGNC Symbol;Acc:HGNC:20816]	chr17:2723	NM_00103	XM_01152	.	.	NP_00102	XP_005258	protein_co	ENSG0000	57649	20816
PHF13	15.562	16.4499	16.5643	15.3422	15.7305	17.4051	PHD finger protein 13 [Source:HGNC Symbol;Acc:HGNC:22983]	chr1:66507	NM_15381	.	.	.	NP_72251	XP_011539	protein_co	ENSG0000	148479	22983
PHF14	2.8373	2.31519	2.5425	1.634	1.84765	1.76306	PHD finger protein 14 [Source:HGNC Symbol;Acc:HGNC:22203]	chr7:11013	NM_01466	XM_01701	.	.	NP_05547	XP_016868	protein_co	ENSG0000	9678	22203
PHF19	37.4757	33.9652	24.0413	39.5664	35.8883	25.9024	PHD finger protein 19 [Source:HGNC Symbol;Acc:HGNC:24566]	chr9:12361	NM_00100	XM_01701	.	.	NP_00100	XP_005251	protein_co	ENSG0000	26147	24566
PHF2	9.48004	10.0767	10.1102	11.2316	11.599	11.2404	PHD finger protein 2 [Source:HGNC Symbol;Acc:HGNC:8920]	chr9:96338	NM_00539	XM_01151	.	.	NP_00538	XP_005252	protein_co	ENSG0000	5253	8920
PHF20	8.81634	8.95701	9.0139	9.02054	9.86318	10.5016	PHD finger protein 20 [Source:HGNC Symbol;Acc:HGNC:16098]	chr20:3435	NM_01643	XM_01702	.	.	NP_05752	XP_005260	protein_co	ENSG0000	51230	16098
PHF20L1	13.3664	14.2034	12.4415	11.4963	13.5266	13.2541	PHD finger protein 20-like 1 [Source:HGNC Symbol;Acc:HGNC:24	chr8:13378	NM_00127	XM_01701	.	.	NP_00126	XP_005250	protein_co	ENSG0000	51105	24280
PHF21A	6.58572	6.19068	7.33978	4.59722	4.70916	7.7878	PHD finger protein 21A [Source:HGNC Symbol;Acc:HGNC:24156]	chr11:4595	NM_00110	XM_01152	.	.	NP_00109	XP_005253	protein_co	ENSG0000	51317	24156
PHF21B	0	0	0	0	0	0	PHD finger protein 21B [Source:HGNC Symbol;Acc:HGNC:25161]	chr22:4527	NM_00113	XM_01152	.	.	NP_00112	XP_006724	protein_co	ENSG0000	112885	25161
PHF23	34.957	35.1207	31.0849	43.0792	38.04	30.6756	PHD finger protein 23 [Source:HGNC Symbol;Acc:HGNC:28428]	chr17:7138	NM_00128	XM_00525	.	.	NP_00127	XP_005256	protein_co	ENSG0000	79142	28428
PHF24	0.012689	0.012955	0.032985	0	0.01441	0.026815	PHD finger protein 24 [Source:HGNC Symbol;Acc:HGNC:29180]	chr9:34958	NM_00130	XM_01701	.	.	NP_00129	XP_011516	protein_co	ENSG0000	23349	29180

PHF3	13.0268	12.1796	12.9628	10.9501	14.647	14.8282	PHD finger protein 3 [Source:HGNC Symbol;Acc:HGNC:8921]	chr6:64345	NM_00129	XM_01153	.	.	NP_00127	XP_005248	protein_co	ENSG0000	23469	8921
PHF5A	79.3106	82.7158	63.4996	108.101	88.6496	69.1587	PHD finger protein 5A [Source:HGNC Symbol;Acc:HGNC:18000]	chr22:4185	NM_03275	.	.	.	NP_11614	.	protein_co	ENSG0000	84844	18000
PHF6	18.898	20.1643	20.9251	16.5591	23.1732	23.8874	PHD finger protein 6 [Source:HGNC Symbol;Acc:HGNC:18145]	chrX:13350	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	84295	18145
PHF7	1.54683	1.15196	1.39699	1.52747	1.41355	2.08787	PHD finger protein 7 [Source:HGNC Symbol;Acc:HGNC:18458]	chr3:52444	NM_00127	XM_01153	.	.	NP_00126	XP_005265	protein_co	ENSG0000	51533	18458
PHF8	6.78303	7.49316	6.8301	6.30338	6.68534	6.12748	PHD finger protein 8 [Source:HGNC Symbol;Acc:HGNC:20672]	chrX:53963	NM_00118	XM_01153	.	.	NP_00117	XP_005262	protein_co	ENSG0000	23133	20672
PHGDH	74.5496	74.7535	51.3579	66.7946	51.551	176.292	phosphoglycerate dehydrogenase [Source:HGNC Symbol;Acc:HGI	chr1:12025	NM_00662	XM_01154	.	.	NP_00661	XP_011539	protein_co	ENSG0000	26227	8923
PHGR1	0	0	0	0	0	0	proline, histidine and glycine rich 1 [Source:HGNC Symbol;Acc:HG	chr15:4064	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	644844	37226
PHIP	7.71399	7.97655	7.29516	6.06573	8.96588	9.21889	pleckstrin homology domain interacting protein [Source:HGNC Sy	chr6:79645	NM_01793	XM_01153	.	.	NP_06040	XP_005248	protein_co	ENSG0000	55023	15673
PHKA1	5.79143	6.08637	6.7417	5.48317	5.28932	5.78986	phosphorylase kinase regulatory subunit alpha 1 [Source:HGNC S	chrX:71798	NM_00112	XM_00672	.	.	NP_00111	XP_006724	protein_co	ENSG0000	5255	8925
PHKA2	5.20994	5.14187	5.50288	5.01324	4.22235	4.29332	phosphorylase kinase regulatory subunit alpha 2 [Source:HGNC S	chrX:18910	NM_00029	XM_01154	.	.	NP_00028	XP_005274	protein_co	ENSG0000	5256	8926
PHKB	10.6538	12.0332	12.2818	11.7427	13.1093	13.739	phosphorylase kinase regulatory subunit beta [Source:HGNC Sym	chr16:4749	NM_00029	XM_00525	.	.	NP_00028	XP_005256	protein_co	ENSG0000	5257	8927
PHKG1	0.298364	0.259904	0.362081	0.193728	0.205331	0.108508	phosphorylase kinase catalytic subunit gamma 1 [Source:HGNC S	chr7:56131	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	5260	8930
PHKG2	18.0668	17.2315	14.1929	19.8054	16.7415	13.944	phosphorylase kinase catalytic subunit gamma 2 [Source:HGNC S	chr16:3075	NM_00029	.	.	.	NP_00028	.	protein_co	ENSG0000	5261	8931
PHLDA1	73.6235	78.9589	90.4621	77.4236	80.1206	121.271	pleckstrin homology like domain family A member 1 [Source:HGN	chr12:7641	NM_00735	.	.	.	NP_03137	.	protein_co	ENSG0000	22822	8933
PHLDA2	219.567	223.302	281.861	306.543	224.573	277.464	pleckstrin homology like domain family A member 2 [Source:HGN	chr11:2949	NM_00331	.	.	.	NP_00330	.	protein_co	ENSG0000	7262	12385
PHLDA3	31.1317	31.8072	29.0227	38.8966	35.1783	23.6661	pleckstrin homology like domain family A member 3 [Source:HGN	chr1:20143	NM_01239	.	.	.	NP_03652	.	protein_co	ENSG0000	23612	8934
PHLDB1	11.3365	12.6306	12.6281	13.4638	12.5552	10.2026	pleckstrin homology like domain family B member 1 [Source:HGN	chr11:1184	NM_00114	XM_01154	NR_10677	.	NP_00113	XP_005271	protein_co	ENSG0000	102466719	23697
PHLDB2	28.4293	28.8004	36.1542	21.6202	24.5234	31.1022	pleckstrin homology like domain family B member 2 [Source:HGN	chr3:11139	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	90102	29573
PHLDB3	3.25788	3.76643	4.0664	3.06709	2.95463	2.96927	pleckstrin homology like domain family B member 3 [Source:HGN	chr19:4397	NM_19885	XM_01152	.	.	NP_94214	XP_005259	protein_co	ENSG0000	653583	30499
PHLPP1	4.16103	4.19426	4.76079	4.0037	3.89248	4.79317	PH domain and leucine rich repeat protein phosphatase 1 [Source	chr18:6038	NM_19444	.	.	.	NP_91943	.	protein_co	ENSG0000	23239	20610
PHLPP2	3.95266	4.10753	4.57063	4.4314	5.54313	4.77566	PH domain and leucine rich repeat protein phosphatase 2 [Source	chr16:7167	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	23035	29149
PHOSPHO1	1.98254	1.55117	3.2663	2.02582	1.42421	2.31053	phosphoethanolamine/phosphocholine phosphatase [Source:HG	chr17:4730	NM_00114	XM_00525	.	.	NP_00113	XP_005257	protein_co	ENSG0000	162466	16815
PHOSPHO2	0.690888	0.656087	0.690195	0.308544	0.256522	0.870186	phosphatase, orphan 2 [Source:HGNC Symbol;Acc:HGNC:28316]	chr2:17055	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	493911	28316
PHOX2A	0	0	0	0	0	0	paired like homeobox 2a [Source:HGNC Symbol;Acc:HGNC:691]	chr11:7193	NM_00516	.	.	.	NP_00516	.	protein_co	ENSG0000	401	691
PHOX2B	0	0	0	0	0	0	paired like homeobox 2b [Source:HGNC Symbol;Acc:HGNC:9143]	chr4:41746	NM_00392	.	.	.	NP_00391	.	protein_co	ENSG0000	8929	9143
PHPT1	80.2302	76.6803	80.7737	63.7355	46.3359	43.7195	phosphohistidine phosphatase 1 [Source:HGNC Symbol;Acc:HGN	chr9:13973	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	29085	30033
PHRF1	18.7003	20.3281	17.7489	21.9324	21.066	14.662	PHD and ring finger domains 1 [Source:HGNC Symbol;Acc:HGNC:2	chr11:5764	NM_00128	XM_01152	.	.	NP_00127	XP_005253	protein_co	ENSG0000	57661	24351
PHTF1	5.81597	5.22918	4.48877	5.4227	5.83115	4.761	putative homeodomain transcription factor 1 [Source:HGNC Sym	chr1:11423	NM_00132	XM_01154	.	.	NP_00130	XP_005270	protein_co	ENSG0000	10745	8939
PHTF2	8.10692	7.88546	9.16454	8.92951	11.4146	11.7311	putative homeodomain transcription factor 2 [Source:HGNC Sym	chr7:77428	NM_00112	XM_01151	.	.	NP_00112	XP_005250	protein_co	ENSG0000	57157	13411
PHYH	7.54168	7.03315	10.2364	9.26375	9.00828	10.6576	phytanoyl-CoA 2-hydroxylase [Source:HGNC Symbol;Acc:HGNC:8	chr10:1331	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	5264	8940
PHYHD1	0	0	0.066822	0	0	0.049443	phytanoyl-CoA dioxygenase domain containing 1 [Source:HGNC S	chr9:13168	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	254295	23396
PHYHIP	0.549809	0.440141	0.652186	0.364407	0.486841	0.605494	phytanoyl-CoA 2-hydroxylase interacting protein [Source:HGNC S	chr8:22077	NM_00109	XM_00671	.	.	NP_00109	XP_006716	protein_co	ENSG0000	9796	16865
PHYHIPL	0	0	0.02326	0	0	0.025439	phytanoyl-CoA 2-hydroxylase interacting protein like [Source:HGI	chr10:6093	NM_00114	.	.	.	NP_00113	XP_011538	protein_co	ENSG0000	84457	29378
PHYKPL	5.15143	6.54239	5.45646	3.96384	3.2824	5.27774	5-phosphohydroxy-L-lysine phospho-lyase [Source:HGNC Symbol	chr5:17763	NM_00127	XM_01153	NR_10350	.	NP_00126	XP_006714	protein_co	ENSG0000	85007	28249
PI15	0.208208	0.23815	0.164935	0.018683	0.383167	0.103094	peptidase inhibitor 15 [Source:HGNC Symbol;Acc:HGNC:8946]	chr8:75736	NM_00132	XM_00671	.	.	NP_00131	XP_006716	protein_co	ENSG0000	51050	8946
PI16	0.070741	0.035075	0.030538	0.037818	0.040959	0.07775	peptidase inhibitor 16 [Source:HGNC Symbol;Acc:HGNC:21245]	chr6:36916	NM_00119	XM_01151	.	.	NP_00118	XP_005248	protein_co	ENSG0000	221476	21245
PI3	0	0	0	0	0	0	peptidase inhibitor 3 [Source:HGNC Symbol;Acc:HGNC:8947]	chr20:4380	NM_00263	.	.	.	NP_00262	.	protein_co	ENSG0000	5266	8947
PI4K2A	16.0142	16.6037	17.271	15.7589	14.5329	13.4471	phosphatidylinositol 4-kinase type 2 alpha [Source:HGNC Symbol	chr10:9934	NM_01842	.	.	.	NP_06089	.	protein_co	ENSG0000	55361	30031
PI4K2B	10.6582	10.8625	10.279	12.3981	10.6323	12.482	phosphatidylinositol 4-kinase type 2 beta [Source:HGNC Symbol;	chr4:25162	NM_01832	XM_00524	.	.	NP_06079	XP_005248	protein_co	ENSG0000	55300	18215
PI4KA	9.88582	10.5054	9.97263	10.0878	9.08502	8.74495	phosphatidylinositol 4-kinase alpha [Source:HGNC Symbol;Acc:H	chr22:2106	NM_05800	XM_00526	.	.	NP_47735	XP_005261	protein_co	ENSG0000	5297	8983
PI4KB	14.6663	15.3444	17.2272	12.0453	10.4757	10.4298	phosphatidylinositol 4-kinase beta [Source:HGNC Symbol;Acc:HG	chr1:15125	NM_00119	XM_01150	.	.	NP_00118	XP_005245	protein_co	ENSG0000	5298	8984
PIANP	0	0.042017	0	0	0.098258	0	PILR alpha associated neural protein [Source:HGNC Symbol;Acc:H	chr12:6802	NM_00124	XM_00671	.	.	NP_00123	XP_006719	protein_co	ENSG0000	196500	25338
PIAS1	7.86467	7.91169	8.48536	7.79067	9.74011	8.4385	protein inhibitor of activated STAT 1 [Source:HGNC Symbol;Acc:H	chr15:6834	NM_01616	XM_01152	.	.	NP_00130	XP_011520	protein_co	ENSG0000	8554	2752
PIAS2	6.92033	6.82778	8.12951	6.02546	7.8748	8.09817	protein inhibitor of activated STAT 2 [Source:HGNC Symbol;Acc:H	chr18:4438	NM_00132	XM_01152	.	.	NP_00131	XP_005258	protein_co	ENSG0000	9063	17311
PIAS3	14.8967	14.0094	16.5819	12.4008	11.9187	11.7113	protein inhibitor of activated STAT 3 [Source:HGNC Symbol;Acc:H	chr1:14557	NM_00609	.	.	.	NP_00609	.	protein_co	ENSG0000	10401	16861
PIAS4	10.231	11.7112	11.0683	10.4193	10.4082	9.69785	protein inhibitor of activated STAT 4 [Source:HGNC Symbol;Acc:H	chr19:4007	NM_01589	XM_01702	.	.	NP_05698	XP_011526	protein_co	ENSG0000	51588	17002
PIBF1	4.61009	4.43724	5.01883	5.25281	7.30684	7.71127	progesterone immunomodulatory binding factor 1 [Source:HGNC	chr13:7330	NM_00634	XM_01702	.	.	NP_00633	XP_011533	protein_co	ENSG0000	10464	23352
PICALM	24.6848	27.0355	29.5103	26.6694	33.6712	37.2287	phosphatidylinositol binding clathrin assembly protein [Source:H	chr11:8566	NM_00100	XM_01154	.	.	NP_00100	XP_005274	protein_co	ENSG0000	8301	15514
PICK1	11.2919	11.4074	12.3853	9.99527	7.41729	7.04678	protein interacting with PRKCA 1 [Source:HGNC Symbol;Acc:HGN	chr22:3845	NM_00103	XM_01153	.	.	NP_00103	XP_006724	protein_co	ENSG0000	9463	9394
PID1	0	0	0	0.037801	0	0	phosphotyrosine interaction domain containing 1 [Source:HGNC	chr2:22988	NM_00110	XM_01700	.	.	NP_00109	XP_011509	protein_co	ENSG0000	55022	26084
PIDD1	14.89	13.8964	16.3478	14.7091	11.8793	10.3756	p53-induced death domain protein 1 [Source:HGNC Symbol;Acc:H	chr11:7904	NM_14588	XM_01152	.	.	NP_66589	XP_005253	protein_co	ENSG0000	55367	16491
PIEZO1	49.4046	50.8946	39.4751	50.4274	45.2931	38.6112	piezo type mechanosensitive ion channel component 1 [Source:H	chr16:8877	NM_00114	.	NR_03987	.	NP_00113	.	protein_co	ENSG0000	100616167	28993
PIEZO2	0	0	0	0	0	0	piezo type mechanosensitive ion channel component 2 [Source:H	chr18:1067	NM_02206	XM_01152	.	.	NP_07135	XP_011524	protein_co	ENSG0000	63895	26270
PIF1	5.86472	5.21557	5.22495	9.44449	7.46842	6.80027	PIF1 5'-to-3' DNA helicase [Source:HGNC Symbol;Acc:HGNC:2622	chr15:6510	NM_00128	XM_01152	.	.	NP_00127	XP_011520	protein_co	ENSG0000	80119	26220
PIFO	0.757012	1.32675	1.26573	1.35876	1.15169	0.764227	primary cilia formation [Source:HGNC Symbol;Acc:HGNC:27009]	chr1:11188	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	128344	27009
PIGA	5.63995	4.92839	4.20792	4.24395	6.84838	7.05977	phosphatidylinositol glycan anchor biosynthesis class A [Source:H	chrX:15337	NM_00264	XM_01702	NR_03383	.	NP_00263	XP_016885	protein_co	ENSG0000	5277	8957
PIGB	5.64444	5.00824	5.39074	4.86299	6.22426	4.98378	phosphatidylinositol glycan anchor biosynthesis class B [Source:H	chr15:5560	NM_00485	XM_01152	.	.	NP_00484	XP_005254	protein_co	ENSG0000	9488	8959
PIGBOS1	12.62	12.3272	12.888	15.9035	13.5856	15.8437	PIGB opposite strand 1 [Source:HGNC Symbol;Acc:HGNC:50696]	chr15:5560	.	.	.	.	NP_00129	.	protein_co	ENSG0000	101928527	50696
PIGC	15.1886	14.9877	12.4582	15.4739	15.7184	12.8239	phosphatidylinositol glycan anchor biosynthesis class C [Source:H	chr1:17238	NM_00264	.	.	.	NP_00263	.	protein_co	ENSG0000	5279	8960

PIGF	19.2581	16.8868	17.0474	19.7742	18.2007	18.4006	phosphatidylinositol glycan anchor biosynthesis class F [Source:H	chr2:46769	NM_00264	XM_01153	.	.	NP_002634	XP_011531	protein_co	ENSG00000	5281	8962
PIGG	11.6725	12.5561	10.9322	11.5617	12.6249	10.5156	phosphatidylinositol glycan anchor biosynthesis class G [Source:H	chr4:49300	NM_00112	XM_01151	.	.	NP_001120	XP_005272	protein_co	ENSG00000	54872	25985
PIGH	14.5057	12.9334	13.3079	14.2558	14.9491	17.0331	phosphatidylinositol glycan anchor biosynthesis class H [Source:H	chr14:6800	NM_00456	XM_01702	.	.	NP_004560	XP_016876	protein_co	ENSG00000	5283	8964
PIGK	7.81153	6.58408	6.43673	8.70396	9.76625	9.02588	phosphatidylinositol glycan anchor biosynthesis class K [Source:H	chr1:77554	NM_00548	.	.	.	NP_005473	.	protein_co	ENSG00000	10026	8965
PIGL	6.66083	7.8206	7.07997	8.85995	7.68645	6.74208	phosphatidylinositol glycan anchor biosynthesis class L [Source:H	chr17:1612	NM_00427	.	.	.	NP_004269	XP_016880	protein_co	ENSG00000	9487	8966
PIGM	5.2959	5.63178	4.54718	4.06524	5.06202	3.60379	phosphatidylinositol glycan anchor biosynthesis class M [Source:H	chr1:15996	NM_14516	.	.	.	NP_660150	.	protein_co	ENSG00000	93183	18858
PIGN	2.16208	2.42262	2.12705	1.88602	2.47495	2.22423	phosphatidylinositol glycan anchor biosynthesis class N [Source:H	chr18:5971	NM_01232	XM_01152	.	.	NP_036459	XP_011524	protein_co	ENSG00000	23556	8967
PIGO	9.75696	9.70068	7.06983	7.30825	7.43051	6.57971	phosphatidylinositol glycan anchor biosynthesis class O [Source:H	chr9:35088	NM_00120	XM_01151	.	.	NP_001188	XP_005251	protein_co	ENSG00000	84720	23215
PIGP	17.8669	12.7456	15.2059	10.149	13.7174	20.4496	phosphatidylinositol glycan anchor biosynthesis class P [Source:H	chr21:3843	NM_01643	XM_01702	.	.	NP_001307	XP_005261	protein_co	ENSG00000	51227	3046
PIGQ	6.08569	6.1113	6.55141	5.56684	5.18092	5.59306	phosphatidylinositol glycan anchor biosynthesis class Q [Source:H	chr16:6169	NM_00420	.	.	.	NP_004195	.	protein_co	ENSG00000	9091	14135
PIGR	0	0.032162	0.013832	0	0.018221	0.016952	polymeric immunoglobulin receptor [Source:HGNC Symbol;Acc:H	chr1:20710	NM_00264	XM_01150	.	.	NP_002635	XP_011507	protein_co	ENSG00000	5284	8968
PIGS	20.708	20.9211	19.6936	22.2002	20.5002	21.1243	phosphatidylinositol glycan anchor biosynthesis class S [Source:H	chr17:2688	NM_03319	.	.	.	NP_149975	.	protein_co	ENSG00000	94005	14937
PIGT	43.3121	46.471	38.276	47.8876	40.1971	33.1424	phosphatidylinositol glycan anchor biosynthesis class T [Source:H	chr20:4404	NM_00118	XM_00526	.	.	NP_001171	XP_005260	protein_co	ENSG00000	51604	14938
PIGU	17.7505	16.6335	18.7587	16.9068	16.3902	19.6038	phosphatidylinositol glycan anchor biosynthesis class U [Source:H	chr20:3314	NM_08047	.	.	.	NP_536724	.	protein_co	ENSG00000	128869	15791
PIGV	8.20939	8.59394	9.89744	6.70645	6.06057	8.53135	phosphatidylinositol glycan anchor biosynthesis class V [Source:H	chr1:27114	NM_00120	.	.	.	NP_001189	.	protein_co	ENSG00000	55650	26031
PIGW	15.8194	15.792	13.3666	16.5829	18.0239	13.8627	phosphatidylinositol glycan anchor biosynthesis class W [Source:H	chr17:3489	NM_17851	XM_01152	.	.	NP_848612	XP_005257	protein_co	ENSG00000	284098	23213
PIGX	16.8317	13.5268	14.064	11.7826	13.1973	9.56307	phosphatidylinositol glycan anchor biosynthesis class X [Source:H	chr3:19643	NM_00116	.	.	.	NP_001159	.	protein_co	ENSG00000	54965	26046
PIGY	2.00248	6.47773	3.06121	17.1596	13.6261	7.75107	phosphatidylinositol glycan anchor biosynthesis class Y [Source:H	chr4:89442	NM_00104	.	.	.	NP_001036	.	protein_co	ENSG00000	84992	28213
PIGZ	0.588777	0.887531	1.03522	0.847124	0.748148	0.917456	phosphatidylinositol glycan anchor biosynthesis class Z [Source:H	chr3:19667	NM_02516	XM_00671	.	.	NP_079439	XP_011511	protein_co	ENSG00000	80235	30596
PIH1	0	0	0	0	0	0	HCG1979943; Uncharacterized protein [Source:UniProtKB/TrEMI	chr16:7813	.	.	.	.	.	.	protein_co	ENSG00000	.	.
PIH1D1	76.0092	66.543	59.8551	97.8312	78.0686	73.2911	PIH1 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2607	chr19:4994	NM_01791	XM_00672	.	.	NP_060386	XP_006723	protein_co	ENSG00000	55011	26075
PIH1D2	1.19169	1.06285	1.41085	1.20999	1.64639	0.750894	PIH1 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:2521	chr11:1118	NM_00108	XM_01154	.	.	NP_001076	XP_011540	protein_co	ENSG00000	120379	25210
PIH1D3	0.101652	0	0.060729	0	0	0.134063	PIH1 domain containing 3 [Source:HGNC Symbol;Acc:HGNC:2857	chrX:10644	NM_00116	XM_01153	.	.	NP_001162	XP_011529	protein_co	ENSG00000	139212	28570
PIK3AP1	3.71546	3.28249	3.98369	4.24719	4.64898	4.47461	phosphoinositide-3-kinase adaptor protein 1 [Source:HGNC Symb	chr10:9835	NM_15230	XM_01153	.	.	NP_689522	XP_005269	protein_co	ENSG00000	118788	30034
PIK3C2A	8.89372	9.61143	10.2866	8.49937	11.016	11.9826	phosphatidylinositol-4-phosphate 3-kinase catalytic subunit type	chr11:1710	NM_00132	XM_01701	.	.	NP_001308	XP_005253	protein_co	ENSG00000	5286	8971
PIK3C2B	3.01166	3.38207	3.45701	3.32362	3.01065	3.63521	phosphatidylinositol-4-phosphate 3-kinase catalytic subunit type	chr1:20439	NM_00264	XM_01700	.	.	NP_002637	XP_005245	protein_co	ENSG00000	5287	8972
PIK3C2G	0	0	0	0	0	0	phosphatidylinositol-4-phosphate 3-kinase catalytic subunit type	chr12:1840	NM_00128	XM_01152	.	.	NP_001275	XP_006719	protein_co	ENSG00000	5288	8973
PIK3C3	6.62338	8.28553	7.96271	8.34127	6.21164	8.41741	phosphatidylinositol 3-kinase catalytic subunit type 3 [Source:HG	chr18:3953	NM_00130	XM_01152	.	.	NP_001294	XP_011524	protein_co	ENSG00000	5289	8974
PIK3CA	3.24117	3.3765	4.07757	2.32499	2.94637	4.26865	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit	chr3:17886	NM_00621	XM_01151	.	.	NP_006209	XP_006713	protein_co	ENSG00000	5290	8975
PIK3CB	13.4004	13.6728	13.1263	13.605	14.8522	15.7334	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit	chr3:13837	NM_00125	XM_01700	.	.	NP_001242	XP_005247	protein_co	ENSG00000	5291	8976
PIK3CD	3.77204	3.28338	5.01527	2.50557	2.77996	3.36554	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit	chr1:97117	NM_00502	XM_01700	.	.	NP_005017	XP_006710	protein_co	ENSG00000	5293	8977
PIK3CG	0	0	0	0	0	0	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit	chr7:10650	NM_00128	XM_01151	.	.	NP_001269	XP_005250	protein_co	ENSG00000	5294	8978
PIK3IP1	0.632178	0.990711	1.5065	0.447669	0.326128	0.639077	phosphoinositide-3-kinase interacting protein 1 [Source:HGNC Sy	chr22:3167	NM_00113	.	.	.	NP_001129	.	protein_co	ENSG00000	113791	24942
PIK3R1	3.98293	4.06939	4.8575	3.11337	3.95575	4.61681	phosphoinositide-3-kinase regulatory subunit 1 [Source:HGNC Sy	chr5:67511	NM_00124	XM_01154	.	.	NP_001229	XP_005248	protein_co	ENSG00000	5295	8979
PIK3R2	28.4419	28.2273	33.8508	34.35	30.3759	27.6217	phosphoinositide-3-kinase regulatory subunit 2 [Source:HGNC Sy	chr19:1826	NM_00502	.	.	.	NP_005018	.	protein_co	ENSG00000	5296	8980
PIK3R3	1.47122	1.2284	0.969554	1.30937	1.08146	1.17473	phosphoinositide-3-kinase regulatory subunit 3 [Source:HGNC Sy	chr1:46505	NM_00111	XM_01700	.	.	NP_001107	XP_016858	protein_co	ENSG00000	8503	8981
PIK3R4	10.5969	11.4358	11.0232	9.91948	11.8179	8.85183	phosphoinositide-3-kinase regulatory subunit 4 [Source:HGNC Sy	chr3:13039	NM_01460	.	.	.	NP_055417	.	protein_co	ENSG00000	30849	8982
PIK3R5	0.806196	0.777931	0.668323	0.772957	0.523934	0.572528	phosphoinositide-3-kinase regulatory subunit 5 [Source:HGNC Sy	chr17:8782	NM_00114	XM_01152	.	.	NP_001136	XP_005256	protein_co	ENSG00000	23533	30035
PIK3R6	0	0.068473	0.059446	0	0	0	phosphoinositide-3-kinase regulatory subunit 6 [Source:HGNC Sy	chr17:8706	NM_00101	XM_01702	.	.	NP_001010	XP_011521	protein_co	ENSG00000	146850	27101
PIKFYVE	5.50665	5.95385	6.25188	5.21038	6.68917	7.41429	phosphoinositide kinase, FYVE-type zinc finger containing [Source	chr2:20913	NM_00117	XM_01700	.	.	NP_001171	XP_011509	protein_co	ENSG00000	200576	23785
PILRA	0.423264	0.270047	0.420417	0.570725	0.294868	0.645704	paired immunoglobin like type 2 receptor alpha [Source:HGNC Sy	chr7:99971	NM_01343	.	.	.	NP_038467	.	protein_co	ENSG00000	29992	20396
PILRB	28.353	23.9744	25.9403	24.941	23.8077	20.621	paired immunoglobin-like type 2 receptor beta [Source:HGNC Syr	chr7:99949	NM_17823	.	NR_106899	.	NP_839956	.	protein_co	ENSG00000	102466747	18297
PIM1	10.6693	10.7489	7.24913	10.6466	11.0673	12.7326	Pim-1 proto-oncogene, serine/threonine kinase [Source:HGNC Sy	chr6:37137	NM_00124	.	.	.	NP_001230	.	protein_co	ENSG00000	5292	8986
PIM2	14.2607	14.7167	12.6262	15.945	14.3899	10.4438	Pim-2 proto-oncogene, serine/threonine kinase [Source:HGNC Sy	chrX:48770	NM_00687	XM_01154	.	.	NP_006866	.	protein_co	ENSG00000	11040	8987
PIM3	90.7063	91.7271	88.2248	97.916	91.2432	83.5285	Pim-3 proto-oncogene, serine/threonine kinase [Source:HGNC Sy	chr22:5035	NM_00100	.	.	.	NP_001001	.	protein_co	ENSG00000	415116	19310
PIN1	56.2991	53.6734	52.0286	71.2425	63.2013	49.9337	peptidylprolyl cis/trans isomerase, NIMA-interacting 1 [Source:H	chr19:9945	NM_00622	.	.	.	NP_006212	.	protein_co	ENSG00000	5300	8988
PIN4	20.8559	16.9332	16.8981	23.9634	15.7106	17.3785	peptidylprolyl cis/trans isomerase, NIMA-interacting 4 [Source:H	chrX:71401	NM_00117	.	.	.	NP_001164	.	protein_co	ENSG00000	5303	8992
PINK1	14.2863	14.5097	21.0626	10.0384	8.05062	14.4157	PTEN induced putative kinase 1 [Source:HGNC Symbol;Acc:HGNC	chr1:20959	NM_03240	.	NR_106732	.	NP_115785	.	protein_co	ENSG00000	102464833	14581
PINLYP	0	0	0.173014	0.21846	0	0.145032	phospholipase A2 inhibitor and LY6/PLAUR domain containing [So	chr19:4404	NM_00119	XM_01152	.	.	NP_001180	XP_005258	protein_co	ENSG00000	390940	44206
PINX1	15.7172	16.7759	14.3801	24.706	18.6797	12.7564	PIN2/TERF1 interacting, telomerase inhibitor 1 [Source:HGNC Syr	chr8:10581	NM_00128	.	.	.	NP_001271	.	protein_co	ENSG00000	54984	30046
PIP	0	0	0	0	0	0	prolactin induced protein [Source:HGNC Symbol;Acc:HGNC:8993]	chr7:14282	NM_00265	.	.	.	NP_002643	.	protein_co	ENSG00000	5304	8993
PIP4K2A	14.6053	16.0741	13.8622	18.3784	21.7515	19.1359	phosphatidylinositol-5-phosphate 4-kinase type 2 alpha [Source:H	chr10:2282	NM_00502	XM_01701	.	.	NP_005019	XP_006717	protein_co	ENSG00000	5305	8997
PIP4K2B	16.366	17.1189	19.2656	17.0917	17.3699	16.8161	phosphatidylinositol-5-phosphate 4-kinase type 2 beta [Source:H	chr17:3692	NM_00355	XM_01152	.	.	NP_003550	XP_011523	protein_co	ENSG00000	8396	8998
PIP4K2C	28.49	28.7492	28.2492	30.126	27.6624	25.4425	phosphatidylinositol-5-phosphate 4-kinase type 2 gamma [Source	chr12:5798	NM_00114	XM_00526	.	.	NP_001139	XP_005269	protein_co	ENSG00000	79837	23786
PIP5K1A	41.8359	42.7614	40.3671	44.0497	45.1682	49.5557	phosphatidylinositol-4-phosphate 5-kinase type 1 alpha [Source:H	chr1:15117	NM_00113	XM_01151	.	.	NP_001129	XP_005245	protein_co	ENSG00000	8394	8994
PIP5K1B	0	0	0.024777	0	0	0.0285	phosphatidylinositol-4-phosphate 5-kinase type 1 beta [Source:H	chr9:71320	NM_00127	XM_01701	.	.	NP_001265	XP_005252	protein_co	ENSG00000	8395	8995
PIP5K1C	12.1249	12.1677	12.5063	12.3618	11.8387	10.3305	phosphatidylinositol-4-phosphate 5-kinase type 1 gamma [Source	chr19:3630	NM_00119	XM_01152	.	.	NP_001182	XP_011526	protein_co	ENSG00000	23396	8996
PIP5KL1	8.31597	7.98219	5.87685	3.96405	3.10946	6.22914	phosphatidylinositol-4-phosphate 5-kinase like 1 [Source:HGNC S	chr9:13068	NM_00113	.	.	.	NP_001128	.	protein_co	ENSG00000	138429	28711
PIPOX	0.055495	0.084673	0.096486	0.121508	0.189526	0.116452	pipecolic acid and sarcosine oxidase [Source:HGNC Symbol;Acc:H	chr17:2736	NM_01651	.	.	.	NP_057602	.	protein_co	ENSG00000	51268	17804

PIR	16.2052	14.2934	10.9782	26.5057	19.6709	22.3859	pirin [Source:HGNC Symbol;Acc:HGNC:30048]	chrX:15402	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	8544	30048
PIRT	0	0	0	0	0	0	phosphoinositide interacting regulator of transient receptor pote	chr17:1072	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	644139	37239
PISD	28.8731	27.6092	33.1221	25.1181	24.7781	20.1637	phosphatidylserine decarboxylase [Source:HGNC Symbol;Acc:HG	chr22:3189	NM_01433	XM_01153	NR_10695	.	NP_00131	XP_005261	protein_co	ENSG0000	102465666	8999
PITHD1	44.4043	44.2234	39.7713	54.0844	49.0715	34.6588	PITH domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2502	chr1:24104	NM_02036	XM_01154	.	.	NP_06509	XP_011540	protein_co	ENSG0000	57095	25022
PITPNA	27.1296	27.1134	27.637	29.3879	27.7836	24.4793	phosphatidylinositol transfer protein alpha [Source:HGNC Symbo	chr17:1421	NM_00622	XM_01152	.	.	NP_00621	XP_011522	protein_co	ENSG0000	5306	9001
PITPNB	28.41	30.6372	30.2458	31.9455	33.215	34.7854	phosphatidylinositol transfer protein beta [Source:HGNC Symbol;	chr22:2824	NM_00128	XM_01153	.	.	NP_00127	XP_011528	protein_co	ENSG0000	23760	9002
PITPNC1	12.4054	12.3939	16.0733	17.9925	13.9571	15.1507	phosphatidylinositol transfer protein, cytoplasmic 1 [Source:HGN	chr17:6537	NM_01241	XM_00525	.	.	NP_03654	XP_005257	protein_co	ENSG0000	26207	21045
PITPNM1	20.38	18.6867	20.1205	22.6918	20.8645	17.6695	phosphatidylinositol transfer protein membrane associated 1 [So	chr11:6725	NM_00113	XM_01701	.	.	NP_00112	XP_011543	protein_co	ENSG0000	9600	9003
PITPNM2	3.15209	2.89943	3.40119	3.13704	2.90399	2.7145	phosphatidylinositol transfer protein membrane associated 2 [So	chr12:1234	NM_00130	XM_01153	.	.	NP_00128	XP_011536	protein_co	ENSG0000	57605	21044
PITPNM3	1.48948	1.72191	1.84018	1.63697	1.50737	1.61379	PITPNM family member 3 [Source:HGNC Symbol;Acc:HGNC:2104	chr17:6347	NM_00116	XM_01152	.	.	NP_00115	XP_011522	protein_co	ENSG0000	83394	21043
PITRM1	20.7432	20.4108	20.4965	22.3643	20.966	19.1897	pitrilysin metallopeptidase 1 [Source:HGNC Symbol;Acc:HGNC:17	chr10:3179	NM_00124	XM_01701	.	.	NP_00122	XP_005252	protein_co	ENSG0000	10531	17663
PITX1	19.1842	19.9398	17.4634	24.4279	21.487	17.696	paired like homeodomain 1 [Source:HGNC Symbol;Acc:HGNC:900	chr5:13436	NM_00265	.	.	.	NP_00264	.	protein_co	ENSG0000	5307	9004
PITX2	4.93281	5.19342	4.06079	6.26487	4.85993	4.4088	paired like homeodomain 2 [Source:HGNC Symbol;Acc:HGNC:900	chr4:11153	NM_00032	XM_01153	.	.	NP_00031	XP_006714	protein_co	ENSG0000	5308	9005
PITX3	1.26499	1.38844	2.39871	2.74402	2.8998	1.46654	paired like homeodomain 3 [Source:HGNC Symbol;Acc:HGNC:900	chr10:1039	NM_00502	.	.	.	NP_00502	.	protein_co	ENSG0000	5309	9006
PIWIL1	0	0	0	0.022036	0	0	piwi like RNA-mediated gene silencing 1 [Source:HGNC Symbol;A	chr12:1308	NM_00119	XM_01153	.	.	NP_00117	XP_006719	protein_co	ENSG0000	9271	9007
PIWIL2	0.141402	0.075783	0.075578	0.032443	0.049035	0.103198	piwi like RNA-mediated gene silencing 2 [Source:HGNC Symbol;A	chr8:22132	NM_00113	XM_00527	.	.	NP_00112	XP_005273	protein_co	ENSG0000	55124	17644
PIWIL3	0	0	0	0.022441	0	0	piwi like RNA-mediated gene silencing 3 [Source:HGNC Symbol;A	chr22:2511	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	440822	18443
PIWIL4	0.422138	0.118278	0.155346	0.127381	0.075519	0.319419	piwi like RNA-mediated gene silencing 4 [Source:HGNC Symbol;A	chr11:9430	NM_15243	.	.	.	NP_68964	.	protein_co	ENSG0000	143689	18444
PJA1	10.0635	9.49153	10.0698	10.2726	8.58421	11.6561	praja ring finger ubiquitin ligase 1 [Source:HGNC Symbol;Acc:HGN	chrX:68380	NM_00103	XM_01153	.	.	NP_00102	XP_005262	protein_co	ENSG0000	64219	16648
PJA2	20.381	21.8324	17.0039	18.8631	22.1762	26.9468	praja ring finger ubiquitin ligase 2 [Source:HGNC Symbol;Acc:HGN	chr5:10867	NM_01481	XM_01701	.	.	NP_05563	XP_016865	protein_co	ENSG0000	9867	17481
PKD1	7.87378	8.12721	7.8398	6.15378	6.97508	8.95357	polycystin 1, transient receptor potential channel interacting [Sou	chr16:2089	NM_00029	XM_01152	NR_10677	.	NP_00028	XP_011520	protein_co	ENSG0000	102465429	9008
PKD1L1	0.007913	0.040742	0.041027	0.034942	0.026826	0.024683	polycystin 1 like 1, transient receptor potential channel interactin	chr7:47814	NM_13829	XM_01151	.	.	NP_61215	XP_016867	protein_co	ENSG0000	168507	18053
PKD1L3	0	0	0	0	0	0	polycystin 1 like 3, transient receptor potential channel interactin	chr16:7192	NM_18153	.	.	.	NP_85351	.	protein_co	ENSG0000	342372	21716
PKD2	4.94796	5.72802	4.98751	4.44584	4.76475	6.14544	polycystin 2, transient receptor potential cation channel [Source:	chr4:88928	NM_00029	XM_01153	.	.	NP_00028	XP_011530	protein_co	ENSG0000	5311	9009
PKD2L1	0.021815	0	0.018956	0.023861	0.02482	0.069444	polycystin 2 like 1, transient receptor potential cation channel [S	chr10:1020	NM_00125	XM_01154	.	.	NP_00124	.	protein_co	ENSG0000	9033	9011
PKD2L2	0	0	0	0.046257	0	0	polycystin 2 like 2, transient receptor potential cation channel [S	chr5:13722	NM_00125	XM_01154	.	.	NP_00124	XP_011541	protein_co	ENSG0000	27039	9012
PKDCC	0.146587	0.17937	0.156627	0.507311	0.21425	0.528167	protein kinase domain containing, cytoplasmic [Source:HGNC Syn	chr2:42275	NM_13837	.	.	.	NP_61237	.	protein_co	ENSG0000	91461	25123
PKDREJ	0	0.011168	0.009206	0	0	0.010678	polycystin (PKD) family receptor for egg jelly [Source:HGNC Symb	chr22:4665	NM_00607	.	.	.	NP_00606	.	protein_co	ENSG0000	10343	9015
PKHD1	0	0	0.007471	0	0	0.008664	polycystic kidney and hepatic disease 1 (autosomal recessive) [So	chr6:51480	NM_13869	XM_01151	.	.	NP_61963	XP_011512	protein_co	ENSG0000	5314	9016
PKHD1L1	0.005147	0	0.004479	0	0	0	polycystic kidney and hepatic disease 1 (autosomal recessive)-like	chr8:11037	NM_17753	XM_01151	.	.	NP_80387	XP_011515	protein_co	ENSG0000	93035	20313
PKIA	2.22947	2.11829	2.41282	2.46396	2.62535	2.30976	protein kinase (cAMP-dependent, catalytic) inhibitor alpha [Sourc	chr8:79428	NM_00682	XM_01701	.	.	NP_00681	XP_016869	protein_co	ENSG0000	5569	9017
PKIB	12.0319	10.6841	17.5369	16.2631	18.4088	19.9672	protein kinase (cAMP-dependent, catalytic) inhibitor beta [Source	chr6:12279	NM_00127	XM_01153	.	.	NP_00125	XP_011534	protein_co	ENSG0000	5570	9018
PKIG	15.253	17.5737	15.4965	20.3948	15.2958	18.0554	protein kinase (cAMP-dependent, catalytic) inhibitor gamma [Sou	chr20:4316	NM_00128	.	.	.	NP_00126	XP_016883	protein_co	ENSG0000	11142	9019
PKLR	0	0	0.034192	0	0	0	pyruvate kinase, liver and RBC [Source:HGNC Symbol;Acc:HGNC:9	chr1:15524	NM_00029	XM_01150	.	.	NP_00028	XP_006711	protein_co	ENSG0000	5313	9020
PKM	713.973	737.497	712.186	895.181	769.478	774.532	pyruvate kinase, muscle [Source:HGNC Symbol;Acc:HGNC:9021]	chr15:7249	NM_00120	XM_01152	.	.	NP_00119	XP_005254	protein_co	ENSG0000	5315	9021
PKMYT1	40.6514	43.6357	32.0374	43.5842	39.6298	34.6298	protein kinase, membrane associated tyrosine/threonine 1 [Sour	chr16:3013	NM_00125	XM_01152	.	.	NP_00124	XP_011521	protein_co	ENSG0000	9088	29650
PKN1	64.9719	66.0767	70.9932	69.4977	53.8639	49.8124	protein kinase N1 [Source:HGNC Symbol;Acc:HGNC:9405]	chr19:1454	NM_00274	XM_01152	.	.	NP_00273	XP_011526	protein_co	ENSG0000	5585	9405
PKN2	16.4108	15.6424	18.48	12.9777	18.3859	18.5605	protein kinase N2 [Source:HGNC Symbol;Acc:HGNC:9406]	chr1:89149	NM_00625	XM_01154	.	.	NP_00130	XP_016857	protein_co	ENSG0000	5586	9406
PKN3	17.7154	18.7714	18.6337	18.1169	17.3719	14.8756	protein kinase N3 [Source:HGNC Symbol;Acc:HGNC:17999]	chr9:13146	NM_01335	XM_01151	.	.	NP_00130	XP_005252	protein_co	ENSG0000	29941	17999
PKNOX1	5.15314	4.99152	5.06389	4.96379	5.56397	5.07089	PBX/knotted 1 homeobox 1 [Source:HGNC Symbol;Acc:HGNC:902	chr21:4439	NM_00128	XM_01152	.	.	NP_00127	.	protein_co	ENSG0000	5316	9022
PKNOX2	0.0663	0	0.072512	0	0	0.035649	PBX/knotted 1 homeobox 2 [Source:HGNC Symbol;Acc:HGNC:167	chr11:1250	NM_02206	XM_01154	.	.	NP_07134	XP_005271	protein_co	ENSG0000	63876	16714
PKP1	0.013321	0	0.023084	0.014488	0	0.035147	plakophilin 1 [Source:HGNC Symbol;Acc:HGNC:9023]	chr1:20125	NM_00029	.	.	.	NP_00029	.	protein_co	ENSG0000	5317	9023
PKP2	7.92314	7.5142	8.64656	8.60291	8.38188	7.72547	plakophilin 2 [Source:HGNC Symbol;Acc:HGNC:9024]	chr12:3294	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	5318	9024
PKP3	58.0254	60.4917	48.0867	60.6238	50.6214	47.4256	plakophilin 3 [Source:HGNC Symbol;Acc:HGNC:9025]	chr11:3942	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	11187	9025
PKP4	17.3633	17.7057	22.8595	21.0651	20.0223	24.5208	plakophilin 4 [Source:HGNC Symbol;Acc:HGNC:9026]	chr2:15931	NM_00100	XM_01151	.	.	NP_00100	XP_011510	protein_co	ENSG0000	8502	9026
PLA1A	0.177032	0.054133	0.226787	0.115805	0.049933	0.136852	phospholipase A1 member A [Source:HGNC Symbol;Acc:HGNC:17	chr3:11931	NM_00120	XM_01700	.	.	NP_00119	XP_016862	protein_co	ENSG0000	51365	17661
PLA2G10	1.36198	0.243488	0.944575	1.45434	0.863774	0	phospholipase A2 group X [Source:HGNC Symbol;Acc:HGNC:9029	chr16:1476	NM_00356	.	.	.	NP_00355	XP_011520	protein_co	ENSG0000	8399	9029
PLA2G12A	13.8454	15.5828	13.0019	12.9661	13.1133	13.1032	phospholipase A2 group XIIA [Source:HGNC Symbol;Acc:HGNC:18	chr4:11063	NM_03082	.	.	.	NP_11044	.	protein_co	ENSG0000	81579	18554
PLA2G12B	0	0	0	0	0.075618	0	phospholipase A2 group XIIB [Source:HGNC Symbol;Acc:HGNC:18	chr10:7469	NM_03256	XM_00527	.	.	NP_00130	XP_005270	protein_co	ENSG0000	84647	18555
PLA2G15	4.9186	6.24296	5.97184	5.50512	4.60084	5.04212	phospholipase A2 group XV [Source:HGNC Symbol;Acc:HGNC:171	chr16:6827	NM_01232	XM_01152	.	.	NP_03645	XP_005255	protein_co	ENSG0000	23659	17163
PLA2G16	18.9195	19.7512	20.9778	18.986	17.8309	15.7172	phospholipase A2 group XVI [Source:HGNC Symbol;Acc:HGNC:17	chr11:6334	NM_00112	XM_00671	.	.	NP_00112	XP_006718	protein_co	ENSG0000	11145	17825
PLA2G1B	0.176399	0	0.152166	0	0.318063	0.293421	phospholipase A2 group IB [Source:HGNC Symbol;Acc:HGNC:903	chr12:1207	NM_00092	.	.	.	NP_00091	.	protein_co	ENSG0000	5319	9030
PLA2G2A	0	0	0	0	0	0	phospholipase A2 group IIA [Source:HGNC Symbol;Acc:HGNC:903	chr1:20301	NM_00030	.	.	.	NP_00029	.	protein_co	ENSG0000	5320	9031
PLA2G2C	0	0	0	0	0	0	phospholipase A2 group IIC [Source:HGNC Symbol;Acc:HGNC:903	chr1:20487	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	391013	9032
PLA2G2D	0	0	0	0	0	0	phospholipase A2 group IID [Source:HGNC Symbol;Acc:HGNC:903	chr1:20438	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	26279	9033
PLA2G2E	0	0	0	0	0	0	phospholipase A2 group IIE [Source:HGNC Symbol;Acc:HGNC:134	chr1:20246	NM_01458	.	.	.	NP_05540	.	protein_co	ENSG0000	30814	13414
PLA2G2F	0	0	0.021068	0	0	0	phospholipase A2 group IIF [Source:HGNC Symbol;Acc:HGNC:300	chr1:20465	NM_02281	XM_01154	.	.	NP_07373	XP_011540	protein_co	ENSG0000	64600	30040
PLA2G3	0.028111	0	0	0	0.032304	0.030391	phospholipase A2 group III [Source:HGNC Symbol;Acc:HGNC:179	chr22:3153	NM_01571	XM_01153	.	.	NP_05653	.	protein_co	ENSG0000	50487	17934
PLA2G4A	4.3436	4.08991	6.45794	5.61469	6.13631	6.72124	phospholipase A2 group IVA [Source:HGNC Symbol;Acc:HGNC:90	chr1:18679	NM_02442	XM_01150	.	.	NP_07773	XP_005245	protein_co	ENSG0000	5321	9035

PLA2G4B	2.76444	2.43725	2.98873	2.58696	3.21961	2.5369	phospholipase A2 group IVB [Source:HGNC Symbol;Acc:HGNC:90	chr15:4212	NM_00111	.	.	.	NP_001108	.	protein_co	ENSG0000	100137049	9036
PLA2G4C	1.73296	2.04683	1.02226	0.407801	0.334619	0.479583	phospholipase A2 group IVC [Source:HGNC Symbol;Acc:HGNC:90	chr19:4855	NM_00115	XM_01152	.	.	NP_001152	XP_011525	protein_co	ENSG0000	8605	9037
PLA2G4D	0.167453	0.146647	0.181162	0.2258	0.096032	0.090872	phospholipase A2 group IVD [Source:HGNC Symbol;Acc:HGNC:30	chr15:4235	NM_17803	XM_01152	.	.	NP_828848	XP_011519	protein_co	ENSG0000	283748	30038
PLA2G4E	0	0.01311	0	0	0	0	phospholipase A2 group IVE [Source:HGNC Symbol;Acc:HGNC:24	chr15:4227	NM_00120	XM_01152	.	.	NP_001193	XP_011519	protein_co	ENSG0000	123745	24791
PLA2G4F	0.061916	0.037509	0.085759	0.080652	0.084929	0.039804	phospholipase A2 group IVF [Source:HGNC Symbol;Acc:HGNC:27	chr15:4243	NM_21360	.	.	.	NP_998765	.	protein_co	ENSG0000	255189	27396
PLA2G5	0	0	0	0	0	0	phospholipase A2 group V [Source:HGNC Symbol;Acc:HGNC:9038	chr1:20396	NM_00092	XM_01154	.	.	NP_000920	XP_005245	protein_co	ENSG0000	5322	9038
PLA2G6	4.8899	5.44252	5.42922	2.78226	2.38663	4.61598	phospholipase A2 group VI [Source:HGNC Symbol;Acc:HGNC:903	chr22:3850	NM_00100	XM_01702	.	.	NP_001004	XP_005261	protein_co	ENSG0000	8398	9039
PLA2G7	2.47513	2.22635	3.76327	3.17163	4.19316	5.38116	phospholipase A2 group VII [Source:HGNC Symbol;Acc:HGNC:904	chr6:46655	NM_00116	XM_00524	.	.	NP_001161	XP_005249	protein_co	ENSG0000	7941	9040
PLA2R1	0.129093	0.151183	0.25877	0.08026	0.047684	0.113033	phospholipase A2 receptor 1 [Source:HGNC Symbol;Acc:HGNC:90	chr2:16078	NM_00100	XM_01151	.	.	NP_001007	XP_005246	protein_co	ENSG0000	22925	9042
PLAA	21.3601	22.7365	18.9556	23.0172	23.4282	19.3137	phospholipase A2 activating protein [Source:HGNC Symbol;Acc:H	chr9:26904	NM_00103	XM_01151	.	.	NP_001026	.	protein_co	ENSG0000	9373	9043
PLAC1	1.06025	0.709942	1.11453	0.840278	0.170416	0.701258	placenta specific 1 [Source:HGNC Symbol;Acc:HGNC:9044]	chrX:13369	NM_02179	XM_01153	.	.	NP_001303	XP_011529	protein_co	ENSG0000	10761	9044
PLAC8	0.075849	0.244848	0.206752	0	0.136172	0.077094	placenta specific 8 [Source:HGNC Symbol;Acc:HGNC:19254]	chr4:84011	NM_00113	.	.	.	NP_001124	.	protein_co	ENSG0000	51316	19254
PLAC8L1	1.28186	0.592113	1.60651	0.635301	1.12341	1.00822	PLAC8 like 1 [Source:HGNC Symbol;Acc:HGNC:31746]	chr5:14546	NM_00102	.	.	.	NP_001025	.	protein_co	ENSG0000	153770	31746
PLAC9	0	0	0	0	0	0	placenta specific 9 [Source:HGNC Symbol;Acc:HGNC:19255]	chr10:8189	NM_00101	.	.	.	NP_001012	.	protein_co	ENSG0000	219348	19255
PLAG1	0.191755	0.285029	0.232508	0.235591	0.300301	0.457517	PLAG1 zinc finger [Source:HGNC Symbol;Acc:HGNC:9045]	chr8:57073	NM_00111	XM_01701	.	.	NP_001108	XP_005251	protein_co	ENSG0000	5324	9045
PLAGL1	17.0671	17.7798	14.0836	14.5385	14.0782	10.6868	PLAG1 like zinc finger 1 [Source:HGNC Symbol;Acc:HGNC:9046]	chr6:14426	NM_00108	.	.	.	NP_001074	.	protein_co	ENSG0000	5325	9046
PLAGL2	11.2241	11.5601	11.5367	13.543	14.0187	10.3243	PLAG1 like zinc finger 2 [Source:HGNC Symbol;Acc:HGNC:9047]	chr20:3078	NM_00265	XM_01152	.	.	NP_002648	XP_005260	protein_co	ENSG0000	5326	9047
PLAT	6.33043	5.29198	5.7753	9.40542	8.13079	7.11647	plasminogen activator, tissue type [Source:HGNC Symbol;Acc:HG	chr8:42032	NM_00093	.	.	.	NP_000921	.	protein_co	ENSG0000	5327	9051
PLAU	51.822	52.6649	39.9831	26.44	23.0662	27.8236	plasminogen activator, urokinase [Source:HGNC Symbol;Acc:HGN	chr10:7566	NM_00114	XM_01153	.	.	NP_001138	XP_011538	protein_co	ENSG0000	5328	9052
PLAUR	33.8727	36.6861	21.6024	30.7857	29.5617	31.5718	plasminogen activator, urokinase receptor [Source:HGNC Symbol	chr19:4415	NM_00100	XM_01152	.	.	NP_001005	XP_011525	protein_co	ENSG0000	5329	9053
PLB1	0.062386	0.050805	0.075827	0.109175	0.042332	0.052958	phospholipase B1 [Source:HGNC Symbol;Acc:HGNC:30041]	chr2:28718	NM_00117	XM_01700	.	.	NP_001164	XP_011530	protein_co	ENSG0000	151056	30041
PLBD1	0	0	0	0	0	0	phospholipase B domain containing 1 [Source:HGNC Symbol;Acc:	chr12:1465	NM_02482	.	.	.	NP_079105	.	protein_co	ENSG0000	79887	26215
PLBD2	18.6675	17.8756	22.2266	16.6936	16.1771	19.8801	phospholipase B domain containing 2 [Source:HGNC Symbol;Acc:	chr12:1137	NM_00115	XM_01701	.	.	NP_001153	XP_011536	protein_co	ENSG0000	196463	27283
PLCB1	2.36217	2.47535	2.20696	2.15785	3.14065	3.25716	phospholipase C beta 1 [Source:HGNC Symbol;Acc:HGNC:15917]	chr20:8057	NM_01519	XM_01702	.	.	NP_056007	XP_011527	protein_co	ENSG0000	23236	15917
PLCB2	0.409897	0.394876	0.432472	0.252595	0.220538	0.319846	phospholipase C beta 2 [Source:HGNC Symbol;Acc:HGNC:9055]	chr15:4058	NM_00128	XM_01152	.	.	NP_001271	XP_011519	protein_co	ENSG0000	5330	9055
PLCB3	41.4496	41.2027	41.2001	49.2681	44.5884	38.4696	phospholipase C beta 3 [Source:HGNC Symbol;Acc:HGNC:9056]	chr11:6401	NM_00093	XM_01154	.	.	NP_000923	XP_005274	protein_co	ENSG0000	5331	9056
PLCB4	0.996238	1.05606	1.36458	0.473282	0.678265	1.10897	phospholipase C beta 4 [Source:HGNC Symbol;Acc:HGNC:9059]	chr20:9049	NM_00093	XM_01702	.	.	NP_000924	XP_005260	protein_co	ENSG0000	5332	9059
PLCD1	3.38033	3.95457	5.01881	6.43226	5.91617	6.65218	phospholipase C delta 1 [Source:HGNC Symbol;Acc:HGNC:9060]	chr3:38048	NM_00113	.	.	.	NP_001124	XP_016862	protein_co	ENSG0000	5333	9060
PLCD3	19.2145	21.1093	22.6189	23.1527	19.3525	16.4886	phospholipase C delta 3 [Source:HGNC Symbol;Acc:HGNC:9061]	chr17:4310	NM_13337	.	.	.	NP_588614	.	protein_co	ENSG0000	113026	9061
PLCD4	0.081001	0.102749	0.281442	0.110632	0.136926	0.063535	phospholipase C delta 4 [Source:HGNC Symbol;Acc:HGNC:9062]	chr2:21947	NM_03272	XM_01700	.	.	NP_116115	XP_005246	protein_co	ENSG0000	84812	9062
PLCE1	0.936888	0.76216	0.942415	1.1574	0.955346	1.22872	phospholipase C epsilon 1 [Source:HGNC Symbol;Acc:HGNC:1717	chr10:9579	NM_00116	XM_01153	.	.	NP_001159	XP_006717	protein_co	ENSG0000	51196	17175
PLCG1	10.3843	11.1839	12.8378	13.8396	13.5944	12.0995	phospholipase C gamma 1 [Source:HGNC Symbol;Acc:HGNC:9065	chr20:3976	NM_00266	XM_01152	.	.	NP_002651	XP_005260	protein_co	ENSG0000	5335	9065
PLCG2	6.95097	7.54782	7.80185	8.17997	7.29799	8.10747	phospholipase C gamma 2 [Source:HGNC Symbol;Acc:HGNC:9066	chr16:8181	NM_00266	XM_01152	.	.	NP_002652	.	protein_co	ENSG0000	5336	9066
PLCH1	1.62404	1.66191	1.44909	1.65472	1.8666	1.89394	phospholipase C eta 1 [Source:HGNC Symbol;Acc:HGNC:29185]	chr3:15509	NM_00113	XM_01700	.	.	NP_001124	XP_005247	protein_co	ENSG0000	23007	29185
PLCH2	0.536071	0.283	0.619991	0.831677	0.615388	0.758902	phospholipase C eta 2 [Source:HGNC Symbol;Acc:HGNC:29037]	chr1:23988	NM_00130	XM_01700	.	.	NP_001289	XP_011540	protein_co	ENSG0000	9651	29037
PLCL1	0.01501	0	0.039252	0	0.033438	0	phospholipase C like 1 [Source:HGNC Symbol;Acc:HGNC:9063]	chr2:19866	NM_00622	XM_01700	.	.	NP_006217	XP_005246	protein_co	ENSG0000	5334	9063
PLCL2	2.73471	2.45528	3.27934	2.4164	2.64803	2.14234	phospholipase C like 2 [Source:HGNC Symbol;Acc:HGNC:9064]	chr3:16926	NM_00114	XM_01700	NR_03746	.	NP_001137	XP_006713	protein_co	ENSG0000	100500913	9064
PLCXD1	1.90308	2.39731	1.81547	1.6825	1.55452	1.27085	phosphatidylinositol specific phospholipase C X domain containin	chrX:19298	NM_01839	XM_01154	.	.	NP_060860	XP_006724	protein_co	ENSG0000	55344	23148
PLCXD2	4.60256	5.00963	5.75735	4.27756	5.44867	6.20963	phosphatidylinositol specific phospholipase C X domain containin	chr3:11139	NM_00118	.	.	.	NP_001172	.	protein_co	ENSG0000	257068	26462
PLCXD3	0	0.01227	0	0	0	0	phosphatidylinositol specific phospholipase C X domain containin	chr5:41307	NM_00100	.	.	.	NP_001005	.	protein_co	ENSG0000	345557	31822
PLCZ1	0	0	0	0	0	0	phospholipase C zeta 1 [Source:HGNC Symbol;Acc:HGNC:19218]	chr12:1883	NM_03312	XM_01152	.	.	NP_149114	XP_005253	protein_co	ENSG0000	89869	19218
PLD1	1.33963	1.16385	2.33754	1.47075	1.346	2.44085	phospholipase D1 [Source:HGNC Symbol;Acc:HGNC:9067]	chr3:17131	NM_00113	XM_01151	.	.	NP_001123	XP_005247	protein_co	ENSG0000	5337	9067
PLD2	11.6556	11.9436	14.8586	10.4899	9.33747	9.6887	phospholipase D2 [Source:HGNC Symbol;Acc:HGNC:9068]	chr17:4710	NM_00124	.	.	.	NP_001230	.	protein_co	ENSG0000	5338	9068
PLD3	41.049	46.2569	44.0079	50.0686	40.9775	48.0263	phospholipase D family member 3 [Source:HGNC Symbol;Acc:HG	chr19:4085	NM_00103	XM_01702	.	.	NP_001026	XP_005258	protein_co	ENSG0000	23646	17158
PLD4	0.02468	0.036831	0	0.026565	0.028458	0	phospholipase D family member 4 [Source:HGNC Symbol;Acc:HG	chr14:1053	NM_00130	XM_01153	.	.	NP_001295	XP_011534	protein_co	ENSG0000	122618	23792
PLD5	0	0	0	0	0	0	phospholipase D family member 5 [Source:HGNC Symbol;Acc:HG	chr1:24224	NM_00119	XM_01154	.	.	NP_001182	XP_006711	protein_co	ENSG0000	200150	26879
PLD6	8.76972	11.2092	10.0722	11.5393	12.4912	11.2218	phospholipase D family member 6 [Source:HGNC Symbol;Acc:HG	chr17:1710	NM_17883	XM_01702	.	.	NP_849158	XP_016879	protein_co	ENSG0000	201164	30447
PLEC	72.8585	81.7946	62.8437	57.7908	58.2712	53.1135	plectin [Source:HGNC Symbol;Acc:HGNC:9069]	chr8:14498	NM_00044	XM_01151	.	.	NP_000436	XP_005251	protein_co	ENSG0000	5339	9069
PLEK	0.023765	0	0.041518	0	0.026677	0	pleckstrin [Source:HGNC Symbol;Acc:HGNC:9070]	chr2:68592	NM_00266	XM_01153	.	.	NP_002655	.	protein_co	ENSG0000	5341	9070
PLEK2	40.7923	41.3852	36.2352	43.1862	36.6393	39.4264	pleckstrin 2 [Source:HGNC Symbol;Acc:HGNC:19238]	chr14:6785	NM_01644	XM_01153	.	.	NP_057529	XP_011534	protein_co	ENSG0000	26499	19238
PLEKHA1	16.6793	19.3966	16.9763	13.7475	14.6842	15.9172	pleckstrin homology domain containing A1 [Source:HGNC Symbo	chr10:1241	NM_00100	XM_01701	.	.	NP_001001	XP_005270	protein_co	ENSG0000	59338	14335
PLEKHA2	3.50644	3.57644	5.69995	4.14852	5.25283	5.51012	pleckstrin homology domain containing A2 [Source:HGNC Symbo	chr8:38758	NM_02162	XM_01701	.	.	NP_067636	XP_011542	protein_co	ENSG0000	59339	14336
PLEKHA3	2.05429	2.071	1.74484	1.33207	1.262	1.96588	pleckstrin homology domain containing A3 [Source:HGNC Symbo	chr2:17934	NM_01909	XM_01151	.	.	NP_061964	XP_011509	protein_co	ENSG0000	65977	14338
PLEKHA4	4.63223	4.5507	5.32462	3.22174	2.6207	4.43537	pleckstrin homology domain containing A4 [Source:HGNC Symbo	chr19:4934	NM_00116	XM_01152	.	.	NP_001154	XP_005259	protein_co	ENSG0000	57664	14339
PLEKHA5	5.53293	5.7382	5.54714	4.99328	4.73697	5.8145	pleckstrin homology domain containing A5 [Source:HGNC Symbo	chr12:1928	NM_00114	XM_01701	.	.	NP_001137	XP_005253	protein_co	ENSG0000	54477	30036
PLEKHA6	2.28571	2.70398	2.44964	4.08897	4.10095	4.38097	pleckstrin homology domain containing A6 [Source:HGNC Symbo	chr1:20418	NM_01493	XM_01150	.	.	NP_055750	XP_005245	protein_co	ENSG0000	22874	17053
PLEKHA7	1.39598	1.61675	2.40591	1.70452	1.6833	1.9819	pleckstrin homology domain containing A7 [Source:HGNC Symbo	chr11:1679	NM_00132	XM_01151	.	.	NP_001316	XP_011518	protein_co	ENSG0000	144100	27049
PLEKHA8	6.52141	6.53886	6.86608	5.57519	7.79294	8.11048	pleckstrin homology domain containing A8 [Source:HGNC Symbo	chr7:30067	NM_00119	XM_01151	.	.	NP_001183	XP_005249	protein_co	ENSG0000	84725	30037
PLEKHB1	9.9422	8.84996	23.0246	11.2855	9.41282	11.9922	pleckstrin homology domain containing B1 [Source:HGNC Symbol	chr11:7335	NM_00113	XM_01154	.	.	NP_001123	XP_011543	protein_co	ENSG0000	58473	19079

PLEKHB2	62.6038	63.5312	63.3251	67.6684	72.4366	65.4282	pleckstrin homology domain containing B2 [Source:HGNC Symbol	chr2:13186	NM_00110	XM_01151	.	.	NP_00109	XP_01150	protein_co	ENSG0000	55041	19236
PLEKHD1	0.654494	0.505882	0.964597	0.714966	0.584191	0.79776	pleckstrin homology and coiled-coil domain containing D1 [Sourc	chr14:6995	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	400224	20148
PLEKHF1	3.74849	5.99839	6.16571	4.50338	4.28567	3.42866	pleckstrin homology and FYVE domain containing 1 [Source:HGN	chr19:3015	NM_02431	XM_01152	.	.	NP_07728	XP_00672	protein_co	ENSG0000	79156	20764
PLEKHF2	12.8048	11.642	11.3826	12.6268	15.5966	14.192	pleckstrin homology and FYVE domain containing 2 [Source:HGN	chr8:96146	NM_02461	.	.	.	NP_07888	.	protein_co	ENSG0000	79666	20757
PLEKHG1	2.03032	2.4571	2.27972	2.2054	2.20228	2.50322	pleckstrin homology and RhoGEF domain containing G1 [Source:H	chr6:15104	NM_00102	XM_01153	.	.	NP_00102	XP_00526	protein_co	ENSG0000	57480	20884
PLEKHG2	4.23895	3.62856	4.03737	3.31112	4.15197	3.60651	pleckstrin homology and RhoGEF domain containing G2 [Source:H	chr19:3990	NM_02283	XM_01152	.	.	NP_07374	XP_00525	protein_co	ENSG0000	64857	29515
PLEKHG3	11.915	12.1764	12.3556	13.0566	13.0924	11.2259	pleckstrin homology and RhoGEF domain containing G3 [Source:H	chr14:6517	NM_00130	XM_01153	.	.	NP_00129	XP_00526	protein_co	ENSG0000	26030	20364
PLEKHG4	14.5663	14.7043	14.0357	9.6319	8.77452	5.49766	pleckstrin homology and RhoGEF domain containing G4 [Source:H	chr16:6731	NM_00112	XM_01152	.	.	NP_00112	XP_01152	protein_co	ENSG0000	25894	24501
PLEKHG4B	0.017564	0.017598	0.04236	0.006337	0.020227	0.012659	pleckstrin homology and RhoGEF domain containing G4B [Source	chr5:92265	NM_05290	XM_01151	.	.	NP_44314	XP_00671	protein_co	ENSG0000	153478	29399
PLEKHG5	8.34975	9.62522	14.7614	7.95558	7.76142	9.19998	pleckstrin homology and RhoGEF domain containing G5 [Source:H	chr1:65212	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	57449	29105
PLEKHG6	6.55822	7.14221	7.66581	8.51989	7.98213	6.3636	pleckstrin homology and RhoGEF domain containing G6 [Source:H	chr12:6419	NM_00114	XM_01152	.	.	NP_00113	XP_00525	protein_co	ENSG0000	55200	25562
PLEKHG7	0	0	0	0.025192	0	0	pleckstrin homology and RhoGEF domain containing G7 [Source:H	chr12:9311	NM_00100	XM_01153	.	.	NP_00100	.	protein_co	ENSG0000	440107	33829
PLEKHH1	4.68381	5.19034	6.16425	2.92851	3.28335	4.53638	pleckstrin homology, MyTH4 and FERM domain containing H1 [Sc	chr14:6800	NM_02071	XM_01702	.	.	NP_06576	XP_01153	protein_co	ENSG0000	57475	17733
PLEKHH2	1.66549	1.53285	2.46127	1.42864	1.92226	2.44998	pleckstrin homology, MyTH4 and FERM domain containing H2 [Sc	chr2:43864	NM_17206	XM_01700	.	XR_001738	NP_74206	XP_01685	protein_co	ENSG0000	130271	30506
PLEKHH3	18.3097	19.1085	17.7709	16.8821	14.5548	23.7668	pleckstrin homology, MyTH4 and FERM domain containing H3 [Sc	chr17:4081	NM_02492	XM_01702	NR_07357	.	NP_07920	XP_01688	protein_co	ENSG0000	79990	26105
PLEKHJ1	72.3778	64.4678	61.5732	69.8261	57.3702	47.3161	pleckstrin homology domain containing J1 [Source:HGNC Symbol	chr19:2164	NM_00130	XM_00525	NR_10684	.	NP_00128	XP_01688	protein_co	ENSG0000	102466736	18211
PLEKHM1	5.62813	6.47051	6.22154	5.13344	4.78517	4.51235	pleckstrin homology and RUN domain containing M1 [Source:HGI	chr17:4351	NM_01479	XM_01702	NR_03619	.	NP_05561	XP_00672	protein_co	ENSG0000	100423004	29017
PLEKHM2	17.7114	18.9223	17.737	17.9939	17.3951	14.28	pleckstrin homology and RUN domain containing M2 [Source:HGI	chr1:16010	NM_01516	XM_01700	.	.	NP_05597	XP_00524	protein_co	ENSG0000	23207	29131
PLEKHM3	1.85888	1.61281	2.2741	1.00162	1.33147	1.72706	pleckstrin homology domain containing M3 [Source:HGNC Symbo	chr2:20868	NM_00108	XM_01151	.	.	NP_00107	XP_01150	protein_co	ENSG0000	389072	34006
PLEKHN1	3.90941	3.58339	3.82765	2.13933	2.14775	1.42059	pleckstrin homology domain containing N1 [Source:HGNC Symbo	chr1:90187	NM_00116	XM_01154	.	.	NP_00115	XP_00671	protein_co	ENSG0000	84069	25284
PLEKHO1	3.42572	3.13776	3.46714	5.97991	4.61293	3.88324	pleckstrin homology domain containing O1 [Source:HGNC Symbo	chr1:15012	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	51177	24310
PLEKHO2	5.87408	5.21917	6.03388	6.46797	5.8517	5.43724	pleckstrin homology domain containing O2 [Source:HGNC Symbo	chr15:6513	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	80301	30026
PLEKHS1	0.061675	0.040031	0.0793	0	0.034628	0	pleckstrin homology domain containing S1 [Source:HGNC Symbol	chr10:1155	NM_00119	XM_01154	.	.	NP_00118	XP_00527	protein_co	ENSG0000	79949	26285
PLET1	0	0	0	0	0	0	placenta expressed transcript 1 [Source:HGNC Symbol;Acc:HGNC	chr11:1121	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	349633	30053
PLG	0.023216	0	0	0	0	0	plasminogen [Source:HGNC Symbol;Acc:HGNC:9071]	chr6:16112	NM_00030	.	.	.	NP_00029	.	protein_co	ENSG0000	5340	9071
PLGLB1	0.224368	0.160631	0.27293	0	0	0.15526	plasminogen-like B1 [Source:HGNC Symbol;Acc:HGNC:9072]	chr2:87135	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	5343	9072
PLGLB2	0.146658	0.078635	0	0	0	0	plasminogen-like B2 [Source:HGNC Symbol;Acc:HGNC:9073]	chr2:88047	NM_00266	.	.	.	NP_00265	.	protein_co	ENSG0000	5342	9073
PLGRKT	19.8119	21.4711	19.4787	26.1643	20.0159	31.626	plasminogen receptor with a C-terminal lysine [Source:HGNC Sym	chr9:53579	NM_01846	XM_01151	.	.	NP_06093	XP_00525	protein_co	ENSG0000	55848	23633
PLIN1	0.063516	0.094863	0.027201	0.137243	0.110033	0.068832	perilipin 1 [Source:HGNC Symbol;Acc:HGNC:9076]	chr15:9020	NM_00114	XM_00525	.	.	NP_00113	XP_00525	protein_co	ENSG0000	5346	9076
PLIN2	14.1981	13.9812	14.8248	18.0268	14.3717	12.8575	perilipin 2 [Source:HGNC Symbol;Acc:HGNC:248]	chr9:19115	NM_00112	XM_00671	.	.	NP_00111	XP_01686	protein_co	ENSG0000	123	248
PLIN3	91.6619	94.4247	102.604	101.072	89.229	89.1165	perilipin 3 [Source:HGNC Symbol;Acc:HGNC:16893]	chr19:4838	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	10226	16893
PLIN4	0.469463	0.399186	0.520256	0.63344	0.378882	0.481609	perilipin 4 [Source:HGNC Symbol;Acc:HGNC:29393]	chr19:4472	NM_00108	XM_01152	.	.	NP_00107	XP_00672	protein_co	ENSG0000	729359	29393
PLIN5	1.90644	1.98645	2.74696	1.74229	1.19864	1.39403	perilipin 5 [Source:HGNC Symbol;Acc:HGNC:33196]	chr19:4522	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	440503	33196
PLK1	59.3843	62.4064	48.3206	114.844	99.8122	62.0878	polo like kinase 1 [Source:HGNC Symbol;Acc:HGNC:9077]	chr16:2369	NM_00503	.	.	.	NP_00502	.	protein_co	ENSG0000	5347	9077
PLK2	38.9781	39.6848	50.6917	40.849	47.7848	42.1184	polo like kinase 2 [Source:HGNC Symbol;Acc:HGNC:19699]	chr5:57749	NM_00125	.	.	.	NP_00123	.	protein_co	ENSG0000	10769	19699
PLK3	21.1442	19.5996	30.5785	20.0247	15.6792	17.1083	polo like kinase 3 [Source:HGNC Symbol;Acc:HGNC:2154]	chr1:45265	NM_00407	.	.	.	NP_00406	.	protein_co	ENSG0000	1263	2154
PLK4	12.553	12.3071	11.8099	11.0145	14.3583	13.6117	polo like kinase 4 [Source:HGNC Symbol;Acc:HGNC:11397]	chr4:12880	NM_00119	XM_00526	.	.	NP_00117	XP_00526	protein_co	ENSG0000	10733	11397
PLK5	0	0.096797	0.042585	0	0	0	polo like kinase 5 [Source:HGNC Symbol;Acc:HGNC:27001]	chr19:1524	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	126520	27001
PLLP	5.00502	5.20053	5.58544	5.28106	4.86703	4.92831	plasmolipin [Source:HGNC Symbol;Acc:HGNC:18553]	chr16:5727	NM_01599	.	.	.	NP_05707	.	protein_co	ENSG0000	51090	18553
PLN	0	0	0	0	0	0	phospholamban [Source:HGNC Symbol;Acc:HGNC:9080]	chr6:11878	NM_00266	.	.	.	NP_00265	.	protein_co	ENSG0000	5350	9080
PLOD1	74.5419	78.1522	61.3765	97.9719	90.549	73.9597	procollagen-lysine,2-oxoglutarate 5-dioxygenase 1 [Source:HGNC	chr1:11994	NM_00030	XM_01154	.	.	NP_00029	.	protein_co	ENSG0000	5351	9081
PLOD2	7.40273	8.97409	12.3119	7.55359	9.00274	13.2118	procollagen-lysine,2-oxoglutarate 5-dioxygenase 2 [Source:HGNC	chr3:14578	NM_00093	XM_00524	.	.	NP_00092	XP_00524	protein_co	ENSG0000	5352	9082
PLOD3	24.3354	26.8324	22.023	25.2957	22.6765	18.0868	procollagen-lysine,2-oxoglutarate 5-dioxygenase 3 [Source:HGNC	chr7:10084	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	8985	9083
PLP1	0	0	0	0.131328	0	0.085549	proteolipid protein 1 [Source:HGNC Symbol;Acc:HGNC:9086]	chrX:10303	NM_00053	.	.	.	NP_00052	.	protein_co	ENSG0000	5354	9086
PLP2	195.904	199.215	128.714	202.092	163.315	179.637	proteolipid protein 2 [Source:HGNC Symbol;Acc:HGNC:9087]	chrX:49028	NM_00266	.	.	.	NP_00265	.	protein_co	ENSG0000	5355	9087
PLPP1	8.82787	7.17579	9.11103	6.15746	5.91385	9.5227	phospholipid phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:92	chr5:54603	NM_00371	.	.	.	NP_00370	.	protein_co	ENSG0000	8611	9228
PLPP2	104.68	98.4769	93.5767	105.837	93.3082	76.6002	phospholipid phosphatase 2 [Source:HGNC Symbol;Acc:HGNC:92	chr19:2810	NM_00371	XM_01152	.	.	NP_00370	XP_01152	protein_co	ENSG0000	8612	9230
PLPP3	3.57194	3.66682	3.75785	2.13636	2.10479	2.42653	phospholipid phosphatase 3 [Source:HGNC Symbol;Acc:HGNC:92	chr1:56960	NM_00371	.	.	.	NP_00370	.	protein_co	ENSG0000	8613	9229
PLPP4	0	0	0	0	0	0	phospholipid phosphatase 4 [Source:HGNC Symbol;Acc:HGNC:23	chr10:1222	NM_00103	XM_01153	.	.	NP_00102	XP_00526	protein_co	ENSG0000	196051	23531
PLPP5	18.391	21.0955	14.1604	15.8387	14.4823	12.9011	phospholipid phosphatase 5 [Source:HGNC Symbol;Acc:HGNC:25	chr8:38120	NM_00110	XM_01154	.	.	NP_00109	XP_00527	protein_co	ENSG0000	84513	25026
PLPP6	5.21607	4.64306	4.28174	3.44526	4.73621	4.53027	phospholipid phosphatase 6 [Source:HGNC Symbol;Acc:HGNC:23	chr9:46005	NM_20345	.	.	.	NP_98227	.	protein_co	ENSG0000	403313	23682
PLPP7	0.098701	0.096279	0.041921	0.216073	0.413975	0.275513	phospholipid phosphatase 7 (inactive) [Source:HGNC Symbol;Acc	chr9:13416	NM_03272	XM_00527	.	.	NP_11611	XP_00527	protein_co	ENSG0000	84814	28174
PLPPR1	0	0	0	0	0	0	phospholipid phosphatase related 1 [Source:HGNC Symbol;Acc:H	chr9:10379	NM_01775	.	.	.	NP_06022	.	protein_co	ENSG0000	54886	25993
PLPPR2	12.8999	14.198	14.4058	13.0571	12.5809	11.2768	phospholipid phosphatase related 2 [Source:HGNC Symbol;Acc:H	chr19:1146	NM_00117	XM_00526	.	.	NP_00116	XP_00526	protein_co	ENSG0000	64748	29566
PLPPR3	0	0	0.043536	0	0	0.120048	phospholipid phosphatase related 3 [Source:HGNC Symbol;Acc:H	chr19:8124	NM_00127	XM_01152	.	.	NP_00125	XP_01152	protein_co	ENSG0000	79948	23497
PLPPR4	0.171345	0.27876	0.354097	0.126218	0.154947	0.182983	phospholipid phosphatase related 4 [Source:HGNC Symbol;Acc:H	chr1:99729	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	9890	23496
PLPPR5	0	0	0	0	0	0	phospholipid phosphatase related 5 [Source:HGNC Symbol;Acc:H	chr1:99355	NM_00101	XM_01154	.	.	NP_00101	XP_01153	protein_co	ENSG0000	163404	31703
PLRG1	58.4588	55.3804	47.8236	55.8305	58.7012	71.9212	pleiotropic regulator 1 [Source:HGNC Symbol;Acc:HGNC:9089]	chr4:15545	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	5356	9089
PLS1	15.4809	15.3255	17.5427	16.4999	18.5063	22.8661	plastin 1 [Source:HGNC Symbol;Acc:HGNC:9090]	chr3:14231	NM_00114	XM_01700	.	.	NP_00113	XP_00671	protein_co	ENSG0000	5357	9090

PLS3	38.544	38.4041	33.675	39.287	42.2414	43.8273	plastin 3 [Source:HGNC Symbol;Acc:HGNC:9091]	chrX:11479	NM_00113	XM_01153	.	.	NP_00112	XP_011535	protein_co	ENSG0000	5358	9091
PLSCR1	24.5647	24.2484	19.3444	19.1713	22.2155	21.7741	phospholipid scramblase 1 [Source:HGNC Symbol;Acc:HGNC:9092	chr3:14623	NM_02110	XM_01151	.	.	NP_06692	XP_005247	protein_co	ENSG0000	5359	9092
PLSCR2	0	0	0	0	0	0	phospholipid scramblase 2 [Source:HGNC Symbol;Acc:HGNC:164	chr3:14615	NM_00119	XM_01151	.	.	NP_00118	XP_011511	protein_co	ENSG0000	57047	16494
PLSCR4	1.30746	1.78167	1.37384	0.724251	0.904294	1.11416	phospholipid scramblase 4 [Source:HGNC Symbol;Acc:HGNC:164	chr3:14591	NM_00112	XM_01700	.	.	NP_00112	XP_005247	protein_co	ENSG0000	57088	16497
PLSCR5	0	0.089614	0.073211	0	0	0	phospholipid scramblase family member 5 [Source:HGNC Symbol	chr3:14629	NM_00108	XM_00524	.	.	NP_00107	XP_005247	protein_co	ENSG0000	389158	19952
PLTP	2.815	3.11431	2.48624	2.80355	1.36965	3.53532	phospholipid transfer protein [Source:HGNC Symbol;Acc:HGNC:9	chr20:4451	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	5360	9093
PLVAP	0.027166	0	0.023431	0.028966	0	0	plasmalemma vesicle associated protein [Source:HGNC Symbol;A	chr19:1746	NM_03131	.	.	.	NP_11260	.	protein_co	ENSG0000	83483	13635
PLXDC1	0.62547	0.613228	0.860763	0.455771	0.301584	0.538872	plexin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:209	chr17:3721	NM_0204	.	.	.	NP_06513	.	protein_co	ENSG0000	57125	20945
PLXDC2	0	0	0	0	0	0	plexin domain containing 2 [Source:HGNC Symbol;Acc:HGNC:210	chr10:2010	NM_00128	XM_01151	.	.	NP_00126	XP_011518	protein_co	ENSG0000	84898	21013
PLXNA1	12.8728	13.084	13.4116	15.8375	15.5295	13.1117	plexin A1 [Source:HGNC Symbol;Acc:HGNC:9099]	chr3:1267	NM_03224	XM_01151	.	.	NP_11561	XP_011511	protein_co	ENSG0000	5361	9099
PLXNA2	0.265891	0.169053	0.240796	0.526602	0.460197	0.487481	plexin A2 [Source:HGNC Symbol;Acc:HGNC:9100]	chr1:20819	NM_02517	XM_00671	.	.	NP_07945	XP_005273	protein_co	ENSG0000	5362	9100
PLXNA3	5.23771	5.39434	7.39135	3.57848	4.04512	4.49952	plexin A3 [Source:HGNC Symbol;Acc:HGNC:9101]	chrX:15368	NM_01751	XM_01153	.	.	NP_05998	XP_005274	protein_co	ENSG0000	55558	9101
PLXNA4	0.005174	0	0	0.051069	0	0	plexin A4 [Source:HGNC Symbol;Acc:HGNC:9102]	chr7:1318	NM_00110	XM_00671	.	.	NP_00109	XP_005250	protein_co	ENSG0000	91584	9102
PLXNB1	6.34161	5.46674	7.58952	4.30883	3.96192	4.08652	plexin B1 [Source:HGNC Symbol;Acc:HGNC:9103]	chr3:48445	NM_00113	XM_01700	.	.	NP_00112	XP_011532	protein_co	ENSG0000	5364	9103
PLXNB2	62.4702	61.9318	66.7705	59.7088	56.1004	55.8018	plexin B2 [Source:HGNC Symbol;Acc:HGNC:9104]	chr22:5071	NM_01240	XM_01702	.	.	NP_03653	XP_005261	protein_co	ENSG0000	23654	9104
PLXNB3	0.937281	1.13183	1.61576	0.788167	0.515531	0.641657	plexin B3 [Source:HGNC Symbol;Acc:HGNC:9105]	chrX:15302	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	5365	9105
PLXNC1	0.082208	0.219282	0.222427	0.069339	0.023589	0.173432	plexin C1 [Source:HGNC Symbol;Acc:HGNC:9106]	chr12:9454	NM_00576	XM_00671	.	.	NP_00575	XP_006719	protein_co	ENSG0000	10154	9106
PLXND1	6.20098	8.04285	8.13564	10.3055	6.74403	8.34743	plexin D1 [Source:HGNC Symbol;Acc:HGNC:9107]	chr3:12927	NM_01510	XM_01151	.	.	NP_05591	XP_011510	protein_co	ENSG0000	23129	9107
PM20D1	0.034738	0	0	0	0	0	peptidase M20 domain containing 1 [Source:HGNC Symbol;Acc:H	chr1:20579	NM_15249	.	NR_13518	.	NP_68970	XP_016855	protein_co	ENSG0000	148811	26518
PM20D2	16.7742	18.7785	18.3339	19.8407	21.0731	20.9798	peptidase M20 domain containing 2 [Source:HGNC Symbol;Acc:H	chr6:89855	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	135293	21408
PMAIP1	58.9353	61.7214	38.5759	54.7356	52.0354	70.2829	phorbol-12-myristate-13-acetate-induced protein 1 [Source:HGN	chr18:5756	NM_02112	.	.	.	NP_06695	.	protein_co	ENSG0000	5366	9108
PMCH	0	0	0	0	0	0.1109	pro-melanin concentrating hormone [Source:HGNC Symbol;Acc:H	chr12:1025	NM_00267	.	.	.	NP_00266	XP_016874	protein_co	ENSG0000	5367	9109
PMEL	1.84645	1.95029	2.77799	3.71318	2.4748	3.10671	premelanosome protein [Source:HGNC Symbol;Acc:HGNC:10880]	chr12:5634	NM_00120	XM_01153	.	.	NP_00118	XP_006719	protein_co	ENSG0000	6490	10880
PMEPA1	0.348144	0.357513	0.411595	0.751573	0.635404	1.03309	prostate transmembrane protein, androgen induced 1 [Source:H	chr20:5622	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	56937	14107
PMF1	33.6206	30.4706	22.6599	24.4064	21.1452	17.5119	polyamine-modulated factor 1 [Source:HGNC Symbol;Acc:HGNC:	chr1:15618	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	11243	9112
PMF1-BGLAP	1.69291	3.08402	2.40984	1.07384	0.893617	0.90964	PMF1-BGLAP readthrough [Source:HGNC Symbol;Acc:HGNC:4295	chr1:15618	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100527963	42953
PMFBP1	0.664022	0.712218	1.04828	0.398105	0.677688	0.439358	polyamine modulated factor 1 binding protein 1 [Source:HGNC S	chr16:7211	NM_00116	XM_01152	.	.	NP_00115	XP_011521	protein_co	ENSG0000	83449	17728
PML	10.2441	11.8356	10.8271	10.7555	8.3664	8.34115	promyelocytic leukemia [Source:HGNC Symbol;Acc:HGNC:9113]	chr15:7428	NM_00267	.	.	.	NP_00266	.	protein_co	ENSG0000	5371	9113
PMM1	18.0949	19.1292	18.3325	18.9534	15.0912	19.957	phosphomannomutase 1 [Source:HGNC Symbol;Acc:HGNC:9114]	chr22:4197	NM_00267	XM_01153	.	.	NP_00266	XP_005261	protein_co	ENSG0000	5372	9114
PMM2	32.624	32.4855	30.4453	32.7987	27.8226	21.4446	phosphomannomutase 2 [Source:HGNC Symbol;Acc:HGNC:9115]	chr16:8882	NM_00030	XM_00525	.	.	NP_00029	XP_005255	protein_co	ENSG0000	5373	9115
PMP2	0	0	0	0	0	0	peripheral myelin protein 2 [Source:HGNC Symbol;Acc:HGNC:911	chr8:82352	NM_00267	.	.	.	NP_00266	.	protein_co	ENSG0000	5375	9117
PMP22	34.2525	32.2164	24.4813	28.0516	26.7442	25.557	peripheral myelin protein 22 [Source:HGNC Symbol;Acc:HGNC:91	chr17:1513	NM_00030	XM_01152	.	.	NP_00029	XP_011522	protein_co	ENSG0000	5376	9118
PMPCA	47.7059	49.6732	60.0538	61.28	54.0167	44.7962	peptidase, mitochondrial processing alpha subunit [Source:HGNC	chr9:13929	NM_00128	XM_00526	.	.	NP_00126	XP_005266	protein_co	ENSG0000	23203	18667
PMPCB	46.0867	43.273	48.3876	42.2634	44.1787	45.6378	peptidase, mitochondrial processing beta subunit [Source:HGNC	chr7:10293	NM_00427	XM_00671	.	.	NP_00427	XP_005250	protein_co	ENSG0000	9512	9119
PMS1	11.1828	9.54852	13.958	9.55943	12.7466	14.0582	PMS1 homolog 1, mismatch repair system component [Source:H	chr2:19063	NM_00053	XM_01700	.	.	NP_00052	XP_005246	protein_co	ENSG0000	5378	9121
PMS2	16.1132	16.717	13.2917	16.628	14.2858	13.6404	PMS1 homolog 2, mismatch repair system component [Source:H	chr7:60128	NM_00053	XM_01151	.	.	NP_00052	XP_011513	protein_co	ENSG0000	107984056	9122
PMVK	20.8039	20.9793	17.4846	24.6859	21.4676	19.8235	phosphomevalonate kinase [Source:HGNC Symbol;Acc:HGNC:914	chr1:15489	NM_00655	.	.	.	NP_00654	.	protein_co	ENSG0000	10654	9141
PNCK	0	0.146861	0.229019	0	0.119036	0	pregnancy up-regulated nonubiquitous CaM kinase [Source:HGN	chrX:15293	NM_00103	XM_01702	.	.	NP_00103	XP_005274	protein_co	ENSG0000	139728	13415
PNISR	31.954	29.8617	34.2508	20.2647	21.4068	20.3641	PNN interacting serine and arginine rich protein [Source:HGNC S	chr6:99845	NM_00132	XM_00526	.	.	NP_00130	XP_005266	protein_co	ENSG0000	25957	21222
PNKD	49.2899	46.5521	50.0431	61.3682	44.1828	39	paroxysmal nonkinesigenic dyskinesia [Source:HGNC Symbol;Acc:	chr2:21913	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	25953	9153
PNKP	18.6685	16.5765	17.1025	15.3708	11.658	14.7627	polynucleotide kinase 3'-phosphatase [Source:HGNC Symbol;Acc:	chr19:5036	NM_00725	.	.	.	NP_00918	.	protein_co	ENSG0000	11284	9154
PNLDC1	0.357495	0.082282	0.103673	0.132824	0.133755	0.081343	PARN like, ribonuclease domain containing 1 [Source:HGNC Symb	chr6:16022	NM_00127	XM_01153	.	.	NP_00125	XP_011533	protein_co	ENSG0000	154197	21185
PNLIP	0	0	0	0	0	0	pancreatic lipase [Source:HGNC Symbol;Acc:HGNC:9155]	chr10:1183	NM_00093	.	.	.	NP_00092	.	protein_co	ENSG0000	5406	9155
PNLIPRP1	0	0	0	0	0	0	pancreatic lipase related protein 1 [Source:HGNC Symbol;Acc:HG	chr10:1183	NM_00130	XM_01153	.	.	NP_00129	XP_011538	protein_co	ENSG0000	5407	9156
PNLIPRP3	0	0	0	0	0	0	pancreatic lipase related protein 3 [Source:HGNC Symbol;Acc:HG	chr10:1181	NM_00101	XM_01153	.	.	NP_00101	XP_011537	protein_co	ENSG0000	119548	23492
PNMA1	19.6482	18.2511	18.2035	25.4083	23.506	21.6105	paraneoplastic Ma antigen 1 [Source:HGNC Symbol;Acc:HGNC:91	chr14:7417	NM_00602	.	.	.	NP_00602	.	protein_co	ENSG0000	9240	9158
PNMA2	0.440403	0.39296	0.587929	0.228179	0.335885	0.160363	paraneoplastic Ma antigen 2 [Source:HGNC Symbol;Acc:HGNC:91	chr8:26362	NM_00725	XM_01154	.	.	NP_00918	XP_011542	protein_co	ENSG0000	10687	9159
PNMA3	0.048301	0.017211	0.084798	0.052761	0	0	paraneoplastic Ma antigen 3 [Source:HGNC Symbol;Acc:HGNC:18	chrX:15222	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	29944	18742
PNMA5	0	0	0	0	0	0	paraneoplastic Ma antigen family member 5 [Source:HGNC Symb	chrX:15215	NM_00110	XM_01702	.	.	NP_00109	XP_016884	protein_co	ENSG0000	114824	18743
PNMA6A	0	0	0	0	0	0	paraneoplastic Ma antigen family member 6A [Source:HGNC Sym	chrX:15224	NM_03288	.	.	.	NP_11627	.	protein_co	ENSG0000	84968	28248
PNMA6B	0	0	0	0	0	0	paraneoplastic Ma antigen family member 6B (pseudogene) [Sou	chrX:15234	.	.	.	.	.	.	unprocesse	ENSG0000	.	26681
PNMA6D	0	0	0	0	0	0	paraneoplastic Ma antigen family member 6D (pseudogene) [Sou	chrX:15224	.	.	.	.	.	.	protein_co	ENSG0000	100287428	41924
PNMAL1	0	0	0	0.020597	0	0	paraneoplastic Ma antigen family like 1 [Source:HGNC Symbol;Ac	chr19:4696	NM_00110	XM_01152	.	.	NP_00109	XP_011525	protein_co	ENSG0000	55228	25578
PNMAL2	0.014825	0	0	0	0	0	paraneoplastic Ma antigen family like 2 [Source:HGNC Symbol;Ac	chr19:4699	NM_0207	.	.	.	NP_06576	.	protein_co	ENSG0000	57469	29206
PNMT	0	0	0	0	0	0	phenylethanolamine N-methyltransferase [Source:HGNC Symbol;	chr17:3782	NM_00268	XM_01152	.	.	NP_00267	XP_011523	protein_co	ENSG0000	5409	9160
PNN	87.1246	86.7293	71.2273	69.5326	79.2134	60.4057	pinin, desmosome associated protein [Source:HGNC Symbol;Acc:	chr14:3964	NM_00268	.	.	.	NP_00267	.	protein_co	ENSG0000	5411	9162
PNO1	32.108	30.6956	30.5537	35.7969	37.2565	24.1954	partner of NOB1 homolog [Source:HGNC Symbol;Acc:HGNC:3279	chr2:68384	NM_02014	.	.	.	NP_06452	.	protein_co	ENSG0000	56902	32790
PNOC	0	0	0	0	0	0	prepronociceptin [Source:HGNC Symbol;Acc:HGNC:9163]	chr8:28174	NM_00128	XM_00527	.	.	NP_00127	XP_005273	protein_co	ENSG0000	5368	9163
PNP	104.885	100.853	76.3414	141.294	114.605	87.1766	purine nucleoside phosphorylase [Source:HGNC Symbol;Acc:HGN	chr14:2093	NM_00027	.	.	.	NP_00026	.	protein_co	ENSG0000	4860	7892

PNPLA1	0.052534	0	0.050813	0	0.06722	0	patatin like phospholipase domain containing 1 [Source:HGNC Sy	chr6:36210	NM_00114	XM_01151	.	.	NP_00113	XP_011512	protein_co	ENSG0000	285848	21246
PNPLA2	33.0337	37.021	39.0517	28.6797	25.597	29.1118	patatin like phospholipase domain containing 2 [Source:HGNC Sy	chr11:8189	NM_02037	XM_00671	.	.	NP_06510	XP_006718	protein_co	ENSG0000	57104	30802
PNPLA3	1.99494	2.4882	3.13856	2.94436	2.78294	2.79599	patatin like phospholipase domain containing 3 [Source:HGNC Sy	chr22:4431	NM_02522	.	.	.	NP_07950	.	protein_co	ENSG0000	80339	18590
PNPLA4	4.88959	5.10079	5.71228	6.24924	4.74292	4.87331	patatin like phospholipase domain containing 4 [Source:HGNC Sy	chrX:78662	NM_00114	XM_01154	.	.	NP_00113	XP_011543	protein_co	ENSG0000	8228	24887
PNPLA5	1.50193	1.30266	1.57403	2.14877	1.76962	0.80841	patatin like phospholipase domain containing 5 [Source:HGNC Sy	chr22:4427	NM_00117	.	.	.	NP_00117	.	protein_co	ENSG0000	150379	24888
PNPLA6	22.956	24.2412	24.2533	22.8959	20.7372	21.5835	patatin like phospholipase domain containing 6 [Source:HGNC Sy	chr19:7587	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	10908	16268
PNPLA7	0.120459	0.207466	0.336461	0.121874	0.221581	0.163735	patatin like phospholipase domain containing 7 [Source:HGNC Sy	chr9:14035	NM_00109	XM_01701	.	.	NP_00109	XP_006717	protein_co	ENSG0000	375775	24768
PNPLA8	5.96357	6.06953	6.61083	4.64671	5.10518	10.1271	patatin like phospholipase domain containing 8 [Source:HGNC Sy	chr7:10811	NM_00125	XM_01151	.	.	NP_00124	XP_005250	protein_co	ENSG0000	50640	28900
PNPO	43.6025	43.7475	39.6071	46.4875	48.4368	30.2812	pyridoxamine 5'-phosphate oxidase [Source:HGNC Symbol;Acc:H	chr17:4601	NM_01812	XM_00525	.	.	NP_06059	XP_005257	protein_co	ENSG0000	55163	30260
PNPT1	16.9009	9.99656	12.6404	25.2023	15.9341	11.9978	polyribonucleotide nucleotidyltransferase 1 [Source:HGNC Symb	chr2:55861	NM_03310	XM_01700	.	.	NP_14910	XP_005264	protein_co	ENSG0000	87178	23166
PNRC1	20.3453	21.9691	22.6959	15.0417	14.465	27.2959	proline rich nuclear receptor coactivator 1 [Source:HGNC Symbol	chr6:89790	NM_00681	.	.	.	NP_00680	.	protein_co	ENSG0000	10957	17278
PNRC2	45.4689	44.316	45.7111	46.6425	54.2519	58.8496	proline rich nuclear receptor coactivator 2 [Source:HGNC Symbol	chr1:24286	NM_01776	XM_01700	.	.	NP_06023	XP_016857	protein_co	ENSG0000	55629	23158
POC1A	12.9062	13.7192	12.7623	22.4025	17.4686	16.3856	POC1 centriolar protein A [Source:HGNC Symbol;Acc:HGNC:2448	chr3:52109	NM_00116	XM_01153	.	.	NP_00115	XP_011531	protein_co	ENSG0000	25886	24488
POC1B	6.93378	6.15252	8.58407	5.9584	7.77871	10.1659	POC1 centriolar protein B [Source:HGNC Symbol;Acc:HGNC:3083	chr12:8981	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	282809	30836
POC1B-GALNT4	2.07422	1.17578	1.56243	1.88619	1.36175	1.19598	POC1B-GALNT4 readthrough [Source:HGNC Symbol;Acc:HGNC:42	chr12:8981	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	10052803	42957
POC5	7.9248	7.09794	7.18422	7.81723	8.72027	8.27033	POC5 centriolar protein [Source:HGNC Symbol;Acc:HGNC:26658]	chr5:74969	NM_00109	XM_01154	.	.	NP_00109	XP_005248	protein_co	ENSG0000	134359	26658
PODN	0	0	0	0	0	0	podocan [Source:HGNC Symbol;Acc:HGNC:23174]	chr1:53527	NM_00119	XM_00527	.	.	NP_00118	XP_005270	protein_co	ENSG0000	127435	23174
PODNL1	0.058278	0.241178	0.141817	0.24718	0.236213	0.260244	podocan like 1 [Source:HGNC Symbol;Acc:HGNC:26275]	chr19:1404	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	79883	26275
PODXL	12.6423	14.2801	13.4632	13.8441	14.2216	11.766	podocalyxin like [Source:HGNC Symbol;Acc:HGNC:9171]	chr7:13118	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	5420	9171
PODXL2	3.41504	3.60726	3.73351	3.75159	2.2323	2.3769	podocalyxin like 2 [Source:HGNC Symbol;Acc:HGNC:17936]	chr3:12734	NM_01572	.	.	.	NP_05653	.	protein_co	ENSG0000	50512	17936
POF1B	0.094111	0.205624	0.082292	0	0.034931	0	premature ovarian failure, 1B [Source:HGNC Symbol;Acc:HGNC:1	chrX:84532	NM_00130	XM_00526	.	.	NP_00129	XP_005262	protein_co	ENSG0000	79983	13711
POFUT1	22.4207	23.0424	19.2414	22.4312	24.5113	18.0149	protein O-fucosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:	chr20:3079	NM_01535	.	NR_03172	.	NP_05616	.	protein_co	ENSG0000	10030218	14988
POFUT2	8.35443	8.78768	8.46242	7.937	7.27084	6.72926	protein O-fucosyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:	chr21:4668	NM_01522	XM_01152	.	.	NP_05604	XP_006724	protein_co	ENSG0000	23275	14683
POGK	17.5789	17.2214	15.2182	16.2846	18.4395	14.9647	pogo transposable element with KRAB domain [Source:HGNC Syn	chr1:16680	NM_00131	XM_01700	.	.	NP_00130	XP_005245	protein_co	ENSG0000	57645	18800
POGLUT1	7.14759	6.56646	7.05672	5.46584	7.29024	6.67378	protein O-glucosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC	chr3:11918	NM_15230	.	.	.	NP_68951	.	protein_co	ENSG0000	56983	22954
POGZ	16.5643	16.5032	16.2749	15.7235	15.5607	20.7303	pogo transposable element with ZNF domain [Source:HGNC Symb	chr1:15137	NM_00119	XM_01700	.	.	NP_00118	XP_005245	protein_co	ENSG0000	23126	18801
POLA1	10.3001	10.1772	9.06436	9.80207	11.9108	10.192	DNA polymerase alpha 1, catalytic subunit [Source:HGNC Symbol	chrX:24712	NM_01693	XM_01154	.	.	NP_05863	XP_005274	protein_co	ENSG0000	5422	9173
POLA2	11.4125	10.6919	9.70469	9.65371	8.77964	6.82661	DNA polymerase alpha 2, accessory subunit [Source:HGNC Symbo	chr11:6502	NM_00268	XM_01154	.	.	NP_00268	XP_011543	protein_co	ENSG0000	23649	30073
POLB	20.1076	16.5937	19.5558	23.3001	24.1272	22.1304	DNA polymerase beta [Source:HGNC Symbol;Acc:HGNC:9174]	chr8:42195	NM_00269	XM_00527	.	.	NP_00268	XP_005273	protein_co	ENSG0000	5423	9174
POLD1	27.4654	29.892	22.1569	26.4147	24.1618	18.9825	DNA polymerase delta 1, catalytic subunit [Source:HGNC Symbol;	chr19:5088	NM_00125	XM_01702	.	.	NP_00124	XP_005259	protein_co	ENSG0000	5424	9175
POLD2	116.954	117.129	106.283	160.576	134.15	107.514	DNA polymerase delta 2, accessory subunit [Source:HGNC Symbo	chr7:44154	NM_00112	XM_01151	.	.	NP_00112	XP_011513	protein_co	ENSG0000	5425	9176
POLD3	7.53386	7.22886	6.45015	7.25927	8.31353	7.92146	DNA polymerase delta 3, accessory subunit [Source:HGNC Symbo	chr11:7430	NM_00659	XM_01154	.	.	NP_00658	XP_005273	protein_co	ENSG0000	10714	20932
POLD4	28.1298	29.2754	39.0203	20.0939	17.2622	24.6097	DNA polymerase delta 4, accessory subunit [Source:HGNC Symbo	chr11:6711	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	57804	14106
POLDIP2	60.3009	59.0533	52.448	65.2451	55.6528	44.3505	DNA polymerase delta interacting protein 2 [Source:HGNC Symbo	chr17:2667	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	26073	23781
POLDIP3	41.4074	40.0768	39.4413	45.7177	40.4287	34.0919	DNA polymerase delta interacting protein 3 [Source:HGNC Symbo	chr22:4297	NM_00127	XM_01153	.	.	NP_00126	XP_011528	protein_co	ENSG0000	84271	23782
POLE	19.1304	20.0118	17.6556	19.6517	19.449	17.6633	DNA polymerase epsilon, catalytic subunit [Source:HGNC Symbol	chr12:1332	NM_00623	XM_01153	.	.	NP_00622	XP_011533	protein_co	ENSG0000	5426	9177
POLE2	14.3764	13.192	15.3387	13.8616	20.0995	14.792	DNA polymerase epsilon 2, accessory subunit [Source:HGNC Sym	chr14:5011	NM_00119	XM_01702	.	.	NP_00118	XP_011535	protein_co	ENSG0000	5427	9178
POLE3	74.3499	75.4011	68.0618	82.2361	91.6277	63.7132	DNA polymerase epsilon 3, accessory subunit [Source:HGNC Sym	chr9:11616	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	54107	13546
POLE4	11.4459	10.724	7.1844	13.2957	9.98124	10.3287	DNA polymerase epsilon 4, accessory subunit [Source:HGNC Sym	chr2:75185	NM_01989	.	.	.	NP_06394	.	protein_co	ENSG0000	56655	18755
POLG	15.4078	15.9278	16.3446	16.799	16.1935	13.9564	DNA polymerase gamma, catalytic subunit [Source:HGNC Symbol	chr15:8978	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	5428	9179
POLG2	12.184	12.1726	12.5077	11.6545	10.6565	9.15153	DNA polymerase gamma 2, accessory subunit [Source:HGNC Sym	chr17:6247	NM_00721	.	.	.	NP_00914	.	protein_co	ENSG0000	11232	9180
POLH	10.4155	10.6612	13.2768	11.536	12.1949	8.22874	DNA polymerase eta [Source:HGNC Symbol;Acc:HGNC:9181]	chr6:43543	NM_00129	XM_01151	.	.	NP_00127	XP_005249	protein_co	ENSG0000	5429	9181
POLI	6.07717	5.15483	6.93443	4.31107	5.00302	7.45251	DNA polymerase iota [Source:HGNC Symbol;Acc:HGNC:9182]	chr18:5179	NM_00719	XM_01152	.	.	NP_00912	XP_005258	protein_co	ENSG0000	11201	9182
POLK	5.06279	4.11542	5.01326	3.59827	6.72189	6.01393	DNA polymerase kappa [Source:HGNC Symbol;Acc:HGNC:9183]	chr5:74666	NM_01621	XM_01154	.	.	NP_05730	XP_005248	protein_co	ENSG0000	51426	9183
POLL	19.2563	17.9471	16.9001	14.4393	11.9266	13.4467	DNA polymerase lambda [Source:HGNC Symbol;Acc:HGNC:9184]	chr10:1033	NM_00117	XM_01701	.	.	NP_00116	XP_006717	protein_co	ENSG0000	27343	9184
POLM	7.42345	8.08717	8.10874	6.97396	7.09847	5.85502	DNA polymerase mu [Source:HGNC Symbol;Acc:HGNC:9185]	chr7:44111	NM_00128	XM_01701	NR_10689	.	NP_00127	XP_006715	protein_co	ENSG0000	10246550	9185
POLN	0.435362	0.401425	0.485106	0.266272	0.273959	0.19186	DNA polymerase nu [Source:HGNC Symbol;Acc:HGNC:18870]	chr4:20736	NM_18180	.	.	.	NP_86152	.	protein_co	ENSG0000	353497	18870
POLQ	4.59583	4.45579	4.43633	4.28201	6.16337	5.32446	DNA polymerase theta [Source:HGNC Symbol;Acc:HGNC:9186]	chr3:12115	NM_19942	XM_01151	.	.	NP_95545	XP_011510	protein_co	ENSG0000	10721	9186
POLR1A	11.6905	13.7652	11.2089	12.9035	12.9423	9.23378	RNA polymerase I subunit A [Source:HGNC Symbol;Acc:HGNC:17	chr2:86247	NM_01542	XM_00671	.	.	NP_05624	.	protein_co	ENSG0000	25885	17264
POLR1B	25.639	27.073	26.8127	28.7182	32.4528	23.4437	RNA polymerase I subunit B [Source:HGNC Symbol;Acc:HGNC:20	chr2:11329	NM_00113	.	.	.	NP_00113	.	protein_co	ENSG0000	84172	20454
POLR1C	52.3621	51.2467	43.4822	61.9279	52.8782	34.7967	RNA polymerase I subunit C [Source:HGNC Symbol;Acc:HGNC:20	chr6:43484	NM_20329	XM_00524	.	.	NP_00130	XP_005249	protein_co	ENSG0000	9533	20194
POLR1D	120.426	103.645	111.243	134.148	115.656	120.277	RNA polymerase I subunit D [Source:HGNC Symbol;Acc:HGNC:20	chr13:2819	NM_00120	XM_00526	.	.	NP_00119	XP_005266	protein_co	ENSG0000	51082	20422
POLR1E	33.2196	33.4593	31.5298	41.2426	38.1502	30.1397	RNA polymerase I subunit E [Source:HGNC Symbol;Acc:HGNC:17	chr9:37485	NM_00128	XM_00525	.	.	NP_00126	XP_005251	protein_co	ENSG0000	64425	17631
POLR2A	48.5877	55.0916	51.1266	54.7205	54.6101	50.1598	RNA polymerase II subunit A [Source:HGNC Symbol;Acc:HGNC:91	chr17:7387	NM_00093	.	.	.	NP_00092	.	protein_co	ENSG0000	5430	9187
POLR2B	68.1127	67.6529	70.9399	72.9349	77.5955	72.4429	RNA polymerase II subunit B [Source:HGNC Symbol;Acc:HGNC:91	chr4:57829	NM_00093	.	.	.	NP_00092	.	protein_co	ENSG0000	5431	9188
POLR2C	65.8752	65.944	57.5798	85.3418	74.1061	55.63	RNA polymerase II subunit C [Source:HGNC Symbol;Acc:HGNC:91	chr16:5749	NM_03294	.	.	.	NP_11655	.	protein_co	ENSG0000	5432	9189
POLR2D	38.7401	41.9537	37.0091	47.5778	46.5899	39.1322	RNA polymerase II subunit D [Source:HGNC Symbol;Acc:HGNC:91	chr2:12860	NM_00480	.	.	.	NP_00479	.	protein_co	ENSG0000	5433	9191
POLR2E	87.3242	96.8426	85.9639	88.2165	77.0434	58.5788	RNA polymerase II subunit E [Source:HGNC Symbol;Acc:HGNC:91	chr19:1065	NM_00131	XM_01152	.	.	NP_00130	XP_011526	protein_co	ENSG0000	5434	9192
POLR2F	74.8852	73.3743	55.4699	92.4842	83.5667	54.505	RNA polymerase II subunit F [Source:HGNC Symbol;Acc:HGNC:91	chr22:3833	NM_00130	XM_01153	.	.	NP_00128	XP_016884	protein_co	ENSG0000	5435	9193

POLR2G	138.694	123.336	118.303	141.104	114.492	106.079	RNA polymerase II subunit G [Source:HGNC Symbol;Acc:HGNC:91	chr11:6252	NM_00269	.	.	.	NP_00268	.	protein_co	ENSG0000	5436	9194
POLR2H	128.489	124.771	121.006	141.914	103.718	96.6112	RNA polymerase II subunit H [Source:HGNC Symbol;Acc:HGNC:91	chr3:18407	NM_00127	XM_00671	.	.	NP_00126	XP_005247	protein_co	ENSG0000	5437	9195
POLR2I	35.5614	35.7862	33.6178	43.798	35.3695	28.6511	RNA polymerase II subunit I [Source:HGNC Symbol;Acc:HGNC:919	chr19:3660	NM_00623	.	.	.	NP_00622	.	protein_co	ENSG0000	5438	9196
POLR2J	61.8286	59.2924	50.9707	70.8853	55.1992	49.0273	RNA polymerase II subunit J [Source:HGNC Symbol;Acc:HGNC:919	chr7:10210	NM_00623	XM_00525	.	.	NP_00622	XP_005250	protein_co	ENSG0000	5439	9197
POLR2J2	1.24563	0.243291	1.34072	0.21848	0.13711	0.840692	RNA polymerase II subunit J2 [Source:HGNC Symbol;Acc:HGNC:2	chr7:10230	NM_03295	.	.	.	NP_11658	.	protein_co	ENSG0000	246721	23208
POLR2J3	0.995907	2.95794	2.18899	1.24409	1.23593	1.98277	RNA polymerase II subunit J3 [Source:HGNC Symbol;Acc:HGNC:3	chr7:10217	NM_00109	.	.	.	NP_00109	XP_016867	protein_co	ENSG0000	548644	33853
POLR2K	104.843	100.057	91.5572	128.442	112.236	102.814	RNA polymerase II subunit K [Source:HGNC Symbol;Acc:HGNC:91	chr8:10116	NM_00503	.	.	.	NP_00502	.	protein_co	ENSG0000	5440	9198
POLR2L	147.727	142.229	136.442	178.58	122.491	98.1441	RNA polymerase II subunit L [Source:HGNC Symbol;Acc:HGNC:91	chr11:8397	NM_02112	.	.	.	NP_06695	.	protein_co	ENSG0000	5441	9199
POLR2M	17.7676	19.867	15.7764	19.8956	18.5635	19.8057	RNA polymerase II subunit M [Source:HGNC Symbol;Acc:HGNC:14	chr15:5788	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	81488	14862
POLR3A	11.0243	12.4735	11.5515	12.9123	12.8069	11.2661	RNA polymerase III subunit A [Source:HGNC Symbol;Acc:HGNC:3	chr10:7972	NM_00705	.	.	.	NP_00898	.	protein_co	ENSG0000	11128	30074
POLR3B	4.92647	5.36349	4.82746	5.1102	6.3102	5.68306	RNA polymerase III subunit B [Source:HGNC Symbol;Acc:HGNC:3	chr12:1067	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	55703	30348
POLR3C	16.6503	15.9671	11.5517	19.1012	17.2982	10.5825	RNA polymerase III subunit C [Source:HGNC Symbol;Acc:HGNC:3	chr1:14555	NM_00130	XM_00527	.	.	NP_00129	XP_005272	protein_co	ENSG0000	10623	30076
POLR3D	15.9181	16.7666	14.6992	15.8216	14.2563	12.4985	RNA polymerase III subunit D [Source:HGNC Symbol;Acc:HGNC:1	chr8:22102	NM_00172	.	.	.	NP_00171	.	protein_co	ENSG0000	661	1080
POLR3E	18.2268	17.7028	17.274	20.3924	17.2415	14.6946	RNA polymerase III subunit E [Source:HGNC Symbol;Acc:HGNC:3	chr16:2230	NM_00125	XM_01154	.	.	NP_00124	XP_006721	protein_co	ENSG0000	101060521	30347
POLR3F	10.1338	8.56305	8.0832	11.2395	11.5656	7.72851	RNA polymerase III subunit F [Source:HGNC Symbol;Acc:HGNC:15	chr20:1836	NM_00128	XM_01152	.	.	NP_00126	XP_011527	protein_co	ENSG0000	10621	15763
POLR3G	23.1101	23.6487	23.4519	27.1549	23.5094	20.0064	RNA polymerase III subunit G [Source:HGNC Symbol;Acc:HGNC:3	chr5:89770	NM_00646	XM_01154	.	.	NP_00645	XP_005248	protein_co	ENSG0000	10622	30075
POLR3GL	17.5182	15.875	18.8755	19.2553	16.3531	18.6797	RNA polymerase III subunit G like [Source:HGNC Symbol;Acc:HGN	chr1:14545	NM_03230	XM_01151	.	.	NP_11568	XP_005277	protein_co	ENSG0000	84265	28466
POLR3H	24.0451	27.1877	23.1359	31.4862	28.9065	17.5058	RNA polymerase III subunit H [Source:HGNC Symbol;Acc:HGNC:3	chr22:4186	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	171568	30349
POLR3K	21.5977	24.8598	22.066	36.0858	28.3632	18.3131	RNA polymerase III subunit K [Source:HGNC Symbol;Acc:HGNC:14	chr16:9640	NM_01631	.	.	.	NP_05739	.	protein_co	ENSG0000	51728	14121
POLRMT	40.192	44.7867	44.05	43.9217	41.3926	34.5986	RNA polymerase mitochondrial [Source:HGNC Symbol;Acc:HGNC:	chr19:6172	NM_00503	XM_00525	.	.	NP_00502	XP_005259	protein_co	ENSG0000	5442	9200
POM121	15.4749	17.3002	15.0737	17.2452	15.614	13.3922	POM121 transmembrane nucleoporin [Source:HGNC Symbol;Acc	chr7:72349	NM_00125	XM_01701	.	.	NP_00124	XP_005250	protein_co	ENSG0000	9883	19702
POM121C	12.8766	13.618	12.2553	12.1562	12.2	10.1621	POM121 transmembrane nucleoporin C [Source:HGNC Symbol;A	chr7:75046	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	100101267	34005
POM121L12	0	0	0	0	0	0	POM121 transmembrane nucleoporin like 12 [Source:HGNC Sym	chr7:53103	NM_18259	.	.	.	NP_87240	.	protein_co	ENSG0000	285877	25369
POM121L2	0	0	0	0	0	0	POM121 transmembrane nucleoporin like 2 [Source:HGNC Symb	chr6:27276	NM_03348	.	.	.	NP_25844	.	protein_co	ENSG0000	94026	13973
POMC	0	0	0	0	0	0	proopiomelanocortin [Source:HGNC Symbol;Acc:HGNC:9201]	chr2:25383	NM_00093	XM_01153	.	.	NP_00093	XP_011531	protein_co	ENSG0000	5443	9201
POMGNT1	35.3954	35.4299	38.9085	37.9692	30.8092	32.081	protein O-linked mannose N-acetylglucosaminyltransferase 1 (be	chr1:46654	NM_00124	XM_01700	.	.	NP_00123	XP_005271	protein_co	ENSG0000	55624	19139
POMGNT2	17.8791	17.8925	17.1865	19.0886	16.6592	14.7372	protein O-linked mannose N-acetylglucosaminyltransferase 2 (be	chr3:43120	NM_03280	XM_01153	.	.	NP_11619	XP_005265	protein_co	ENSG0000	84892	25902
POMK	8.09722	10.4801	9.56659	9.02713	12.3272	9.3782	protein-O-mannose kinase [Source:HGNC Symbol;Acc:HGNC:262	chr8:42948	NM_00127	XM_01154	.	.	NP_00126	XP_011542	protein_co	ENSG0000	84197	26267
POMP	100.164	85.8286	90.4462	102.448	118.538	121.973	proteasome maturation protein [Source:HGNC Symbol;Acc:HGNC	chr13:2923	NM_01593	.	.	.	NP_05701	.	protein_co	ENSG0000	51371	20330
POMT1	5.28808	5.68977	5.61373	5.50982	4.8362	3.90066	protein O-mannosyltransferase 1 [Source:HGNC Symbol;Acc:HGN	chr9:13437	NM_00107	XM_01701	.	.	NP_00107	XP_005272	protein_co	ENSG0000	10585	9202
POMT2	6.34832	6.32619	6.17485	5.5889	4.97713	3.99167	protein O-mannosyltransferase 2 [Source:HGNC Symbol;Acc:HGN	chr14:7774	NM_01338	XM_01153	.	.	NP_03751	XP_011534	protein_co	ENSG0000	29954	19743
POMZP3	5.26528	5.29714	3.68476	6.4153	5.96476	5.4322	POM121 and ZP3 fusion [Source:HGNC Symbol;Acc:HGNC:9203]	chr7:76239	NM_01223	.	.	.	NP_03636	.	protein_co	ENSG0000	22932	9203
PON1	0.094872	0	0.054872	0.143846	0	0.030847	paraoxonase 1 [Source:HGNC Symbol;Acc:HGNC:9204]	chr7:94926	NM_00044	.	.	.	NP_00043	.	protein_co	ENSG0000	5444	9204
PON2	36.1253	31.7652	38.6754	38.5924	42.5763	51.4651	paraoxonase 2 [Source:HGNC Symbol;Acc:HGNC:9205]	chr7:95034	NM_00030	XM_01151	.	.	NP_00029	XP_005250	protein_co	ENSG0000	5445	9205
PON3	1.62964	1.59413	2.51514	2.95973	2.09456	2.43815	paraoxonase 3 [Source:HGNC Symbol;Acc:HGNC:9206]	chr7:94989	NM_00094	.	.	.	NP_00093	.	protein_co	ENSG0000	5446	9206
POP1	17.6616	17.6906	16.3271	26.4198	25.958	15.9467	POP1 homolog, ribonuclease P/MRP subunit [Source:HGNC Symb	chr8:99129	NM_00114	XM_01151	.	.	NP_00113	.	protein_co	ENSG0000	10940	30129
POP4	15.3236	14.4684	12.3007	18.2795	14.6522	10.5312	POP4 homolog, ribonuclease P/MRP subunit [Source:HGNC Symb	chr19:3009	NM_00662	.	.	.	NP_00661	.	protein_co	ENSG0000	10775	30081
POP5	51.0971	43.5802	48.0434	62.7412	49.1915	29.726	POP5 homolog, ribonuclease P/MRP subunit [Source:HGNC Symb	chr12:1210	NM_01591	XM_01153	.	.	NP_05700	XP_011536	protein_co	ENSG0000	51367	17689
POP7	78.4333	77.1567	63.7125	93.4607	82.9131	62.9127	POP7 homolog, ribonuclease P/MRP subunit [Source:HGNC Symb	chr7:10030	NM_00583	.	.	.	NP_00582	.	protein_co	ENSG0000	10248	19949
POPDC2	0.304587	0.604834	0.213529	0.894135	0.949195	0.277214	popeye domain containing 2 [Source:HGNC Symbol;Acc:HGNC:17	chr3:11936	NM_00130	XM_00524	.	.	NP_00129	XP_005247	protein_co	ENSG0000	64091	17648
POPDC3	7.16446	4.98041	4.44346	5.96394	8.09395	7.97298	popeye domain containing 3 [Source:HGNC Symbol;Acc:HGNC:17	chr6:10560	NM_02236	XM_01153	.	.	NP_07175	XP_011534	protein_co	ENSG0000	64208	17649
POR	31.5839	31.5759	29.244	35.9704	30.8271	33.1582	cytochrome p450 oxidoreductase [Source:HGNC Symbol;Acc:HGN	chr7:75544	NM_00094	.	NR_03979	.	NP_00093	.	protein_co	ENSG0000	100616270	9208
PORCN	6.89599	6.54546	6.92382	5.48091	4.40212	5.24594	porcupine homolog (Drosophila) [Source:HGNC Symbol;Acc:HGN	chrX:48367	NM_00128	XM_01154	.	.	NP_00126	XP_005272	protein_co	ENSG0000	64840	17652
POSTN	0	0	0	0	0	0	periostin [Source:HGNC Symbol;Acc:HGNC:16953]	chr13:3813	NM_00113	XM_00526	.	.	NP_00112	XP_005266	protein_co	ENSG0000	10631	16953
POT1	5.2727	5.09429	6.94207	4.49748	7.06343	7.41715	protection of telomeres 1 [Source:HGNC Symbol;Acc:HGNC:1728	chr7:12446	NM_00104	XM_01701	.	.	NP_00103	XP_006715	protein_co	ENSG0000	25913	17284
POTEB	0	0	0	0	0	0	POTE ankyrin domain family member B [Source:HGNC Symbol;Ac	chr15:2205	NM_00127	XM_01699	.	.	NP_00126	XP_016855	protein_co	ENSG0000	102724631	33734
POTEB2	0	0	0	0	0	0	POTE ankyrin domain family member B2 [Source:HGNC Symbol;A	chr15:2104	NM_00127	.	.	.	NP_00126	XP_016855	protein_co	ENSG0000	102724631	48327
POTEB3	0	0	0	0	0	0	POTE ankyrin domain family member B3 [Source:HGNC Symbol;A	chr15:2205	NM_20735	.	.	.	NP_99723	XP_006720	protein_co	ENSG0000	102724631	51240
POTEC	0	0	0	0	0	0	POTE ankyrin domain family member C [Source:HGNC Symbol;Ac	chr18:1451	NM_00113	XM_01152	.	.	NP_00113	XP_011523	protein_co	ENSG0000	388468	33894
POTED	0	0	0	0	0	0	POTE ankyrin domain family member D [Source:HGNC Symbol;Ac	chr21:1498	NM_17498	.	.	.	NP_77814	XP_011527	protein_co	ENSG0000	317754	23822
POTEE	0.090188	0.06205	0.127446	0.033135	0.099803	0.094876	POTE ankyrin domain family member E [Source:HGNC Symbol;Ac	chr2:13186	NM_00108	XM_01700	.	.	NP_00107	XP_016859	protein_co	ENSG0000	445582	33895
POTEF	0.183803	0.220434	0.199483	0.11819	0.191666	0.095221	POTE ankyrin domain family member F [Source:HGNC Symbol;Ac	chr2:13083	NM_00109	XM_01151	.	.	NP_00109	XP_011510	protein_co	ENSG0000	728378	33905
POTEG	0	0	0	0	0	0.009243	POTE ankyrin domain family member M [Source:HGNC Symbol;A	chr14:1955	NM_00100	.	.	.	NP_00113	.	protein_co	ENSG0000	641455	37096
POTEH	0	0	0	0	0	0	POTE ankyrin domain family member H [Source:HGNC Symbol;Ac	chr22:1625	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	23784	133
POTEI	0	0.009326	0	0	0	0	POTE ankyrin domain family member I [Source:HGNC Symbol;Acc	chr2:13121	NM_00127	XM_01151	.	.	NP_00126	XP_011509	protein_co	ENSG0000	653269	37093
POTEJ	0	0.017616	0	0	0	0	POTE ankyrin domain family member J [Source:HGNC Symbol;Acc	chr2:13136	NM_00127	XM_01151	.	.	NP_00126	XP_011509	protein_co	ENSG0000	653781	37094
POTEM	0	0	0	0	0	0	POTE ankyrin domain family member G [Source:HGNC Symbol;Ac	chr14:1998	NM_00114	.	.	.	NP_00100	.	protein_co	ENSG0000	404785	33896
POU1F1	0	0	0	0	0	0	POU class 1 homeobox 1 [Source:HGNC Symbol;Acc:HGNC:9210]	chr3:87308	NM_00030	.	.	.	NP_00029	.	protein_co	ENSG0000	5449	9210
POU2AF1	0.028294	0	0	0.030765	0	0	POU class 2 associating factor 1 [Source:HGNC Symbol;Acc:HGNC	chr11:1112	NM_00623	.	.	.	NP_00622	XP_006718	protein_co	ENSG0000	5450	9211

POU2F1	5.04677	6.09131	5.44977	5.44488	6.56947	7.11531	POU class 2 homeobox 1 [Source:HGNC Symbol;Acc:HGNC:9212]	chr1:16719	NM_00119	XM_01150	NR_03716	.	NP_00118	XP_011507	protein_co	ENSG0000	5451	9212
POU2F2	0.229347	0.452379	0.306276	0.104331	0.20298	0.158481	POU class 2 homeobox 2 [Source:HGNC Symbol;Acc:HGNC:9213]	chr19:4259	NM_00120	XM_01152	.	.	NP_00119	XP_005259	protein_co	ENSG0000	5452	9213
POU2F3	0.16606	0.14981	0.191844	0.304136	0.171866	0.291099	POU class 2 homeobox 3 [Source:HGNC Symbol;Acc:HGNC:19864	chr11:1201	NM_00124	XM_01154	.	.	NP_00123	XP_011541	protein_co	ENSG0000	25833	19864
POU3F1	0.068276	0.06354	0.057313	0	0.329376	0	POU class 3 homeobox 1 [Source:HGNC Symbol;Acc:HGNC:9214]	chr1:38510	NM_00269	.	.	.	NP_00269	.	protein_co	ENSG0000	5453	9214
POU3F2	0	0	0	0	0	0	POU class 3 homeobox 2 [Source:HGNC Symbol;Acc:HGNC:9215]	chr6:99282	NM_00560	.	.	.	NP_00559	.	protein_co	ENSG0000	5454	9215
POU3F3	0	0	0	0	0	0	POU class 3 homeobox 3 [Source:HGNC Symbol;Acc:HGNC:9216]	chr2:10547	NM_00623	.	.	.	NP_00622	.	protein_co	ENSG0000	5455	9216
POU3F4	0	0	0	0	0	0	POU class 3 homeobox 4 [Source:HGNC Symbol;Acc:HGNC:9217]	chrX:82763	NM_00030	.	.	.	NP_00029	.	protein_co	ENSG0000	5456	9217
POU4F1	0	0	0	0	0.023541	0	POU class 4 homeobox 1 [Source:HGNC Symbol;Acc:HGNC:9218]	chr13:7917	NM_00623	.	.	.	NP_00622	.	protein_co	ENSG0000	5457	9218
POU4F2	0	0	0	0	0	0	POU class 4 homeobox 2 [Source:HGNC Symbol;Acc:HGNC:9219]	chr4:14756	NM_00457	.	.	.	NP_00456	.	protein_co	ENSG0000	5458	9219
POU4F3	0.090884	0.087966	0.076812	0.097007	0	0.102367	POU class 4 homeobox 3 [Source:HGNC Symbol;Acc:HGNC:9220]	chr5:14558	NM_00270	.	.	.	NP_00269	.	protein_co	ENSG0000	5459	9220
POU5F1	0.06816	0	0	0	0	0	POU class 5 homeobox 1 [Source:HGNC Symbol;Acc:HGNC:9221]	chr6:31132	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	5460	9221
POU5F1B	0.193562	0.087342	0.132335	0.15578	0.015468	0.180034	POU class 5 homeobox 1B [Source:HGNC Symbol;Acc:HGNC:9223	chr8:12842	NM_00115	.	.	.	NP_00115	.	protein_co	ENSG0000	5462	9223
POU5F2	0	0	0	0	0	0.011272	POU domain class 5, transcription factor 2 [Source:HGNC Symbol;	chr5:92953	NM_15321	.	.	.	NP_69494	.	protein_co	ENSG0000	134187	26367
POU6F1	1.1073	1.1579	0.933428	0.922404	0.861414	1.45677	POU class 6 homeobox 1 [Source:HGNC Symbol;Acc:HGNC:9224]	chr12:5158	NM_00270	XM_01701	.	.	NP_00269	XP_016874	protein_co	ENSG0000	5463	9224
POU6F2	0	0	0	0	0	0	POU class 6 homeobox 2 [Source:HGNC Symbol;Acc:HGNC:21694	chr7:39017	NM_00116	.	.	.	NP_00115	XP_011513	protein_co	ENSG0000	11281	21694
PP2D1	0	0	0	0	0	0	protein phosphatase 2C like domain containing 1 [Source:HGNC S	chr3:20026	NM_00125	.	.	.	NP_00123	.	protein_co	ENSG0000	151649	28406
PPA1	145.709	149.354	145.288	156.955	148.618	135.723	pyrophosphatase (inorganic) 1 [Source:HGNC Symbol;Acc:HGNC:9	chr10:7196	NM_02112	.	.	.	NP_06695	.	protein_co	ENSG0000	5464	9226
PPA2	24.6801	20.5318	31.7123	24.2048	28.0906	39.1526	pyrophosphatase (inorganic) 2 [Source:HGNC Symbol;Acc:HGNC:2	chr4:10629	NM_00690	.	.	.	NP_00883	.	protein_co	ENSG0000	27068	28883
PPAN	31.2206	32.0307	27.3811	31.1999	23.4792	19.0788	peter pan homolog (Drosophila) [Source:HGNC Symbol;Acc:HGNC	chr19:1021	NM_02023	.	.	.	NP_06461	.	protein_co	ENSG0000	56342	9227
PPAN-P2RY11	0.207511	1.04487	1.94667	1.14837	2.14847	1.07059	PPAN-P2RY11 readthrough [Source:HGNC Symbol;Acc:HGNC:335	chr19:1021	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	692312	33526
PPARA	2.53975	2.38806	3.37771	2.16625	2.49145	2.34486	peroxisome proliferator activated receptor alpha [Source:HGNC S	chr22:4654	NM_00100	XM_01153	.	.	NP_00100	XP_005261	protein_co	ENSG0000	5465	9232
PPARD	18.3852	19.0029	21.7392	16.8902	16.5008	18.7677	peroxisome proliferator activated receptor delta [Source:HGNC S	chr6:35310	NM_00117	XM_01701	.	.	NP_00116	XP_005249	protein_co	ENSG0000	5467	9235
PPARG	12.5544	10.4779	13.9085	25.911	21.868	19.8026	peroxisome proliferator activated receptor gamma [Source:HGNC	chr3:12328	NM_00503	XM_01153	.	.	NP_00502	XP_011532	protein_co	ENSG0000	5468	9236
PPARGC1A	0	0.016627	0	0	0	0	PPARG coactivator 1 alpha [Source:HGNC Symbol;Acc:HGNC:9237	chr4:23793	NM_01326	XM_01700	.	.	NP_03739	XP_005248	protein_co	ENSG0000	10891	9237
PPARGC1B	3.69954	4.16879	4.64313	3.68139	3.69222	2.89408	PPARG coactivator 1 beta [Source:HGNC Symbol;Acc:HGNC:3002	chr5:14910	NM_00117	XM_01153	.	.	NP_00116	XP_005268	protein_co	ENSG0000	133522	30022
PPAT	33.5415	32.397	34.0785	32.9087	39.7039	36.4998	phosphoribosyl pyrophosphate amidotransferase [Source:HGNC S	chr4:57259	NM_00270	XM_01153	.	.	NP_00269	XP_011532	protein_co	ENSG0000	5471	9238
PPBP	0	0	0	0	0	0	pro-platelet basic protein [Source:HGNC Symbol;Acc:HGNC:9240]	chr4:74852	NM_00270	.	.	.	NP_00269	.	protein_co	ENSG0000	5473	9240
PPCDC	17.9763	13.9188	14.0344	21.6635	13.1853	11.9749	phosphopantothenoylcysteine decarboxylase [Source:HGNC Sym	chr15:7531	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	60490	28107
PPCS	46.8045	43.9126	46.7355	44.1767	45.4364	40.9602	phosphopantothenoylcysteine synthetase [Source:HGNC Symbol;	chr1:42895	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	79717	25686
PPDPF	250.892	257.061	221.796	264.171	211.633	213.608	pancreatic progenitor cell differentiation and proliferation factor	chr20:6215	NM_02429	.	.	.	NP_07727	.	protein_co	ENSG0000	79144	16142
PPEF1	0	0.04777	0.039225	0	0.024753	0.082794	protein phosphatase with EF-hand domain 1 [Source:HGNC Symb	chrX:18709	NM_00624	XM_00527	.	.	NP_00623	XP_005274	protein_co	ENSG0000	5475	9243
PPEF2	0.037206	0.038101	0.071388	0	0	0.078105	protein phosphatase with EF-hand domain 2 [Source:HGNC Symb	chr4:76781	NM_00623	XM_01153	.	.	NP_00623	XP_011530	protein_co	ENSG0000	5470	9244
PPFIA1	15.3108	14.7641	13.5504	14.5261	15.5913	13.894	PTPRF interacting protein alpha 1 [Source:HGNC Symbol;Acc:HGN	chr11:7011	NM_00362	XM_01701	.	.	NP_00361	XP_006718	protein_co	ENSG0000	8500	9245
PPFIA2	0	0	0.036188	0.01658	0	0.016377	PTPRF interacting protein alpha 2 [Source:HGNC Symbol;Acc:HGN	chr12:8147	NM_00122	XM_01702	.	.	NP_00120	XP_006719	protein_co	ENSG0000	8499	9246
PPFIA3	6.17203	5.63707	5.54648	7.06954	5.62313	4.81409	PTPRF interacting protein alpha 3 [Source:HGNC Symbol;Acc:HGN	chr19:4962	NM_00366	XM_01702	.	.	NP_00365	XP_006723	protein_co	ENSG0000	8541	9247
PPFIA4	0.874837	0.908959	1.76193	0.855207	0.873275	0.731681	PTPRF interacting protein alpha 4 [Source:HGNC Symbol;Acc:HGN	chr1:20299	NM_00130	XM_01151	.	.	NP_00129	XP_006711	protein_co	ENSG0000	8497	9248
PPFIBP1	16.1961	17.2389	22.7816	13.9105	15.877	19.3035	PPFIA binding protein 1 [Source:HGNC Symbol;Acc:HGNC:9249]	chr12:2767	NM_00119	XM_01702	.	.	NP_00118	XP_005253	protein_co	ENSG0000	8496	9249
PPFIBP2	0.835396	0.812022	0.985905	1.26478	1.03023	1.26677	PPFIA binding protein 2 [Source:HGNC Symbol;Acc:HGNC:9250]	chr11:7535	NM_00125	XM_01701	.	.	NP_00124	XP_005253	protein_co	ENSG0000	8495	9250
PPHLN1	33.5855	29.9405	32.8498	34.0956	34.2337	31.5297	periphilin 1 [Source:HGNC Symbol;Acc:HGNC:19369]	chr12:4263	NM_00114	XM_01701	.	.	NP_00113	XP_005269	protein_co	ENSG0000	51535	19369
PPIA	2354.48	2212.54	2169.99	2467.32	2026.43	2191.81	peptidylprolyl isomerase A [Source:HGNC Symbol;Acc:HGNC:9253	chr7:44836	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	5478	9253
PPIAL4A	0	0	0	0	0	0	peptidylprolyl isomerase A like 4A [Source:HGNC Symbol;Acc:HG	chr1:14795	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	653505	24369
PPIAL4B	0	0	0	0	0	0	peptidylprolyl isomerase A (cyclophilin A)-like 4B [Source:HGNC S	chr1:14433	NM_00114	XM_00384	.	.	NP_00113	XP_005276	protein_co	ENSG0000	164022	33994
PPIAL4C	0	0	0	0	0	0	peptidylprolyl isomerase A like 4C [Source:HGNC Symbol;Acc:HG	chr1:14955	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	653598	33995
PPIAL4D	0	0	0	0	0	0.104933	peptidylprolyl isomerase A like 4D [Source:HGNC Symbol;Acc:HG	chr1:14820	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	645142	33998
PPIAL4E	0	0	0	0	0	0	peptidylprolyl isomerase A like 4E [Source:HGNC Symbol;Acc:HGN	chr1:14864	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	730262	33997
PPIAL4G	0	0.223183	0	0.119077	0	0	peptidylprolyl isomerase A like 4G [Source:HGNC Symbol;Acc:HG	chr1:14376	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	644591	33996
PPIB	628.008	583.754	395.067	622.485	483.443	543.208	peptidylprolyl isomerase B [Source:HGNC Symbol;Acc:HGNC:9255	chr15:6444	NM_00094	.	.	.	NP_00093	.	protein_co	ENSG0000	5479	9255
PPIC	17.4671	17.216	22.6162	12.9965	9.84124	14.3109	peptidylprolyl isomerase C [Source:HGNC Symbol;Acc:HGNC:9256	chr5:12235	NM_00094	.	.	.	NP_00093	.	protein_co	ENSG0000	5480	9256
PPID	53.7531	50.7429	41.6542	71.0287	63.6671	50.8247	peptidylprolyl isomerase D [Source:HGNC Symbol;Acc:HGNC:9257	chr4:15959	NM_00503	.	.	.	NP_00502	.	protein_co	ENSG0000	5481	9257
PPIE	56.7831	57.5939	53.0919	65.9517	49.5868	44.4907	peptidylprolyl isomerase E [Source:HGNC Symbol;Acc:HGNC:9258	chr1:40204	NM_00119	XM_01700	.	.	NP_00118	XP_006710	protein_co	ENSG0000	10450	9258
PPIF	73.9111	76.0938	69.9771	88.5426	74.9252	51.7576	peptidylprolyl isomerase F [Source:HGNC Symbol;Acc:HGNC:9259	chr10:8110	NM_00572	XM_00526	.	.	NP_00572	XP_005269	protein_co	ENSG0000	10105	9259
PPIG	26.8891	22.3293	26.4126	22.7945	28.6718	23.637	peptidylprolyl isomerase G [Source:HGNC Symbol;Acc:HGNC:146	chr2:17044	NM_00479	XM_00524	.	.	NP_00478	XP_005247	protein_co	ENSG0000	9360	14650
PPIH	104.427	95.1731	75.3773	111.617	89.9414	68.0596	peptidylprolyl isomerase H [Source:HGNC Symbol;Acc:HGNC:146	chr1:43124	NM_00634	XM_01154	.	.	NP_00633	XP_005270	protein_co	ENSG0000	10465	14651
PPIL1	47.7011	45.4649	39.2418	54.8059	57.7078	48.7467	peptidylprolyl isomerase like 1 [Source:HGNC Symbol;Acc:HGNC:9	chr6:36822	NM_01605	.	.	.	NP_05714	.	protein_co	ENSG0000	51645	9260
PPIL2	16.8341	16.98	16.2177	16.9336	17.0265	13.128	peptidylprolyl isomerase like 2 [Source:HGNC Symbol;Acc:HGNC:9	chr22:2202	NM_01433	XM_01153	.	.	NP_00130	XP_005261	protein_co	ENSG0000	23759	9261
PPIL3	23.3905	21.1814	21.4715	23.8518	25.9253	27.2017	peptidylprolyl isomerase like 3 [Source:HGNC Symbol;Acc:HGNC:9	chr2:20173	NM_03247	XM_01700	.	.	NP_11586	XP_005246	protein_co	ENSG0000	53938	9262
PPIL4	19.3865	21.4163	18.4047	20.894	22.4744	22.5008	peptidylprolyl isomerase like 4 [Source:HGNC Symbol;Acc:HGNC:1	chr6:14982	NM_13912	.	.	.	NP_62431	.	protein_co	ENSG0000	85313	15702
PPIL6	0.342101	0.281021	0.659853	0.511367	0.544933	0.836681	peptidylprolyl isomerase like 6 [Source:HGNC Symbol;Acc:HGNC:2	chr6:10971	NM_00111	XM_01153	.	.	NP_00110	XP_011534	protein_co	ENSG0000	285755	21557
PPIP5K1	8.57459	8.83469	10.5926	6.46447	6.50553	7.3004	diphosphoinositol pentakisphosphate kinase 1 [Source:HGNC Sym	chr15:4382	NM_00113	XM_01702	.	.	NP_00112	XP_005254	protein_co	ENSG0000	9677	29023

PPIP5K2	7.21804	6.86084	7.21731	8.13642	11.3148	9.56184	diphosphoinositol pentakisphosphate kinase 2 [Source:HGNC Syn	chr5:10245	NM_00127	XM_01700	.	.	NP_00126	XP_005271	protein_co	ENSG0000	23262	29035
PPL	8.14816	9.67172	10.992	4.92775	5.30805	9.46216	periplakin [Source:HGNC Symbol;Acc:HGNC:9273]	chr16:4932	NM_00270	XM_00672	.	.	NP_00269	XP_006720	protein_co	ENSG0000	5493	9273
PPM1A	14.1051	13.2792	14.864	11.2276	13.0128	12.4793	protein phosphatase, Mg2+/Mn2+ dependent 1A [Source:HGNC S	chr14:6071	NM_02100	XM_01702	.	.	NP_06628	XP_005267	protein_co	ENSG0000	5494	9275
PPM1B	15.8195	17.0754	14.8516	17.1395	16.9371	21.4382	protein phosphatase, Mg2+/Mn2+ dependent 1B [Source:HGNC S	chr2:44396	NM_00103	.	.	.	NP_00102	XP_016859	protein_co	ENSG0000	5495	9276
PPM1D	18.4754	19.4887	20.4148	21.2289	19.2319	16.9967	protein phosphatase, Mg2+/Mn2+ dependent 1D [Source:HGNC S	chr17:5867	NM_00362	.	.	.	NP_00361	.	protein_co	ENSG0000	8493	9277
PPM1E	0	0.013088	0.010687	0.013967	0	0.024217	protein phosphatase, Mg2+/Mn2+ dependent 1E [Source:HGNC S	chr17:5683	NM_01490	.	.	.	NP_05572	.	protein_co	ENSG0000	22843	19322
PPM1F	11.1058	12.3125	14.4752	10.8962	10.1552	9.06152	protein phosphatase, Mg2+/Mn2+ dependent 1F [Source:HGNC S	chr22:2227	NM_01463	XM_01153	.	.	NP_05544	XP_011528	protein_co	ENSG0000	9647	19388
PPM1G	88.0784	82.2966	83.1602	117.99	100.398	76.011	protein phosphatase, Mg2+/Mn2+ dependent 1G [Source:HGNC S	chr2:27604	NM_17798	.	.	.	NP_81709	.	protein_co	ENSG0000	5496	9278
PPM1H	3.24704	3.79525	5.29814	1.91418	2.32694	2.11947	protein phosphatase, Mg2+/Mn2+ dependent 1H [Source:HGNC S	chr12:6303	NM_02070	XM_01153	.	.	NP_06575	XP_011536	protein_co	ENSG0000	57460	18583
PPM1J	6.66255	5.63432	9.20454	6.19447	4.31404	5.33502	protein phosphatase, Mg2+/Mn2+ dependent 1J [Source:HGNC S	chr1:11324	NM_00516	.	.	.	NP_00515	.	protein_co	ENSG0000	333926	20785
PPM1K	2.99739	2.53909	2.11183	1.9057	2.0922	2.32333	protein phosphatase, Mg2+/Mn2+ dependent 1K [Source:HGNC S	chr4:89178	NM_15254	XM_01700	.	.	NP_68975	XP_005262	protein_co	ENSG0000	152926	25415
PPM1L	3.05964	3.38906	4.63793	2.76668	3.5969	3.4608	protein phosphatase, Mg2+/Mn2+ dependent 1L [Source:HGNC S	chr3:16047	NM_00131	XM_01151	.	.	NP_00130	XP_011510	protein_co	ENSG0000	151742	16381
PPM1M	5.53385	4.77475	6.59605	4.61437	4.09227	7.92775	protein phosphatase, Mg2+/Mn2+ dependent 1M [Source:HGNC	chr3:52279	NM_00112	XM_00526	.	.	NP_00111	XP_005264	protein_co	ENSG0000	132160	26506
PPM1N	2.94403	3.65553	3.90206	2.7357	2.25205	4.18099	protein phosphatase, Mg2+/Mn2+ dependent 1N (putative) [Sou	chr19:4598	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	147699	26845
PPME1	37.5687	40.588	36.996	50.399	44.5817	34.8242	protein phosphatase methylesterase 1 [Source:HGNC Symbol;Acc	chr11:7388	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	51400	30178
PPOX	10.7486	11.1488	11.1607	12.5563	9.11628	8.6775	protoporphyrinogen oxidase [Source:HGNC Symbol;Acc:HGNC:92	chr1:16113	NM_00030	XM_01700	.	.	NP_00030	XP_006711	protein_co	ENSG0000	5498	9280
PPP1CA	136.964	137.721	125.746	159.989	134.161	130.18	protein phosphatase 1 catalytic subunit alpha [Source:HGNC Sym	chr11:6715	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	5499	9281
PPP1CB	41.5313	40.6947	40.2801	42.4469	53.1276	63.8544	protein phosphatase 1 catalytic subunit beta [Source:HGNC Symb	chr2:28974	NM_00270	.	.	.	NP_00270	.	protein_co	ENSG0000	5500	9282
PPP1CC	102.929	105.467	117.942	119.913	138.408	138.927	protein phosphatase 1 catalytic subunit gamma [Source:HGNC Sy	chr12:1111	NM_00124	XM_01153	.	.	NP_00123	XP_011536	protein_co	ENSG0000	5501	9283
PPP1R10	24.409	24.9141	26.5699	22.1765	22.0698	28.1715	protein phosphatase 1 regulatory subunit 10 [Source:HGNC Symb	chr6:30568	NM_00271	XM_01701	.	.	NP_00270	XP_006715	protein_co	ENSG0000	5514	9284
PPP1R11	35.0465	32.7079	23.8679	31.4622	31.8287	24.3848	protein phosphatase 1 regulatory inhibitor subunit 11 [Source:HG	chr6:30034	NM_02195	.	.	.	NP_06877	.	protein_co	ENSG0000	6992	9285
PPP1R12A	10.8841	11.1829	10.7315	10.5222	12.2217	13.1921	protein phosphatase 1 regulatory subunit 12A [Source:HGNC Sym	chr12:8016	NM_00114	XM_01153	.	.	NP_00113	XP_005268	protein_co	ENSG0000	4659	7618
PPP1R12B	1.22572	1.19407	1.64872	0.716947	1.18938	1.332	protein phosphatase 1 regulatory subunit 12B [Source:HGNC Sym	chr1:20231	NM_00116	.	.	.	NP_00116	XP_016856	protein_co	ENSG0000	4660	7619
PPP1R12C	21.6483	21.1344	18.366	25.3428	20.5977	16.9956	protein phosphatase 1 regulatory subunit 12C [Source:HGNC Sym	chr19:5560	NM_00127	XM_01152	.	.	NP_00125	XP_005259	protein_co	ENSG0000	54776	14947
PPP1R13B	3.03185	3.2638	2.73132	3.26801	3.02884	2.46231	protein phosphatase 1 regulatory subunit 13B [Source:HGNC Sym	chr14:1042	NM_01531	XM_01153	.	.	NP_05613	XP_005267	protein_co	ENSG0000	23368	14950
PPP1R13L	14.923	16.934	15.1876	15.1945	13.3642	17.474	protein phosphatase 1 regulatory subunit 13 like [Source:HGNC S	chr19:4588	NM_00114	XM_01702	.	.	NP_00113	XP_016881	protein_co	ENSG0000	10848	18838
PPP1R14A	0	0	0	0	0	0	protein phosphatase 1 regulatory inhibitor subunit 14A [Source:H	chr19:3874	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	94274	14871
PPP1R14B	196.633	197.902	146.461	241.053	198.226	168.9	protein phosphatase 1 regulatory inhibitor subunit 14B [Source:H	chr11:6401	NM_13868	.	.	.	NP_61963	.	protein_co	ENSG0000	26472	9057
PPP1R14C	6.53696	7.21817	7.41859	13.4211	15.3861	11.0817	protein phosphatase 1 regulatory inhibitor subunit 14C [Source:H	chr6:15046	NM_03094	.	.	.	NP_11221	.	protein_co	ENSG0000	81706	14952
PPP1R14D	0.113234	0.423487	0	0	0	0.224638	protein phosphatase 1 regulatory inhibitor subunit 14D [Source:H	chr15:4110	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	54866	14953
PPP1R15A	30.6357	31.4596	13.7038	24.4182	22.0292	33.5786	protein phosphatase 1 regulatory subunit 15A [Source:HGNC Sym	chr19:4937	NM_01433	.	.	.	NP_05514	.	protein_co	ENSG0000	23645	14375
PPP1R15B	26.9316	31.0217	27.6705	29.5631	31.9784	41.4766	protein phosphatase 1 regulatory subunit 15B [Source:HGNC Sym	chr1:20437	NM_03283	.	.	.	NP_11622	.	protein_co	ENSG0000	84919	14951
PPP1R16A	34.1995	34.4307	32.1031	34.7068	30.1854	26.4139	protein phosphatase 1 regulatory subunit 16A [Source:HGNC Sym	chr8:14571	NM_00132	XM_01701	.	.	NP_00131	XP_005272	protein_co	ENSG0000	84988	14941
PPP1R16B	0.046562	0.011832	0.020146	0	0.026541	0.02464	protein phosphatase 1 regulatory subunit 16B [Source:HGNC Sym	chr20:3743	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	26051	15850
PPP1R17	0	0	0	0	0	0	protein phosphatase 1 regulatory subunit 17 [Source:HGNC Symb	chr7:31726	NM_00114	XM_01151	.	.	NP_00113	XP_011513	protein_co	ENSG0000	10842	16973
PPP1R18	19.6431	19.3547	18.3779	23.3156	22.3272	19.1017	protein phosphatase 1 regulatory subunit 18 [Source:HGNC Symb	chr6:30644	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	170954	29413
PPP1R1A	0.926282	0.850189	1.38328	0.525191	0.463999	0.355205	protein phosphatase 1 regulatory inhibitor subunit 1A [Source:HG	chr12:5494	NM_00674	XM_00526	.	.	NP_00673	XP_005269	protein_co	ENSG0000	5502	9286
PPP1R1B	0.093924	0.062003	0.164658	0	0.053887	0.102009	protein phosphatase 1 regulatory inhibitor subunit 1B [Source:HG	chr17:3778	NM_00124	XM_01702	.	.	NP_00122	XP_006722	protein_co	ENSG0000	84152	9287
PPP1R1C	4.15856	4.66931	4.99242	5.89105	6.26699	6.35702	protein phosphatase 1 regulatory inhibitor subunit 1C [Source:HG	chr2:18285	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	151242	14940
PPP1R2	12.089	12.3979	12.8024	12.9561	11.885	16.6634	protein phosphatase 1 regulatory inhibitor subunit 2 [Source:HGN	chr3:19524	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	5504	9288
PPP1R21	6.37048	5.93509	7.04331	5.33038	5.83128	6.95437	protein phosphatase 1 regulatory subunit 21 [Source:HGNC Symb	chr2:48667	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	129285	30595
PPP1R26	10.2894	12.1992	11.6077	9.95988	10.473	9.38519	protein phosphatase 1 regulatory subunit 26 [Source:HGNC Symb	chr9:13837	NM_01481	XM_01701	.	.	NP_05562	XP_005263	protein_co	ENSG0000	9858	29089
PPP1R27	0.128429	0	0.329426	0.27409	0.45079	0	protein phosphatase 1 regulatory subunit 27 [Source:HGNC Symb	chr17:7979	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	116729	16813
PPP1R2P3	2.08098	1.92677	2.43392	2.05519	2.44116	1.74785	protein phosphatase 1 regulatory inhibitor subunit 2 pseudogene	chr5:15627	.	.	.	.	.	.	protein_co	ENSG0000	.	16318
PPP1R2P9	0	0	0	0	0	0	protein phosphatase 1 regulatory inhibitor subunit 2 pseudogene	chrX:42636	.	.	.	.	.	.	protein_co	ENSG0000	.	16324
PPP1R32	2.00345	1.78611	1.96533	1.54029	1.34613	1.85649	protein phosphatase 1 regulatory subunit 32 [Source:HGNC Symb	chr11:6124	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	220004	28869
PPP1R35	35.1017	38.6299	35.0322	44.0921	37.0183	36.2149	protein phosphatase 1 regulatory subunit 35 [Source:HGNC Symb	chr7:10003	NM_14503	.	.	.	NP_65946	.	protein_co	ENSG0000	221908	28320
PPP1R36	0.152768	0.160592	0.044435	0.057288	0	0	protein phosphatase 1 regulatory subunit 36 [Source:HGNC Symb	chr14:6501	NM_17236	XM_01153	.	.	NP_75895	XP_005267	protein_co	ENSG0000	145376	20097
PPP1R37	11.9768	11.6618	11.6788	10.1331	9.36477	10.1405	protein phosphatase 1 regulatory subunit 37 [Source:HGNC Symb	chr19:4559	NM_01912	XM_00672	.	.	NP_06199	XP_006723	protein_co	ENSG0000	284352	27607
PPP1R3A	0	0	0	0	0	0	protein phosphatase 1 regulatory subunit 3A [Source:HGNC Symb	chr7:11351	NM_00271	XM_00525	.	.	NP_00270	XP_005250	protein_co	ENSG0000	5506	9291
PPP1R3B	3.70033	3.89933	5.16118	3.18223	4.29861	4.79789	protein phosphatase 1 regulatory subunit 3B [Source:HGNC Symb	chr8:89937	NM_00120	XM_01701	.	.	NP_00118	XP_006716	protein_co	ENSG0000	79660	14942
PPP1R3C	0	0	0	0	0	0.029651	protein phosphatase 1 regulatory subunit 3C [Source:HGNC Symb	chr10:9338	NM_00539	.	.	.	NP_00538	.	protein_co	ENSG0000	5507	9293
PPP1R3D	2.36816	3.09554	2.24287	1.63261	1.69542	2.96821	protein phosphatase 1 regulatory subunit 3D [Source:HGNC Symb	chr20:5850	NM_00624	.	.	.	NP_00623	.	protein_co	ENSG0000	5509	9294
PPP1R3E	0.824374	0.845289	0.808549	0.705575	0.466212	0.582159	protein phosphatase 1 regulatory subunit 3E [Source:HGNC Symb	chr14:2365	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	90673	14943
PPP1R3F	0.285033	0.468209	0.430748	0.357004	0.291295	0.474179	protein phosphatase 1 regulatory subunit 3F [Source:HGNC Symb	chrX:49126	NM_00118	XM_00527	.	.	NP_00117	XP_005272	protein_co	ENSG0000	89801	14944
PPP1R3G	0.090023	0.045062	0.057487	0.049259	0	0.047556	protein phosphatase 1 regulatory subunit 3G [Source:HGNC Symb	chr6:50848	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	648791	14945
PPP1R42	0	0	0	0	0	0	protein phosphatase 1 regulatory subunit 42 [Source:HGNC Symb	chr8:67876	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	286187	33732
PPP1R7	27.3919	25.4709	24.1623	29.3205	28.7874	26.2935	protein phosphatase 1 regulatory subunit 7 [Source:HGNC Symbo	chr2:24204	NM_00128	XM_01151	.	.	NP_00126	XP_011509	protein_co	ENSG0000	5510	9295
PPP1R8	36.7844	35.3481	34.4203	42.5883	44.0848	38.302	protein phosphatase 1 regulatory subunit 8 [Source:HGNC Symbo	chr1:28157	NM_00271	.	.	.	NP_00270	XP_016857	protein_co	ENSG0000	5511	9296

PPP1R9A	3.11249	3.41221	3.54816	2.0186	2.48306	2.78223	protein phosphatase 1 regulatory subunit 9A [Source:HGNC Symb	chr7:94536	NM_00116	XM_01701	.	.	NP_001159	XP_011514	protein_co	ENSG00000	55607	14946
PPP1R9B	40.3231	41.5137	43.3608	50.4149	46.8541	41.7277	protein phosphatase 1 regulatory subunit 9B [Source:HGNC Symb	chr17:4821	NM_03259	XM_01152	.	.	NP_115984	.	protein_co	ENSG00000	84687	9298
PPP2CA	49.5553	50.0065	45.0053	53.0886	59.6346	61.2643	protein phosphatase 2 catalytic subunit alpha [Source:HGNC Sym	chr5:13348	NM_00271	.	.	.	NP_002706	.	protein_co	ENSG00000	5515	9299
PPP2CB	46.7805	45.0643	41.2857	52.6077	58.3005	47.8444	protein phosphatase 2 catalytic subunit beta [Source:HGNC Symb	chr8:30643	NM_00100	.	.	.	NP_001009	.	protein_co	ENSG00000	5516	9300
PPP2R1A	93.2401	94.0693	83.4488	114.444	93.2726	83.4713	protein phosphatase 2 scaffold subunit Aalpha [Source:HGNC Syn	chr19:5269	NM_01422	XM_01702	.	.	NP_055040	XP_016882	protein_co	ENSG00000	5518	9302
PPP2R1B	12.4276	13.1855	14.0444	15.4534	16.6652	12.8229	protein phosphatase 2 scaffold subunit Abeta [Source:HGNC Sym	chr11:1114	NM_00117	XM_01701	.	.	NP_001171	XP_016873	protein_co	ENSG00000	5519	9303
PPP2R2A	35.6454	35.7292	41.9262	36.6232	43.2196	43.3902	protein phosphatase 2 regulatory subunit Balpha [Source:HGNC S	chr8:26149	NM_00117	XM_01154	.	.	NP_001171	XP_005273	protein_co	ENSG00000	5520	9304
PPP2R2B	0	0	0	0	0.038442	0	protein phosphatase 2 regulatory subunit Bbeta [Source:HGNC Sy	chr5:14596	NM_00127	.	NR_07352	.	NP_001258	.	protein_co	ENSG00000	5521	9305
PPP2R2C	13.8962	14.3811	13.3185	14.1322	15.4358	12.0132	protein phosphatase 2 regulatory subunit Bgamma [Source:HGNC	chr4:63223	NM_00120	XM_01151	.	.	NP_001193	XP_011511	protein_co	ENSG00000	5522	9306
PPP2R2D	10.6247	10.2186	9.68352	12.8517	12.2477	8.80242	protein phosphatase 2 regulatory subunit Bdelta [Source:HGNC S	chr10:1337	NM_00129	.	.	.	NP_001278	.	protein_co	ENSG00000	55844	23732
PPP2R3A	1.65293	1.76526	2.44814	1.90864	2.96507	2.93546	protein phosphatase 2 regulatory subunit B''alpha [Source:HGNC	chr3:13568	NM_00119	XM_01151	.	.	NP_001177	XP_006713	protein_co	ENSG00000	5523	9307
PPP2R3B	1.21474	0.818712	1.55794	0.946831	1.04783	0.95698	protein phosphatase 2 regulatory subunit B''beta [Source:HGNC S	chrX:29469	NM_01323	XM_01154	.	.	NP_037371	XP_011543	protein_co	ENSG00000	28227	13417
PPP2R3C	5.47047	5.37935	5.93559	4.29999	6.35093	10.5725	protein phosphatase 2 regulatory subunit B''gamma [Source:HGN	chr14:3555	NM_00130	XM_00526	.	.	NP_001292	XP_005267	protein_co	ENSG00000	55012	17485
PPP2R5A	16.306	17.6995	21.652	18.8467	22.3665	28.265	protein phosphatase 2 regulatory subunit B'alpha [Source:HGNC S	chr1:21245	NM_00119	.	.	.	NP_001186	.	protein_co	ENSG00000	5525	9309
PPP2R5B	5.17414	5.65632	6.67559	4.66432	3.97491	4.27066	protein phosphatase 2 regulatory subunit B'beta [Source:HGNC S	chr11:6469	NM_00624	XM_01154	.	.	NP_006235	XP_011543	protein_co	ENSG00000	5526	9310
PPP2R5C	43.0783	43.3426	43.5005	48.9775	50.7974	57.8913	protein phosphatase 2 regulatory subunit B'gamma [Source:HGN	chr14:1022	NM_00116	XM_01153	.	.	NP_001155	XP_005267	protein_co	ENSG00000	5527	9311
PPP2R5D	29.7347	29.2034	28.2724	37.9133	32.3196	29.2011	protein phosphatase 2 regulatory subunit B'delta [Source:HGNC S	chr6:42952	NM_00127	.	.	.	NP_001257	.	protein_co	ENSG00000	5528	9312
PPP2R5E	13.2645	12.8134	12.7685	13.2452	17.8613	16.5465	protein phosphatase 2 regulatory subunit B'epsilon [Source:HGN	chr14:6383	NM_00128	XM_01153	.	.	NP_001269	XP_011535	protein_co	ENSG00000	5529	9313
PPP3CA	32.6581	34.8179	35.9984	36.176	37.2264	42.0917	protein phosphatase 3 catalytic subunit alpha [Source:HGNC Sym	chr4:10194	NM_00094	.	.	.	NP_000935	XP_016863	protein_co	ENSG00000	5530	9314
PPP3CB	10.6335	11.3495	14.3394	12.7358	13.154	20.641	protein phosphatase 3 catalytic subunit beta [Source:HGNC Symb	chr10:7519	NM_00114	XM_01153	.	.	NP_001135	XP_005270	protein_co	ENSG00000	5532	9315
PPP3CC	5.25212	6.22923	5.66209	5.63881	6.3509	6.00982	protein phosphatase 3 catalytic subunit gamma [Source:HGNC Sy	chr8:22298	NM_00124	XM_00527	.	.	NP_001230	.	protein_co	ENSG00000	5533	9316
PPP3R1	29.0072	32.1747	28.827	30.8852	35.0686	41.5286	protein phosphatase 3 regulatory subunit B, alpha [Source:HGNC	chr2:68405	NM_00094	.	.	.	NP_000936	.	protein_co	ENSG00000	5534	9317
PPP3R2	0	0	0	0	0	0	protein phosphatase 3 regulatory subunit B, beta [Source:HGNC S	chr9:10433	NM_14718	.	.	.	NP_671709	.	protein_co	ENSG00000	5535	9318
PPP4C	89.0873	89.9765	85.2978	111.516	87.3538	80.8474	protein phosphatase 4 catalytic subunit [Source:HGNC Symbol;Ac	chr16:3008	NM_00130	XM_01702	.	.	NP_001290	XP_006721	protein_co	ENSG00000	5531	9319
PPP4R1	23.1138	21.6374	20.6951	26.6029	27.0614	24.6805	protein phosphatase 4 regulatory subunit 1 [Source:HGNC Symbo	chr18:9546	NM_00104	XM_01702	.	.	NP_001035	XP_011524	protein_co	ENSG00000	9989	9320
PPP4R2	18.421	19.3715	17.9812	19.6965	22.6956	22.515	protein phosphatase 4 regulatory subunit 2 [Source:HGNC Symbo	chr3:73045	NM_00131	.	.	.	NP_001304	.	protein_co	ENSG00000	151987	18296
PPP4R3A	22.7538	23.3787	23.7681	20.604	27.1753	24.5524	protein phosphatase 4 regulatory subunit 3A [Source:HGNC Symb	chr14:9192	NM_00128	XM_00672	.	.	NP_001271	XP_005267	protein_co	ENSG00000	55671	20219
PPP4R3B	12.1408	12.2269	10.8572	10.6939	15.0928	16.8782	protein phosphatase 4 regulatory subunit 3B [Source:HGNC Symb	chr2:55774	NM_00112	XM_01700	.	.	NP_001116	XP_005264	protein_co	ENSG00000	57223	29267
PPP4R3CP	0	0	0	0	0	0	protein phosphatase 4 regulatory subunit 3C, pseudogene [Sourc	chrX:27478	.	.	.	.	.	.	protein_co	ENSG00000	.	33146
PPP4R4	1.59754	1.52469	3.2171	1.2191	2.01036	3.51577	protein phosphatase 4 regulatory subunit 4 [Source:HGNC Symbo	chr14:9464	NM_02095	XM_01153	.	.	NP_066009	XP_005267	protein_co	ENSG00000	57718	23788
PPP5C	49.7467	54.1262	42.6525	67.3048	54.5836	44.7931	protein phosphatase 5 catalytic subunit [Source:HGNC Symbol;Ac	chr19:4685	NM_00120	.	.	.	NP_001191	.	protein_co	ENSG00000	5536	9322
PPP5D1	0.494371	0.271161	0.164996	0.166966	0.086953	0.15972	PPP5 tetratricopeptide repeat domain containing 1 [Source:HGNC	chr19:4702	NM_00120	XM_00672	.	.	NP_001192	XP_005258	protein_co	ENSG00000	100506012	44209
PPP6C	17.6213	16.1815	18.1914	18.3597	22.0401	20.7403	protein phosphatase 6 catalytic subunit [Source:HGNC Symbol;Ac	chr9:12790	NM_00112	XM_01151	.	.	NP_001116	XP_011517	protein_co	ENSG00000	5537	9323
PPP6R1	34.2522	34.9753	29.6347	35.2752	31.342	26.1839	protein phosphatase 6 regulatory subunit 1 [Source:HGNC Symbo	chr19:5573	NM_01493	.	.	.	NP_055746	.	protein_co	ENSG00000	22870	29195
PPP6R2	16.0649	17.0862	19.7455	15.8476	14.01	16.1427	protein phosphatase 6 regulatory subunit 2 [Source:HGNC Symbo	chr22:5078	NM_00124	XM_01702	.	.	NP_001229	XP_005262	protein_co	ENSG00000	9701	19253
PPP6R3	25.1328	25.189	24.8101	25.6999	27.3738	30.6379	protein phosphatase 6 regulatory subunit 3 [Source:HGNC Symbo	chr11:6822	NM_00116	XM_01701	.	.	NP_001157	XP_006718	protein_co	ENSG00000	55291	1173
PPRC1	35.2973	36.2064	32.8157	43.6681	39.2416	27.1908	peroxisome proliferator-activated receptor gamma, coactivator-r	chr10:1038	NM_00128	XM_01701	.	.	NP_001275	XP_005269	protein_co	ENSG00000	23082	30025
PPT1	32.3414	31.0296	28.2524	32.047	34.1509	31.655	palmitoyl-protein thioesterase 1 [Source:HGNC Symbol;Acc:HGNC	chr1:40538	NM_00031	XM_00527	.	.	NP_000301	XP_005271	protein_co	ENSG00000	5538	9325
PPT2	8.93746	8.90721	10.0716	7.08603	5.85617	4.08279	palmitoyl-protein thioesterase 2 [Source:HGNC Symbol;Acc:HGNC	chr6:32121	NM_00120	.	.	.	.	.	protein_co	ENSG00000	9374	9326
PPTC7	13.26	14.6677	12.624	14.1016	16.511	14.824	PTC7 protein phosphatase homolog [Source:HGNC Symbol;Acc:H	chr12:1109	NM_13928	.	.	.	NP_644812	.	protein_co	ENSG00000	160760	30695
PPWD1	13.2361	13.8662	13.3284	11.0408	14.5445	9.4156	peptidylprolyl isomerase domain and WD repeat containing 1 [So	chr5:64859	NM_00127	XM_00671	.	.	NP_001265	XP_006714	protein_co	ENSG00000	23398	28954
PPY	0	0	0.163586	0	0.306707	0.285438	pancreatic polypeptide [Source:HGNC Symbol;Acc:HGNC:9327]	chr17:4201	NM_00131	.	.	.	NP_001306	XP_011523	protein_co	ENSG00000	5539	9327
PQBP1	35.5051	33.0364	28.2265	37.8988	33.5182	23.2409	polyglutamine binding protein 1 [Source:HGNC Symbol;Acc:HGNC	chrX:48750	NM_00103	XM_01702	.	.	NP_001027	XP_005272	protein_co	ENSG00000	10084	9330
PQLC1	31.0554	29.4245	28.7921	36.2634	29.2747	26.6832	PQ loop repeat containing 1 [Source:HGNC Symbol;Acc:HGNC:26	chr18:7766	NM_00114	XM_01152	.	.	NP_001139	XP_005266	protein_co	ENSG00000	80148	26188
PQLC2	8.2477	8.6553	7.71384	8.98148	6.09178	5.64975	PQ loop repeat containing 2 [Source:HGNC Symbol;Acc:HGNC:26	chr1:19638	NM_00104	XM_00671	.	.	NP_001035	XP_005245	protein_co	ENSG00000	54896	26001
PQLC2L	0.121839	0.090009	0.939948	1.76956	0.612352	0.860929	PQ loop repeat containing 2 like [Source:HGNC Symbol;Acc:HGNC	chr3:15726	NM_00109	.	.	.	NP_001093	.	protein_co	ENSG00000	152078	25146
PQLC3	14.598	11.5002	16.5432	12.073	12.938	19.109	PQ loop repeat containing 3 [Source:HGNC Symbol;Acc:HGNC:28	chr2:11295	NM_00128	XM_01151	.	.	NP_001269	XP_011508	protein_co	ENSG00000	130814	28503
PRAC1	0	0	0	0	0	0	prostate cancer susceptibility candidate 1 [Source:HGNC Symbol;	chr17:4679	NM_03239	.	.	.	NP_115767	.	protein_co	ENSG00000	84366	30591
PRAC2	0	0	0	0	0	0	prostate cancer susceptibility candidate 2 [Source:HGNC Symbol;	chr17:4680	NM_00128	XM_01152	.	.	NP_001269	XP_006721	protein_co	ENSG00000	360205	30143
PRADC1	8.08065	10.743	10.0434	10.1904	9.34206	10.5391	protease associated domain containing 1 [Source:HGNC Symbol;A	chr2:73455	NM_03231	.	.	.	NP_115695	.	protein_co	ENSG00000	84279	16047
PRAF2	20.0032	18.7345	18.9559	15.6963	9.31887	13.645	PRA1 domain family member 2 [Source:HGNC Symbol;Acc:HGNC:	chrX:48928	NM_00721	.	.	.	NP_009144	.	protein_co	ENSG00000	11230	28911
PRAM1	0.210576	0.088213	0.181987	0	0.139652	0.135062	PML-RARA regulated adaptor molecule 1 [Source:HGNC Symbol;A	chr19:8554	NM_03215	XM_00527	.	.	NP_115528	XP_005272	protein_co	ENSG00000	84106	30091
PRAME	32.2605	29.632	30.8759	32.6728	30.728	25.4878	preferentially expressed antigen in melanoma [Source:HGNC Sym	chr22:2289	NM_00129	.	.	.	NP_001278	XP_011528	protein_co	ENSG00000	23532	9336
PRAMEF1	0.034028	0	0	0	0	0	PRAME family member 1 [Source:HGNC Symbol;Acc:HGNC:28840	chr1:12851	NM_00129	.	.	.	NP_001278	.	protein_co	ENSG00000	400736	28840
PRAMEF10	0	0	0	0	0	0	PRAME family member 10 [Source:HGNC Symbol;Acc:HGNC:2799	chr1:12952	NM_00103	.	.	.	NP_001034	.	protein_co	ENSG00000	343071	27997
PRAMEF11	0	0	0	0	0	0	PRAME family member 11 [Source:HGNC Symbol;Acc:HGNC:1408	chr1:12884	NM_00114	XM_01154	.	.	NP_001139	XP_011539	protein_co	ENSG00000	440560	14086
PRAMEF12	0	0	0	0	0	0	PRAME family member 12 [Source:HGNC Symbol;Acc:HGNC:2212	chr1:12834	NM_00108	XM_01154	.	.	NP_001074	XP_011539	protein_co	ENSG00000	390999	22125
PRAMEF14	0	0	0	0	0	0	PRAME family member 14 [Source:HGNC Symbol;Acc:HGNC:1357	chr1:13668	NM_00102	.	.	.	NP_001019	.	protein_co	ENSG00000	729528	13576
PRAMEF15	0	0	0	0	0	0	PRAME family member 15 [Source:HGNC Symbol;Acc:HGNC:2676	chr1:13641	NM_00109	.	.	.	NP_001091	.	protein_co	ENSG00000	653619	26764

PRAMEF16	0	0	0	0	0	0	PRAME family member 16 [Source:HGNC Symbol;Acc:25767]	chr1:13495	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	654348	25767
PRAMEF17	0	0	0	0	0	0	PRAME family member 17 [Source:HGNC Symbol;Acc:HGNC:2948	chr1:13716	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	391004	29485
PRAMEF18	0	0	0	0	0	0	PRAME family member 18 [Source:HGNC Symbol;Acc:HGNC:3069	chr1:13474	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	391003	30693
PRAMEF19	0	0	0	0	0	0	PRAME family member 19 [Source:HGNC Symbol;Acc:HGNC:2490	chr1:13695	.	.	.	.	.	.	protein_co	ENSG0000	.	24908
PRAMEF2	0	0	0	0	0	0	PRAME family member 2 [Source:HGNC Symbol;Acc:HGNC:28841	chr1:12916	NM_02301	.	.	.	NP_07539	.	protein_co	ENSG0000	65122	28841
PRAMEF20	0	0	0	0	0	0	PRAME family member 20 [Source:HGNC Symbol;Acc:HGNC:2522	chr1:13736	NM_00109	XM_01154	.	.	NP_00109	XP_01154	protein_co	ENSG0000	645425	25224
PRAMEF21	0	0	0	0	0	0	PRAME family member 21 [Source:HGNC Symbol;Acc:22405]	chr1:13516	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	391001	22405
PRAMEF22	0	0	0	0	0	0	PRAME family member 22 [Source:HGNC Symbol;Acc:HGNC:3439	chr1:13035	.	.	.	.	.	.	unprocesse	ENSG0000	.	34393
PRAMEF26	0	0	0	0	0	0	PRAME family member 25 [Source:HGNC Symbol;Acc:HGNC:4917	chr1:13216	.	XM_00671	.	.	.	XP_006711	protein_co	ENSG0000	441873	49179
PRAMEF3	0	0	0	0	0	0	PRAME family member 3 [Source:HGNC Symbol;Acc:14087]	chr1:13328	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	401940	14087
PRAMEF4	0	0	0	0	0	0	PRAME family member 4 [Source:HGNC Symbol;Acc:HGNC:31971	chr1:12939	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	400735	31971
PRAMEF5	0	0	0	0	0	0	PRAME family member 5 [Source:HGNC Symbol;Acc:HGNC:27995	chr1:13359	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	343068	27995
PRAMEF6	0	0	0	0	0	0	PRAME family member 6 [Source:HGNC Symbol;Acc:HGNC:30583	chr1:12998	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	440561	30583
PRAMEF7	0	0	0	0	0	0	PRAME family member 7 [Source:HGNC Symbol;Acc:HGNC:28415	chr1:12976	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	441871	28415
PRAMEF8	0	0	0	0	0	0	PRAME family member 8 [Source:HGNC Symbol;Acc:HGNC:24074	chr1:13386	NM_00101	XM_01700	.	.	NP_00101	XP_01685	protein_co	ENSG0000	391002	24074
PRAMEF9	0	0	0	0	0	0	PRAME family member 15 [Source:HGNC Symbol;Acc:HGNC:2676	chr1:13421	NM_00101	.	.	.	NP_00109	.	protein_co	ENSG0000	653619	26764
PRAP1	0.132131	0	2.34E-53	0	0	0.148477	proline rich acidic protein 1 [Source:HGNC Symbol;Acc:HGNC:233	chr10:1350	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	118471	23304
PRB1	0	0	0	0	0	0	proline rich protein BstNI subfamily 1 [Source:HGNC Symbol;Acc:	chr12:1150	NM_00503	.	.	.	NP_00503	.	protein_co	ENSG0000	5542	9337
PRB2	0	0	0	0	0	0	proline rich protein BstNI subfamily 2 [Source:HGNC Symbol;Acc:	chr12:1150	NM_00624	.	.	.	NP_00623	.	protein_co	ENSG0000	653247	9338
PRB3	0.163853	0.244777	0.044354	0.052716	0.113181	0	proline rich protein BstNI subfamily 3 [Source:HGNC Symbol;Acc:	chr12:1141	NM_00624	.	.	.	NP_00624	.	protein_co	ENSG0000	5544	9339
PRB4	0	0	0	0	0	0	proline rich protein BstNI subfamily 4 [Source:HGNC Symbol;Acc:	chr12:1146	NM_00126	.	.	.	NP_00124	.	protein_co	ENSG0000	5545	9340
PRC1	58.7132	59.2213	53.4775	80.3619	83.06	67.7961	protein regulator of cytokinesis 1 [Source:HGNC Symbol;Acc:HGN	chr15:9150	NM_00126	XM_01702	.	.	NP_00125	XP_00525	protein_co	ENSG0000	9055	9341
PRCC	30.778	31.0951	27.2022	33.2151	30.4943	27.1803	papillary renal cell carcinoma (translocation-associated) [Source:I	chr1:15673	NM_00597	XM_00524	.	.	NP_00596	XP_00524	protein_co	ENSG0000	5546	9343
PRCD	0	0	0	0	0	0	progressive rod-cone degeneration [Source:HGNC Symbol;Acc:HG	chr17:7452	NM_00107	.	.	.	NP_00107	XP_01688	protein_co	ENSG0000	768206	32528
PRCP	40.4162	38.3768	45.2371	41.4786	36.0263	44.0555	prolylcarboxypeptidase [Source:HGNC Symbol;Acc:HGNC:9344]	chr11:8253	NM_00504	.	.	.	NP_00503	.	protein_co	ENSG0000	5547	9344
PRDM1	0.385804	0.292714	0.544286	0.602952	0.624526	1.03867	PR/SET domain 1 [Source:HGNC Symbol;Acc:HGNC:9346]	chr6:10649	NM_00119	XM_01701	.	.	NP_00118	XP_01153	protein_co	ENSG0000	639	9346
PRDM10	2.51709	2.4553	2.30486	2.3946	2.43639	2.33315	PR/SET domain 10 [Source:HGNC Symbol;Acc:HGNC:13995]	chr11:1297	NM_02022	XM_01154	.	.	NP_06461	XP_01154	protein_co	ENSG0000	56980	13995
PRDM11	0.942292	0.722971	0.69158	0.898413	0.556348	0.617153	PR/SET domain 11 [Source:HGNC Symbol;Acc:HGNC:13996]	chr11:4511	NM_00125	XM_01152	.	.	NP_00124	XP_01151	protein_co	ENSG0000	56981	13996
PRDM12	0.322975	0.35234	0.103487	0.472705	0.379226	0.271619	PR/SET domain 12 [Source:HGNC Symbol;Acc:HGNC:13997]	chr9:13353	NM_02161	.	.	.	NP_06763	.	protein_co	ENSG0000	59335	13997
PRDM13	0	0	0	0	0	0	PR/SET domain 13 [Source:HGNC Symbol;Acc:HGNC:13998]	chr6:10000	NM_02162	.	.	.	NP_06763	.	protein_co	ENSG0000	59336	13998
PRDM14	0	0	0	0	0	0	PR/SET domain 14 [Source:HGNC Symbol;Acc:HGNC:14001]	chr8:70963	NM_02450	.	.	.	NP_07878	.	protein_co	ENSG0000	63978	14001
PRDM15	2.89373	2.61432	3.14335	3.13203	3.08779	2.68007	PR/SET domain 15 [Source:HGNC Symbol;Acc:HGNC:13999]	chr21:4321	NM_00104	XM_01702	.	.	NP_00103	XP_00672	protein_co	ENSG0000	63977	13999
PRDM16	1.35408	1.586	1.88936	1.59949	1.38811	1.6231	PR/SET domain 16 [Source:HGNC Symbol;Acc:HGNC:14000]	chr1:29857	NM_02211	XM_01154	.	.	NP_07139	XP_00524	protein_co	ENSG0000	63976	14000
PRDM2	4.69733	4.6407	4.64677	3.94279	4.78085	4.88177	PR/SET domain 2 [Source:HGNC Symbol;Acc:HGNC:9347]	chr1:14026	NM_00100	XM_01700	.	.	NP_00100	XP_00524	protein_co	ENSG0000	7799	9347
PRDM4	19.6165	19.5194	15.508	17.7922	19.1716	15.679	PR/SET domain 4 [Source:HGNC Symbol;Acc:HGNC:9348]	chr12:1081	NM_01240	XM_01153	.	.	NP_03653	XP_00526	protein_co	ENSG0000	11108	9348
PRDM5	1.26141	1.52346	1.09885	1.16617	1.03079	1.13925	PR/SET domain 5 [Source:HGNC Symbol;Acc:HGNC:9349]	chr4:12161	NM_00130	XM_01153	.	.	NP_00128	XP_01152	protein_co	ENSG0000	11107	9349
PRDM6	0.127511	0.104441	0.076353	0.134053	0.076165	0.076886	PR/SET domain 6 [Source:HGNC Symbol;Acc:HGNC:9350]	chr5:12242	NM_00113	XM_01154	.	.	NP_00112	XP_00527	protein_co	ENSG0000	93166	9350
PRDM7	0.052381	0	0.046332	0.057647	0.059316	0.027178	PR/SET domain 7 [Source:HGNC Symbol;Acc:HGNC:9351]	chr16:9012	NM_00109	XM_01152	.	.	NP_00109	XP_00525	protein_co	ENSG0000	11105	9351
PRDM8	0.317169	0.583266	0.416854	0.46328	0.369516	0.448459	PR/SET domain 8 [Source:HGNC Symbol;Acc:HGNC:13993]	chr4:81105	NM_00109	XM_00526	.	.	NP_00109	XP_00526	protein_co	ENSG0000	56978	13993
PRDM9	0	0	0	0	0	0.015781	PR/SET domain 9 [Source:HGNC Symbol;Acc:HGNC:13994]	chr5:23507	NM_02022	.	.	.	NP_00129	.	protein_co	ENSG0000	56979	13994
PRDX1	1332.59	1245.83	1106.17	1473.15	1313.95	1389.42	peroxiredoxin 1 [Source:HGNC Symbol;Acc:HGNC:9352]	chr1:45965	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	5052	9352
PRDX2	273.076	275.938	262.771	314.399	249.161	187.99	peroxiredoxin 2 [Source:HGNC Symbol;Acc:HGNC:9353]	chr19:1290	NM_00580	.	.	.	NP_00580	.	protein_co	ENSG0000	7001	9353
PRDX3	215.775	219.449	232.223	274.457	281.48	282.771	peroxiredoxin 3 [Source:HGNC Symbol;Acc:HGNC:9354]	chr10:1209	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	10935	9354
PRDX4	126.411	122.191	106.437	148.396	121.382	130.25	peroxiredoxin 4 [Source:HGNC Symbol;Acc:HGNC:17169]	chrX:23685	NM_00640	.	.	.	NP_00639	.	protein_co	ENSG0000	10549	17169
PRDX5	319.466	304.97	307.281	342.798	258.428	370.617	peroxiredoxin 5 [Source:HGNC Symbol;Acc:HGNC:9355]	chr11:6408	NM_01209	XM_00527	.	.	NP_03622	XP_00527	protein_co	ENSG0000	25824	9355
PRDX6	181.369	185.943	186.641	213.872	187.825	183.982	peroxiredoxin 6 [Source:HGNC Symbol;Acc:HGNC:16753]	chr1:17344	NM_00490	.	.	.	NP_00489	.	protein_co	ENSG0000	9588	16753
PREB	48.6265	48.3534	47.4697	53.6955	46.153	36.6682	prolactin regulatory element binding [Source:HGNC Symbol;Acc:H	chr2:27346	NM_01338	XM_01153	.	.	NP_03752	XP_00671	protein_co	ENSG0000	10113	9356
PRED57	0	0	0	0	0	0	HCG401283; PRED57 protein; Uncharacterized protein [Source:U	chr21:4649	.	.	.	.	.	.	protein_co	ENSG0000	.	.
PRED60	0	0	0	0	0	0	.	chr21:4706	.	.	.	.	.	.	protein_co	ENSG0000	.	.
PRED62	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R1E	chr21:4706	.	.	.	.	.	.	protein_co	ENSG0000	.	.
PRELID1	198.65	193.953	157.215	252.012	188.883	165.018	PRELI domain containing 1 [Source:HGNC Symbol;Acc:HGNC:3025	chr5:17673	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	27166	30255
PRELID2	3.90996	4.81385	4.74398	6.60891	7.39062	7.26068	PRELI domain containing 2 [Source:HGNC Symbol;Acc:HGNC:2830	chr5:14513	NM_13849	XM_01153	.	.	NP_61250	XP_01153	protein_co	ENSG0000	153768	28306
PRELID3A	5.69879	4.19202	5.26908	4.86097	3.75435	5.61302	PRELI domain containing 3A [Source:HGNC Symbol;Acc:HGNC:24	chr18:1240	NM_00114	XM_01152	.	.	NP_00113	XP_01152	protein_co	ENSG0000	10650	24639
PRELID3B	67.3601	68.6187	59.7022	75.7506	72.5546	67.6082	PRELI domain containing 3B [Source:HGNC Symbol;Acc:HGNC:15	chr20:5760	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	51012	15892
PRELP	0	0	0	0	0.015517	0.028909	proline and arginine rich end leucine rich repeat protein [Source:	chr1:20344	NM_00272	.	.	.	NP_00271	.	protein_co	ENSG0000	5549	9357
PREP	25.9507	27.8895	29.0631	30.1956	27.3285	26.9641	prolyl endopeptidase [Source:HGNC Symbol;Acc:HGNC:9358]	chr6:10572	NM_00272	.	.	.	NP_00271	.	protein_co	ENSG0000	5550	9358
PREPL	17.221	16.5239	13.5135	13.4313	17.5202	21.0574	prolyl endopeptidase-like [Source:HGNC Symbol;Acc:HGNC:3022	chr2:44502	NM_00104	XM_01700	.	.	NP_00103	XP_01153	protein_co	ENSG0000	9581	30228
PREX1	1.65528	1.94032	2.62787	2.22978	1.64158	2.50421	phosphatidylinositol-3,4,5-trisphosphate dependent Rac exchang	chr20:4724	NM_02082	.	.	.	NP_06587	.	protein_co	ENSG0000	57580	32594
PREX2	0	0	0	0	0	0	phosphatidylinositol-3,4,5-trisphosphate dependent Rac exchang	chr8:68864	NM_02487	.	.	.	NP_07914	.	protein_co	ENSG0000	80243	22950

PRF1	2.24371	1.86348	4.67382	1.73534	1.67827	2.5932	perforin 1 [Source:HGNC Symbol;Acc:HGNC:9360]	chr10:7235	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	5551	9360
PRG2	0.610291	0.279108	0.633976	0.717137	0.484698	0.957135	proteoglycan 2, pro eosinophil major basic protein [Source:HGNC	chr11:5715	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	5553	9362
PRG3	0	0	0	0	0	0	proteoglycan 3, pro eosinophil major basic protein 2 [Source:HGN	chr11:5714	NM_00609	.	.	.	NP_00608	.	protein_co	ENSG0000	10394	9363
PRG4	0	0.013647	0	0	0	0	proteoglycan 4 [Source:HGNC Symbol;Acc:HGNC:9364]	chr1:18626	NM_00112	.	.	.	NP_00112	XP_016855	protein_co	ENSG0000	10216	9364
PRH1	0.502308	0.619094	0.327258	0.653745	0.571893	0.394529	proline rich protein HaeIII subfamily 1 [Source:HGNC Symbol;Acc:	chr12:1099	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	5554	9366
PRH2	0	0	0	0	0	0	proline rich protein HaeIII subfamily 2 [Source:HGNC Symbol;Acc:	chr12:1099	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	5555	9367
PRICKLE1	0.589781	0.579703	1.00354	0.520788	0.458445	0.931036	prickle planar cell polarity protein 1 [Source:HGNC Symbol;Acc:H	chr12:4263	NM_00114	XM_01701	.	.	NP_00113	XP_011536	protein_co	ENSG0000	144165	17019
PRICKLE2	0.036847	0.057481	0.136015	0.215347	0.331859	0.433309	prickle planar cell polarity protein 2 [Source:HGNC Symbol;Acc:H	chr3:64079	NM_19885	XM_01700	.	.	NP_94255	XP_011531	protein_co	ENSG0000	166336	20340
PRICKLE3	11.114	11.4915	11.16	11.2993	9.45944	6.61103	prickle planar cell polarity protein 3 [Source:HGNC Symbol;Acc:H	chrX:49031	NM_00130	XM_01154	.	.	NP_00129	XP_005272	protein_co	ENSG0000	4007	6645
PRICKLE4	1.84196	2.44663	5.48372	1.57409	1.52314	2.87067	prickle planar cell polarity protein 4 [Source:HGNC Symbol;Acc:H	chr6:41748	NM_01339	.	.	.	NP_03752	.	protein_co	ENSG0000	29964	16805
PRIM1	28.6434	24.4115	27.8366	26.5502	28.8443	34.7893	primase (DNA) subunit 1 [Source:HGNC Symbol;Acc:HGNC:9369]	chr12:5712	NM_00094	.	.	.	NP_00093	.	protein_co	ENSG0000	5557	9369
PRIM2	19.8552	19.8871	17.9774	21.7667	23.1382	19.0307	primase (DNA) subunit 2 [Source:HGNC Symbol;Acc:HGNC:9370]	chr6:57179	NM_00094	XM_01151	.	.	NP_00093	.	protein_co	ENSG0000	5558	9370
PRIMA1	1.16339	1.10334	0.961478	1.6092	1.33819	0.807389	proline rich membrane anchor 1 [Source:HGNC Symbol;Acc:HGN	chr14:9418	NM_17801	XM_01153	.	.	NP_82109	XP_011534	protein_co	ENSG0000	145270	18319
PRIMPOL	3.39595	2.5735	3.916	4.00794	3.6525	3.74492	primase and DNA directed polymerase [Source:HGNC Symbol;Acc	chr4:18557	NM_00130	XM_01700	.	.	NP_00128	XP_011530	protein_co	ENSG0000	201973	26575
PRKAA1	16.6304	15.2947	16.0919	14.0929	17.4501	16.0084	protein kinase AMP-activated catalytic subunit alpha 1 [Source:H	chr5:40759	NM_00625	XM_00671	.	.	NP_00624	XP_006714	protein_co	ENSG0000	5562	9376
PRKAA2	1.39763	1.70199	1.81793	0.491275	0.643238	0.686661	protein kinase AMP-activated catalytic subunit alpha 2 [Source:H	chr1:57110	NM_00625	XM_01700	.	.	NP_00624	XP_016857	protein_co	ENSG0000	5563	9377
PRKAB1	13.3831	13.0746	13.1928	12.4119	11.685	9.69823	protein kinase AMP-activated non-catalytic subunit beta 1 [Sourc	chr12:1201	NM_00625	XM_00525	.	.	NP_00624	XP_005253	protein_co	ENSG0000	5564	9378
PRKAB2	8.715	9.14528	10.0428	6.43542	7.77774	9.59342	protein kinase AMP-activated non-catalytic subunit beta 2 [Sourc	chr1:14662	NM_00539	XM_01150	.	.	NP_00539	XP_011508	protein_co	ENSG0000	5565	9379
PRKACA	38.3884	41.9045	48.6595	36.2901	34.131	36.8896	protein kinase cAMP-activated catalytic subunit alpha [Source:HG	chr19:1420	NM_00273	.	.	.	NP_00272	.	protein_co	ENSG0000	5566	9380
PRKACB	30.3371	30.6644	31.9579	47.983	55.0323	66.7148	protein kinase cAMP-activated catalytic subunit beta [Source:HG	chr1:84543	NM_00124	XM_01700	.	.	NP_00122	XP_005271	protein_co	ENSG0000	5567	9381
PRKACG	0	0	0	0	0	0	protein kinase cAMP-activated catalytic subunit gamma [Source:H	chr9:71627	NM_00273	.	.	.	NP_00272	.	protein_co	ENSG0000	5568	9382
PRKAG1	50.4735	44.7724	37.851	51.4087	44.9759	46.3651	protein kinase AMP-activated non-catalytic subunit gamma 1 [So	chr12:4939	NM_00120	XM_01153	.	.	NP_00119	XP_005269	protein_co	ENSG0000	5571	9385
PRKAG2	12.2496	11.8707	13.9369	10.7707	10.4645	12.1986	protein kinase AMP-activated non-catalytic subunit gamma 2 [So	chr7:15125	NM_00104	XM_01701	.	.	NP_00103	XP_005250	protein_co	ENSG0000	51422	9386
PRKAG3	0	0	0	0	0	0	protein kinase AMP-activated non-catalytic subunit gamma 3 [So	chr2:21968	NM_01743	.	.	.	NP_05912	XP_016859	protein_co	ENSG0000	53632	9387
PRKAR1A	100.185	108.589	113.01	103.532	106.22	122.06	protein kinase cAMP-dependent type I regulatory subunit alpha [	chr17:6650	NM_00127	XM_01152	.	.	NP_00126	XP_011523	protein_co	ENSG0000	5573	9388
PRKAR1B	6.13907	5.84103	5.4272	6.71294	5.71613	4.07978	protein kinase cAMP-dependent type I regulatory subunit beta [S	chr7:58883	NM_00116	XM_01151	.	.	NP_00115	XP_016867	protein_co	ENSG0000	5575	9390
PRKAR2A	14.2895	16.4985	16.478	14.7996	16.3585	14.4718	protein kinase cAMP-dependent type II regulatory subunit alpha	chr3:48784	NM_00415	XM_01153	.	.	NP_00130	XP_005265	protein_co	ENSG0000	5576	9391
PRKAR2B	5.83646	5.91329	7.41258	6.41249	6.6999	8.21163	protein kinase cAMP-dependent type II regulatory subunit beta [S	chr7:10668	NM_00273	XM_01151	.	.	NP_00272	XP_011514	protein_co	ENSG0000	5577	9392
PRKCA	3.87975	3.64193	6.45184	3.08635	3.72749	4.48889	protein kinase C alpha [Source:HGNC Symbol;Acc:HGNC:9393]	chr17:6429	NM_00273	XM_01702	.	.	NP_00272	XP_016880	protein_co	ENSG0000	5578	9393
PRKCB	0	0	0	0	0	0	protein kinase C beta [Source:HGNC Symbol;Acc:HGNC:9395]	chr16:2384	NM_00273	.	.	.	NP_00272	.	protein_co	ENSG0000	5579	9395
PRKCD	16.1308	17.2302	16.7587	19.9265	17.3482	16.9826	protein kinase C delta [Source:HGNC Symbol;Acc:HGNC:9399]	chr3:53195	NM_00625	XM_00671	.	.	NP_00130	XP_006713	protein_co	ENSG0000	5580	9399
PRKCDBP	19.9364	20.0984	13.479	26.7994	17.9196	19.6066	protein kinase C delta binding protein [Source:HGNC Symbol;Acc:	chr11:6340	NM_14504	.	.	.	NP_65947	.	protein_co	ENSG0000	112464	9400
PRKCE	1.82087	2.09157	2.13175	1.47951	1.98255	1.98971	protein kinase C epsilon [Source:HGNC Symbol;Acc:HGNC:9401]	chr2:45878	NM_00540	XM_01153	.	.	NP_00539	XP_005264	protein_co	ENSG0000	5581	9401
PRKCG	1.27631	0.994504	2.23201	1.31643	0.657119	1.03886	protein kinase C gamma [Source:HGNC Symbol;Acc:HGNC:9402]	chr19:5438	NM_00273	XM_01152	.	.	NP_00130	.	protein_co	ENSG0000	5582	9402
PRKCH	7.13925	7.93171	8.33807	7.4903	7.80255	10.7859	protein kinase C eta [Source:HGNC Symbol;Acc:HGNC:9403]	chr14:6178	NM_00625	XM_01153	.	.	NP_00624	XP_011535	protein_co	ENSG0000	5583	9403
PRKCI	7.82294	7.21899	8.30245	7.05729	8.95845	9.57136	protein kinase C iota [Source:HGNC Symbol;Acc:HGNC:9404]	chr3:16994	NM_00274	.	.	.	NP_00273	.	protein_co	ENSG0000	5584	9404
PRKCQ	1.02936	0.612564	0.724891	0.672164	0.869843	0.620655	protein kinase C theta [Source:HGNC Symbol;Acc:HGNC:9410]	chr10:6469	NM_00124	XM_01151	.	.	NP_00122	XP_005252	protein_co	ENSG0000	5588	9410
PRKCSH	86.6133	93.8403	112.749	83.0853	70.519	98.6067	protein kinase C substrate 80K-H [Source:HGNC Symbol;Acc:HGN	chr19:1153	NM_00100	XM_01702	.	.	NP_00100	XP_011526	protein_co	ENSG0000	5589	9411
PRKCZ	11.6671	13.5902	12.6533	14.0636	11.1154	10.2187	protein kinase C zeta [Source:HGNC Symbol;Acc:HGNC:9412]	chr1:20049	NM_00103	XM_01154	.	.	NP_00102	XP_011540	protein_co	ENSG0000	5590	9412
PRKD1	0.022038	0	0.05729	0	0	0	protein kinase D1 [Source:HGNC Symbol;Acc:HGNC:9407]	chr14:3004	NM_00274	XM_01153	.	.	NP_00273	XP_005267	protein_co	ENSG0000	5587	9407
PRKD2	17.7391	18.4634	17.057	22.9947	19.3068	17.6271	protein kinase D2 [Source:HGNC Symbol;Acc:HGNC:17293]	chr19:4717	NM_00107	XM_00525	.	.	NP_00107	XP_005258	protein_co	ENSG0000	25865	17293
PRKD3	4.09109	4.23948	4.13682	4.44774	5.99375	6.14666	protein kinase D3 [Source:HGNC Symbol;Acc:HGNC:9408]	chr2:37477	NM_00581	XM_01153	.	.	NP_00580	XP_005264	protein_co	ENSG0000	23683	9408
PRKDC	48.8672	52.4285	61.0158	53.0066	63.727	63.3818	protein kinase, DNA-activated, catalytic polypeptide [Source:HGN	chr8:48685	NM_00108	XM_01151	.	.	NP_00107	.	protein_co	ENSG0000	5591	9413
PRKG1	0.041173	0.090487	0.239394	0.041007	0.015002	0.091581	protein kinase, cGMP-dependent, type I [Source:HGNC Symbol;A	chr10:5275	NM_00109	XM_01701	.	.	NP_00109	XP_016871	protein_co	ENSG0000	5592	9414
PRKG2	0.669863	0.504035	0.606596	0.559259	0.759606	1.3251	protein kinase, cGMP-dependent, type II [Source:HGNC Symbol;A	chr4:82008	NM_00128	XM_01153	.	.	NP_00126	XP_005263	protein_co	ENSG0000	5593	9416
PRKRA	20.8345	20.9042	21.6707	23.3257	29.6042	28.9259	protein activator of interferon induced protein kinase EIF2AK2 [S	chr2:17929	NM_00113	XM_01151	.	.	NP_00113	XP_011510	protein_co	ENSG0000	8575	9438
PRKRIP1	10.03	9.88948	8.69214	8.98479	8.8038	7.76689	PRKR interacting protein 1 (IL11 inducible) [Source:HGNC Symbol	chr7:10200	NM_02465	.	.	.	NP_07892	.	protein_co	ENSG0000	79706	21894
PRKX	7.37373	7.2736	8.97806	6.81106	7.84216	6.91897	protein kinase, X-linked [Source:HGNC Symbol;Acc:HGNC:9441]	chrX:35224	NM_00504	XM_00527	.	.	NP_00503	XP_005274	protein_co	ENSG0000	5613	9441
PRL	0	0	0	0	0	0	prolactin [Source:HGNC Symbol;Acc:HGNC:9445]	chr6:22287	NM_00094	XM_01151	.	.	NP_00093	XP_011513	protein_co	ENSG0000	5617	9445
PRLH	0	0	0	0	0	0	prolactin releasing hormone [Source:HGNC Symbol;Acc:HGNC:17	chr2:23847	NM_01589	.	.	.	NP_05697	.	protein_co	ENSG0000	51052	17945
PRLHR	0	0	0	0	0	0	prolactin releasing hormone receptor [Source:HGNC Symbol;Acc:	chr10:1203	NM_00424	.	.	.	NP_00423	.	protein_co	ENSG0000	2834	4464
PRLR	0	0	0	0	0	0	prolactin receptor [Source:HGNC Symbol;Acc:HGNC:9446]	chr5:35048	NM_00094	XM_01700	.	.	NP_00094	XP_006714	protein_co	ENSG0000	5618	9446
PRM1	0	0	0	0	0	0	protamine 1 [Source:HGNC Symbol;Acc:HGNC:9447]	chr16:1134	NM_00276	.	.	.	NP_00275	.	protein_co	ENSG0000	5619	9447
PRM2	0	0	0	0	0	0	protamine 2 [Source:HGNC Symbol;Acc:HGNC:9448]	chr16:1134	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	5620	9448
PRM3	0	0	0	0	0	0	protamine 3 [Source:HGNC Symbol;Acc:HGNC:13732]	chr16:1134	NM_02124	.	.	.	NP_06707	.	protein_co	ENSG0000	58531	13732
PRMT1	224.941	221.001	196.577	266.536	219.532	194.551	protein arginine methyltransferase 1 [Source:HGNC Symbol;Acc:H	chr19:5017	NM_00120	XM_01152	.	.	NP_00119	XP_005258	protein_co	ENSG0000	3276	5187
PRMT2	32.7545	34.5818	31.7758	32.9542	29.0422	22.5802	protein arginine methyltransferase 2 [Source:HGNC Symbol;Acc:H	chr21:4805	NM_00124	XM_00672	.	.	NP_00122	XP_005261	protein_co	ENSG0000	3275	5186
PRMT3	12.5446	13.1523	14.8184	14.9023	15.6745	15.8042	protein arginine methyltransferase 3 [Source:HGNC Symbol;Acc:H	chr11:2040	NM_00114	XM_01151	.	.	NP_00113	XP_011518	protein_co	ENSG0000	10196	30163
PRMT5	111.891	109.609	87.5667	126.221	114.758	73.1787	protein arginine methyltransferase 5 [Source:HGNC Symbol;Acc:H	chr14:2338	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	10419	10894

PRMT6	7.19074	7.00691	7.28843	7.21801	7.47791	6.37242	protein arginine methyltransferase 6 [Source:HGNC Symbol;Acc:H	chr1:1075	NM_01813	.	.	.	NP_06060	.	protein_co	ENSG0000	55170	18241
PRMT7	10.2059	10.6791	8.65079	12.9901	9.52143	6.87654	protein arginine methyltransferase 7 [Source:HGNC Symbol;Acc:H	chr16:6834	NM_00118	XM_01152	.	.	NP_00117	XP_011521	protein_co	ENSG0000	54496	25557
PRMT8	0	0	0	0	0	0	protein arginine methyltransferase 8 [Source:HGNC Symbol;Acc:H	chr12:349	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	56341	5188
PRMT9	4.8889	3.93303	4.71041	4.4358	4.44583	4.7017	protein arginine methyltransferase 9 [Source:HGNC Symbol;Acc:H	chr4:1485	NM_00130	XM_00526	.	.	NP_00129	.	protein_co	ENSG0000	90826	25099
PRND	0	0	0	0	0	0	prion protein 2 (dublet) [Source:HGNC Symbol;Acc:HGNC:15748]	chr20:4702	NM_01240	.	.	.	NP_03654	.	protein_co	ENSG0000	23627	15748
PRNP	81.6794	81.3703	80.8093	73.4359	81.8807	110.626	prion protein [Source:HGNC Symbol;Acc:HGNC:9449]	chr20:4666	NM_00031	.	.	.	NP_00030	.	protein_co	ENSG0000	5621	9449
PRNT	0	0	0	0	0	0	prion protein (testis specific) [Source:HGNC Symbol;Acc:HGNC:18	chr20:4711	.	.	.	.	.	.	protein_co	ENSG0000	.	18046
PROB1	1.52753	1.48078	1.1178	1.92398	1.46046	1.39665	proline rich basic protein 1 [Source:HGNC Symbol;Acc:HGNC:419	chr5:1387	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	389333	41906
PROC	0	0.051819	0	0.093462	0	0	protein C, inactivator of coagulation factors Va and VIIIa [Source:	chr2:12817	NM_00031	XM_00526	.	.	NP_00030	XP_005263	protein_co	ENSG0000	5624	9451
PROCA1	0.078923	0.154606	0.132838	0.042372	0.138332	0.174683	protein interacting with cyclin A1 [Source:HGNC Symbol;Acc:HGN	chr17:270	NM_15246	XM_00672	.	.	NP_00129	XP_005257	protein_co	ENSG0000	147011	28600
PROCR	72.5443	68.1663	78.2563	87.479	76.5845	56.9493	protein C receptor [Source:HGNC Symbol;Acc:HGNC:9452]	chr20:337	NM_00640	.	.	.	NP_00639	.	protein_co	ENSG0000	10544	9452
PRODH	1.74407	1.29841	2.84101	2.42709	2.50009	1.74373	proline dehydrogenase 1 [Source:HGNC Symbol;Acc:HGNC:9453]	chr22:189	NM_00119	XM_01703	.	.	NP_00118	XP_016885	protein_co	ENSG0000	10272478	9453
PRODH2	0	0	0	0	0	0	proline dehydrogenase 2 [Source:HGNC Symbol;Acc:HGNC:17325	chr19:362	NM_02123	XM_01702	.	.	NP_06705	XP_016882	protein_co	ENSG0000	58510	17325
PROK1	0	0.06933	0	0.073908	0.077325	0	prokineticin 1 [Source:HGNC Symbol;Acc:HGNC:18454]	chr1:1109	NM_03241	.	.	.	NP_11579	.	protein_co	ENSG0000	84432	18454
PROK2	0	0	0	0	0	0	prokineticin 2 [Source:HGNC Symbol;Acc:HGNC:18455]	chr3:7182	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	60675	18455
PROKR1	0.023948	0	2.76E-08	0	0	0.018274	prokineticin receptor 1 [Source:HGNC Symbol;Acc:HGNC:4524]	chr2:6887	.	.	.	.	.	.	protein_co	ENSG0000	.	4524
PROKR2	0	0	0	0	0	0	prokineticin receptor 2 [Source:HGNC Symbol;Acc:HGNC:15836]	chr20:528	NM_14477	XM_01152	.	.	NP_65898	XP_005260	protein_co	ENSG0000	128674	15836
PROM1	6.27626	6.47059	7.52861	7.0395	8.47574	7.70446	prominin 1 [Source:HGNC Symbol;Acc:HGNC:9454]	chr4:1596	NM_00114	XM_01700	.	.	NP_00113	XP_005248	protein_co	ENSG0000	8842	9454
PROM2	1.74371	1.85569	3.56696	1.39324	1.70309	1.36958	prominin 2 [Source:HGNC Symbol;Acc:HGNC:20685]	chr2:9594	NM_00116	XM_00671	.	.	NP_00115	XP_006712	protein_co	ENSG0000	150696	20685
PROP1	0	0	0	0	0	0	PROP paired-like homeobox 1 [Source:HGNC Symbol;Acc:HGNC:9	chr5:1774	NM_00626	.	.	.	NP_00625	.	protein_co	ENSG0000	5626	9455
PRORY	0	0	0	0	0	0	proline rich, Y-linked [Source:HGNC Symbol;Acc:HGNC:38732]	chrY:23544	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	10053317	38732
PROS1	5.29315	4.94071	7.72851	6.27979	6.43212	9.90717	protein S (alpha) [Source:HGNC Symbol;Acc:HGNC:9456]	chr3:9359	NM_00031	XM_00524	.	.	NP_00030	.	protein_co	ENSG0000	5627	9456
PROSC	26.9665	26.2733	23.912	28.5544	31.5481	29.082	proline synthetase cotranscribed homolog (bacterial) [Source:HG	chr8:3762	NM_00719	.	.	.	NP_00912	.	protein_co	ENSG0000	11212	9457
PROSER1	17.0887	15.0792	16.1436	15.4879	17.6663	14.5107	proline and serine rich 1 [Source:HGNC Symbol;Acc:HGNC:20291]	chr13:395	NM_02513	XM_01153	.	.	NP_07941	XP_005266	protein_co	ENSG0000	80209	20291
PROSER2	10.8335	10.76	11.094	17.9924	13.0165	15.6918	proline and serine rich 2 [Source:HGNC Symbol;Acc:HGNC:23728]	chr10:118	NM_15325	XM_01151	.	.	NP_69498	XP_011517	protein_co	ENSG0000	254427	23728
PROSER3	4.41203	4.25507	3.75609	3.53405	3.67558	3.89797	proline and serine rich 3 [Source:HGNC Symbol;Acc:HGNC:25204]	chr19:3624	NM_00103	XM_01152	.	.	NP_00103	XP_011524	protein_co	ENSG0000	148137	25204
PROX1	0	0	0	0	0	0	prospero homeobox 1 [Source:HGNC Symbol;Acc:HGNC:9459]	chr1:2141	NM_00127	XM_01700	.	.	NP_00125	XP_005273	protein_co	ENSG0000	5629	9459
PROX2	0	0	0.01642	0	0	0	prospero homeobox 2 [Source:HGNC Symbol;Acc:HGNC:26715]	chr14:7531	NM_00108	.	.	.	NP_00107	XP_005267	protein_co	ENSG0000	283571	26715
PROZ	0	0	0	0	0	0	protein Z, vitamin K dependent plasma glycoprotein [Source:HGN	chr13:113	NM_00125	XM_01702	.	.	NP_00124	XP_016876	protein_co	ENSG0000	8858	9460
PRPF18	9.55233	8.48878	9.66147	10.129	9.90075	9.13065	pre-mRNA processing factor 18 [Source:HGNC Symbol;Acc:HGNC	chr10:1362	NM_00367	XM_01151	.	.	NP_00366	XP_011518	protein_co	ENSG0000	8559	17351
PRPF19	127.39	125.133	94.2432	150.795	129.189	80.6271	pre-mRNA processing factor 19 [Source:HGNC Symbol;Acc:HGNC	chr11:606	NM_01450	.	.	.	NP_05531	.	protein_co	ENSG0000	27339	17896
PRPF3	20.1403	20.8825	19.028	23.9077	21.2325	17.7389	pre-mRNA processing factor 3 [Source:HGNC Symbol;Acc:HGNC:1	chr1:1502	NM_00469	XM_01151	.	.	NP_00468	XP_011508	protein_co	ENSG0000	9129	17348
PRPF31	48.5645	49.5467	43.042	55.1037	47.5799	33.8448	pre-mRNA processing factor 31 [Source:HGNC Symbol;Acc:HGNC	chr19:546	NM_01562	XM_00672	.	.	NP_05644	XP_006723	protein_co	ENSG0000	26121	15446
PRPF38A	14.2479	14.2624	11.6851	14.941	14.6165	9.86006	pre-mRNA processing factor 38A [Source:HGNC Symbol;Acc:HGN	chr1:5287	NM_03286	XM_01154	.	.	NP_11625	XP_011540	protein_co	ENSG0000	84950	25930
PRPF38B	23.6676	24.9736	23.7713	21.3511	26.3382	21.0078	pre-mRNA processing factor 38B [Source:HGNC Symbol;Acc:HGN	chr1:1092	NM_01806	.	.	.	NP_06053	XP_011539	protein_co	ENSG0000	55119	25512
PRPF39	13.4898	12.6095	12.603	10.7275	15.6583	12.99	pre-mRNA processing factor 39 [Source:HGNC Symbol;Acc:HGNC	chr14:455	NM_01792	.	.	.	NP_06039	.	protein_co	ENSG0000	55015	20314
PRPF4	40.1025	39.6267	39.1153	42.6968	41.6532	29.6047	pre-mRNA processing factor 4 [Source:HGNC Symbol;Acc:HGNC:1	chr9:1160	NM_00124	XM_01151	.	.	NP_00123	.	protein_co	ENSG0000	9128	17349
PRPF40A	30.8763	29.7427	29.1161	29.8315	34.5884	31.692	pre-mRNA processing factor 40 homolog A [Source:HGNC Symbol	chr2:1535	NM_01789	XM_01151	.	.	NP_06036	XP_005246	protein_co	ENSG0000	55660	16463
PRPF40B	8.97359	8.47887	7.5502	5.12139	4.59038	4.53705	pre-mRNA processing factor 40 homolog B [Source:HGNC Symbol	chr12:5001	NM_00103	XM_01153	.	.	NP_00102	XP_006719	protein_co	ENSG0000	25766	25031
PRPF4B	22.8312	22.8133	22.6152	20.9352	26.037	17.579	pre-mRNA processing factor 4B [Source:HGNC Symbol;Acc:HGNC	chr6:4021	NM_00391	.	.	.	NP_00390	XP_016866	protein_co	ENSG0000	8899	17346
PRPF6	34.7269	36.5693	29.512	39.5602	33.6513	25.7539	pre-mRNA processing factor 6 [Source:HGNC Symbol;Acc:HGNC:1	chr20:6261	NM_01246	XM_00672	.	.	NP_03660	XP_006723	protein_co	ENSG0000	24148	15860
PRPF8	66.6739	73.3617	67.7913	73.6474	70.0695	58.9122	pre-mRNA processing factor 8 [Source:HGNC Symbol;Acc:HGNC:1	chr17:155	NM_00644	.	.	.	NP_00643	.	protein_co	ENSG0000	10594	17340
PRPH	1.04283	1.07622	1.10557	1.49701	1.08265	2.12978	peripherin [Source:HGNC Symbol;Acc:HGNC:9461]	chr12:4968	NM_00626	XM_00526	.	.	NP_00625	XP_005269	protein_co	ENSG0000	5630	9461
PRPH2	0	0	0	0	0	0	peripherin 2 [Source:HGNC Symbol;Acc:HGNC:9942]	chr6:42664	NM_00032	.	.	.	NP_00031	.	protein_co	ENSG0000	5961	9942
PRPS1	53.3848	53.3721	51.4631	69.1863	68.1163	54.0782	phosphoribosyl pyrophosphate synthetase 1 [Source:HGNC Symb	chrX:1068	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	5631	9462
PRPS1L1	0.983819	1.61072	1.36163	1.48349	2.18099	1.53045	phosphoribosyl pyrophosphate synthetase 1-like 1 [Source:HGNC	chr7:1806	NM_17588	.	.	.	NP_78708	.	protein_co	ENSG0000	221823	9463
PRPS2	28.4663	29.5768	28.9503	37.6805	36.8696	31.3824	phosphoribosyl pyrophosphate synthetase 2 [Source:HGNC Symb	chrX:1280	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	5634	9465
PRPSAP1	28.9151	28.2282	30.1084	32.7987	29.7974	26.4715	phosphoribosyl pyrophosphate synthetase associated protein 1 [	chr17:743	NM_00276	XM_01152	.	.	NP_00275	XP_011523	protein_co	ENSG0000	5635	9466
PRPSAP2	19.3664	20.6765	20.636	21.81	19.8235	21.8008	phosphoribosyl pyrophosphate synthetase associated protein 2 [	chr17:187	NM_00124	XM_01702	.	.	NP_00123	XP_005256	protein_co	ENSG0000	5636	9467
PRR11	30.0828	29.2729	26.1217	46.0082	46.6635	38.5947	proline rich 11 [Source:HGNC Symbol;Acc:HGNC:25619]	chr17:572	NM_01830	.	.	.	NP_06077	.	protein_co	ENSG0000	55771	25619
PRR12	6.99304	8.27594	6.9522	8.70209	7.53764	6.43713	proline rich 12 [Source:HGNC Symbol;Acc:HGNC:29217]	chr19:500	NM_02071	.	.	.	NP_06577	.	protein_co	ENSG0000	57479	29217
PRR13	148.268	145.021	143.47	189.345	156.654	115.721	proline rich 13 [Source:HGNC Symbol;Acc:HGNC:24528]	chr12:538	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	54458	24528
PRR14	14.6116	15.1175	14.8088	17.7958	13.4709	13.0479	proline rich 14 [Source:HGNC Symbol;Acc:HGNC:28458]	chr16:306	NM_02403	XM_00525	.	.	NP_00130	XP_005255	protein_co	ENSG0000	78994	28458
PRR14L	11.0451	11.9149	13.0946	9.57352	11.3842	12.472	proline rich 14 like [Source:HGNC Symbol;Acc:HGNC:28738]	chr22:3207	NM_17356	XM_01153	.	.	NP_77583	XP_006724	protein_co	ENSG0000	253143	28738
PRR15	1.8495	2.95438	2.64198	2.7325	2.38884	3.00957	proline rich 15 [Source:HGNC Symbol;Acc:HGNC:22310]	chr7:2960	NM_17588	XM_01701	.	.	NP_78708	XP_005249	protein_co	ENSG0000	222171	22310
PRR15L	0.091571	0.093045	0.198916	0.099818	0.103722	0	proline rich 15 like [Source:HGNC Symbol;Acc:HGNC:28149]	chr17:4602	NM_02432	XM_00525	.	.	NP_07729	XP_005257	protein_co	ENSG0000	79170	28149
PRR16	0.137036	0.26916	0.454424	0.221112	0.075544	0.345698	proline rich 16 [Source:HGNC Symbol;Acc:HGNC:29654]	chr5:1197	NM_00130	XM_01154	.	.	NP_00128	XP_005272	protein_co	ENSG0000	51334	29654
PRR18	0	0.124166	0	0	0	0	proline rich 18 [Source:HGNC Symbol;Acc:HGNC:28574]	chr6:1667	NM_17592	.	.	.	NP_78711	.	protein_co	ENSG0000	285800	28574
PRR19	1.81087	1.3384	1.03777	1.93601	2.22943	1.32277	proline rich 19 [Source:HGNC Symbol;Acc:HGNC:33728]	chr19:428	NM_19928	XM_01152	.	.	NP_95497	XP_005258	protein_co	ENSG0000	284338	33728

PRR20A	0	0	0	0	0	0	proline rich 20A [Source:HGNC Symbol;Acc:HGNC:24754]	chr13:5771	NM_19844	.	.	.	NP_94084	XP_016855	protein_co	ENSG0000	105370298	24754
PRR20B	0	0	0	0	0	0	proline rich 20B [Source:HGNC Symbol;Acc:HGNC:37220]	chr13:5771	NM_00113	.	.	.	NP_00112	XP_016855	protein_co	ENSG0000	105370298	37220
PRR20C	0	0	0	0	0	0	proline rich 20C [Source:HGNC Symbol;Acc:HGNC:37221]	chr13:5771	NM_00113	.	.	.	NP_00112	XP_016855	protein_co	ENSG0000	105370298	37221
PRR20D	0	0	0	0	0	0	proline rich 20D [Source:HGNC Symbol;Acc:HGNC:37222]	chr13:5773	NM_00113	.	.	.	NP_00112	XP_016855	protein_co	ENSG0000	105370298	37222
PRR20E	0	0	0	0	0	0	proline rich 20E [Source:HGNC Symbol;Acc:HGNC:37223]	chr13:5774	NM_00113	.	.	.	NP_00112	XP_016855	protein_co	ENSG0000	105370298	37223
PRR21	0	0	0	0	0	0	proline rich 21 [Source:HGNC Symbol;Acc:HGNC:33866]	chr2:24098	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	643905	33866
PRR22	5.85316	5.53736	2.97543	8.30995	7.35933	4.63543	proline rich 22 [Source:HGNC Symbol;Acc:HGNC:28354]	chr19:5782	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	163154	28354
PRR23A	0	0	0	0	0	0	proline rich 23A [Source:HGNC Symbol;Acc:HGNC:37172]	chr3:13872	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	729627	37172
PRR23B	0	0	0	0	0	0	proline rich 23B [Source:HGNC Symbol;Acc:HGNC:33764]	chr3:13872	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	389151	33764
PRR23C	0	0	0	0	0	0	proline rich 23C [Source:HGNC Symbol;Acc:HGNC:37173]	chr3:13872	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	389152	37173
PRR23D1	0	0	0	0	0	0	proline rich 23 domain containing 1 [Source:HGNC Symbol;Acc:H	chr8:73971	NM_00128	XM_01153	.	.	NP_00126	XP_005266	protein_co	ENSG0000	100131608	49420
PRR23D2	0	0	0	0	0	0	proline rich 23 domain containing 2 [Source:HGNC Symbol;Acc:H	chr8:76361	NM_00128	XM_01154	.	.	NP_00126	XP_005272	protein_co	ENSG0000	100133251	49396
PRR25	0	0	0	0	0	0	proline rich 25 [Source:HGNC Symbol;Acc:HGNC:37230]	chr16:8554	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	388199	37230
PRR26	0	0	0	0	0	0	proline rich 26 [Source:HGNC Symbol;Acc:HGNC:30724]	chr10:3201	.	.	.	.	.	.	protein_co	ENSG0000	.	30724
PRR27	0	0	0	0	0	0	proline rich 27 [Source:HGNC Symbol;Acc:HGNC:33193]	chr4:71017	NM_21471	.	.	.	NP_99987	.	protein_co	ENSG0000	401137	33193
PRR29	0	0	0	0	0	0	proline rich 29 [Source:HGNC Symbol;Acc:HGNC:25673]	chr17:6207	NM_00116	XM_01152	.	.	NP_00115	XP_005257	protein_co	ENSG0000	92340	25673
PRR3	16.051	14.7941	12.4982	17.22	17.3203	11.654	proline rich 3 [Source:HGNC Symbol;Acc:HGNC:21149]	chr6:30509	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	80742	21149
PRR30	0	0	0	0	0	0	proline rich 30 [Source:HGNC Symbol;Acc:HGNC:28677]	chr2:27359	NM_17855	.	.	.	NP_84864	.	protein_co	ENSG0000	339779	28677
PRR32	0	0	0	0	0	0	proline rich 32 [Source:HGNC Symbol;Acc:HGNC:34498]	chrX:12595	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	100130613	34498
PRR34	0.322367	0.405554	0.139326	0.347728	0.399686	0.34786	proline rich 34 [Source:HGNC Symbol;Acc:HGNC:25606]	chr22:4644	NM_01828	.	.	.	NP_06075	.	protein_co	ENSG0000	55267	25606
PRR35	0	0	0	0	0	0	proline rich 35 [Source:HGNC Symbol;Acc:HGNC:14139]	chr16:6104	NM_14527	.	.	.	NP_66031	XP_016878	protein_co	ENSG0000	146325	14139
PRR36	2.84318	2.70687	3.14788	2.05934	2.41783	3.41049	proline rich 36 [Source:HGNC Symbol;Acc:HGNC:26172]	chr19:7933	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	80164	26172
PRR4	4.22338	4.12138	2.19957	3.77005	3.23262	3.37387	proline rich 4 (lacrimal) [Source:HGNC Symbol;Acc:HGNC:18020]	chr12:1099	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	11272	18020
PRR5	13.479	13.8754	11.9749	14.3264	12.2447	10.0593	proline rich 5 [Source:HGNC Symbol;Acc:HGNC:31682]	chr22:4506	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	55615	31682
PRR5-ARHGAP8	0.296405	9.16E-19	3.98E-22	3.47E-21	7.99E-12	1.03E-10	PRR5-ARHGAP8 readthrough [Source:HGNC Symbol;Acc:HGNC:34	chr22:4506	NM_18133	.	.	.	NP_85185	.	protein_co	ENSG0000	553158	34512
PRR5L	0.035227	0.035805	0.110763	0.038431	0.140267	0.037312	proline rich 5 like [Source:HGNC Symbol;Acc:HGNC:25878]	chr11:3631	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	79899	25878
PRR7	20.6219	20.7842	30.0879	31.0999	19.7278	30.9835	proline rich 7 (synaptic) [Source:HGNC Symbol;Acc:HGNC:28130]	chr5:17687	NM_00117	XM_01153	.	.	NP_00116	XP_011532	protein_co	ENSG0000	80758	28130
PRR9	0	0	0	0	0	0	proline rich 9 [Source:HGNC Symbol;Acc:HGNC:32057]	chr1:15319	NM_00119	XM_01150	.	.	NP_00118	XP_011508	protein_co	ENSG0000	574414	32057
PRRC1	27.314	28.4429	24.3796	27.4687	28.4097	26.5167	proline rich coiled-coil 1 [Source:HGNC Symbol;Acc:HGNC:28164]	chr5:12685	NM_00128	XM_00671	.	.	NP_00127	XP_006714	protein_co	ENSG0000	133619	28164
PRRC2A	60.9574	65.0511	59.8703	72.229	70.9407	61.8287	proline rich coiled-coil 2A [Source:HGNC Symbol;Acc:HGNC:1391	chr6:31588	NM_00463	XM_01151	.	.	.	XP_016866	protein_co	ENSG0000	7916	13918
PRRC2B	38.5969	42.8306	38.924	34.6255	36.06	36.9042	proline rich coiled-coil 2B [Source:HGNC Symbol;Acc:HGNC:2812	chr9:13426	NM_01331	.	.	.	NP_03745	.	protein_co	ENSG0000	84726	28121
PRRC2C	27.2867	28.7116	26.9036	24.2251	29.0462	26.387	proline rich coiled-coil 2C [Source:HGNC Symbol;Acc:HGNC:2490	chr1:17145	NM_01517	XM_01150	.	.	NP_05598	XP_005245	protein_co	ENSG0000	23215	24903
PRRG1	5.42012	6.72587	6.72733	6.40464	6.89151	8.54855	proline rich and Gla domain 1 [Source:HGNC Symbol;Acc:HGNC:9	chrX:37208	NM_00095	.	.	.	NP_00094	.	protein_co	ENSG0000	5638	9469
PRRG2	4.11213	4.17582	5.4777	3.22948	3.12338	4.24408	proline rich and Gla domain 2 [Source:HGNC Symbol;Acc:HGNC:9	chr19:5008	NM_00095	XM_01152	.	.	NP_00094	XP_006723	protein_co	ENSG0000	5639	9470
PRRG3	0	0	0	0	0	0	proline rich and Gla domain 3 [Source:HGNC Symbol;Acc:HGNC:3	chrX:15086	NM_02408	XM_01153	.	.	NP_07698	XP_005274	protein_co	ENSG0000	79057	30798
PRRG4	2.77298	2.75508	2.80015	2.80128	3.0056	2.85775	proline rich and Gla domain 4 [Source:HGNC Symbol;Acc:HGNC:3	chr11:3285	NM_02408	XM_01701	.	.	NP_07698	XP_006718	protein_co	ENSG0000	79056	30799
PRRT1	2.51038	4.87864	3.69002	2.33865	2.73121	2.18381	proline rich transmembrane protein 1 [Source:HGNC Symbol;Acc:	chr6:32116	NM_03065	.	NR_03717	.	NP_08515	.	protein_co	ENSG0000	100507547	13943
PRRT2	2.5623	2.26017	1.66899	1.54455	1.6423	1.03462	proline rich transmembrane protein 2 [Source:HGNC Symbol;Acc:	chr16:2982	NM_00125	XM_01702	.	.	NP_00124	XP_011544	protein_co	ENSG0000	112476	30500
PRRT3	0.645683	0.628844	0.905585	0.686938	0.512217	0.464929	proline rich transmembrane protein 3 [Source:HGNC Symbol;Acc:	chr3:99872	NM_00131	XM_01153	.	.	NP_00130	XP_011531	protein_co	ENSG0000	285368	26591
PRRT4	3.44032	2.91895	3.61078	3.0429	2.43908	2.48536	proline rich transmembrane protein 4 [Source:HGNC Symbol;Acc:	chr7:12799	NM_00111	XM_01151	.	.	NP_00110	XP_005250	protein_co	ENSG0000	401399	37280
PRRX1	0	0	0	0	0	0	paired related homeobox 1 [Source:HGNC Symbol;Acc:HGNC:914	chr1:17063	NM_00690	XM_00671	.	.	NP_00883	XP_006711	protein_co	ENSG0000	5396	9142
PRRX2	18.66	18.162	17.9856	17.2989	14.402	13.6335	paired related homeobox 2 [Source:HGNC Symbol;Acc:HGNC:213	chr9:13242	NM_01630	.	.	.	NP_05739	.	protein_co	ENSG0000	51450	21338
PRSS1	0	0	0	0	0	0	protease, serine 1 [Source:HGNC Symbol;Acc:HGNC:9475]	chr7:14245	NM_00276	.	.	.	NP_00276	.	protein_co	ENSG0000	5644	9475
PRSS12	3.94342	3.80032	6.51821	3.86151	3.43427	6.83763	protease, serine 12 [Source:HGNC Symbol;Acc:HGNC:9477]	chr4:11920	NM_00361	.	.	.	NP_00361	.	protein_co	ENSG0000	8492	9477
PRSS16	6.8592	7.16976	5.26959	6.13327	6.24898	6.73893	protease, serine 16 [Source:HGNC Symbol;Acc:HGNC:9480]	chr6:27215	NM_00586	XM_01701	.	.	NP_00585	XP_016865	protein_co	ENSG0000	10279	9480
PRSS21	0	0.076769	0.132769	0.084347	0	0	protease, serine 21 [Source:HGNC Symbol;Acc:HGNC:9485]	chr16:2867	NM_00127	XM_01702	.	.	NP_00125	XP_016878	protein_co	ENSG0000	10942	9485
PRSS22	5.33451	4.97462	7.90379	4.00522	3.64363	3.14874	protease, serine 22 [Source:HGNC Symbol;Acc:HGNC:14368]	chr16:2902	NM_02211	XM_00525	.	.	NP_07140	XP_005255	protein_co	ENSG0000	64063	14368
PRSS23	2.37559	2.25223	1.63102	3.43948	2.67747	2.80802	protease, serine 23 [Source:HGNC Symbol;Acc:HGNC:14370]	chr11:8651	NM_00129	.	NR_12059	.	NP_00128	.	protein_co	ENSG0000	11098	14370
PRSS27	0.647834	1.02197	1.10601	1.10937	1.24723	0.824708	protease, serine 27 [Source:HGNC Symbol;Acc:HGNC:15475]	chr16:2762	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	83886	15475
PRSS3	26.5435	26.9385	25.2099	34.2044	25.6554	25.3844	protease, serine 3 [Source:HGNC Symbol;Acc:HGNC:9486]	chr9:33750	NM_00119	XM_01151	.	.	NP_00118	XP_011516	protein_co	ENSG0000	5646	9486
PRSS33	0.092025	0.115516	0.224271	0	0	0	protease, serine 33 [Source:HGNC Symbol;Acc:HGNC:30405]	chr16:2833	NM_15289	XM_01152	.	.	NP_69085	XP_011520	protein_co	ENSG0000	260429	30405
PRSS35	0.180549	0.222495	0.287855	0.476891	0.201564	0.416854	protease, serine 35 [Source:HGNC Symbol;Acc:HGNC:21387]	chr6:84222	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	167681	21387
PRSS36	0.112563	0.167015	0.117351	0	0.095362	0.137393	protease, serine 36 [Source:HGNC Symbol;Acc:HGNC:26906]	chr16:3115	NM_00125	XM_01154	.	.	NP_00124	XP_011544	protein_co	ENSG0000	146547	26906
PRSS37	0	0	0	0	0	0	protease, serine 37 [Source:HGNC Symbol;Acc:HGNC:29211]	chr7:14153	NM_00100	XM_00524	.	.	NP_00100	XP_005250	protein_co	ENSG0000	136242	29211
PRSS38	0	0	0	0	0	0	protease, serine 38 [Source:HGNC Symbol;Acc:HGNC:29625]	chr1:22800	NM_18306	.	.	.	NP_89888	.	protein_co	ENSG0000	339501	29625
PRSS42	0	0	0	0	0	0	protease, serine 42 [Source:HGNC Symbol;Acc:HGNC:30716]	chr3:46871	NM_18270	.	.	.	NP_87436	.	protein_co	ENSG0000	339906	30716
PRSS45	0	0	0	0	0	0	protease, serine 45 [Source:HGNC Symbol;Acc:HGNC:30717]	chr3:46753	NM_19918	.	.	.	NP_95465	.	protein_co	ENSG0000	377047	30717
PRSS46	0	0	0	0	0	0	protease, serine 46 [Source:HGNC Symbol;Acc:HGNC:37325]	chr3:46753	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	100287362	37325
PRSS48	0	0	0	0	0	0.075028	protease, serine 48 [Source:HGNC Symbol;Acc:HGNC:24635]	chr4:15204	NM_18337	XM_01153	.	.	NP_89923	XP_011530	protein_co	ENSG0000	345062	24635

PRSS50	0	0	0	0	0	0	protease, serine 50 [Source:HGNC Symbol;Acc:HGNC:17910]	chr3:46753	NM_01327	.	.	.		NP_03740	.	protein_co	ENSG0000	29122	17910
PRSS51	0.114248	0.121843	0.278942	0.032521	0.162383	0.117019	protease, serine 51 [Source:HGNC Symbol;Acc:HGNC:37321]	chr8:10352	.		.	.		.		protein_co	ENSG0000	.	37321
PRSS53	2.91699	2.47969	2.91609	3.76309	3.06763	3.24285	protease, serine 53 [Source:HGNC Symbol;Acc:HGNC:34407]	chr16:3108	NM_00103	XM_01154	.	.		NP_00103	XP_011544	protein_co	ENSG0000	339105	34407
PRSS54	0	0	0	0	0.046692	0	protease, serine 54 [Source:HGNC Symbol;Acc:HGNC:26336]	chr16:5828	NM_00108	XM_00525	.	.		NP_00107	XP_005255	protein_co	ENSG0000	221191	26336
PRSS55	0	0	0	0	0	0	protease, serine 55 [Source:HGNC Symbol;Acc:HGNC:30824]	chr8:10352	NM_00119	.	.	.		NP_00118	.	protein_co	ENSG0000	203074	30824
PRSS56	0.0566	0.266639	0.096043	0.176802	0.269811	0.395602	protease, serine 56 [Source:HGNC Symbol;Acc:HGNC:39433]	chr2:23338	NM_00119	.	.	.		NP_00118	.	protein_co	ENSG0000	646960	39433
PRSS57	0.201016	0.27004	0.479556	0.425278	0.331822	0.213841	protease, serine 57 [Source:HGNC Symbol;Acc:HGNC:31397]	chr19:6855	NM_00130	XM_01152	.	.		NP_00129	XP_011526	protein_co	ENSG0000	400668	31397
PRSS58	0	0	0	0	0	0	protease, serine 58 [Source:HGNC Symbol;Acc:HGNC:39125]	chr7:14195	NM_00100	.	.	.		NP_00100	.	protein_co	ENSG0000	136541	39125
PRSS8	29.8513	29.2332	26.6098	21.9321	21.0563	36.1914	protease, serine 8 [Source:HGNC Symbol;Acc:HGNC:9491]	chr16:3114	NM_00277	.	.	.		NP_00276	.	protein_co	ENSG0000	5652	9491
PRTFDC1	0.042854	0	0.074385	0.118653	0.094591	0.290704	phosphoribosyl transferase domain containing 1 [Source:HGNC S	chr10:2513	NM_00128	XM_01151	.	.		NP_00126	XP_011517	protein_co	ENSG0000	56952	23333
PRTG	0	0.016507	0	0	0	0.007314	protogenin [Source:HGNC Symbol;Acc:HGNC:26373]	chr15:5590	NM_17381	XM_01702	.	.		NP_77617	XP_016877	protein_co	ENSG0000	283659	26373
PRTN3	1.41467	0.860924	2.36545	0.735089	0.812598	1.67846	proteinase 3 [Source:HGNC Symbol;Acc:HGNC:9495]	chr19:8409	NM_00277	.	.	.		NP_00276	.	protein_co	ENSG0000	5657	9495
PRUNE1	12.2867	11.7986	12.5416	10.6662	10.7751	12.7265	prune exopolyphosphatase [Source:HGNC Symbol;Acc:HGNC:134	chr1:15098	NM_00130	XM_01150	.	.		NP_00129	XP_005245	protein_co	ENSG0000	58497	13420
PRUNE2	0.122424	0.128589	0.183704	0.724086	0.549051	0.919151	prune homolog 2 [Source:HGNC Symbol;Acc:HGNC:25209]	chr9:79226	NM_00130	XM_01701	.	.		NP_00129	XP_005251	protein_co	ENSG0000	158471	25209
PRX	1.33395	1.67283	1.5878	1.67653	1.36113	1.80724	periaxin [Source:HGNC Symbol;Acc:HGNC:13797]	chr19:4089	NM_02095	XM_01702	.	.		NP_06600	XP_011525	protein_co	ENSG0000	57716	13797
PRY	0	0	0	0	0	0	PTPN13-like, Y-linked [Source:HGNC Symbol;Acc:HGNC:14024]	chrY:24636	NM_00467	XM_01153	.	.		NP_00466	XP_011529	protein_co	ENSG0000	9081	14024
PRY2	0	0	0	0	0	0	PTPN13-like, Y-linked 2 [Source:HGNC Symbol;Acc:HGNC:21504]	chrY:24217	NM_00100	.	.	.		NP_00100	XP_016885	protein_co	ENSG0000	442862	21504
PSAP	203.248	223.694	235.383	176.566	167.803	195.02	prosaposin [Source:HGNC Symbol;Acc:HGNC:9498]	chr10:7357	NM_00104	.	.	.		NP_00103	.	protein_co	ENSG0000	5660	9498
PSAPL1	0.080595	0.063717	0.02769	0.103441	0.018755	0.035598	prosaposin-like 1 (gene/pseudogene) [Source:HGNC Symbol;Acc:	chr4:71942	NM_00108	.	.	.		NP_00107	.	protein_co	ENSG0000	768239	33131
PSAT1	113.919	124.825	59.7952	97.9431	94.9114	346.822	phosphoserine aminotransferase 1 [Source:HGNC Symbol;Acc:HG	chr9:80912	NM_02115	.	.	.		NP_06697	.	protein_co	ENSG0000	29968	19129
PSCA	0.591124	1.21639	0.254486	0.971201	0.230321	0.550964	prostate stem cell antigen [Source:HGNC Symbol;Acc:HGNC:9500	chr8:14376	NM_00567	.	.	.		NP_00566	.	protein_co	ENSG0000	8000	9500
PSD	2.0028	1.88245	2.78087	2.3562	1.30146	1.71646	pleckstrin and Sec7 domain containing [Source:HGNC Symbol;Acc	chr10:1041	NM_00127	XM_01701	.	.		NP_00125	XP_011538	protein_co	ENSG0000	5662	9507
PSD2	0.321478	0.30642	0.347443	0.383605	0.277278	0.311019	pleckstrin and Sec7 domain containing 2 [Source:HGNC Symbol;A	chr5:13917	NM_03228	XM_01153	.	.		NP_11566	XP_011535	protein_co	ENSG0000	84249	19092
PSD3	4.93281	5.17991	7.22089	5.2637	6.72473	8.02943	pleckstrin and Sec7 domain containing 3 [Source:HGNC Symbol;A	chr8:18384	NM_01531	XM_01701	.	.		NP_05612	XP_011542	protein_co	ENSG0000	23362	19093
PSD4	3.28986	3.65577	4.0337	3.67123	3.93717	4.02698	pleckstrin and Sec7 domain containing 4 [Source:HGNC Symbol;A	chr2:11393	NM_01245	XM_01151	.	.		NP_03658	XP_005263	protein_co	ENSG0000	23550	19096
PSEN1	14.7802	13.8375	14.2831	11.6343	13.6567	18.9906	presenilin 1 [Source:HGNC Symbol;Acc:HGNC:9508]	chr14:7360	NM_00002	XM_01153	.	.		NP_00001	XP_005267	protein_co	ENSG0000	5663	9508
PSEN2	9.20112	8.45243	9.59537	7.12326	7.60162	8.33794	presenilin 2 [Source:HGNC Symbol;Acc:HGNC:9509]	chr1:22705	NM_00044	XM_01700	.	.		NP_00043	XP_005273	protein_co	ENSG0000	5664	9509
PSENEN	64.7928	66.3787	44.2032	74.3831	58.1945	48.5222	presenilin enhancer gamma-secretase subunit [Source:HGNC Sym	chr19:3623	NM_00128	.	.	.		NP_00126	.	protein_co	ENSG0000	55851	30100
PSG1	0	0	0	0	0	0	pregnancy specific beta-1-glycoprotein 1 [Source:HGNC Symbol;A	chr19:4337	NM_00118	XM_01702	.	.		NP_00117	XP_005259	protein_co	ENSG0000	5669	9514
PSG11	0	0	0	0	0	0	pregnancy specific beta-1-glycoprotein 11 [Source:HGNC Symbol;	chr19:4351	NM_00111	.	.	.		NP_00110	.	protein_co	ENSG0000	5680	9516
PSG2	0	0	0	0	0	0	pregnancy specific beta-1-glycoprotein 2 [Source:HGNC Symbol;A	chr19:4356	NM_03124	.	.	.		NP_11253	.	protein_co	ENSG0000	5670	9519
PSG3	0	0	0	0	0	0	pregnancy specific beta-1-glycoprotein 3 [Source:HGNC Symbol;A	chr19:4322	NM_02101	XM_01152	.	.		NP_06629	XP_011525	protein_co	ENSG0000	5671	9520
PSG4	0	0	0	0	0.047562	0	pregnancy specific beta-1-glycoprotein 4 [Source:HGNC Symbol;A	chr19:4369	NM_00127	XM_01152	.	.		NP_00126	XP_016882	protein_co	ENSG0000	5672	9521
PSG5	0	0	0	0	0	0	pregnancy specific beta-1-glycoprotein 5 [Source:HGNC Symbol;A	chr19:4367	NM_00113	XM_01702	.	.		NP_00112	XP_016882	protein_co	ENSG0000	5673	9522
PSG6	0	0	0	0	0	0	pregnancy specific beta-1-glycoprotein 6 [Source:HGNC Symbol;A	chr19:4340	NM_00103	.	.	.		NP_00102	.	protein_co	ENSG0000	5675	9523
PSG7	0	0	0	0	0	0	pregnancy specific beta-1-glycoprotein 7 (gene/pseudogene) [Sou	chr19:4340	NM_00120	.	.	.		NP_00119	.	protein_co	ENSG0000	5676	9524
PSG8	0	0	0	0	0	0	pregnancy specific beta-1-glycoprotein 8 [Source:HGNC Symbol;A	chr19:4325	NM_00113	XM_01152	.	.		NP_00112	XP_011525	protein_co	ENSG0000	440533	9525
PSG9	0.074554	0.078464	0	0	0	0	pregnancy specific beta-1-glycoprotein 9 [Source:HGNC Symbol;A	chr19:4371	NM_00130	XM_01702	.	.		NP_00128	XP_005259	protein_co	ENSG0000	5678	9526
PSIP1	40.3991	40.2613	39.7507	43.7122	45.2803	54.9553	PC4 and SFRS1 interacting protein 1 [Source:HGNC Symbol;Acc:H	chr9:15422	NM_00112	XM_01151	.	.		NP_00112	XP_005251	protein_co	ENSG0000	11168	9527
PSKH1	9.36359	9.83378	9.3635	10.4975	9.52093	9.43685	protein serine kinase H1 [Source:HGNC Symbol;Acc:HGNC:9529]	chr16:6792	NM_00674	.	.	.		NP_00673	.	protein_co	ENSG0000	5681	9529
PSKH2	0	0	0	0	0	0	protein serine kinase H2 [Source:HGNC Symbol;Acc:HGNC:18997	chr8:87060	NM_03312	.	.	.		NP_14911	.	protein_co	ENSG0000	85481	18997
PSMA1	154.927	138.201	116.29	159.387	170.709	151.26	proteasome subunit alpha 1 [Source:HGNC Symbol;Acc:HGNC:95	chr11:1452	NM_00278	.	.	.		NP_00277	.	protein_co	ENSG0000	5682	9530
PSMA2	153.15	152.951	133.036	188.366	158.423	145.647	proteasome subunit alpha 2 [Source:HGNC Symbol;Acc:HGNC:95	chr7:42956	NM_00278	.	.	.		NP_00277	.	protein_co	ENSG0000	5683	9531
PSMA3	155.45	129.17	137.408	162.655	175.128	155.262	proteasome subunit alpha 3 [Source:HGNC Symbol;Acc:HGNC:95	chr14:5871	NM_00278	.	.	.		NP_00277	.	protein_co	ENSG0000	5684	9532
PSMA4	270.703	247.22	243.829	311.213	322.564	288.019	proteasome subunit alpha 4 [Source:HGNC Symbol;Acc:HGNC:95	chr15:7883	NM_00110	.	.	.		NP_00109	.	protein_co	ENSG0000	5685	9533
PSMA5	97.0393	99.7403	71.3703	118.133	94.1654	66.9806	proteasome subunit alpha 5 [Source:HGNC Symbol;Acc:HGNC:95	chr1:10994	NM_00119	.	.	.		NP_00118	.	protein_co	ENSG0000	5686	9534
PSMA6	181.332	175.412	144.477	202.126	180.163	164.288	proteasome subunit alpha 6 [Source:HGNC Symbol;Acc:HGNC:95	chr14:3574	NM_00128	.	.	.		NP_00126	XP_016876	protein_co	ENSG0000	5687	9535
PSMA7	308.689	291.01	220.492	389.757	325.353	258.04	proteasome subunit alpha 7 [Source:HGNC Symbol;Acc:HGNC:95	chr20:6071	NM_00279	.	.	.		NP_00278	.	protein_co	ENSG0000	5688	9536
PSMA8	0	0	0	0	0	0	proteasome subunit alpha 8 [Source:HGNC Symbol;Acc:HGNC:22	chr18:2371	NM_00102	XM_01152	.	.		NP_00102	XP_011524	protein_co	ENSG0000	143471	22985
PSMB1	358.233	312.936	298.8	365.677	360.357	336.34	proteasome subunit beta 1 [Source:HGNC Symbol;Acc:HGNC:953	chr6:17084	NM_00279	.	.	.		NP_00278	.	protein_co	ENSG0000	5689	9537
PSMB10	31.3215	30.2622	22.3507	35.499	25.3226	13.9714	proteasome subunit beta 10 [Source:HGNC Symbol;Acc:HGNC:95	chr16:6796	NM_00280	.	.	.		NP_00279	.	protein_co	ENSG0000	5699	9538
PSMB11	0	0	0	0.048688	0	0	proteasome subunit beta 11 [Source:HGNC Symbol;Acc:HGNC:31	chr14:2351	NM_00109	.	.	.		NP_00109	.	protein_co	ENSG0000	122706	31963
PSMB2	110.401	115.195	83.3601	140.709	125.227	89.8316	proteasome subunit beta 2 [Source:HGNC Symbol;Acc:HGNC:953	chr1:36065	NM_00119	.	.	.		NP_00118	.	protein_co	ENSG0000	5690	9539
PSMB3	322.125	313.544	237.549	445.874	321.97	258.947	proteasome subunit beta 3 [Source:HGNC Symbol;Acc:HGNC:954	chr17:3690	NM_00279	.	.	.		NP_00278	.	protein_co	ENSG0000	5691	9540
PSMB4	471.514	462.717	369.96	541.668	419.775	314.328	proteasome subunit beta 4 [Source:HGNC Symbol;Acc:HGNC:954	chr1:15137	NM_00279	.	.	.		NP_00278	.	protein_co	ENSG0000	5692	9541
PSMB5	204.267	199.758	181.007	276.036	207.254	168.996	proteasome subunit beta 5 [Source:HGNC Symbol;Acc:HGNC:954	chr14:2349	NM_00113	.	.	.		NP_00112	.	protein_co	ENSG0000	5693	9542
PSMB6	282.133	271.515	187.832	354.606	292.24	215.438	proteasome subunit beta 6 [Source:HGNC Symbol;Acc:HGNC:954	chr17:4699	NM_00127	.	.	.		NP_00125	.	protein_co	ENSG0000	5694	9543
PSMB7	194.635	191.39	160.292	252.899	195.267	174.876	proteasome subunit beta 7 [Source:HGNC Symbol;Acc:HGNC:954	chr9:12711	NM_00279	.	.	.		NP_00279	.	protein_co	ENSG0000	5695	9544
PSMB8	1.04704	0.50513	0.318324	1.67692	1.9195	1.50453	proteasome subunit beta 8 [Source:HGNC Symbol;Acc:HGNC:954	chr6:32808	NM_00415	.	.	.		NP_00415	.	protein_co	ENSG0000	5696	9545

PSMB9	22.3194	24.9002	16.3782	16.7583	12.3791	10.2925	proteasome subunit beta 9 [Source:HGNC Symbol;Acc:HGNC:954	chr6:32808	NM_00280	.	.	.	NP_00279	.	protein_co	ENSG0000	5698	9546
PSMC1	64.0305	59.2535	45.7016	78.2902	66.8304	50.7292	proteasome 26S subunit, ATPase 1 [Source:HGNC Symbol;Acc:HG	chr14:9072	NM_00280	.	.	.	NP_00279	XP_016876	protein_co	ENSG0000	5700	9547
PSMC2	60.1928	61.7917	42.9985	73.9535	61.1468	48.8753	proteasome 26S subunit, ATPase 2 [Source:HGNC Symbol;Acc:HG	chr7:10298	NM_00120	XM_00525	.	.	NP_00119	XP_005250	protein_co	ENSG0000	5701	9548
PSMC3	131.059	120.838	81.9591	178.922	153.44	98.4499	proteasome 26S subunit, ATPase 3 [Source:HGNC Symbol;Acc:HG	chr11:4744	NM_00280	XM_01152	.	.	NP_00279	.	protein_co	ENSG0000	5702	9549
PSMC3IP	21.6849	22.8866	16.5907	20.0497	17.1256	16.8872	PSMC3 interacting protein [Source:HGNC Symbol;Acc:HGNC:1792	chr17:4071	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	29893	17928
PSMC4	111.409	110.974	74.5711	138.539	121.436	71.2856	proteasome 26S subunit, ATPase 4 [Source:HGNC Symbol;Acc:HG	chr19:4047	NM_00650	.	.	.	NP_00649	.	protein_co	ENSG0000	5704	9551
PSMC5	145.012	145.003	103.854	214.601	189.659	137.968	proteasome 26S subunit, ATPase 5 [Source:HGNC Symbol;Acc:HG	chr17:6189	NM_00119	XM_00672	.	.	NP_00118	.	protein_co	ENSG0000	5705	9552
PSMC6	60.6718	55.6853	42.1031	69.7715	72.8696	57.3635	proteasome 26S subunit, ATPase 6 [Source:HGNC Symbol;Acc:HG	chr14:5317	NM_00280	.	.	.	NP_00279	.	protein_co	ENSG0000	5706	9553
PSMD1	72.2683	72.3582	58.5659	86.3588	85.9675	65.7417	proteasome 26S subunit, non-ATPase 1 [Source:HGNC Symbol;Ac	chr2:23192	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	5707	9554
PSMD10	34.8423	33.6385	31.5252	40.3532	39.6358	38.2888	proteasome 26S subunit, non-ATPase 10 [Source:HGNC Symbol;A	chrX:10732	NM_00281	.	.	.	NP_00280	.	protein_co	ENSG0000	5716	9555
PSMD11	68.5223	70.8265	51.2939	83.9217	77.987	56.3506	proteasome 26S subunit, non-ATPase 11 [Source:HGNC Symbol;A	chr17:3077	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	5717	9556
PSMD12	66.0239	61.6503	63.2734	71.7425	89.6687	77.6915	proteasome 26S subunit, non-ATPase 12 [Source:HGNC Symbol;A	chr17:6533	NM_00281	XM_01152	.	.	NP_00130	.	protein_co	ENSG0000	5718	9557
PSMD13	134.098	122.487	112.767	159.82	135.508	106.42	proteasome 26S subunit, non-ATPase 13 [Source:HGNC Symbol;A	chr11:2154	NM_00281	XM_01152	.	.	NP_00280	XP_011518	protein_co	ENSG0000	5719	9558
PSMD14	81.8191	76.1162	69.4371	92.6169	99.0321	86.0594	proteasome 26S subunit, non-ATPase 14 [Source:HGNC Symbol;A	chr2:16216	NM_00580	.	.	.	NP_00579	.	protein_co	ENSG0000	10213	16889
PSMD2	164.504	163.274	138.186	221.11	190.645	154.812	proteasome 26S subunit, non-ATPase 2 [Source:HGNC Symbol;Ac	chr3:18401	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	5708	9559
PSMD3	102.857	105.575	84.8635	131.695	115.291	88.5247	proteasome 26S subunit, non-ATPase 3 [Source:HGNC Symbol;Ac	chr17:3813	NM_00280	.	.	.	NP_00280	.	protein_co	ENSG0000	5709	9560
PSMD4	183.228	175.327	132.994	210.552	173.005	135.425	proteasome 26S subunit, non-ATPase 4 [Source:HGNC Symbol;Ac	chr1:15122	NM_00281	XM_00671	.	.	NP_00280	XP_005245	protein_co	ENSG0000	5710	9561
PSMD5	25.078	27.5489	25.7796	27.6651	33.1157	27.3118	proteasome 26S subunit, non-ATPase 5 [Source:HGNC Symbol;Ac	chr9:12357	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	5711	9563
PSMD6	79.949	77.7373	67.6133	89.5767	96.4785	76.5474	proteasome 26S subunit, non-ATPase 6 [Source:HGNC Symbol;Ac	chr3:63996	NM_00127	XM_01153	.	.	NP_00125	XP_005265	protein_co	ENSG0000	9861	9564
PSMD7	84.7533	81.327	76.0471	100.459	100.905	88.8322	proteasome 26S subunit, non-ATPase 7 [Source:HGNC Symbol;Ac	chr16:7433	NM_00281	.	.	.	NP_00280	.	protein_co	ENSG0000	5713	9565
PSMD8	140.315	137.106	119.026	196.423	148.204	128.745	proteasome 26S subunit, non-ATPase 8 [Source:HGNC Symbol;Ac	chr19:3886	NM_00281	.	.	.	NP_00280	.	protein_co	ENSG0000	5714	9566
PSMD9	27.9568	29.7949	27.5803	35.497	29.6072	23.043	proteasome 26S subunit, non-ATPase 9 [Source:HGNC Symbol;Ac	chr12:1223	NM_00126	.	.	.	NP_00124	.	protein_co	ENSG0000	5715	9567
PSME1	161.187	155.316	154.989	116.966	102.374	110.025	proteasome activator subunit 1 [Source:HGNC Symbol;Acc:HGNC	chr14:2460	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	5720	9568
PSME2	184.096	171.43	137.28	155.919	118.426	98.448	proteasome activator subunit 2 [Source:HGNC Symbol;Acc:HGNC	chr14:2461	NM_00281	XM_00672	NR_10699	.	NP_00280	XP_006720	protein_co	ENSG0000	102465801	9569
PSME3	109.011	122.761	111.696	141.042	126.534	90.9458	proteasome activator subunit 3 [Source:HGNC Symbol;Acc:HGNC	chr17:4097	NM_00126	XM_01152	.	.	NP_00125	XP_011522	protein_co	ENSG0000	10197	9570
PSME4	18.354	16.5874	19.2567	18.2519	22.7408	20.5533	proteasome activator subunit 4 [Source:HGNC Symbol;Acc:HGNC	chr2:54091	NM_01461	XM_01153	.	.	NP_05542	XP_006712	protein_co	ENSG0000	23198	20635
PSMF1	29.1293	33.7247	26.9078	39.637	31.3508	23.2603	proteasome inhibitor subunit 1 [Source:HGNC Symbol;Acc:HGNC:	chr20:1093	NM_00681	XM_00672	.	.	NP_00131	XP_005260	protein_co	ENSG0000	9491	9571
PSMG1	49.4295	47.2616	43.8333	51.5104	55.2291	43.7622	proteasome assembly chaperone 1 [Source:HGNC Symbol;Acc:HG	chr21:4054	NM_00126	.	.	.	NP_00124	.	protein_co	ENSG0000	8624	3043
PSMG2	49.9827	48.907	46.142	48.5576	57.6932	45.9219	proteasome assembly chaperone 2 [Source:HGNC Symbol;Acc:HG	chr18:1265	NM_02023	.	.	.	NP_06461	.	protein_co	ENSG0000	56984	24929
PSMG3	77.5114	74.4547	63.2746	96.4951	77.3079	49.816	proteasome assembly chaperone 3 [Source:HGNC Symbol;Acc:HG	chr7:16069	NM_00113	XM_01151	.	.	NP_00112	XP_006715	protein_co	ENSG0000	84262	22420
PSMG4	27.8054	29.7692	25.0579	29.1205	24.5599	20.7951	proteasome assembly chaperone 4 [Source:HGNC Symbol;Acc:HG	chr6:32320	NM_00112	.	.	.	NP_00112	XP_011512	protein_co	ENSG0000	389362	21108
PSORS1C1	3.87802	4.1096	4.33533	5.71051	4.04925	3.75371	psoriasis susceptibility 1 candidate 1 [Source:HGNC Symbol;Acc:H	chr6:31082	NM_01406	.	.	.	NP_05478	.	protein_co	ENSG0000	170679	17202
PSORS1C2	0.084964	0	0	0	0.097314	0.187174	psoriasis susceptibility 1 candidate 2 [Source:HGNC Symbol;Acc:H	chr6:31082	NM_01406	.	.	.	NP_05478	.	protein_co	ENSG0000	170680	17199
PSPC1	28.3614	28.9564	25.1443	47.6304	38.8664	27.2554	paraspeckle component 1 [Source:HGNC Symbol;Acc:HGNC:2032	chr13:2027	NM_00104	XM_00671	.	.	NP_00103	XP_006719	protein_co	ENSG0000	55269	20320
PSPH	23.2998	24.7327	22.3062	24.9679	22.9279	38.8033	phosphoserine phosphatase [Source:HGNC Symbol;Acc:HGNC:95	chr7:56078	NM_00457	XM_01151	.	.	NP_00456	XP_005271	protein_co	ENSG0000	5723	9577
PSPN	2.11567	2.04493	1.71068	2.6292	2.57518	2.10571	persephin [Source:HGNC Symbol;Acc:HGNC:9579]	chr19:6372	NM_00415	.	.	.	NP_00414	.	protein_co	ENSG0000	5623	9579
PSRC1	18.5772	16.0662	19.1023	30.5297	26.8854	23.041	proline and serine rich coiled-coil 1 [Source:HGNC Symbol;Acc:HG	chr1:10982	NM_00100	XM_01700	.	.	NP_00100	XP_005271	protein_co	ENSG0000	84722	24472
PSTK	3.85987	2.73301	3.31282	3.84256	3.25077	2.62711	phosphoseryl-tRNA kinase [Source:HGNC Symbol;Acc:HGNC:2857	chr10:1247	NM_15333	XM_01701	.	.	NP_69916	XP_016871	protein_co	ENSG0000	118672	28578
PSTPIP1	0	0	0	0	0	0	proline-serine-threonine phosphatase interacting protein 1 [Sour	chr15:7728	NM_00397	XM_01152	.	.	NP_00130	XP_006720	protein_co	ENSG0000	9051	9580
PSTPIP2	12.1219	12.3654	16.0198	12.3521	14.6081	11.7348	proline-serine-threonine phosphatase interacting protein 2 [Sour	chr18:4356	NM_02443	XM_01152	.	.	NP_07774	XP_011524	protein_co	ENSG0000	9050	9581
PTAFR	2.27615	2.972	4.03476	3.41681	3.30904	2.80218	platelet activating factor receptor [Source:HGNC Symbol;Acc:HGN	chr1:28473	NM_00095	.	.	.	NP_00094	.	protein_co	ENSG0000	5724	9582
PTAR1	8.82859	10.4198	9.78166	7.88943	9.71563	11.2969	protein prenyltransferase alpha subunit repeat containing 1 [Sou	chr9:72324	NM_00109	XM_01151	.	.	NP_00109	XP_005252	protein_co	ENSG0000	375743	30449
PTBP1	215.823	223.167	184.174	219.636	207.451	204.845	polypyrimidine tract binding protein 1 [Source:HGNC Symbol;Acc	chr19:7970	NM_00281	XM_00525	NR_03990	.	NP_00281	XP_005259	protein_co	ENSG0000	100616459	9583
PTBP2	4.82994	4.09478	4.84134	3.56433	5.76046	4.76822	polypyrimidine tract binding protein 2 [Source:HGNC Symbol;Acc	chr1:97187	NM_00130	XM_01154	.	XR_94672	NP_00128	XP_011540	protein_co	ENSG0000	58155	17662
PTBP3	27.9787	30.0392	30.585	24.9837	31.1881	36.7451	polypyrimidine tract binding protein 3 [Source:HGNC Symbol;Acc	chr9:11497	NM_00116	XM_01701	.	.	NP_00115	XP_006717	protein_co	ENSG0000	9991	10253
PTCD1	3.18915	3.44096	3.4467	4.82873	3.13927	2.49088	pentatricopeptide repeat domain 1 [Source:HGNC Symbol;Acc:HG	chr7:98992	NM_01554	.	.	.	NP_05636	.	protein_co	ENSG0000	26024	22198
PTCD2	8.6224	7.50822	7.3636	8.94154	9.5434	8.38256	pentatricopeptide repeat domain 2 [Source:HGNC Symbol;Acc:HG	chr5:71616	NM_00128	XM_00524	.	.	NP_00127	XP_005248	protein_co	ENSG0000	79810	25734
PTCD3	39.9406	34.8951	37.0395	70.6857	46.6539	43.462	pentatricopeptide repeat domain 3 [Source:HGNC Symbol;Acc:HG	chr2:86333	NM_01795	.	.	.	NP_06042	.	protein_co	ENSG0000	55037	24717
PTCH1	1.9327	1.96714	2.00273	1.37743	1.21437	1.71637	patched 1 [Source:HGNC Symbol;Acc:HGNC:9585]	chr9:98205	NM_00026	XM_01151	.	.	NP_00025	XP_005252	protein_co	ENSG0000	5727	9585
PTCH2	0.709338	0.639899	0.480326	0.401056	0.362129	0.229842	patched 2 [Source:HGNC Symbol;Acc:HGNC:9586]	chr1:45285	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	8643	9586
PTCHD1	0	0	0	0	0	0	patched domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2	chrX:23352	NM_17349	XM_01154	.	.	NP_77576	XP_011543	protein_co	ENSG0000	139411	26392
PTCHD3	0	0	0	0	0	0	patched domain containing 3 [Source:HGNC Symbol;Acc:HGNC:2	chr10:2768	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	374308	24776
PTCHD4	0.551922	0.71295	1.07448	0.883063	0.905142	0.628856	patched domain containing 4 [Source:HGNC Symbol;Acc:HGNC:2	chr6:47845	NM_00101	.	.	.	NP_00101	XP_016866	protein_co	ENSG0000	442213	21345
PTCRA	0	0	0	0	0	0	pre T-cell antigen receptor alpha [Source:HGNC Symbol;Acc:HGN	chr6:42883	NM_00124	XM_01151	.	.	NP_00123	.	protein_co	ENSG0000	171558	21290
PTDSS1	37.4224	36.7705	33.555	49.1493	50.4818	36.4389	phosphatidylserine synthase 1 [Source:HGNC Symbol;Acc:HGNC:	chr8:97273	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	9791	9587
PTDSS2	17.6167	16.7497	18.741	16.6044	13.05	12.0524	phosphatidylserine synthase 2 [Source:HGNC Symbol;Acc:HGNC:	chr11:4502	NM_03078	XM_01152	.	.	NP_00131	XP_011518	protein_co	ENSG0000	81490	15463
PTEN	13.8279	14.4318	16.064	15.7158	15.7248	18.5161	phosphatase and tensin homolog [Source:HGNC Symbol;Acc:HGN	chr10:8961	NM_00031	XM_00671	.	.	NP_00030	.	protein_co	ENSG0000	5728	9588
PTER	15.9996	16.1625	15.1296	24.7276	24.7634	20.8135	phosphotriesterase related [Source:HGNC Symbol;Acc:HGNC:959	chr10:1647	NM_00100	XM_01701	.	.	NP_00100	XP_016872	protein_co	ENSG0000	9317	9590
PTF1A	0	0	0	0	0	0	pancreas specific transcription factor, 1a [Source:HGNC Symbol;A	chr10:2348	NM_17816	.	.	.	NP_83545	.	protein_co	ENSG0000	256297	23734

PTGDR	0	0	0	0	0	0	prostaglandin D2 receptor [Source:HGNC Symbol;Acc:HGNC:9591	chr14:5273	NM_00095	XM_00526	.	.	NP_00094	XP_005267	protein_co	ENSG0000	5729	9591
PTGDR2	0.309513	0.137352	0.117343	0.074861	0.118836	0.110753	prostaglandin D2 receptor 2 [Source:HGNC Symbol;Acc:HGNC:45	chr11:6060	NM_00477	.	.	.	NP_00476	.	protein_co	ENSG0000	11251	4502
PTGDS	0	0.234429	0.411206	0	0.137145	0.394814	prostaglandin D2 synthase [Source:HGNC Symbol;Acc:HGNC:9592	chr9:13987	NM_00095	.	.	.	NP_00094	.	protein_co	ENSG0000	5730	9592
PTGER1	0.264593	0.247183	0.435727	0	0	0.153418	prostaglandin E receptor 1 [Source:HGNC Symbol;Acc:HGNC:9593	chr19:1458	NM_00095	.	.	.	NP_00094	.	protein_co	ENSG0000	5731	9593
PTGER2	0.042417	0.474739	0.218595	0.379903	0.612799	1.17516	prostaglandin E receptor 2 [Source:HGNC Symbol;Acc:HGNC:9594	chr14:5278	NM_00095	.	.	.	NP_00094	.	protein_co	ENSG0000	5732	9594
PTGER3	0	0	0	0	0	0	prostaglandin E receptor 3 [Source:HGNC Symbol;Acc:HGNC:9595	chr1:71318	NM_00112	.	.	.	NP_00111	XP_011540	protein_co	ENSG0000	5733	9595
PTGER4	0.682838	1.32114	0.879935	1.32177	1.16161	1.44179	prostaglandin E receptor 4 [Source:HGNC Symbol;Acc:HGNC:9596	chr5:40512	NM_00095	.	.	.	NP_00094	.	protein_co	ENSG0000	5734	9596
PTGES	15.2962	13.0253	18.594	11.5908	9.80709	9.89141	prostaglandin E synthase [Source:HGNC Symbol;Acc:HGNC:9599]	chr9:13250	NM_00487	.	.	.	NP_00486	.	protein_co	ENSG0000	9536	9599
PTGES2	66.1558	66.9454	65.239	82.0076	58.5751	43.2917	prostaglandin E synthase 2 [Source:HGNC Symbol;Acc:HGNC:178	chr9:13088	NM_00125	XM_01151	.	.	NP_00124	XP_005252	protein_co	ENSG0000	80142	17822
PTGES3	226.438	231.558	225.025	288.799	406.767	379.706	prostaglandin E synthase 3 [Source:HGNC Symbol;Acc:HGNC:160	chr12:5705	NM_00128	.	NR_10421	.	NP_00126	XP_005268	protein_co	ENSG0000	10728	16049
PTGES3L	0.678892	0.319985	0.590572	0.684977	0.539638	0.904163	prostaglandin E synthase 3 like [Source:HGNC Symbol;Acc:HGNC:	chr17:4110	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	100885848	43943
PTGES3L-AARSD1	0.452947	0.619858	0.959511	0.638017	0.458737	0.197195	PTGES3L-AARSD1 readthrough [Source:HGNC Symbol;Acc:HGNC:	chr17:4110	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	100885850	43946
PTGFR	0	0	0	0	0	0	prostaglandin F receptor [Source:HGNC Symbol;Acc:HGNC:9600]	chr1:78769	NM_00095	XM_00671	.	.	NP_00095	XP_006710	protein_co	ENSG0000	5737	9600
PTGFRN	24.4982	25.0826	24.8111	22.2808	23.5948	21.7257	prostaglandin F2 receptor inhibitor [Source:HGNC Symbol;Acc:HG	chr1:11745	NM_02044	XM_01700	.	.	NP_06517	XP_016857	protein_co	ENSG0000	5738	9601
PTGIR	0	0.09254	0	0	0.180704	0	prostaglandin I2 (prostacyclin) receptor (IP) [Source:HGNC Symbo	chr19:4712	NM_00096	XM_00525	.	.	NP_00095	XP_005259	protein_co	ENSG0000	5739	9602
PTGIS	0	0	0	0	0	0	prostaglandin I2 (prostacyclin) synthase [Source:HGNC Symbol;Ac	chr20:4812	NM_00096	.	.	.	NP_00095	.	protein_co	ENSG0000	5740	9603
PTGR1	20.9553	21.3451	26.9118	18.7812	17.962	24.9379	prostaglandin reductase 1 [Source:HGNC Symbol;Acc:HGNC:1842	chr9:11428	NM_00114	XM_01151	.	.	NP_00113	XP_011516	protein_co	ENSG0000	22949	18429
PTGR2	7.1469	9.81527	10.4824	7.91804	7.57506	8.99781	prostaglandin reductase 2 [Source:HGNC Symbol;Acc:HGNC:2014	chr14:7431	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	145482	20149
PTGS1	1.25854	1.59941	2.9303	2.34583	1.73096	2.48015	prostaglandin-endoperoxide synthase 1 [Source:HGNC Symbol;Ac	chr9:12513	NM_00096	XM_01151	.	.	NP_00095	XP_005252	protein_co	ENSG0000	5742	9604
PTGS2	0.560106	0.63166	0.446793	0.173927	0.400802	0.61733	prostaglandin-endoperoxide synthase 2 [Source:HGNC Symbol;Ac	chr1:18664	NM_00096	.	.	.	NP_00095	.	protein_co	ENSG0000	5743	9605
PTH	0	0	0	0	0	0	parathyroid hormone [Source:HGNC Symbol;Acc:HGNC:9606]	chr11:1351	NM_00031	.	.	.	NP_00030	.	protein_co	ENSG0000	5741	9606
PTH1R	0.481039	0.431416	0.636051	0	0	0.048091	parathyroid hormone 1 receptor [Source:HGNC Symbol;Acc:HGN	chr3:46919	NM_00031	XM_01153	.	.	NP_00030	XP_005265	protein_co	ENSG0000	5745	9608
PTH2	2.65602	4.32354	5.40037	2.39836	1.35859	1.73748	parathyroid hormone 2 [Source:HGNC Symbol;Acc:HGNC:30828]	chr19:4992	NM_17844	.	.	.	NP_84854	.	protein_co	ENSG0000	113091	30828
PTH2R	0	0	0	0	0	0	parathyroid hormone 2 receptor [Source:HGNC Symbol;Acc:HGN	chr2:20922	NM_00504	XM_01151	.	.	NP_00129	.	protein_co	ENSG0000	5746	9609
PTHLH	0.195384	0.32179	0.095889	0.840982	0.310979	0.550699	parathyroid hormone like hormone [Source:HGNC Symbol;Acc:H	chr12:2811	NM_00282	XM_01152	.	.	NP_00281	XP_011519	protein_co	ENSG0000	5744	9607
PTK2	39.1401	38.0444	41.7926	38.3572	39.6805	48.6378	protein tyrosine kinase 2 [Source:HGNC Symbol;Acc:HGNC:9611]	chr8:14166	NM_00119	XM_01701	.	.	NP_00118	XP_005251	protein_co	ENSG0000	5747	9611
PTK2B	2.61342	2.38457	2.71188	2.642	2.08212	2.51592	protein tyrosine kinase 2 beta [Source:HGNC Symbol;Acc:HGNC:9	chr8:27168	NM_00410	XM_01154	.	.	NP_00409	XP_005273	protein_co	ENSG0000	2185	9612
PTK6	2.99093	2.84969	4.83248	2.12471	1.29411	2.32732	protein tyrosine kinase 6 [Source:HGNC Symbol;Acc:HGNC:9617]	chr20:6215	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	5753	9617
PTK7	53.9914	56.1273	64.6425	48.3311	45.1775	48.1214	protein tyrosine kinase 7 (inactive) [Source:HGNC Symbol;Acc:HG	chr6:43044	NM_00127	XM_01151	.	.	NP_00125	XP_011513	protein_co	ENSG0000	5754	9618
PTMA	1685.9	1758.29	1355.27	2188.14	1985.11	1560.65	prothymosin, alpha [Source:HGNC Symbol;Acc:HGNC:9623]	chr2:23257	NM_00109	XM_01151	NR_03605	.	NP_00109	XP_011509	protein_co	ENSG0000	100302285	9623
PTMS	197.409	177.399	197.002	225.144	189.148	226.485	parathymosin [Source:HGNC Symbol;Acc:HGNC:9629]	chr12:6857	NM_00282	XM_01152	.	.	NP_00281	XP_011519	protein_co	ENSG0000	5763	9629
PTN	0	0	0	0	0	0	pleiotrophin [Source:HGNC Symbol;Acc:HGNC:9630]	chr7:13691	NM_00132	XM_00525	.	.	NP_00130	XP_005250	protein_co	ENSG0000	5764	9630
PTOV1	64.4705	67.5569	70.7908	89.4124	73.6066	65.6374	prostate tumor overexpressed 1 [Source:HGNC Symbol;Acc:HGN	chr19:5035	NM_00130	XM_01152	.	.	NP_00129	XP_005259	protein_co	ENSG0000	53635	9632
PTP4A1	104.325	201.626	100.781	141.934	182.453	230.446	protein tyrosine phosphatase type IVA, member 1 [Source:HGNC	chr6:64281	NM_00346	XM_01153	.	.	NP_00345	XP_011534	protein_co	ENSG0000	7803	9634
PTP4A2	125.7	126.28	107.74	128.377	141.226	156.979	protein tyrosine phosphatase type IVA, member 2 [Source:HGNC	chr1:32372	NM_00119	XM_00671	.	.	NP_00118	XP_005271	protein_co	ENSG0000	8073	9635
PTP4A3	10.3327	10.9558	12.7244	10.1857	8.88273	13.4256	protein tyrosine phosphatase type IVA, member 3 [Source:HGNC	chr8:14240	NM_00707	XM_01701	.	.	NP_00901	XP_005250	protein_co	ENSG0000	11156	9636
PTPA	100.41	99.9674	88.0012	118.036	109.049	99.14	protein phosphatase 2 phosphatase activator [Source:HGNC Sym	chr9:13187	NM_00119	XM_01151	.	.	NP_00118	XP_011517	protein_co	ENSG0000	5524	9308
PTPDC1	4.28012	3.41358	3.02425	2.97908	3.41528	9.95287	protein tyrosine phosphatase domain containing 1 [Source:HGNC	chr9:96793	NM_00125	XM_01701	.	.	NP_00124	XP_005251	protein_co	ENSG0000	138639	30184
PTPMT1	68.6006	62.8603	52.1182	73.0757	58.691	51.3641	protein tyrosine phosphatase, mitochondrial 1 [Source:HGNC Syn	chr11:4758	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	114971	26965
PTPN1	24.8448	28.4741	30.3645	27.2436	28.4	28.432	protein tyrosine phosphatase, non-receptor type 1 [Source:HGNC	chr20:4912	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	5770	9642
PTPN11	58.9521	62.4581	60.5106	64.46	70.6737	72.7875	protein tyrosine phosphatase, non-receptor type 11 [Source:HGN	chr12:1128	NM_00283	XM_01701	.	.	NP_00282	XP_006719	protein_co	ENSG0000	5781	9644
PTPN12	21.4079	20.9673	28.3459	22.7646	32.3003	43.5785	protein tyrosine phosphatase, non-receptor type 12 [Source:HGN	chr7:77166	NM_00113	XM_01151	.	.	NP_00112	XP_005250	protein_co	ENSG0000	5782	9645
PTPN13	4.04687	4.82142	5.93176	4.69633	5.84838	7.94122	protein tyrosine phosphatase, non-receptor type 13 [Source:HGN	chr4:87515	NM_00626	XM_01700	.	.	NP_00625	XP_011530	protein_co	ENSG0000	5783	9646
PTPN14	4.21537	4.62447	5.52158	3.44176	4.11829	5.37162	protein tyrosine phosphatase, non-receptor type 14 [Source:HGN	chr1:21452	NM_00540	.	.	.	NP_00539	XP_016857	protein_co	ENSG0000	5784	9647
PTPN18	8.54274	8.86707	10.0278	8.49268	7.65002	8.37548	protein tyrosine phosphatase, non-receptor type 18 [Source:HGN	chr2:13111	NM_00114	XM_00671	.	.	NP_00113	XP_006712	protein_co	ENSG0000	26469	9649
PTPN2	20.1994	19.5322	19.0896	18.0622	23.0589	19.4776	protein tyrosine phosphatase, non-receptor type 2 [Source:HGNC	chr18:1278	NM_00120	XM_01152	.	.	NP_00119	XP_005258	protein_co	ENSG0000	5771	9650
PTPN20A	0	0.048318	0	0	0	0	protein tyrosine phosphatase, non-receptor type 20 [Source:HGN	chr10:4655	NM_00104	XM_01701	.	.	NP_00103	XP_005270	protein_co	ENSG0000	26095	23423
PTPN20B	0.044779	0	0	0	0.049183	0	protein tyrosine phosphatase, non-receptor type 20B [Source:HG	chr10:4873	NM_01560	XM_00527	.	.	NP_05642	XP_005277	protein_co	ENSG0000	26095	23423
PTPN21	2.94338	3.00352	2.61587	2.56762	2.83616	3.26539	protein tyrosine phosphatase, non-receptor type 21 [Source:HGN	chr14:8893	NM_00703	XM_01153	.	.	NP_00897	XP_005267	protein_co	ENSG0000	11099	9651
PTPN22	0	0.070962	0.144169	0	0.062145	0	protein tyrosine phosphatase, non-receptor type 22 [Source:HGN	chr1:11435	NM_00119	XM_01700	.	.	NP_00118	XP_005270	protein_co	ENSG0000	26191	9652
PTPN23	12.1866	12.4468	11.9279	12.2825	12.2694	10.0529	protein tyrosine phosphatase, non-receptor type 23 [Source:HGN	chr3:47422	NM_00130	XM_00526	.	.	NP_00129	XP_005265	protein_co	ENSG0000	25930	14406
PTPN3	8.14905	8.03557	9.52154	8.04706	7.93809	8.66614	protein tyrosine phosphatase, non-receptor type 3 [Source:HGNC	chr9:11213	NM_00114	XM_01701	.	.	NP_00113	XP_006717	protein_co	ENSG0000	5774	9655
PTPN4	2.46979	2.00378	2.2731	2.10236	2.40957	3.02577	protein tyrosine phosphatase, non-receptor type 4 [Source:HGNC	chr2:12051	NM_00283	XM_01700	.	.	NP_00282	XP_011509	protein_co	ENSG0000	5775	9656
PTPN5	0.051899	0	0	0	0	0	protein tyrosine phosphatase, non-receptor type 5 [Source:HGNC	chr11:1874	NM_00103	XM_01152	.	.	NP_00103	XP_011518	protein_co	ENSG0000	84867	9657
PTPN6	19.0916	16.5893	17.4008	20.5846	15.7344	16.2278	protein tyrosine phosphatase, non-receptor type 6 [Source:HGNC	chr12:7055	NM_00283	XM_01152	.	.	NP_00282	XP_006719	protein_co	ENSG0000	5777	9658
PTPN7	0.041201	0.104495	0.071446	0.179766	0.023418	0.172119	protein tyrosine phosphatase, non-receptor type 7 [Source:HGNC	chr1:20211	NM_00119	XM_01150	.	.	NP_00118	XP_011508	protein_co	ENSG0000	5778	9659
PTPN9	11.7722	11.3162	10.7326	13.2187	13.4549	13.4408	protein tyrosine phosphatase, non-receptor type 9 [Source:HGNC	chr15:7575	NM_00283	.	.	.	NP_00282	.	protein_co	ENSG0000	5780	9661
PTPRA	30.0254	28.3344	26.7774	27.2665	23.167	24.4072	protein tyrosine phosphatase, receptor type A [Source:HGNC Sym	chr20:2815	NM_00283	.	.	.	NP_00282	.	protein_co	ENSG0000	5786	9664
PTPRB	0.009352	0	0.005013	0	0.011999	0.021791	protein tyrosine phosphatase, receptor type B [Source:HGNC Sym	chr12:7090	NM_00110	XM_01153	.	.	NP_00110	XP_006719	protein_co	ENSG0000	5787	9665

PTPRC	0	0	0	0	0	0	protein tyrosine phosphatase, receptor type C [Source:HGNC Sym	chr1:19860	NM_00126	XM_00671	.	.	NP_00125	XP_006711	protein_co	ENSG0000	5788	9666
PTPRCAP	0.705495	0.892744	0.36373	1.1985	1.48565	1.58313	protein tyrosine phosphatase, receptor type C associated protein	chr11:6720	NM_00560	.	.	.	NP_00559	.	protein_co	ENSG0000	5790	9667
PTPRD	0	0	0	0	0	0	protein tyrosine phosphatase, receptor type D [Source:HGNC Sym	chr9:83142	NM_00104	XM_01701	.	.	NP_00103	XP_006716	protein_co	ENSG0000	5789	9668
PTPRE	4.32822	4.06761	4.2315	3.50855	3.44383	3.0676	protein tyrosine phosphatase, receptor type E [Source:HGNC Sym	chr10:1297	NM_00131	XM_01154	.	.	NP_00130	XP_005252	protein_co	ENSG0000	5791	9669
PTPRF	39.9074	41.9962	49.5954	35.7464	38.5466	42.17	protein tyrosine phosphatase, receptor type F [Source:HGNC Sym	chr1:43996	NM_00284	XM_01154	.	.	NP_00283	XP_005271	protein_co	ENSG0000	5792	9670
PTPRG	7.745	7.17148	9.65361	7.34797	9.27193	14.4584	protein tyrosine phosphatase, receptor type G [Source:HGNC Sym	chr3:61547	NM_00284	XM_01700	.	.	NP_00283	XP_005265	protein_co	ENSG0000	5793	9671
PTPRH	2.70976	3.19714	2.67391	1.93409	1.66503	2.5937	protein tyrosine phosphatase, receptor type H [Source:HGNC Sym	chr19:5569	NM_00116	XM_01702	.	.	NP_00115	XP_011525	protein_co	ENSG0000	5794	9672
PTPRJ	6.48967	7.36756	7.85699	5.27105	5.55157	6.25151	protein tyrosine phosphatase, receptor type J [Source:HGNC Sym	chr11:4800	NM_00109	XM_01701	.	.	NP_00109	XP_016873	protein_co	ENSG0000	5795	9673
PTPRK	9.97191	10.4192	9.65928	10.0906	11.9532	12.7332	protein tyrosine phosphatase, receptor type K [Source:HGNC Sym	chr6:12828	NM_00113	XM_01701	.	.	NP_00112	XP_006715	protein_co	ENSG0000	5796	9674
PTPRM	2.32973	2.07415	2.24058	1.68847	1.69842	2.31355	protein tyrosine phosphatase, receptor type M [Source:HGNC Sy	chr18:7566	NM_00110	XM_01702	.	.	NP_00109	XP_011524	protein_co	ENSG0000	5797	9675
PTPRN	0	0.023561	0	0	0	0.025369	protein tyrosine phosphatase, receptor type N [Source:HGNC Sym	chr2:22015	NM_00119	XM_01700	.	.	NP_00118	XP_011509	protein_co	ENSG0000	5798	9676
PTPRN2	1.14036	1.41191	0.853332	1.13612	1.09959	1.11379	protein tyrosine phosphatase, receptor type N2 [Source:HGNC Sy	chr7:15733	NM_00130	XM_01701	.	.	NP_00129	XP_011514	protein_co	ENSG0000	5799	9677
PTPRO	0.051301	0.081967	0	0.029165	0	0	protein tyrosine phosphatase, receptor type O [Source:HGNC Sym	chr12:1547	NM_00284	XM_01152	.	.	NP_00283	.	protein_co	ENSG0000	5800	9678
PTPRQ	0	0	0	0	0	0	protein tyrosine phosphatase, receptor type Q [Source:HGNC Sym	chr12:8083	NM_00114	XM_01153	.	.	NP_00113	XP_016874	protein_co	ENSG0000	374462	9679
PTPRR	0.028509	0.071473	0	0.257924	0.095435	0.241433	protein tyrosine phosphatase, receptor type R [Source:HGNC Sym	chr12:7103	NM_00120	XM_01153	.	.	NP_00119	XP_011536	protein_co	ENSG0000	5801	9680
PTPRS	13.3869	14.4316	18.8541	13.7109	14.3929	12.8527	protein tyrosine phosphatase, receptor type S [Source:HGNC Sym	chr19:5206	NM_00285	XM_01152	.	.	NP_00284	XP_005259	protein_co	ENSG0000	5802	9681
PTPRT	0	0	0	0	0	0	protein tyrosine phosphatase, receptor type T [Source:HGNC Sym	chr20:4070	NM_00705	XM_01702	.	.	NP_00898	XP_011526	protein_co	ENSG0000	11122	9682
PTPRU	15.501	15.0426	17.1535	15.516	15.9296	15.1338	protein tyrosine phosphatase, receptor type U [Source:HGNC Sym	chr1:29563	NM_00119	XM_00671	.	.	NP_00118	XP_006710	protein_co	ENSG0000	10076	9683
PTPRZ1	0.028056	0.044814	0.085478	0.047674	0.009965	0.097334	protein tyrosine phosphatase, receptor type Z1 [Source:HGNC Sy	chr7:12151	NM_00120	XM_01701	.	.	NP_00119	XP_005250	protein_co	ENSG0000	5803	9685
PTRF	48.8189	49.9629	49.4657	53.5702	46.2288	41.0802	polymerase I and transcript release factor [Source:HGNC Symbol;	chr17:4055	NM_01223	.	.	.	NP_03636	.	protein_co	ENSG0000	284119	9688
PTRH1	25.7606	26.5086	29.0758	19.1626	15.4814	17.8617	peptidyl-tRNA hydrolase 1 homolog [Source:HGNC Symbol;Acc:H	chr9:13046	NM_00100	XM_00671	.	.	NP_00100	XP_006717	protein_co	ENSG0000	138428	27039
PTRH2	75.3329	73.8326	79.8919	98.1304	82.1477	69.0957	peptidyl-tRNA hydrolase 2 [Source:HGNC Symbol;Acc:HGNC:2426	chr17:5777	NM_00101	XM_01152	.	.	NP_00101	XP_005257	protein_co	ENSG0000	51651	24265
PTRHD1	18.5788	15.7167	13.5982	18.5972	12.6434	12.758	peptidyl-tRNA hydrolase domain containing 1 [Source:HGNC Sym	chr2:25012	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	391356	33782
PTS	25.5498	24.7072	23.1425	30.2704	29.644	25.7277	6-pyruvoyltetrahydropterin synthase [Source:HGNC Symbol;Acc:H	chr11:1120	NM_00031	.	.	.	NP_00030	.	protein_co	ENSG0000	5805	9689
PTTG1	199.439	177.565	145.475	382.468	282.704	206.9	pituitary tumor-transforming 1 [Source:HGNC Symbol;Acc:HGNC:	chr5:15984	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	9232	9690
PTTG1IP	75.3689	77.8906	74.6277	72.7691	71.657	74.5129	pituitary tumor-transforming 1 interacting protein [Source:HGNC	chr21:4626	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	754	13524
PTTG2	3.23588	3.52963	2.70468	5.30921	3.18191	3.81156	pituitary tumor-transforming 2 [Source:HGNC Symbol;Acc:HGNC:	chr4:37892	NM_00660	.	.	.	NP_00659	.	protein_co	ENSG0000	10744	9691
PTX3	0.125063	0.173517	0.03607	0.04674	0.093474	0.125845	pentraxin 3 [Source:HGNC Symbol;Acc:HGNC:9692]	chr3:15697	NM_00285	.	.	.	NP_00284	.	protein_co	ENSG0000	5806	9692
PTX4	0.063506	0	0.072571	0	0	0.072636	pentraxin 4 [Source:HGNC Symbol;Acc:HGNC:14171]	chr16:1535	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	390667	14171
PUDP	11.6937	10.8764	11.7748	10.2342	11.3385	12.7193	pseudouridine 5'-phosphatase [Source:HGNC Symbol;Acc:HGNC:1	chrX:69669	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	8226	16818
PUF60	143.495	146.305	121.965	179.963	158.321	130.043	poly(U) binding splicing factor 60 [Source:HGNC Symbol;Acc:HGN	chr8:14489	NM_00113	XM_01701	.	.	NP_00112	XP_011515	protein_co	ENSG0000	22827	17042
PUM1	24.399	26.7565	23.0983	23.4188	24.5709	24.4822	pumilio RNA binding family member 1 [Source:HGNC Symbol;Acc	chr1:31404	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	9698	14957
PUM2	29.6609	30.9498	30.623	27.7234	32.3776	37.3103	pumilio RNA binding family member 2 [Source:HGNC Symbol;Acc	chr2:20448	NM_00128	XM_01700	.	.	NP_00126	XP_005262	protein_co	ENSG0000	23369	14958
PUM3	20.0687	18.4489	18.5987	21.3748	21.1669	19.465	pumilio RNA binding family member 3 [Source:HGNC Symbol;Acc	chr9:28041	NM_01487	.	.	.	NP_05569	.	protein_co	ENSG0000	9933	29676
PURA	3.65448	4.01066	3.76769	3.29066	4.54787	4.73589	purine rich element binding protein A [Source:HGNC Symbol;Acc:	chr5:13949	NM_00585	.	.	.	NP_00585	.	protein_co	ENSG0000	5813	9701
PURB	7.54112	8.4332	8.28605	7.12217	8.54016	9.37152	purine rich element binding protein B [Source:HGNC Symbol;Acc:	chr7:44915	NM_03322	.	NR_03980	.	NP_15009	.	protein_co	ENSG0000	100616393	9702
PURG	0	0.035695	0.030463	0	0.080092	0	purine rich element binding protein G [Source:HGNC Symbol;Acc:	chr8:30853	NM_00101	XM_00527	.	.	NP_00101	XP_005273	protein_co	ENSG0000	29942	17930
PUS1	32.2193	36.1746	34.133	40.7241	35.4748	29.9844	pseudouridylate synthase 1 [Source:HGNC Symbol;Acc:HGNC:155	chr12:1324	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	80324	15508
PUS10	2.2784	2.01572	2.01808	2.24978	1.6915	2.57398	pseudouridylate synthase 10 [Source:HGNC Symbol;Acc:HGNC:26	chr2:61169	NM_14470	XM_01153	.	.	NP_00130	XP_006712	protein_co	ENSG0000	150962	26505
PUS3	8.9535	9.89143	9.44342	10.1572	9.222	7.48403	pseudouridylate synthase 3 [Source:HGNC Symbol;Acc:HGNC:254	chr11:1257	NM_00127	.	.	.	NP_00125	XP_005271	protein_co	ENSG0000	83480	25461
PUS7	14.5752	15.3388	21.0996	17.7052	19.9231	15.1	pseudouridylate synthase 7 (putative) [Source:HGNC Symbol;Acc:	chr7:10509	NM_00131	XM_01701	.	.	NP_00130	XP_005250	protein_co	ENSG0000	54517	26033
PUS7L	4.31627	3.91417	4.94871	3.02885	5.40096	4.88416	pseudouridylate synthase 7 like [Source:HGNC Symbol;Acc:HGNC	chr12:4411	NM_00109	XM_01153	.	.	NP_00109	XP_005269	protein_co	ENSG0000	83448	25276
PUSL1	32.7318	34.5559	33.9982	32.8987	25.1481	23.6732	pseudouridylate synthase-like 1 [Source:HGNC Symbol;Acc:HGNC	chr1:12439	NM_15333	XM_00671	.	.	NP_69917	.	protein_co	ENSG0000	126789	26914
PVALB	0	0	0	0	0	0	parvalbumin [Source:HGNC Symbol;Acc:HGNC:9704]	chr22:3719	NM_00131	XM_01153	.	.	NP_00130	XP_006724	protein_co	ENSG0000	5816	9704
PVR	33.1058	33.102	30.5254	28.5518	26.1962	28.819	poliovirus receptor [Source:HGNC Symbol;Acc:HGNC:9705]	chr19:4514	NM_00113	XM_00525	.	.	NP_00112	.	protein_co	ENSG0000	5817	9705
PVRIG	0	0.056133	0	0	0	0	poliovirus receptor related immunoglobulin domain containing [S	chr7:99775	NM_02407	XM_01151	.	.	NP_07697	XP_011514	protein_co	ENSG0000	79037	32190
PWP1	36.8992	36.9372	38.2281	35.4396	39.5907	28.5462	PWP1 homolog, endonuclein [Source:HGNC Symbol;Acc:HGNC:17	chr12:1080	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	11137	17015
PWP2	0.006783	0.006195	0.005125	0.00534	0.00052	0.008183	PWP2 periodic tryptophan protein homolog (yeast) [Source:HGN	chr21:4552	NM_00504	XM_01150	.	.	NP_00504	XP_011507	protein_co	ENSG0000	102724159	9711
PWWP2A	5.87979	6.07733	7.18131	5.07537	7.25242	7.34579	PWWP domain containing 2A [Source:HGNC Symbol;Acc:HGNC:2	chr5:15950	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	114825	29406
PWWP2B	6.88596	9.04763	7.6725	7.32123	7.05046	7.03439	PWWP domain containing 2B [Source:HGNC Symbol;Acc:HGNC:2	chr10:1342	NM_00109	XM_00671	.	.	NP_00109	XP_006717	protein_co	ENSG0000	170394	25150
PXDC1	5.75071	6.78282	6.01398	5.79454	5.14574	5.91338	PX domain containing 1 [Source:HGNC Symbol;Acc:HGNC:21361]	chr6:37228	NM_18337	XM_01151	.	.	NP_89922	XP_011512	protein_co	ENSG0000	221749	21361
PXDN	4.98972	5.20679	6.42553	4.3011	4.84636	4.75843	peroxidasin [Source:HGNC Symbol;Acc:HGNC:14966]	chr2:16356	NM_01229	XM_01151	.	.	NP_03642	XP_005264	protein_co	ENSG0000	7837	14966
PXDNL	0	0	0	0	0	0	peroxidasin like [Source:HGNC Symbol;Acc:HGNC:26359]	chr8:52232	NM_14465	XM_01151	.	.	NP_65325	XP_006716	protein_co	ENSG0000	137902	26359
PXK	5.50753	4.80781	5.83451	4.05143	4.54864	6.27219	PX domain containing serine/threonine kinase like [Source:HGNC	chr3:58318	NM_00128	XM_01700	.	.	NP_00127	XP_005265	protein_co	ENSG0000	54899	23326
PXMP2	27.3743	21.884	25.6304	33.7485	26.3694	25.0041	peroxisomal membrane protein 2 [Source:HGNC Symbol;Acc:HGN	chr12:1332	NM_01866	.	.	.	NP_06113	.	protein_co	ENSG0000	5827	9716
PXMP4	5.89051	5.36322	6.53945	3.97333	3.01984	4.48274	peroxisomal membrane protein 4 [Source:HGNC Symbol;Acc:HGN	chr20:3229	NM_00723	.	.	.	NP_00916	.	protein_co	ENSG0000	11264	15920
PXN	74.1744	79.1049	77.3171	78.6987	78.4647	88.3808	paxillin [Source:HGNC Symbol;Acc:HGNC:9718]	chr12:1206	NM_00108	XM_01701	.	.	NP_00107	XP_005253	protein_co	ENSG0000	5829	9718
PXT1	0	0	0	0.043108	0.084985	0	peroxisomal, testis specific 1 [Source:HGNC Symbol;Acc:HGNC:18	chr6:36358	NM_15299	XM_01151	.	.	NP_69453	XP_011512	protein_co	ENSG0000	222659	18312
PXYLP1	8.59162	8.5599	10.3347	8.62738	8.59509	7.80945	2-phosphoxylose phosphatase 1 [Source:HGNC Symbol;Acc:HGN	chr3:14095	NM_00103	XM_01151	.	.	NP_00103	XP_005247	protein_co	ENSG0000	92370	26303

PYCARD	0	0	0	0	0	0	PYD and CARD domain containing [Source:HGNC Symbol;Acc:HGN	chr16:3121	NM_01325	.	.	.	NP_03739	.	protein_co	ENSG0000	29108	16608
PYCR1	199.25	201.97	175.398	208.882	169.882	235.676	pyrroline-5-carboxylate reductase 1 [Source:HGNC Symbol;Acc:H	chr17:7989	NM_00128	XM_01702	.	.	NP_00126	XP_005256	protein_co	ENSG0000	5831	9721
PYCR2	69.3962	69.3488	67.8531	72.2238	67.0533	70.7769	pyrroline-5-carboxylate reductase family member 2 [Source:HGN	chr1:22607	NM_00127	.	NR_10679	.	NP_00125	.	protein_co	ENSG0000	102466270	30262
PYCRL	15.853	14.823	17.3938	12.2232	9.49726	8.35933	pyrroline-5-carboxylate reductase-like [Source:HGNC Symbol;Acc	chr8:14468	NM_02307	.	.	.	NP_07556	.	protein_co	ENSG0000	65263	25846
PYDC1	0	0	0	0	0	0	pyrin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:3026	chr16:3122	NM_15290	.	.	.	NP_69086	.	protein_co	ENSG0000	260434	30261
PYGB	31.8735	30.1501	25.8711	33.4669	29.6917	46.8105	phosphorylase, glycogen; brain [Source:HGNC Symbol;Acc:HGNC:	chr20:2522	NM_00286	.	.	.	NP_00285	.	protein_co	ENSG0000	5834	9723
PYGL	70.6138	70.1961	83.6627	78.3266	75.4065	76.3355	phosphorylase, glycogen, liver [Source:HGNC Symbol;Acc:HGNC:9	chr14:5132	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	5836	9725
PYGM	0.287948	0.366215	0.248566	0.397173	0.301511	0.285097	phosphorylase, glycogen, muscle [Source:HGNC Symbol;Acc:HGN	chr11:6451	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	5837	9726
PYGO1	0.194804	0.234894	0.14336	0.372084	0.501945	0.16521	pygopus family PHD finger 1 [Source:HGNC Symbol;Acc:HGNC:30	chr15:5583	NM_01561	XM_01152	.	.	NP_05643	XP_005254	protein_co	ENSG0000	26108	30256
PYGO2	21.6975	21.0362	19.6539	19.3555	18.8711	21.9008	pygopus family PHD finger 2 [Source:HGNC Symbol;Acc:HGNC:30	chr1:15492	NM_13830	.	.	.	NP_61215	.	protein_co	ENSG0000	90780	30257
PYHIN1	0	0	0	0	0	0	pyrin and HIN domain family member 1 [Source:HGNC Symbol;Ac	chr1:15890	NM_15250	XM_01150	.	.	NP_68971	XP_005244	protein_co	ENSG0000	149628	28894
PYM1	28.9147	26.3232	20.5532	28.7875	24.1562	27.3958	PYM homolog 1, exon junction complex associated factor [Source	chr12:5629	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	84305	30258
PYROXD1	4.82917	4.18787	3.56542	2.78448	4.05243	5.56508	pyridine nucleotide-disulphide oxidoreductase domain 1 [Source:	chr12:2159	NM_02485	.	.	.	NP_07913	.	protein_co	ENSG0000	79912	26162
PYROXD2	1.94125	1.90587	2.48913	1.88888	1.56673	1.43549	pyridine nucleotide-disulphide oxidoreductase domain 2 [Source:	chr10:1001	NM_03270	XM_01154	NR_03161	.	NP_11609	XP_011538	protein_co	ENSG0000	100302133	23517
PYURF	75.3483	67.9216	68.2581	82.6414	85.0987	71.4324	PIGY upstream reading frame [Source:HGNC Symbol;Acc:HGNC:4	chr4:89442	NM_03290	.	.	.	NP_11629	.	protein_co	ENSG0000	100996939	44317
PYY	0.449897	0.381667	0.600302	0.51636	0.60694	0.589408	peptide YY [Source:HGNC Symbol;Acc:HGNC:9748]	chr17:4203	NM_00416	XM_01152	.	.	NP_00415	XP_011523	protein_co	ENSG0000	5697	9748
PZP	0	0	0	0	0	0	PZP, alpha-2-macroglobulin like [Source:HGNC Symbol;Acc:HGNC	chr12:9301	NM_00286	XM_01701	.	.	NP_00285	XP_011519	protein_co	ENSG0000	5858	9750
QARS	66.9023	67.0929	87.1927	75.2399	64.126	77.4796	glutaminyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:97	chr3:49133	NM_00127	.	NR_10695	.	NP_00125	XP_016862	protein_co	ENSG0000	102465536	9751
QDPR	29.0978	31.5048	27.631	38.7059	36.0049	23.7883	quinoid dihydropteridine reductase [Source:HGNC Symbol;Acc:H	chr4:17461	NM_00032	XM_01151	.	.	NP_00031	XP_011512	protein_co	ENSG0000	5860	9752
QKI	6.06741	6.16133	6.84226	4.92856	6.11438	7.24001	QKI, KH domain containing RNA binding [Source:HGNC Symbol;Ac	chr6:16383	NM_00130	XM_01701	.	.	NP_00128	XP_011534	protein_co	ENSG0000	9444	21100
QPCT	0	0.050899	0.041928	0	0.05466	0.04902	glutaminyl-peptide cyclotransferase [Source:HGNC Symbol;Acc:H	chr2:37571	NM_01241	.	.	.	NP_03654	.	protein_co	ENSG0000	25797	9753
QPCTL	6.6057	7.33161	8.98159	9.60196	7.63289	7.94039	glutaminyl-peptide cyclotransferase like [Source:HGNC Symbol;A	chr19:4619	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	54814	25952
QPRT	0.410596	0.152979	0.288414	0.18646	0.132133	0.227762	quinolinate phosphoribosyltransferase [Source:HGNC Symbol;Acc	chr16:2967	NM_01429	XM_01702	.	.	NP_00130	XP_005255	protein_co	ENSG0000	105369247	9755
QRFP	0	0	0	0	0	0	pyroglutamylated RFamide peptide [Source:HGNC Symbol;Acc:H	chr9:13376	NM_19818	.	.	.	NP_93782	.	protein_co	ENSG0000	347148	29982
QRFPR	0.074238	0	0	0	0	0	pyroglutamylated RFamide peptide receptor [Source:HGNC Symb	chr4:12225	NM_19817	.	.	.	NP_93782	XP_016864	protein_co	ENSG0000	84109	15565
QRICH1	33.0023	36.2957	30.9793	35.0401	33.6644	30.5145	glutamine rich 1 [Source:HGNC Symbol;Acc:HGNC:24713]	chr3:49067	NM_01773	XM_01153	.	.	NP_00130	XP_005265	protein_co	ENSG0000	54870	24713
QRICH2	1.53017	1.47359	1.32538	1.49159	1.16535	0.852767	glutamine rich 2 [Source:HGNC Symbol;Acc:HGNC:25326]	chr17:7427	NM_03213	XM_01152	.	.	NP_11551	XP_005257	protein_co	ENSG0000	84074	25326
QRSL1	8.87469	9.78669	8.71441	9.72818	10.4787	8.28254	glutaminyl-tRNA synthase (glutamine-hydrolyzing)-like 1 [Source:	chr6:10707	NM_01829	XM_01153	.	.	NP_06076	XP_011534	protein_co	ENSG0000	55278	21020
QSER1	14.1872	14.1652	14.836	13.5409	18.5123	16.7684	glutamine and serine rich 1 [Source:HGNC Symbol;Acc:HGNC:261	chr11:3291	NM_00107	XM_01701	.	.	NP_00107	XP_016873	protein_co	ENSG0000	79832	26154
QSOX1	29.2621	31.8099	31.0657	29.8448	29.1769	28.4328	quiescin sulfhydryl oxidase 1 [Source:HGNC Symbol;Acc:HGNC:97	chr1:18012	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	5768	9756
QSOX2	19.3771	21.4647	20.9323	19.1681	16.2833	16.2755	quiescin sulfhydryl oxidase 2 [Source:HGNC Symbol;Acc:HGNC:30	chr9:13909	NM_18170	.	.	.	NP_85905	.	protein_co	ENSG0000	169714	30249
QTRT1	25.8361	26.7527	23.2071	27.2616	24.4882	19.3827	queuine tRNA-ribosyltransferase catalytic subunit 1 [Source:HGN	chr19:1081	NM_03120	.	.	.	NP_11248	.	protein_co	ENSG0000	81890	23797
QTRT2	19.497	19.7146	17.3645	18.7528	21.1211	17.4425	queuine tRNA-ribosyltransferase accessory subunit 2 [Source:HG	chr3:11377	NM_00125	XM_01151	.	.	NP_00124	XP_005247	protein_co	ENSG0000	79691	25771
R3HCC1	20.5813	21.2067	15.6869	26.8245	19.0881	14.2151	R3H domain and coiled-coil containing 1 [Source:HGNC Symbol;A	chr8:23145	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	203069	27329
R3HCC1L	6.20861	6.69967	6.70476	5.66235	6.80408	5.61729	R3H domain and coiled-coil containing 1 like [Source:HGNC Symb	chr10:9989	NM_00125	XM_01701	.	.	NP_00124	XP_011537	protein_co	ENSG0000	27291	23512
R3HDM1	12.1705	13.4117	12.7864	12.1854	13.4622	14.6048	R3H domain containing 1 [Source:HGNC Symbol;Acc:HGNC:9757]	chr2:13628	NM_00128	XM_01700	.	.	NP_00126	XP_005263	protein_co	ENSG0000	23518	9757
R3HDM2	6.15285	6.84755	7.19141	4.81867	5.64277	9.16348	R3H domain containing 2 [Source:HGNC Symbol;Acc:HGNC:29167	chr12:5764	NM_01492	XM_01701	.	.	NP_05574	XP_005268	protein_co	ENSG0000	22864	29167
R3HDM4	56.54	51.971	52.875	44.0411	37.5795	49.4257	R3H domain containing 4 [Source:HGNC Symbol;Acc:HGNC:28270	chr19:8965	NM_13877	XM_01152	.	.	NP_62012	XP_011526	protein_co	ENSG0000	91300	28270
R3HDML	0	0	0	0	0	0	R3H domain containing like [Source:HGNC Symbol;Acc:HGNC:162	chr20:4296	NM_17849	.	.	.	NP_84858	.	protein_co	ENSG0000	140902	16249
RAB10	64.3342	64.9994	67.1935	60.2112	70.8673	82.357	RAB10, member RAS oncogene family [Source:HGNC Symbol;Acc:	chr2:26256	NM_01613	.	.	.	NP_05721	.	protein_co	ENSG0000	10890	9759
RAB11A	162.751	152.472	172.289	189.671	205.104	201.809	RAB11A, member RAS oncogene family [Source:HGNC Symbol;Ac	chr15:6616	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	8766	9760
RAB11B	52.1348	54.0321	46.9146	51.6838	44.4304	39.5962	RAB11B, member RAS oncogene family [Source:HGNC Symbol;Ac	chr19:8455	NM_00421	.	.	.	NP_00420	.	protein_co	ENSG0000	9230	9761
RAB11FIP1	12.8209	13.0845	14.1887	13.4952	16.0097	16.4372	RAB11 family interacting protein 1 [Source:HGNC Symbol;Acc:HG	chr8:37716	NM_00100	.	.	.	NP_00100	XP_016869	protein_co	ENSG0000	80223	30265
RAB11FIP2	6.1884	6.27468	5.1866	5.11395	6.30343	8.08544	RAB11 family interacting protein 2 [Source:HGNC Symbol;Acc:HG	chr10:1197	NM_01490	XM_01153	.	.	NP_05571	XP_005269	protein_co	ENSG0000	22841	29152
RAB11FIP3	5.08505	4.89831	5.58883	4.97067	4.22875	3.6015	RAB11 family interacting protein 3 [Source:HGNC Symbol;Acc:HG	chr16:4756	NM_00114	XM_01152	.	.	NP_00113	XP_005255	protein_co	ENSG0000	9727	17224
RAB11FIP4	6.10581	5.49878	5.8233	6.51153	5.75914	6.83842	RAB11 family interacting protein 4 [Source:HGNC Symbol;Acc:HG	chr17:2971	NM_00130	.	NR_03987	.	NP_00129	.	protein_co	ENSG0000	100616248	30267
RAB11FIP5	11.2041	11.3208	11.9498	12.7639	12.0504	10.8141	RAB11 family interacting protein 5 [Source:HGNC Symbol;Acc:HG	chr2:73300	NM_01547	XM_00671	.	.	NP_05628	XP_005264	protein_co	ENSG0000	26056	24845
RAB12	21.4753	20.4423	19.6432	18.168	17.8216	22.066	RAB12, member RAS oncogene family [Source:HGNC Symbol;Acc:	chr18:8609	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	201475	31332
RAB13	62.5457	55.2581	62.7638	54.2847	48.6784	50.6907	RAB13, member RAS oncogene family [Source:HGNC Symbol;Acc:	chr1:15395	NM_00127	.	.	.	NP_00125	XP_016857	protein_co	ENSG0000	5872	9762
RAB14	28.775	29.5465	27.2674	27.9013	34.1683	34.4984	RAB14, member RAS oncogene family [Source:HGNC Symbol;Acc:	chr9:12394	NM_01632	.	.	.	NP_05740	.	protein_co	ENSG0000	51552	16524
RAB15	4.00029	4.07935	4.21729	7.12666	6.82196	4.71965	RAB15, member RAS oncogene family [Source:HGNC Symbol;Acc:	chr14:6538	NM_00130	XM_01153	.	.	NP_00129	XP_005267	protein_co	ENSG0000	376267	20150
RAB17	12.0191	11.3305	11.6304	12.242	11.384	11.7075	RAB17, member RAS oncogene family [Source:HGNC Symbol;Acc:	chr2:23848	NM_02244	XM_00671	.	.	NP_07189	XP_006712	protein_co	ENSG0000	64284	16523
RAB18	19.2159	19.4544	21.2885	19.8271	21.4709	20.2919	RAB18, member RAS oncogene family [Source:HGNC Symbol;Acc:	chr10:2779	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	22931	14244
RAB19	0.778616	1.27066	0.943437	0.44289	0.712735	0.573091	RAB19, member RAS oncogene family [Source:HGNC Symbol;Acc:	chr7:14010	NM_00100	XM_01151	.	.	NP_00100	XP_005250	protein_co	ENSG0000	401409	19982
RAB1A	91.1964	95.8551	91.5959	90.6854	104.366	90.3386	RAB1A, member RAS oncogene family [Source:HGNC Symbol;Acc	chr2:65283	NM_00416	XM_00526	.	.	NP_00415	XP_005264	protein_co	ENSG0000	5861	9758
RAB1B	106.564	112.583	105.721	112.241	95.1993	93.5003	RAB1B, member RAS oncogene family [Source:HGNC Symbol;Acc:	chr11:6603	NM_03098	.	.	.	NP_11224	.	protein_co	ENSG0000	81876	18370
RAB20	7.6556	7.22721	8.78823	9.21963	6.87977	9.23664	RAB20, member RAS oncogene family [Source:HGNC Symbol;Acc:	chr13:1111	NM_01781	.	.	.	NP_06028	.	protein_co	ENSG0000	55647	18260
RAB21	3.92954	4.34565	3.81921	4.30722	4.38729	4.00504	RAB21, member RAS oncogene family [Source:HGNC Symbol;Acc:	chr12:7214	NM_01499	.	.	.	NP_05581	.	protein_co	ENSG0000	23011	18263
RAB22A	5.51905	5.7197	4.88089	4.70342	6.0236	6.39448	RAB22A, member RAS oncogene family [Source:HGNC Symbol;Ac	chr20:5688	NM_02067	.	.	.	NP_06572	.	protein_co	ENSG0000	57403	9764

RAB23	6.35123	5.77886	5.92659	8.49586	7.51686	8.95441	RAB23, member RAS oncogene family [Source:HGNC Symbol;Acc	chr6:57037	NM_00127	.	.	.	NP_001265	.	protein_co	ENSG0000	51715	14263
RAB24	8.6646	8.39339	6.94775	10.1342	7.64585	8.39967	RAB24, member RAS oncogene family [Source:HGNC Symbol;Acc	chr5:17672	NM_00103	.	NR_109790	.	NP_001026	.	protein_co	ENSG0000	53917	9765
RAB25	79.9322	72.6338	76.0085	85.0889	72.066	72.784	RAB25, member RAS oncogene family [Source:HGNC Symbol;Acc	chr1:15603	NM_02038	.	.	.	NP_065120	.	protein_co	ENSG0000	57111	18238
RAB26	10.5309	10.6675	21.8906	6.71604	5.08772	5.00494	RAB26, member RAS oncogene family [Source:HGNC Symbol;Acc	chr16:2198	NM_00130	XM_01152	.	.	NP_001294	XP_011520	protein_co	ENSG0000	25837	14259
RAB27A	4.19659	3.69294	4.11627	4.5573	4.77524	4.80074	RAB27A, member RAS oncogene family [Source:HGNC Symbol;Ac	chr15:5549	NM_00458	XM_01152	.	.	NP_004571	XP_005254	protein_co	ENSG0000	5873	9766
RAB27B	0.710737	0.789587	0.705009	0.910378	1.40576	1.22906	RAB27B, member RAS oncogene family [Source:HGNC Symbol;Ac	chr18:5249	NM_00416	XM_01702	.	.	NP_004154	XP_005266	protein_co	ENSG0000	5874	9767
RAB28	12.1931	12.2548	11.1494	14.8506	13.3509	14.5276	RAB28, member RAS oncogene family [Source:HGNC Symbol;Acc	chr4:13369	NM_00101	XM_00524	.	.	NP_001017	XP_005248	protein_co	ENSG0000	9364	9768
RAB29	14.6759	14.12	17.358	15.7457	14.842	12.1416	RAB29, member RAS oncogene family [Source:HGNC Symbol;Acc	chr1:20573	NM_00113	XM_01151	.	.	NP_001129	XP_005245	protein_co	ENSG0000	8934	9789
RAB2A	50.0782	50.2784	49.4842	56.0314	46.7439	53.6116	RAB2A, member RAS oncogene family [Source:HGNC Symbol;Acc	chr8:61429	NM_00124	.	.	.	NP_001229	.	protein_co	ENSG0000	5862	9763
RAB2B	8.42914	8.41743	7.88125	7.57886	9.12797	10.6223	RAB2B, member RAS oncogene family [Source:HGNC Symbol;Acc	chr14:2192	NM_00116	.	.	.	NP_001156	.	protein_co	ENSG0000	84932	20246
RAB30	1.25646	2.83505	1.9748	1.30169	2.32255	1.79152	RAB30, member RAS oncogene family [Source:HGNC Symbol;Acc	chr11:8268	NM_00128	.	.	.	NP_001272	.	protein_co	ENSG0000	27314	9770
RAB31	17.3628	17.3446	19.9207	25.8286	32.9774	30.6297	RAB31, member RAS oncogene family [Source:HGNC Symbol;Acc	chr18:9708	NM_00686	.	.	.	NP_006859	.	protein_co	ENSG0000	11031	9771
RAB32	0	0	0	0	0	0	RAB32, member RAS oncogene family [Source:HGNC Symbol;Acc	chr6:14686	NM_00683	.	.	.	NP_006825	.	protein_co	ENSG0000	10981	9772
RAB33A	0.058616	0.291312	0.202667	0	0	0	RAB33A, member RAS oncogene family [Source:HGNC Symbol;Ac	chrX:12930	NM_00479	.	.	.	NP_004785	.	protein_co	ENSG0000	9363	9773
RAB33B	2.3548	3.03584	3.2398	2.31455	2.7903	3.06321	RAB33B, member RAS oncogene family [Source:HGNC Symbol;Ac	chr4:14037	NM_03129	.	.	.	NP_112586	.	protein_co	ENSG0000	83452	16075
RAB34	0.281725	0.447075	0.322138	0.212571	0.428452	0.912074	RAB34, member RAS oncogene family [Source:HGNC Symbol;Acc	chr17:2704	NM_00114	.	.	.	NP_001136	.	protein_co	ENSG0000	100861437	16519
RAB35	32.6708	32.1385	30.5312	36.5421	32.9806	29.0811	RAB35, member RAS oncogene family [Source:HGNC Symbol;Acc	chr12:1205	NM_00116	XM_01153	.	.	NP_001161	XP_011536	protein_co	ENSG0000	11021	9774
RAB36	3.60924	4.16348	3.10195	3.59648	3.59581	2.94273	RAB36, member RAS oncogene family [Source:HGNC Symbol;Acc	chr22:2348	NM_00491	XM_01153	.	.	NP_004905	XP_005261	protein_co	ENSG0000	9609	9775
RAB37	5.59929	5.00595	10.2986	4.14455	3.56634	4.86613	RAB37, member RAS oncogene family [Source:HGNC Symbol;Acc	chr17:7266	NM_00100	XM_00525	.	.	NP_001006	XP_005257	protein_co	ENSG0000	326624	30268
RAB38	11.405	10.7821	13.9375	11.4592	10.7979	11.8338	RAB38, member RAS oncogene family [Source:HGNC Symbol;Acc	chr11:8784	NM_02233	.	.	.	NP_071732	.	protein_co	ENSG0000	23682	9776
RAB39A	0.102965	0.054556	0	0.058604	0	0	RAB39A, member RAS oncogene family [Source:HGNC Symbol;Ac	chr11:1077	NM_01751	.	.	.	NP_059986	.	protein_co	ENSG0000	54734	16521
RAB39B	0	0	0.01853	0.024154	0	0	RAB39B, member RAS oncogene family [Source:HGNC Symbol;Ac	chrX:15448	NM_17199	.	.	.	NP_741995	.	protein_co	ENSG0000	116442	16499
RAB3A	6.79292	6.85574	6.49212	8.60152	6.55716	4.86803	RAB3A, member RAS oncogene family [Source:HGNC Symbol;Acc	chr19:1830	NM_00286	XM_01152	.	.	NP_002857	XP_011526	protein_co	ENSG0000	5864	9777
RAB3B	6.94206	6.80773	11.413	7.41315	8.71363	9.13531	RAB3B, member RAS oncogene family [Source:HGNC Symbol;Acc	chr1:52373	NM_00286	.	.	.	NP_002858	XP_016857	protein_co	ENSG0000	5865	9778
RAB3C	0.018785	0.010207	0	0	0	0	RAB3C, member RAS oncogene family [Source:HGNC Symbol;Acc	chr5:57878	NM_00131	.	.	.	NP_001304	.	protein_co	ENSG0000	115827	30269
RAB3D	8.99818	8.35461	9.63249	9.58694	9.48563	7.73269	RAB3D, member RAS oncogene family [Source:HGNC Symbol;Acc	chr19:1140	NM_00428	.	.	.	NP_004274	.	protein_co	ENSG0000	9545	9779
RAB3GAP1	16.2073	17.4429	16.3167	15.0192	16.3295	22.4759	RAB3 GTPase activating protein catalytic subunit 1 [Source:HGNC	chr2:13580	NM_00117	XM_01151	.	.	NP_001165	XP_011509	protein_co	ENSG0000	22930	17063
RAB3GAP2	7.81962	8.18461	6.9904	7.44288	8.68686	8.35533	RAB3 GTPase activating non-catalytic protein subunit 2 [Source:H	chr1:22032	NM_01241	.	.	.	NP_036546	.	protein_co	ENSG0000	25782	17168
RAB3IL1	7.01507	7.63101	6.30675	9.8349	7.57296	5.88898	RAB3A interacting protein like 1 [Source:HGNC Symbol;Acc:HGNC	chr11:6166	NM_00127	XM_00671	.	.	NP_001258	XP_005274	protein_co	ENSG0000	5866	9780
RAB3IP	13.4148	11.0339	10.6737	10.8682	9.38372	15.8362	RAB3A interacting protein [Source:HGNC Symbol;Acc:HGNC:1650	chr12:7013	NM_00102	XM_01701	.	.	NP_001019	XP_006719	protein_co	ENSG0000	117177	16508
RAB40A	0.057857	0	0.049885	0.087583	0.097678	0.058838	RAB40A, member RAS oncogene family [Source:HGNC Symbol;Ac	chrX:10275	NM_08087	XM_01153	.	.	NP_543155	XP_005262	protein_co	ENSG0000	142684	18283
RAB40AL	0.149324	0.074296	0.193061	0.159295	0.173201	0.081074	RAB40A, member RAS oncogene family-like [Source:HGNC Symbo	chrX:10219	NM_00103	.	.	.	NP_001027	.	protein_co	ENSG0000	282808	25410
RAB40B	6.5167	9.52476	12.0362	4.9501	5.01706	7.26337	RAB40B, member RAS oncogene family [Source:HGNC Symbol;Ac	chr17:8061	NM_00682	.	.	.	NP_006813	.	protein_co	ENSG0000	10966	18284
RAB40C	8.27026	6.54963	7.27658	8.19579	6.75556	5.48546	RAB40C, member RAS oncogene family [Source:HGNC Symbol;Ac	chr16:6393	NM_00117	.	.	.	NP_001166	.	protein_co	ENSG0000	57799	18285
RAB41	0	0	0	0	0	0	RAB41, member RAS oncogene family [Source:HGNC Symbol;Acc	chrX:69502	NM_00103	XM_01702	.	.	NP_001027	XP_016884	protein_co	ENSG0000	347517	18293
RAB42	0	0	0	0	0	0	RAB42, member RAS oncogene family [Source:HGNC Symbol;Acc	chr1:28918	NM_15230	.	.	.	NP_689517	.	protein_co	ENSG0000	115273	28702
RAB43	2.2507	4.32526	2.51907	2.49069	1.13346	2.19285	RAB43, member RAS oncogene family [Source:HGNC Symbol;Acc	chr3:12880	NM_00120	.	.	.	NP_001191	.	protein_co	ENSG0000	339122	19983
RAB44	0.015895	0.015788	0.055241	0.068406	0.073244	0.052289	RAB44, member RAS oncogene family [Source:HGNC Symbol;Acc	chr6:36665	NM_00125	XM_01151	.	.	NP_001244	XP_011512	protein_co	ENSG0000	401258	21068
RAB4A	16.4137	16.1091	20.4173	20.6316	17.7654	19.371	RAB4A, member RAS oncogene family [Source:HGNC Symbol;Acc	chr1:22940	NM_00127	.	.	.	NP_001258	.	protein_co	ENSG0000	5867	9781
RAB4B	8.48144	8.42329	10.7811	11.5973	8.32264	8.46115	RAB4B, member RAS oncogene family [Source:HGNC Symbol;Acc	chr19:4128	NM_01615	.	.	.	NP_057238	.	protein_co	ENSG0000	53916	9782
RAB5A	25.5371	27.3761	23.6713	24.3133	22.6135	26.8815	RAB5A, member RAS oncogene family [Source:HGNC Symbol;Acc	chr3:19988	NM_00129	.	.	.	NP_001278	.	protein_co	ENSG0000	5868	9783
RAB5B	32.6059	32.0474	34.2612	26.9719	28.5893	33.3817	RAB5B, member RAS oncogene family [Source:HGNC Symbol;Acc	chr12:5636	NM_00125	XM_00526	.	.	NP_001238	XP_005269	protein_co	ENSG0000	5869	9784
RAB5C	84.2938	89.9238	82.2432	101.313	88.7444	74.6407	RAB5C, member RAS oncogene family [Source:HGNC Symbol;Acc	chr17:4026	NM_00125	XM_01152	.	.	NP_001238	XP_011523	protein_co	ENSG0000	5878	9785
RAB6A	52.6213	50.9669	48.9904	49.4289	58.0404	65.4397	RAB6A, member RAS oncogene family [Source:HGNC Symbol;Acc	chr11:7338	NM_00124	.	.	.	NP_001230	.	protein_co	ENSG0000	5870	9786
RAB6B	4.40275	6.20522	6.93403	3.3907	2.9517	3.92013	RAB6B, member RAS oncogene family [Source:HGNC Symbol;Acc	chr3:13354	NM_01657	XM_01151	.	.	NP_057661	XP_011511	protein_co	ENSG0000	51560	14902
RAB6C	0.72426	0.637566	0.705308	0.512455	0.836858	0.864302	RAB6C, member RAS oncogene family [Source:HGNC Symbol;Acc	chr2:13073	NM_03214	.	.	.	NP_115520	.	protein_co	ENSG0000	84084	16525
RAB7A	134.676	128.149	123.62	141.005	128.019	119.511	RAB7A, member RAS oncogene family [Source:HGNC Symbol;Acc	chr3:12844	NM_00463	.	.	.	NP_004628	.	protein_co	ENSG0000	7879	9788
RAB8A	36.6125	38.3431	32.9451	43.5828	39.1258	31.0853	RAB8A, member RAS oncogene family [Source:HGNC Symbol;Acc	chr19:1622	NM_00537	.	.	.	NP_005361	.	protein_co	ENSG0000	4218	7007
RAB8B	5.12295	5.39947	5.31055	5.29719	5.24964	7.89946	RAB8B, member RAS oncogene family [Source:HGNC Symbol;Acc	chr15:6348	NM_01653	XM_01702	.	.	NP_057614	XP_016877	protein_co	ENSG0000	51762	30273
RAB9A	22.3834	16.1168	18.2852	17.7407	20.8175	25.8007	RAB9A, member RAS oncogene family [Source:HGNC Symbol;Acc	chrX:13707	NM_00119	.	.	.	NP_001182	XP_016885	protein_co	ENSG0000	9367	9792
RAB9B	0.046079	0.099435	0	0.026447	0.025347	0.08899	RAB9B, member RAS oncogene family [Source:HGNC Symbol;Acc	chrX:10307	NM_01637	.	.	.	NP_057454	.	protein_co	ENSG0000	51209	14090
RABAC1	62.1287	57.2208	66.3583	52.7181	45.7397	50.4855	Rab acceptor 1 [Source:HGNC Symbol;Acc:HGNC:9794]	chr19:4246	NM_00642	.	.	.	NP_006414	.	protein_co	ENSG0000	10567	9794
RABEP1	15.7727	15.0137	17.1269	17.906	19.4465	18.5752	rabaptin, RAB GTPase binding effector protein 1 [Source:HGNC Sy	chr17:5185	NM_00108	XM_01152	.	.	NP_001077	XP_011522	protein_co	ENSG0000	9135	17677
RABEP2	4.59482	4.22967	4.78426	3.37865	3.18949	2.074	rabaptin, RAB GTPase binding effector protein 2 [Source:HGNC Sy	chr16:2888	NM_02481	.	.	.	NP_079092	.	protein_co	ENSG0000	79874	24817
RABEPK	29.8792	29.1403	30.9656	36.1097	29.7445	27.1332	Rab9 effector protein with kelch motifs [Source:HGNC Symbol;Ac	chr9:12796	NM_00117	XM_00525	.	.	NP_001167	XP_005251	protein_co	ENSG0000	10244	16896
RABGAP1	9.25207	8.53703	9.73999	8.81174	9.49966	10.8138	RAB GTPase activating protein 1 [Source:HGNC Symbol;Acc:HGNC	chr9:12570	NM_00529	XM_01701	.	.	NP_005285	XP_005251	protein_co	ENSG0000	23637	17155
RABGAP1L	6.28357	5.53361	9.46994	5.06404	5.01224	7.95737	RAB GTPase activating protein 1 like [Source:HGNC Symbol;Acc:H	chr1:17412	NM_00103	XM_01700	.	.	NP_001030	XP_016858	protein_co	ENSG0000	9910	24663
RABGEF1	9.76003	10.4522	9.60519	11.4784	11.832	10.6412	RAB guanine nucleotide exchange factor 1 [Source:HGNC Symbol	chr7:66204	NM_00128	.	.	.	NP_001273	.	protein_co	ENSG0000	27342	17676
RABGGTA	14.8936	14.187	14.8028	13.6835	11.376	11.0588	Rab geranylgeranyltransferase alpha subunit [Source:HGNC Symb	chr14:2473	NM_00458	XM_01153	.	.	NP_004572	XP_011535	protein_co	ENSG0000	5875	9795

RABGGTB	97.267	83.5183	81.6827	74.1741	93.7524	90.7573	Rab geranylgeranyltransferase beta subunit [Source:HGNC Symb	chr1:7625	NM_00458	.	.	.	NP_00457	.	protein_co	ENSG0000	5876	9796
RABIF	5.98296	6.5827	5.36502	5.85303	5.10672	4.87746	RAB interacting factor [Source:HGNC Symbol;Acc:HGNC:9797]	chr1:2028	NM_00287	.	.	.	NP_00286	.	protein_co	ENSG0000	5877	9797
RABL2A	0.856079	0.990205	1.81047	1.20558	1.37654	1.17273	RAB, member of RAS oncogene family-like 2A [Source:HGNC Sym	chr2:1143	NM_0013	XM_01700	.	.	NP_00129	XP_00526	protein_co	ENSG0000	11159	9799
RABL2B	8.20835	8.51544	10.3795	7.35973	7.51847	7.27451	RAB, member of RAS oncogene family-like 2B [Source:HGNC Sym	chr22:512	NM_0010	XM_01702	.	.	NP_00100	XP_00526	protein_co	ENSG0000	11159	9800
RABL3	11.127	11.104	8.91332	10.335	14.7938	12.0907	RAB, member of RAS oncogene family like 3 [Source:HGNC Symb	chr3:1204	NM_1738	XM_00671	.	.	NP_77618	XP_00671	protein_co	ENSG0000	285282	18072
RABL6	32.632	34.5293	33.0037	43.6602	37.9267	31.9365	RAB, member RAS oncogene family-like 6 [Source:HGNC Symbol;	chr9:1397	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	55684	24703
RAC1	143.94	142.48	131.58	155.106	138.222	148.343	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP	chr7:6414	NM_0069	.	.	.	NP_00883	.	protein_co	ENSG0000	5879	9801
RAC2	33.5465	33.1993	41.6298	32.9588	28.4226	28.2311	ras-related C3 botulinum toxin substrate 2 (rho family, small GTP	chr22:376	NM_00287	.	.	.	NP_00286	.	protein_co	ENSG0000	5880	9802
RAC3	100.034	97.3504	103.186	111.414	98.1386	60.8889	ras-related C3 botulinum toxin substrate 3 (rho family, small GTP	chr17:799	NM_0013	XM_00525	.	.	NP_00130	.	protein_co	ENSG0000	5881	9803
RACGAP1	49.7601	53.3801	44.2219	87.5753	86.9872	68.3351	Rac GTPase activating protein 1 [Source:HGNC Symbol;Acc:HGNC	chr12:503	NM_0011	XM_01701	.	.	NP_00111	XP_00526	protein_co	ENSG0000	29127	9804
RACK1	1127.07	1119.11	1127.22	1205.65	957.45	1003.51	receptor for activated C kinase 1 [Source:HGNC Symbol;Acc:HGN	chr5:1806	NM_00609	.	.	.	NP_00608	.	protein_co	ENSG0000	10399	4399
RAD1	12.1109	12.3132	11.1548	13.9188	14.86	14.7491	RAD1 checkpoint DNA exonuclease [Source:HGNC Symbol;Acc:H	chr5:3490	NM_00285	.	.	.	NP_00284	.	protein_co	ENSG0000	5810	9806
RAD17	10.7814	9.81	9.87795	7.93634	12.2996	16.4528	RAD17 checkpoint clamp loader component [Source:HGNC Symb	chr5:6864	NM_00127	XM_01700	.	.	.	XP_01686	protein_co	ENSG0000	5884	9807
RAD18	7.44098	8.22121	9.59151	7.75637	8.20505	7.45923	RAD18, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HG	chr3:8918	NM_02016	.	.	.	NP_06455	.	protein_co	ENSG0000	56852	18278
RAD21	105.728	109.745	98.6971	138.152	156.487	159.935	RAD21 cohesin complex component [Source:HGNC Symbol;Acc:H	chr8:1177	NM_00626	.	NR_03740	.	NP_00625	.	protein_co	ENSG0000	10050091	9811
RAD21L1	0	0	0.070694	0	0.08362	0.159465	RAD21 cohesin complex component like 1 [Source:HGNC Symbol;	chr20:120	NM_00113	XM_01152	.	.	NP_00113	XP_00672	protein_co	ENSG0000	642636	16271
RAD23A	55.5347	56.2703	50.6031	62.0668	46.3188	60.4578	RAD23 homolog A, nucleotide excision repair protein [Source:HG	chr19:130	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	5886	9812
RAD23B	89.0577	92.2191	79.1293	87.8073	100.376	89.9571	RAD23 homolog B, nucleotide excision repair protein [Source:HG	chr9:1100	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	5887	9813
RAD50	11.1969	10.7561	11.7554	8.17122	11.2618	11.086	RAD50 double strand break repair protein [Source:HGNC Symbol;	chr5:1318	NM_00573	.	.	.	NP_00572	.	protein_co	ENSG0000	10111	9816
RAD51	18.7759	18.6032	17.8752	22.6856	17.0491	17.8914	RAD51 recombinase [Source:HGNC Symbol;Acc:HGNC:9817]	chr15:409	NM_0011	XM_01152	.	.	NP_00115	XP_00672	protein_co	ENSG0000	5888	9817
RAD51AP1	12.0184	11.7543	10.5889	16.445	15.7881	17.3843	RAD51 associated protein 1 [Source:HGNC Symbol;Acc:HGNC:16	chr12:464	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	10635	16956
RAD51AP2	0	0.023068	0.036642	0.024535	0.022758	0.058653	RAD51 associated protein 2 [Source:HGNC Symbol;Acc:HGNC:34	chr2:1769	NM_00109	XM_00526	.	.	NP_00109	XP_01153	protein_co	ENSG0000	729475	34417
RAD51B	2.62448	2.35519	3.46391	2.16514	2.75826	2.41757	RAD51 paralog B [Source:HGNC Symbol;Acc:HGNC:9822]	chr14:682	NM_00132	XM_01153	.	.	NP_00130	XP_01153	protein_co	ENSG0000	5890	9822
RAD51C	62.5764	58.2093	51.332	74.8707	64.0442	56.0345	RAD51 paralog C [Source:HGNC Symbol;Acc:HGNC:9820]	chr17:567	NM_00287	XM_01152	.	.	NP_00286	XP_00672	protein_co	ENSG0000	5889	9820
RAD51D	6.15935	6.72553	5.32859	5.78131	5.05585	4.50381	RAD51 paralog D [Source:HGNC Symbol;Acc:HGNC:9823]	chr17:333	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	5892	9823
RAD51L3-RFFL	0.098165	2.86E-24	0.092646	0.159499	3.86E-14	3.34E-11	.	chr17:333	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RAD52	9.41957	8.67661	9.90505	7.6218	9.77918	7.25808	RAD52 homolog, DNA repair protein [Source:HGNC Symbol;Acc:H	chr12:102	NM_00129	XM_01152	.	.	NP_00128	XP_00525	protein_co	ENSG0000	5893	9824
RAD54B	10.6696	9.10106	9.35941	10.8842	12.9281	12.9755	RAD54 homolog B (S. cerevisiae) [Source:HGNC Symbol;Acc:HGN	chr8:9538	NM_0012	.	.	.	NP_00119	.	protein_co	ENSG0000	25788	17228
RAD54L	11.8807	12.6544	10.8367	11.8212	10.9197	9.16803	RAD54-like (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:9826]	chr1:4671	NM_00114	XM_00671	.	.	NP_00113	XP_00671	protein_co	ENSG0000	8438	9826
RAD54L2	5.0298	5.17393	5.18046	5.399	5.97385	5.16461	RAD54-like 2 (S. cerevisiae) [Source:HGNC Symbol;Acc:HGNC:291	chr3:5157	NM_00132	XM_01700	.	.	NP_00130	XP_00671	protein_co	ENSG0000	23132	29123
RAD9A	13.9458	12.9125	9.24584	11.6162	8.97439	8.88065	RAD9 checkpoint clamp component A [Source:HGNC Symbol;Acc:	chr11:671	NM_00458	.	.	.	NP_00457	.	protein_co	ENSG0000	5883	9827
RAD9B	0.227046	0.033972	0.191581	0.144019	0.139059	0.304717	RAD9 checkpoint clamp component B [Source:HGNC Symbol;Acc:	chr12:110	NM_00128	XM_01153	.	.	NP_00127	XP_01153	protein_co	ENSG0000	144715	21700
RADIL	0.972806	1.15657	0.87392	0.940717	1.2089	0.843449	Rap associating with DIL domain [Source:HGNC Symbol;Acc:HGN	chr7:4838	NM_01805	.	.	.	NP_06052	.	protein_co	ENSG0000	55698	22226
RAE1	41.0978	38.9612	35.7336	51.622	42.7043	31.3964	ribonucleic acid export 1 [Source:HGNC Symbol;Acc:HGNC:9828]	chr20:559	NM_00101	XM_01152	.	.	NP_00101	XP_00526	protein_co	ENSG0000	8480	9828
RAET1E	5.27491	5.19689	3.12621	5.33935	5.11968	3.18562	retinoic acid early transcript 1E [Source:HGNC Symbol;Acc:HGNC	chr6:1502	NM_00124	XM_01153	.	.	NP_00123	XP_01153	protein_co	ENSG0000	135250	16793
RAET1G	0.566289	0.323065	0.827596	0.487076	0.507092	0.673233	retinoic acid early transcript 1G [Source:HGNC Symbol;Acc:HGNC	chr6:1502	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	353091	16795
RAET1L	3.98767	4.33722	1.11012	4.25977	4.28015	4.29	retinoic acid early transcript 1L [Source:HGNC Symbol;Acc:HGNC:	chr6:1503	NM_1309	XM_01153	.	.	NP_57097	XP_01153	protein_co	ENSG0000	154064	16798
RAF1	34.6857	35.6813	30.4137	39.1302	35.0791	29.4836	Raf-1 proto-oncogene, serine/threonine kinase [Source:HGNC Sy	chr3:1259	NM_00288	XM_01153	.	.	NP_00287	XP_00526	protein_co	ENSG0000	5894	9829
RAG1	0.380314	0.415094	0.35136	0.508844	0.608782	0.521328	recombination activating gene 1 [Source:HGNC Symbol;Acc:HGN	chr11:365	NM_00044	XM_01152	.	.	NP_00043	XP_00525	protein_co	ENSG0000	5896	9831
RAG2	0	0	0	0	0	0	recombination activating gene 2 [Source:HGNC Symbol;Acc:HGN	chr11:366	NM_00053	.	.	.	NP_00052	.	protein_co	ENSG0000	5897	9832
RAI1	12.4059	12.8518	12.3095	11.1152	11.4012	11.3502	retinoic acid induced 1 [Source:HGNC Symbol;Acc:HGNC:9834]	chr17:175	NM_03066	.	.	.	NP_10959	XP_01687	protein_co	ENSG0000	10743	9834
RAI14	18.3145	19.3561	18.0291	18.8231	20.1797	17.541	retinoic acid induced 14 [Source:HGNC Symbol;Acc:HGNC:14873]	chr5:3465	NM_00114	XM_01700	.	.	NP_00113	XP_00671	protein_co	ENSG0000	26064	14873
RAI2	0	0	0	0	0	0	retinoic acid induced 2 [Source:HGNC Symbol;Acc:HGNC:9835]	chrX:1781	NM_00117	XM_01154	.	.	NP_00116	XP_00672	protein_co	ENSG0000	10742	9835
RALA	28.0873	26.8996	25.0781	26.4812	32.0045	32.475	RALA Ras like proto-oncogene A [Source:HGNC Symbol;Acc:HGN	chr7:3966	NM_0054	XM_01151	.	.	NP_00539	XP_00671	protein_co	ENSG0000	5898	9839
RALB	25.6869	26.3096	32.3745	30.8201	29.8191	34.7064	RALB Ras like proto-oncogene B [Source:HGNC Symbol;Acc:HGN	chr2:1210	NM_00288	XM_01700	.	.	NP_00287	XP_00526	protein_co	ENSG0000	5899	9840
RALBP1	27.8918	28.6316	28.3318	24.5926	24.8627	25.9256	ralA binding protein 1 [Source:HGNC Symbol;Acc:HGNC:9841]	chr18:947	NM_00678	.	.	.	NP_00677	.	protein_co	ENSG0000	10928	9841
RALGAPA1	3.20621	3.02201	3.77603	2.63124	3.37532	4.43261	Ral GTPase activating protein catalytic alpha subunit 1 [Source:H	chr14:360	NM_00128	XM_01702	.	.	NP_00126	XP_00526	protein_co	ENSG0000	253959	17770
RALGAPA2	2.15896	3.09884	3.6322	4.44663	2.72758	4.61366	Ral GTPase activating protein catalytic alpha subunit 2 [Source:H	chr20:203	NM_02034	XM_01152	.	.	NP_06507	XP_00526	protein_co	ENSG0000	57186	16207
RALGAPB	9.48789	9.30174	9.58732	7.47618	8.37178	10.0417	Ral GTPase activating protein non-catalytic beta subunit [Source:	chr20:371	NM_00128	XM_01702	.	.	NP_00126	XP_00526	protein_co	ENSG0000	57148	29221
RALGDS	17.5397	18.094	17.9554	16.724	14.686	14.1242	ral guanine nucleotide dissociation stimulator [Source:HGNC Sym	chr9:1359	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	5900	9842
RALGPS1	2.11345	2.28846	3.70856	2.44788	2.04323	2.89495	Ral GEF with PH domain and SH3 binding motif 1 [Source:HGNC S	chr9:1296	NM_00119	XM_01701	.	.	NP_00117	XP_00671	protein_co	ENSG0000	9649	16851
RALGPS2	4.86832	5.11435	7.6635	4.49251	5.22382	7.50758	Ral GEF with PH domain and SH3 binding motif 2 [Source:HGNC S	chr1:1786	NM_00128	XM_01150	.	.	NP_00127	XP_00671	protein_co	ENSG0000	55103	30279
RALY	89.7769	85.8742	72.9056	104.443	86.3299	84.997	RALY heterogeneous nuclear ribonucleoprotein [Source:HGNC Sy	chr20:325	NM_00736	XM_01152	.	.	NP_03139	XP_00526	protein_co	ENSG0000	22913	15921
RALYL	0	0	0	0	0	0	RALY RNA binding protein-like [Source:HGNC Symbol;Acc:HGNC:2	chr8:8509	NM_0011	XM_01151	.	.	NP_00109	XP_01151	protein_co	ENSG0000	138046	27036
RAMP1	29.4659	32.1617	35.0949	29.3079	22.7308	14.5251	receptor activity modifying protein 1 [Source:HGNC Symbol;Acc:H	chr2:2387	NM_00585	XM_01151	.	.	NP_00129	XP_01150	protein_co	ENSG0000	10267	9843
RAMP2	0	0	0	0	0	0	receptor activity modifying protein 2 [Source:HGNC Symbol;Acc:H	chr17:409	NM_00585	.	.	.	NP_00584	.	protein_co	ENSG0000	10266	9844
RAMP3	0	0	0	0	0	0	receptor activity modifying protein 3 [Source:HGNC Symbol;Acc:H	chr7:4519	NM_00585	.	.	.	NP_00584	.	protein_co	ENSG0000	10268	9845
RAN	548.346	510.085	455.558	650.138	556.631	496.519	RAN, member RAS oncogene family [Source:HGNC Symbol;Acc:H	chr12:131	NM_0013	.	.	.	NP_00128	XP_01687	protein_co	ENSG0000	5901	9846
RANBP1	230.461	217.524	171.167	278.639	234.844	184.639	RAN binding protein 1 [Source:HGNC Symbol;Acc:HGNC:9847]	chr22:200	NM_00127	XM_01153	.	.	NP_00126	XP_01152	protein_co	ENSG0000	5902	9847

RANBP10	10.4028	11.1313	8.77275	11.421	10.9622	9.26702	RAN binding protein 10 [Source:HGNC Symbol;Acc:HGNC:29285]	chr16:6775	NM_02085	XM_01702	.	.	NP_00130	XP_005256	protein_co	ENSG0000	57610	29285
RANBP17	3.20231	2.18161	2.56567	2.12128	2.77396	2.54302	RAN binding protein 17 [Source:HGNC Symbol;Acc:HGNC:14428]	chr5:17028	NM_02289	XM_01153	.	.	NP_07504	XP_011532	protein_co	ENSG0000	64901	14428
RANBP2	21.2897	22.0811	22.6484	18.8486	27.9394	23.6312	RAN binding protein 2 [Source:HGNC Symbol;Acc:HGNC:9848]	chr2:10933	NM_00626	XM_01151	.	.	NP_00625	XP_005264	protein_co	ENSG0000	5903	9848
RANBP3	23.8901	22.7729	20.2706	26.3189	23.917	18.2111	RAN binding protein 3 [Source:HGNC Symbol;Acc:HGNC:9850]	chr19:5911	NM_00130	XM_01152	.	.	NP_00128	XP_006722	protein_co	ENSG0000	8498	9850
RANBP3L	0	0	0	0	0.062612	0	RAN binding protein 3 like [Source:HGNC Symbol;Acc:HGNC:2635	chr5:36248	NM_00116	XM_00671	.	.	NP_00115	XP_006714	protein_co	ENSG0000	202151	26353
RANBP6	11.4004	11.088	13.3409	10.481	16.0263	12.7937	RAN binding protein 6 [Source:HGNC Symbol;Acc:HGNC:9851]	chr9:60110	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	26953	9851
RANBP9	15.3693	15.5383	14.5896	18.7196	19.2841	19.7913	RAN binding protein 9 [Source:HGNC Symbol;Acc:HGNC:13727]	chr6:13621	NM_00549	XM_01151	.	.	NP_00548	XP_006715	protein_co	ENSG0000	10048	13727
RANGAP1	57.9341	59.8159	52.1687	75.2925	64.6482	44.9728	Ran GTPase activating protein 1 [Source:HGNC Symbol;Acc:HGNC	chr22:4164	NM_00127	XM_01153	.	.	NP_00126	XP_005261	protein_co	ENSG0000	5905	9854
RANGRF	29.7093	32.7044	23.9655	36.5065	26.8175	18.9947	RAN guanine nucleotide release factor [Source:HGNC Symbol;Acc	chr17:8191	NM_00117	XM_00525	.	.	NP_00117	XP_005256	protein_co	ENSG0000	29098	17679
RAP1A	21.295	21.9943	19.9461	21.1832	20.712	23.4126	RAP1A, member of RAS oncogene family [Source:HGNC Symbol;A	chr1:11202	NM_00101	XM_01700	.	.	NP_00101	XP_011540	protein_co	ENSG0000	5906	9855
RAP1B	36.0206	34.9493	35.3321	34.0834	39.1657	52.7403	RAP1B, member of RAS oncogene family [Source:HGNC Symbol;A	chr12:6900	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	5908	9857
RAP1GAP	5.87955	6.60049	6.96853	7.58775	6.43636	4.94562	RAP1 GTPase activating protein [Source:HGNC Symbol;Acc:HGNC	chr1:21922	NM_00114	XM_01700	.	.	NP_00113	XP_005246	protein_co	ENSG0000	5909	9858
RAP1GAP2	19.1887	19.2661	18.3821	20.6594	19.8644	15.321	RAP1 GTPase activating protein 2 [Source:HGNC Symbol;Acc:HGN	chr17:2658	NM_00110	XM_01702	.	.	NP_00109	XP_005256	protein_co	ENSG0000	23108	29176
RAP1GDS1	16.8335	15.7077	21.3028	18.71	22.8834	23.9645	Rap1 GTPase-GDP dissociation stimulator 1 [Source:HGNC Symbo	chr4:99182	NM_00110	XM_01153	.	.	NP_00109	.	protein_co	ENSG0000	5910	9859
RAP2A	8.40216	9.05745	9.158	9.05879	11.0541	10.3755	RAP2A, member of RAS oncogene family [Source:HGNC Symbol;A	chr13:9808	NM_02103	.	.	.	NP_06636	.	protein_co	ENSG0000	5911	9861
RAP2B	15.7754	17.3743	13.7397	13.5171	12.5934	12.7813	RAP2B, member of RAS oncogene family [Source:HGNC Symbol;A	chr3:15288	NM_00288	.	.	.	NP_00287	.	protein_co	ENSG0000	5912	9862
RAP2C	11.6114	13.625	10.4923	9.5596	11.6046	11.2334	RAP2C, member of RAS oncogene family [Source:HGNC Symbol;A	chrX:13133	NM_00127	XM_01153	.	.	NP_00125	XP_006724	protein_co	ENSG0000	57826	21165
RAPGEF1	12.8624	13.2283	11.916	11.978	12.883	11.5469	Rap guanine nucleotide exchange factor 1 [Source:HGNC Symbol;	chr9:13445	NM_00130	XM_01151	.	.	NP_00129	XP_005272	protein_co	ENSG0000	2889	4568
RAPGEF2	6.21893	6.75182	5.81313	4.90114	5.35218	7.44583	Rap guanine nucleotide exchange factor 2 [Source:HGNC Symbol;	chr4:16018	NM_01424	XM_01153	.	.	NP_05506	XP_006714	protein_co	ENSG0000	9693	16854
RAPGEF3	0.308274	0.203971	0.349497	0.413871	0.325406	0.222395	Rap guanine nucleotide exchange factor 3 [Source:HGNC Symbol;	chr12:4812	NM_00109	XM_01153	.	.	NP_00109	XP_011536	protein_co	ENSG0000	10411	16629
RAPGEF4	0.077133	0.142696	0.121931	0.072617	0.06484	0.117147	Rap guanine nucleotide exchange factor 4 [Source:HGNC Symbol;	chr2:17360	NM_00110	XM_01700	.	.	NP_00109	XP_005246	protein_co	ENSG0000	11069	16626
RAPGEF5	4.48668	4.6923	5.27003	4.26606	4.41639	5.11603	Rap guanine nucleotide exchange factor 5 [Source:HGNC Symbol;	chr7:22157	NM_01229	XM_01701	.	.	NP_03642	XP_005249	protein_co	ENSG0000	9771	16862
RAPGEF6	3.1409	3.35224	3.12472	3.62213	4.66253	4.34232	Rap guanine nucleotide exchange factor 6 [Source:HGNC Symbol;	chr5:13075	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	51735	20655
RAPGEFL1	3.38098	2.88826	3.98363	2.40445	2.3129	2.27666	Rap guanine nucleotide exchange factor like 1 [Source:HGNC Sym	chr17:3833	NM_00130	XM_01152	.	.	NP_00129	XP_006721	protein_co	ENSG0000	51195	17428
RAPH1	3.02181	3.38023	3.10962	2.91424	3.60228	4.54888	Ras association (RalGDS/AF-6) and pleckstrin homology domains	chr2:20419	NM_20336	XM_01151	.	.	NP_97624	XP_005246	protein_co	ENSG0000	65059	14436
RAPSN	0.14999	0	0.184062	0.320754	0	0.263528	receptor associated protein of the synapse [Source:HGNC Symbol	chr11:4745	NM_00505	XM_01152	.	.	NP_00504	XP_005253	protein_co	ENSG0000	5913	9863
RARA	12.692	12.8347	11.458	13.3245	12.6162	12.5941	retinoic acid receptor alpha [Source:HGNC Symbol;Acc:HGNC:986	chr17:3846	NM_00096	XM_01152	.	.	NP_00095	XP_005257	protein_co	ENSG0000	5914	9864
RARB	0	0	0	0	0	0	retinoic acid receptor beta [Source:HGNC Symbol;Acc:HGNC:9865	chr3:25469	NM_00096	.	.	.	NP_00095	.	protein_co	ENSG0000	5915	9865
RARG	18.6382	19.028	21.498	19.9182	17.2852	18.1433	retinoic acid receptor gamma [Source:HGNC Symbol;Acc:HGNC:9	chr12:5360	NM_00096	XM_01153	.	.	NP_00095	XP_005269	protein_co	ENSG0000	5916	9866
RARRES1	0	0	0	0	0	0	retinoic acid receptor responder 1 [Source:HGNC Symbol;Acc:HG	chr3:15841	NM_00288	XM_00524	.	.	NP_00287	XP_005247	protein_co	ENSG0000	5918	9867
RARRES2	0	0	0	0	0	0	retinoic acid receptor responder 2 [Source:HGNC Symbol;Acc:HG	chr7:15003	NM_00288	.	.	.	NP_00288	.	protein_co	ENSG0000	5919	9868
RARRES3	1.25889	1.65554	0.193984	1.43134	1.28171	0.746623	retinoic acid receptor responder 3 [Source:HGNC Symbol;Acc:HG	chr11:6330	NM_00458	.	.	.	NP_00457	.	protein_co	ENSG0000	5920	9869
RARS	70.9419	62.7847	66.8304	74.3491	77.8562	55.8666	arginyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:9870]	chr5:16791	NM_00288	.	.	.	NP_00287	.	protein_co	ENSG0000	5917	9870
RARS2	15.3324	13.8668	15.4817	13.7357	15.5347	16.164	arginyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;	chr6:88224	NM_02032	XM_01153	.	.	NP_06471	XP_011534	protein_co	ENSG0000	57038	21406
RASA1	9.73858	9.72465	9.64029	8.22088	10.548	12.4513	RAS p21 protein activator 1 [Source:HGNC Symbol;Acc:HGNC:987	chr5:86563	NM_00289	XM_01154	.	.	NP_00288	XP_011541	protein_co	ENSG0000	5921	9871
RASA2	2.83327	3.10994	3.55543	2.43519	3.20562	4.51637	RAS p21 protein activator 2 [Source:HGNC Symbol;Acc:HGNC:987	chr3:14120	NM_00130	XM_01700	.	.	NP_00129	XP_011511	protein_co	ENSG0000	5922	9872
RASA3	8.20439	8.31483	9.2426	8.29373	8.41634	7.56434	RAS p21 protein activator 3 [Source:HGNC Symbol;Acc:HGNC:203	chr13:1147	NM_00132	XM_01153	.	.	NP_00130	XP_011533	protein_co	ENSG0000	22821	20331
RASA4	0.120044	0.18907	0.22251	0.244265	0.304344	0.27983	RAS p21 protein activator 4 [Source:HGNC Symbol;Acc:HGNC:231	chr7:10217	NM_00107	XM_00671	.	.	NP_00107	XP_006716	protein_co	ENSG0000	102724229	23181
RASA4B	0.060056	0.058383	0.180655	0.031918	0.17683	0.135211	RAS p21 protein activator 4B [Source:HGNC Symbol;Acc:HGNC:35	chr7:10212	NM_00127	XM_00525	.	.	NP_00126	XP_005250	protein_co	ENSG0000	100271927	35202
RASAL1	3.71294	4.15889	5.92267	5.45977	4.30421	5.45183	RAS protein activator like 1 [Source:HGNC Symbol;Acc:HGNC:987	chr12:1135	NM_00119	XM_01153	.	.	NP_00118	XP_005254	protein_co	ENSG0000	8437	9873
RASAL2	3.48338	4.29625	3.83565	3.21704	3.56499	3.4603	RAS protein activator like 2 [Source:HGNC Symbol;Acc:HGNC:987	chr1:17806	NM_00484	XM_01151	.	.	NP_00483	XP_005245	protein_co	ENSG0000	9462	9874
RASAL3	0	0	0	0	0	0	RAS protein activator like 3 [Source:HGNC Symbol;Acc:HGNC:261	chr19:1556	NM_02290	XM_01152	.	.	NP_07505	XP_011526	protein_co	ENSG0000	64926	26129
RASD1	0.109971	0.159859	0.093888	0.150207	0	0.061591	ras related dexamethasone induced 1 [Source:HGNC Symbol;Acc:	chr17:1739	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	51655	15828
RASD2	1.17091	0.910359	1.92206	1.56289	1.55562	1.44988	RASD family member 2 [Source:HGNC Symbol;Acc:HGNC:18229]	chr22:3593	NM_01431	XM_01153	.	.	NP_05512	XP_005261	protein_co	ENSG0000	23551	18229
RASEF	0.132343	0.171451	0.28049	0.083418	0.147044	0.115861	RAS and EF-hand domain containing [Source:HGNC Symbol;Acc:H	chr9:85594	NM_15257	XM_00525	.	.	NP_68978	XP_005251	protein_co	ENSG0000	158158	26464
RASGEF1A	11.3693	12.3756	10.9676	10.8541	10.3363	7.30029	RasGEF domain family member 1A [Source:HGNC Symbol;Acc:HG	chr10:4368	NM_00128	XM_01153	.	.	NP_00126	XP_005271	protein_co	ENSG0000	221002	24246
RASGEF1B	0.128623	0.109509	0.068531	0.135902	0.035865	0.307761	RasGEF domain family member 1B [Source:HGNC Symbol;Acc:HG	chr4:82347	NM_00130	XM_01700	.	.	NP_00128	XP_016863	protein_co	ENSG0000	153020	24881
RASGEF1C	0.552746	0.439324	1.06724	0.437225	0.557624	0.753971	RasGEF domain family member 1C [Source:HGNC Symbol;Acc:HG	chr5:17952	NM_17506	.	.	.	NP_77823	.	protein_co	ENSG0000	255426	27400
RASGRF1	0.485442	0.625724	0.775716	0.275778	0.301551	0.370291	Ras protein specific guanine nucleotide releasing factor 1 [Source	chr15:7925	NM_00114	XM_01702	.	.	NP_00113	XP_011520	protein_co	ENSG0000	5923	9875
RASGRF2	0.045251	0.057176	0.031431	0.010188	0.010135	0.027231	Ras protein specific guanine nucleotide releasing factor 2 [Source	chr5:80256	NM_00690	XM_01700	.	.	NP_00884	XP_016865	protein_co	ENSG0000	5924	9876
RASGRP1	0.611961	0.749489	0.694509	0.389236	0.55717	0.734889	RAS guanyl releasing protein 1 [Source:HGNC Symbol;Acc:HGNC:9	chr15:3878	NM_00112	XM_01702	.	.	NP_00112	XP_005254	protein_co	ENSG0000	10125	9878
RASGRP2	4.95855	4.06276	6.34772	4.41316	4.26409	6.15645	RAS guanyl releasing protein 2 [Source:HGNC Symbol;Acc:HGNC:9	chr11:6449	NM_00109	XM_01154	.	.	NP_00109	XP_005273	protein_co	ENSG0000	10235	9879
RASGRP3	0.109528	0.18788	0.319902	0.132064	0.13964	0.108842	RAS guanyl releasing protein 3 [Source:HGNC Symbol;Acc:HGNC:1	chr2:33661	NM_00113	XM_01700	.	.	NP_00113	XP_005264	protein_co	ENSG0000	25780	14545
RASGRP4	0	0	0	0	0	0	RAS guanyl releasing protein 4 [Source:HGNC Symbol;Acc:HGNC:1	chr19:3889	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	115727	18958
RASIP1	0.619818	0.522329	0.401343	0.692342	0.473938	0.705797	Ras interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:24716	chr19:4922	NM_01780	XM_01702	.	.	NP_06027	XP_011525	protein_co	ENSG0000	54922	24716
RASL10A	0.393644	0.46533	1.25174	0.832701	0.552903	0.788003	RAS like family 10 member A [Source:HGNC Symbol;Acc:HGNC:16	chr22:2970	NM_00647	.	.	.	NP_00646	.	protein_co	ENSG0000	10633	16954
RASL10B	0	0	0	0.028364	0	0	RAS like family 10 member B [Source:HGNC Symbol;Acc:HGNC:30	chr17:3405	NM_03331	.	.	.	NP_20157	XP_016880	protein_co	ENSG0000	91608	30295
RASL11A	4.86882	6.05406	5.67341	6.20552	6.63138	3.13028	RAS like family 11 member A [Source:HGNC Symbol;Acc:HGNC:23	chr13:2784	NM_20682	.	.	.	NP_99656	.	protein_co	ENSG0000	387496	23802
RASL11B	0.351196	0.181308	0.265395	0.535424	0.447287	0.588695	RAS like family 11 member B [Source:HGNC Symbol;Acc:HGNC:23	chr4:53728	NM_02394	.	.	.	NP_07642	.	protein_co	ENSG0000	65997	23804

RASL12	0	0.089707	0	0.087651	0	0.032232	RAS like family 12 [Source:HGNC Symbol;Acc:HGNC:30289]	chr15:6533	NM_00130	XM_00525	.	.	NP_00129	XP_005254	protein_co	ENSG0000	51285	30289
RASSF1	22.0261	20.9068	20.3382	23.6147	21.1246	18.8346	Ras association domain family member 1 [Source:HGNC Symbol;A	chr3:50367	NM_00120	XM_01153	.	.	NP_00119	XP_011531	protein_co	ENSG0000	11186	9882
RASSF10	0	0	0	0	0	0	Ras association domain family member 10 [Source:HGNC Symbol	chr11:1303	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	644943	33984
RASSF2	3.2356	3.26573	4.38495	5.48078	5.24372	4.91096	Ras association domain family member 2 [Source:HGNC Symbol;A	chr20:4760	NM_01473	XM_01702	.	.	NP_05555	XP_005260	protein_co	ENSG0000	9770	9883
RASSF3	31.5018	32.8754	45.9018	41.1423	43.2019	65.6133	Ras association domain family member 3 [Source:HGNC Symbol;A	chr12:6490	NM_17816	XM_01701	.	.	NP_83546	XP_006719	protein_co	ENSG0000	283349	14271
RASSF4	1.13529	0.823052	1.15058	0.903717	1.01227	1.1819	Ras association domain family member 4 [Source:HGNC Symbol;A	chr10:4545	NM_03202	XM_01154	.	.	NP_11441	XP_005271	protein_co	ENSG0000	83937	20793
RASSF5	2.67912	2.71132	2.9963	3.39583	2.81372	2.51962	Ras association domain family member 5 [Source:HGNC Symbol;A	chr1:20668	NM_18266	.	.	.	NP_87260	.	protein_co	ENSG0000	83593	17609
RASSF6	0.537121	0.619458	0.625474	0.674844	0.904973	0.478815	Ras association domain family member 6 [Source:HGNC Symbol;A	chr4:74437	NM_00127	XM_01153	.	.	NP_00125	XP_011529	protein_co	ENSG0000	166824	20796
RASSF7	29.0721	28.9821	24.5365	29.8026	24.5068	18.2098	Ras association domain family member 7 [Source:HGNC Symbol;A	chr11:5375	NM_00114	XM_01701	.	.	NP_00113	XP_005253	protein_co	ENSG0000	8045	1166
RASSF8	4.46494	3.54713	5.10538	3.41728	3.57524	4.79985	Ras association domain family member 8 [Source:HGNC Symbol;A	chr12:2611	NM_00116	XM_01701	.	.	NP_00115	XP_006719	protein_co	ENSG0000	11228	13232
RASSF9	0	0.036872	0.044092	0	0	0	Ras association domain family member 9 [Source:HGNC Symbol;A	chr12:8619	NM_00544	XM_01153	.	.	NP_00543	XP_011537	protein_co	ENSG0000	9182	15739
RAVER1	34.2012	36.3266	30.3679	44.0235	38.7626	29.0619	ribonucleoprotein, PTB binding 1 [Source:HGNC Symbol;Acc:HGN	chr19:1042	NM_13345	XM_01152	.	.	NP_59770	XP_011525	protein_co	ENSG0000	125950	30296
RAVER2	10.1992	10.5989	14.4956	9.91578	13.6679	13.289	ribonucleoprotein, PTB binding 2 [Source:HGNC Symbol;Acc:HGN	chr1:65210	NM_01821	XM_00671	.	.	NP_06068	XP_006710	protein_co	ENSG0000	55225	25577
RAX	0	0	0.031963	0	0.04322	0	retina and anterior neural fold homeobox [Source:HGNC Symbol;	chr18:5693	NM_01343	.	.	.	NP_03846	.	protein_co	ENSG0000	30062	18662
RAX2	0	0	0	0	0	0	retina and anterior neural fold homeobox 2 [Source:HGNC Symbo	chr19:3769	NM_00131	XM_00525	.	.	NP_00130	.	protein_co	ENSG0000	84839	18286
RB1	11.2825	11.9288	11.5068	12.5978	15.046	14.6739	RB transcriptional corepressor 1 [Source:HGNC Symbol;Acc:HGNC	chr13:4887	NM_00032	XM_01153	.	.	NP_00031	XP_011533	protein_co	ENSG0000	5925	9884
RB1CC1	8.13573	8.98944	9.4177	7.49102	9.13431	11.4983	RB1 inducible coiled-coil 1 [Source:HGNC Symbol;Acc:HGNC:1557	chr8:53535	NM_00108	XM_01701	.	.	NP_00107	XP_011515	protein_co	ENSG0000	9821	15574
RBAK	7.41182	7.18353	7.26961	5.55254	7.56727	7.58491	RB associated KRAB zinc finger [Source:HGNC Symbol;Acc:HGNC:	chr7:50233	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	57786	17680
RBAK-RBAKDN	0.946028	1.83265	1.403	1.67513	1.51585	2.18887	RBAK-RBAKDN readthrough [Source:HGNC Symbol;Acc:HGNC:429	chr7:50233	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	100533952	42971
RBBP4	135.357	132.858	117.881	145.892	148.51	128.391	RB binding protein 4, chromatin remodeling factor [Source:HGNC	chr1:33116	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	5928	9887
RBBP5	12.1846	11.9346	11.7688	13.6603	14.1091	15.4932	RB binding protein 5, histone lysine methyltransferase complex s	chr1:20505	NM_00119	XM_01150	.	.	NP_00118	XP_011508	protein_co	ENSG0000	5929	9888
RBBP6	13.8343	13.0076	13.5676	12.9697	17.1665	15.1903	RB binding protein 6, ubiquitin ligase [Source:HGNC Symbol;Acc:H	chr16:2455	NM_00691	XM_00525	.	.	NP_00884	.	protein_co	ENSG0000	5930	9889
RBBP7	93.9476	91.7971	97.9678	97.2386	94.5848	92.3347	RB binding protein 7, chromatin remodeling factor [Source:HGNC	chrX:16804	NM_00119	XM_01154	.	.	NP_00118	.	protein_co	ENSG0000	5931	9890
RBBP8	32.9379	29.134	29.4111	33.2375	33.8335	37.3609	RB binding protein 8, endonuclease [Source:HGNC Symbol;Acc:H	chr18:2051	NM_00289	XM_01152	NR_03989	.	NP_00288	XP_005258	protein_co	ENSG0000	100616139	9891
RBBP8NL	0.353638	0.218016	0.439357	0.290427	0.328747	0.469918	RBBP8 N-terminal like [Source:HGNC Symbol;Acc:HGNC:16144]	chr20:6098	NM_08083	XM_01152	.	.	NP_54302	.	protein_co	ENSG0000	140893	16144
RBBP9	8.42765	7.56537	8.13113	7.68816	9.15686	8.04606	RB binding protein 9, serine hydrolase [Source:HGNC Symbol;Acc	chr20:1846	NM_00660	XM_00526	.	.	NP_00659	XP_005260	protein_co	ENSG0000	10741	9892
RBCK1	67.1999	67.1635	46.3032	49.608	42.4006	128.239	RANBP2-type and C3HC4-type zinc finger containing 1 [Source:H	chr20:3886	NM_00132	XM_01152	.	.	NP_00131	XP_005260	protein_co	ENSG0000	10616	15864
RBFA	24.9305	23.8892	24.621	22.3575	18.8317	17.5974	ribosome binding factor A (putative) [Source:HGNC Symbol;Acc:H	chr18:7779	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	79863	26120
RBFOX1	0	0	0	0	0.071292	0	RNA binding protein, fox-1 homolog 1 [Source:HGNC Symbol;Acc:	chr16:6069	NM_00114	XM_01702	.	.	NP_00113	XP_005255	protein_co	ENSG0000	54715	18222
RBFOX2	34.7592	34.7521	34.6648	31.3736	34.381	37.7233	RNA binding protein, fox-1 homolog 2 [Source:HGNC Symbol;Acc:	chr22:3613	NM_00103	XM_01702	.	.	NP_00102	XP_005261	protein_co	ENSG0000	23543	9906
RBFOX3	0	0.087021	0	0.033255	0	0	RNA binding protein, fox-1 homolog 3 [Source:HGNC Symbol;Acc:	chr17:7708	NM_00108	XM_01152	.	.	NP_00107	XP_011522	protein_co	ENSG0000	146713	27097
RBKS	1.49182	1.67154	1.3432	0.905931	0.429906	0.833593	ribokinase [Source:HGNC Symbol;Acc:HGNC:30325]	chr2:27994	NM_02212	.	.	.	NP_07141	.	protein_co	ENSG0000	64080	30325
RBL1	5.27927	5.13684	4.16165	3.91173	5.14344	5.50947	RB transcriptional corepressor like 1 [Source:HGNC Symbol;Acc:H	chr20:3562	NM_00289	XM_01152	.	.	NP_00288	XP_006723	protein_co	ENSG0000	5933	9893
RBL2	11.0882	11.3873	14.457	6.91842	8.6501	8.65496	RB transcriptional corepressor like 2 [Source:HGNC Symbol;Acc:H	chr16:5346	NM_00132	XM_01152	.	.	NP_00131	XP_011521	protein_co	ENSG0000	5934	9894
RBM10	27.8789	29.3682	24.1296	31.4519	28.6469	23.6354	RNA binding motif protein 10 [Source:HGNC Symbol;Acc:HGNC:9	chrX:47001	NM_00120	XM_00672	.	.	NP_00119	XP_005272	protein_co	ENSG0000	8241	9896
RBM11	0	0	0	0	0	0	RNA binding motif protein 11 [Source:HGNC Symbol;Acc:HGNC:9	chr21:1558	NM_00132	XM_00526	NR_13531	.	NP_00130	XP_005261	protein_co	ENSG0000	54033	9897
RBM12	37.7613	37.8754	41.7298	44.6058	52.3588	46.0726	RNA binding motif protein 12 [Source:HGNC Symbol;Acc:HGNC:9	chr20:3421	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	10137	9898
RBM12B	21.2524	20.0066	19.3905	21.4511	25.2027	24.9536	RNA binding motif protein 12B [Source:HGNC Symbol;Acc:HGNC:	chr8:94712	NM_20339	XM_01151	.	.	NP_97632	XP_005250	protein_co	ENSG0000	389677	32310
RBM12B-AS1	0.155818	0	0.135384	0.168984	0	0.161201	RBM12B antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:2881	chr8:94712	.	.	NR_02725	.	.	.	TEC	ENSG0000	55472	28818
RBM14	49.3368	51.6513	42.4697	60.327	60.5993	35.9202	RNA binding motif protein 14 [Source:HGNC Symbol;Acc:HGNC:1	chr11:6638	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	10432	14219
RBM14-RBM4	2.39412	0.00572	7.72808	11.0086	7.07801	9.87864	RBM14-RBM4 readthrough [Source:HGNC Symbol;Acc:HGNC:388	chr11:6638	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100526737	38840
RBM15	10.0174	11.1625	9.65658	9.48828	12.1723	12.6264	RNA binding motif protein 15 [Source:HGNC Symbol;Acc:HGNC:1	chr1:11088	NM_00120	XM_01154	.	.	NP_00118	XP_011540	protein_co	ENSG0000	64783	14959
RBM15B	16.9753	17.7352	18.257	17.5549	15.6735	15.3674	RNA binding motif protein 15B [Source:HGNC Symbol;Acc:HGNC:	chr3:51428	NM_01328	.	.	.	NP_03741	.	protein_co	ENSG0000	29890	24303
RBM17	36.9793	35.4455	30.5868	37.6371	37.3512	33.0654	RNA binding motif protein 17 [Source:HGNC Symbol;Acc:HGNC:1	chr10:6130	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	84991	16944
RBM18	11.9668	12.0055	12.7785	12.3198	12.81	14.9063	RNA binding motif protein 18 [Source:HGNC Symbol;Acc:HGNC:2	chr9:12499	NM_03311	XM_00671	.	.	NP_14910	XP_006717	protein_co	ENSG0000	92400	28413
RBM19	6.7976	6.55423	5.93145	7.54069	6.51494	4.11914	RNA binding motif protein 19 [Source:HGNC Symbol;Acc:HGNC:2	chr12:1142	NM_00114	XM_01153	.	.	NP_00114	.	protein_co	ENSG0000	9904	29098
RBM20	0.919505	0.998453	1.51662	0.885313	1.0643	1.13627	RNA binding motif protein 20 [Source:HGNC Symbol;Acc:HGNC:2	chr10:1124	NM_00113	XM_01153	.	.	NP_00112	XP_011537	protein_co	ENSG0000	282996	27424
RBM22	33.589	31.5236	24.0705	33.9521	30.1635	26.6819	RNA binding motif protein 22 [Source:HGNC Symbol;Acc:HGNC:2	chr5:15007	NM_01804	.	.	.	NP_06051	.	protein_co	ENSG0000	55696	25503
RBM23	28.2615	26.2976	24.0499	27.3733	23.7217	20.9089	RNA binding motif protein 23 [Source:HGNC Symbol;Acc:HGNC:2	chr14:2336	NM_00107	XM_01153	.	.	NP_00107	XP_005267	protein_co	ENSG0000	55147	20155
RBM24	2.55909	3.44754	3.83388	3.91257	4.3638	5.88825	RNA binding motif protein 24 [Source:HGNC Symbol;Acc:HGNC:2	chr6:17281	NM_00114	XM_01151	.	.	NP_00113	XP_005248	protein_co	ENSG0000	221662	21539
RBM25	39.2053	41.377	40.3052	36.771	38.4908	36.3918	RNA binding motif protein 25 [Source:HGNC Symbol;Acc:HGNC:2	chr14:7352	NM_02123	XM_01153	.	.	NP_06706	XP_011535	protein_co	ENSG0000	58517	23244
RBM26	17.6091	18.2086	17.4926	11.0073	12.2928	10.9343	RNA binding motif protein 26 [Source:HGNC Symbol;Acc:HGNC:2	chr13:7989	NM_00128	XM_01153	.	.	NP_00127	XP_005266	protein_co	ENSG0000	64062	20327
RBM27	7.16065	7.47946	6.78198	7.47564	8.08603	9.17707	RNA binding motif protein 27 [Source:HGNC Symbol;Acc:HGNC:2	chr5:14558	NM_01898	XM_01153	.	.	NP_06186	XP_005268	protein_co	ENSG0000	54439	29243
RBM28	14.3085	15.9905	13.1939	14.785	12.4875	11.058	RNA binding motif protein 28 [Source:HGNC Symbol;Acc:HGNC:2	chr7:12793	NM_00116	XM_01151	.	.	NP_00115	XP_011514	protein_co	ENSG0000	55131	21863
RBM3	157.876	162.695	132.122	144.804	125.566	125.055	RNA binding motif (RNP1, RRM) protein 3 [Source:HGNC Symbol;	chrX:48432	NM_00674	XM_01154	.	.	NP_00673	.	protein_co	ENSG0000	5935	9900
RBM33	10.6392	10.4994	12.5996	7.32323	8.01419	10.4874	RNA binding motif protein 33 [Source:HGNC Symbol;Acc:HGNC:2	chr7:15543	NM_05304	XM_01151	.	.	NP_44427	XP_005249	protein_co	ENSG0000	155435	27223
RBM34	18.9755	14.4535	17.0829	17.6118	20.8256	20.4932	RNA binding motif protein 34 [Source:HGNC Symbol;Acc:HGNC:2	chr1:23529	NM_01501	XM_01154	.	.	NP_05582	XP_011542	protein_co	ENSG0000	23029	28965
RBM38	31.8817	34.7156	35.895	42.5395	37.732	33.749	RNA binding motif protein 38 [Source:HGNC Symbol;Acc:HGNC:1	chr20:5596	NM_01749	.	.	.	NP_05996	.	protein_co	ENSG0000	55544	15818
RBM39	63.1435	59.2703	60.832	58.5385	60.9556	66.639	RNA binding motif protein 39 [Source:HGNC Symbol;Acc:HGNC:1	chr20:3429	NM_00124	XM_01152	.	.	NP_00122	XP_006723	protein_co	ENSG0000	9584	15923

RBM4	77.3377	76.6735	63.4116	83.257	76.909	58.48	RNA binding motif protein 4 [Source:HGNC Symbol;Acc:HGNC:99	chr11:6638	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	5936	9901
RBM41	6.82851	5.70346	6.89281	5.41936	6.74043	6.31215	RNA binding motif protein 41 [Source:HGNC Symbol;Acc:HGNC:2	chrX:10630	NM_00117	XM_01153	.	.	NP_00116	XP_01152	protein_co	ENSG0000	55285	25617
RBM42	53.0838	57.2802	42.9658	70.6696	55.8531	40.9806	RNA binding motif protein 42 [Source:HGNC Symbol;Acc:HGNC:2	chr19:3611	NM_00131	XM_00525	.	.	NP_00130	XP_00525	protein_co	ENSG0000	79171	28117
RBM43	2.69444	2.31692	2.54771	1.56423	1.92511	2.15796	RNA binding motif protein 43 [Source:HGNC Symbol;Acc:HGNC:2	chr2:15210	NM_19855	.	.	.	NP_94095	XP_01685	protein_co	ENSG0000	375287	24790
RBM44	0.102442	0.225282	0.083461	0.361816	0.199719	0.050873	RNA binding motif protein 44 [Source:HGNC Symbol;Acc:HGNC:2	chr2:23870	NM_00108	XM_01700	.	.	NP_00107	XP_00524	protein_co	ENSG0000	375316	24756
RBM45	8.50818	9.10147	8.67065	9.45759	10.1659	6.89886	RNA binding motif protein 45 [Source:HGNC Symbol;Acc:HGNC:2	chr2:17897	NM_15294	XM_00671	.	.	NP_69445	XP_00524	protein_co	ENSG0000	129831	24468
RBM46	0.049951	0.105986	0.130693	0	0.182674	0.099026	RNA binding motif protein 46 [Source:HGNC Symbol;Acc:HGNC:2	chr4:15570	NM_00127	XM_01153	.	.	NP_00126	XP_00671	protein_co	ENSG0000	166863	28401
RBM47	9.13004	8.98079	8.82677	7.99163	8.26955	10.0313	RNA binding motif protein 47 [Source:HGNC Symbol;Acc:HGNC:3	chr4:40425	NM_00109	XM_01151	.	.	NP_00109	XP_00524	protein_co	ENSG0000	54502	30358
RBM48	7.41382	5.84639	6.63112	6.00075	7.91156	6.61559	RNA binding motif protein 48 [Source:HGNC Symbol;Acc:HGNC:2	chr7:92158	NM_03212	XM_00671	.	.	NP_11549	XP_00525	protein_co	ENSG0000	84060	21785
RBM4B	17.872	16.0518	13.9375	14.5412	16.0171	13.0302	RNA binding motif protein 4B [Source:HGNC Symbol;Acc:HGNC:2	chr11:6638	NM_00128	XM_01154	.	.	NP_00127	XP_01154	protein_co	ENSG0000	83759	28842
RBM5	26.9598	28.0533	25.2797	25.2811	26.8683	25.4334	RNA binding motif protein 5 [Source:HGNC Symbol;Acc:HGNC:99	chr3:50126	NM_00577	XM_01700	.	.	NP_00576	XP_00671	protein_co	ENSG0000	10181	9902
RBM6	18.3479	20.0994	18.4474	20.1892	18.3622	18.641	RNA binding motif protein 6 [Source:HGNC Symbol;Acc:HGNC:99	chr3:49977	NM_00116	XM_01700	.	.	NP_00116	XP_00526	protein_co	ENSG0000	10180	9903
RBM7	24.6935	23.4994	22.0798	21.1144	23.0424	24.0812	RNA binding motif protein 7 [Source:HGNC Symbol;Acc:HGNC:99	chr11:1142	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	10179	9904
RBM8A	139.587	137.42	110.799	141.218	128.533	111.936	RNA binding motif protein 8A [Source:HGNC Symbol;Acc:HGNC:9	chr1:14545	NM_00510	.	.	.	NP_00509	.	protein_co	ENSG0000	9939	9905
RBMS1	8.3033	7.69009	6.47907	7.52208	7.97733	7.92949	RNA binding motif single stranded interacting protein 1 [Source:H	chr2:16112	NM_00289	XM_01700	NR_03994	.	NP_00288	XP_00524	protein_co	ENSG0000	100616364	9907
RBMS2	8.42134	8.89779	9.81542	5.0731	5.27621	7.58769	RNA binding motif single stranded interacting protein 2 [Source:H	chr12:5691	NM_00289	XM_01701	.	.	NP_00288	XP_00526	protein_co	ENSG0000	5939	9909
RBMS3	0.010826	0.035357	0.187853	0	0.011853	0.029049	RNA binding motif single stranded interacting protein 3 [Source:H	chr3:29322	NM_00100	XM_01153	.	.	NP_00100	XP_00526	protein_co	ENSG0000	27303	13427
RBMX	139.836	144.503	120.183	170.801	171.059	143.749	RNA binding motif protein, X-linked [Source:HGNC Symbol;Acc:H	chrX:13595	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	27316	9910
RBMX2	16.4333	15.328	15.3432	16.0822	15.3521	14.2758	RNA binding motif protein, X-linked 2 [Source:HGNC Symbol;Acc:	chrX:12953	NM_01602	.	.	.	NP_05710	.	protein_co	ENSG0000	51634	24282
RBMXL1	8.34872	8.55849	7.00981	7.83424	8.49579	6.99444	RNA binding motif protein, X-linked like 1 [Source:HGNC Symbol;	chr1:89401	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	494115	25073
RBMXL2	0.055109	0.215749	0.094463	0.119142	0.127394	0	RNA binding motif protein, X-linked like 2 [Source:HGNC Symbol;	chr11:7110	NM_01446	.	.	.	NP_05528	.	protein_co	ENSG0000	27288	17886
RBMXL3	0	0	0	0	0	0	RNA binding motif protein, X-linked like 3 [Source:HGNC Symbol;	chrX:11434	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	139804	26859
RBMY1A1	0	0	0	0	0	0	RNA binding motif protein, Y-linked, family 1, member A1 [Source	chrY:23673	NM_00132	XM_01153	.	.	NP_00130	XP_01152	protein_co	ENSG0000	5940	9912
RBMY1B	0	0	0	0	0	0	RNA binding motif protein, Y-linked, family 1, member B [Source:	chrY:23673	NM_00100	XM_01153	.	.	NP_00100	XP_01152	protein_co	ENSG0000	378949	23914
RBMY1D	0	0	0	0	0	0	RNA binding motif protein, Y-linked, family 1, member D [Source:	chrY:24026	NM_00100	XM_01153	.	.	NP_00100	XP_00526	protein_co	ENSG0000	378949	23915
RBMY1E	0	0	0	0	0	0	RNA binding motif protein, Y-linked, family 1, member E [Source:	chrY:24049	NM_00100	XM_01153	.	.	NP_00100	XP_01152	protein_co	ENSG0000	378950	23916
RBMY1F	0	0	0	0	0	0	RNA binding motif protein, Y-linked, family 1, member F [Source:	chrY:24314	NM_00130	XM_01153	.	.	NP_00129	XP_01152	protein_co	ENSG0000	378951	23974
RBMY1J	0	0	0	0	0	0	RNA binding motif protein, Y-linked, family 1, member J [Source:	chrY:24549	NM_00100	XM_01153	.	.	NP_00100	XP_01152	protein_co	ENSG0000	378951	23917
RBP1	92.3197	87.0796	166.48	114.478	83.9073	84.9043	retinol binding protein 1 [Source:HGNC Symbol;Acc:HGNC:9919]	chr3:13923	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	5947	9919
RBP2	0	0	0	0	0	0	retinol binding protein 2 [Source:HGNC Symbol;Acc:HGNC:9920]	chr3:13917	NM_00416	.	.	.	NP_00415	.	protein_co	ENSG0000	5948	9920
RBP3	0	0	0	0	0	0	retinol binding protein 3 [Source:HGNC Symbol;Acc:HGNC:9921]	chr10:4838	NM_00290	.	.	.	NP_00289	.	protein_co	ENSG0000	5949	9921
RBP4	0	0	0	0	0	0	retinol binding protein 4 [Source:HGNC Symbol;Acc:HGNC:9922]	chr10:9532	NM_00132	.	.	.	NP_00131	.	protein_co	ENSG0000	5950	9922
RBP5	0.072125	0.072582	0	0	0	0	retinol binding protein 5 [Source:HGNC Symbol;Acc:HGNC:15847	chr12:7276	NM_03149	XM_01152	.	.	NP_11367	XP_01151	protein_co	ENSG0000	83758	15847
RBP7	38.9834	36.6525	47.4197	42.7904	34.6695	40.1819	retinol binding protein 7 [Source:HGNC Symbol;Acc:HGNC:30316	chr1:10057	NM_05296	.	.	.	NP_44319	.	protein_co	ENSG0000	116362	30316
RBPJ	21.2138	19.3172	22.5986	17.2319	24.6185	30.373	recombination signal binding protein for immunoglobulin kappa J	chr4:26321	NM_00534	XM_01700	.	.	NP_00534	XP_00524	protein_co	ENSG0000	3516	5724
RBPJL	0	0.055648	0	0.082527	0	0.084221	recombination signal binding protein for immunoglobulin kappa J	chr20:4392	NM_00128	XM_01152	.	.	NP_00126	XP_01152	protein_co	ENSG0000	11317	13761
RBPMS	4.48138	4.12247	4.85023	8.4873	7.338	7.39264	RNA binding protein with multiple splicing [Source:HGNC Symbol	chr8:30241	NM_00100	XM_01154	.	.	NP_00100	XP_00671	protein_co	ENSG0000	11030	19097
RBPMS2	6.92801	7.3989	10.9141	7.94485	8.71877	7.57439	RNA binding protein with multiple splicing 2 [Source:HGNC Symb	chr15:6503	NM_19427	.	.	.	NP_91924	.	protein_co	ENSG0000	348093	19098
RBSN	6.35433	7.72813	6.77315	5.71074	7.31429	6.42089	rabenosyn, RAB effector [Source:HGNC Symbol;Acc:HGNC:20759	chr3:15111	NM_00130	XM_01700	.	.	NP_00128	XP_00526	protein_co	ENSG0000	64145	20759
RBX1	41.722	42.477	41.0256	57.0424	44.5322	45.1061	ring-box 1 [Source:HGNC Symbol;Acc:HGNC:9928]	chr22:4134	NM_01424	.	.	.	NP_05506	.	protein_co	ENSG0000	9978	9928
RC3H1	4.62289	4.55131	5.19034	4.01252	4.33655	4.97113	ring finger and CCCH-type domains 1 [Source:HGNC Symbol;Acc:H	chr1:17390	NM_00130	XM_01150	.	.	NP_00128	XP_00524	protein_co	ENSG0000	149041	29434
RC3H2	14.4016	14.8982	13.4905	13.5894	15.1497	19.5017	ring finger and CCCH-type domains 2 [Source:HGNC Symbol;Acc:H	chr9:12560	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	54542	21461
RCAN1	9.50298	10.696	10.6554	10.7183	10.1526	11.8714	regulator of calcineurin 1 [Source:HGNC Symbol;Acc:HGNC:3040]	chr21:3588	NM_00128	XM_01702	.	.	NP_00127	XP_00526	protein_co	ENSG0000	1827	3040
RCAN2	0.443975	0.237599	1.19904	0.710582	0.641851	2.10793	regulator of calcineurin 2 [Source:HGNC Symbol;Acc:HGNC:3041]	chr6:46188	NM_00125	XM_01151	.	.	NP_00123	XP_00671	protein_co	ENSG0000	10231	3041
RCAN3	5.75563	5.71164	5.54586	6.47768	5.43682	6.59286	RCAN family member 3 [Source:HGNC Symbol;Acc:HGNC:3042]	chr1:24828	NM_00125	.	.	.	NP_00123	.	protein_co	ENSG0000	11123	3042
RCBTB1	12.2327	14.1592	13.125	11.8956	14.194	14.3494	RCC1 and BTB domain containing protein 1 [Source:HGNC Symbo	chr13:5010	NM_01819	XM_01153	.	.	NP_06066	XP_00526	protein_co	ENSG0000	55213	18243
RCBTB2	1.36396	1.34041	0.60454	1.24307	1.14485	1.36628	RCC1 and BTB domain containing protein 2 [Source:HGNC Symbo	chr13:4906	NM_00126	XM_01702	.	.	NP_00125	XP_00526	protein_co	ENSG0000	1102	1914
RCC1	92.9497	98.9394	71.969	108.179	93.5522	60.3862	regulator of chromosome condensation 1 [Source:HGNC Symbol;	chr1:28832	NM_00104	.	.	.	NP_00104	.	protein_co	ENSG0000	1104	1913
RCC1L	14.5046	15.1804	13.9645	16.0979	13.7939	10.2253	RCC1 like [Source:HGNC Symbol;Acc:HGNC:14948]	chr7:74441	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	81554	14948
RCC2	104.548	106.701	93.2421	115.946	109.164	126.651	regulator of chromosome condensation 2 [Source:HGNC Symbol;	chr1:17733	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	55920	30297
RCCD1	13.3283	13.0034	12.9968	13.817	12.3896	11.6011	RCC1 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:3045	chr15:9149	NM_00101	XM_01152	.	.	NP_00101	XP_01152	protein_co	ENSG0000	91433	30457
RCE1	28.5615	27.5008	21.4985	32.7294	22.3924	20.5729	Ras converting CAAX endopeptidase 1 [Source:HGNC Symbol;Acc	chr11:6661	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	9986	13721
RCHY1	10.4306	11.4811	10.0069	9.83002	15.0269	14.5079	ring finger and CHY zinc finger domain containing 1 [Source:HGN	chr4:76404	NM_00100	XM_01153	.	.	NP_00100	XP_01153	protein_co	ENSG0000	25898	17479
RCL1	18.7363	20.472	20.0477	20.5141	20.4872	18.9567	RNA terminal phosphate cyclase like 1 [Source:HGNC Symbol;Acc	chr9:47928	NM_00128	XM_01151	.	.	NP_00127	XP_00671	protein_co	ENSG0000	10171	17687
RCN1	67.904	71.9118	52.5905	64.5724	62.0812	75.7293	reticulocalbin 1 [Source:HGNC Symbol;Acc:HGNC:9934]	chr11:3180	NM_00290	.	NR_03397	.	NP_00289	.	protein_co	ENSG0000	440034	9934
RCN2	71.8828	70.6171	65.1829	78.1093	78.9963	80.4388	reticulocalbin 2 [Source:HGNC Symbol;Acc:HGNC:9935]	chr15:7722	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	5955	9935
RCN3	0	0.084478	0	0.185926	0.052294	0.050009	reticulocalbin 3 [Source:HGNC Symbol;Acc:HGNC:21145]	chr19:5003	NM_02065	XM_01152	.	.	NP_06570	XP_01152	protein_co	ENSG0000	57333	21145
RCOR1	11.4644	11.0163	12.6793	14.0201	15.1705	15.2734	REST corepressor 1 [Source:HGNC Symbol;Acc:HGNC:17441]	chr14:1030	NM_01515	.	.	.	NP_05597	.	protein_co	ENSG0000	23186	17441
RCOR2	6.36592	6.07361	5.28098	7.86055	5.95772	6.38117	REST corepressor 2 [Source:HGNC Symbol;Acc:HGNC:27455]	chr11:6367	NM_17358	XM_00527	.	.	NP_77585	XP_00527	protein_co	ENSG0000	283248	27455

RCOR3	7.84758	7.5777	7.9266	5.38602	5.98112	7.32842	REST corepressor 3 [Source:HGNC Symbol;Acc:HGNC:25594]	chr1:21143	NM_00113	XM_01150	.	.	NP_00112	XP_005273	protein_co	ENSG0000	55758	25594
RCSD1	0	0	0	0	0	0	RCSD domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2831	chr1:16759	NM_05286	XM_01151	.	.	NP_00130	XP_005245	protein_co	ENSG0000	92241	28310
RCVRN	0	0	0	0	0	0	recoverin [Source:HGNC Symbol;Acc:HGNC:9937]	chr17:9799	NM_00290	.	.	.	NP_00289	.	protein_co	ENSG0000	5957	9937
RD3	0.017377	0	0	0	0	0	retinal degeneration 3 [Source:HGNC Symbol;Acc:HGNC:19689]	chr1:21164	NM_00116	XM_01150	.	.	NP_00115	XP_011507	protein_co	ENSG0000	343035	19689
RD3L	0	0	0	0	0	0	retinal degeneration 3-like [Source:HGNC Symbol;Acc:HGNC:4091	chr14:1043	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	647286	40912
RDH10	10.3456	9.20229	9.67019	12.3402	13.6113	9.59549	retinol dehydrogenase 10 (all-trans) [Source:HGNC Symbol;Acc:H	chr8:74202	NM_17203	XM_01151	.	.	NP_74203	XP_011515	protein_co	ENSG0000	157506	19975
RDH11	42.8821	39.1124	43.2371	48.2086	52.1272	51.6975	retinol dehydrogenase 11 (all-trans/9-cis/11-cis) [Source:HGNC Sy	chr14:6814	NM_00125	.	.	.	NP_00123	.	protein_co	ENSG0000	51109	17964
RDH12	0.215435	0.087148	0.335545	0	0.098682	0.275672	retinol dehydrogenase 12 (all-trans/9-cis/11-cis) [Source:HGNC Sy	chr14:6816	NM_15244	.	.	.	NP_68965	.	protein_co	ENSG0000	145226	19977
RDH13	13.3601	17.0662	13.6207	16.8395	13.7211	9.83293	retinol dehydrogenase 13 [Source:HGNC Symbol;Acc:HGNC:1997	chr19:5555	NM_00114	XM_01152	.	.	NP_00113	XP_005258	protein_co	ENSG0000	112724	19978
RDH14	17.5387	16.9009	16.2601	13.7813	14.5996	16.7112	retinol dehydrogenase 14 (all-trans/9-cis/11-cis) [Source:HGNC Sy	chr2:18735	NM_02090	.	.	.	NP_06595	.	protein_co	ENSG0000	57665	19979
RDH16	0.414009	0.423346	0.308981	0.259951	0.135042	0.340421	retinol dehydrogenase 16 (all-trans) [Source:HGNC Symbol;Acc:H	chr12:5734	NM_00370	XM_01153	.	.	NP_00369	.	protein_co	ENSG0000	8608	29674
RDH5	0.693355	0.413872	1.08732	1.65335	0.603804	1.19539	retinol dehydrogenase 5 [Source:HGNC Symbol;Acc:HGNC:9940]	chr12:5610	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	5959	9940
RDH8	0	0	0	0	0	0	retinol dehydrogenase 8 (all-trans) [Source:HGNC Symbol;Acc:HG	chr19:1012	NM_01572	.	.	.	NP_05654	.	protein_co	ENSG0000	50700	14423
RDM1	3.84612	3.67126	4.18912	6.9919	8.39047	5.59621	RAD52 motif containing 1 [Source:HGNC Symbol;Acc:HGNC:1995	chr17:3424	NM_00103	.	.	.	NP_00103	XP_011522	protein_co	ENSG0000	201299	19950
RDX	25.6337	26.1926	26.1779	33.0028	36.1317	38.1867	radixin [Source:HGNC Symbol;Acc:HGNC:9944]	chr11:1100	NM_00126	.	.	.	NP_00124	.	protein_co	ENSG0000	5962	9944
REC114	0	0	0	0	0	0	REC114 meiotic recombination protein [Source:HGNC Symbol;Acc	chr15:7337	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	283677	25065
REC8	0.317512	0.474604	0.62548	0.549447	0.433517	0.617872	REC8 meiotic recombination protein [Source:HGNC Symbol;Acc:H	chr14:2464	NM_00104	XM_01153	.	.	NP_00104	XP_011535	protein_co	ENSG0000	9985	16879
RECK	0.910046	0.797206	0.891146	1.00718	0.800076	0.81641	reversion inducing cysteine rich protein with kazal motifs [Source	chr9:36036	NM_02111	XM_01151	.	.	NP_06693	XP_016870	protein_co	ENSG0000	8434	11345
RECQL	13.2556	11.1367	13.2537	8.15426	13.6496	14.3254	RecQ like helicase [Source:HGNC Symbol;Acc:HGNC:9948]	chr12:2159	NM_00290	XM_01152	.	.	NP_00289	XP_005253	protein_co	ENSG0000	5965	9948
RECQL4	48.6807	49.1717	39.7963	53.2918	47.3719	38.265	RecQ like helicase 4 [Source:HGNC Symbol;Acc:HGNC:9949]	chr8:14573	NM_00426	XM_01151	.	.	NP_00425	XP_011515	protein_co	ENSG0000	9401	9949
RECQL5	11.3307	11.3432	12.1446	8.4314	9.87434	9.90126	RecQ like helicase 5 [Source:HGNC Symbol;Acc:HGNC:9950]	chr17:7362	NM_00100	XM_01152	.	.	NP_00100	XP_005257	protein_co	ENSG0000	9400	9950
REEP1	4.04283	4.59422	5.04279	4.53204	5.21109	4.59928	receptor accessory protein 1 [Source:HGNC Symbol;Acc:HGNC:25	chr2:86441	NM_00116	XM_01700	.	.	NP_00115	XP_005264	protein_co	ENSG0000	65055	25786
REEP2	3.47135	3.38694	6.11436	5.12568	3.02324	3.05504	receptor accessory protein 2 [Source:HGNC Symbol;Acc:HGNC:17	chr5:13777	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	51308	17975
REEP3	11.7555	12.8828	9.90072	10.964	12.2657	9.85089	receptor accessory protein 3 [Source:HGNC Symbol;Acc:HGNC:23	chr10:6528	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	221035	23711
REEP4	43.1868	43.8694	32.7423	49.2022	42.3296	44.8812	receptor accessory protein 4 [Source:HGNC Symbol;Acc:HGNC:26	chr8:21995	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	80346	26176
REEP5	68.7135	74.9117	53.6244	76.2744	63.0458	53.6251	receptor accessory protein 5 [Source:HGNC Symbol;Acc:HGNC:30	chr5:11221	NM_00566	.	.	.	NP_00566	.	protein_co	ENSG0000	7905	30077
REEP6	34.7681	38.762	40.0858	35.2176	25.7919	27.4329	receptor accessory protein 6 [Source:HGNC Symbol;Acc:HGNC:30	chr19:1490	NM_13839	.	.	.	NP_61240	.	protein_co	ENSG0000	92840	30078
REG1A	0	0	0	0	0	0	regenerating family member 1 alpha [Source:HGNC Symbol;Acc:H	chr2:79347	NM_00290	.	.	.	NP_00290	.	protein_co	ENSG0000	5967	9951
REG1B	0	0	0	0	0	0	regenerating family member 1 beta [Source:HGNC Symbol;Acc:H	chr2:79312	NM_00650	.	.	.	NP_00649	.	protein_co	ENSG0000	5968	9952
REG3A	0	0	0	0	0	0	regenerating family member 3 alpha [Source:HGNC Symbol;Acc:H	chr2:79384	NM_00258	.	.	.	NP_00257	.	protein_co	ENSG0000	5068	8601
REG3G	0	0	0	0	0	0	regenerating family member 3 gamma [Source:HGNC Symbol;Acc	chr2:79252	NM_00100	XM_00526	.	.	NP_00100	XP_005264	protein_co	ENSG0000	130120	29595
REG4	0.19434	0	0	0.15837	0.458208	0.17937	regenerating family member 4 [Source:HGNC Symbol;Acc:HGNC:	chr1:12033	NM_00115	.	.	.	NP_00115	.	protein_co	ENSG0000	83998	22977
REL	3.36063	3.04826	3.14929	1.42037	1.78567	2.10647	REL proto-oncogene, NF-kB subunit [Source:HGNC Symbol;Acc:H	chr2:61108	NM_00129	.	.	.	NP_00127	XP_016860	protein_co	ENSG0000	5966	9954
RELA	32.8394	34.0213	31.4603	33.5967	30.4833	24.9565	RELA proto-oncogene, NF-kB subunit [Source:HGNC Symbol;Acc:H	chr11:6542	NM_00114	XM_01154	.	.	NP_00113	XP_011543	protein_co	ENSG0000	5970	9955
RELB	17.6257	18.7272	16.1892	5.13774	5.03538	5.45382	RELB proto-oncogene, NF-kB subunit [Source:HGNC Symbol;Acc:H	chr19:4550	NM_00650	XM_00525	.	.	NP_00650	XP_005259	protein_co	ENSG0000	5971	9956
RELL1	7.48055	6.7054	8.3245	6.78722	8.29939	9.62606	RELT like 1 [Source:HGNC Symbol;Acc:HGNC:27379]	chr4:37455	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	768211	27379
RELL2	4.38755	4.30364	6.00235	5.39716	4.65428	4.32894	RELT like 2 [Source:HGNC Symbol;Acc:HGNC:26902]	chr5:14101	NM_00113	XM_01153	.	.	NP_00112	XP_005268	protein_co	ENSG0000	285613	26902
RELN	0	0.006185	0.005111	0	0	0	reelin [Source:HGNC Symbol;Acc:HGNC:9957]	chr7:10311	NM_00504	.	.	.	NP_00503	.	protein_co	ENSG0000	5649	9957
RELT	9.16167	9.35081	8.24437	8.89218	9.10066	5.81232	RELT tumor necrosis factor receptor [Source:HGNC Symbol;Acc:H	chr11:7308	NM_03287	XM_01154	.	.	NP_11626	XP_011543	protein_co	ENSG0000	84957	13764
REM1	0	0	0	0	0	0	RRAD and GEM like GTPase 1 [Source:HGNC Symbol;Acc:HGNC:1	chr20:3006	NM_01401	XM_01152	.	.	NP_05473	XP_005260	protein_co	ENSG0000	28954	15922
REM2	0.286273	0.423968	0.436212	0.567949	0.275875	0.364148	RRAD and GEM like GTPase 2 [Source:HGNC Symbol;Acc:HGNC:2	chr14:2335	NM_17352	XM_00526	.	.	NP_77579	XP_005267	protein_co	ENSG0000	161253	20248
REN	0.192501	0.048753	0.249894	0.052431	0.162623	0.460644	renin [Source:HGNC Symbol;Acc:HGNC:9958]	chr1:20412	NM_00053	.	.	.	NP_00052	.	protein_co	ENSG0000	5972	9958
RENBP	0.174581	0.305011	0.450619	0.247646	0.588438	0.709715	renin binding protein [Source:HGNC Symbol;Acc:HGNC:9959]	chrX:15320	NM_00291	XM_01702	.	.	NP_00290	XP_016885	protein_co	ENSG0000	5973	9959
REP15	1.05305	0.445378	0.861482	0.472161	0.47078	0.352304	RAB15 effector protein [Source:HGNC Symbol;Acc:HGNC:33748]	chr12:2784	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	387849	33748
REPIN1	46.1638	48.3205	47.6007	54.948	48.1294	43.2261	replication initiator 1 [Source:HGNC Symbol;Acc:HGNC:17922]	chr7:15006	NM_00109	XM_01701	.	.	NP_00109	XP_005250	protein_co	ENSG0000	29803	17922
REPS1	19.7074	17.0754	16.3015	19.2963	19.8668	17.4107	RALBP1 associated Eps domain containing 1 [Source:HGNC Symb	chr6:13911	NM_00112	XM_01701	.	.	NP_00112	XP_005267	protein_co	ENSG0000	85021	15578
REPS2	1.03298	1.27427	1.48131	0.901061	1.1047	1.38715	RALBP1 associated Eps domain containing 2 [Source:HGNC Symb	chrX:16964	NM_00108	XM_01154	.	.	NP_00107	XP_005274	protein_co	ENSG0000	9185	9963
RER1	87.9607	86.4628	66.1605	81.14	70.9606	71.0841	retention in endoplasmic reticulum sorting receptor 1 [Source:HG	chr1:23232	NM_00703	XM_01700	.	.	NP_00896	XP_005244	protein_co	ENSG0000	11079	30309
RERE	8.03145	7.66391	8.23876	7.49351	7.44751	8.98912	arginine-glutamic acid dipeptide repeats [Source:HGNC Symbol;A	chr1:84124	NM_00104	XM_01700	.	.	NP_00103	XP_005263	protein_co	ENSG0000	473	9965
RERG	0.773015	0.580443	0.771622	1.69843	1.36926	0.914684	RAS like estrogen regulated growth inhibitor [Source:HGNC Symb	chr12:1526	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	85004	15980
RERGL	0.082815	0	0	0	0	0	RERG like [Source:HGNC Symbol;Acc:HGNC:26213]	chr12:1823	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	79785	26213
RESP18	0	0	0	0	0	0.115771	regulated endocrine specific protein 18 [Source:HGNC Symbol;Ac	chr2:22019	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	389075	33762
REST	9.16419	9.29543	9.9136	8.04021	10.0426	12.0857	RE1 silencing transcription factor [Source:HGNC Symbol;Acc:HGN	chr4:57774	NM_00119	XM_01153	.	.	NP_00118	XP_011532	protein_co	ENSG0000	5978	9966
RET	1.88819	1.85332	2.62063	1.61347	2.12745	2.00533	ret proto-oncogene [Source:HGNC Symbol;Acc:HGNC:9967]	chr10:4357	NM_02063	XM_01154	.	.	NP_06568	XP_011538	protein_co	ENSG0000	5979	9967
RETN	0	0	0	0	0	0	resistin [Source:HGNC Symbol;Acc:HGNC:20389]	chr19:7733	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	56729	20389
RETNLB	0	0	0	0	0	0	resistin like beta [Source:HGNC Symbol;Acc:HGNC:20388]	chr3:10847	NM_03257	.	.	.	NP_11596	.	protein_co	ENSG0000	84666	20388
RETSAT	29.2411	30.7614	33.8426	28.6932	29.1417	30.3143	retinol saturase [Source:HGNC Symbol;Acc:HGNC:25991]	chr2:85569	NM_01775	.	.	.	NP_06022	.	protein_co	ENSG0000	54884	25991
REV1	7.86605	7.80033	8.86219	7.10858	7.66311	7.48181	REV1, DNA directed polymerase [Source:HGNC Symbol;Acc:HGN	chr2:99953	NM_00103	XM_01151	.	.	NP_00103	XP_016859	protein_co	ENSG0000	51455	14060
REV3L	5.80912	6.19307	5.65346	3.83157	5.63469	6.44405	REV3 like, DNA directed polymerase zeta catalytic subunit [Sourc	chr6:11162	NM_00128	XM_01153	.	.	NP_00127	XP_006715	protein_co	ENSG0000	5980	9968

REXO1	13.4349	12.9662	11.7016	13.937	13.2946	13.0526	RNA exonuclease 1 homolog [Source:HGNC Symbol;Acc:HGNC:24	chr19:1815	NM_02069	XM_01152	NR_03173(	.		NP_06574(	XP_01152(	protein_co	ENSG0000(	10030221(	24616
REXO1L1	0	0	0	0	0.011765	0	REX1, RNA exonuclease 1 homolog-like 1, pseudogene [Source:H(	chr8:86568	.	.	.	XR_92913	.	.	transcribed	ENSG0000(	254958	24660
REXO1L10P	0	0	0	0	0	0	REX1, RNA exonuclease 1 homolog-like 10, pseudogene [Source:H	chr8:8675(	.	.	.	.	.	.	processed_	ENSG0000(	.	44433
REXO1L11P	0	0	0	0	0	0	REX1, RNA exonuclease 1 homolog-like 11, pseudogene [Source:H	chr8:86747	.	.	.	.	.	.	processed_	ENSG0000(	.	44434
REXO2	61.3592	54.2705	56.2876	52.6046	54.1269	42.9744	RNA exonuclease 2 [Source:HGNC Symbol;Acc:HGNC:17851]	chr11:1143	NM_01552	.	.	.	NP_05633	.	protein_co	ENSG0000(	25996	17851
REXO4	19.136	20.7472	19.4765	19.4371	17.7884	13.0501	REX4 homolog, 3'-5' exonuclease [Source:HGNC Symbol;Acc:HGN	chr9:13624	NM_00127	.	.	.	NP_00126(	.	protein_co	ENSG0000(	57109	12820
RFC1	23.7451	24.3231	23.6035	25.1578	26.9744	25.6781	replication factor C subunit 1 [Source:HGNC Symbol;Acc:HGNC:99	chr4:39289	NM_0012(	XM_01151	.	.	NP_00119	XP_011512	protein_co	ENSG0000(	5981	9969
RFC2	41.6769	41.1359	34.9967	54.6991	43.2392	41.4201	replication factor C subunit 2 [Source:HGNC Symbol;Acc:HGNC:99	chr7:73645	NM_00127	XM_00671	.	.	NP_00126	XP_006716	protein_co	ENSG0000(	5982	9970
RFC3	26.825	26.2193	22.1618	27.6716	29.4018	22.2258	replication factor C subunit 3 [Source:HGNC Symbol;Acc:HGNC:99	chr13:3439	NM_00291	.	.	.	NP_00290(	XP_011533	protein_co	ENSG0000(	5983	9971
RFC4	52.4588	46.9648	42.3733	45.5751	48.014	43.9946	replication factor C subunit 4 [Source:HGNC Symbol;Acc:HGNC:99	chr3:1865(	NM_00291	.	.	.	NP_00290	.	protein_co	ENSG0000(	5984	9972
RFC5	44.5094	47.5069	49.8602	58.7521	52.0718	49.9985	replication factor C subunit 5 [Source:HGNC Symbol;Acc:HGNC:99	chr12:1184	NM_00113	XM_01153	.	.	NP_00112	XP_011536	protein_co	ENSG0000(	5985	9973
RFESD	2.61532	2.15687	2.21569	0.874634	2.03688	1.52592	Rieske Fe-S domain containing [Source:HGNC Symbol;Acc:HGNC:2	chr5:94982	NM_00113	XM_01700	.	.	NP_00112	XP_011541	protein_co	ENSG0000(	317671	29587
RFFL	11.41	12.2853	11.7536	10.3563	10.6222	13.0582	ring finger and FYVE-like domain containing E3 ubiquitin protein l	chr17:333(	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000(	117584	24821
RFK	18.4251	21.1137	16.4357	21.7041	19.0258	20.0001	riboflavin kinase [Source:HGNC Symbol;Acc:HGNC:30324]	chr9:7900(	NM_01833	.	.	.	NP_06080	.	protein_co	ENSG0000(	55312	30324
RFNG	25.7641	24.8063	30.8403	25.4471	17.5583	16.1315	RFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase [	chr17:800(	NM_00291	XM_01152	.	.	NP_00290	XP_011521	protein_co	ENSG0000(	5986	9974
RFPL1	0	0	0	0.113932	0	0	ret finger protein like 1 [Source:HGNC Symbol;Acc:HGNC:9977]	chr22:2983	NM_02102	XM_01153	.	.	NP_06630(	XP_011528	protein_co	ENSG0000(	5988	9977
RFPL2	0.418481	0.46834	0.361644	1.51536	0.590748	0.39403	ret finger protein like 2 [Source:HGNC Symbol;Acc:HGNC:9979]	chr22:3258	NM_00109	XM_01152	.	.	NP_00109	XP_011528	protein_co	ENSG0000(	10739	9979
RFPL3	0.126733	0.065311	0	0	0	0.065442	ret finger protein like 3 [Source:HGNC Symbol;Acc:HGNC:9980]	chr22:3275	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000(	10738	9980
RFPL3S	0.17419	0.508337	0.191093	0.234071	0.23673	0.217495	RFPL3 antisense [Source:HGNC Symbol;Acc:HGNC:9981]	chr22:3275	.	.	.	.	.	.	protein_co	ENSG0000(	.	9981
RFPL4A	0.130721	0.134411	0	0.071948	0	0	ret finger protein like 4A [Source:HGNC Symbol;Acc:HGNC:16449	chr19:5627	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000(	342931	16449
RFPL4AL1	0	0	0	0	0	0	ret finger protein like 4A like 1 [Source:HGNC Symbol;Acc:HGNC:4	chr19:5628	NM_00127	XM_01152	.	.	NP_00126	XP_011525	protein_co	ENSG0000(	729974	45147
RFPL4B	0	0	0	0.048492	0	0	ret finger protein like 4B [Source:HGNC Symbol;Acc:HGNC:33264	chr6:11242	NM_00101	.	.	.	NP_00101	XP_016866	protein_co	ENSG0000(	442247	33264
RFT1	21.8359	21.5703	17.0861	24.8975	24.8665	19.6596	RFT1 homolog [Source:HGNC Symbol;Acc:HGNC:30220]	chr3:53122	NM_05285	.	.	.	NP_44309	.	protein_co	ENSG0000(	91869	30220
RFTN1	4.37917	4.48089	5.03614	2.12465	2.06582	2.07789	raftlin, lipid raft linker 1 [Source:HGNC Symbol;Acc:HGNC:30278]	chr3:1630(	NM_01515	XM_01153	.	.	NP_05596	XP_005265	protein_co	ENSG0000(	23180	30278
RFTN2	0	0	0	0.017701	0.0339	0	raftlin family member 2 [Source:HGNC Symbol;Acc:HGNC:26402]	chr2:19843	NM_14462	XM_01151	.	.	NP_65323(	XP_011508	protein_co	ENSG0000(	130132	26402
RFWD2	11.4648	10.9864	10.9332	12.3688	14.5343	13.7498	ring finger and WD repeat domain 2 [Source:HGNC Symbol;Acc:H	chr1:17591	NM_0010(	XM_01150	.	.	NP_00100	XP_005245	protein_co	ENSG0000(	64326	17440
RFWD3	30.2497	30.284	27.7888	39.6455	43.8104	35.7852	ring finger and WD repeat domain 3 [Source:HGNC Symbol;Acc:H	chr16:7465	NM_01812	XM_01702	.	.	NP_06059	XP_005256	protein_co	ENSG0000(	55159	25539
RFX1	3.64385	3.8132	3.06419	3.02696	3.34642	2.94955	regulatory factor X1 [Source:HGNC Symbol;Acc:HGNC:9982]	chr19:1407	NM_00291	XM_01152	.	.	NP_00290	XP_011526	protein_co	ENSG0000(	5989	9982
RFX2	3.38469	3.34517	3.72766	3.43453	3.10104	4.14879	regulatory factor X2 [Source:HGNC Symbol;Acc:HGNC:9983]	chr19:5993	NM_00063	XM_01702	.	.	NP_00062(	XP_011526	protein_co	ENSG0000(	5990	9983
RFX3	1.95083	1.86614	2.28154	1.42251	1.67873	2.6072	regulatory factor X3 [Source:HGNC Symbol;Acc:HGNC:9984]	chr9:32182	NM_00128	XM_01701	.	.	NP_00126	XP_006716	protein_co	ENSG0000(	5991	9984
RFX4	0	0	0	0	0	0	regulatory factor X4 [Source:HGNC Symbol;Acc:HGNC:9985]	chr12:1069	NM_0012(	.	.	.	NP_00119	.	protein_co	ENSG0000(	5992	9985
RFX5	19.4269	19.3554	27.9302	17.0889	16.9575	18.4506	regulatory factor X5 [Source:HGNC Symbol;Acc:HGNC:9986]	chr1:15131	NM_00044	XM_01150	.	.	NP_00044(	XP_005245	protein_co	ENSG0000(	5993	9986
RFX6	0	0	0	0	0	0	regulatory factor X6 [Source:HGNC Symbol;Acc:HGNC:21478]	chr6:11719	NM_17356	XM_01153	.	.	NP_77583	XP_011533	protein_co	ENSG0000(	222546	21478
RFX7	3.11257	3.80107	4.65782	3.13021	3.54909	3.9356	regulatory factor X7 [Source:HGNC Symbol;Acc:HGNC:25777]	chr15:5637	NM_02284	XM_01152	.	.	NP_07375	XP_005254	protein_co	ENSG0000(	64864	25777
RFX8	0	0	0	0	0	0	RFX family member 8, lacking RFX DNA binding domain [Source:H	chr2:10201	NM_00114	XM_01700	.	.	NP_00113	XP_01151(	protein_co	ENSG0000(	731220	37253
RFXANK	27.3191	29.5871	27.4098	35.3852	24.3424	22.0191	regulatory factor X associated ankyrin containing protein [Source	chr19:1925	NM_00127	XM_01702	.	.	NP_00126	XP_00526(	protein_co	ENSG0000(	8625	9987
RFXAP	2.60884	2.68553	2.64412	2.44446	2.46854	2.67428	regulatory factor X associated protein [Source:HGNC Symbol;Acc:	chr13:3739	NM_00053	.	.	.	NP_00052	.	protein_co	ENSG0000(	5994	9988
RGAG1	0.047669	0.049367	0.102879	0.078501	0.094548	0.112122	retrotransposon gag domain containing 1 [Source:HGNC Symbol;	chrX:10943	NM_02076	XM_01702	.	.	NP_06582(	XP_011529	protein_co	ENSG0000(	57529	29245
RGAG4	1.37158	1.4532	2.27347	1.52938	1.61761	1.69064	retrotransposon gag domain containing 4 [Source:HGNC Symbol;	chrX:7113(	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000(	340526	29430
RGCC	3.34328	3.11213	5.4905	5.64751	4.33823	3.58274	regulator of cell cycle [Source:HGNC Symbol;Acc:HGNC:20369]	chr13:4203	NM_01405	.	.	.	NP_05477	.	protein_co	ENSG0000(	28984	20369
RGL1	1.02335	1.19286	1.09418	1.32021	1.5791	1.37902	ral guanine nucleotide dissociation stimulator like 1 [Source:HGN	chr1:1836(	NM_00129	XM_01150	.	.	NP_00128	XP_011507	protein_co	ENSG0000(	23179	30281
RGL2	11.8828	12.2082	14.8052	10.3531	9.34558	10.4495	ral guanine nucleotide dissociation stimulator like 2 [Source:HGN	chr6:3324(	NM_00124	XM_01151	.	XR_926294	NP_00123(	XP_011513	protein_co	ENSG0000(	5863	9769
RGL3	9.76073	9.81595	12.8054	8.08556	7.38809	9.58418	ral guanine nucleotide dissociation stimulator like 3 [Source:HGN	chr19:115(	NM_00103	.	.	.	NP_00103(	.	protein_co	ENSG0000(	57139	30282
RGL4	0.050368	0	0.021867	0	0	0	ral guanine nucleotide dissociation stimulator like 4 [Source:HGN	chr22:2403	NM_15361	XM_01153	.	.	NP_00131(	XP_011528	protein_co	ENSG0000(	266747	31911
RGMA	2.52001	3.27706	3.12483	5.15679	5.17012	4.46844	repulsive guidance molecule family member a [Source:HGNC Sym	chr15:9357	NM_0011(	.	.	.	NP_00115	.	protein_co	ENSG0000(	56963	30308
RGMB	7.49204	8.37691	8.28282	6.90622	7.2922	8.74351	repulsive guidance molecule family member b [Source:HGNC Sym	chr5:98104	NM_00101	XM_01154	.	.	NP_00101	XP_005272	protein_co	ENSG0000(	285704	26896
RGN	0	0	0	0.060769	0	0	regucalcin [Source:HGNC Symbol;Acc:HGNC:9989]	chrX:46937	NM_00128	XM_00672	.	.	NP_00126	XP_006724	protein_co	ENSG0000(	9104	9989
RGP1	13.3339	13.4552	15.2458	11.7361	12.3133	15.0284	RGP1 homolog, RAB6A GEF complex partner 1 [Source:HGNC Sym	chr9:35749	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000(	9827	21965
RGPD1	0	0	0	0	0.02746	0	RANBP2-like and GRIP domain containing 1 [Source:HGNC Symbo	chr2:87135	NM_00102	XM_01153	.	.	NP_00101	XP_011531	protein_co	ENSG0000(	400966	32414
RGPD2	0.009798	0	0.008549	0	0.021723	0	RANBP2-like and GRIP domain containing 2 [Source:HGNC Symbo	chr2:88047	NM_00107	XM_01153	.	.	NP_00107	XP_01686(	protein_co	ENSG0000(	729857	32415
RGPD3	0.062516	0.161228	0.130962	0.028633	0.055309	0.121632	RANBP2-like and GRIP domain containing 3 [Source:HGNC Symbo	chr2:1070(	NM_00114	XM_01700	.	.	NP_00113	XP_01686(	protein_co	ENSG0000(	653489	32416
RGPD4	0	0	0.043989	0.014397	0	0.036821	RANBP2-like and GRIP domain containing 4 [Source:HGNC Symbo	chr2:10844	NM_18258	XM_01151	.	.	NP_87239	XP_011509	protein_co	ENSG0000(	285190	32417
RGPD5	0.010426	0.011225	0.02326	0.029698	0	0.052226	RANBP2-like and GRIP domain containing 5 [Source:HGNC Symbo	chr2:11055	NM_00505	XM_01700	.	.	NP_00504	XP_006712	protein_co	ENSG0000(	729540	32418
RGPD6	0	0	0	0	0.034728	0	RANBP2-like and GRIP domain containing 6 [Source:HGNC Symbo	chr2:11127	NM_00103	XM_01151	.	.	NP_00103	XP_01151(	protein_co	ENSG0000(	729540	32419
RGPD8	0.796535	0.702223	0.78073	0.720771	0.712205	0.795737	RANBP2-like and GRIP domain containing 8 [Source:HGNC Symbo	chr2:11312	NM_00116	XM_01700	.	.	NP_00115	XP_005263	protein_co	ENSG0000(	729540	9849
RGR	0	0	0	0	0	0	retinal G protein coupled receptor [Source:HGNC Symbol;Acc:HG	chr10:860(	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000(	5995	9990
RGS1	0	0	0	0	0	0	regulator of G-protein signaling 1 [Source:HGNC Symbol;Acc:HGN	chr1:19254	NM_00292	.	.	.	NP_00291	.	protein_co	ENSG0000(	5996	9991
RGS10	64.2652	59.7857	69.1031	67.8133	59.6904	67.3944	regulator of G-protein signaling 10 [Source:HGNC Symbol;Acc:HG	chr10:1212	NM_0010(	.	.	.	NP_00100	.	protein_co	ENSG0000(	6001	9992
RGS11	0	0	0.029399	0	0	0	regulator of G-protein signaling 11 [Source:HGNC Symbol;Acc:HG	chr16:2845	NM_00128	XM_01152	.	.	NP_00127	XP_011521	protein_co	ENSG0000(	8786	9993

RGS12	3.74756	4.23162	3.96286	4.11343	4.40084	3.96371	regulator of G-protein signaling 12 [Source:HGNC Symbol;Acc:HG	chr4:33158	NM_00292	XM_01151	.	.	NP_00291	XP_006713	protein_co	ENSG0000	6002	9994
RGS13	0	0	0	0	0	0	regulator of G-protein signaling 13 [Source:HGNC Symbol;Acc:HG	chr1:19260	NM_00292	.	.	.	NP_00291	.	protein_co	ENSG0000	6003	9995
RGS14	5.05101	5.05859	5.39841	6.82473	5.72365	4.06334	regulator of G-protein signaling 14 [Source:HGNC Symbol;Acc:HG	chr5:17678	NM_00648	XM_00526	.	.	NP_00647	XP_005265	protein_co	ENSG0000	10636	9996
RGS16	4.92657	5.64083	5.4732	5.75891	5.63765	5.82076	regulator of G-protein signaling 16 [Source:HGNC Symbol;Acc:HG	chr1:18256	NM_00292	.	.	.	NP_00291	.	protein_co	ENSG0000	6004	9997
RGS17	1.3306	1.24851	1.70818	1.07388	1.0116	1.4078	regulator of G-protein signaling 17 [Source:HGNC Symbol;Acc:HG	chr6:15332	NM_01241	XM_01153	.	.	NP_03655	XP_011534	protein_co	ENSG0000	26575	14088
RGS18	0	0	0	0	0	0	regulator of G-protein signaling 18 [Source:HGNC Symbol;Acc:HG	chr1:19212	NM_13078	.	.	.	NP_57013	.	protein_co	ENSG0000	64407	14261
RGS19	16.141	14.7798	14.417	15.1943	14.0671	9.93819	regulator of G-protein signaling 19 [Source:HGNC Symbol;Acc:HG	chr20:6270	NM_00103	XM_01152	.	.	NP_00103	XP_011526	protein_co	ENSG0000	10287	13735
RGS2	10.9122	10.4968	15.4792	9.13907	11.0754	9.39979	regulator of G-protein signaling 2 [Source:HGNC Symbol;Acc:HGN	chr1:19277	NM_00292	.	.	.	NP_00291	.	protein_co	ENSG0000	5997	9998
RGS20	2.56441	2.11509	3.24229	3.20079	3.49356	2.90063	regulator of G-protein signaling 20 [Source:HGNC Symbol;Acc:HG	chr8:54764	NM_00128	.	NR_10457	.	NP_00127	XP_011515	protein_co	ENSG0000	8601	14600
RGS21	0	0	0	0	0	0	regulator of G-protein signaling 21 [Source:HGNC Symbol;Acc:HG	chr1:19228	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	431704	26839
RGS22	0	0	0	0	0	0	regulator of G-protein signaling 22 [Source:HGNC Symbol;Acc:HG	chr8:10097	NM_00128	XM_01151	.	.	NP_00127	XP_005250	protein_co	ENSG0000	26166	24499
RGS3	10.4256	10.0157	8.81495	13.3323	12.1979	11.705	regulator of G-protein signaling 3 [Source:HGNC Symbol;Acc:HGN	chr9:11620	NM_00127	XM_01701	.	.	NP_00126	XP_006717	protein_co	ENSG0000	5998	9999
RGS4	0.426127	0.382404	0.183947	0.115187	0.169947	0.272029	regulator of G-protein signaling 4 [Source:HGNC Symbol;Acc:HGN	chr1:16303	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	5999	10000
RGS5	0.97546	0.827103	1.17057	1.47078	1.86153	0.954912	regulator of G-protein signaling 5 [Source:HGNC Symbol;Acc:HGN	chr1:16311	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	8490	10001
RGS6	0.510803	0.702663	1.83424	0.869393	0.321841	0.904801	regulator of G-protein signaling 6 [Source:HGNC Symbol;Acc:HGN	chr14:7239	NM_00120	XM_01702	.	.	NP_00119	XP_005268	protein_co	ENSG0000	9628	10002
RGS7	0	0	0.025547	0	0	0	regulator of G-protein signaling 7 [Source:HGNC Symbol;Acc:HGN	chr1:24093	NM_00128	XM_01154	.	.	NP_00126	XP_005273	protein_co	ENSG0000	6000	10003
RGS7BP	0	0	0	0	0	0	regulator of G-protein signaling 7 binding protein [Source:HGNC S	chr5:63802	NM_00102	XM_00524	.	.	NP_00102	XP_005248	protein_co	ENSG0000	401190	23271
RGS8	0	0	0	0	0	0	regulator of G-protein signaling 8 [Source:HGNC Symbol;Acc:HGN	chr1:18261	NM_00110	XM_01700	.	.	NP_00109	XP_005245	protein_co	ENSG0000	85397	16810
RGS9	0.866215	1.03253	1.08697	1.20255	0.899857	1.6576	regulator of G-protein signaling 9 [Source:HGNC Symbol;Acc:HGN	chr17:6309	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	8787	10004
RGS9BP	0.190007	0.555526	0.616824	0.491749	0.488422	0.540419	regulator of G-protein signaling 9 binding protein [Source:HGNC S	chr19:3316	NM_20739	.	.	.	NP_99727	.	protein_co	ENSG0000	388531	30304
RGSL1	0	0	0	0	0	0	regulator of G-protein signaling like 1 [Source:HGNC Symbol;Acc:	chr1:18241	NM_00113	XM_01150	.	.	NP_00113	XP_005245	protein_co	ENSG0000	353299	18636
RHAG	0	0.090824	0.074246	0.048469	0.047658	0.084905	Rh-associated glycoprotein [Source:HGNC Symbol;Acc:HGNC:100	chr6:49572	NM_00032	.	.	.	NP_00031	.	protein_co	ENSG0000	6005	10006
RHBDD1	12.4059	13.0739	12.1014	10.7568	11.3481	16.6186	rhomboid domain containing 1 [Source:HGNC Symbol;Acc:HGNC:	chr2:22770	NM_00116	XM_01700	.	.	NP_00116	XP_016860	protein_co	ENSG0000	84236	23081
RHBDD2	37.9546	34.901	31.7504	37.6024	31.7987	39.6931	rhomboid domain containing 2 [Source:HGNC Symbol;Acc:HGNC:	chr7:75508	NM_00104	XM_00525	.	.	NP_00103	XP_005250	protein_co	ENSG0000	57414	23082
RHBDD3	13.9816	14.6076	9.36492	14.6552	11.6301	7.99517	rhomboid domain containing 3 [Source:HGNC Symbol;Acc:HGNC:	chr22:2965	NM_01226	XM_01153	.	.	NP_00131	XP_006724	protein_co	ENSG0000	25807	1308
RHBDF1	4.48764	3.79217	6.44181	3.52984	3.3422	4.5792	rhomboid 5 homolog 1 [Source:HGNC Symbol;Acc:HGNC:20561]	chr16:1080	NM_02245	XM_01702	.	.	NP_07189	XP_005255	protein_co	ENSG0000	64285	20561
RHBDF2	15.8312	17.0007	18.6475	14.2654	13.8731	13.8897	rhomboid 5 homolog 2 [Source:HGNC Symbol;Acc:HGNC:20788]	chr17:7446	NM_00100	XM_01152	.	.	NP_00100	XP_005257	protein_co	ENSG0000	79651	20788
RHBDL1	2.51302	3.27518	4.77176	3.64619	2.1723	4.47681	rhomboid like 1 [Source:HGNC Symbol;Acc:HGNC:10007]	chr16:7256	NM_00127	XM_01152	.	.	NP_00126	XP_005255	protein_co	ENSG0000	9028	10007
RHBDL2	0	0	0.032773	0	0	0	rhomboid like 2 [Source:HGNC Symbol;Acc:HGNC:16083]	chr1:39351	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	54933	16083
RHBDL3	2.08621	2.11239	2.98612	2.01614	1.85007	2.31656	rhomboid like 3 [Source:HGNC Symbol;Acc:HGNC:16502]	chr17:3059	NM_13832	XM_01152	.	.	NP_61220	XP_006721	protein_co	ENSG0000	162494	16502
RHBG	1.97078	1.82013	2.28202	2.22246	3.11405	2.55441	Rh family B glycoprotein (gene/pseudogene) [Source:HGNC Symb	chr1:15633	NM_00125	XM_01150	.	.	NP_00124	XP_016857	protein_co	ENSG0000	57127	14572
RHCE	0.202617	0.342827	0.519398	0.111178	0.076982	0.501557	Rh blood group CcEe antigens [Source:HGNC Symbol;Acc:HGNC:1	chr1:25664	NM_02048	XM_01154	.	.	NP_06523	XP_005246	protein_co	ENSG0000	6006	10008
RHCG	0	0	0	0	0	0.040817	Rh family C glycoprotein [Source:HGNC Symbol;Acc:HGNC:18140	chr15:9001	NM_00132	XM_01152	.	.	NP_00130	XP_011519	protein_co	ENSG0000	51458	18140
RHD	0	0.062183	0.104383	0	0	0	Rh blood group D antigen [Source:HGNC Symbol;Acc:HGNC:1000	chr1:25598	NM_00112	.	.	.	NP_00112	XP_016857	protein_co	ENSG0000	6007	10009
RHEB	69.6199	63.4532	57.4329	78.3796	86.51	84.5759	Ras homolog enriched in brain [Source:HGNC Symbol;Acc:HGNC:	chr7:15116	NM_00561	XM_01151	.	.	NP_00560	XP_011514	protein_co	ENSG0000	6009	10011
RHEBL1	3.7308	3.46154	1.45609	3.80208	3.00664	4.47388	Ras homolog enriched in brain like 1 [Source:HGNC Symbol;Acc:H	chr12:4945	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	121268	21166
RHNO1	17.9304	19.0131	17.6799	28.4178	24.5204	25.4122	RAD9-HUS1-RAD1 interacting nuclear orphan 1 [Source:HGNC Sy	chr12:2986	NM_00125	.	NR_02736	.	NP_00123	.	protein_co	ENSG0000	83695	28206
RHO	0	0.030786	0	0	0	0.031971	rhodopsin [Source:HGNC Symbol;Acc:HGNC:10012]	chr3:12924	NM_00053	.	.	.	NP_00053	.	protein_co	ENSG0000	6010	10012
RHOA	354.165	369.453	324.179	421.568	363.834	368.312	ras homolog family member A [Source:HGNC Symbol;Acc:HGNC:6	chr3:49396	NM_00166	XM_01153	.	.	NP_00130	XP_011531	protein_co	ENSG0000	387	667
RHOB	80.7446	82.8024	73.3984	52.813	50.9236	70.4553	ras homolog family member B [Source:HGNC Symbol;Acc:HGNC:6	chr2:20646	NM_00404	.	.	.	NP_00403	.	protein_co	ENSG0000	388	668
RHOBTB1	1.41048	1.1421	1.6406	1.34907	1.00011	1.39843	Rho related BTB domain containing 1 [Source:HGNC Symbol;Acc:	chr10:6262	NM_00124	XM_01701	.	.	NP_00122	XP_006718	protein_co	ENSG0000	9886	18738
RHOBTB2	3.17366	3.17694	4.25363	3.52844	3.4194	3.65136	Rho related BTB domain containing 2 [Source:HGNC Symbol;Acc:	chr8:22844	NM_00116	XM_01154	.	.	NP_00115	XP_006716	protein_co	ENSG0000	23221	18756
RHOBTB3	20.6	21.0214	28.389	23.7774	27.5899	47.6509	Rho related BTB domain containing 3 [Source:HGNC Symbol;Acc:	chr5:95066	NM_01489	XM_01154	.	.	NP_05571	XP_011541	protein_co	ENSG0000	22836	18757
RHOC	154.361	140.949	157.466	165.243	126.87	153.024	ras homolog family member C [Source:HGNC Symbol;Acc:HGNC:6	chr1:11324	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	389	669
RHOD	41.7813	39.3849	37.568	45.1596	34.8131	28.1658	ras homolog family member D [Source:HGNC Symbol;Acc:HGNC:6	chr11:6682	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	29984	670
RHOF	36.1161	35.2237	33.5777	31.4541	27.2319	30.2565	ras homolog family member F, filopodia associated [Source:HGN	chr12:1221	NM_01903	.	.	.	NP_06190	.	protein_co	ENSG0000	54509	15703
RHOG	37.4221	38.8494	33.4008	38.9852	31.5541	25.8384	ras homolog family member G [Source:HGNC Symbol;Acc:HGNC:6	chr11:3848	NM_00166	XM_01701	.	.	NP_00165	XP_005252	protein_co	ENSG0000	391	672
RHOH	0.042198	0	0.036674	0.153296	0.144414	0	ras homolog family member H [Source:HGNC Symbol;Acc:HGNC:6	chr4:40192	NM_00127	XM_01151	.	.	NP_00126	XP_011511	protein_co	ENSG0000	399	686
RHOJ	0	0	0	0	0	0	ras homolog family member J [Source:HGNC Symbol;Acc:HGNC:6	chr14:6367	NM_02066	.	.	.	NP_06571	XP_006720	protein_co	ENSG0000	57381	688
RHOQ	15.58	17.7445	17.4655	11.5146	18.4437	24.9808	ras homolog family member Q [Source:HGNC Symbol;Acc:HGNC:	chr2:46769	NM_01224	XM_01153	.	.	NP_03638	XP_011531	protein_co	ENSG0000	23433	17736
RHOT1	13.6612	12.3005	15.852	11.4299	16.2778	20.5916	ras homolog family member T1 [Source:HGNC Symbol;Acc:HGNC	chr17:3046	NM_00103	XM_01702	.	.	NP_00102	XP_011523	protein_co	ENSG0000	55288	21168
RHOT2	22.0821	22.4579	24.9079	25.4654	22.5467	16.8605	ras homolog family member T2 [Source:HGNC Symbol;Acc:HGNC	chr16:7180	NM_13876	XM_01702	.	.	NP_62012	XP_005255	protein_co	ENSG0000	89941	21169
RHOU	1.34841	2.02391	2.60716	4.20939	4.88749	5.79612	ras homolog family member U [Source:HGNC Symbol;Acc:HGNC:	chr1:22887	NM_02120	.	.	.	NP_06702	.	protein_co	ENSG0000	58480	17794
RHOV	6.79949	7.25661	7.01396	5.22291	4.48586	4.93722	ras homolog family member V [Source:HGNC Symbol;Acc:HGNC:1	chr15:4116	NM_13363	.	.	.	NP_59837	.	protein_co	ENSG0000	171177	18313
RHOXF1	0	0.111876	0.097782	0.122402	0	0	Rhox homeobox family member 1 [Source:HGNC Symbol;Acc:HG	chrX:11924	NM_13928	XM_01153	.	.	NP_64481	XP_011529	protein_co	ENSG0000	158800	29993
RHOXF2	0	0	0	0	0	0	Rhox homeobox family member 2 [Source:HGNC Symbol;Acc:HG	chrX:11929	NM_03249	.	.	.	NP_11588	.	protein_co	ENSG0000	84528	30011
RHOXF2B	0	0	0	0	0	0	Rhox homeobox family member 2B [Source:HGNC Symbol;Acc:H	chrX:11920	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	727940	33519
RHPN1	11.1804	8.83854	13.6251	10.6586	8.46007	9.08996	rhophilin Rho GTPase binding protein 1 [Source:HGNC Symbol;Ac	chr8:14445	NM_05292	XM_01151	.	.	NP_44315	XP_005250	protein_co	ENSG0000	114822	19973
RHPN2	13.3784	13.9141	14.1593	15.6494	15.9787	14.7037	rhophilin Rho GTPase binding protein 2 [Source:HGNC Symbol;Ac	chr19:3346	NM_03310	.	.	.	NP_14909	.	protein_co	ENSG0000	85415	19974

RIBC1	0.347509	0.229643	0.336318	0.247568	0.154456	0.323919	RIB43A domain with coiled-coils 1 [Source:HGNC Symbol;Acc:HGI	chrX:53449	NM_00103	XM_00526	.	.	NP_00102(	XP_005262	protein_co	ENSG0000(	158787	26537
RIBC2	3.32997	3.27	2.95525	2.93821	2.22424	2.34435	RIB43A domain with coiled-coils 2 [Source:HGNC Symbol;Acc:HGI	chr22:4580	NM_01565	.	.	.	NP_05646	.	protein_co	ENSG0000(	26150	13241
RIC1	7.94632	8.25054	9.46784	7.09207	7.94184	7.8866	RIC1 homolog, RAB6A GEF complex partner 1 [Source:HGNC Sym	chr9:56290	NM_00113	XM_00525	.	.	NP_00112	XP_005251	protein_co	ENSG0000(	57589	17686
RIC3	0.022348	0	0	0	0	0	RIC3 acetylcholine receptor chaperone [Source:HGNC Symbol;Acc	chr11:8040	NM_00113	XM_00671	.	.	NP_00112	XP_006718	protein_co	ENSG0000(	79608	30338
RIC8A	24.2232	23.7021	21.7167	23.1683	19.8438	16.7822	RIC8 guanine nucleotide exchange factor A [Source:HGNC Symbo	chr11:2075	NM_00128	XM_01152	NR_10680	.	NP_00127	XP_005253	protein_co	ENSG0000(	102465445	29550
RIC8B	7.28702	7.02332	7.64312	6.98639	6.70759	7.20786	RIC8 guanine nucleotide exchange factor B [Source:HGNC Symbo	chr12:1071	NM_01815	XM_01701	.	.	NP_06062	XP_005269	protein_co	ENSG0000(	55188	25555
RICTOR	4.28057	4.29624	4.86478	3.29967	4.67171	5.4252	RPTOR independent companion of MTOR complex 2 [Source:HGN	chr5:38938	NM_00128	XM_01700	.	.	NP_00127	XP_006714	protein_co	ENSG0000(	253260	28611
RIDA	20.9057	21.3371	23.1046	28.6656	29.85	29.3747	reactive intermediate imine deaminase A homolog [Source:HGNC	chr8:99114	NM_00583	.	.	.	NP_00582	.	protein_co	ENSG0000(	10247	16897
RIF1	11.2125	10.9363	9.90265	9.60016	13.4038	12.6547	replication timing regulatory factor 1 [Source:HGNC Symbol;Acc:I	chr2:15226	NM_00117	XM_01151	.	.	NP_00117	XP_005246	protein_co	ENSG0000(	55183	23207
RIIAD1	0.228974	0	0.597463	0.232284	0	0.46274	regulatory subunit of type II PKA R-subunit (RIIa) domain containi	chr1:15167	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000(	284485	26686
RILP	7.71684	8.51834	7.70134	6.70395	5.95557	4.33154	Rab interacting lysosomal protein [Source:HGNC Symbol;Acc:HGN	chr17:1549	NM_03143	XM_00525	.	.	NP_11361	XP_005256	protein_co	ENSG0000(	83547	30266
RILPL1	3.7982	4.20834	4.23183	3.72491	3.27265	4.02714	Rab interacting lysosomal protein like 1 [Source:HGNC Symbol;Ac	chr12:1239	NM_17831	XM_00671	.	.	NP_00130	XP_005253	protein_co	ENSG0000(	353116	26814
RILPL2	2.28188	2.22302	2.98541	2.52561	1.84324	2.10073	Rab interacting lysosomal protein like 2 [Source:HGNC Symbol;Ac	chr12:1238	NM_14505	.	.	.	NP_65949	XP_011536	protein_co	ENSG0000(	196383	28787
RIMBP2	0	0	0	0	0.0213	0.012206	RIMS binding protein 2 [Source:HGNC Symbol;Acc:HGNC:30339]	chr12:1308	NM_01534	XM_01701	.	.	NP_05616	XP_016874	protein_co	ENSG0000(	23504	30339
RIMBP3	0.02637	0.103785	0.090809	0.070489	0.046035	0.029226	RIMS binding protein 3 [Source:HGNC Symbol;Acc:HGNC:29344]	chr22:2045	NM_01567	.	.	.	NP_05648	.	protein_co	ENSG0000(	85376	29344
RIMBP3B	0.013188	0.012976	0.011354	0	0	0.014617	RIMS binding protein 3B [Source:HGNC Symbol;Acc:HGNC:33891	chr22:2173	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000(	440804	33891
RIMBP3C	0.013951	0.014119	0	0	0	0	RIMS binding protein 3C [Source:HGNC Symbol;Acc:HGNC:33892	chr22:2189	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000(	150221	33892
RIMKLA	1.57626	1.81934	2.01111	1.70887	1.73295	1.79352	ribosomal modification protein rimK like family member A [Sourc	chr1:42846	NM_17364	.	.	.	NP_77591	.	protein_co	ENSG0000(	284716	28725
RIMKLB	0.192554	0.143366	0.295521	0.051031	0.081523	0.315237	ribosomal modification protein rimK like family member B [Sourc	chr12:8850	NM_00129	XM_01701	.	.	NP_00128	XP_006719	protein_co	ENSG0000(	57494	29228
RIMS1	0	0	0	0	0	0	regulating synaptic membrane exocytosis 1 [Source:HGNC Symbo	chr6:72596	NM_00116	XM_01153	.	.	NP_00116	XP_005248	protein_co	ENSG0000(	22999	17282
RIMS2	0.82724	0.978327	0.825562	0.18789	0.139917	0.254657	regulating synaptic membrane exocytosis 2 [Source:HGNC Symbo	chr8:10451	NM_00110	XM_00671	.	.	NP_00109	XP_016869	protein_co	ENSG0000(	9699	17283
RIMS3	4.57033	4.05155	6.361	4.01822	4.33678	4.64052	regulating synaptic membrane exocytosis 3 [Source:HGNC Symbo	chr1:41086	NM_01474	XM_01154	.	.	NP_05556	XP_011540	protein_co	ENSG0000(	9783	21292
RIMS4	0.015029	0.015035	0.25351	0.097437	0.10352	0.097372	regulating synaptic membrane exocytosis 4 [Source:HGNC Symbo	chr20:4337	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000(	140730	16183
RIN1	24.9396	23.7861	23.0808	22.5462	21.4766	14.2751	Ras and Rab interactor 1 [Source:HGNC Symbol;Acc:HGNC:18749	chr11:6609	NM_00429	XM_01154	.	.	NP_00428	XP_011543	protein_co	ENSG0000(	9610	18749
RIN2	0.310397	0.435647	0.244751	0.336668	0.166182	0.569952	Ras and Rab interactor 2 [Source:HGNC Symbol;Acc:HGNC:18750	chr20:1986	NM_00124	XM_01702	.	.	NP_00122	XP_005260	protein_co	ENSG0000(	54453	18750
RIN3	7.43877	5.4867	6.53107	5.5618	4.97295	5.06035	Ras and Rab interactor 3 [Source:HGNC Symbol;Acc:HGNC:18751	chr14:9298	NM_02483	XM_01702	.	.	NP_00130	XP_011535	protein_co	ENSG0000(	79890	18751
RING1	26.9386	26.4544	26.1387	27.1629	22.7855	22.1642	ring finger protein 1 [Source:HGNC Symbol;Acc:HGNC:10018]	chr6:33176	NM_00293	.	.	.	NP_00292	.	protein_co	ENSG0000(	6015	10018
RINL	10.4205	11.547	15.4643	16.7549	15.4002	11.9696	Ras and Rab interactor like [Source:HGNC Symbol;Acc:HGNC:247	chr19:3935	NM_00119	XM_01152	.	.	NP_00118	XP_006723	protein_co	ENSG0000(	126432	24795
RINT1	11.6661	10.9883	10.9975	10.2131	11.5654	11.6929	RAD50 interactor 1 [Source:HGNC Symbol;Acc:HGNC:21876]	chr7:10517	NM_02193	XM_01701	.	.	NP_06874	XP_016867	protein_co	ENSG0000(	60561	21876
RIOK1	15.0748	15.4933	15.3324	16.0709	17.6092	14.1268	RIO kinase 1 [Source:HGNC Symbol;Acc:HGNC:18656]	chr6:73268	NM_03148	XM_01151	.	.	NP_11366	XP_005249	protein_co	ENSG0000(	83732	18656
RIOK2	11.5051	11.2849	9.94057	10.2385	11.6656	9.90694	RIO kinase 2 [Source:HGNC Symbol;Acc:HGNC:18999]	chr5:96496	NM_00115	.	.	.	NP_00115	.	protein_co	ENSG0000(	55781	18999
RIOK3	15.2058	14.5463	16.6501	11.9286	12.9424	15.879	RIO kinase 3 [Source:HGNC Symbol;Acc:HGNC:11451]	chr18:2103	NM_00383	XM_01152	.	.	NP_00382	XP_011524	protein_co	ENSG0000(	8780	11451
RIPK1	10.1919	10.344	9.925	9.76344	9.83328	9.02042	receptor interacting serine/threonine kinase 1 [Source:HGNC Syn	chr6:30686	NM_00380	XM_01151	.	.	NP_00379	XP_005249	protein_co	ENSG0000(	8737	10019
RIPK2	14.549	15.228	14.3525	14.7945	13.701	17.3168	receptor interacting serine/threonine kinase 2 [Source:HGNC Syn	chr8:90769	NM_00382	XM_00525	.	.	NP_00381	XP_005251	protein_co	ENSG0000(	8767	10020
RIPK3	0	0	0	0	0	0	receptor interacting serine/threonine kinase 3 [Source:HGNC Syn	chr14:2478	NM_00687	.	.	.	NP_00686	.	protein_co	ENSG0000(	11035	10021
RIPK4	5.05679	5.80854	5.20685	5.7186	6.28429	6.34645	receptor interacting serine/threonine kinase 4 [Source:HGNC Syn	chr21:4315	NM_02063	.	.	.	NP_06569	.	protein_co	ENSG0000(	54101	496
RIPPLY1	0.096951	0	0.085476	0.106891	0.328342	0.064646	ripply transcriptional repressor 1 [Source:HGNC Symbol;Acc:HGN	chrX:10614	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000(	92129	25117
RIPPLY2	0	0	0	0	0	0	ripply transcriptional repressor 2 [Source:HGNC Symbol;Acc:HGN	chr6:84562	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000(	134701	21390
RIPPLY3	0	0	0	0	0.047445	0	ripply transcriptional repressor 3 [Source:HGNC Symbol;Acc:HGN	chr21:3837	NM_01896	.	.	.	NP_06183	.	protein_co	ENSG0000(	53820	3047
RIT1	4.63729	3.49376	4.38163	4.26373	5.34923	4.53694	Ras like without CAAX 1 [Source:HGNC Symbol;Acc:HGNC:10023]	chr1:15586	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000(	6016	10023
RIT2	0	0	0	0	0	0	Ras like without CAAX 2 [Source:HGNC Symbol;Acc:HGNC:10017]	chr18:4032	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000(	6014	10017
RITA1	18.3133	19.6181	19.2295	21.4654	17.4506	11.902	RBPJ interacting and tubulin associated 1 [Source:HGNC Symbol;A	chr12:1136	NM_00128	XM_00525	.	.	NP_00127	XP_005254	protein_co	ENSG0000(	84934	25925
RLBP1	0.03721	0	0.032436	0	0	0	retinaldehyde binding protein 1 [Source:HGNC Symbol;Acc:HGNC	chr15:8975	NM_00032	XM_01152	.	.	NP_00031	XP_011520	protein_co	ENSG0000(	6017	10024
RLF	8.28034	7.56189	8.13685	7.05002	10.369	10.1451	rearranged L-myc fusion [Source:HGNC Symbol;Acc:HGNC:10025	chr1:40627	NM_01242	.	.	.	NP_03655	.	protein_co	ENSG0000(	6018	10025
RLIM	11.9074	12.9928	12.9459	11.9482	14.2917	15.0412	ring finger protein, LIM domain interacting [Source:HGNC Symbo	chrX:73805	NM_01612	.	.	.	NP_05720	.	protein_co	ENSG0000(	51132	13429
RLN1	0	0	0.088217	0.114931	0	0.103148	relaxin 1 [Source:HGNC Symbol;Acc:HGNC:10026]	chr9:53349	NM_00691	.	.	.	NP_00884	.	protein_co	ENSG0000(	6013	10026
RLN2	0	0	0	0	0.080883	0.14643	relaxin 2 [Source:HGNC Symbol;Acc:HGNC:10027]	chr9:52998	NM_13444	.	.	.	NP_60439	.	protein_co	ENSG0000(	6019	10027
RLN3	0	0	0	0	0	0	relaxin 3 [Source:HGNC Symbol;Acc:HGNC:17135]	chr19:1413	NM_08086	.	.	.	NP_00129	.	protein_co	ENSG0000(	117579	17135
RMDN1	26.8464	25.4292	32.542	27.1796	33.3115	33.738	regulator of microtubule dynamics 1 [Source:HGNC Symbol;Acc:H	chr8:87484	NM_00128	XM_01701	.	.	NP_00127	XP_006716	protein_co	ENSG0000(	51115	24285
RMDN2	1.65691	1.58013	1.66792	0.880261	1.71699	1.65484	regulator of microtubule dynamics 2 [Source:HGNC Symbol;Acc:H	chr2:38152	NM_00117	XM_01700	.	.	NP_00116	XP_011530	protein_co	ENSG0000(	151393	26567
RMDN3	15.0422	14.4206	14.0057	14.5955	13.5626	13.0834	regulator of microtubule dynamics 3 [Source:HGNC Symbol;Acc:H	chr15:4102	NM_00130	XM_01152	.	.	NP_00129	XP_005254	protein_co	ENSG0000(	55177	25550
RMI1	14.5803	14.5139	12.7525	13.4873	20.0413	18.1821	RecQ mediated genome instability 1 [Source:HGNC Symbol;Acc:H	chr9:86595	NM_02494	XM_01701	.	.	NP_07922	XP_005252	protein_co	ENSG0000(	80010	25764
RMI2	15.5511	13.7661	15.7492	12.4701	18.0099	16.1402	RecQ mediated genome instability 2 [Source:HGNC Symbol;Acc:H	chr16:1134	NM_15230	.	.	.	NP_68952	.	protein_co	ENSG0000(	116028	28349
RMND1	16.1136	13.9845	14.9259	15.3981	15.5373	13.4083	required for meiotic nuclear division 1 homolog [Source:HGNC Sy	chr6:15172	NM_00127	XM_00526	.	.	NP_00125	XP_005267	protein_co	ENSG0000(	55005	21176
RMND5A	14.671	15.3407	17.6654	12.5572	15.7328	19.2122	required for meiotic nuclear division 5 homolog A [Source:HGNC	chr2:86730	NM_02278	.	.	.	NP_07361	.	protein_co	ENSG0000(	64795	25850
RMND5B	14.7777	13.0041	12.2275	14.3352	12.4215	11.6168	required for meiotic nuclear division 5 homolog B [Source:HGNC	chr5:17755	NM_00128	XM_00526	.	.	NP_00127	XP_005266	protein_co	ENSG0000(	64777	26181
RNASE1	3.72014	3.05546	1.74738	2.79993	4.88411	4.96112	ribonuclease A family member 1, pancreatic [Source:HGNC Symb	chr14:2126	NM_00293	.	.	.	NP_00292	.	protein_co	ENSG0000(	6035	10044
RNASE10	0	0	0	0	0	0	ribonuclease A family member 10 (inactive) [Source:HGNC Symbo	chr14:2097	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000(	338879	19275
RNASE11	0	0	0	0	0	0	ribonuclease A family member 11 (inactive) [Source:HGNC Symbo	chr14:2105	NM_14525	.	.	.	NP_66029	.	protein_co	ENSG0000(	122651	19269

RNASE12	0	0	0	0	0	0	ribonuclease A family member 12 (inactive) [Source:HGNC Symbo	chr14:2105	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	493901	24211
RNASE13	0	0	0.049518	0	0	0	ribonuclease A family member 13 (inactive) [Source:HGNC Symbo	chr14:2148	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	440163	25285
RNASE2	0	0	0	0	0	0	ribonuclease A family member 2 [Source:HGNC Symbol;Acc:HGN	chr14:2142	NM_00293	.	.	.	NP_00292	.	protein_co	ENSG0000	6036	10045
RNASE3	0	0	0	0	0	0	ribonuclease A family member 3 [Source:HGNC Symbol;Acc:HGN	chr14:2135	NM_00293	.	.	.	NP_00292	.	protein_co	ENSG0000	6037	10046
RNASE4	5.14635	3.0975	2.93816	5.07294	3.73776	4.06041	ribonuclease A family member 4 [Source:HGNC Symbol;Acc:HGN	chr14:2115	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	6038	10047
RNASE6	0	0	0	0	0	0.094075	ribonuclease A family member k6 [Source:HGNC Symbol;Acc:HGN	chr14:2124	NM_00561	.	.	.	NP_00560	XP_016877	protein_co	ENSG0000	6039	10048
RNASE7	0.052595	0	0	0	0	0.055106	ribonuclease A family member 7 [Source:HGNC Symbol;Acc:HGN	chr14:2148	NM_03257	.	.	.	NP_11596	.	protein_co	ENSG0000	84659	19278
RNASE8	0	0	0	0	0	0	ribonuclease A family member 8 [Source:HGNC Symbol;Acc:HGN	chr14:2148	NM_13833	.	.	.	NP_61220	.	protein_co	ENSG0000	122665	19277
RNASE9	0	0	0	0	0	0	ribonuclease A family member 9 (inactive) [Source:HGNC Symbol	chr14:2102	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	390443	20673
RNASEH1	20.9668	22.8558	24.2054	21.9503	24.2939	19.3945	ribonuclease H1 [Source:HGNC Symbol;Acc:HGNC:18466]	chr2:35795	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	246243	18466
RNASEH2A	69.3386	61.5764	49.2893	74.4331	55.9357	45.545	ribonuclease H2 subunit A [Source:HGNC Symbol;Acc:HGNC:1851	chr19:1291	NM_00639	XM_00672	.	.	NP_00638	XP_006722	protein_co	ENSG0000	10535	18518
RNASEH2B	15.1228	14.8027	12.9291	13.8617	16.0171	18.0134	ribonuclease H2 subunit B [Source:HGNC Symbol;Acc:HGNC:2567	chr13:5148	NM_00114	XM_01153	.	.	NP_00113	XP_006719	protein_co	ENSG0000	79621	25671
RNASEH2C	12.427	13.3534	11.881	11.5356	11.9416	6.66753	ribonuclease H2 subunit C [Source:HGNC Symbol;Acc:HGNC:2411	chr11:6547	NM_03219	.	.	.	NP_11556	.	protein_co	ENSG0000	84153	24116
RNASEK	146.372	142.183	132.952	162.939	126.665	110.212	ribonuclease K [Source:HGNC Symbol;Acc:HGNC:33911]	chr17:6915	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	440400	33911
RNASEK-C17orf49	1.55035	3.1821	1.82785	2.46404	2.96E-06	1.5616	RNASEK-C17orf49 readthrough [Source:HGNC Symbol;Acc:HGNC:	chr17:6915	.	.	.	.	.	.	protein_co	ENSG0000	.	44419
RNASEL	2.02741	2.23876	1.95052	2.03068	2.17052	2.54485	ribonuclease L [Source:HGNC Symbol;Acc:HGNC:10050]	chr1:18254	NM_02113	XM_00524	.	.	NP_06695	XP_005245	protein_co	ENSG0000	6041	10050
RNASET2	15.1976	15.859	15.22	18.7243	13.7422	16.4133	ribonuclease T2 [Source:HGNC Symbol;Acc:HGNC:21686]	chr6:16682	NM_00373	.	.	.	NP_00372	XP_016866	protein_co	ENSG0000	8635	21686
RND1	2.71551	2.04754	1.65504	2.44259	2.13664	2.18111	Rho family GTPase 1 [Source:HGNC Symbol;Acc:HGNC:18314]	chr12:4925	NM_01447	.	.	.	NP_05528	.	protein_co	ENSG0000	27289	18314
RND2	0.469075	0.390068	0.601835	0.475913	0.316143	0.545953	Rho family GTPase 2 [Source:HGNC Symbol;Acc:HGNC:18315]	chr17:4117	NM_00544	XM_01152	.	.	NP_00543	XP_011523	protein_co	ENSG0000	8153	18315
RND3	8.37365	9.36734	10.8867	8.16357	8.97073	7.21558	Rho family GTPase 3 [Source:HGNC Symbol;Acc:HGNC:671]	chr2:15132	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	390	671
RNF10	31.0025	33.5279	30.3601	29.486	24.6394	30.1639	ring finger protein 10 [Source:HGNC Symbol;Acc:HGNC:10055]	chr12:1209	NM_01486	XM_01153	.	.	NP_05568	XP_005254	protein_co	ENSG0000	9921	10055
RNF103	9.20444	9.22575	10.0635	6.87057	7.30355	10.57	ring finger protein 103 [Source:HGNC Symbol;Acc:HGNC:12859]	chr2:86730	NM_00566	.	.	.	NP_00118	.	protein_co	ENSG0000	7844	12859
RNF103-CHMP3	3.93E-15	1.63E-27	0.131942	5.12E-20	9.35E-15	0.270329	RNF103-CHMP3 readthrough [Source:HGNC Symbol;Acc:HGNC:3	chr2:86730	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100526767	38847
RNF11	24.8099	27.0266	26.1136	28.5751	29.6734	33.0684	ring finger protein 11 [Source:HGNC Symbol;Acc:HGNC:10056]	chr1:51701	NM_01437	.	.	.	NP_05518	.	protein_co	ENSG0000	26994	10056
RNF111	7.25141	7.52015	7.24135	6.11906	7.01882	6.97256	ring finger protein 111 [Source:HGNC Symbol;Acc:HGNC:17384]	chr15:5927	NM_00127	XM_01702	.	.	NP_00125	XP_005254	protein_co	ENSG0000	54778	17384
RNF112	0.111517	0.243271	0.115797	0.238877	0.155375	0.342135	ring finger protein 112 [Source:HGNC Symbol;Acc:HGNC:12968]	chr17:1931	NM_00714	XM_00672	.	.	NP_00907	XP_006721	protein_co	ENSG0000	7732	12968
RNF113A	6.83308	6.51444	6.33665	5.82328	6.42791	5.5536	ring finger protein 113A [Source:HGNC Symbol;Acc:HGNC:12974]	chrX:11900	NM_00697	.	.	.	NP_00890	.	protein_co	ENSG0000	7737	12974
RNF113B	0	0	0	0	0	0	ring finger protein 113B [Source:HGNC Symbol;Acc:HGNC:17267]	chr13:9879	NM_17886	.	.	.	NP_84919	.	protein_co	ENSG0000	140432	17267
RNF114	38.8499	40.1413	37.2753	46.5418	46.3439	37.8895	ring finger protein 114 [Source:HGNC Symbol;Acc:HGNC:13094]	chr20:4855	NM_01868	.	.	.	NP_06115	.	protein_co	ENSG0000	55905	13094
RNF115	4.26838	4.43448	3.57764	4.71972	4.96524	4.87879	ring finger protein 115 [Source:HGNC Symbol;Acc:HGNC:18154]	chr1:14561	NM_01445	.	.	.	NP_05527	.	protein_co	ENSG0000	27246	18154
RNF121	10.1776	9.81685	9.30541	8.61374	8.39635	7.11878	ring finger protein 121 [Source:HGNC Symbol;Acc:HGNC:21070]	chr11:7163	NM_00130	XM_01154	.	.	NP_00128	XP_006718	protein_co	ENSG0000	55298	21070
RNF122	3.06993	3.25554	3.49417	5.11913	3.81145	4.03007	ring finger protein 122 [Source:HGNC Symbol;Acc:HGNC:21147]	chr8:33405	NM_02478	.	.	.	NP_07906	.	protein_co	ENSG0000	79845	21147
RNF123	13.6961	13.6427	15.7653	13.9745	9.99523	13.9348	ring finger protein 123 [Source:HGNC Symbol;Acc:HGNC:21148]	chr3:49726	NM_02206	XM_01700	.	.	NP_07134	XP_006713	protein_co	ENSG0000	63891	21148
RNF125	3.83394	4.09344	4.7504	3.78432	4.51149	5.91017	ring finger protein 125 [Source:HGNC Symbol;Acc:HGNC:21150]	chr18:2959	NM_01783	XM_01152	.	.	NP_06030	XP_011524	protein_co	ENSG0000	54941	21150
RNF126	44.1901	42.603	38.9542	54.0569	46.7402	46.9097	ring finger protein 126 [Source:HGNC Symbol;Acc:HGNC:21151]	chr19:6475	NM_19446	XM_00525	.	.	NP_91944	XP_005259	protein_co	ENSG0000	55658	21151
RNF128	3.37071	4.81075	4.29545	6.95256	6.07892	6.29178	ring finger protein 128, E3 ubiquitin protein ligase [Source:HGNC	chrX:10593	NM_02453	.	.	.	NP_07881	.	protein_co	ENSG0000	79589	21153
RNF13	17.8814	15.4298	14.6489	13.6788	14.345	19.5885	ring finger protein 13 [Source:HGNC Symbol;Acc:HGNC:10057]	chr3:14953	NM_00728	XM_01700	.	.	NP_00921	XP_005247	protein_co	ENSG0000	11342	10057
RNF130	24.1096	25.444	22.7886	23.3852	21.564	25.8166	ring finger protein 130 [Source:HGNC Symbol;Acc:HGNC:18280]	chr5:17933	NM_00128	XM_01153	.	.	NP_00126	XP_011532	protein_co	ENSG0000	55819	18280
RNF133	0	0	0.147725	0.064344	0	0	ring finger protein 133 [Source:HGNC Symbol;Acc:HGNC:21154]	chr7:12195	NM_13917	.	.	.	NP_63191	.	protein_co	ENSG0000	168433	21154
RNF135	7.42955	7.24717	6.97221	7.32043	6.56115	6.55119	ring finger protein 135 [Source:HGNC Symbol;Acc:HGNC:21158]	chr17:2929	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	84282	21158
RNF138	13.9433	15.6615	15.0068	16.6773	19.0853	17.89	ring finger protein 138 [Source:HGNC Symbol;Acc:HGNC:17765]	chr18:2967	NM_00119	XM_00525	.	.	NP_00117	XP_005258	protein_co	ENSG0000	51444	17765
RNF139	18.4351	19.2118	21.326	17.8664	24.8782	30.7746	ring finger protein 139 [Source:HGNC Symbol;Acc:HGNC:17023]	chr8:12548	NM_00721	.	.	.	NP_00914	.	protein_co	ENSG0000	11236	17023
RNF14	16.46	17.2333	15.4577	13.7328	15.4168	16.3349	ring finger protein 14 [Source:HGNC Symbol;Acc:HGNC:10058]	chr5:14134	NM_00120	XM_01701	.	.	NP_00118	XP_005268	protein_co	ENSG0000	9604	10058
RNF141	43.2827	48.655	48.7627	48.7577	49.5464	41.4442	ring finger protein 141 [Source:HGNC Symbol;Acc:HGNC:21159]	chr11:1053	NM_01642	.	.	.	NP_05750	.	protein_co	ENSG0000	50862	21159
RNF144A	5.54254	6.17577	6.61405	5.89898	5.74156	7.28859	ring finger protein 144A [Source:HGNC Symbol;Acc:HGNC:20457]	chr2:70575	NM_01474	XM_01700	.	.	NP_05556	XP_005246	protein_co	ENSG0000	9781	20457
RNF144B	0.781597	0.831028	1.08717	0.88584	0.831257	1.15519	ring finger protein 144B [Source:HGNC Symbol;Acc:HGNC:21578]	chr6:18387	NM_18275	XM_00524	.	.	NP_87743	XP_005249	protein_co	ENSG0000	255488	21578
RNF145	54.8073	54.6105	41.07	45.8649	51.7204	50.6096	ring finger protein 145 [Source:HGNC Symbol;Acc:HGNC:20853]	chr5:15858	NM_00119	XM_00526	.	.	NP_00118	XP_016864	protein_co	ENSG0000	153830	20853
RNF146	11.2292	13.0207	9.8245	10.2625	9.20597	10.4583	ring finger protein 146 [Source:HGNC Symbol;Acc:HGNC:21336]	chr6:12758	NM_00124	XM_01153	.	.	NP_00122	XP_006715	protein_co	ENSG0000	81847	21336
RNF148	0.117867	0.12436	0.307363	0.06642	0	0.058784	ring finger protein 148 [Source:HGNC Symbol;Acc:HGNC:22411]	chr7:12195	NM_19808	.	.	.	NP_93235	.	protein_co	ENSG0000	378925	22411
RNF149	18.22	18.5991	17.8498	17.5167	19.8023	22.6744	ring finger protein 149 [Source:HGNC Symbol;Acc:HGNC:23137]	chr2:10189	NM_17364	.	.	.	NP_77591	XP_005263	protein_co	ENSG0000	284996	23137
RNF150	0	0	0	0	0	0	ring finger protein 150 [Source:HGNC Symbol;Acc:HGNC:23138]	chr4:14178	NM_02072	XM_01700	.	.	NP_06577	XP_005263	protein_co	ENSG0000	57484	23138
RNF151	0.147138	0	0	0	0	0	ring finger protein 151 [Source:HGNC Symbol;Acc:HGNC:23235]	chr16:2016	NM_17490	XM_00525	.	.	NP_77756	XP_005255	protein_co	ENSG0000	146310	23235
RNF152	0.252178	0.209504	0.420207	0.308232	0.374044	0.484872	ring finger protein 152 [Source:HGNC Symbol;Acc:HGNC:26811]	chr18:5947	NM_17355	XM_01702	.	.	NP_77582	XP_005266	protein_co	ENSG0000	220441	26811
RNF157	0.296999	0.230655	0.489638	0.186014	0.192691	0.582417	ring finger protein 157 [Source:HGNC Symbol;Acc:HGNC:29402]	chr17:7413	NM_05291	XM_00672	.	.	NP_44314	XP_005257	protein_co	ENSG0000	114804	29402
RNF165	1.69993	1.75476	1.79191	1.31076	1.97928	1.86599	ring finger protein 165 [Source:HGNC Symbol;Acc:HGNC:31696]	chr18:4391	NM_00125	XM_01152	.	.	NP_00124	XP_011524	protein_co	ENSG0000	494470	31696
RNF166	18.5644	18.1198	18.9041	21.6731	15.3581	15.7109	ring finger protein 166 [Source:HGNC Symbol;Acc:HGNC:28856]	chr16:8876	NM_00117	XM_01152	.	.	NP_00116	XP_011521	protein_co	ENSG0000	115992	28856
RNF167	64.8662	62.7152	50.0375	70.3974	59.6269	47.9309	ring finger protein 167 [Source:HGNC Symbol;Acc:HGNC:24544]	chr17:4840	NM_00132	XM_01702	.	.	NP_00130	XP_005256	protein_co	ENSG0000	26001	24544
RNF168	6.77964	6.6862	7.22646	7.46998	7.86429	8.15524	ring finger protein 168 [Source:HGNC Symbol;Acc:HGNC:26661]	chr3:19619	NM_15261	.	.	.	NP_68983	.	protein_co	ENSG0000	165918	26661
RNF169	8.68765	8.48858	10.2928	8.00339	10.7142	12.1038	ring finger protein 169 [Source:HGNC Symbol;Acc:HGNC:26961]	chr11:7445	NM_00109	XM_01154	.	.	NP_00109	XP_011543	protein_co	ENSG0000	254225	26961

RNF17	0	0	0	0	0	0	ring finger protein 17 [Source:HGNC Symbol;Acc:HGNC:10060]	chr13:2533	NM_00118	XM_01153	.	.		NP_00117	XP_00671	protein_co	ENSG0000	56163	10060
RNF170	5.65586	4.43051	4.33222	2.39303	2.70222	4.02312	ring finger protein 170 [Source:HGNC Symbol;Acc:HGNC:25358]	chr8:42704	NM_00116	XM_01154	NR_03967	.		NP_00115	XP_006716	protein_co	ENSG0000	10061611	25358
RNF175	0	0	0	0	0	0	ring finger protein 175 [Source:HGNC Symbol;Acc:HGNC:27735]	chr4:15463	NM_17366	XM_01153	.	.		NP_77593	XP_005262	protein_co	ENSG0000	285533	27735
RNF180	0	0	0	0	0	0	ring finger protein 180 [Source:HGNC Symbol;Acc:HGNC:27752]	chr5:63461	NM_00111	XM_01700	.	.		NP_00110	XP_006714	protein_co	ENSG0000	285671	27752
RNF181	103.279	89.4072	85.2289	110.351	88.4763	88.3824	ring finger protein 181 [Source:HGNC Symbol;Acc:HGNC:28037]	chr2:85822	NM_01649	XM_00526	.	.		NP_05757	XP_005264	protein_co	ENSG0000	51255	28037
RNF182	3.70136	4.25327	4.53823	5.31714	5.10994	5.23963	ring finger protein 182 [Source:HGNC Symbol;Acc:HGNC:28522]	chr6:13924	NM_00116	XM_01701	.	.		NP_00115	XP_016865	protein_co	ENSG0000	221687	28522
RNF183	0	0	0.117564	0	0.053872	0.24687	ring finger protein 183 [Source:HGNC Symbol;Acc:HGNC:28721]	chr9:11605	NM_14505	XM_01151	.	.		NP_65948	XP_006717	protein_co	ENSG0000	138065	28721
RNF185	11.9259	13.3297	13.0881	13.3655	12.4366	14.6756	ring finger protein 185 [Source:HGNC Symbol;Acc:HGNC:26783]	chr22:3155	NM_00113	XM_00672	.	.		NP_00112	XP_006724	protein_co	ENSG0000	91445	26783
RNF186	0	0	0	0	0	0	ring finger protein 186 [Source:HGNC Symbol;Acc:HGNC:25978]	chr1:20140	NM_01906	.	.	.		NP_06193	.	protein_co	ENSG0000	54546	25978
RNF187	59.1923	59.3737	48.7976	57.2774	48.5878	66.7216	ring finger protein 187 [Source:HGNC Symbol;Acc:HGNC:27146]	chr1:22867	NM_00101	.	.	.		NP_00101	.	protein_co	ENSG0000	149603	27146
RNF19A	7.4449	6.32269	7.11354	5.25657	6.82345	9.61171	ring finger protein 19A, RBR E3 ubiquitin protein ligase [Source:H	chr8:10126	NM_00128	XM_01151	.	.		NP_00126	XP_005250	protein_co	ENSG0000	25897	13432
RNF19B	13.0249	13.2999	12.0054	14.3565	13.3316	12.1517	ring finger protein 19B [Source:HGNC Symbol;Acc:HGNC:26886]	chr1:33402	NM_00112	XM_00671	.	.		NP_00112	XP_006710	protein_co	ENSG0000	127544	26886
RNF2	12.4968	12.9905	13.297	14.7059	16.2123	16.2875	ring finger protein 2 [Source:HGNC Symbol;Acc:HGNC:10061]	chr1:18501	NM_00721	XM_01150	.	.		NP_00914	XP_005245	protein_co	ENSG0000	6045	10061
RNF20	17.8464	17.5036	14.3066	19.0758	19.1809	15.6986	ring finger protein 20 [Source:HGNC Symbol;Acc:HGNC:10062]	chr9:10429	NM_01959	XM_01151	.	.		NP_06253	XP_011517	protein_co	ENSG0000	56254	10062
RNF207	4.13591	3.86586	7.73893	1.72657	1.64608	1.60478	ring finger protein 207 [Source:HGNC Symbol;Acc:HGNC:32947]	chr1:62662	NM_20739	XM_01154	.	.		NP_99727	XP_011539	protein_co	ENSG0000	388591	32947
RNF208	15.9932	16.5258	19.7736	14.2388	11.4441	6.75253	ring finger protein 208 [Source:HGNC Symbol;Acc:HGNC:25420]	chr9:14011	NM_03129	.	.	.		NP_11258	.	protein_co	ENSG0000	727800	25420
RNF212	0	0	0	0	0	0	ring finger protein 212 [Source:HGNC Symbol;Acc:HGNC:27729]	chr4:10652	NM_00113	XM_01151	.	.		NP_00112	XP_011511	protein_co	ENSG0000	285498	27729
RNF212B	0	0	0.074157	0.095352	0	0	ring finger protein 212B [Source:HGNC Symbol;Acc:HGNC:20438]	chr14:2365	NM_00128	XM_01153	.	.		NP_00126	XP_011534	protein_co	ENSG0000	10050765	20438
RNF213	7.37611	7.52633	8.32502	4.27952	4.72514	5.3795	ring finger protein 213 [Source:HGNC Symbol;Acc:HGNC:14539]	chr17:7823	NM_00125	XM_01702	.	.		NP_00124	XP_005257	protein_co	ENSG0000	57674	14539
RNF214	8.58953	8.98193	8.53448	8.28589	7.77746	7.32328	ring finger protein 214 [Source:HGNC Symbol;Acc:HGNC:25335]	chr11:1171	NM_00107	.	.	.		NP_00107	.	protein_co	ENSG0000	257160	25335
RNF215	0	0	0.157421	0	0	0.193755	ring finger protein 215 [Source:HGNC Symbol;Acc:HGNC:33434]	chr22:3072	NM_00101	.	.	.		NP_00101	.	protein_co	ENSG0000	200312	33434
RNF216	14.6037	15.1966	13.8324	15.3814	15.8219	15.1166	ring finger protein 216 [Source:HGNC Symbol;Acc:HGNC:21698]	chr7:56596	NM_20711	XM_01701	.	.		NP_99699	XP_005249	protein_co	ENSG0000	54476	21698
RNF217	4.30659	4.70314	3.94201	4.43028	5.06667	4.90281	ring finger protein 217 [Source:HGNC Symbol;Acc:HGNC:21487]	chr6:12528	NM_00128	XM_01153	.	.		NP_00127	XP_011533	protein_co	ENSG0000	154214	21487
RNF219	11.9224	11.7106	11.3314	12.3931	16.1769	12.9593	ring finger protein 219 [Source:HGNC Symbol;Acc:HGNC:20308]	chr13:7918	NM_02454	XM_01153	.	.		NP_07882	XP_011533	protein_co	ENSG0000	79596	20308
RNF220	22.0314	20.7196	19.0095	21.7439	18.2394	17.5836	ring finger protein 220 [Source:HGNC Symbol;Acc:HGNC:25552]	chr1:44870	NM_00131	XM_01700	.	.		NP_00130	XP_005271	protein_co	ENSG0000	55182	25552
RNF222	0	0	0.024918	0	0.033275	0	ring finger protein 222 [Source:HGNC Symbol;Acc:HGNC:34517]	chr17:8294	NM_00114	XM_01152	.	.		NP_00114	XP_011522	protein_co	ENSG0000	643904	34517
RNF223	3.16374	3.57585	2.18394	3.08249	2.22251	1.61281	ring finger protein 223 [Source:HGNC Symbol;Acc:HGNC:40020]	chr1:10063	NM_00120	.	.	.		NP_00119	XP_016856	protein_co	ENSG0000	401934	40020
RNF224	0.435846	0.519698	0.207509	0.307535	0.283058	0.054575	ring finger protein 224 [Source:HGNC Symbol;Acc:HGNC:41912]	chr9:14012	NM_00119	XM_01151	.	.		NP_00117	XP_011517	protein_co	ENSG0000	643596	41912
RNF225	0	0	0	0	0	0.256145	ring finger protein 225 [Source:HGNC Symbol;Acc:HGNC:51249]	chr19:5890	NM_00119	XM_00672	.	.		NP_00118	XP_006723	protein_co	ENSG0000	646862	51249
RNF24	3.3715	3.60358	4.4973	2.49143	3.46333	4.1138	ring finger protein 24 [Source:HGNC Symbol;Acc:HGNC:13779]	chr20:3907	NM_00113	XM_01152	.	.		NP_00112	XP_006723	protein_co	ENSG0000	11237	13779
RNF25	15.41	15.0392	13.7436	20.0287	16.1391	13.3974	ring finger protein 25 [Source:HGNC Symbol;Acc:HGNC:14662]	chr2:21952	NM_02245	XM_01151	.	.		NP_07189	.	protein_co	ENSG0000	64320	14662
RNF26	32.4181	36.1241	29.1812	45.3241	40.4905	29.4009	ring finger protein 26 [Source:HGNC Symbol;Acc:HGNC:14646]	chr11:1192	NM_03201	.	.	.		NP_11440	.	protein_co	ENSG0000	79102	14646
RNF31	22.8301	22.1154	20.3498	23.531	21.1195	16.3358	ring finger protein 31 [Source:HGNC Symbol;Acc:HGNC:16031]	chr14:2461	NM_00131	.	.	.		NP_00129	.	protein_co	ENSG0000	55072	16031
RNF32	0.952477	0.641612	0.431648	1.08788	0.491413	1.04018	ring finger protein 32 [Source:HGNC Symbol;Acc:HGNC:17118]	chr7:15643	NM_00118	XM_01701	.	.		NP_00117	XP_005249	protein_co	ENSG0000	140545	17118
RNF34	30.1016	27.7415	28.2546	26.4731	30.2017	24.0072	ring finger protein 34 [Source:HGNC Symbol;Acc:HGNC:17297]	chr12:1218	NM_00125	.	.	.		NP_00124	.	protein_co	ENSG0000	80196	17297
RNF38	7.50302	7.49542	7.67399	7.26838	8.68652	8.87777	ring finger protein 38 [Source:HGNC Symbol;Acc:HGNC:18052]	chr9:36336	NM_02278	XM_01701	.	.		NP_07361	XP_005251	protein_co	ENSG0000	152006	18052
RNF39	0.575624	0.377702	0.044571	0.258163	0.603044	0.21111	ring finger protein 39 [Source:HGNC Symbol;Acc:HGNC:18064]	chr6:30034	NM_02523	.	.	.		NP_07951	.	protein_co	ENSG0000	80352	18064
RNF4	41.9398	46.2907	41.3229	53.4823	49.0461	44.8482	ring finger protein 4 [Source:HGNC Symbol;Acc:HGNC:10067]	chr4:24706	NM_00118	.	.	.		NP_00117	.	protein_co	ENSG0000	6047	10067
RNF40	29.2057	29.2981	26.7128	31.6254	28.1062	23.2001	ring finger protein 40 [Source:HGNC Symbol;Acc:HGNC:16867]	chr16:3075	NM_00120	XM_01154	.	.		NP_00119	XP_011544	protein_co	ENSG0000	9810	16867
RNF41	19.5851	18.1443	16.9298	20.5134	16.2773	18.2155	ring finger protein 41 [Source:HGNC Symbol;Acc:HGNC:18401]	chr12:5659	NM_00124	XM_01153	.	.		NP_00122	XP_005268	protein_co	ENSG0000	10193	18401
RNF43	28.6723	28.8573	34.1061	24.8352	24.0738	29.4961	ring finger protein 43 [Source:HGNC Symbol;Acc:HGNC:18505]	chr17:5642	NM_01776	XM_01152	.	.		NP_00129	XP_011523	protein_co	ENSG0000	54894	18505
RNF44	14.7782	15.5265	12.8857	13.5034	13.5778	14.4395	ring finger protein 44 [Source:HGNC Symbol;Acc:HGNC:19180]	chr5:17595	NM_01490	XM_01153	.	.		NP_05571	XP_005265	protein_co	ENSG0000	22838	19180
RNF5	40.9755	37.866	40.9501	46.8304	37.3657	41.175	ring finger protein 5 [Source:HGNC Symbol;Acc:HGNC:10068]	chr6:32146	NM_00691	.	.	.		NP_00884	.	protein_co	ENSG0000	6048	10068
RNF6	19.2784	20.1196	16.6458	19.2682	19.165	20.2722	ring finger protein 6 [Source:HGNC Symbol;Acc:HGNC:10069]	chr13:2678	NM_00597	XM_01153	.	.		NP_00596	XP_005266	protein_co	ENSG0000	6049	10069
RNF7	81.8942	77.0573	69.4283	90.9933	79.4782	71.3305	ring finger protein 7 [Source:HGNC Symbol;Acc:HGNC:10070]	chr3:14145	NM_00120	.	.	.		NP_00118	.	protein_co	ENSG0000	9616	10070
RNF8	15.3435	15.016	14.7636	19.0844	15.5922	11.9984	ring finger protein 8 [Source:HGNC Symbol;Acc:HGNC:10071]	chr6:37321	NM_00395	XM_01701	.	.		NP_00394	XP_006715	protein_co	ENSG0000	9025	10071
RNFT1	8.56571	9.85026	8.76731	9.07623	10.557	11.4644	ring finger protein, transmembrane 1 [Source:HGNC Symbol;Acc:	chr17:5797	NM_01612	.	.	.		NP_05720	.	protein_co	ENSG0000	51136	30206
RNFT2	7.74214	7.41434	6.45018	7.68199	6.19181	6.32603	ring finger protein, transmembrane 2 [Source:HGNC Symbol;Acc:	chr12:1171	NM_00110	XM_01153	.	.		NP_00110	XP_005254	protein_co	ENSG0000	84900	25905
RNGTT	11.0197	12.5075	12.3798	11.0682	13.8596	15.5515	RNA guanylyltransferase and 5'-phosphatase [Source:HGNC Symb	chr6:89319	NM_00128	XM_01701	.	.		NP_00127	XP_016866	protein_co	ENSG0000	8732	10073
RNH1	55.4114	60.3257	52.1932	64.5368	52.6066	44.7258	ribonuclease/angiogenin inhibitor 1 [Source:HGNC Symbol;Acc:H	chr11:4945	NM_00293	XM_01701	.	.		NP_00293	XP_011518	protein_co	ENSG0000	6050	10074
RNLS	0	0	0	0	0	0	renalase, FAD dependent amine oxidase [Source:HGNC Symbol;A	chr10:9003	NM_00103	XM_01153	.	.		NP_00102	XP_005270	protein_co	ENSG0000	55328	25641
RNMT	19.1067	19.5473	17.7413	16.7334	18.8929	21.3047	RNA guanine-7 methyltransferase [Source:HGNC Symbol;Acc:HGN	chr18:1372	NM_00130	XM_01702	.	.		NP_00129	XP_005258	protein_co	ENSG0000	8731	10075
RNPC3	4.05334	3.28844	4.45715	2.12981	3.4401	2.93044	RNA binding region (RNP1, RRM) containing 3 [Source:HGNC Sym	chr1:10406	NM_01761	.	.	.		NP_06008	.	protein_co	ENSG0000	55599	18666
RNPEP	52.1162	49.6522	56.4134	64.4003	57.1133	56.8672	arginyl aminopeptidase [Source:HGNC Symbol;Acc:HGNC:10078]	chr1:20195	NM_02021	XM_00524	.	.		NP_06460	.	protein_co	ENSG0000	6051	10078
RNPEPL1	9.95846	10.6081	10.4058	8.43092	7.41372	8.25215	arginyl aminopeptidase like 1 [Source:HGNC Symbol;Acc:HGNC:1	chr2:24150	NM_01822	XM_00524	.	.		NP_06069	XP_005247	protein_co	ENSG0000	.	10079
RNPS1	123.492	123.829	110.083	147.349	124.966	93.0148	RNA binding protein with serine rich domain 1 [Source:HGNC Syn	chr16:2303	NM_00128	XM_00525	.	.		NP_00127	XP_005255	protein_co	ENSG0000	10921	10080
ROBO1	0.01811	0.035225	0.00994	0	0	0	roundabout guidance receptor 1 [Source:HGNC Symbol;Acc:HGN	chr3:78646	NM_00114	XM_01700	.	.		NP_00113	XP_006713	protein_co	ENSG0000	6091	10249
ROBO2	0	0	0	0	0	0	roundabout guidance receptor 2 [Source:HGNC Symbol;Acc:HGN	chr3:75955	NM_00112	XM_01700	.	.		NP_00112	XP_011532	protein_co	ENSG0000	6092	10250
ROBO3	8.2101	8.367	9.43762	9.38067	7.69458	9.69983	roundabout guidance receptor 3 [Source:HGNC Symbol;Acc:HGN	chr11:1247	NM_02237	XM_01701	.	.		NP_07176	XP_016873	protein_co	ENSG0000	64221	13433

ROBO4	0.016664	0.081262	0.023472	0.036023	0	0.030287	roundabout guidance receptor 4 [Source:HGNC Symbol;Acc:HGN	chr11:1247	NM_00130	XM_00671	.	.	NP_00128	XP_006718	protein_co	ENSG0000	54538	17985
ROCK1	9.20226	9.56907	9.84292	9.2036	10.8019	11.8569	Rho associated coiled-coil containing protein kinase 1 [Source:HG	chr18:1852	NM_00540	XM_01152	.	.	NP_00539	.	protein_co	ENSG0000	6093	10251
ROCK2	12.8583	13.2843	16.2583	11.8401	16.0329	19.5466	Rho associated coiled-coil containing protein kinase 2 [Source:HG	chr2:11319	NM_00132	XM_01151	.	.	NP_00130	XP_005246	protein_co	ENSG0000	9475	10252
ROGDI	6.71973	5.8868	9.73056	6.5509	5.34028	5.9801	rogdi homolog [Source:HGNC Symbol;Acc:HGNC:29478]	chr16:4846	NM_02458	XM_00672	.	.	NP_07886	XP_006721	protein_co	ENSG0000	79641	29478
ROM1	1.19293	1.11156	1.10987	1.47788	1.07189	0.859636	retinal outer segment membrane protein 1 [Source:HGNC Symbo	chr11:6236	NM_00032	.	.	.	NP_00031	.	protein_co	ENSG0000	6094	10254
ROMO1	181.56	183.395	196.328	249.823	174.806	195.647	reactive oxygen species modulator 1 [Source:HGNC Symbol;Acc:H	chr20:3425	NM_08074	XM_01702	.	.	NP_54278	XP_016883	protein_co	ENSG0000	140823	16185
ROPN1	0	0	0.174635	0	0	0.049763	rhophilin associated tail protein 1 [Source:HGNC Symbol;Acc:HGN	chr3:12368	NM_00131	XM_01151	.	.	NP_00130	XP_005247	protein_co	ENSG0000	54763	17692
ROPN1B	0.297072	0.367294	0.910607	0.2972	0.457086	0.449474	rhophilin associated tail protein 1B [Source:HGNC Symbol;Acc:HG	chr3:12568	NM_00101	XM_00671	.	.	NP_00101	XP_005247	protein_co	ENSG0000	152015	31927
ROPN1L	0.256031	0.383805	0.165176	0	0.222008	0.103263	rhophilin associated tail protein 1 like [Source:HGNC Symbol;Acc:	chr5:10441	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	83853	24060
ROR1	1.02851	0.933138	1.424	0.872553	1.42574	1.26692	receptor tyrosine kinase like orphan receptor 1 [Source:HGNC Sy	chr1:64239	NM_00108	XM_01700	.	.	NP_00107	XP_011539	protein_co	ENSG0000	4919	10256
ROR2	6.94727	7.05131	6.71852	7.66528	6.75857	6.05384	receptor tyrosine kinase like orphan receptor 2 [Source:HGNC Sy	chr9:94325	NM_00456	XM_01701	.	.	NP_00455	XP_005252	protein_co	ENSG0000	4920	10257
RORA	0	0	0	0	0	0	RAR related orphan receptor A [Source:HGNC Symbol;Acc:HGNC:	chr15:6078	NM_00294	XM_01152	.	.	NP_00293	XP_005254	protein_co	ENSG0000	6095	10258
RORB	0	0	0	0	0	0	RAR related orphan receptor B [Source:HGNC Symbol;Acc:HGNC:	chr9:77112	NM_00691	.	.	.	NP_00884	.	protein_co	ENSG0000	6096	10259
RORC	0.451994	0.432659	0.639859	0.30915	0.333029	0.634947	RAR related orphan receptor C [Source:HGNC Symbol;Acc:HGNC:	chr1:15177	NM_00100	XM_00671	.	.	NP_00100	XP_006711	protein_co	ENSG0000	6097	10260
ROS1	0	0	0	0	0	0.018153	ROS proto-oncogene 1, receptor tyrosine kinase [Source:HGNC Sy	chr6:11760	NM_00294	XM_01153	.	.	NP_00293	XP_006715	protein_co	ENSG0000	6098	10261
RP1	0	0	0	0	0	0	retinitis pigmentosa 1 (autosomal dominant) [Source:HGNC Symb	chr8:55471	NM_00626	XM_01701	.	.	NP_00626	XP_016869	protein_co	ENSG0000	6101	10263
RP11-101E3.5	6.26E-93	2.7E-270	1.7E-132	1.2E-117	7.2E-102	4.7E-244	.	chr9:13168	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-1035H13.3	0.463252	0.9605	0.42258	0.717341	2.59972	0.857581	.	chr16:1879	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-104H15.12	0	0.019442	0	0.020725	0.021089	0.039912	.	chr17:7332	.	XM_01152	.	.	.	XP_011507	protein_co	ENSG0000	107983988	.
RP11-108K14.8	7.05E-31	5.12E-32	1.2E-08	1.68E-09	7.72E-14	4.76E-12	.	chr10:1351	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-108O10.8	0.184681	2.93E-28	0.115832	0.188251	0.127616	1.66E-14	.	chr11:1116	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-111M22.2	1.75722	2.17828	2.51703	2.05149	2.00547	2.06235	.	chr11:7609	NM_00128	.	NR_13099	.	NP_00126	.	protein_co	ENSG0000	100506127	.
RP11-119J18.1	0	0	0	0	0	0	.	chr5:13515	.	.	.	.	.	XP_016865	protein_co	ENSG0000	107986453	.
RP11-1212A22.4	0.439484	0.065489	0.332839	0.483109	1.54755	0.888396	.	chr16:1845	.	.	.	.	.	XP_005255	protein_co	ENSG0000	9284, 6427	.
RP11-1236K1.1	0	0	0	0	0	0	.	chr8:11921	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100133267	.
RP11-134F2.8	0.007253	1.01E-05	0.525282	7.52E-05	1.33E-07	1.6E-10	.	chr3:18629	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-141O19.1	0	0	0	0	0	0	centromere protein V like 2 [Source:HGNC Symbol;Acc:HGNC:438	chrX:51424	.	.	.	.	.	.	protein_co	ENSG0000	.	43879
RP11-146B14.1	0.000144	4.54E-05	9.52E-05	0.38511	0.287957	9.14E-05	.	chr9:67208	.	.	.	.	.	XP_016869	protein_co	ENSG0000	23081	.
RP11-14J7.7	0	0	0	0	0	0	.	chr14:2105	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-152F13.10	0	0	0	0	0	0	.	chr15:8320	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-153I24.5	0	0	0	0	0	0	.	chr13:1089	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-159D12.5	40.9746	30.8285	36.6949	23.7971	25.1737	29.3972	.	chr17:5606	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-15H20.8	0.306718	0.351699	0.307712	0.196219	0.332975	0.192343	.	chr19:2340	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-15K19.2	0.682876	0.725737	0.374305	0.744258	0.551297	0.763543	.	chr7:55954	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-162P23.2	6.43273	8.07959	7.82315	5.91484	5.59438	8.79462	.	chr12:1121	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-166B2.1	0.7771	0.632367	0.702572	0.797629	0.75129	0.611538	Putative NPIP-like protein LOC729978 [Source:UniProtKB/Swiss-P	chr16:1202	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-176H8.1	1.72E-29	1.48E-36	7.46E-60	1.87E-45	1.12E-57	2.73E-15	.	chr14:3176	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-178C3.1	0.934229	0.568363	1.33797	0.398509	0.619911	1.33837	.	chr17:5797	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-178L8.4	0.419691	0.31126	0.290615	5.65E-06	0.3924	3.9E-13	.	chr16:8733	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-192H23.4	2.76E-06	0.372499	0.181339	0.375259	3.08E-07	0.84134	.	chr17:2693	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-192I24.1	0	0	0	0	0	0	.	chrX:72132	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-195B21.3	0.218431	0.319262	0.25657	0.169556	0.238017	0.341991	Protein LOC644249 [Source:UniProtKB/TrEMBL;Acc:Q4V308]	chr9:67926	.	.	.	.	.	XP_005276	protein_co	ENSG0000	644249	.
RP11-195F19.29	0.358271	4.1E-60	1.58E-50	1.12E-37	1.32E-55	2.76E-81	.	chr9:34646	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-195F19.5	3.41361	4.55881	5.1677	6.5429	4.79907	7.63424	Homo sapiens uncharacterized LOC730098 (LOC730098), transcri	chr9:34664	NM_00132	.	.	.	NP_00130	XP_01687	protein_co	ENSG0000	730098	.
RP11-196G11.1	0.96294	0.398608	0.355265	3.44E-14	7.71E-21	6.24E-12	.	chr16:3108	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-20I23.1	8.74E-08	3.63E-29	3.38E-11	6.36E-08	0.285353	1.38E-18	.	chr16:2529	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-20I23.3	3.35E-10	1.91E-69	0.703119	0.399542	1.93E-66	6.52E-05	.	chr16:2529	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-211G3.2	0	0	0	0	0	0	.	chr3:18743	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-214K3.25	0.841412	3.6E-141	0.483855	3.85E-90	0.606126	0.302635	.	chr12:1244	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-215A19.2	0	0	0	0	0	0	.	chr4:18734	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-231C14.4	0.105929	0.035561	0.060687	0	0.11946	0	.	chr16:2949	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-231C18.3	7.71E-39	3.81E-58	5.3E-44	1.52E-37	4.24E-32	2E-39	.	chr4:54243	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-231I13.2	0	0	0	0	0	0	.	chr3:70246	.	.	.	.	.	XP_016863	protein_co	ENSG0000	107986096	.
RP11-235D19.4	0	0	0.121005	0	0	0.069027	.	chr1:15085	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-240B13.2	0	0	0	0	0	0	.	chr8:13303	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-244E17.1	0	0	0	0	0	0	.	chr14:2352	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-249L12.1	0	0	0	0	0	0	.	chr3:88387	.	XM_01153	.	.	.	XP_011532	protein_co	ENSG0000	.	.
RP11-277P12.6	3.63587	1.86412	4.22222	2.75345	2.16826	5.11318	.	chr12:1056	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-286H14.4	4.97281	5.11512	4.88263	5.33798	4.8788	4.50533	.	chr7:12876	.	.	.	.	.	.	protein_co	ENSG0000	.	.

RP11-294C11.1	0	0	0	0	0	0	.	chr15:2236	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-295K3.1	0.849081	0.939439	0.544448	0.545549	0.128923	0.469846	.	chr11:1753	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-295P9.13	1.44266	2.06879	1.45931	1.10324	1.23613	1.49222	.	chr10:1362	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-298A10.1	0	0	0	0	0	0	.	chr7:14331	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-298I3.5	3.35667	8.34E-06	0.000168	0.144416	3.7E-10	3.79504	.	chr14:2341	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-302B13.5	0.265637	0.294928	0.510287	0.159129	0.153357	0.596828	.	chr12:4929	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-309L24.4	0.319601	0.454091	0.182145	0.579852	0.303331	0.257815	.	chr7:12850	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100130705	.
RP11-310K10.1	0	0	0	0	0	0	.	chr13:6198	.	.	.	.	.	XP_01687	protein_co	ENSG0000	64881	.
RP11-315D16.2	0.630778	0.701776	1.0778	0.447862	0.378047	0.197705	.	chr15:6834	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-318A15.7	6.45E-12	9E-218	2.36E-28	3.09E-72	5.46E-69	3.8E-212	.	chr17:7472	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-322E11.6	2.68E-19	0.267278	0.708228	1.33154	0.327145	5.22E-18	.	chr18:3302	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-322N21.2	0	0	0	0	0	0	Homo sapiens phosphoinositide-3-kinase regulatory subunit 3 (PI	chr1:46640	NM_00132	.	.	.	NP_00131	.	protein_co	ENSG0000	8503	.
RP11-327P2.7	0.147611	0.058977	0.032589	0	0.042414	0.019125	.	chr13:5238	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-330H6.5	0.275149	0.027455	0.093667	0.000313	0.064618	0.000105	.	chr3:52255	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-343C2.11	13.5656	14.7635	11.6491	16.9419	17.0035	12.3338	.	chr16:6922	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-343C2.9	4.14E-12	2.28E-17	3.15E-07	0.000184	3.98E-24	1.12E-12	.	chr16:6936	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-345F18.1	0	0	0	0	0	0	.	chr4:56685	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-345J4.3	0	0	0	0	0	0	.	chr16:2947	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-347C12.1	0.266057	0.167572	0.204395	0.155656	0.160678	0.177347	Homo sapiens nuclear pore complex interacting protein member	chr16:3023	NM_00132	.	.	.	NP_00129	XP_01687	protein_co	ENSG0000	440345, 61	.
RP11-347C12.3	0.051769	0	0.178561	0	0	0	.	chr16:3021	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-350E12.6	0	0	0	0	0	0	.	chr9:90571	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-350O14.18	9.87E-12	3.06571	1.14E-91	1.57304	0.799726	0.527428	.	chr9:14003	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-360D2.1	0	0	0	0	0	0	.	chr1:17357	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	730159	.
RP11-371E8.4	8.99E-09	1.04E-08	2.34E-08	2.76E-07	0.303424	3.39E-09	.	chr14:9365	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-382A20.3	0	0	0	0.007706	0	0	Hepatoma-derived growth factor-related protein 3 [Source:UniP	chr15:8377	NM_01607	XM_00672	.	.	NP_05715	XP_00672	protein_co	ENSG0000	50810	.
RP11-385D13.1	0.062001	1.12E-09	0.068944	0.036427	0.109699	0.066474	.	chr17:1547	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-385J1.3	0	0	0	0	0	0	.	chr3:17813	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-38C17.1	2.74E-17	0.353905	1.13E-14	0.436193	5.08E-15	3.99E-16	.	chr2:99771	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-397G17.1	0	0	0	0	0	0	.	chr6:50061	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP1-139D8.6	0	0	0	2.38E-10	0	0	.	chr6:42123	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-402G3.3	0	0	0	0	0	0.133002	.	chr9:11742	NM_00119	XM_01151	.	.	NP_00118	XP_01151	protein_co	ENSG0000	100505478	.
RP11-402G3.5	0	0	0	0	0	0	.	chr9:11741	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-402P6.15	0	0	0	0	0	0	uncharacterized protein LOC101059915 [Source:RefSeq peptide;	chrX:70887	.	.	.	.	NP_00131	.	protein_co	ENSG0000	101059915	.
RP11-404P21.8	0.175503	0	0.150675	0.18954	0.090375	9.15E-18	.	chr14:9667	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-407N17.3	0.103917	0.033767	0.26534	0.189149	0.17624	0.119458	.	chr14:3970	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-40A7.2	0	0	0	0	0	0	.	chr9:13442	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-426L16.10	2.01E-80	0.000114	1.25E-47	3.1E-35	3.27E-52	0.233688	.	chr1:11324	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-437B10.1	5.89537	8.55663	7.9052	6.46995	8.27214	13.436	.	chr15:9342	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-449H3.3	1.7057	2.39896	2.30502	2.99559	2.94635	2.38835	.	chr5:14558	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-451G4.2	0	0	0	0	0	0	.	chr3:15500	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-457D20.2	0	0	0	0	0	0	Putative UPF0607 protein ENSP00000381418 [Source:UniProtKB	chr16:6039	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	.	.
RP11-467J12.4	1.7609	1.45291	1.14501	0.803333	1.43917	0.662484	.	chr16:5307	.	.	NR_13651	.	.	.	protein_co	ENSG0000	105371267	.
RP11-467N20.5	0	0	0	0	0	0.009918	Protein LOC440233 [Source:UniProtKB/TrEMBL;Acc:H0YM25]	chr15:2340	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-468E2.1	0.001523	0.736561	0.970313	0.005033	0.913911	3.96378	.	chr14:2465	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-468E2.2	6.91E-17	2.91547	0.658884	5.92E-06	1.49384	9.10375	.	chr14:2464	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-468E2.6	0	4.5E-125	0	3.14E-50	0	0.280197	.	chr14:2454	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-475E11.9	0.421664	0	0.255385	0.158911	0.161089	0	.	chr1:10935	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-47I22.4	1.08E-29	5.61E-16	7.49E-44	0.169455	0.174424	1.26E-40	.	chr14:6178	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-481A20.11	1.7995	2.40475	0.787714	1.90191	2.35434	1.25262	Protein LOC101060662 [Source:UniProtKB/TrEMBL;Acc:E9PP17]	chr8:11870	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-484M3.5	0	0	0	0	0	0	.	chr3:11886	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-49K24.9	0	0	0	0	0	0	.	chr18:4438	.	XM_00672	.	.	.	XP_00527	protein_co	ENSG0000	101930165	.
RP11-49P4.7	0	0	0	0	0	0	.	chr1:46997	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-505K9.4	1.00504	1.23039	0.402375	0.620142	0.423957	0.797116	.	chr16:8393	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-506B6.7	0	0	0	0	0	0	.	chr6:11242	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-507K12.1	1.27E-05	3.53E-06	1.4E-05	4.88E-06	6.46E-06	0.126923	.	chr7:17338	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-514O12.4	0.277984	0.352389	7.13E-35	1.49E-55	0.60305	4.18E-54	.	chr6:16682	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-514P8.7	0.305951	0.671984	0.424321	0.245028	0.122096	0.653742	.	chr7:10217	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-515E23.1	0.031518	0.033315	0.02724	0	0.034932	0	.	chr17:5352	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-526A4.1	0.073594	0.114376	0	0	0	0.035766	.	chr4:15027	.	XM_01153	.	.	.	XP_01153	protein_co	ENSG0000	285423	.

RP11-529K1.3	1.76E-32	0.001349	1.34E-18	7.89E-12	6.08E-07	2.64E-18	.	chr16:7032	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-540D14.8	0.781869	0.670211	0.383743	2.66E-05	3.8E-05	0.677318	.	chr1:15503	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-545J16.1	4.14E-06	0.62193	4.83E-08	1.31E-08	2.76E-20	5.99E-12	.	chr12:2096	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-546B8.6	0.140343	0.035722	0.090305	0	0.199072	0.07298	.	chr5:17073	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-548K23.11	9.9E-107	0.000141	4.71E-13	2.42E-10	0.167314	1.58E-07	.	chr10:9934	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-566K11.2	9.86E-05	1.75196	4.01E-05	0.995806	0.000227	2.42966	.	chr16:8997	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-569D9.5	0	0	0	0	0	0	.	chr13:1149	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-574F21.3	0.585453	1.37244	0.754679	0.259804	0.401785	0.952639	.	chr1:16018	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-599B13.6	2.61E-53	2.01E-26	8.8E-24	1.01E-21	1.25E-16	1.9E-111	.	chr17:8043	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-603J24.9	30.1981	31.1201	31.5086	24.8462	32.4209	45.832	.	chr12:5647	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-618P17.4	4.85E-09	8.14E-11	8.43E-08	1.09E-13	7.06E-13	1.8E-08	.	chr19:3485	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-624J6.2	0	0	0	0	0	0	.	chr12:5363	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-644F5.10	2.48045	1.59937	2.38616	2.40611	1.69608	1.71637	.	chr12:5610	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-668G10.2	0.078932	0	0.034215	0	0.044149	0	Putative glycerol kinase 3 [Source:UniProtKB/Swiss-Prot;Acc:Q14	chr4:16599	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-685N3.1	0	0	0	0	0	0	immunoglobulin kappa variable 3D-7 [Source:HGNC Symbol;Acc:H	chr2:90537	28877	.	.	.	.	.	IG_V_gene	ENSG0000	.	5829
RP11-697E2.12	0.334389	0.322797	0.146265	0.513212	0.394117	1.09E-10	.	chr15:9080	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-69A21.2	0	0	0	0	0	0	.	chrX:71996	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-6L6.2	0.031957	0	0.083478	0.034877	0.036354	0	.	chr4:14713	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-717K11.2	1.25138	1.98018	3.2913	0.662205	2.87059	2.62602	.	chr4:25162	.	XM_00524	.	.	.	XP_005248	protein_co	ENSG0000	55300	.
RP11-723O4.6	0.456319	0.344992	0.325332	0.422762	0.555008	1.13921	Uncharacterized protein FLJ43738 [Source:UniProtKB/Swiss-Prot	chr3:12859	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-724O16.1	9.8E-20	0.145613	7.72E-15	2.62E-07	1.11E-11	0.085655	.	chr2:17033	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-727F15.14	0	0	0	0	0	0	.	chr11:6259	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP1-172N19.1	0	0	0	0	0	0	.	chrX:71996	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-736N17.11	0	0	0	0	0	0.184382	.	chr14:1035	.	XM_01702	.	.	.	XP_016855	protein_co	ENSG0000	10798464	.
RP11-73M18.2	0.905805	3.27875	1.2993	1.14423	1.46163	0.810734	.	chr14:1040	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-762I7.5	0.677444	1.72E-33	0.405808	9.96E-44	0.250823	0.412941	.	chr12:5613	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-766F14.2	0	0	0	0.01678	0.008563	0	.	chr4:10055	.	XM_37303	.	.	.	XP_003960	protein_co	ENSG0000	285556	.
RP11-77H9.1	0	0	0	0	0	0	.	chr16:8975	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-77K12.1	3.91E-48	0.351361	1.43E-55	3.52E-55	1.57E-42	0.91564	.	chr16:7532	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-793H13.10	3.67E-27	1.74E-35	9.29E-94	0.427523	9.14E-21	2.13E-41	.	chr12:5390	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP1-179P9.3	9.73E-56	1.02E-74	6.52E-37	3.5E-111	5.12E-84	9.01E-73	.	chr6:11760	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-80H18.3	9.25393	7.86496	9.76255	10.6563	9.02218	10.8186	Hydroxyacyl-thioester dehydratase type 2, mitochondrial [Source	chr3:58291	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-811O14.1	0	0	0	0	0	0	.	chr2:22556	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-812E19.9	0	0	0	0	0	0	.	chr16:3364	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-81A22.5	1.00915	0.665178	1.75	1.43436	1.17782	2.22033	.	chr17:4704	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-831H9.11	6.84E-87	1.49E-16	8.93E-65	1.97E-12	2.42E-61	4.38E-19	.	chr11:6241	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-834C11.12	0.170623	6.18E-55	0.08298	4.49E-91	1.38E-05	0.345553	.	chr12:5437	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-849H4.2	1.74536	0.941369	1.13036	1.36164	0.602215	1.0188	Putative short transient receptor potential channel 2-like protein	chr11:7158	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-872D17.8	1.00036	1.06357	0.688136	2.03459	1.70113	0.429558	.	chr11:5715	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-903H12.5	1.90033	1.66197	2.79354	0.052534	0.794434	3.3306	.	chr14:2115	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-934B9.3	0	0	0	0	0	0	.	chr14:2478	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-949J7.8	2.53706	1.66452	2.48082	0.001049	1.46808	0.399615	Nicolin-1 [Source:UniProtKB/Swiss-Prot;Acc:Q9BSH3]	chr3:49454	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-96L14.7	0	0.065312	0	0.143772	0.077483	0.073586	.	chr1:26496	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-96L14.8	0	0	0	0	0	0	.	chr1:26490	.	XM_01154	.	.	.	XP_011540	protein_co	ENSG0000	.	.
RP11-96O20.4	5.21E-11	1.11E-16	1.35E-14	4.57E-29	0.36916	0.664165	.	chr15:4587	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-977G19.10	0.202622	2.1E-113	2.62E-40	0.443386	1.77E-29	8.27E-33	.	chr12:5666	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP11-98L5.5	0	0	0	0	0	0	.	chr9:13850	.	XM_01151	.	.	.	XP_011517	protein_co	ENSG0000	102723971	.
RP1-20N18.10	0	0	0	0	0	0	.	chr1:15291	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP1-302G2.5	0	0	0.122871	0.155319	0	0	Homo sapiens uncharacterized LOC101929726 (LOC101929726),	chr6:44184	NM_00131	.	.	.	NP_00130	XP_016865	protein_co	ENSG0000	101929726	.
RP13-1032I1.10	7.42E-05	0.454626	5.62E-05	0.000427	3.42E-05	7.51E-07	.	chr17:7967	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP13-198D9.4	0	0	0	0	0	0	.	chr9:38694	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP13-210D15.4	0	0	0	0	0	0	.	chrX:13438	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP13-210D15.9	0	0	0	0	0	0	.	chrX:13441	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP1-321E8.5	0	0	0	0	0	0	.	chrX:12001	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP13-347D8.7	0	0	0	0	0	0	.	chrX:11820	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP1-34B20.21	0.624171	1.05994	0.649283	0.744178	0.637711	0.606204	.	chr6:26196	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP13-512J5.1	6.48282	3.83439	3.29168	3.213	2.79292	2.52685	.	chr2:35795	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP13-582O9.6	1.61738	0.997747	0.43136	5.42E-09	0.493862	1.30154	.	chr8:14432	.	.	.	.	.	.	protein_co	ENSG0000	.	.
RP13-672B3.2	0.459423	0.569677	1.16E-95	0.242812	0.248082	8.83E-76	.	chr12:1332	.	.	.	.	.	.	protein_co	ENSG0000	.	.

RP13-996F3.4	0	0.023418	0	0	0	0.025472	golgin A6 family-like 19 [Source:HGNC Symbol;Acc:49416]	chr15:8301	.	.	.	.	.	XP_00396(	protein_co	ENSG0000(	10013322(	49416
RP13-996F3.5	0	0	0	0	0	0	golgin A6 family-like 18 [Source:HGNC Symbol;Acc:49415]	chr15:8293	.	.	.	.	.	XP_005272	protein_co	ENSG0000(	643707	49415
RP1-66C13.4	4.04E-21	2.2E-33	7.47E-32	2.72E-06	7.02E-13	2.58E-24	.	chr17:2608	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
RP1L1	0.126109	0.072963	0.052196	0.06351	0.068906	0.049509	retinitis pigmentosa 1-like 1 [Source:HGNC Symbol;Acc:HGNC:159	chr8:10463	NM_17885	.	.	.	NP_849188	.	protein_co	ENSG0000(	94137	15946
RP2	4.71141	4.64728	5.24499	6.10069	5.81014	5.82488	retinitis pigmentosa 2 (X-linked recessive) [Source:HGNC Symbol;	chrX:46696	NM_00691	.	.	.	NP_00884(	.	protein_co	ENSG0000(	6102	10274
RP3-369A17.6	0	0	0	0	0	0	.	chr6:24797	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
RP3-422G23.4	0	0	0	0	0	0	.	chr6:13869	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
RP3-454G6.2	0	0	0	0	0	0	.	chr1:17156	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
RP4-539M6.19	0.000552	0.711133	0.000299	2.36856	4.11E-07	0.885764	.	chr22:3079	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
RP4-559A3.7	1.02E-56	8.05E-64	0.095958	2.08E-74	4.75E-71	0.063263	.	chr1:22607	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
RP4-576H24.4	0	0	0	0	0	0	.	chr20:1514	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
RP4-583P15.14	1.15E-05	5.71E-05	5.2E-07	0.001673	2.46E-05	0.000369	.	chr20:6236	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
RP4-608O15.3	0	0	0	0	0	0	.	chr1:19678	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
RP4-777O23.3	7.53E-18	0.368857	0.173279	4.4E-54	4.35E-17	0.351998	.	chr7:30536	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
RP4-809F18.1	0	0	0	0	0	0	.	chr12:1266	.	.	.	XR_001732	.	.	protein_co	ENSG0000(	101927531	.
RP4-816N1.8	0	0	0	0	0	0	Uncharacterized protein ENSP00000372125 [Source:UniProtKB/S	chr12:2958	.	XM_00525	.	.	.	XP_005253	protein_co	ENSG0000(	101929469	.
RP5-1052I5.2	3.52E-07	0.134543	0.239717	0.074982	1.29E-12	3.07E-08	.	chr1:87380	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
RP5-1187M17.10	3.57112	3.52805	3.80712	2.63946	2.5358	2.2662	leucine zipper tumor suppressor family member 3 [Source:HGNC	chr20:3143	NM_00128	XM_01152	.	.	NP_00126	XP_00526(	protein_co	ENSG0000(	9762	30139
RP5-850E9.3	6.39E-05	6.85E-05	7.16E-05	8.86E-05	0.000103	6.8E-05	.	chr20:6272	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
RP5-860F19.8	0	0.046957	0	0.050399	0	0	.	chr20:2795	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
RP5-862P8.2	8.88488	9.64036	8.52856	8.67135	9.168	10.0021	Mitogen-activated protein kinase kinase kinase MLK4 [Source:Un	chr1:23346	NM_03243	XM_01154	.	.	NP_11581	XP_011542	protein_co	ENSG0000(	84451	.
RP5-864K19.6	1.18495	2.98119	0.733647	7.09486	4.73884	0.480658	.	chr1:39328	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
RP5-874C20.8	1.6E-280	0.216329	0.169184	6.8E-153	8.18E-40	0.502438	.	chr6:28234	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
RP5-877J2.1	3.87E-54	1.64E-36	0.117172	3.82E-54	0.301425	1.06E-08	.	chr7:30811	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
RP5-937E21.8	0.273773	0.056069	0.527086	0.060131	0	0.173009	Homo sapiens heat shock transcription factor, X-linked-like (LOC1	chrX:14862	NM_00132	XM_00526	.	.	NP_00131(	XP_005262	protein_co	ENSG0000(	101928917	.
RP5-972B16.2	2.63E-75	4.73E-82	1.5E-182	3.45E-51	0.053687	1.4E-131	.	chrX:37208	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
RP5-994D16.11	0.17398	0.306556	0.24923	0.320745	0.273744	0.258755	.	chr1:43250	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000(	100129924	.
RP6-24A23.6	0	0	0	0	0	0	.	chrX:10796	.	.	.	.	.	.	protein_co	ENSG0000(	.	.
RP9	9.07699	8.80737	7.80047	11.8111	10.3846	7.48485	retinitis pigmentosa 9 (autosomal dominant) [Source:HGNC Symb	chr7:33134	NM_20328	XM_01151	.	.	NP_97603	XP_011513	protein_co	ENSG0000(	6100	10288
RPA1	57.51	55.3552	58.7006	61.8623	59.5923	48.4308	replication protein A1 [Source:HGNC Symbol;Acc:HGNC:10289]	chr17:1733	NM_00294	.	.	.	NP_00293(	.	protein_co	ENSG0000(	6117	10289
RPA2	59.5633	57.3469	55.7631	68.745	62.3907	56.8424	replication protein A2 [Source:HGNC Symbol;Acc:HGNC:10290]	chr1:28218	NM_00128	XM_01154	.	.	NP_00127	.	protein_co	ENSG0000(	6118	10290
RPA3	42.2534	50.2847	51.3271	59.8143	35.4727	47.573	replication protein A3 [Source:HGNC Symbol;Acc:HGNC:10291]	chr7:76761	NM_00294	.	.	.	NP_00293	.	protein_co	ENSG0000(	6119	10291
RPA4	0.047926	0.049599	0.124528	0.159741	0.10821	0.049212	replication protein A4 [Source:HGNC Symbol;Acc:HGNC:30305]	chrX:95939	NM_01334	.	.	.	NP_03747	.	protein_co	ENSG0000(	29935	30305
RPAIN	36.0452	38.9679	35.0983	36.4398	32.747	36.3167	RPA interacting protein [Source:HGNC Symbol;Acc:HGNC:28641]	chr17:5289	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000(	84268	28641
RPAP1	10.5618	11.5811	11.2789	12.5551	11.4689	9.38618	RNA polymerase II associated protein 1 [Source:HGNC Symbol;Ac	chr15:4180	NM_01554	XM_00672	.	.	NP_05635	XP_005254	protein_co	ENSG0000(	26015	24567
RPAP2	2.41884	2.372	2.55514	2.0103	2.65024	2.13813	RNA polymerase II associated protein 2 [Source:HGNC Symbol;Ac	chr1:92711	NM_02481	XM_00527	.	.	NP_07908	XP_005271	protein_co	ENSG0000(	79871	25791
RPAP3	14.3216	12.4494	15.9791	12.6689	16.4796	16.8618	RNA polymerase II associated protein 3 [Source:HGNC Symbol;Ac	chr12:4805	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000(	79657	26151
RPE	33.8739	33.9999	32.7962	35.4548	36.2725	33.2313	ribulose-5-phosphate-3-epimerase [Source:HGNC Symbol;Acc:HG	chr2:21086	NM_00127	XM_00671	.	.	NP_00126	XP_006712	protein_co	ENSG0000(	6120	10293
RPE65	0	0	0	0	0	0	RPE65, retinoid isomerohydrolase [Source:HGNC Symbol;Acc:HG	chr1:68894	NM_00032	.	.	.	NP_00032	.	protein_co	ENSG0000(	6121	10294
RPEL1	2.20794	2.51425	2.37633	2.03498	2.62377	2.34377	ribulose-5-phosphate-3-epimerase like 1 [Source:HGNC Symbol;A	chr10:1050	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000(	729020	45241
RPF1	71.892	67.6448	62.9749	85.2062	89.4138	74.4164	ribosome production factor 1 homolog [Source:HGNC Symbol;Ac	chr1:84944	NM_02506	.	.	.	NP_07934	.	protein_co	ENSG0000(	80135	30350
RPF2	34.6824	31.2174	32.3259	40.9023	41.8119	39.4869	ribosome production factor 2 homolog [Source:HGNC Symbol;Ac	chr6:11130	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000(	84154	20870
RPGR	2.17633	3.22951	2.88989	2.26677	2.62021	3.89781	retinitis pigmentosa GTPase regulator [Source:HGNC Symbol;Acc:	chrX:37208	NM_00032	XM_01702	.	.	NP_00031	XP_005272	protein_co	ENSG0000(	6103	10295
RPGRIP1	0	0	0	0	0	0	retinitis pigmentosa GTPase regulator interacting protein 1 [Sour	chr14:2179	NM_02036	XM_01153	.	.	NP_06509	XP_005267	protein_co	ENSG0000(	57096	13436
RPGRIP1L	5.44146	4.31502	3.40269	5.73123	5.1279	4.12569	RPGRIP1 like [Source:HGNC Symbol;Acc:HGNC:29168]	chr16:5363	NM_00112	XM_01702	.	.	NP_00112	XP_005255	protein_co	ENSG0000(	23322	29168
RPH3A	0.031319	0.015931	0.136362	0.026218	0.017863	0.149916	rabphilin 3A [Source:HGNC Symbol;Acc:HGNC:17056]	chr12:1130	NM_00114	XM_01153	.	.	NP_00113	XP_011536	protein_co	ENSG0000(	22895	17056
RPH3AL	4.00509	3.99326	4.90056	4.36204	3.49397	4.39729	rabphilin 3A-like (without C2 domains) [Source:HGNC Symbol;Acc	chr17:6217	NM_00119	XM_01153	.	.	NP_00117	XP_011533	protein_co	ENSG0000(	9501	10296
RPIA	34.2073	33.068	31.0929	33.6334	31.6649	30.7042	ribose 5-phosphate isomerase A [Source:HGNC Symbol;Acc:HGN(	chr2:88991	NM_14456	.	.	.	NP_65316	.	protein_co	ENSG0000(	22934	10297
RPL10	1766.97	1696.75	1697.18	1747.32	1393.96	1536.85	ribosomal protein L10 [Source:HGNC Symbol;Acc:HGNC:10298]	chrX:15362	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000(	6134	10298
RPL10A	1529.34	1435.82	1541.3	1685.55	1373.03	1624.95	ribosomal protein L10a [Source:HGNC Symbol;Acc:HGNC:10299]	chr6:35436	NM_00710	.	.	.	NP_00903	.	protein_co	ENSG0000(	4736	10299
RPL10L	0	0	0	0	0	0	ribosomal protein L10 like [Source:HGNC Symbol;Acc:HGNC:1797	chr14:4712	NM_08074	.	.	.	NP_54278	.	protein_co	ENSG0000(	140801	17976
RPL11	1734.23	1583.79	1669.72	1854.32	1438.12	1791.38	ribosomal protein L11 [Source:HGNC Symbol;Acc:HGNC:10301]	chr1:24018	NM_00097	.	.	.	NP_00096	.	protein_co	ENSG0000(	6135	10301
RPL12	2246.24	2025.05	2293.59	2476.81	1821.9	2666.22	ribosomal protein L12 [Source:HGNC Symbol;Acc:HGNC:10302]	chr9:13020	NM_00097	.	.	.	NP_00096	.	protein_co	ENSG0000(	6136	10302
RPL13	2625.72	2562.46	2825.97	2971.73	2197.48	2973.92	ribosomal protein L13 [Source:HGNC Symbol;Acc:HGNC:10303]	chr16:8962	NM_00097	.	.	.	NP_00096	.	protein_co	ENSG0000(	6137	10303
RPL13A	2006.97	1895.77	2238.9	2108.29	1637.65	2108.5	ribosomal protein L13a [Source:HGNC Symbol;Acc:HGNC:10304]	chr19:4999	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000(	23521	10304
RPL14	854.143	768.617	761.28	841.533	682.556	710.912	ribosomal protein L14 [Source:HGNC Symbol;Acc:HGNC:10305]	chr3:40498	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000(	9045	10305
RPL15	969.61	914.268	970.683	1155.13	870.715	1030.52	ribosomal protein L15 [Source:HGNC Symbol;Acc:HGNC:10306]	chr3:23933	NM_00125	XM_01153	.	.	NP_00124	XP_011532	protein_co	ENSG0000(	6138	10306
RPL17	1789.33	1646.83	1773.21	2176.8	1676.11	2071.23	ribosomal protein L17 [Source:HGNC Symbol;Acc:HGNC:10307]	chr18:4700	NM_00098	.	.	.	NP_00097	.	protein_co	ENSG0000(	6139	10307
RPL17-C18orf32	3.57658	2.7357	3.89782	3.69088	2.65666	4.23897	RPL17-C18orf32 readthrough [Source:HGNC Symbol;Acc:HGNC:4	chr18:4700	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000(	10052684	44661

RPL18	1319.52	1230.01	1192.47	1623.42	1148.72	1085.97	ribosomal protein L18 [Source:HGNC Symbol;Acc:HGNC:10310]	chr19:4911	NM_00097	.	.	.	NP_00097	.	protein_co	ENSG0000	6141	10310
RPL18A	1472.85	1426.52	1405.9	1714.18	1161.47	1319.09	ribosomal protein L18a [Source:HGNC Symbol;Acc:HGNC:10311]	chr19:1797	NM_00098	.	.	.	NP_00097	.	protein_co	ENSG0000	6142	10311
RPL19	2263.75	2104.46	2093.78	2435.23	1908.03	2021.47	ribosomal protein L19 [Source:HGNC Symbol;Acc:HGNC:10312]	chr17:3735	NM_00098	XM_00525	.	.	NP_00097	XP_005257	protein_co	ENSG0000	6143	10312
RPL21	1310.15	1136.11	1171.86	1361.79	1093.36	1407.38	ribosomal protein L21 [Source:HGNC Symbol;Acc:HGNC:10313]	chr13:2782	NM_00098	.	.	.	NP_00097	.	protein_co	ENSG0000	6144	10313
RPL22	261.282	229.826	252.706	275.37	214.299	286.207	ribosomal protein L22 [Source:HGNC Symbol;Acc:HGNC:10315]	chr1:62413	NM_00098	.	.	.	NP_00097	.	protein_co	ENSG0000	6146	10315
RPL22L1	478.225	433.262	467.02	540.685	512.113	595.437	ribosomal protein L22 like 1 [Source:HGNC Symbol;Acc:HGNC:27	chr3:17058	NM_00109	XM_00524	.	.	NP_00109	XP_005247	protein_co	ENSG0000	200916	27610
RPL23	1474.36	1325.91	1542.75	1717.48	1285.76	1624.95	ribosomal protein L23 [Source:HGNC Symbol;Acc:HGNC:10316]	chr17:3700	NM_00097	.	.	.	NP_00096	.	protein_co	ENSG0000	9349	10316
RPL23A	471.675	461.858	485.453	550.947	421.127	552.683	ribosomal protein L23a [Source:HGNC Symbol;Acc:HGNC:10317]	chr17:2704	NM_00098	.	.	.	NP_00097	.	protein_co	ENSG0000	6147	10317
RPL24	1174.02	1127.76	1210.21	1352.88	1022.61	1191.55	ribosomal protein L24 [Source:HGNC Symbol;Acc:HGNC:10325]	chr3:10139	NM_00098	.	.	.	NP_00097	.	protein_co	ENSG0000	6152	10325
RPL26	2539.83	2261.67	2540.5	2774.31	2096.93	2723.57	ribosomal protein L26 [Source:HGNC Symbol;Acc:HGNC:10327]	chr17:8280	NM_00098	XM_00525	.	.	NP_00097	XP_005256	protein_co	ENSG0000	6154	10327
RPL26L1	45.1494	43.3916	42.1138	57.3618	43.7956	43.7717	ribosomal protein L26 like 1 [Source:HGNC Symbol;Acc:HGNC:17	chr5:17238	NM_00131	XM_01700	.	.	NP_00130	XP_005265	protein_co	ENSG0000	51121	17050
RPL27	1427.42	1245.17	1296.32	1657.86	1228.27	1446.87	ribosomal protein L27 [Source:HGNC Symbol;Acc:HGNC:10328]	chr17:4115	NM_00098	.	.	.	NP_00097	.	protein_co	ENSG0000	6155	10328
RPL27A	2559.71	2371.26	2327.25	2621.74	2029.16	2425.07	ribosomal protein L27a [Source:HGNC Symbol;Acc:HGNC:10329]	chr11:8703	NM_00099	.	.	.	NP_00098	.	protein_co	ENSG0000	6157	10329
RPL28	1246.18	1237	1232.28	1527.11	1010.37	1046.63	ribosomal protein L28 [Source:HGNC Symbol;Acc:HGNC:10330]	chr19:5589	NM_00099	XM_00525	NR_10686	.	NP_00098	XP_005259	protein_co	ENSG0000	102465483	10330
RPL29	1133.35	1061.36	1142.69	1261.56	940.986	1069.07	ribosomal protein L29 [Source:HGNC Symbol;Acc:HGNC:10331]	chr3:52027	NM_00099	.	.	.	NP_00098	.	protein_co	ENSG0000	6159	10331
RPL3	1837.13	1761.12	2087.86	1904.74	1586.94	2063.68	ribosomal protein L3 [Source:HGNC Symbol;Acc:HGNC:10332]	chr22:3970	NM_00096	.	.	.	NP_00095	.	protein_co	ENSG0000	6122	10332
RPL30	2273.07	2035.36	2213.16	2396.19	1861.42	2284.03	ribosomal protein L30 [Source:HGNC Symbol;Acc:HGNC:10333]	chr8:99053	NM_00098	.	.	.	NP_00098	.	protein_co	ENSG0000	6156	10333
RPL31	1022.41	946.902	1046.57	1139.25	802.955	1081.41	ribosomal protein L31 [Source:HGNC Symbol;Acc:HGNC:10334]	chr2:10161	NM_00099	.	.	.	NP_00098	.	protein_co	ENSG0000	6160	10334
RPL32	1288.04	1191.95	1255.04	1490.65	1065.42	1344.58	ribosomal protein L32 [Source:HGNC Symbol;Acc:HGNC:10336]	chr3:12837	NM_00099	.	.	.	NP_00098	.	protein_co	ENSG0000	6161	10336
RPL34	1339.72	1259.96	1447.2	1574.05	1106.92	1505.37	ribosomal protein L34 [Source:HGNC Symbol;Acc:HGNC:10340]	chr4:10954	NM_00099	XM_00671	.	.	NP_00098	XP_005263	protein_co	ENSG0000	6164	10340
RPL35	1921.63	1766.7	1616.57	2453.01	1653.3	1761.39	ribosomal protein L35 [Source:HGNC Symbol;Acc:HGNC:10344]	chr9:12761	NM_00720	.	.	.	NP_00914	.	protein_co	ENSG0000	11224	10344
RPL35A	1147.68	1023.94	1103.03	1287.66	918.62	1141.58	ribosomal protein L35a [Source:HGNC Symbol;Acc:HGNC:10345]	chr3:19761	NM_00099	XM_00526	.	.	NP_00098	XP_005269	protein_co	ENSG0000	6165	10345
RPL36	1438.85	1365.55	1295.48	1557.33	1217.1	1275.18	ribosomal protein L36 [Source:HGNC Symbol;Acc:HGNC:13631]	chr19:5674	NM_01541	.	.	.	NP_05622	.	protein_co	ENSG0000	25873	13631
RPL36A	1871.47	1727.33	1790.11	2208.43	1609.36	1951.17	ribosomal protein L36a [Source:HGNC Symbol;Acc:HGNC:10359]	chrX:10064	NM_02102	.	.	.	NP_06635	.	protein_co	ENSG0000	6173	10359
RPL36A-HNRNPH2	2.1E-35	2.04878	2.49E-18	1.79E-45	0.721145	1.15E-29	RPL36A-HNRNPH2 readthrough [Source:HGNC Symbol;Acc:HGNC	chrX:10064	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	.	48349
RPL36AL	311.935	274.002	299.092	365.464	322.492	319.181	ribosomal protein L36a like [Source:HGNC Symbol;Acc:HGNC:103	chr14:5008	NM_00100	.	.	.	NP_00099	.	protein_co	ENSG0000	6166	10346
RPL37	1018.49	983.391	996.247	1103.29	693.745	921.885	ribosomal protein L37 [Source:HGNC Symbol;Acc:HGNC:10347]	chr5:40825	NM_00099	.	.	.	NP_00098	.	protein_co	ENSG0000	6167	10347
RPL37A	3362.39	3314.87	3300.27	4050.45	2926.96	3490.18	ribosomal protein L37a [Source:HGNC Symbol;Acc:HGNC:10348]	chr2:21736	NM_00099	.	.	.	NP_00098	.	protein_co	ENSG0000	6168	10348
RPL38	1782.5	1729.34	1637.17	2113.51	1516.25	1599.2	ribosomal protein L38 [Source:HGNC Symbol;Acc:HGNC:10349]	chr17:7219	NM_00099	.	.	.	NP_00099	.	protein_co	ENSG0000	6169	10349
RPL39	1045.73	919.555	915.635	1123.38	870.085	1066.28	ribosomal protein L39 [Source:HGNC Symbol;Acc:HGNC:10350]	chrX:11892	NM_00100	.	.	.	NP_00099	.	protein_co	ENSG0000	6170	10350
RPL39L	0	0	0	0	0	0	ribosomal protein L39 like [Source:HGNC Symbol;Acc:HGNC:1709	chr3:18683	NM_05296	.	.	.	NP_44320	.	protein_co	ENSG0000	116832	17094
RPL3L	0	0.107266	0.062107	0	0.041883	0.117267	ribosomal protein L3 like [Source:HGNC Symbol;Acc:HGNC:10351	chr16:1993	NM_00506	XM_01152	.	.	NP_00505	XP_01152	protein_co	ENSG0000	6123	10351
RPL4	1315.66	1206.94	1412.99	1457.29	1204.53	1569.92	ribosomal protein L4 [Source:HGNC Symbol;Acc:HGNC:10353]	chr15:6679	NM_00096	.	.	.	NP_00095	.	protein_co	ENSG0000	6124	10353
RPL41	3155.19	2971.84	2773.28	3422.15	2666.8	3001.39	ribosomal protein L41 [Source:HGNC Symbol;Acc:HGNC:10354]	chr12:5651	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	6171	10354
RPL5	1128.98	1061.71	1235.23	1252.72	1089.2	1358.93	ribosomal protein L5 [Source:HGNC Symbol;Acc:HGNC:10360]	chr1:93297	NM_00096	.	.	.	NP_00096	.	protein_co	ENSG0000	6125	10360
RPL6	1210.25	1113.92	1252.58	1276.35	1114.27	1270.7	ribosomal protein L6 [Source:HGNC Symbol;Acc:HGNC:10362]	chr12:1128	NM_00097	XM_01153	.	.	NP_00096	XP_006719	protein_co	ENSG0000	6128	10362
RPL7	1907.18	1640.27	2043.02	1962.38	1825.03	2237	ribosomal protein L7 [Source:HGNC Symbol;Acc:HGNC:10363]	chr8:74202	NM_00097	XM_00671	.	.	NP_00096	XP_006716	protein_co	ENSG0000	6129	10363
RPL7A	1752.17	1733.09	1918.11	2158.23	1676.94	1922.83	ribosomal protein L7a [Source:HGNC Symbol;Acc:HGNC:10364]	chr9:13621	NM_00097	.	.	.	NP_00096	.	protein_co	ENSG0000	6130	10364
RPL7L1	64.1124	61.9051	61.0061	69.1333	71.0656	59.358	ribosomal protein L7 like 1 [Source:HGNC Symbol;Acc:HGNC:213	chr6:42847	NM_19848	XM_01701	.	.	NP_94088	XP_005249	protein_co	ENSG0000	285855	21370
RPL8	2722.05	2729.41	2506.74	3218.03	2488.79	2580.01	ribosomal protein L8 [Source:HGNC Symbol;Acc:HGNC:10368]	chr8:14601	NM_00097	XM_01151	NR_10690	.	NP_00096	XP_011515	protein_co	ENSG0000	102465978	10368
RPL9	1362.43	1143.57	1445.88	1618	1287.76	1682.86	ribosomal protein L9 [Source:HGNC Symbol;Acc:HGNC:10369]	chr4:39455	NM_00066	XM_00526	.	.	NP_00065	XP_005262	protein_co	ENSG0000	6133	10369
RPLP0	2587.5	2476.42	2584.27	2879.72	2223.14	2586.02	ribosomal protein lateral stalk subunit P0 [Source:HGNC Symbol;	chr12:1206	NM_00100	.	.	.	NP_00099	.	protein_co	ENSG0000	6175	10371
RPLP1	2046.81	2071.78	1955.39	2243.72	1619.8	1674.99	ribosomal protein lateral stalk subunit P1 [Source:HGNC Symbol;	chr15:6974	NM_00100	.	.	.	NP_00099	.	protein_co	ENSG0000	6176	10372
RPLP2	1986.31	1873.13	1780.52	2232.12	1697.67	1871.1	ribosomal protein lateral stalk subunit P2 [Source:HGNC Symbol;	chr11:8096	NM_00100	.	.	.	NP_00099	.	protein_co	ENSG0000	6181	10377
RPN1	180.263	183.876	127.605	207.125	176.007	160.005	ribophorin I [Source:HGNC Symbol;Acc:HGNC:10381]	chr3:12833	NM_00295	.	.	.	NP_00294	.	protein_co	ENSG0000	6184	10381
RPN2	156.732	160.371	118.347	152.198	145.39	150.502	ribophorin II [Source:HGNC Symbol;Acc:HGNC:10382]	chr20:3572	NM_00113	XM_00672	.	.	NP_00112	XP_006723	protein_co	ENSG0000	6185	10382
RPP14	10.8516	11.3434	11.845	12.5324	12.3034	13.541	ribonuclease P/MRP subunit p14 [Source:HGNC Symbol;Acc:HGN	chr3:58291	NM_00109	XM_01153	.	.	NP_00109	XP_011531	protein_co	ENSG0000	11102	30327
RPP21	89.5799	80.2958	60.697	110.118	74.4794	47.9233	ribonuclease P/MRP subunit p21 [Source:HGNC Symbol;Acc:HGN	chr6:30294	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	79897	21300
RPP25	6.26381	5.37554	5.83107	6.20177	4.56464	4.0927	ribonuclease P/MRP subunit p25 [Source:HGNC Symbol;Acc:HGN	chr15:7524	NM_01779	.	.	.	NP_06026	.	protein_co	ENSG0000	54913	30361
RPP25L	60.5664	56.6353	54.7815	62.0666	45.4941	37.1607	ribonuclease P/MRP subunit p25 like [Source:HGNC Symbol;Acc:H	chr9:34610	NM_14817	.	.	.	NP_68054	.	protein_co	ENSG0000	138716	19909
RPP30	25.1556	26.1706	24.0925	28.8703	29.2093	28.5598	ribonuclease P/MRP subunit p30 [Source:HGNC Symbol;Acc:HGN	chr10:9263	NM_00110	XM_01153	.	.	NP_00109	XP_011537	protein_co	ENSG0000	10556	17688
RPP38	26.6831	24.9252	27.6095	29.2878	25.8142	24.0004	ribonuclease P/MRP subunit p38 [Source:HGNC Symbol;Acc:HGN	chr10:1513	NM_00109	XM_01701	.	.	NP_00109	XP_006717	protein_co	ENSG0000	10557	30329
RPP40	11.5579	11.2712	10.437	13.0349	12.0546	11.597	ribonuclease P/MRP subunit p40 [Source:HGNC Symbol;Acc:HGN	chr6:49949	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	10799	20992
RPRD1A	35.1164	34.0995	35.1353	30.1234	36.2546	40.7325	regulation of nuclear pre-mRNA domain containing 1A [Source:H	chr18:3356	NM_00130	XM_01152	.	.	NP_00129	XP_011524	protein_co	ENSG0000	55197	25560
RPRD1B	12.2389	13.9841	12.3978	13.1731	13.7783	13.225	regulation of nuclear pre-mRNA domain containing 1B [Source:H	chr20:3666	NM_02121	.	.	.	NP_06703	.	protein_co	ENSG0000	58490	16209
RPRD2	9.90624	9.13409	7.79883	8.71135	8.83225	8.95597	regulation of nuclear pre-mRNA domain containing 2 [Source:HG	chr1:15033	NM_00129	XM_01700	.	.	NP_00128	XP_005245	protein_co	ENSG0000	23248	29039
RPRM	0.558089	0.155596	0.203602	0.171448	0	0.174271	reprimo, TP53 dependent G2 arrest mediator candidate [Source:	chr2:15433	NM_01984	.	.	.	NP_06281	.	protein_co	ENSG0000	56475	24201
RPRML	0.417728	0.261747	0.699985	0.588793	0.666096	0.158502	reprimo like [Source:HGNC Symbol;Acc:HGNC:32422]	chr17:4505	NM_20340	.	.	.	NP_98194	.	protein_co	ENSG0000	388394	32422
RPS10	1459.86	1373.38	1435.9	1802.87	1275.99	1517.4	ribosomal protein S10 [Source:HGNC Symbol;Acc:HGNC:10383]	chr6:34247	NM_00101	.	.	.	NP_00100	.	protein_co	ENSG0000	6204	10383

RPS10-NUDT3	3.95469	6.6043	2.53881	7.47005	3.92421	10.0005	RPS10-NUDT3 readthrough [Source:HGNC Symbol;Acc:HGNC:491	chr6:34247	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	100529239	49181
RPS11	2393.32	2178.22	2219.44	2737.6	1982.65	2380.04	ribosomal protein S11 [Source:HGNC Symbol;Acc:HGNC:10384]	chr19:4999	NM_00101	.	.	.	NP_00100	.	protein_co	ENSG0000	6205	10384
RPS12	3332.31	2975.74	3031.99	3037.43	2500.19	2895.49	ribosomal protein S12 [Source:HGNC Symbol;Acc:HGNC:10385]	chr6:13313	NM_00101	.	.	.	NP_00100	.	protein_co	ENSG0000	6206	10385
RPS13	1271.29	1147.93	1277.46	1267.45	1166.39	1378.45	ribosomal protein S13 [Source:HGNC Symbol;Acc:HGNC:10386]	chr11:1709	NM_00101	.	.	.	NP_00100	.	protein_co	ENSG0000	6207	10386
RPS14	744.563	663.987	729.972	868.613	635.191	761.314	ribosomal protein S14 [Source:HGNC Symbol;Acc:HGNC:10387]	chr5:14982	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	6208	10387
RPS15	1239.29	1272.78	1135.8	1622.6	1134.33	1033.17	ribosomal protein S15 [Source:HGNC Symbol;Acc:HGNC:10388]	chr19:1438	NM_00101	XM_01152	.	.	NP_00100	XP_01152	protein_co	ENSG0000	6209	10388
RPS15A	1623.9	1465	1624.63	1945.99	1420.53	1856.27	ribosomal protein S15a [Source:HGNC Symbol;Acc:HGNC:10389]	chr16:1879	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	6210	10389
RPS16	1879.26	1735.17	1867.7	2047.34	1541.27	1708.93	ribosomal protein S16 [Source:HGNC Symbol;Acc:HGNC:10396]	chr19:3992	NM_00102	XM_00525	.	.	NP_00101	XP_00525	protein_co	ENSG0000	6217	10396
RPS17	1788.25	1692.34	1774.12	2099.27	1516.9	1859.68	ribosomal protein S17 [Source:HGNC Symbol;Acc:HGNC:10397]	chr15:8320	NM_00102	.	NR_11194	.	NP_00101	.	protein_co	ENSG0000	6218	10397
RPS18	3675.13	3377.26	3470.65	3850.98	2917.56	3783.57	ribosomal protein S18 [Source:HGNC Symbol;Acc:HGNC:10401]	chr6:33239	NM_02255	.	.	.	NP_07204	.	protein_co	ENSG0000	6222	10401
RPS19	2469.17	2293.24	2223.99	2760.98	1894.46	2094.16	ribosomal protein S19 [Source:HGNC Symbol;Acc:HGNC:10402]	chr19:4236	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	6223	10402
RPS19BP1	100.655	104.01	76.9427	138.986	104.981	77.2631	ribosomal protein S19 binding protein 1 [Source:HGNC Symbol;Ac	chr22:3992	NM_19432	.	.	.	NP_91930	.	protein_co	ENSG0000	91582	28749
RPS2	3646.19	3486.17	3677.25	4229.79	3229.97	3847.51	ribosomal protein S2 [Source:HGNC Symbol;Acc:HGNC:10404]	chr16:2012	NM_00295	.	.	.	NP_00294	.	protein_co	ENSG0000	6187	10404
RPS20	2278.11	2086.31	2278.91	2383.9	1868.9	2168.93	ribosomal protein S20 [Source:HGNC Symbol;Acc:HGNC:10405]	chr8:56979	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	6224	10405
RPS21	2639.75	2463.72	2521.17	2707.03	2151.26	2220.95	ribosomal protein S21 [Source:HGNC Symbol;Acc:HGNC:10409]	chr20:6096	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	6227	10409
RPS23	2082.45	1936.9	2091.93	2137.43	1729.52	2064.37	ribosomal protein S23 [Source:HGNC Symbol;Acc:HGNC:10410]	chr5:81569	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	6228	10410
RPS24	2840.45	2418.88	2651.19	2910.94	2418.64	3027.37	ribosomal protein S24 [Source:HGNC Symbol;Acc:HGNC:10411]	chr10:7979	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	6229	10411
RPS25	1295.01	1130.37	1242.09	1324.11	1027.96	1308.01	ribosomal protein S25 [Source:HGNC Symbol;Acc:HGNC:10413]	chr11:1188	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	6230	10413
RPS26	648.493	623.496	590.026	894.24	624.557	615.573	ribosomal protein S26 [Source:HGNC Symbol;Acc:HGNC:10414]	chr12:5643	NM_00102	.	.	.	NP_00102	XP_00527	protein_co	ENSG0000	101929876	10414
RPS27	4661.42	4257.56	4479.77	4867.26	3338.48	4512.78	ribosomal protein S27 [Source:HGNC Symbol;Acc:HGNC:10416]	chr1:15396	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	6232	10416
RPS27A	1553.42	1431.94	1476.34	1755.69	1394.25	1591.78	ribosomal protein S27a [Source:HGNC Symbol;Acc:HGNC:10417]	chr2:55402	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	6233	10417
RPS27L	179.983	161.866	190.415	177.349	151.481	126.74	ribosomal protein S27 like [Source:HGNC Symbol;Acc:HGNC:1847	chr15:6344	NM_01592	.	.	.	NP_05700	.	protein_co	ENSG0000	51065	18476
RPS28	394.427	401.767	383.535	431.468	318.302	318.573	ribosomal protein S28 [Source:HGNC Symbol;Acc:HGNC:10418]	chr19:8386	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	6234	10418
RPS29	3412.28	3071.6	3024.24	3878.33	2916.36	3276.81	ribosomal protein S29 [Source:HGNC Symbol;Acc:HGNC:10419]	chr14:5003	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	6235	10419
RPS3	2613.31	2465.45	2586.92	2898.63	2211.01	2455.09	ribosomal protein S3 [Source:HGNC Symbol;Acc:HGNC:10420]	chr11:7511	NM_00100	.	.	.	NP_00099	.	protein_co	ENSG0000	6188	10420
RPS3A	1412.07	1296.55	1495.1	1579.72	1254.94	1676.98	ribosomal protein S3A [Source:HGNC Symbol;Acc:HGNC:10421]	chr4:15202	NM_00100	.	.	.	NP_00099	.	protein_co	ENSG0000	6189	10421
RPS4X	1025.24	954.899	1055.96	1091.22	892.467	1124.98	ribosomal protein S4, X-linked [Source:HGNC Symbol;Acc:HGNC:1	chrX:71491	NM_00100	.	.	.	NP_00099	.	protein_co	ENSG0000	6191	10424
RPS4Y1	24.9541	23.5364	23.6026	0	0	0	ribosomal protein S4, Y-linked 1 [Source:HGNC Symbol;Acc:HGNC	chrY:27095	NM_00100	.	.	.	NP_00099	XP_01688	protein_co	ENSG0000	6192	10425
RPS4Y2	0	0	0.076637	0	0	0	ribosomal protein S4, Y-linked 2 [Source:HGNC Symbol;Acc:HGNC	chrY:22918	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	140032	18501
RPS5	1500.58	1426.14	1512.3	1806.47	1299.78	1360.44	ribosomal protein S5 [Source:HGNC Symbol;Acc:HGNC:10426]	chr19:5889	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	6193	10426
RPS6	1562.08	1465.31	1654.52	1616.87	1268.79	1624.87	ribosomal protein S6 [Source:HGNC Symbol;Acc:HGNC:10429]	chr9:19375	NM_00101	.	.	.	NP_00100	.	protein_co	ENSG0000	6194	10429
RPS6KA1	21.9346	23.3725	24.886	15.0098	14.912	12.1001	ribosomal protein S6 kinase A1 [Source:HGNC Symbol;Acc:HGNC:	chr1:26856	NM_00100	XM_01154	.	.	NP_00100	XP_00524	protein_co	ENSG0000	6195	10430
RPS6KA2	2.61678	2.92489	3.80696	2.92849	2.99645	3.95457	ribosomal protein S6 kinase A2 [Source:HGNC Symbol;Acc:HGNC:	chr6:16682	NM_00100	XM_01153	.	.	NP_00100	XP_00526	protein_co	ENSG0000	6196	10431
RPS6KA3	8.67436	9.28654	10.6746	8.23526	11.5697	13.9819	ribosomal protein S6 kinase A3 [Source:HGNC Symbol;Acc:HGNC:	chrX:20168	NM_00458	XM_01702	.	.	NP_00457	XP_00527	protein_co	ENSG0000	6197	10432
RPS6KA4	36.9157	42.9407	34.9537	47.73	41.3884	30.4224	ribosomal protein S6 kinase A4 [Source:HGNC Symbol;Acc:HGNC:	chr11:6412	NM_00100	XM_00527	.	.	NP_00100	XP_00527	protein_co	ENSG0000	8986	10433
RPS6KA5	4.75377	4.84285	6.04414	3.59484	3.95436	5.94498	ribosomal protein S6 kinase A5 [Source:HGNC Symbol;Acc:HGNC:	chr14:9131	NM_00475	.	.	.	NP_00130	.	protein_co	ENSG0000	9252	10434
RPS6KA6	0	0	0	0	0	0	ribosomal protein S6 kinase A6 [Source:HGNC Symbol;Acc:HGNC:	chrX:83313	NM_01449	XM_01153	.	.	NP_05531	XP_01152	protein_co	ENSG0000	27330	10435
RPS6KB1	25.1152	26.4539	25.2145	23.1027	25.2612	22.649	ribosomal protein S6 kinase B1 [Source:HGNC Symbol;Acc:HGNC:	chr17:5797	NM_00127	XM_01152	.	.	NP_00125	XP_01152	protein_co	ENSG0000	6198	10436
RPS6KB2	27.1225	25.5001	25.1269	28.8084	27.1916	18.8444	ribosomal protein S6 kinase B2 [Source:HGNC Symbol;Acc:HGNC:	chr11:6719	NM_00395	XM_01701	.	.	NP_00394	XP_00527	protein_co	ENSG0000	6199	10437
RPS6KC1	9.22015	8.91376	10.587	9.63499	10.9265	11.8865	ribosomal protein S6 kinase C1 [Source:HGNC Symbol;Acc:HGNC:	chr1:21322	NM_00113	XM_01700	.	.	NP_00112	XP_00527	protein_co	ENSG0000	26750	10439
RPS6KL1	1.95644	2.80421	2.54454	1.72079	1.46245	2.03141	ribosomal protein S6 kinase like 1 [Source:HGNC Symbol;Acc:HGN	chr14:7537	NM_03146	XM_01153	.	.	NP_11365	XP_00526	protein_co	ENSG0000	83694	20222
RPS7	1475.51	1330.54	1512.4	1755.55	1320.4	1563.94	ribosomal protein S7 [Source:HGNC Symbol;Acc:HGNC:10440]	chr2:36227	NM_00101	.	.	.	NP_00100	.	protein_co	ENSG0000	6201	10440
RPS8	1629.34	1500.47	1646.62	1746.24	1446.38	1724.53	ribosomal protein S8 [Source:HGNC Symbol;Acc:HGNC:10441]	chr1:45241	NM_00101	.	.	.	NP_00100	.	protein_co	ENSG0000	6202	10441
RPS9	1323.72	1305.54	1311.52	1705.65	1194.67	1198.39	ribosomal protein S9 [Source:HGNC Symbol;Acc:HGNC:10442]	chr19:5470	NM_00101	XM_00527	.	.	NP_00100	XP_00527	protein_co	ENSG0000	6203	10442
RPSA	2020.52	1854.33	1933.91	2316.21	1717.22	2058.53	ribosomal protein SA [Source:HGNC Symbol;Acc:HGNC:6502]	chr3:39448	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	3921	6502
RPTN	0	0	0	0	0	0	repetin [Source:HGNC Symbol;Acc:HGNC:26809]	chr1:15212	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	126638	26809
RPTOR	15.3509	16.2203	15.2371	15.8065	15.7632	15.4076	regulatory associated protein of MTOR complex 1 [Source:HGNC	chr17:7851	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	57521	30287
RPUSD1	55.3919	53.0097	51.9847	59.6685	51.2284	36.1076	RNA pseudouridylate synthase domain containing 1 [Source:HGN	chr16:8349	NM_00132	XM_01152	.	.	NP_00131	.	protein_co	ENSG0000	113000	14173
RPUSD2	16.7223	14.9381	14.4169	18.6814	14.814	12.5609	RNA pseudouridylate synthase domain containing 2 [Source:HGN	chr15:4086	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	27079	24180
RPUSD3	31.6077	32.7863	28.0726	32.0841	24.1386	23.2548	RNA pseudouridylate synthase domain containing 3 [Source:HGN	chr3:98215	NM_00114	XM_01153	.	.	NP_00113	XP_01153	protein_co	ENSG0000	285367	28437
RPUSD4	23.1285	24.7556	25.5176	27.7487	27.1016	18.2731	RNA pseudouridylate synthase domain containing 4 [Source:HGN	chr11:1260	NM_00114	XM_01154	.	.	NP_00113	XP_01154	protein_co	ENSG0000	84881	25898
RRAD	2.53574	2.23199	3.33409	1.88997	2.19149	1.70126	RRAD, Ras related glycolysis inhibitor and calcium channel regula	chr16:6695	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	6236	10446
RRAGA	47.4162	44.8382	51.5997	55.0092	46.9195	51.6105	Ras related GTP binding A [Source:HGNC Symbol;Acc:HGNC:1696	chr9:19049	NM_00657	.	.	.	NP_00656	.	protein_co	ENSG0000	10670	16963
RRAGB	4.36424	4.01156	3.38156	3.61454	4.51907	3.77643	Ras related GTP binding B [Source:HGNC Symbol;Acc:HGNC:1990	chrX:55744	NM_00606	XM_00526	.	.	NP_00605	XP_00526	protein_co	ENSG0000	10325	19901
RRAGC	8.24056	7.42012	8.84002	7.53381	8.46973	10.8883	Ras related GTP binding C [Source:HGNC Symbol;Acc:HGNC:1990	chr1:39303	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	64121	19902
RRAGD	4.77678	5.15745	6.99086	4.60578	5.20233	6.34871	Ras related GTP binding D [Source:HGNC Symbol;Acc:HGNC:1990	chr6:90074	NM_02124	XM_01153	.	.	NP_06706	XP_00524	protein_co	ENSG0000	58528	19903
RRAS	48.7533	49.3622	52.9403	45.681	32.9602	46.1082	related RAS viral (r-ras) oncogene homolog [Source:HGNC Symbo	chr19:5013	NM_00627	.	.	.	NP_00626	.	protein_co	ENSG0000	6237	10447
RRAS2	27.158	27.2514	27.7951	28.3915	27.6326	31.4999	related RAS viral (r-ras) oncogene homolog 2 [Source:HGNC Symb	chr11:1429	NM_00110	XM_01701	.	.	NP_00109	XP_01687	protein_co	ENSG0000	22800	17271
RRBP1	34.1543	35.2286	35.1199	33.6182	31.386	31.6947	ribosome binding protein 1 [Source:HGNC Symbol;Acc:HGNC:104	chr20:1759	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	6238	10448

RREB1	7.12684	7.56925	7.14964	6.2566	6.961	8.81729	ras responsive element binding protein 1 [Source:HGNC Symbol;A	chr6:71078	NM_00100	XM_01151	.	.	NP_00100	XP_005249	protein_co	ENSG0000	6239	10449
RRH	0.06213	0.332219	0.053712	0.070507	0.138739	0.245095	retinal pigment epithelium-derived rhodopsin homolog [Source:H	chr4:11074	NM_00658	.	.	.	NP_00657	.	protein_co	ENSG0000	10692	10450
RRM1	67.8862	67.7491	59.7025	86.7295	88.4954	71.8931	ribonucleotide reductase catalytic subunit M1 [Source:HGNC Sym	chr11:4116	NM_00103	XM_01152	.	.	NP_00102	XP_011518	protein_co	ENSG0000	6240	10451
RRM2	169.061	165.367	130.854	238.013	242.31	196.922	ribonucleotide reductase regulatory subunit M2 [Source:HGNC Sy	chr2:10262	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	6241	10452
RRM2B	27.1738	28.3518	36.1693	29.0985	34.9863	40.8249	ribonucleotide reductase regulatory TP53 inducible subunit M2B	chr8:10321	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	50484	17296
RRN3	36.094	37.3188	34.434	42.3579	44.6414	39.0366	RRN3 homolog, RNA polymerase I transcription factor [Source:HG	chr16:1506	NM_00130	XM_01152	.	.	NP_00128	XP_005255	protein_co	ENSG0000	54700	30346
RRNAD1	8.85679	8.06001	11.9137	8.67391	8.29697	10.5117	ribosomal RNA adenine dimethylase domain containing 1 [Source	chr1:15669	NM_00114	XM_01150	.	.	NP_00113	XP_005245	protein_co	ENSG0000	51093	24273
RRP1	19.5538	20.3095	18.74	24.3882	22.3196	13.2563	ribosomal RNA processing 1 [Source:HGNC Symbol;Acc:HGNC:18	chr21:4520	NM_00368	XM_01152	.	.	NP_00367	.	protein_co	ENSG0000	8568	18785
RRP12	17.4673	19.5248	15.7237	16.9767	14.837	15.2123	ribosomal RNA processing 12 homolog [Source:HGNC Symbol;Acc	chr10:9911	NM_00114	XM_01153	.	.	NP_00113	XP_011537	protein_co	ENSG0000	23223	29100
RRP15	8.75527	7.8967	6.76865	9.30905	10.1022	7.23219	ribosomal RNA processing 15 homolog [Source:HGNC Symbol;Acc	chr1:21845	NM_01605	.	.	.	NP_05713	.	protein_co	ENSG0000	51018	24255
RRP1B	28.8325	30.3528	31.7495	35.0035	37.8243	25.8036	ribosomal RNA processing 1B [Source:HGNC Symbol;Acc:HGNC:2	chr21:4507	NM_01505	.	.	.	NP_05587	.	protein_co	ENSG0000	23076	23818
RRP36	52.046	50.4829	48.5034	65.2581	52.7205	42.1869	ribosomal RNA processing 36 [Source:HGNC Symbol;Acc:HGNC:2	chr6:42989	NM_00132	.	.	.	NP_00131	.	protein_co	ENSG0000	88745	21374
RRP7A	23.0245	22.3409	19.2737	26.4174	22.9659	14.5747	ribosomal RNA processing 7 homolog A [Source:HGNC Symbol;Ac	chr22:4290	NM_01570	.	.	.	NP_05651	.	protein_co	ENSG0000	27341	24286
RRP8	7.44092	9.74209	6.86281	9.62989	6.41901	5.04175	ribosomal RNA processing 8, methyltransferase, homolog (yeast)	chr11:6616	NM_01532	.	.	.	NP_05613	XP_011518	protein_co	ENSG0000	23378	29030
RRP9	56.4771	56.9412	46.0883	78.3892	59.8912	41.2009	ribosomal RNA processing 9, small subunit (SSU) processome con	chr3:51967	NM_00470	.	.	.	NP_00469	.	protein_co	ENSG0000	9136	16829
RRS1	44.6852	49.6791	43.6157	50.7266	54.7742	35.9268	ribosome biogenesis regulator homolog [Source:HGNC Symbol;Ac	chr8:67341	NM_01516	.	.	.	NP_05598	.	protein_co	ENSG0000	23212	17083
RS1	0	0	0	0	0	0	retinoschisin 1 [Source:HGNC Symbol;Acc:HGNC:10457]	chrX:18443	NM_00033	.	.	.	NP_00032	.	protein_co	ENSG0000	6247	10457
RSAD1	47.6965	45.1552	48.2644	38.7313	35.0322	31.0812	radical S-adenosyl methionine domain containing 1 [Source:HGN	chr17:4855	NM_01834	XM_01152	.	.	NP_06081	XP_011523	protein_co	ENSG0000	55316	25634
RSAD2	0.714291	0.66955	0.017777	0.27611	0.409892	0.527643	radical S-adenosyl methionine domain containing 2 [Source:HGN	chr2:70177	NM_08065	XM_01151	.	.	NP_54238	XP_011508	protein_co	ENSG0000	91543	30908
RSBN1	4.86686	5.88469	6.01334	5.92099	6.56624	7.31135	round spermatid basic protein 1 [Source:HGNC Symbol;Acc:HGNC	chr1:11430	NM_01836	.	.	.	NP_06083	.	protein_co	ENSG0000	54665	25642
RSBN1L	6.3824	6.17642	6.78969	6.42375	7.21413	7.92105	round spermatid basic protein 1 like [Source:HGNC Symbol;Acc:H	chr7:77325	NM_19846	.	.	.	NP_94086	.	protein_co	ENSG0000	222194	24765
RSC1A1	1.69946	1.41165	1.32779	2.12579	2.26352	1.97104	regulatory solute carrier protein, family 1, member 1 [Source:HG	chr1:15943	NM_00651	.	.	.	NP_00650	.	protein_co	ENSG0000	6248	10458
RSF1	8.25891	8.12511	8.13466	8.17606	8.81698	10.2209	remodeling and spacing factor 1 [Source:HGNC Symbol;Acc:HGNC	chr11:7737	NM_01657	XM_00527	.	.	NP_05766	XP_005274	protein_co	ENSG0000	51773	18118
RSG1	2.80594	2.73859	3.05131	2.40668	2.7569	1.95002	REM2 and RAB like small GTPase 1 [Source:HGNC Symbol;Acc:HG	chr1:16558	NM_03090	XM_01154	.	.	NP_11216	XP_011540	protein_co	ENSG0000	79363	28127
RSL1D1	51.2652	48.9806	50.0384	56.4487	55.9636	49.3703	ribosomal L1 domain containing 1 [Source:HGNC Symbol;Acc:HGN	chr16:1192	NM_01565	.	.	.	NP_05647	.	protein_co	ENSG0000	26156	24534
RSL24D1	85.583	77.7127	73.4462	78.8922	76.8871	136.935	ribosomal L24 domain containing 1 [Source:HGNC Symbol;Acc:HG	chr15:5547	NM_01630	.	.	.	NP_05738	.	protein_co	ENSG0000	51187	18479
RSPH1	0.755508	0.887048	1.06638	0.780658	0.907183	1.02476	radial spoke head 1 homolog [Source:HGNC Symbol;Acc:HGNC:12	chr21:4389	NM_00128	XM_01152	.	.	NP_00127	XP_005261	protein_co	ENSG0000	89765	12371
RSPH10B	0.04491	0.023537	0.056761	0.025153	0.075513	0.022655	radial spoke head 10 homolog B [Source:HGNC Symbol;Acc:HGNC	chr7:59383	NM_17356	XM_01151	.	.	NP_77583	XP_005249	protein_co	ENSG0000	222967	27362
RSPH10B2	0	0	0	0	0	0.021154	radial spoke head 10 homolog B2 [Source:HGNC Symbol;Acc:HGN	chr7:67937	NM_00109	XM_01151	.	.	NP_00109	XP_005249	protein_co	ENSG0000	728194	34385
RSPH14	0.177003	0.441517	0.576471	0.441746	0.072166	0.135379	radial spoke head 14 homolog [Source:HGNC Symbol;Acc:HGNC:1	chr22:2340	NM_01443	XM_01153	.	.	NP_05524	XP_011528	protein_co	ENSG0000	27156	13437
RSPH3	5.69764	5.27304	7.48472	4.13943	3.86737	6.00315	radial spoke 3 homolog [Source:HGNC Symbol;Acc:HGNC:21054]	chr6:15939	NM_03192	XM_00526	.	.	NP_11413	XP_005267	protein_co	ENSG0000	83861	21054
RSPH4A	0.21318	0.140287	0.175052	0.124553	0.309518	0.177447	radial spoke head 4 homolog A [Source:HGNC Symbol;Acc:HGNC:	chr6:11693	NM_00101	XM_01153	.	.	NP_00101	XP_011534	protein_co	ENSG0000	345895	21558
RSPH6A	0	0	0	0	0	0	radial spoke head 6 homolog A [Source:HGNC Symbol;Acc:HGNC:	chr19:4629	NM_03078	XM_01152	.	.	NP_11041	XP_011525	protein_co	ENSG0000	81492	14241
RSPH9	0.06011	0	0.025792	0.130724	0.034517	0	radial spoke head 9 homolog [Source:HGNC Symbol;Acc:HGNC:21	chr6:43612	NM_00119	XM_00524	.	.	NP_00118	XP_005248	protein_co	ENSG0000	221421	21057
RSPO1	0.028238	0.05744	0.207797	0.14525	0.032465	0.058662	R-spondin 1 [Source:HGNC Symbol;Acc:HGNC:21679]	chr1:38076	NM_00103	XM_00671	.	.	NP_00103	XP_006710	protein_co	ENSG0000	284654	21679
RSPO2	0	0.032451	0	0	0	0	R-spondin 2 [Source:HGNC Symbol;Acc:HGNC:28583]	chr8:10891	NM_00128	XM_01701	.	.	NP_00126	XP_011515	protein_co	ENSG0000	340419	28583
RSPO3	0	0	0	0	0	0	R-spondin 3 [Source:HGNC Symbol;Acc:HGNC:20866]	chr6:12743	NM_03278	.	.	.	NP_11617	.	protein_co	ENSG0000	84870	20866
RSPO4	0.677933	0.394623	0.965392	0.750128	0.432987	0.372237	R-spondin 4 [Source:HGNC Symbol;Acc:HGNC:16175]	chr20:9390	NM_00102	XM_01152	.	.	NP_00102	.	protein_co	ENSG0000	343637	16175
RSPRY1	11.4203	11.5776	10.581	12.6042	13.2741	12.3347	ring finger and SPRY domain containing 1 [Source:HGNC Symbol;	chr16:5722	NM_00130	XM_01152	.	.	NP_00129	XP_005256	protein_co	ENSG0000	89970	29420
RSRC1	12.8348	14.0699	14.1458	13.2824	13.1287	12.5672	arginine and serine rich coiled-coil 1 [Source:HGNC Symbol;Acc:H	chr3:15781	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	51319	24152
RSRC2	22.4048	21.3026	17.8476	18.1292	18.5598	20.9876	arginine and serine rich coiled-coil 2 [Source:HGNC Symbol;Acc:H	chr12:1229	NM_02301	XM_01153	.	.	NP_07538	XP_005253	protein_co	ENSG0000	65117	30559
RSRP1	24.0512	21.4071	22.8132	16.0576	17.3098	9.18177	arginine and serine rich protein 1 [Source:HGNC Symbol;Acc:HGN	chr1:25568	NM_02031	XM_01154	NR_13514	.	NP_00130	XP_011540	protein_co	ENSG0000	57035	25234
RSU1	12.1893	13.6022	10.7876	14.8966	11.8941	10.9051	Ras suppressor protein 1 [Source:HGNC Symbol;Acc:HGNC:10464	chr10:1663	NM_01242	.	.	.	NP_03655	.	protein_co	ENSG0000	6251	10464
RTBDN	9.73932	9.39284	9.48032	7.18995	4.00378	4.82914	retbindin [Source:HGNC Symbol;Acc:HGNC:30310]	chr19:1293	NM_00108	XM_01702	.	.	NP_00107	XP_005260	protein_co	ENSG0000	83546	30310
RTCA	18.3883	19.6863	14.8745	18.6602	19.0638	16.4232	RNA 3'-terminal phosphate cyclase [Source:HGNC Symbol;Acc:HG	chr1:10073	NM_00113	XM_00527	.	.	NP_00112	XP_005271	protein_co	ENSG0000	8634	17981
RTCB	38.3605	37.9413	31.0152	44.1663	36.2564	31.5797	RNA 2',3'-cyclic phosphate and 5'-OH ligase [Source:HGNC Symbo	chr22:3278	NM_01430	.	.	.	NP_05512	.	protein_co	ENSG0000	51493	26935
RTEL1	12.5168	12.7652	11.8193	12.1805	11.2386	6.64407	regulator of telomere elongation helicase 1 [Source:HGNC Symbo	chr20:6228	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	51750	15888
RTF1	11.8119	12.3295	12.4882	12.688	13.2601	11.4063	RTF1 homolog, Paf1/RNA polymerase II complex component [Sou	chr15:4170	NM_01513	.	.	.	NP_05595	.	protein_co	ENSG0000	23168	28996
RTFDC1	46.1835	46.7477	45.2023	51.8537	47.3328	39.7255	replication termination factor 2 domain containing 1 [Source:HGN	chr20:5504	NM_00128	XM_01152	.	.	NP_00126	.	protein_co	ENSG0000	51507	15890
RTKN	31.6783	33.8235	29.3405	30.992	26.5946	25.3889	rhotekin [Source:HGNC Symbol;Acc:HGNC:10466]	chr2:74652	NM_00101	XM_00526	.	.	NP_00101	XP_005264	protein_co	ENSG0000	6242	10466
RTKN2	1.96756	2.24025	2.33757	3.84188	4.64605	5.22126	rhotekin 2 [Source:HGNC Symbol;Acc:HGNC:19364]	chr10:6394	NM_00128	XM_01153	.	.	NP_00126	XP_011537	protein_co	ENSG0000	219790	19364
RTL1	0	0.016164	0	0	0.018813	0	retrotransposon-like 1 [Source:HGNC Symbol;Acc:HGNC:14665]	chr14:1013	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	388015	14665
RTN1	0.440142	0.573796	0.28616	0.060986	0.031474	0.123198	reticulon 1 [Source:HGNC Symbol;Acc:HGNC:10467]	chr14:6006	NM_02113	.	.	.	NP_06695	XP_016877	protein_co	ENSG0000	6252	10467
RTN2	10.1756	9.02918	11.5011	7.91226	7.62312	10.8668	reticulon 2 [Source:HGNC Symbol;Acc:HGNC:10468]	chr19:4598	NM_00561	.	.	.	NP_00561	.	protein_co	ENSG0000	6253	10468
RTN3	72.7092	73.056	65.5311	72.4279	75.0212	89.6218	reticulon 3 [Source:HGNC Symbol;Acc:HGNC:10469]	chr11:6344	NM_00126	XM_01154	.	.	NP_00125	XP_011543	protein_co	ENSG0000	10313	10469
RTN4	133.967	135.704	116.718	152.58	183.021	201.656	reticulon 4 [Source:HGNC Symbol;Acc:HGNC:14085]	chr2:55199	NM_00132	XM_01700	.	.	NP_00130	XP_005264	protein_co	ENSG0000	57142	14085
RTN4IP1	6.33335	5.93752	7.22464	7.84612	6.79995	7.50542	reticulon 4 interacting protein 1 [Source:HGNC Symbol;Acc:HGNC	chr6:10680	NM_03273	XM_01153	.	.	NP_11611	XP_016866	protein_co	ENSG0000	84816	18647
RTN4R	17.1157	15.4581	14.5151	14.7765	12.3633	16.9325	reticulon 4 receptor [Source:HGNC Symbol;Acc:HGNC:18601]	chr22:2022	NM_02300	.	.	.	NP_07538	.	protein_co	ENSG0000	65078	18601
RTN4RL1	2.84566	3.29845	4.02785	3.07525	2.25555	1.02848	reticulon 4 receptor like 1 [Source:HGNC Symbol;Acc:HGNC:2132	chr17:1837	NM_17856	.	.	.	NP_84866	.	protein_co	ENSG0000	146760	21329

RTN4RL2	19.489	15.9869	16.7979	20.4549	17.6494	19.5918	reticulon 4 receptor-like 2 [Source:HGNC Symbol;Acc:HGNC:2305	chr11:5722	NM_17857	.	.	.	NP_84866	.	protein_co	ENSG0000	349667	23053
RTP1	0	0.076504	0	0	0	0	receptor transporter protein 1 [Source:HGNC Symbol;Acc:HGNC:2	chr3:18691	NM_15370	.	.	.	NP_71491	.	protein_co	ENSG0000	132112	28580
RTP2	0	0	0	0	0	0	receptor transporter protein 2 [Source:HGNC Symbol;Acc:HGNC:3	chr3:18741	NM_00100	XM_01151	.	.	NP_00100	XP_011511	protein_co	ENSG0000	344892	32486
RTP3	0	0	0	0	0	0	receptor transporter protein 3 [Source:HGNC Symbol;Acc:HGNC:1	chr3:46538	NM_03144	.	.	.	NP_11362	.	protein_co	ENSG0000	83597	15572
RTP4	0.095012	0	0	0.053185	0.05333	0.047842	receptor transporter protein 4 [Source:HGNC Symbol;Acc:HGNC:2	chr3:18708	NM_02214	.	.	.	NP_07143	.	protein_co	ENSG0000	64108	23992
RTP5	0	0	0	0	0	0	receptor transporter protein 5 (putative) [Source:HGNC Symbol;A	chr2:24281	NM_17382	XM_01151	.	.	NP_77618	XP_011509	protein_co	ENSG0000	285093	26585
RTTN	4.38961	4.39567	5.80866	5.01075	5.52008	6.39531	rotatin [Source:HGNC Symbol;Acc:HGNC:18654]	chr18:6767	NM_00131	XM_01702	.	.	NP_00130	XP_006722	protein_co	ENSG0000	25914	18654
RUBCN	6.06964	6.78325	6.48245	5.67878	5.38055	5.47876	RUN and cysteine rich domain containing beclin 1 interacting pro	chr3:19739	NM_00114	XM_00671	NR_03062	.	NP_00113	XP_005269	protein_co	ENSG0000	100126321	28991
RUFY1	13.4863	13.1177	12.0192	11.3161	10.1433	10.7501	RUN and FYVE domain containing 1 [Source:HGNC Symbol;Acc:H	chr5:17897	NM_00104	XM_00671	.	.	NP_00103	XP_006714	protein_co	ENSG0000	80230	19760
RUFY2	3.485	3.91281	3.87611	2.49258	3.50528	3.64655	RUN and FYVE domain containing 2 [Source:HGNC Symbol;Acc:H	chr10:7010	NM_00104	XM_01153	.	.	NP_00103	XP_005270	protein_co	ENSG0000	55680	19761
RUFY3	6.27081	5.43555	6.71632	5.25758	5.67423	6.38249	RUN and FYVE domain containing 3 [Source:HGNC Symbol;Acc:H	chr4:71570	NM_00103	XM_01153	.	.	NP_00103	XP_005265	protein_co	ENSG0000	22902	30285
RUFY4	0.130096	0	0.069814	0.056193	0	0.028334	RUN and FYVE domain containing 4 [Source:HGNC Symbol;Acc:H	chr2:21893	NM_19848	XM_01151	.	.	NP_94088	XP_011509	protein_co	ENSG0000	285180	24804
RUNDC1	9.19581	8.48782	8.41987	8.60171	9.3962	6.9628	RUN domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2541	chr17:4113	NM_00132	XM_00525	.	.	NP_00130	XP_005257	protein_co	ENSG0000	146923	25418
RUNDC3A	0.519268	0.202394	0.35617	0.186633	0.195043	0.104714	RUN domain containing 3A [Source:HGNC Symbol;Acc:HGNC:169	chr17:4238	NM_00114	XM_00525	.	.	NP_00113	XP_005257	protein_co	ENSG0000	10900	16984
RUNDC3B	1.3135	1.16779	2.79836	1.22766	0.835415	2.55478	RUN domain containing 3B [Source:HGNC Symbol;Acc:HGNC:302	chr7:87132	NM_00113	XM_01151	.	.	NP_00112	XP_005250	protein_co	ENSG0000	154661	30286
RUNX1	7.22456	8.56509	9.97198	4.82135	5.28962	8.06883	runt related transcription factor 1 [Source:HGNC Symbol;Acc:HGN	chr21:3616	NM_00100	XM_01702	NR_07351	.	NP_00100	XP_005261	protein_co	ENSG0000	100506403	10471
RUNX1T1	0	0	0	0	0	0	RUNX1 translocation partner 1 [Source:HGNC Symbol;Acc:HGNC:	chr8:92967	NM_00119	XM_01701	.	.	NP_00118	XP_006716	protein_co	ENSG0000	862	1535
RUNX2	0.629635	1.02409	1.13246	1.58798	2.29756	2.04585	runt related transcription factor 2 [Source:HGNC Symbol;Acc:HGN	chr6:44794	NM_00101	XM_01151	NR_10353	.	NP_00101	XP_006715	protein_co	ENSG0000	860	10472
RUNX3	10.4435	11.28	10.5453	10.8928	10.8179	10.5894	runt related transcription factor 3 [Source:HGNC Symbol;Acc:HGN	chr1:25226	NM_00103	XM_01154	.	.	NP_00102	XP_005246	protein_co	ENSG0000	864	10473
RUSC1	47.7677	45.4784	46.1431	49.2654	47.5757	35.829	RUN and SH3 domain containing 1 [Source:HGNC Symbol;Acc:HG	chr1:15529	NM_00110	XM_00671	.	.	NP_00109	XP_006711	protein_co	ENSG0000	23623	17153
RUSC2	3.57749	3.48258	3.02161	3.44424	2.99079	3.08422	RUN and SH3 domain containing 2 [Source:HGNC Symbol;Acc:HG	chr9:35538	NM_00113	XM_00671	.	.	NP_00112	XP_006716	protein_co	ENSG0000	9853	23625
RUVBL1	78.3638	83.1854	78.8476	112.996	91.6661	72.3443	RuvB like AAA ATPase 1 [Source:HGNC Symbol;Acc:HGNC:10474]	chr3:12777	NM_00131	XM_01151	.	.	NP_00130	XP_005247	protein_co	ENSG0000	8607	10474
RUVBL2	121.102	119.873	106.117	163.655	131.168	102.633	RuvB like AAA ATPase 2 [Source:HGNC Symbol;Acc:HGNC:10475]	chr19:4949	NM_00132	XM_01152	.	.	NP_00130	XP_011524	protein_co	ENSG0000	10856	10475
RWDD1	14.4561	13.4063	13.9799	18.6206	17.8166	15.4771	RWD domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2099	chr6:11689	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	51389	20993
RWDD2A	3.20984	3.15627	4.33356	2.30068	2.32503	3.997	RWD domain containing 2A [Source:HGNC Symbol;Acc:HGNC:213	chr6:83777	NM_00132	XM_01153	.	.	NP_00130	XP_011533	protein_co	ENSG0000	112611	21385
RWDD2B	12.2348	11.5805	12.0933	10.9114	9.59347	11.172	RWD domain containing 2B [Source:HGNC Symbol;Acc:HGNC:130	chr21:3037	NM_01694	.	.	.	NP_00130	.	protein_co	ENSG0000	10069	1302
RWDD3	6.78514	5.83265	5.60572	4.69566	6.33386	8.45805	RWD domain containing 3 [Source:HGNC Symbol;Acc:HGNC:2139	chr1:95582	NM_00112	.	NR_10348	.	NP_00112	.	protein_co	ENSG0000	25950	21393
RWDD4	5.6013	5.76632	5.67012	5.30509	7.27862	7.64328	RWD domain containing 4 [Source:HGNC Symbol;Acc:HGNC:2375	chr4:18456	NM_00130	XM_00671	.	.	NP_00129	XP_006714	protein_co	ENSG0000	201965	23750
RXFP1	0	0	0	0	0	0	relaxin/insulin like family peptide receptor 1 [Source:HGNC Symb	chr4:15923	NM_00125	XM_01700	.	.	NP_00124	XP_011530	protein_co	ENSG0000	59350	19718
RXFP2	0	0	0	0	0	0	relaxin/insulin like family peptide receptor 2 [Source:HGNC Symb	chr13:3231	NM_00116	XM_01153	.	.	NP_00115	.	protein_co	ENSG0000	122042	17318
RXFP3	0	0	0	0	0	0	relaxin/insulin like family peptide receptor 3 [Source:HGNC Symb	chr5:33936	NM_01656	.	.	.	NP_05765	.	protein_co	ENSG0000	51289	24883
RXFP4	0	0	0	0	0	0	relaxin/insulin like family peptide receptor 4 [Source:HGNC Symb	chr1:15591	NM_18188	.	.	.	NP_87100	.	protein_co	ENSG0000	339403	14666
RXRA	15.5224	16.2409	16.0229	9.83329	8.58097	7.76947	retinoid X receptor alpha [Source:HGNC Symbol;Acc:HGNC:10477	chr9:13721	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	6256	10477
RXRB	19.4949	18.8626	19.388	17.2605	14.2616	18.2203	retinoid X receptor beta [Source:HGNC Symbol;Acc:HGNC:10478]	chr6:33161	NM_00127	XM_01151	.	.	NP_00125	XP_005249	protein_co	ENSG0000	6257	10478
RXRG	0	0	0	0	0	0	retinoid X receptor gamma [Source:HGNC Symbol;Acc:HGNC:104	chr1:16537	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	6258	10479
RYBP	5.87396	5.85719	5.64911	6.02616	6.57845	7.77749	RING1 and YY1 binding protein [Source:HGNC Symbol;Acc:HGNC:	chr3:72420	NM_01223	.	.	.	NP_03636	.	protein_co	ENSG0000	23429	10480
RYK	22.9929	23.9195	25.6676	27.5631	28.8527	32.1378	receptor-like tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:10	chr3:13387	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	6259	10481
RYR1	0.346032	0.332401	0.468439	0.296018	0.262089	0.294822	ryanodine receptor 1 [Source:HGNC Symbol;Acc:HGNC:10483]	chr19:3892	NM_00054	XM_01152	.	.	NP_00053	XP_006723	protein_co	ENSG0000	6261	10483
RYR2	0.011404	0.015905	0.003612	0	0	0	ryanodine receptor 2 [Source:HGNC Symbol;Acc:HGNC:10484]	chr1:23720	NM_00103	XM_00671	.	.	NP_00102	XP_006711	protein_co	ENSG0000	6262	10484
RYR3	0	0	0	0	0	0.008237	ryanodine receptor 3 [Source:HGNC Symbol;Acc:HGNC:10485]	chr15:3360	NM_00103	XM_01702	.	.	NP_00102	XP_011520	protein_co	ENSG0000	6263	10485
S100A1	0.59737	0.399617	1.31282	1.29852	0.916236	0.4535	S100 calcium binding protein A1 [Source:HGNC Symbol;Acc:HGN	chr1:15359	NM_00627	.	.	.	NP_00626	.	protein_co	ENSG0000	6271	10486
S100A10	162.977	155.683	136.98	305.02	233.877	244.948	S100 calcium binding protein A10 [Source:HGNC Symbol;Acc:HGN	chr1:15195	NM_00296	.	.	.	NP_00295	.	protein_co	ENSG0000	6281	10487
S100A11	365.476	329.068	303.928	428.095	342.941	437.254	S100 calcium binding protein A11 [Source:HGNC Symbol;Acc:HGN	chr1:15200	NM_00562	.	.	.	NP_00561	.	protein_co	ENSG0000	6282	10488
S100A12	0	0	0	0	0	0	S100 calcium binding protein A12 [Source:HGNC Symbol;Acc:HGN	chr1:15334	NM_00562	.	.	.	NP_00561	.	protein_co	ENSG0000	6283	10489
S100A13	127.918	109.934	133.561	162.526	107.39	133.088	S100 calcium binding protein A13 [Source:HGNC Symbol;Acc:HGN	chr1:15359	NM_00102	XM_01150	.	.	NP_00101	XP_005245	protein_co	ENSG0000	6284	10490
S100A14	173.125	159.107	138.711	166.256	130.177	177.371	S100 calcium binding protein A14 [Source:HGNC Symbol;Acc:HGN	chr1:15358	NM_02067	XM_01700	.	.	NP_06572	XP_005245	protein_co	ENSG0000	57402	18901
S100A16	189.203	189.821	188.273	181.009	156.497	162.26	S100 calcium binding protein A16 [Source:HGNC Symbol;Acc:HGN	chr1:15357	NM_00131	XM_00524	.	.	NP_00130	XP_005244	protein_co	ENSG0000	140576	20441
S100A2	26.906	25.1221	16.6028	32.8503	28.6328	12.0235	S100 calcium binding protein A2 [Source:HGNC Symbol;Acc:HGN	chr1:15353	NM_00597	.	.	.	NP_00596	.	protein_co	ENSG0000	6273	10492
S100A3	9.60328	8.47241	6.32778	5.9803	4.38839	2.75833	S100 calcium binding protein A3 [Source:HGNC Symbol;Acc:HGN	chr1:15351	NM_00296	.	.	.	NP_00295	.	protein_co	ENSG0000	6274	10493
S100A4	345.442	326.144	352.564	67.4069	59.7054	51.3914	S100 calcium binding protein A4 [Source:HGNC Symbol;Acc:HGN	chr1:15351	NM_00296	.	.	.	NP_00295	.	protein_co	ENSG0000	6275	10494
S100A5	0.824159	1.4022	1.39252	1.30091	0.416711	0.819946	S100 calcium binding protein A5 [Source:HGNC Symbol;Acc:HGN	chr1:15350	NM_00296	.	.	.	NP_00295	XP_016857	protein_co	ENSG0000	6276	10495
S100A6	2471.23	2172.39	2196.74	2173.05	1811.55	1800.99	S100 calcium binding protein A6 [Source:HGNC Symbol;Acc:HGN	chr1:15350	NM_01462	.	.	.	NP_05543	XP_016857	protein_co	ENSG0000	6277	10496
S100A7	0	0	0	0	0	0.158575	S100 calcium binding protein A7 [Source:HGNC Symbol;Acc:HGN	chr1:15343	NM_00296	.	.	.	NP_00295	.	protein_co	ENSG0000	6278	10497
S100A7A	0	0	0	0	0	0	S100 calcium binding protein A7A [Source:HGNC Symbol;Acc:HGN	chr1:15338	NM_17682	XM_00671	.	.	NP_78979	XP_006711	protein_co	ENSG0000	338324	21657
S100A7L2	0	0	0	0	0	0	S100 calcium binding protein A7 like 2 [Source:HGNC Symbol;Acc	chr1:15340	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	645922	21655
S100A8	0	0	0	0	0	0	S100 calcium binding protein A8 [Source:HGNC Symbol;Acc:HGN	chr1:15336	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	6279	10498
S100A9	0	0	0	0	0	0	S100 calcium binding protein A9 [Source:HGNC Symbol;Acc:HGN	chr1:15333	NM_00296	.	.	.	NP_00295	.	protein_co	ENSG0000	6280	10499
S100B	0	0	0.209717	0.260793	0	0	S100 calcium binding protein B [Source:HGNC Symbol;Acc:HGNC:	chr21:4801	NM_00627	XM_01702	.	.	NP_00626	XP_016883	protein_co	ENSG0000	6285	10500
S100G	0	0	0	0	0	0	S100 calcium binding protein G [Source:HGNC Symbol;Acc:HGNC:	chrX:16606	NM_00405	.	.	.	NP_00404	XP_016885	protein_co	ENSG0000	795	1436

S100P	0.105142	0.10697	0	0	0.119831	0.111123	S100 calcium binding protein P [Source:HGNC Symbol;Acc:HGNC:	chr4:66947	NM_00598	.	.	.	NP_00597	.	protein_co	ENSG0000	6286	10504
S100PBP	7.93666	8.22804	9.02397	6.7619	7.38101	10.1209	S100P binding protein [Source:HGNC Symbol;Acc:HGNC:25768]	chr1:3324	NM_00125	XM_01700	.	.	NP_00124	XP_01154	protein_co	ENSG0000	64766	25768
S100Z	0	0	0	0	0	0	S100 calcium binding protein Z [Source:HGNC Symbol;Acc:HGNC:	chr5:76145	NM_13077	XM_01154	.	.	NP_57012	XP_01154	protein_co	ENSG0000	170591	30367
S1PR1	0.031055	0	0.05335	0.034395	0.07044	0.032085	sphingosine-1-phosphate receptor 1 [Source:HGNC Symbol;Acc:H	chr1:1017	NM_00132	XM_00671	.	.	NP_00130	XP_00671	protein_co	ENSG0000	1901	3165
S1PR2	3.48689	3.4434	4.21935	2.89211	3.55758	3.99023	sphingosine-1-phosphate receptor 2 [Source:HGNC Symbol;Acc:H	chr19:1033	NM_00423	.	.	.	NP_00422	.	protein_co	ENSG0000	9294	3169
S1PR3	0	0	0	0	0.023572	0	sphingosine-1-phosphate receptor 3 [Source:HGNC Symbol;Acc:H	chr9:91605	NM_00522	.	.	.	NP_00521	.	protein_co	ENSG0000	1903	3167
S1PR4	0	0.232446	0.068311	0.084962	0	0.277765	sphingosine-1-phosphate receptor 4 [Source:HGNC Symbol;Acc:H	chr19:3178	NM_00377	.	.	.	NP_00376	.	protein_co	ENSG0000	8698	3170
S1PR5	4.40066	4.27979	5.83639	4.83735	3.63679	3.36386	sphingosine-1-phosphate receptor 5 [Source:HGNC Symbol;Acc:H	chr19:1062	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	53637	14299
SAA1	2.25556	2.73448	3.38427	0	0	0	serum amyloid A1 [Source:HGNC Symbol;Acc:HGNC:10513]	chr11:1828	NM_00033	.	.	.	NP_00032	.	protein_co	ENSG0000	6288	10513
SAA2	0.998379	0.730896	0.920748	0.103919	0.067039	0.153833	serum amyloid A2 [Source:HGNC Symbol;Acc:HGNC:10514]	chr11:1825	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	6289	10514
SAA2-SAA4	0.33666	3.11E-05	2.58E-93	0	0	2.29E-05	SAA2-SAA4 readthrough [Source:HGNC Symbol;Acc:HGNC:39550	chr11:1825	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100528017	39550
SAA4	8.81E-06	0.251706	0	0	0	0	serum amyloid A4, constitutive [Source:HGNC Symbol;Acc:HGNC:	chr11:1825	NM_00651	.	.	.	NP_00650	.	protein_co	ENSG0000	6291	10516
SAAL1	23.5968	24.4047	22.6942	28.0917	28.5072	23.677	serum amyloid A like 1 [Source:HGNC Symbol;Acc:HGNC:25158]	chr11:1810	NM_13842	.	.	.	NP_61243	.	protein_co	ENSG0000	113174	25158
SAC3D1	34.253	31.0621	29.322	43.9826	35.0733	29.6939	SAC3 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:3017	chr11:6480	NM_01329	.	.	.	NP_03743	.	protein_co	ENSG0000	29901	30179
SACM1L	12.037	11.4245	10.3386	11.6823	15.1458	13.8298	SAC1 suppressor of actin mutations 1-like (yeast) [Source:HGNC S	chr3:45730	NM_01401	XM_01153	.	.	NP_00130	XP_01153	protein_co	ENSG0000	22908	17059
SACS	12.2014	11.5184	13.7193	9.93602	16.2397	13.013	sacsin molecular chaperone [Source:HGNC Symbol;Acc:HGNC:10	chr13:2390	NM_00127	XM_01702	.	.	NP_00126	XP_00526	protein_co	ENSG0000	26278	10519
SAE1	151.186	152.438	147.506	203.062	172.817	176.889	SUMO1 activating enzyme subunit 1 [Source:HGNC Symbol;Acc:H	chr19:4763	NM_00114	XM_01702	.	.	NP_00113	XP_00672	protein_co	ENSG0000	10055	30660
SAFB	46.2516	49.6097	43.112	55.2531	46.9067	39.0049	scaffold attachment factor B [Source:HGNC Symbol;Acc:HGNC:10	chr19:5623	NM_00120	XM_01702	.	.	NP_00118	XP_01688	protein_co	ENSG0000	6294	10520
SAFB2	11.0683	11.8965	11.7582	11.6621	10.8029	8.88277	scaffold attachment factor B2 [Source:HGNC Symbol;Acc:HGNC:2	chr19:5587	NM_01464	XM_01152	.	.	NP_05546	XP_01152	protein_co	ENSG0000	9667	21605
SAG	0	0.042016	0	0	0	0	S-antigen visual arrestin [Source:HGNC Symbol;Acc:HGNC:10521]	chr2:23421	NM_00054	XM_01151	.	.	NP_00053	XP_01150	protein_co	ENSG0000	6295	10521
SAGE1	0	0	0	0	0	0	sarcoma antigen 1 [Source:HGNC Symbol;Acc:HGNC:30369]	chrX:13497	NM_01866	XM_01702	.	.	NP_06113	XP_01688	protein_co	ENSG0000	55511	30369
SALL1	0	0	0	0	0	0	spalt like transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:	chr16:5111	NM_00112	XM_01152	.	.	NP_00112	XP_00672	protein_co	ENSG0000	6299	10524
SALL2	0	0	0	0	0	0	spalt like transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:	chr14:2198	NM_00129	XM_01153	.	.	NP_00127	XP_01153	protein_co	ENSG0000	6297	10526
SALL3	0	0	0	0	0	0	spalt like transcription factor 3 [Source:HGNC Symbol;Acc:HGNC:	chr18:7674	NM_17199	.	.	.	NP_74199	.	protein_co	ENSG0000	27164	10527
SALL4	0.537513	0.47494	0.771184	0.192586	0.415875	0.456059	spalt like transcription factor 4 [Source:HGNC Symbol;Acc:HGNC:	chr20:5039	NM_02043	XM_01152	.	.	NP_00130	XP_00526	protein_co	ENSG0000	57167	15924
SAMD1	34.3673	34.5201	28.9274	33.3769	32.2936	23.5771	sterile alpha motif domain containing 1 [Source:HGNC Symbol;Ac	chr19:1419	NM_13835	.	.	.	NP_61236	.	protein_co	ENSG0000	.	17958
SAMD10	1.40177	1.50183	1.82937	0.884773	1.12471	1.37155	sterile alpha motif domain containing 10 [Source:HGNC Symbol;A	chr20:6260	NM_08062	XM_00526	.	.	NP_54218	XP_00526	protein_co	ENSG0000	140700	16129
SAMD11	1.39685	0.907817	0.811527	0.894109	0.716748	1.2397	sterile alpha motif domain containing 11 [Source:HGNC Symbol;A	chr1:86111	NM_15248	.	.	.	NP_68969	.	protein_co	ENSG0000	148398	28706
SAMD12	3.21677	3.10673	3.95686	1.55852	2.00538	2.54548	sterile alpha motif domain containing 12 [Source:HGNC Symbol;A	chr8:11920	NM_00110	XM_01701	.	.	NP_00109	XP_01151	protein_co	ENSG0000	401474	31750
SAMD13	6.90409	7.02534	7.42199	10.3522	11.4746	12.9441	sterile alpha motif domain containing 13 [Source:HGNC Symbol;A	chr1:84764	NM_00101	.	.	.	NP_00101	XP_01685	protein_co	ENSG0000	148418	24582
SAMD14	0.50599	0.72651	0.527023	0.564483	0.470389	0.637947	sterile alpha motif domain containing 14 [Source:HGNC Symbol;A	chr17:4817	NM_00125	XM_01152	.	.	NP_00124	XP_00672	protein_co	ENSG0000	201191	27312
SAMD15	0.70437	0.461277	0.289777	0.344386	0.469504	0.394803	sterile alpha motif domain containing 15 [Source:HGNC Symbol;A	chr14:7780	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	161394	18631
SAMD3	2.01225	2.35605	2.01268	3.69257	5.89257	4.57519	sterile alpha motif domain containing 3 [Source:HGNC Symbol;Ac	chr6:13046	NM_00101	XM_01153	.	.	NP_00101	XP_01153	protein_co	ENSG0000	154075	21574
SAMD4A	4.77265	5.04735	5.14065	2.72083	2.17019	3.02516	sterile alpha motif domain containing 4A [Source:HGNC Symbol;A	chr14:5503	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	23034	23023
SAMD4B	33.0265	35.1057	31.6156	33.2812	33.6778	28.3127	sterile alpha motif domain containing 4B [Source:HGNC Symbol;A	chr19:3983	NM_00130	XM_01152	.	.	NP_00129	XP_01152	protein_co	ENSG0000	55095	25492
SAMD5	3.45045	3.21836	4.07464	4.61644	6.20333	4.84764	sterile alpha motif domain containing 5 [Source:HGNC Symbol;Ac	chr6:14783	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	389432	21180
SAMD7	0	0	0	0	0	0	sterile alpha motif domain containing 7 [Source:HGNC Symbol;Ac	chr3:16962	NM_00130	XM_01151	.	.	NP_00129	XP_01151	protein_co	ENSG0000	344658	25394
SAMD8	8.16778	7.29335	8.76785	7.46615	8.09365	11.9732	sterile alpha motif domain containing 8 [Source:HGNC Symbol;Ac	chr10:7687	NM_00117	XM_01701	.	.	NP_00116	XP_00526	protein_co	ENSG0000	142891	26320
SAMD9	5.53724	5.36648	3.08885	4.45611	6.61851	5.1261	sterile alpha motif domain containing 9 [Source:HGNC Symbol;Ac	chr7:92728	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	54809	1348
SAMD9L	0.112288	0.186147	0.029477	0.06531	0.063551	0.01085	sterile alpha motif domain containing 9 like [Source:HGNC Symbo	chr7:92759	NM_00130	XM_01701	.	.	NP_00129	XP_00525	protein_co	ENSG0000	219285	1349
SAMHD1	9.97126	9.48919	10.9807	9.88872	10.5485	7.73659	SAM and HD domain containing deoxynucleoside triphosphate tr	chr20:3550	NM_01547	XM_01152	.	.	NP_05628	XP_00526	protein_co	ENSG0000	25939	15925
SAMM50	32.9723	31.5708	32.5744	35.6668	30.4086	26.3755	SAMM50 sorting and assembly machinery component [Source:H	chr22:4435	NM_01538	.	.	.	NP_05619	.	protein_co	ENSG0000	25813	24276
SAMSN1	0	0	0	0	0	0	SAM domain, SH3 domain and nuclear localization signals 1 [Sour	chr21:1585	NM_00125	XM_01152	.	.	NP_00124	XP_01152	protein_co	ENSG0000	64092	10528
SAP130	8.81683	9.20288	9.14659	10.5123	10.0318	9.76256	Sin3A associated protein 130 [Source:HGNC Symbol;Acc:HGNC:2	chr2:12869	NM_00114	XM_01700	.	.	NP_00113	XP_00526	protein_co	ENSG0000	79595	29813
SAP18	72.9751	72.2048	64.5172	81.3612	69.5046	70.4822	Sin3A associated protein 18 [Source:HGNC Symbol;Acc:HGNC:10	chr13:2171	NM_00587	.	.	.	NP_00586	.	protein_co	ENSG0000	10284	10530
SAP25	1.40441	1.64278	0.786454	1.42834	2.27548	2.58984	Sin3A associated protein 25 [Source:HGNC Symbol;Acc:HGNC:41	chr7:10016	NM_00116	XM_00671	.	.	NP_00116	XP_00525	protein_co	ENSG0000	100316904	41908
SAP30	18.6764	13.3183	13.1163	19.6011	23.2274	16.1563	Sin3A associated protein 30 [Source:HGNC Symbol;Acc:HGNC:10	chr4:17429	NM_00386	.	.	.	NP_00385	.	protein_co	ENSG0000	8819	10532
SAP30BP	39.5177	40.2795	31.3121	45.9052	39.3515	31.8944	SAP30 binding protein [Source:HGNC Symbol;Acc:HGNC:30785]	chr17:7362	NM_00130	XM_01152	.	.	NP_00128	XP_01152	protein_co	ENSG0000	29115	30785
SAP30L	5.05088	5.57846	4.63353	4.82479	5.54724	6.30194	SAP30 like [Source:HGNC Symbol;Acc:HGNC:25663]	chr5:15382	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	79685	25663
SAPCD1	6.25127	4.53637	7.29399	5.56392	6.00435	7.77017	suppressor APC domain containing 1 [Source:HGNC Symbol;Acc:H	chr6:31730	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	401251	13938
SAPCD2	50.1865	50.9093	45.7446	72.3331	67.1246	44.9166	suppressor APC domain containing 2 [Source:HGNC Symbol;Acc:H	chr9:13995	NM_17844	XM_01151	.	.	NP_84854	XP_01151	protein_co	ENSG0000	89958	28055
SAR1A	52.5727	52.665	49.1127	55.6139	63.9694	59.1128	secretion associated Ras related GTPase 1A [Source:HGNC Symbo	chr10:7190	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	56681	10534
SAR1B	21.0742	22.1614	20.1834	23.9806	20.0314	21.8555	secretion associated Ras related GTPase 1B [Source:HGNC Symbo	chr5:13393	NM_00103	XM_01700	.	.	NP_00102	XP_01686	protein_co	ENSG0000	51128	10535
SARAF	62.6382	65.4794	50.6554	69.2281	63.3601	62.7456	store-operated calcium entry associated regulatory factor [Sourc	chr8:29920	NM_00128	.	.	.	NP_00127	XP_01686	protein_co	ENSG0000	51669	28789
SARDH	1.67507	2.11989	3.18876	2.38059	1.77553	2.81341	sarcosine dehydrogenase [Source:HGNC Symbol;Acc:HGNC:1053	chr9:13652	NM_00113	XM_01151	.	.	NP_00112	XP_00671	protein_co	ENSG0000	1757	10536
SARM1	0.214679	0.188816	0.166359	0.170463	0.09261	0.272881	sterile alpha and TIR motif containing 1 [Source:HGNC Symbol;Ac	chr17:2669	NM_01507	.	.	.	NP_05589	.	protein_co	ENSG0000	23098	17074
SARNP	55.2759	53.6828	45.5477	65.8438	57.8346	62.2188	SAP domain containing ribonucleoprotein [Source:HGNC Symbol;	chr12:5613	NM_03308	.	.	.	NP_14907	.	protein_co	ENSG0000	84324	24432
SARS	90.7699	89.8951	72.6661	75.693	62.0277	166.107	seryl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:10537]	chr1:10975	NM_00651	XM_00671	.	.	NP_00650	XP_00671	protein_co	ENSG0000	6301	10537
SARS2	17.8663	18.0158	20.4859	22.6602	19.5837	15.5893	seryl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;Ac	chr19:3940	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	54938	17697

SART1	24.295	25.5294	20.2906	29.7043	23.6732	18.771	squamous cell carcinoma antigen recognized by T-cells 1 [Source:	chr11:6572	NM_00514	XM_01154	.	.	NP_00513	XP_01154	protein_co	ENSG0000	9092	10538
SART3	26.4019	27.7623	22.5841	26.6348	24.4209	24.1138	squamous cell carcinoma antigen recognized by T-cells 3 [Source:	chr12:1089	NM_01470	XM_01153	.	.	NP_05552	XP_00526	protein_co	ENSG0000	9733	16860
SASH1	3.0548	3.3764	3.54373	3.98977	4.14426	5.32014	SAM and SH3 domain containing 1 [Source:HGNC Symbol;Acc:HG	chr6:14866	NM_01527	XM_01153	.	.	NP_05609	XP_01153	protein_co	ENSG0000	23328	19182
SASH3	0	0	0	0	0	0	SAM and SH3 domain containing 3 [Source:HGNC Symbol;Acc:HG	chrX:12891	NM_01899	XM_00672	.	.	NP_06186	XP_00672	protein_co	ENSG0000	54440	15975
SASS6	6.66031	5.64715	4.87644	6.09155	7.75241	5.79156	SAS-6 centriolar assembly protein [Source:HGNC Symbol;Acc:HGN	chr1:10054	NM_00130	.	.	.	NP_00129	XP_01685	protein_co	ENSG0000	163786	25403
SAT1	497.041	454.184	1410.08	393.131	375.498	1146.33	spermidine/spermine N1-acetyltransferase 1 [Source:HGNC Symb	chrX:23801	NM_00297	.	NR_02778	.	NP_00296	.	protein_co	ENSG0000	6303	10540
SAT2	33.226	36.0061	35.0362	42.8038	29.1418	29.8578	spermidine/spermine N1-acetyltransferase family member 2 [Sou	chr17:7486	NM_00132	XM_00525	.	.	NP_00130	XP_00525	protein_co	ENSG0000	112483	23160
SATB1	1.08352	1.35167	2.7329	0.511029	0.513911	0.949633	SATB homeobox 1 [Source:HGNC Symbol;Acc:HGNC:10541]	chr3:18386	NM_00113	XM_01153	.	.	NP_00112	XP_01153	protein_co	ENSG0000	6304	10541
SATB2	4.46925	4.99172	5.10979	8.92529	9.0965	9.90578	SATB homeobox 2 [Source:HGNC Symbol;Acc:HGNC:21637]	chr2:20013	NM_00117	XM_01151	.	.	NP_00116	XP_00524	protein_co	ENSG0000	23314	21637
SATL1	0	0	0	0	0	0	spermidine/spermine N1-acetyl transferase-like 1 [Source:HGNC	chrX:84258	NM_00101	.	.	.	NP_00101	XP_01152	protein_co	ENSG0000	340562	27992
SAV1	23.9582	25.0736	30.212	16.8718	19.7629	21.1792	salvador family WW domain containing protein 1 [Source:HGNC S	chr14:5110	NM_02181	XM_01153	.	.	NP_06859	XP_01153	protein_co	ENSG0000	60485	17795
SAXO1	0	0	0	0	0	0	stabilizer of axonemal microtubules 1 [Source:HGNC Symbol;Acc:	chr9:18927	NM_00128	.	.	.	NP_00127	XP_01151	protein_co	ENSG0000	158297	28566
SAXO2	1.22677	1.02449	0.835244	2.04282	1.73041	1.56412	stabilizer of axonemal microtubules 2 [Source:HGNC Symbol;Acc:	chr15:8255	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	283726	33727
SAYSD1	6.80938	6.16991	4.57865	6.40614	6.8161	5.24943	SAYSVFN motif domain containing 1 [Source:HGNC Symbol;Acc:H	chr6:39071	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	55776	21025
SBDS	54.3493	53.4025	44.4088	47.4028	53.1127	47.7522	SBDS ribosome assembly guanine nucleotide exchange factor [So	chr7:66452	NM_01603	.	.	.	NP_05712	.	protein_co	ENSG0000	51119	19440
SBF1	17.0546	18.4827	20.8734	28.7737	28.1696	24.6877	SET binding factor 1 [Source:HGNC Symbol;Acc:HGNC:10542]	chr22:5078	NM_00297	XM_01702	.	.	NP_00296	XP_00526	protein_co	ENSG0000	6305	10542
SBF2	5.72254	5.88649	7.12368	5.32178	5.44141	7.61778	SET binding factor 2 [Source:HGNC Symbol;Acc:HGNC:2135]	chr11:9800	NM_03096	XM_01152	.	.	NP_11222	XP_00525	protein_co	ENSG0000	81846	2135
SBK1	11.3853	10.8893	12.3917	16.5236	14.7872	15.0605	SH3 domain binding kinase 1 [Source:HGNC Symbol;Acc:HGNC:17	chr16:2830	NM_00102	.	.	.	NP_00101	XP_00525	protein_co	ENSG0000	388228	17699
SBK2	0	0	0	0.255551	0	0.142554	SH3 domain binding kinase family member 2 [Source:HGNC Symb	chr19:5604	NM_00110	XM_00672	.	.	NP_00109	XP_00672	protein_co	ENSG0000	646643	34416
SBK3	0.258136	0.50359	0.783493	0.340511	0.376783	0.361805	SH3 domain binding kinase family member 3 [Source:HGNC Symb	chr19:5605	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100130827	44121
SBNO1	13.61	13.0202	16.656	12.214	16.0653	16.6535	strawberry notch homolog 1 [Source:HGNC Symbol;Acc:HGNC:22	chr12:1237	NM_00116	XM_01701	NR_10703	.	NP_00116	XP_00525	protein_co	ENSG0000	102466877	22973
SBNO2	17.6664	17.3925	17.1626	13.2745	12.3019	12.5172	strawberry notch homolog 2 [Source:HGNC Symbol;Acc:HGNC:29	chr19:1107	NM_00110	XM_01152	.	.	NP_00109	XP_00525	protein_co	ENSG0000	22904	29158
SBP1	4.70344	4.03995	2.91635	4.33215	3.11795	2.89742	SBP1; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q	chr6:33588	.	.	.	.	.	.	protein_co	ENSG0000	.	.
SBSN	0.367499	0.292979	0.302891	0.499875	0.508941	0.374242	suprabasin [Source:HGNC Symbol;Acc:HGNC:24950]	chr19:3601	NM_00116	XM_01152	.	.	NP_00115	XP_01152	protein_co	ENSG0000	374897	24950
SBSPON	0	0	0	0	0	0	somatomedin B and thrombospondin type 1 domain containing [	chr8:73976	NM_15322	.	.	.	NP_69495	.	protein_co	ENSG0000	157869	30362
SC5D	13.7068	13.6658	16.246	13.6881	19.4508	25.4532	sterol-C5-desaturase [Source:HGNC Symbol;Acc:HGNC:10547]	chr11:1211	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	6309	10547
SCAF1	22.7013	26.3123	19.916	18.4337	15.1839	11.7009	SR-related CTD associated factor 1 [Source:HGNC Symbol;Acc:HG	chr19:5014	NM_02122	XM_01702	.	.	NP_06705	XP_00525	protein_co	ENSG0000	58506	30403
SCAF11	20.6949	20.455	21.8402	18.4332	22.6722	20.6793	SR-related CTD associated factor 11 [Source:HGNC Symbol;Acc:H	chr12:4631	NM_00471	XM_01702	.	.	NP_00471	XP_00526	protein_co	ENSG0000	9169	10784
SCAF4	12.1299	11.7243	10.6998	12.1239	10.2329	8.85989	SR-related CTD associated factor 4 [Source:HGNC Symbol;Acc:HG	chr21:3304	NM_00114	XM_01702	.	.	NP_00113	XP_00526	protein_co	ENSG0000	57466	19304
SCAF8	11.3404	13.0474	12.2311	12.2971	12.2332	12.3785	SR-related CTD associated factor 8 [Source:HGNC Symbol;Acc:HG	chr6:15505	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	22828	20959
SCAI	2.77239	2.94049	3.06531	2.57424	2.83096	3.13445	suppressor of cancer cell invasion [Source:HGNC Symbol;Acc:HGN	chr9:12770	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	286205	26709
SCAMP1	14.1565	12.5051	18.0368	12.7009	17.5686	20.4435	secretory carrier membrane protein 1 [Source:HGNC Symbol;Acc	chr5:77656	NM_00129	XM_01154	.	.	NP_00127	XP_01154	protein_co	ENSG0000	9522	10563
SCAMP2	33.284	34.8874	31.7138	32.9326	30.0715	28.5154	secretory carrier membrane protein 2 [Source:HGNC Symbol;Acc	chr15:7513	NM_00569	XM_00672	.	.	NP_00568	.	protein_co	ENSG0000	10066	10564
SCAMP3	55.5037	54.5665	43.4461	53.5692	47.6373	35.974	secretory carrier membrane protein 3 [Source:HGNC Symbol;Acc	chr1:15522	NM_00569	XM_00671	.	.	NP_00568	XP_00671	protein_co	ENSG0000	10067	10565
SCAMP4	27.7901	30.3798	25.5095	29.4595	26.1073	19.8845	secretory carrier membrane protein 4 [Source:HGNC Symbol;Acc	chr19:1905	NM_00132	.	.	.	NP_00131	.	protein_co	ENSG0000	113178	30385
SCAMP5	6.51451	6.44359	7.56053	6.66897	6.52442	5.1066	secretory carrier membrane protein 5 [Source:HGNC Symbol;Acc	chr15:7528	NM_00117	XM_01152	.	.	NP_00117	XP_00672	protein_co	ENSG0000	192683	30386
SCAND1	45.0692	45.1511	43.1973	57.1841	41.6526	43.5863	SCAN domain containing 1 [Source:HGNC Symbol;Acc:HGNC:105	chr20:3454	NM_01655	.	.	.	NP_05764	.	protein_co	ENSG0000	51282	10566
SCAP	23.583	21.7577	22.6457	22.7762	21.9056	20.7791	SREBF chaperone [Source:HGNC Symbol;Acc:HGNC:30634]	chr3:47455	NM_00132	XM_01700	.	.	NP_00130	XP_00526	protein_co	ENSG0000	22937	30634
SCAPER	1.33228	1.3411	1.71419	1.07728	0.708026	1.21011	S-phase cyclin A associated protein in the ER [Source:HGNC Symb	chr15:7664	NM_00114	XM_01702	.	.	NP_00113	XP_00525	protein_co	ENSG0000	49855	13081
SCARA3	12.1641	12.0947	12.4287	12.3743	12.425	8.80868	scavenger receptor class A member 3 [Source:HGNC Symbol;Acc:	chr8:27491	NM_01624	XM_01701	.	.	NP_05732	XP_01686	protein_co	ENSG0000	51435	19000
SCARA5	0	0	0	0.023838	0.024856	0.111276	scavenger receptor class A member 5 [Source:HGNC Symbol;Acc:	chr8:27727	NM_17383	.	.	.	NP_77619	.	protein_co	ENSG0000	286133	28701
SCARB1	46.2851	46.4243	54.5796	61.955	57.5253	47.0917	scavenger receptor class B member 1 [Source:HGNC Symbol;Acc:	chr12:1252	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	949	1664
SCARB2	20.6415	21.7431	21.2741	18.9955	21.4067	27.6553	scavenger receptor class B member 2 [Source:HGNC Symbol;Acc:	chr4:77079	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	950	1665
SCARF1	0.326751	0.3954	0.836113	0.438092	0.511688	0.474305	scavenger receptor class F member 1 [Source:HGNC Symbol;Acc:	chr17:1537	NM_00369	.	.	.	NP_00368	.	protein_co	ENSG0000	8578	16820
SCARF2	1.25626	1.51646	1.93585	1.4072	0.787438	2.18892	scavenger receptor class F member 2 [Source:HGNC Symbol;Acc:	chr22:2077	NM_15333	.	.	.	NP_69916	.	protein_co	ENSG0000	91179	19869
SCCPDH	0.037448	0	0	0	0.041656	0	saccharopine dehydrogenase (putative) [Source:HGNC Symbol;Ac	chr1:24688	NM_01600	.	.	.	NP_05708	.	protein_co	ENSG0000	51097	24275
SCD	288.29	293.062	475.949	389.185	424.121	586.269	stearoyl-CoA desaturase [Source:HGNC Symbol;Acc:HGNC:10571	chr10:1021	NM_00506	.	.	.	NP_00505	.	protein_co	ENSG0000	6319	10571
SCD5	12.7487	14.4824	19.0828	15.2127	17.6566	16.9772	stearoyl-CoA desaturase 5 [Source:HGNC Symbol;Acc:HGNC:2108	chr4:83550	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	79966	21088
SCEL	0.047881	0.025654	0.063411	0.054588	0	0.023511	sciellin [Source:HGNC Symbol;Acc:HGNC:10573]	chr13:7810	NM_00116	XM_01153	.	.	NP_00115	XP_00526	protein_co	ENSG0000	8796	10573
SCFD1	16.0602	13.5759	14.5091	10.8504	13.8579	17.3366	sec1 family domain containing 1 [Source:HGNC Symbol;Acc:HGN	chr14:3109	NM_00125	XM_00526	.	.	NP_00124	XP_00526	protein_co	ENSG0000	23256	20726
SCFD2	4.76837	4.75856	5.99733	5.85733	5.67288	5.04486	sec1 family domain containing 2 [Source:HGNC Symbol;Acc:HGN	chr4:53739	NM_15254	.	.	.	NP_68975	.	protein_co	ENSG0000	152579	30676
SCG2	7.82292	6.70526	5.35826	6.15774	6.90281	6.62589	secretogranin II [Source:HGNC Symbol;Acc:HGNC:10575]	chr2:22446	NM_00346	.	.	.	NP_00346	.	protein_co	ENSG0000	7857	10575
SCG3	0.028325	0	0	0.097004	0	0.027892	secretogranin III [Source:HGNC Symbol;Acc:HGNC:13707]	chr15:5197	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	29106	13707
SCG5	0.549245	0.518471	0.399825	0.674422	0.186423	0.3754	secretogranin V [Source:HGNC Symbol;Acc:HGNC:10816]	chr15:3293	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	6447	10816
SCGB1A1	0	0	0	0	0	0	secretoglobin family 1A member 1 [Source:HGNC Symbol;Acc:HG	chr11:6217	NM_00335	.	.	.	NP_00334	.	protein_co	ENSG0000	7356	12523
SCGB1C1	0	0	0	0	0	0	secretoglobin family 1C member 1 [Source:HGNC Symbol;Acc:HG	chr11:1677	NM_14565	.	.	.	NP_66362	.	protein_co	ENSG0000	147199	18394
SCGB1C2	0	0	0	0	0	0	secretoglobin family 1C member 2 [Source:HGNC Symbol;Acc:HG	chr11:1677	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	653486	51242
SCGB1D1	0	0	0	0	0	0	secretoglobin family 1D member 1 [Source:HGNC Symbol;Acc:HG	chr11:6195	NM_00655	.	.	.	NP_00654	.	protein_co	ENSG0000	10648	18395
SCGB1D2	0	0	0	0	0	0	secretoglobin family 1D member 2 [Source:HGNC Symbol;Acc:HG	chr11:6200	NM_00655	XM_00671	.	.	NP_00654	XP_00671	protein_co	ENSG0000	10647	18396

SCGB1D4	0	0	0	0	0	0	secretoglobin family 1D member 4 [Source:HGNC Symbol;Acc:HG	chr11:6206	NM_20699	.	.	.	NP_99688	.	protein_co	ENSG0000	404552	31748
SCGB2A1	0	0	0	0	0	0.191917	secretoglobin family 2A member 1 [Source:HGNC Symbol;Acc:HG	chr11:6197	NM_00240	.	.	.	NP_00239	.	protein_co	ENSG0000	4246	7051
SCGB2A2	0	0	0	0	0	0	secretoglobin family 2A member 2 [Source:HGNC Symbol;Acc:HG	chr11:6203	NM_00241	.	.	.	NP_00240	XP_005274	protein_co	ENSG0000	4250	7050
SCGB2B2	0.030238	0.09303	0.23194	0.31469	0	0	secretoglobin family 2B member 2 [Source:HGNC Symbol;Acc:HG	chr19:3508	NM_00102	XM_01152	.	.	NP_00102	.	protein_co	ENSG0000	284402	27616
SCGB3A1	0	0	0	0	0	0	secretoglobin family 3A member 1 [Source:HGNC Symbol;Acc:HG	chr5:18001	NM_05286	.	.	.	NP_44309	.	protein_co	ENSG0000	92304	18384
SCGB3A2	0	0	0	0	0	0	secretoglobin family 3A member 2 [Source:HGNC Symbol;Acc:HG	chr5:14725	NM_05402	.	.	.	NP_47336	.	protein_co	ENSG0000	117156	18391
SCGN	0	0	0	0	0	0	secretagogin, EF-hand calcium binding protein [Source:HGNC Sym	chr6:25652	NM_00699	.	.	.	NP_00892	.	protein_co	ENSG0000	10590	16941
SCHIP1	3.59365	3.37718	3.28163	4.48182	4.1873	2.8359	schwannomin interacting protein 1 [Source:HGNC Symbol;Acc:HG	chr3:15955	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	29970	15678
SCIMP	0	0	0	0	0	0	SLP adaptor and CSK interacting membrane protein [Source:HGN	chr17:5112	NM_00127	XM_01702	.	.	NP_00125	XP_005256	protein_co	ENSG0000	388325	33504
SCIN	0.024765	0.008924	0.043108	0.055831	0.028097	0.099234	scinderin [Source:HGNC Symbol;Acc:HGNC:21695]	chr7:12610	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	85477	21695
SCLT1	5.13457	5.27236	3.59073	6.61688	7.71653	7.18155	sodium channel and clathrin linker 1 [Source:HGNC Symbol;Acc:H	chr4:12980	NM_00130	XM_01700	.	.	NP_00128	XP_016863	protein_co	ENSG0000	132320	26406
SCLY	11.7286	11.0587	11.4533	15.3156	13.6958	9.21654	selenocysteine lyase [Source:HGNC Symbol;Acc:HGNC:18161]	chr2:23896	NM_01651	.	.	.	NP_05759	.	protein_co	ENSG0000	51540	18161
SCMH1	7.9698	7.84442	7.38276	8.78203	8.18988	6.44726	sex comb on midleg homolog 1 (Drosophila) [Source:HGNC Symb	chr1:41492	NM_00103	XM_01700	.	.	NP_00102	XP_006710	protein_co	ENSG0000	22955	19003
SCML1	5.76674	4.32781	6.21701	6.69939	8.06594	8.43791	sex comb on midleg-like 1 (Drosophila) [Source:HGNC Symbol;Ac	chrX:17755	NM_00103	XM_01154	.	.	NP_00103	XP_005274	protein_co	ENSG0000	6322	10580
SCML2	1.94692	2.2771	2.19191	1.92118	2.12126	2.56704	sex comb on midleg-like 2 (Drosophila) [Source:HGNC Symbol;Ac	chrX:18257	NM_00608	XM_01154	.	.	NP_00608	XP_006724	protein_co	ENSG0000	10389	10581
SCML4	0	0	0	0	0	0	sex comb on midleg-like 4 (Drosophila) [Source:HGNC Symbol;Ac	chr6:10802	NM_00128	XM_01153	.	.	NP_00127	XP_011534	protein_co	ENSG0000	256380	21397
SCN10A	0	0	0	0	0	0	sodium voltage-gated channel alpha subunit 10 [Source:HGNC Sy	chr3:38738	NM_00129	XM_01153	.	.	NP_00128	XP_005265	protein_co	ENSG0000	6336	10582
SCN11A	0.013869	0.014701	0.024028	0	0.015442	0.027625	sodium voltage-gated channel alpha subunit 11 [Source:HGNC Sy	chr3:38887	NM_00128	XM_01700	.	.	NP_00127	XP_011531	protein_co	ENSG0000	11280	10583
SCN1A	0.009254	0.025119	0.040257	0.020045	0.061661	0.085966	sodium voltage-gated channel alpha subunit 1 [Source:HGNC Sym	chr2:16684	NM_00116	XM_01700	.	.	NP_00115	XP_011509	protein_co	ENSG0000	6323	10585
SCN1B	5.21251	4.7846	4.33046	6.16115	4.87975	3.79121	sodium voltage-gated channel beta subunit 1 [Source:HGNC Syml	chr19:3552	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	6324	10586
SCN2A	0.294231	0.218656	0.368724	0.469452	0.650671	0.239857	sodium voltage-gated channel alpha subunit 2 [Source:HGNC Sym	chr2:16609	NM_00104	XM_01700	.	.	NP_00103	XP_005246	protein_co	ENSG0000	6326	10588
SCN2B	0.038332	0.013018	0	0.013992	0.029087	0	sodium voltage-gated channel beta subunit 2 [Source:HGNC Syml	chr11:1180	NM_00458	.	.	.	NP_00457	.	protein_co	ENSG0000	6327	10589
SCN3A	0.084177	0.132213	0.134293	0.495081	0.487953	0.494594	sodium voltage-gated channel alpha subunit 3 [Source:HGNC Sym	chr2:16594	NM_00108	XM_01700	.	.	NP_00107	XP_006712	protein_co	ENSG0000	6328	10590
SCN3B	0.087687	0.107136	0.164353	0.139061	0.212218	0.088749	sodium voltage-gated channel beta subunit 3 [Source:HGNC Syml	chr11:1234	NM_00104	XM_01154	.	.	NP_00103	XP_011541	protein_co	ENSG0000	55800	20665
SCN4A	0.27609	0.259038	0.446112	0.521249	0.546753	1.66754	sodium voltage-gated channel alpha subunit 4 [Source:HGNC Sym	chr17:6201	NM_00033	XM_00525	.	.	NP_00032	XP_005257	protein_co	ENSG0000	6329	10591
SCN4B	0.214745	0.33574	0.776376	0.234403	0.188204	0.332013	sodium voltage-gated channel beta subunit 4 [Source:HGNC Syml	chr11:1180	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	6330	10592
SCN5A	2.67522	2.86194	2.90389	2.75388	2.44657	2.60947	sodium voltage-gated channel alpha subunit 5 [Source:HGNC Sym	chr3:38589	NM_00033	XM_01700	.	.	NP_00032	XP_006713	protein_co	ENSG0000	6331	10593
SCN7A	0	0	0	0	0	0	sodium voltage-gated channel alpha subunit 7 [Source:HGNC Sym	chr2:16726	NM_00297	XM_01700	.	.	NP_00296	XP_006712	protein_co	ENSG0000	6332	10594
SCN8A	1.84019	1.83899	1.7464	1.37833	1.8001	1.941	sodium voltage-gated channel alpha subunit 8 [Source:HGNC Sym	chr12:5198	NM_00117	XM_01701	.	.	NP_00117	XP_006719	protein_co	ENSG0000	6334	10596
SCN9A	0.285309	0.142364	0.314154	0.247148	0.126154	0.590576	sodium voltage-gated channel alpha subunit 9 [Source:HGNC Sym	chr2:16705	NM_00297	XM_01151	.	.	NP_00296	XP_005246	protein_co	ENSG0000	6335	10597
SCNM1	19.42	17.025	16.8025	20.2203	18.9096	13.4188	sodium channel modifier 1 [Source:HGNC Symbol;Acc:HGNC:231	chr1:15113	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	100534012	23136
SCNN1A	28.7254	27.656	44.5267	16.9232	15.7162	15.955	sodium channel epithelial 1 alpha subunit [Source:HGNC Symbol;	chr12:6456	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	6337	10599
SCNN1B	0.036814	0	0.096845	0.152276	0.097197	0.121729	sodium channel epithelial 1 beta subunit [Source:HGNC Symbol;A	chr16:2331	NM_00033	XM_01702	.	.	NP_00032	XP_011544	protein_co	ENSG0000	6338	10600
SCNN1D	1.14651	1.09307	2.0335	0.900335	0.870573	1.5328	sodium channel epithelial 1 delta subunit [Source:HGNC Symbol;	chr1:12158	NM_00113	XM_01700	.	.	NP_00112	XP_011540	protein_co	ENSG0000	6339	10601
SCNN1G	0.019247	0.019649	0.066544	0	0.021983	0.040656	sodium channel epithelial 1 gamma subunit [Source:HGNC Symb	chr16:2319	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	6340	10602
SCO1	30.1003	29.2578	28.3804	32.5019	32.511	26.188	SCO1 cytochrome c oxidase assembly protein [Source:HGNC Sym	chr17:1057	NM_00458	XM_00525	.	.	NP_00458	XP_005256	protein_co	ENSG0000	6341	10603
SCO2	31.6169	32.7511	30.8619	38.6406	25.3543	19.9821	SCO2 cytochrome c oxidase assembly protein [Source:HGNC Sym	chr22:5096	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	9997	10604
SCOC	39.283	35.1795	37.6442	37.1965	47.7817	57.3695	short coiled-coil protein [Source:HGNC Symbol;Acc:HGNC:20335]	chr4:14117	NM_00115	.	.	.	NP_00114	.	protein_co	ENSG0000	60592	20335
SCP2	52.6677	54.6723	67.5796	61.3748	59.2308	75.0542	sterol carrier protein 2 [Source:HGNC Symbol;Acc:HGNC:10606]	chr1:53392	NM_00100	XM_00527	.	.	NP_00100	XP_005271	protein_co	ENSG0000	6342	10606
SCP2D1	0	0	0	0	0	0	SCP2 sterol binding domain containing 1 [Source:HGNC Symbol;A	chr20:1879	NM_17848	.	.	.	NP_84857	.	protein_co	ENSG0000	140856	16211
SCPEP1	18.517	19.4166	19.2903	19.1111	19.2145	18.0306	serine carboxypeptidase 1 [Source:HGNC Symbol;Acc:HGNC:2950	chr17:5505	NM_02162	XM_00525	.	.	NP_06763	XP_005257	protein_co	ENSG0000	59342	29507
SCRG1	0	0	0	0	0	0.018155	stimulator of chondrogenesis 1 [Source:HGNC Symbol;Acc:HGNC:	chr4:17430	NM_00728	.	.	.	NP_00131	.	protein_co	ENSG0000	11341	17036
SCRIB	40.0519	43.6364	41.1721	51.9039	48.5026	35.7364	scribbled planar cell polarity protein [Source:HGNC Symbol;Acc:H	chr8:14487	NM_01535	.	NR_03063	.	NP_05617	.	protein_co	ENSG0000	100126338	30377
SCRN1	35.2681	36.255	37.3493	37.2223	41.3527	38.7117	secernin 1 [Source:HGNC Symbol;Acc:HGNC:22192]	chr7:29959	NM_00114	XM_01151	.	.	NP_00113	XP_005249	protein_co	ENSG0000	9805	22192
SCRN2	26.1998	24.9535	27.8389	16.3254	13.5039	12.1641	secernin 2 [Source:HGNC Symbol;Acc:HGNC:30381]	chr17:4590	NM_00114	XM_00525	.	.	NP_00113	XP_005257	protein_co	ENSG0000	90507	30381
SCRN3	4.1791	3.21294	4.06075	2.66307	3.2294	4.22825	secernin 3 [Source:HGNC Symbol;Acc:HGNC:30382]	chr2:17526	NM_00119	XM_01151	.	.	NP_00118	XP_005246	protein_co	ENSG0000	79634	30382
SCRT1	0	0.032125	0	0	0	0	scratch family transcriptional repressor 1 [Source:HGNC Symbol;A	chr8:14555	NM_03130	.	.	.	NP_11259	.	protein_co	ENSG0000	83482	15950
SCRT2	0	0	0	0	0	0	scratch family transcriptional repressor 2 [Source:HGNC Symbol;A	chr20:6272	NM_03312	.	.	.	NP_14912	.	protein_co	ENSG0000	85508	15952
SCT	0	0	0	0	0	0	secretin [Source:HGNC Symbol;Acc:HGNC:10607]	chr11:6264	NM_02192	XM_01152	.	.	NP_06873	XP_011518	protein_co	ENSG0000	6343	10607
SCTR	0	0	0	0	0	0	secretin receptor [Source:HGNC Symbol;Acc:HGNC:10608]	chr2:12019	NM_00298	XM_01151	.	.	NP_00297	XP_011509	protein_co	ENSG0000	6344	10608
SCUBE1	0.506448	0.390862	1.20542	0.427372	0.469777	0.76982	signal peptide, CUB domain and EGF like domain containing 1 [So	chr22:4359	NM_17305	XM_01153	.	.	NP_76663	XP_005261	protein_co	ENSG0000	80274	13441
SCUBE2	0.050881	0.13966	0.0871	0.105241	0.15402	0.052992	signal peptide, CUB domain and EGF like domain containing 2 [So	chr11:9041	NM_00117	XM_01152	.	.	NP_00116	XP_005253	protein_co	ENSG0000	57758	30425
SCUBE3	0	0	0.008467	0	0	0	signal peptide, CUB domain and EGF like domain containing 3 [So	chr6:35182	NM_00130	XM_01151	.	.	NP_00129	XP_005249	protein_co	ENSG0000	222663	13655
SCX	0	0	0	0	0	0	scleraxis bHLH transcription factor [Source:HGNC Symbol;Acc:HG	chr8:14531	NM_00108	XM_00671	.	.	NP_00107	XP_006716	protein_co	ENSG0000	642658	32322
SCXA	0	0	0	0	0	0	scleraxis homolog A (mouse) [Source:HGNC Symbol;Acc:24312]	chr8:14548	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	642658	24312
SCXB	0	0	0	0	0	0	scleraxis homolog B (mouse) [Source:HGNC Symbol;Acc:32322]	chr8:14531	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	642658	32322
SCYL1	39.1143	38.9133	34.7747	45.0278	39.4777	33.6309	SCY1 like pseudokinase 1 [Source:HGNC Symbol;Acc:HGNC:14372	chr11:6529	NM_00104	XM_01701	.	.	NP_00104	XP_005274	protein_co	ENSG0000	57410	14372
SCYL2	10.718	10.668	12.9961	11.3227	17.361	18.9749	SCY1 like pseudokinase 2 [Source:HGNC Symbol;Acc:HGNC:19286	chr12:1006	NM_00131	XM_01701	.	.	NP_00130	XP_005269	protein_co	ENSG0000	55681	19286
SCYL3	4.77569	4.25004	4.3994	3.98363	4.10416	4.44634	SCY1 like pseudokinase 3 [Source:HGNC Symbol;Acc:HGNC:19285	chr1:16976	NM_02042	XM_01150	.	.	NP_06515	XP_006711	protein_co	ENSG0000	57147	19285

SDAD1	24.5002	25.0063	22.8466	21.4731	25.2419	24.9932	SDA1 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2553	chr4:76871	NM_00128	XM_00526	.	.	NP_00127	XP_005263	protein_co	ENSG0000	55153	25537
SDC1	39.6163	41.0283	37.7063	45.2774	42.5801	29.1591	syndecan 1 [Source:HGNC Symbol;Acc:HGNC:10658]	chr2:20400	NM_00100	XM_00526	.	.	NP_00100	XP_005262	protein_co	ENSG0000	6382	10658
SDC2	0	0	0	0	0	0	syndecan 2 [Source:HGNC Symbol;Acc:HGNC:10659]	chr8:97505	NM_00299	XM_01151	.	.	NP_00298	XP_005251	protein_co	ENSG0000	6383	10659
SDC3	21.496	23.1457	25.1862	20.1231	18.731	20.1596	syndecan 3 [Source:HGNC Symbol;Acc:HGNC:10660]	chr1:31342	NM_01465	.	.	.	NP_05546	XP_01154	protein_co	ENSG0000	9672	10660
SDC4	146.162	148.613	106.773	78.8969	80.1306	100.34	syndecan 4 [Source:HGNC Symbol;Acc:HGNC:10661]	chr20:4395	NM_00299	XM_01152	.	.	NP_00299	XP_011527	protein_co	ENSG0000	6385	10661
SDCBP	67.2728	62.1845	81.2934	60.7577	69.9949	91.1281	syndecan binding protein [Source:HGNC Symbol;Acc:HGNC:10662	chr8:59465	NM_00100	XM_01701	.	.	NP_00100	XP_011515	protein_co	ENSG0000	6386	10662
SDCBP2	1.42601	1.1776	0.8205	1.71561	0.74001	0.739592	syndecan binding protein 2 [Source:HGNC Symbol;Acc:HGNC:157	chr20:1290	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	27111	15756
SDCCAG3	37.5944	37.2827	40.9882	44.0175	39.6219	34.0129	serologically defined colon cancer antigen 3 [Source:HGNC Symb	chr9:13929	NM_00103	XM_00526	.	.	NP_00103	XP_005266	protein_co	ENSG0000	10807	10667
SDCCAG8	5.69366	5.70389	6.14064	5.62438	5.03774	4.86918	serologically defined colon cancer antigen 8 [Source:HGNC Symb	chr1:24341	NM_00664	XM_01700	.	.	NP_00663	XP_005273	protein_co	ENSG0000	10806	10671
SDE2	14.6615	16.0822	14.1882	17.4866	17.4219	14.1904	SDE2 telomere maintenance homolog [Source:HGNC Symbol;Acc	chr1:22617	NM_15260	.	.	.	NP_68982	.	protein_co	ENSG0000	163859	26643
SDF2	29.3466	30.1647	27.7207	35.7141	26.214	23.3494	stromal cell derived factor 2 [Source:HGNC Symbol;Acc:HGNC:10	chr17:2697	NM_00692	.	.	.	NP_00885	XP_011523	protein_co	ENSG0000	6388	10675
SDF2L1	139.782	135.339	80.6457	177.156	142.095	70.1838	stromal cell derived factor 2 like 1 [Source:HGNC Symbol;Acc:HG	chr22:2199	NM_02204	.	.	.	NP_07132	.	protein_co	ENSG0000	23753	10676
SDF4	80.4777	86.3875	65.2895	83.0026	69.6717	64.3365	stromal cell derived factor 4 [Source:HGNC Symbol;Acc:HGNC:24	chr1:11522	NM_01617	.	.	.	NP_05726	.	protein_co	ENSG0000	51150	24188
SDHA	54.6528	57.299	60.5494	71.2328	60.0282	60.2602	succinate dehydrogenase complex flavoprotein subunit A [Source	chr5:21835	NM_00129	XM_01151	.	.	NP_00128	XP_005248	protein_co	ENSG0000	6389	10680
SDHAF1	19.517	20.4383	18.3559	22.8467	16.3584	14.5104	succinate dehydrogenase complex assembly factor 1 [Source:HG	chr19:3648	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	644096	33867
SDHAF2	57.6779	51.73	43.855	66.7233	50.9009	40.0382	succinate dehydrogenase complex assembly factor 2 [Source:HG	chr11:6119	NM_01784	.	.	.	NP_06031	.	protein_co	ENSG0000	54949	26034
SDHAF3	19.8235	19.2484	19.5902	30.1119	23.5225	17.8731	succinate dehydrogenase complex assembly factor 3 [Source:HG	chr7:96745	NM_02018	.	.	.	NP_06457	.	protein_co	ENSG0000	57001	21752
SDHAF4	6.04101	6.59043	8.82745	9.87792	8.0889	9.94432	succinate dehydrogenase complex assembly factor 4 [Source:HG	chr6:71276	NM_14526	.	.	.	NP_66031	.	protein_co	ENSG0000	135154	20957
SDHB	96.617	93.3773	92.3144	101.754	90.941	89.4187	succinate dehydrogenase complex iron sulfur subunit B [Source:H	chr1:17345	NM_00300	.	.	.	NP_00299	.	protein_co	ENSG0000	6390	10681
SDHC	118.991	105.775	117.549	113.793	102.34	118.347	succinate dehydrogenase complex subunit C [Source:HGNC Symb	chr1:16128	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	6391	10682
SDHD	109.662	109.124	112.921	121.134	115.134	101.524	succinate dehydrogenase complex subunit D [Source:HGNC Symb	chr11:1118	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	6392	10683
SDIM1	0	0	0	0	0	0	stress responsive DNAJB4 interacting membrane protein 1 [Sourc	chr6:16630	.	.	.	.	.	.	protein_co	ENSG0000	.	38749
SDK1	0	0	0.008192	0	0	0.010377	sidekick cell adhesion molecule 1 [Source:HGNC Symbol;Acc:HGN	chr7:33410	NM_15274	XM_01701	.	.	NP_68995	XP_011513	protein_co	ENSG0000	221935	19307
SDK2	0.012895	0.006404	0.005558	0.020809	0.014934	0.021213	sidekick cell adhesion molecule 2 [Source:HGNC Symbol;Acc:HGN	chr17:7133	NM_00114	XM_01152	.	.	NP_00113	XP_011523	protein_co	ENSG0000	54549	19308
SDPR	0.070211	0	0.040868	0.052082	0.105731	0.023982	serum deprivation response [Source:HGNC Symbol;Acc:HGNC:10	chr2:19269	NM_00465	.	.	.	NP_00464	.	protein_co	ENSG0000	8436	10690
SDR16C5	2.31649	2.79608	2.86418	2.2951	3.48951	4.0909	short chain dehydrogenase/reductase family 16C, member 5 [Sou	chr8:57212	NM_13896	XM_01151	.	.	NP_00130	XP_005251	protein_co	ENSG0000	195814	30311
SDR39U1	39.0047	38.1708	38.4355	32.0604	27.5489	29.6255	short chain dehydrogenase/reductase family 39U member 1 [Sou	chr14:2489	NM_00129	XM_01153	.	.	NP_00127	XP_005267	protein_co	ENSG0000	56948	20275
SDR42E1	5.98903	5.87304	4.97915	5.45427	6.2814	5.80067	short chain dehydrogenase/reductase family 42E, member 1 [Sou	chr16:8202	NM_14516	XM_01152	.	.	NP_66015	XP_005256	protein_co	ENSG0000	93517	29834
SDR42E2	0.125645	0.041408	0.03602	0.135333	0.144682	0.13744	short chain dehydrogenase/reductase family 42E, member 2 [Sou	chr16:2217	.	.	.	.	.	.	protein_co	ENSG0000	.	35414
SDR9C7	0.040327	0	0.034949	0	0	0	short chain dehydrogenase/reductase family 9C, member 7 [Sour	chr12:5731	NM_14889	.	.	.	NP_68369	.	protein_co	ENSG0000	121214	29958
SDS	0	0	0	0.053578	0.057477	0	serine dehydratase [Source:HGNC Symbol;Acc:HGNC:10691]	chr12:1138	NM_00684	.	.	.	NP_00683	.	protein_co	ENSG0000	10993	10691
SDSL	20.7144	20.79	17.1076	25.1042	20.7497	13.7255	serine dehydratase like [Source:HGNC Symbol;Acc:HGNC:30404]	chr12:1138	NM_00130	XM_01153	.	.	NP_00129	XP_005253	protein_co	ENSG0000	113675	30404
SEBOX	0	0	0	0	0	0	SEBOX homeobox [Source:HGNC Symbol;Acc:HGNC:32942]	chr17:2669	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	645832	32942
SEC11A	137.011	132.89	143.777	135.671	127.435	146.456	SEC11 homolog A, signal peptidase complex subunit [Source:HGN	chr15:8521	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	23478	17718
SEC11C	60.584	55.4448	31.6704	56.819	49.6281	41.7113	SEC11 homolog C, signal peptidase complex subunit [Source:HGN	chr18:5680	NM_00130	XM_00526	.	.	NP_00129	XP_005266	protein_co	ENSG0000	90701	23400
SEC13	69.5406	65.3539	53.1949	76.6837	67.8179	51.9286	SEC13 homolog, nuclear pore and COPII coat complex componen	chr3:10342	NM_00113	XM_01700	.	.	NP_00112	XP_005265	protein_co	ENSG0000	6396	10697
SEC14L1	14.1632	16.2214	17.5498	18.9844	19.6996	23.5221	SEC14 like lipid binding 1 [Source:HGNC Symbol;Acc:HGNC:10698	chr17:7508	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	6397	10698
SEC14L2	8.74463	9.03015	11.7768	7.12268	6.13407	5.7416	SEC14 like lipid binding 2 [Source:HGNC Symbol;Acc:HGNC:10699	chr22:3079	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	23541	10699
SEC14L3	0	0	0	0	0	0.030238	SEC14 like lipid binding 3 [Source:HGNC Symbol;Acc:HGNC:18655	chr22:3084	NM_00125	XM_01153	.	.	NP_00124	XP_011528	protein_co	ENSG0000	266629	18655
SEC14L4	5.75327	5.00899	5.79185	5.71238	5.76078	5.89192	SEC14 like lipid binding 4 [Source:HGNC Symbol;Acc:HGNC:20627	chr22:3088	NM_00116	XM_00672	.	.	NP_00115	XP_006724	protein_co	ENSG0000	284904	20627
SEC14L5	0.047005	0.035674	0.182404	0.025634	0	0.062445	SEC14 like lipid binding 5 [Source:HGNC Symbol;Acc:HGNC:29032	chr16:5008	NM_01469	.	.	.	NP_05550	.	protein_co	ENSG0000	9717	29032
SEC14L6	0	0	0	0	0	0	SEC14 like lipid binding 6 [Source:HGNC Symbol;Acc:HGNC:40047	chr22:3091	NM_00119	XM_01702	.	.	NP_00118	XP_011528	protein_co	ENSG0000	730005	40047
SEC16A	17.3276	17.6423	15.6678	17.0028	16.547	16.564	SEC16 homolog A, endoplasmic reticulum export factor [Source:H	chr9:13933	NM_00127	XM_01151	.	.	NP_00126	XP_005266	protein_co	ENSG0000	9919	29006
SEC16B	0.360159	0.395729	0.412302	0.287112	0.279179	0.277183	SEC16 homolog B, endoplasmic reticulum export factor [Source:H	chr1:17789	NM_03312	.	.	.	NP_14911	.	protein_co	ENSG0000	89866	30301
SEC22A	11.9677	13.5056	12.3276	9.34052	13.5432	12.4775	SEC22 homolog A, vesicle trafficking protein [Source:HGNC Symb	chr3:12292	NM_01243	XM_01151	.	.	NP_03656	XP_01151	protein_co	ENSG0000	26984	20260
SEC22C	21.1591	21.5395	19.429	25.5046	21.6275	21.0716	SEC22 homolog C, vesicle trafficking protein [Source:HGNC Symb	chr3:42589	NM_00120	XM_01153	.	.	NP_00118	XP_005265	protein_co	ENSG0000	9117	16828
SEC23A	21.9636	21.5687	27.7623	22.3396	23.925	29.7957	Sec23 homolog A, coat complex II component [Source:HGNC Sym	chr14:3950	NM_00636	XM_01153	.	.	NP_00635	XP_005267	protein_co	ENSG0000	10484	10701
SEC23B	52.3833	48.6478	51.4864	58.1965	56.8394	50.8207	Sec23 homolog B, coat complex II component [Source:HGNC Sym	chr20:1848	NM_00117	XM_01702	.	.	NP_00116	XP_016883	protein_co	ENSG0000	10483	10702
SEC23IP	36.0285	40.4386	39.6704	41.9134	36.7829	29.5094	SEC23 interacting protein [Source:HGNC Symbol;Acc:HGNC:1701	chr10:1216	NM_00719	XM_00526	.	.	NP_00912	XP_005269	protein_co	ENSG0000	11196	17018
SEC24A	8.55657	8.36687	9.41209	7.65284	8.77846	7.41576	SEC24 homolog A, COPII coat complex component [Source:HGNC	chr5:13393	NM_00125	XM_01700	.	.	NP_00123	XP_006714	protein_co	ENSG0000	10802	10703
SEC24B	13.8985	14.1103	15.268	13.0903	16.3089	15.5102	SEC24 homolog B, COPII coat complex component [Source:HGNC	chr4:11035	NM_00104	XM_01153	.	.	NP_00103	XP_005262	protein_co	ENSG0000	10427	10704
SEC24C	33.0732	32.7895	32.1194	31.4059	29.7223	22.7581	SEC24 homolog C, COPII coat complex component [Source:HGNC	chr10:7550	NM_00492	XM_01701	.	.	NP_00491	XP_011538	protein_co	ENSG0000	9632	10705
SEC24D	13.5801	14.2624	13.0559	10.6793	14.0259	15.516	SEC24 homolog D, COPII coat complex component [Source:HGNC	chr4:11964	NM_00131	XM_01153	.	.	NP_00130	XP_005263	protein_co	ENSG0000	9871	10706
SEC31A	24.2246	26.4685	21.9169	20.8734	21.5756	20.4149	SEC31 homolog A, COPII coat complex component [Source:HGNC	chr4:83739	NM_00107	XM_01153	.	.	NP_00107	XP_005262	protein_co	ENSG0000	22872	17052
SEC31B	2.88677	2.98869	5.67068	1.87623	1.72548	2.22306	SEC31 homolog B, COPII coat complex component [Source:HGNC	chr10:1022	NM_01549	.	.	.	NP_05630	.	protein_co	ENSG0000	25956	23197
SEC61A1	162.885	163.541	124.024	149.994	141.557	104.644	Sec61 translocon alpha 1 subunit [Source:HGNC Symbol;Acc:HGN	chr3:12777	NM_01333	.	.	.	NP_03746	.	protein_co	ENSG0000	29927	18276
SEC61A2	5.89804	5.31313	4.60004	3.64522	3.67019	3.55859	Sec61 translocon alpha 2 subunit [Source:HGNC Symbol;Acc:HGN	chr10:1217	NM_00114	.	NR_02457	.	NP_00113	.	protein_co	ENSG0000	55176	17702
SEC61B	157.607	134.068	154.183	165.479	158.882	163.661	Sec61 translocon beta subunit [Source:HGNC Symbol;Acc:HGNC:1	chr9:10198	NM_00680	.	.	.	NP_00679	.	protein_co	ENSG0000	10952	16993
SEC61G	170.603	150.514	162.509	170.251	186.158	235.682	Sec61 translocon gamma subunit [Source:HGNC Symbol;Acc:HGN	chr7:54819	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	23480	18277

SEC62	24.1341	25.2768	20.97	25.4787	25.1086	24.1479	SEC62 homolog, preprotein translocation factor [Source:HGNC Sy	chr3:16968	NM_00326	XM_01151	.	.	NP_00325	XP_011511	protein_co	ENSG0000	7095	11846
SEC63	9.3149	9.03203	8.59068	7.25745	9.25606	11.8941	SEC63 homolog, protein translocation regulator [Source:HGNC Sy	chr6:10818	NM_00721	XM_01153	.	.	NP_00914	XP_011533	protein_co	ENSG0000	11231	21082
SECISBP2	15.6324	14.2487	14.7712	11.901	12.8055	16.2506	SECIS binding protein 2 [Source:HGNC Symbol;Acc:HGNC:30972]	chr9:91933	NM_00128	XM_01151	.	.	NP_00126	XP_005252	protein_co	ENSG0000	79048	30972
SECISBP2L	6.86908	7.37428	7.76679	5.81477	7.43603	8.60416	SECIS binding protein 2 like [Source:HGNC Symbol;Acc:HGNC:289	chr15:4928	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	9728	28997
SECTM1	6.10356	6.38355	5.27468	3.40857	3.43235	1.05003	secreted and transmembrane 1 [Source:HGNC Symbol;Acc:HGNC	chr17:8027	NM_00300	XM_01152	.	.	NP_00299	XP_005256	protein_co	ENSG0000	6398	10707
SEH1L	31.8051	32.5231	29.3056	29.2679	29.6681	30.9797	SEH1 like nucleoporin [Source:HGNC Symbol;Acc:HGNC:30379]	chr18:1294	NM_00101	XM_01152	.	.	NP_00101	XP_005258	protein_co	ENSG0000	81929	30379
SEL1L	18.406	19.614	10.4828	14.6845	18.2008	17.8002	SEL1L ERAD E3 ligase adaptor subunit [Source:HGNC Symbol;Acc:	chr14:8193	NM_00124	XM_00526	.	.	NP_00123	XP_005268	protein_co	ENSG0000	6400	10717
SEL1L2	0	0	0	0	0	0	SEL1L2 ERAD E3 ligase adaptor subunit [Source:HGNC Symbol;Ac	chr20:1383	NM_00127	XM_01152	NR_07320	.	NP_00125	XP_006723	protein_co	ENSG0000	80343	15897
SEL1L3	23.6129	23.6207	22.3965	21.3968	23.2316	28.8304	SEL1L family member 3 [Source:HGNC Symbol;Acc:HGNC:29108]	chr4:25749	NM_00129	XM_01151	.	.	NP_00128	XP_011512	protein_co	ENSG0000	23231	29108
SELE	0	0	0	0	0	0	selectin E [Source:HGNC Symbol;Acc:HGNC:10718]	chr1:16969	NM_00045	.	.	.	NP_00044	.	protein_co	ENSG0000	6401	10718
SELENBP1	0	0	0	0	0	0	selenium binding protein 1 [Source:HGNC Symbol;Acc:HGNC:107	chr1:15133	NM_00125	XM_01151	.	.	NP_00124	XP_011508	protein_co	ENSG0000	8991	10719
SELK	61.5961	57.3791	34.1976	73.0712	55.5096	41.5483	selenoprotein K [Source:EntrezGene;Acc:58515]	chr3:53918	NM_02123	.	.	.	NP_06706	.	protein_co	ENSG0000	58515	.
SELL	1.85695	1.43099	1.8903	2.15668	2.50582	2.4905	selectin L [Source:HGNC Symbol;Acc:HGNC:10720]	chr1:16965	NM_00065	.	.	.	NP_00064	.	protein_co	ENSG0000	6402	10720
SELM	83.6398	84.5274	72.9379	73.5124	60.9649	58.8909	selenoprotein M [Source:EntrezGene;Acc:140606]	chr22:3150	NM_08043	.	.	.	NP_53635	.	protein_co	ENSG0000	140606	.
SELO	15.0593	13.8378	18.0128	17.7509	14.8121	15.5351	selenoprotein O [Source:EntrezGene;Acc:83642]	chr22:5063	NM_03145	.	.	.	NP_11364	.	protein_co	ENSG0000	83642	.
SELP	0	0	0	0	0	0	selectin P [Source:HGNC Symbol;Acc:HGNC:10721]	chr1:16955	NM_00300	XM_00524	.	.	NP_00299	XP_005245	protein_co	ENSG0000	6403	10721
SELPLG	0.426973	0.371164	0.238622	0.391487	0.414085	0.471485	selectin P ligand [Source:HGNC Symbol;Acc:HGNC:10722]	chr12:1090	NM_00120	XM_00526	.	.	NP_00119	XP_005269	protein_co	ENSG0000	6404	10722
SELT	49.6696	46.5543	48.9055	56.3754	59.93	53.3607	selenoprotein T [Source:EntrezGene;Acc:51714]	chr3:15025	NM_01627	.	.	.	NP_05735	.	protein_co	ENSG0000	51714	.
SELV	0	0	0	0	0	0	selenoprotein V [Source:EntrezGene;Acc:348303]	chr19:4000	NM_18270	.	.	.	NP_87436	.	protein_co	ENSG0000	348303	.
SEMA3A	6.37586	5.90568	6.91294	1.61111	2.47276	1.72012	semaphorin 3A [Source:HGNC Symbol;Acc:HGNC:10723]	chr7:83585	NM_00608	XM_01151	.	.	NP_00607	XP_005250	protein_co	ENSG0000	10371	10723
SEMA3B	8.68832	9.36443	12.5788	4.22119	3.87829	3.60871	semaphorin 3B [Source:HGNC Symbol;Acc:HGNC:10724]	chr3:50305	NM_00100	.	NR_10693	.	NP_00100	.	protein_co	ENSG0000	102465526	10724
SEMA3C	10.109	8.86725	9.02496	4.99168	5.12488	6.76641	semaphorin 3C [Source:HGNC Symbol;Acc:HGNC:10725]	chr7:80371	NM_00637	XM_00525	.	.	NP_00637	XP_005250	protein_co	ENSG0000	10512	10725
SEMA3D	0.417337	0.373898	0.27975	0.27566	0.277755	0.36757	semaphorin 3D [Source:HGNC Symbol;Acc:HGNC:10726]	chr7:84624	NM_15275	XM_01151	.	.	NP_68996	XP_011514	protein_co	ENSG0000	223117	10726
SEMA3E	0.295958	0.320018	0.585179	0.447656	0.461982	0.556481	semaphorin 3E [Source:HGNC Symbol;Acc:HGNC:10727]	chr7:82993	NM_00117	XM_01151	.	.	NP_00117	.	protein_co	ENSG0000	9723	10727
SEMA3F	6.04372	6.31365	9.25266	7.75329	7.02466	6.10311	semaphorin 3F [Source:HGNC Symbol;Acc:HGNC:10728]	chr3:50192	NM_00131	XM_01153	.	.	NP_00130	XP_005265	protein_co	ENSG0000	6405	10728
SEMA3G	1.61537	1.61635	2.45517	1.60721	1.74586	1.56995	semaphorin 3G [Source:HGNC Symbol;Acc:HGNC:30400]	chr3:52467	NM_02016	.	.	.	NP_06454	.	protein_co	ENSG0000	56920	30400
SEMA4A	0.099546	0.023869	0.042982	0.053973	0	0.10665	semaphorin 4A [Source:HGNC Symbol;Acc:HGNC:10729]	chr1:15611	NM_00119	XM_01700	.	.	NP_00118	XP_011508	protein_co	ENSG0000	64218	10729
SEMA4B	16.5261	18.8525	19.5105	14.0851	13.9322	13.5691	semaphorin 4B [Source:HGNC Symbol;Acc:HGNC:10730]	chr15:9072	NM_00132	XM_01152	.	.	NP_00131	.	protein_co	ENSG0000	10509	10730
SEMA4C	11.9502	10.78	10.4038	12.1425	11.4885	11.5675	semaphorin 4C [Source:HGNC Symbol;Acc:HGNC:10731]	chr2:97525	NM_01778	XM_01151	.	.	NP_06025	XP_011509	protein_co	ENSG0000	54910	10731
SEMA4D	7.32905	6.72711	7.10464	5.52078	5.55058	6.42941	semaphorin 4D [Source:HGNC Symbol;Acc:HGNC:10732]	chr9:91975	NM_00114	XM_01701	.	.	NP_00113	XP_005251	protein_co	ENSG0000	10507	10732
SEMA4F	6.31958	6.56683	5.61146	5.56001	5.69624	6.15886	ssemaphorin 4F [Source:HGNC Symbol;Acc:HGNC:10734]	chr2:74881	NM_00127	XM_01153	.	.	NP_00125	XP_011530	protein_co	ENSG0000	10505	10734
SEMA4G	10.0895	9.1262	16.8683	6.93499	6.36216	7.48137	semaphorin 4G [Source:HGNC Symbol;Acc:HGNC:10735]	chr10:1027	NM_00120	XM_00527	.	.	NP_00119	XP_005270	protein_co	ENSG0000	57715	10735
SEMA5A	0	0	0	0.007913	0	0	semaphorin 5A [Source:HGNC Symbol;Acc:HGNC:10736]	chr5:90351	NM_00396	XM_01701	.	.	NP_00395	XP_006714	protein_co	ENSG0000	9037	10736
SEMA5B	0	0.056738	0.147883	0.041221	0.044694	0.19102	semaphorin 5B [Source:HGNC Symbol;Acc:HGNC:10737]	chr3:12262	NM_00103	XM_01151	.	.	NP_00102	.	protein_co	ENSG0000	54437	10737
SEMA6A	1.38767	1.21426	2.14615	0.967829	0.873839	1.41823	semaphorin 6A [Source:HGNC Symbol;Acc:HGNC:10738]	chr5:11577	NM_00130	XM_00671	.	.	NP_00128	XP_005272	protein_co	ENSG0000	57556	10738
SEMA6B	34.1269	36.418	39.7073	29.4079	26.6041	23.2233	semaphorin 6B [Source:HGNC Symbol;Acc:HGNC:10739]	chr19:4542	NM_03210	XM_01152	.	.	NP_11548	XP_011525	protein_co	ENSG0000	10501	10739
SEMA6C	2.83978	2.94107	3.40678	2.87659	2.54989	3.61998	semaphorin 6C [Source:HGNC Symbol;Acc:HGNC:10740]	chr1:15110	NM_00117	XM_01150	.	.	NP_00117	XP_005244	protein_co	ENSG0000	10500	10740
SEMA6D	0	0	0	0	0	0	semaphorin 6D [Source:HGNC Symbol;Acc:HGNC:16770]	chr15:4747	NM_00119	XM_01702	.	.	NP_00118	XP_005254	protein_co	ENSG0000	80031	16770
SEMA7A	6.63945	8.29134	6.81735	6.69884	6.39103	4.40551	semaphorin 7A (John Milton Hagen blood group) [Source:HGNC S	chr15:7470	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	8482	10741
SEMG1	0	0	0	0	0	0	semenogelin I [Source:HGNC Symbol;Acc:HGNC:10742]	chr20:4383	NM_00300	.	.	.	NP_00299	.	protein_co	ENSG0000	6406	10742
SEMG2	0	0	0	0	0	0	semenogelin II [Source:HGNC Symbol;Acc:HGNC:10743]	chr20:4384	NM_00300	.	.	.	NP_00299	.	protein_co	ENSG0000	6407	10743
SENP1	6.4243	7.22265	5.66191	5.86881	6.24985	6.10105	SUMO1/sentrin specific peptidase 1 [Source:HGNC Symbol;Acc:H	chr12:4843	NM_00126	XM_01701	.	.	NP_00125	XP_006719	protein_co	ENSG0000	29843	17927
SENP2	7.99573	8.5252	9.29715	8.97321	8.88532	10.1576	SUMO1/sentrin/SMT3 specific peptidase 2 [Source:HGNC Symbol	chr3:18530	NM_02162	XM_00524	.	.	NP_06764	XP_005247	protein_co	ENSG0000	59343	23116
SENP3	39.0462	38.0058	39.9706	37.7388	33.6554	27.5398	SUMO1/sentrin/SMT3 specific peptidase 3 [Source:HGNC Symbol	chr17:7465	NM_01567	.	.	.	NP_05648	.	protein_co	ENSG0000	26168	17862
SENP5	9.22823	9.02679	9.25435	7.93582	9.41345	9.09303	SUMO1/sentrin specific peptidase 5 [Source:HGNC Symbol;Acc:H	chr3:19659	NM_00130	XM_01151	.	.	NP_00129	XP_005269	protein_co	ENSG0000	205564	28407
SENP6	15.1507	13.9639	15.265	12.5589	18.4108	19.1645	SUMO1/sentrin specific peptidase 6 [Source:HGNC Symbol;Acc:H	chr6:76311	NM_00110	XM_01153	.	.	NP_00109	XP_006715	protein_co	ENSG0000	26054	20944
SENP7	2.86387	1.75366	3.11391	1.92799	3.33761	4.01053	SUMO1/sentrin specific peptidase 7 [Source:HGNC Symbol;Acc:H	chr3:10104	NM_00107	XM_01700	.	.	NP_00107	XP_005247	protein_co	ENSG0000	57337	30402
SENP8	2.47675	2.28731	2.34901	2.77089	2.36352	2.25672	SUMO/sentrin peptidase family member, NEDD8 specific [Source	chr15:7211	NM_00116	XM_01152	.	.	NP_00115	XP_005254	protein_co	ENSG0000	123228	22992
SEP15	100.018	100.467	89.5293	97.2851	102.182	111.526	15 kDa selenoprotein [Source:EntrezGene;Acc:9403]	chr1:87328	NM_00426	.	.	.	NP_00425	.	protein_co	ENSG0000	9403	.
SEPHS1	24.1935	24.7376	21.0186	33.5783	28.9956	29.3964	selenophosphate synthetase 1 [Source:HGNC Symbol;Acc:HGNC:	chr10:1335	NM_00119	XM_01701	.	.	NP_00118	XP_016871	protein_co	ENSG0000	22929	19685
SEPHS2	45.4117	50.0265	38.714	55.1807	51.4604	59.8086	selenophosphate synthetase 2 [Source:HGNC Symbol;Acc:HGNC:	chr16:3045	NM_01224	.	.	.	NP_03638	.	protein_co	ENSG0000	22928	19686
SEPN1	45.2562	44.899	51.3261	43.4772	41.8133	40.6398	selenoprotein N, 1 [Source:HGNC Symbol;Acc:HGNC:15999]	chr1:26126	NM_02045	.	.	.	NP_06518	.	protein_co	ENSG0000	57190	15999
SEPP1	6.83794	5.73814	11.8311	6.49159	6.48061	9.78852	selenoprotein P, plasma, 1 [Source:HGNC Symbol;Acc:HGNC:107	chr5:42756	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	6414	10751
SEPSECS	4.06981	4.08309	4.51177	2.45532	3.94582	4.47149	Sep (O-phosphoserine) tRNA:Sec (selenocysteine) tRNA synthase	chr4:25121	NM_01695	XM_01700	.	.	NP_05865	XP_011512	protein_co	ENSG0000	51091	30605
SEPT1	0.480775	0.475992	0.417844	0.3294	0.403359	0.574501	septin 1 [Source:HGNC Symbol;Acc:HGNC:2879]	chr16:3038	NM_05283	.	.	.	NP_44307	.	protein_co	ENSG0000	1731	2879
SEPT10	29.7362	29.2753	35.8062	37.5469	42.6473	70.8755	septin 10 [Source:HGNC Symbol;Acc:HGNC:14349]	chr2:11030	NM_00132	XM_01151	.	.	NP_00130	XP_006712	protein_co	ENSG0000	151011	14349
SEPT11	35.3874	36.0875	39.8401	39.629	46.0467	43.498	septin 11 [Source:HGNC Symbol;Acc:HGNC:25589]	chr4:77870	NM_00130	XM_01700	.	.	NP_00129	XP_005263	protein_co	ENSG0000	55752	25589
SEPT12	0.056405	0	0.049054	0.120999	0.130868	0	septin 12 [Source:HGNC Symbol;Acc:HGNC:26348]	chr16:4827	NM_00115	XM_01152	.	.	NP_00114	XP_006720	protein_co	ENSG0000	124404	26348
SEPT14	0	0	0	0	0	0	septin 14 [Source:HGNC Symbol;Acc:HGNC:33280]	chr7:55861	NM_20736	XM_01151	.	.	NP_99724	XP_011513	protein_co	ENSG0000	346288	33280

SEPT2	133.093	134.507	144.529	147.945	160.61	168.442	septin 2 [Source:HGNC Symbol;Acc:HGNC:7729]	chr2:24216	NM_00100	XM_01700	.	.	NP_00100	XP_005247	protein_co	ENSG0000	4735	7729
SEPT3	6.15147	6.60418	7.75344	8.22159	8.7488	7.19223	septin 3 [Source:HGNC Symbol;Acc:HGNC:10750]	chr22:4237	NM_01910	.	.	.	NP_06197	.	protein_co	ENSG0000	55964	10750
SEPT4	2.84866	2.25215	4.14246	4.54601	4.11861	4.63815	septin 4 [Source:HGNC Symbol;Acc:HGNC:9165]	chr17:5659	NM_00119	XM_01152	.	.	NP_00118	XP_006722	protein_co	ENSG0000	5414	9165
SEPT5	4.83497	6.5795	7.31981	6.68272	7.52111	5.78193	septin 5 [Source:HGNC Symbol;Acc:HGNC:9164]	chr22:1970	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	5413	9164
SEPT6	4.29539	3.72651	6.10362	3.43675	2.38308	3.02478	septin 6 [Source:HGNC Symbol;Acc:HGNC:15848]	chrX:11874	NM_01512	XM_01153	.	.	NP_05594	XP_005262	protein_co	ENSG0000	23157	15848
SEPT7	58.4938	56.4412	55.9391	58.2064	71.7019	74.0391	septin 7 [Source:HGNC Symbol;Acc:HGNC:1717]	chr7:35840	NM_00101	XM_01151	.	.	NP_00101	XP_006715	protein_co	ENSG0000	989	1717
SEPT8	20.0278	21.0872	22.3782	19.8935	19.7277	17.7898	septin 8 [Source:HGNC Symbol;Acc:HGNC:16511]	chr5:13208	NM_00109	XM_01700	.	.	NP_00109	XP_005271	protein_co	ENSG0000	23176	16511
SEPT9	84.9266	88.5173	88.4492	89.1308	82.2061	74.3153	septin 9 [Source:HGNC Symbol;Acc:HGNC:7323]	chr17:7527	NM_00111	XM_01152	.	.	NP_00110	XP_005257	protein_co	ENSG0000	10801	7323
SEPW1	156.656	141.54	147.79	223.474	161.777	129.756	selenoprotein W, 1 [Source:HGNC Symbol;Acc:HGNC:10752]	chr19:4828	NM_00300	.	.	.	NP_00300	.	protein_co	ENSG0000	6415	10752
SERAC1	3.11456	3.36699	4.49138	3.19586	3.88403	3.50249	serine active site containing 1 [Source:HGNC Symbol;Acc:HGNC:2	chr6:15853	NM_03286	XM_01153	.	.	NP_11625	XP_006715	protein_co	ENSG0000	84947	21061
SERBP1	194.52	197.985	182.858	247.052	225.906	197.666	SERPINE1 mRNA binding protein 1 [Source:HGNC Symbol;Acc:HG	chr1:67873	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	26135	17860
SERF1A	0	0	0	0	0	0	small EDRK-rich factor 1A [Source:HGNC Symbol;Acc:HGNC:1075	chr5:70196	NM_02196	.	.	.	NP_06880	.	protein_co	ENSG0000	8293	10755
SERF1B	0.834324	0.457183	0.635733	0.436733	1.2413	0.627259	small EDRK-rich factor 1B [Source:HGNC Symbol;Acc:HGNC:1075	chr5:69321	NM_00117	.	.	.	NP_00117	.	protein_co	ENSG0000	728492	10756
SERF2	444.433	403.134	429.921	450.504	311.352	364.814	small EDRK-rich factor 2 [Source:HGNC Symbol;Acc:HGNC:10757]	chr15:4403	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	10169	10757
SERGEF	9.04417	7.86308	9.07994	8.06925	6.68567	9.87676	secretion regulating guanine nucleotide exchange factor [Source:	chr11:1780	NM_01213	.	.	.	NP_03627	.	protein_co	ENSG0000	26297	17499
SERHL2	0.060054	0	0	0.065537	0	0	serine hydrolase-like 2 [Source:HGNC Symbol;Acc:HGNC:29446]	chr22:4294	NM_00128	XM_01153	.	.	NP_00127	XP_016884	protein_co	ENSG0000	253190	29446
SERINC1	23.7193	24.6463	25.4249	19.4306	23.7025	31.4492	serine incorporator 1 [Source:HGNC Symbol;Acc:HGNC:13464]	chr6:12276	NM_02075	.	.	.	NP_06580	.	protein_co	ENSG0000	57515	13464
SERINC2	35.5872	36.6195	58.1805	30.7704	29.132	28.0962	serine incorporator 2 [Source:HGNC Symbol;Acc:HGNC:23231]	chr1:31882	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	347735	23231
SERINC3	26.5321	28.0348	30.4995	22.4745	25.5105	33.6591	serine incorporator 3 [Source:HGNC Symbol;Acc:HGNC:11699]	chr20:4312	NM_00681	XM_01702	.	.	NP_00680	XP_016883	protein_co	ENSG0000	10955	11699
SERINC4	0.162487	0.099817	0.028192	0.035597	0.073729	0.068373	serine incorporator 4 [Source:HGNC Symbol;Acc:HGNC:32237]	chr15:4403	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	619189	32237
SERINC5	13.1077	13.3854	12.5043	11.2945	13.7833	19.6305	serine incorporator 5 [Source:HGNC Symbol;Acc:HGNC:18825]	chr5:79407	NM_00117	XM_01700	.	.	NP_00116	XP_011541	protein_co	ENSG0000	256987	18825
SERP1	55.232	59.4703	44.1109	60.0397	63.9658	63.5667	stress-associated endoplasmic reticulum protein 1 [Source:HGNC	chr3:15025	NM_01444	XM_01151	.	.	NP_05526	XP_011511	protein_co	ENSG0000	27230	10759
SERP2	0	0	0	0	0	0	stress-associated endoplasmic reticulum protein family member	chr13:4494	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	387923	20607
SERPINA1	4.16168	4.20708	4.60181	3.33793	2.41953	3.4155	serpin family A member 1 [Source:HGNC Symbol;Acc:HGNC:8941	chr14:9484	NM_00029	.	.	.	NP_00028	XP_016876	protein_co	ENSG0000	5265	8941
SERPINA10	0	0	0	0	0	0	serpin family A member 10 [Source:HGNC Symbol;Acc:HGNC:159	chr14:9474	NM_00110	XM_01702	.	.	NP_00109	XP_005267	protein_co	ENSG0000	51156	15996
SERPINA11	0	0	0	0	0	0	serpin family A member 11 [Source:HGNC Symbol;Acc:HGNC:191	chr14:9490	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	256394	19193
SERPINA12	0	0	0	0	0	0	serpin family A member 12 [Source:HGNC Symbol;Acc:HGNC:183	chr14:9495	NM_00130	XM_01153	.	.	NP_00129	XP_011534	protein_co	ENSG0000	145264	18359
SERPINA3	0.235726	0.805786	0.617884	0.172146	0.089063	0.455725	serpin family A member 3 [Source:HGNC Symbol;Acc:HGNC:16]	chr14:9507	.	.	.	.	.	.	protein_co	ENSG0000	.	16
SERPINA4	0	0	0	0	0	0	serpin family A member 4 [Source:HGNC Symbol;Acc:HGNC:8948	chr14:9502	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	5267	8948
SERPINA5	1.63343	1.88172	3.44419	3.306	2.94539	4.67474	serpin family A member 5 [Source:HGNC Symbol;Acc:HGNC:8723	chr14:9502	NM_00062	.	.	.	NP_00061	.	protein_co	ENSG0000	5104	8723
SERPINA6	0.042372	0	0	0	0	0	serpin family A member 6 [Source:HGNC Symbol;Acc:HGNC:1540	chr14:9477	NM_00175	.	.	.	NP_00174	.	protein_co	ENSG0000	866	1540
SERPINA7	0	0	0	0	0	0	serpin family A member 7 [Source:HGNC Symbol;Acc:HGNC:1158	chrX:10527	NM_00035	XM_00672	.	.	NP_00034	XP_006724	protein_co	ENSG0000	6906	11583
SERPINA9	0	0	0	0	0	0	serpin family A member 9 [Source:HGNC Symbol;Acc:HGNC:1599	chr14:9492	NM_00104	XM_01153	.	.	NP_00103	XP_011535	protein_co	ENSG0000	327657	15995
SERPINB1	23.1869	21.4094	40.2246	15.0967	15.5328	24.59	serpin family B member 1 [Source:HGNC Symbol;Acc:HGNC:3311	chr6:28325	NM_03066	XM_01151	.	.	NP_10959	XP_011512	protein_co	ENSG0000	1992	3311
SERPINB10	0	0	0	0	0	0	serpin family B member 10 [Source:HGNC Symbol;Acc:HGNC:894	chr18:6157	NM_00502	XM_01152	.	.	NP_00501	XP_011524	protein_co	ENSG0000	5273	8942
SERPINB11	0	0	0	0	0	0	serpin family B member 11 (gene/pseudogene) [Source:HGNC Sy	chr18:6136	NM_00129	XM_01152	.	.	NP_00127	XP_011524	protein_co	ENSG0000	89778	14221
SERPINB12	0	0	0	0	0.059259	0.052935	serpin family B member 12 [Source:HGNC Symbol;Acc:HGNC:142	chr18:6122	NM_00130	XM_01152	.	.	NP_00129	XP_005266	protein_co	ENSG0000	89777	14220
SERPINB13	0	0	0	0	0	0	serpin family B member 13 [Source:HGNC Symbol;Acc:HGNC:894	chr18:6125	NM_00130	XM_01152	.	.	NP_00129	XP_005266	protein_co	ENSG0000	5275	8944
SERPINB2	0	0.043766	0	0.046675	0.092242	0.041211	serpin family B member 2 [Source:HGNC Symbol;Acc:HGNC:8584	chr18:6155	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	5055	8584
SERPINB3	0.046379	0	0	0	0	0	serpin family B member 3 [Source:HGNC Symbol;Acc:HGNC:1056	chr18:6132	NM_00691	.	.	.	NP_00885	.	protein_co	ENSG0000	6317	10569
SERPINB4	0	0	0	0	0	0	serpin family B member 4 [Source:HGNC Symbol;Acc:HGNC:1057	chr18:6130	NM_00297	XM_01152	.	.	NP_00296	XP_011524	protein_co	ENSG0000	6318	10570
SERPINB5	20.1939	21.3136	29.9937	33.3051	38.4645	37.9349	serpin family B member 5 [Source:HGNC Symbol;Acc:HGNC:8949	chr18:6114	NM_00263	.	.	.	NP_00263	.	protein_co	ENSG0000	5268	8949
SERPINB6	50.0719	47.8803	55.9857	48.084	39.0652	43.2461	serpin family B member 6 [Source:HGNC Symbol;Acc:HGNC:8950	chr6:29483	NM_00119	XM_01151	.	.	NP_00118	XP_011512	protein_co	ENSG0000	5269	8950
SERPINB7	0.426814	0.312212	0.180461	0.047329	0.229873	0.040603	serpin family B member 7 [Source:HGNC Symbol;Acc:HGNC:1390	chr18:6142	NM_00104	XM_01152	.	.	NP_00103	XP_006722	protein_co	ENSG0000	8710	13902
SERPINB8	4.75939	4.69124	3.65105	3.6418	4.22856	7.11171	serpin family B member 8 [Source:HGNC Symbol;Acc:HGNC:8952	chr18:6163	NM_00103	XM_01702	.	.	NP_00102	XP_006722	protein_co	ENSG0000	5271	8952
SERPINB9	11.7152	11.8036	17.995	13.5242	13.2009	19.8089	serpin family B member 9 [Source:HGNC Symbol;Acc:HGNC:8955	chr6:28874	NM_00415	XM_01151	.	.	NP_00414	XP_005249	protein_co	ENSG0000	5272	8955
SERPINC1	0.129748	0.096738	0.113087	0.142667	0.101715	0.182765	serpin family C member 1 [Source:HGNC Symbol;Acc:HGNC:775]	chr1:17387	NM_00048	XM_00524	.	.	NP_00047	XP_005245	protein_co	ENSG0000	462	775
SERPIND1	0	0	0	0	0	0	serpin family D member 1 [Source:HGNC Symbol;Acc:HGNC:4838	chr22:2106	NM_00018	.	.	.	NP_00017	.	protein_co	ENSG0000	3053	4838
SERPINE1	11.1406	11.1693	9.02425	7.16072	6.77618	10.5584	serpin family E member 1 [Source:HGNC Symbol;Acc:HGNC:8583	chr7:10077	NM_00060	.	.	.	NP_00059	.	protein_co	ENSG0000	5054	8583
SERPINE2	50.0551	48.6401	44.9069	57.0594	54.444	67.3834	serpin family E member 2 [Source:HGNC Symbol;Acc:HGNC:8951	chr2:22483	NM_00113	XM_00524	.	.	NP_00113	XP_005246	protein_co	ENSG0000	5270	8951
SERPINE3	0	0	0	0	0	0	serpin family E member 3 [Source:HGNC Symbol;Acc:HGNC:2477	chr13:5190	NM_00110	XM_01153	.	.	NP_00109	XP_011533	protein_co	ENSG0000	647174	24774
SERPINF1	0.236105	0.237598	0.494019	0.153803	0.431292	0.764616	serpin family F member 1 [Source:HGNC Symbol;Acc:HGNC:8824	chr17:1665	NM_00261	.	.	.	NP_00260	XP_016880	protein_co	ENSG0000	5176	8824
SERPINF2	1.50815	0.907057	2.51448	1.17852	1.67513	1.30194	serpin family F member 2 [Source:HGNC Symbol;Acc:HGNC:9075	chr17:1646	NM_00093	XM_01702	.	.	NP_00092	XP_005256	protein_co	ENSG0000	5345	9075
SERPING1	1.57981	1.74465	1.79458	0.083546	0.043668	0.163038	serpin family G member 1 [Source:HGNC Symbol;Acc:HGNC:1228	chr11:5736	NM_00006	.	.	.	NP_00005	.	protein_co	ENSG0000	710	1228
SERPINH1	79.1985	77.3178	54.857	86.3746	80.1389	57.6034	serpin family H member 1 [Source:HGNC Symbol;Acc:HGNC:1546	chr11:7527	NM_00120	XM_01154	.	.	NP_00119	XP_006718	protein_co	ENSG0000	871	1546
SERPINI1	3.66306	3.28708	3.76489	3.91718	4.11907	6.01734	serpin family I member 1 [Source:HGNC Symbol;Acc:HGNC:8943]	chr3:16745	NM_00112	XM_01700	.	.	NP_00111	XP_016862	protein_co	ENSG0000	5274	8943
SERPINI2	0	0	0	0.067978	0	0	serpin family I member 2 [Source:HGNC Symbol;Acc:HGNC:8945]	chr3:16715	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	5276	8945
SERTAD1	21.3723	20.7974	19.4758	27.9701	22.3471	21.4616	SERTA domain containing 1 [Source:HGNC Symbol;Acc:HGNC:179	chr19:4092	NM_01337	.	.	.	NP_03750	.	protein_co	ENSG0000	29950	17932
SERTAD2	20.6939	22.6073	21.3795	19.1831	24.438	24.3417	SERTA domain containing 2 [Source:HGNC Symbol;Acc:HGNC:307	chr2:64858	NM_01479	XM_01153	.	.	NP_05557	XP_005264	protein_co	ENSG0000	9792	30784

SERTAD3	19.1642	18.068	16.9002	23.071	17.8215	22.2186	SERTA domain containing 3 [Source:HGNC Symbol;Acc:HGNC:179	chr19:4094	NM_01336	XM_00672	.	.	NP_03750	XP_005258	protein_co	ENSG0000	29946	17931
SERTAD4	0.051873	0.037194	0.210308	0.218238	0.363429	0.434991	SERTA domain containing 4 [Source:HGNC Symbol;Acc:HGNC:252	chr1:21040	NM_01960	.	.	.	NP_06255	.	protein_co	ENSG0000	56256	25236
SERTM1	0	0	0	0	0	0	serine rich and transmembrane domain containing 1 [Source:HGN	chr13:3724	NM_20345	.	.	.	NP_98227	.	protein_co	ENSG0000	400120	33792
SESN1	7.26172	7.34363	10.7795	7.15781	8.26356	7.41151	sestrin 1 [Source:HGNC Symbol;Acc:HGNC:21595]	chr6:10930	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	27244	21595
SESN2	18.1323	18.1222	9.64067	10.2801	9.75732	25.4358	sestrin 2 [Source:HGNC Symbol;Acc:HGNC:20746]	chr1:28586	NM_03145	.	.	.	NP_11364	.	protein_co	ENSG0000	83667	20746
SESN3	1.31241	0.95596	2.88774	1.2565	1.34083	2.88827	sestrin 3 [Source:HGNC Symbol;Acc:HGNC:23060]	chr11:9489	NM_00127	XM_01154	.	.	NP_00125	XP_011540	protein_co	ENSG0000	143686	23060
SESTD1	2.51457	1.92309	3.53213	2.21505	2.56312	3.64213	SEC14 and spectrin domain containing 1 [Source:HGNC Symbol;A	chr2:17996	NM_17812	XM_01151	.	.	NP_83522	XP_011510	protein_co	ENSG0000	91404	18379
SET	441.846	454.537	339.426	465.385	467.065	427.341	SET nuclear proto-oncogene [Source:HGNC Symbol;Acc:HGNC:10	chr9:13144	NM_00112	XM_01151	.	.	NP_00111	XP_011517	protein_co	ENSG0000	6418	10760
SETBP1	0	0.014424	0	0	0	0	SET binding protein 1 [Source:HGNC Symbol;Acc:HGNC:15573]	chr18:4226	NM_00113	XM_00525	.	.	NP_00112	XP_005258	protein_co	ENSG0000	26040	15573
SETD1A	7.40933	7.56034	6.96187	7.61905	7.21188	5.65385	SET domain containing 1A [Source:HGNC Symbol;Acc:HGNC:2901	chr16:3096	NM_01471	XM_01154	.	.	NP_05552	XP_005255	protein_co	ENSG0000	9739	29010
SETD1B	5.21885	5.61998	4.9635	4.91138	5.50073	4.85465	SET domain containing 1B [Source:HGNC Symbol;Acc:HGNC:2918	chr12:1222	NM_01504	XM_01153	.	.	NP_05586	XP_005253	protein_co	ENSG0000	23067	29187
SETD2	10.726	10.4482	9.57202	9.03156	10.0511	9.40792	SET domain containing 2 [Source:HGNC Symbol;Acc:HGNC:18420	chr3:47058	NM_01415	XM_01153	.	.	NP_05487	XP_011531	protein_co	ENSG0000	29072	18420
SETD3	25.5094	26.3178	23.1044	25.841	25.9369	23.5604	SET domain containing 3 [Source:HGNC Symbol;Acc:HGNC:20493	chr14:9986	NM_03223	XM_01702	.	.	NP_11560	XP_005268	protein_co	ENSG0000	84193	20493
SETD4	8.73485	8.32697	10.6273	8.79097	8.6968	8.94222	SET domain containing 4 [Source:HGNC Symbol;Acc:HGNC:1258]	chr21:3740	NM_00100	XM_01152	.	.	NP_00100	XP_011527	protein_co	ENSG0000	54093	1258
SETD5	24.4123	26.9265	22.9761	18.2751	20.046	23.922	SET domain containing 5 [Source:HGNC Symbol;Acc:HGNC:25566	chr3:94394	NM_00108	XM_01153	.	.	NP_00107	XP_005265	protein_co	ENSG0000	55209	25566
SETD6	12.2393	12.0262	13.0669	11.7634	9.83043	9.64775	SET domain containing 6 [Source:HGNC Symbol;Acc:HGNC:26116	chr16:5854	NM_00116	.	.	.	NP_00115	XP_011521	protein_co	ENSG0000	79918	26116
SETD7	0.012031	0.012604	0.010523	0.053932	0.013499	0.060858	SET domain containing lysine methyltransferase 7 [Source:HGNC	chr4:14041	NM_00130	XM_01153	.	.	NP_00129	XP_011530	protein_co	ENSG0000	80854	30412
SETD9	4.38639	3.5773	4.69138	4.8665	3.88902	4.0654	SET domain containing 9 [Source:HGNC Symbol;Acc:HGNC:28508	chr5:56205	NM_00117	XM_01154	.	.	NP_00116	XP_011541	protein_co	ENSG0000	133383	28508
SETDB1	10.9569	11.302	10.7228	9.49663	8.6801	9.27612	SET domain bifurcated 1 [Source:HGNC Symbol;Acc:HGNC:10761	chr1:15089	NM_00114	XM_01700	.	.	NP_00113	XP_005245	protein_co	ENSG0000	9869	10761
SETDB2	1.93855	2.2707	2.26062	1.16022	2.01856	1.93038	SET domain bifurcated 2 [Source:HGNC Symbol;Acc:HGNC:20263	chr13:4988	NM_00116	XM_01153	.	.	NP_00115	XP_005266	protein_co	ENSG0000	83852	20263
SETMAR	8.38693	7.60164	6.94409	10.2961	8.60176	6.9452	SET domain and mariner transposase fusion gene [Source:HGNC S	chr3:43449	NM_00124	XM_00671	.	.	NP_00123	.	protein_co	ENSG0000	6419	10762
SETSIP	0.817151	0.864627	0.32727	1.16794	1.02987	1.02695	SET-like protein [Source:HGNC Symbol;Acc:HGNC:42937]	chr1:92540	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	646817	42937
SETX	14.5397	14.4249	14.4531	13.9175	17.4172	17.0467	senataxin [Source:HGNC Symbol;Acc:HGNC:445]	chr9:13513	NM_01504	XM_01701	.	.	NP_05586	XP_005272	protein_co	ENSG0000	23064	445
SEZ6	0	0	0.01676	0	0	0.019513	seizure related 6 homolog [Source:HGNC Symbol;Acc:HGNC:1595	chr17:2728	NM_00109	XM_01152	.	.	NP_00109	XP_011522	protein_co	ENSG0000	124925	15955
SEZ6L	0	0	0	0	0	0	seizure related 6 homolog like [Source:HGNC Symbol;Acc:HGNC:1	chr22:2656	NM_00118	XM_01153	.	.	NP_00117	XP_005261	protein_co	ENSG0000	23544	10763
SEZ6L2	13.9218	16.0958	15.7678	18.0712	15.2107	17.4089	seizure related 6 homolog like 2 [Source:HGNC Symbol;Acc:HGNC	chr16:2988	NM_00111	XM_00525	.	.	NP_00110	XP_005255	protein_co	ENSG0000	26470	30844
SF1	99.6633	100.202	106.074	112.912	113.563	116.447	splicing factor 1 [Source:HGNC Symbol;Acc:HGNC:12950]	chr11:6453	NM_00117	XM_01701	.	.	NP_00117	XP_011543	protein_co	ENSG0000	7536	12950
SF3A1	32.5491	34.2731	27.6508	36.475	33.8181	25.1162	splicing factor 3a subunit 1 [Source:HGNC Symbol;Acc:HGNC:107	chr22:3072	NM_00587	.	.	.	NP_00586	.	protein_co	ENSG0000	10291	10765
SF3A2	50.7217	54.2768	42.3743	59.8191	47.3949	46.9118	splicing factor 3a subunit 2 [Source:HGNC Symbol;Acc:HGNC:107	chr19:2164	NM_00716	.	.	.	NP_00909	.	protein_co	ENSG0000	8175	10766
SF3A3	49.8877	49.2004	40.4773	55.4241	51.3924	40.6358	splicing factor 3a subunit 3 [Source:HGNC Symbol;Acc:HGNC:107	chr1:38422	NM_00680	XM_00527	.	.	NP_00679	.	protein_co	ENSG0000	10946	10767
SF3B1	100.645	95.9776	107.407	88.6347	100.072	104.996	splicing factor 3b subunit 1 [Source:HGNC Symbol;Acc:HGNC:107	chr2:19825	NM_00100	XM_01151	.	.	NP_00100	.	protein_co	ENSG0000	23451	10768
SF3B2	116.131	117.798	94.1159	146.117	131.764	91.8673	splicing factor 3b subunit 2 [Source:HGNC Symbol;Acc:HGNC:107	chr11:6581	NM_00684	XM_01154	.	.	NP_00683	XP_005273	protein_co	ENSG0000	10992	10769
SF3B3	25.957	27.4718	22.8236	30.4475	27.8435	21.4842	splicing factor 3b subunit 3 [Source:HGNC Symbol;Acc:HGNC:107	chr16:7055	NM_01242	.	.	.	NP_03655	.	protein_co	ENSG0000	23450	10770
SF3B4	73.4426	68.8942	54.384	91.31	79.0274	50.356	splicing factor 3b subunit 4 [Source:HGNC Symbol;Acc:HGNC:107	chr1:14989	NM_00585	.	.	.	NP_00584	.	protein_co	ENSG0000	10262	10771
SF3B5	211.205	196.689	195.436	317.527	205.47	169.591	splicing factor 3b subunit 5 [Source:HGNC Symbol;Acc:HGNC:210	chr6:14441	NM_03128	.	.	.	NP_11257	.	protein_co	ENSG0000	83443	21083
SF3B6	144.526	134.345	144.049	176.618	146.217	154.129	splicing factor 3b subunit 6 [Source:HGNC Symbol;Acc:HGNC:300	chr2:24290	NM_01604	.	.	.	NP_05713	.	protein_co	ENSG0000	51639	30096
SFI1	6.21315	7.41438	7.46969	5.89416	6.50018	6.22501	SFI1 centrin binding protein [Source:HGNC Symbol;Acc:HGNC:290	chr22:3189	NM_00100	XM_01702	.	.	NP_00100	XP_005261	protein_co	ENSG0000	9814	29064
SFMBT1	6.30484	7.08156	6.21133	6.09082	7.37643	9.11374	Scm-like with four mbt domains 1 [Source:HGNC Symbol;Acc:HGN	chr3:52937	NM_01632	XM_01153	.	.	NP_05741	XP_005265	protein_co	ENSG0000	51460	20255
SFMBT2	0	0	0	0	0	0	Scm-like with four mbt domains 2 [Source:HGNC Symbol;Acc:HGN	chr10:7200	NM_00101	XM_01701	.	.	NP_00101	XP_006717	protein_co	ENSG0000	57713	20256
SFN	149.773	147.324	166.279	167.615	145.729	104.518	stratifin [Source:HGNC Symbol;Acc:HGNC:10773]	chr1:27189	NM_00614	.	.	.	NP_00613	.	protein_co	ENSG0000	2810	10773
SFPQ	114.951	122.366	109.328	147.778	139.282	119.33	splicing factor proline and glutamine rich [Source:HGNC Symbol;A	chr1:35648	NM_00506	XM_01154	.	.	NP_00505	XP_005271	protein_co	ENSG0000	6421	10774
SFR1	31.9801	30.5355	25.8346	31.2388	34.3344	26.4967	SWI5 dependent homologous recombination repair protein 1 [So	chr10:1058	NM_00100	XM_01701	.	.	NP_00100	XP_016871	protein_co	ENSG0000	119392	29574
SFRP1	0	0	0	0	0	0	secreted frizzled related protein 1 [Source:HGNC Symbol;Acc:HGN	chr8:41119	NM_00301	.	.	.	NP_00300	.	protein_co	ENSG0000	6422	10776
SFRP2	0	0	0	0	0	0	secreted frizzled related protein 2 [Source:HGNC Symbol;Acc:HGN	chr4:15470	NM_00301	.	.	.	NP_00300	.	protein_co	ENSG0000	6423	10777
SFRP4	0	0.03132	0	0	0	0	secreted frizzled related protein 4 [Source:HGNC Symbol;Acc:HGN	chr7:37723	NM_00301	.	.	.	NP_00300	.	protein_co	ENSG0000	6424	10778
SFRP5	0	0	0	0	0	0	secreted frizzled related protein 5 [Source:HGNC Symbol;Acc:HGN	chr10:9952	NM_00301	.	.	.	NP_00300	.	protein_co	ENSG0000	6425	10779
SFSWAP	15.6426	14.379	13.0338	17.2479	15.5836	11.5182	splicing factor SWAP homolog [Source:HGNC Symbol;Acc:HGNC:1	chr12:1321	NM_00126	XM_01153	.	.	NP_00124	XP_011536	protein_co	ENSG0000	6433	10790
SFT2D1	42.1389	34.0394	45.768	40.5425	42.6076	48.7844	SFT2 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2110	chr6:16673	NM_14516	.	.	.	NP_66015	.	protein_co	ENSG0000	113402	21102
SFT2D2	15.5295	16.0846	15.5513	14.2075	18.8715	20.1318	SFT2 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:2514	chr1:16819	NM_19934	.	.	.	NP_95537	.	protein_co	ENSG0000	375035	25140
SFT2D3	2.26191	2.94553	3.03683	2.77435	2.66127	4.13641	SFT2 domain containing 3 [Source:HGNC Symbol;Acc:HGNC:2876	chr2:12845	NM_03274	.	.	.	NP_11612	.	protein_co	ENSG0000	84826	28767
SFTA2	0	0	0	0	0	0	surfactant associated 2 [Source:HGNC Symbol;Acc:HGNC:18386]	chr6:30899	NM_20585	.	.	.	NP_99532	.	protein_co	ENSG0000	389376	18386
SFTA3	0	0	0	0	0	0	surfactant associated 3 [Source:HGNC Symbol;Acc:HGNC:18387]	chr14:3694	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	253970	18387
SFTPA1	0	0	0	0	0	0	surfactant protein A1 [Source:HGNC Symbol;Acc:HGNC:10798]	chr10:8137	NM_00109	XM_00671	.	.	NP_00108	XP_005270	protein_co	ENSG0000	653509	10798
SFTPA2	0	0	0	0	0.105031	0	surfactant protein A2 [Source:HGNC Symbol;Acc:HGNC:10799]	chr10:8131	NM_00109	XM_01701	.	.	NP_00109	XP_005270	protein_co	ENSG0000	729238	10799
SFTPB	0	0	0	0	0	0	surfactant protein B [Source:HGNC Symbol;Acc:HGNC:10801]	chr2:85884	NM_00054	XM_01700	.	.	NP_00053	XP_005264	protein_co	ENSG0000	6439	10801
SFTPC	0	0	0	0.387131	0	0	surfactant protein C [Source:HGNC Symbol;Acc:HGNC:10802]	chr8:22019	NM_00117	XM_01154	.	.	NP_00116	XP_006716	protein_co	ENSG0000	6440	10802
SFTPD	0	0	0.042799	0	0	0	surfactant protein D [Source:HGNC Symbol;Acc:HGNC:10803]	chr10:8169	NM_00301	XM_01154	.	.	NP_00301	XP_011538	protein_co	ENSG0000	6441	10803
SFXN1	50.3094	51.0898	53.4337	65.4329	66.8017	60.5531	sideroflexin 1 [Source:HGNC Symbol;Acc:HGNC:16085]	chr5:17490	NM_00132	XM_00526	.	.	NP_00130	.	protein_co	ENSG0000	94081	16085
SFXN2	4.73785	4.82979	3.86731	4.21824	3.54433	2.52757	sideroflexin 2 [Source:HGNC Symbol;Acc:HGNC:16086]	chr10:1044	NM_17885	XM_01153	.	.	NP_84918	XP_011537	protein_co	ENSG0000	118980	16086

SFXN3	21.6763	22.0317	23.533	19.4477	19.1119	18.2328	sideroflexin 3 [Source:HGNC Symbol;Acc:HGNC:16087]	chr10:1027	NM_03097	.	.	.	NP_11223	.	protein_co	ENSG0000	81855	16087
SFXN4	40.0024	37.4079	36.4168	42.5545	32.905	30.2991	sideroflexin 4 [Source:HGNC Symbol;Acc:HGNC:16088]	chr10:1209	NM_21364	XM_01153	.	.	NP_99881	XP_005269	protein_co	ENSG0000	119559	16088
SFXN5	3.95621	3.61334	3.43677	3.66743	3.07453	2.21673	sideroflexin 5 [Source:HGNC Symbol;Acc:HGNC:16073]	chr2:73169	NM_14457	XM_01153	.	.	NP_65318	XP_005264	protein_co	ENSG0000	94097	16073
SGCA	0.08	0.157095	0.050525	0.133846	0.092992	0.130584	sarcoglycan alpha [Source:HGNC Symbol;Acc:HGNC:10805]	chr17:4824	NM_00002	XM_01152	.	.	NP_00001	XP_011523	protein_co	ENSG0000	6442	10805
SGCB	8.32505	8.43537	7.26442	9.56357	11.1129	13.4029	sarcoglycan beta [Source:HGNC Symbol;Acc:HGNC:10806]	chr4:52886	NM_00023	XM_01153	.	.	NP_00022	.	protein_co	ENSG0000	6443	10806
SGCD	0	0	0	0	0	0	sarcoglycan delta [Source:HGNC Symbol;Acc:HGNC:10807]	chr5:15529	NM_00033	XM_01153	.	.	NP_00032	XP_005266	protein_co	ENSG0000	6444	10807
SGCE	8.46786	8.86336	7.88784	7.94387	7.48111	9.95777	sarcoglycan epsilon [Source:HGNC Symbol;Acc:HGNC:10808]	chr7:94214	NM_00109	XM_01701	.	.	NP_00109	XP_005250	protein_co	ENSG0000	8910	10808
SGCG	0	0	0	0	0	0	sarcoglycan gamma [Source:HGNC Symbol;Acc:HGNC:10809]	chr13:2375	NM_00023	XM_00671	.	.	NP_00022	XP_005266	protein_co	ENSG0000	6445	10809
SGCZ	0	0	0	0	0	0	sarcoglycan zeta [Source:HGNC Symbol;Acc:HGNC:14075]	chr8:13947	NM_13916	.	.	.	NP_00130	.	protein_co	ENSG0000	137868	14075
SGF29	9.68967	8.87869	5.78539	8.07198	7.24396	4.9597	SAGA complex associated factor 29 [Source:HGNC Symbol;Acc:H	chr16:2856	NM_13841	.	.	.	NP_61242	.	protein_co	ENSG0000	112869	25156
SGIP1	0.138293	0.2133	0.111319	0.383927	0.22456	0.269503	SH3 domain GRB2 like endophilin interacting protein 1 [Source:H	chr1:66999	NM_00130	XM_01700	.	.	NP_00129	XP_005271	protein_co	ENSG0000	84251	25412
SGK1	2.66119	2.42815	5.9588	2.87566	2.39899	2.40167	serum/glucocorticoid regulated kinase 1 [Source:HGNC Symbol;A	chr6:13449	NM_00114	XM_01153	.	.	NP_00113	XP_011534	protein_co	ENSG0000	6446	10810
SGK2	0.765342	0.530091	0.860964	0.541384	0.733008	0.703064	SGK2, serine/threonine kinase 2 [Source:HGNC Symbol;Acc:HGN	chr20:4218	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	10110	13900
SGK223	10.142	10.295	10.7368	9.26066	8.09977	10.7585	Tyrosine-protein kinase SgK223 [Source:UniProtKB/Swiss-Prot;A	chr8:81752	NM_00108	XM_00527	.	.	NP_00107	XP_005272	protein_co	ENSG0000	157285	.
SGK3	5.99227	5.98508	5.38124	5.87438	7.77591	7.17687	serum/glucocorticoid regulated kinase family member 3 [Source:	chr8:67579	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	23678	10812
SGK494	1.50392	0.895523	1.1843	2.3314	3.33736	1.49825	uncharacterized serine/threonine-protein kinase SgK494 [Source	chr17:2693	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	124923	.
SGMS1	6.8683	7.84832	5.35383	6.09484	6.73351	8.16178	sphingomyelin synthase 1 [Source:HGNC Symbol;Acc:HGNC:2979	chr10:5206	NM_14715	XM_01153	.	.	NP_67151	XP_005269	protein_co	ENSG0000	259230	29799
SGMS2	7.53467	9.51235	8.05627	6.41809	6.61531	8.74751	sphingomyelin synthase 2 [Source:HGNC Symbol;Acc:HGNC:2839	chr4:10874	NM_00113	XM_01700	.	.	NP_00112	XP_006714	protein_co	ENSG0000	166929	28395
SGO1	7.85281	7.86483	7.24644	8.88379	11.0312	10.5134	shugoshin 1 [Source:HGNC Symbol;Acc:HGNC:25088]	chr3:20202	NM_00101	XM_01153	.	.	NP_00101	XP_011531	protein_co	ENSG0000	151648	25088
SGO2	6.9872	6.61462	8.11123	11.9264	19.0696	13.6553	shugoshin 2 [Source:HGNC Symbol;Acc:HGNC:30812]	chr2:20139	NM_00116	XM_01700	.	.	NP_00115	XP_005246	protein_co	ENSG0000	151246	30812
SGPL1	23.2759	25.6608	24.1814	18.3191	19.6658	28.0147	sphingosine-1-phosphate lyase 1 [Source:HGNC Symbol;Acc:HGN	chr10:7257	NM_00390	XM_01154	.	.	NP_00389	XP_005270	protein_co	ENSG0000	8879	10817
SGPP1	5.72323	7.47318	8.51008	7.1815	7.44316	11.4178	sphingosine-1-phosphate phosphatase 1 [Source:HGNC Symbol;A	chr14:6415	NM_03079	.	.	.	NP_11041	.	protein_co	ENSG0000	81537	17720
SGPP2	1.82118	2.51125	2.22343	2.44099	2.75137	3.8449	sphingosine-1-phosphate phosphatase 2 [Source:HGNC Symbol;A	chr2:22328	NM_15238	.	.	.	NP_68959	.	protein_co	ENSG0000	130367	19953
SGSH	9.39319	10.7231	12.9097	6.55854	6.29254	7.439	N-sulfoglucosamine sulfohydrolase [Source:HGNC Symbol;Acc:H	chr17:7814	NM_00019	.	.	.	NP_00019	.	protein_co	ENSG0000	6448	10818
SGSM1	1.59258	1.74757	2.20823	1.56048	1.6673	2.18449	small G protein signaling modulator 1 [Source:HGNC Symbol;Acc:	chr22:2520	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	129049	29410
SGSM2	13.3856	13.2502	17.4947	12.0943	10.7786	9.47854	small G protein signaling modulator 2 [Source:HGNC Symbol;Acc:	chr17:2240	NM_00109	XM_01702	.	.	NP_00109	XP_011522	protein_co	ENSG0000	9905	29026
SGSM3	19.6077	19.6178	20.3298	19.3174	17.2583	18.5904	small G protein signaling modulator 3 [Source:HGNC Symbol;Acc:	chr22:4076	NM_00130	XM_01153	.	.	NP_00128	XP_005261	protein_co	ENSG0000	27352	25228
SGTA	69.2001	75.4343	62.8356	89.4997	77.2304	59.6076	small glutamine rich tetratricopeptide repeat containing alpha [S	chr19:2754	NM_00302	XM_01152	.	.	NP_00301	XP_011526	protein_co	ENSG0000	6449	10819
SGTB	3.15409	2.80592	4.71836	4.18623	4.44004	6.18804	small glutamine rich tetratricopeptide repeat containing beta [So	chr5:64920	NM_01907	XM_00524	.	.	NP_06194	XP_005248	protein_co	ENSG0000	54557	23567
SH2B1	12.7912	12.9311	13.768	13.7739	11.3657	10.2004	SH2B adaptor protein 1 [Source:HGNC Symbol;Acc:HGNC:30417]	chr16:2885	NM_00114	XM_01702	.	.	NP_00113	XP_005255	protein_co	ENSG0000	25970	30417
SH2B2	3.11316	3.8028	4.53282	4.33937	2.67746	2.66042	SH2B adaptor protein 2 [Source:HGNC Symbol;Acc:HGNC:17381]	chr7:10192	NM_02097	XM_01701	.	.	NP_06618	XP_005277	protein_co	ENSG0000	10603	17381
SH2B3	9.52475	10.0571	12.4972	14.179	16.3441	30.419	SH2B adaptor protein 3 [Source:HGNC Symbol;Acc:HGNC:29605]	chr12:1118	NM_00129	XM_01153	.	.	NP_00127	XP_005253	protein_co	ENSG0000	10019	29605
SH2D1A	0	0	0	0	0	0	SH2 domain containing 1A [Source:HGNC Symbol;Acc:HGNC:1082	chrX:12348	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	4068	10820
SH2D1B	0.035717	0	0.092753	0	0	0	SH2 domain containing 1B [Source:HGNC Symbol;Acc:HGNC:3041	chr1:16236	NM_05328	.	.	.	NP_44451	.	protein_co	ENSG0000	117157	30416
SH2D2A	1.60735	1.07303	1.88172	2.37218	2.58221	1.15267	SH2 domain containing 2A [Source:HGNC Symbol;Acc:HGNC:1082	chr1:15677	NM_00116	XM_01700	.	.	NP_00115	XP_006711	protein_co	ENSG0000	9047	10821
SH2D3A	23.4851	25.3037	25.2959	19.5307	19.5526	23.0805	SH2 domain containing 3A [Source:HGNC Symbol;Acc:HGNC:1688	chr19:6752	NM_00549	XM_00672	.	.	NP_00548	XP_005259	protein_co	ENSG0000	10045	16885
SH2D3C	0.581062	0.434977	0.592127	0.544623	0.5791	0.554511	SH2 domain containing 3C [Source:HGNC Symbol;Acc:HGNC:1688	chr9:13050	NM_00114	XM_01151	.	.	NP_00113	XP_005251	protein_co	ENSG0000	10044	16884
SH2D4A	13.2171	13.453	12.0743	13.5991	12.2796	9.79869	SH2 domain containing 4A [Source:HGNC Symbol;Acc:HGNC:2610	chr8:19171	NM_00117	XM_01154	.	.	NP_00116	XP_011542	protein_co	ENSG0000	63898	26102
SH2D4B	0.026001	0.019647	0	0.105753	0.146817	0.019639	SH2 domain containing 4B [Source:HGNC Symbol;Acc:HGNC:3144	chr10:8229	NM_00114	.	.	.	NP_00113	XP_016871	protein_co	ENSG0000	387694	31440
SH2D5	6.55504	6.78854	6.37538	7.37639	6.74621	4.76201	SH2 domain containing 5 [Source:HGNC Symbol;Acc:HGNC:28819	chr1:21046	NM_00110	XM_01154	.	.	NP_00109	XP_011539	protein_co	ENSG0000	400745	28819
SH2D6	0.205386	0.139987	0.148211	0	0.28813	0.371	SH2 domain containing 6 [Source:HGNC Symbol;Acc:HGNC:30439	chr2:85646	NM_19848	XM_01153	.	.	NP_94088	XP_011531	protein_co	ENSG0000	284948	30439
SH2D7	0	0	0	0	0	0	SH2 domain containing 7 [Source:HGNC Symbol;Acc:HGNC:34549	chr15:7837	NM_00110	XM_01152	.	.	NP_00109	XP_011520	protein_co	ENSG0000	646892	34549
SH3BGR	3.2753	2.13542	2.64148	1.94624	2.3554	2.36444	SH3 domain binding glutamate rich protein [Source:HGNC Symbo	chr21:4081	NM_00100	XM_00672	.	.	NP_00100	XP_005261	protein_co	ENSG0000	6450	10822
SH3BGRL	16.1669	17.3866	25.3075	17.8844	19.8366	32.2898	SH3 domain binding glutamate rich protein like [Source:HGNC Sy	chrX:80457	NM_00302	.	.	.	NP_00301	.	protein_co	ENSG0000	6451	10823
SH3BGRL2	3.7324	3.76795	4.40798	4.11769	4.78572	4.99453	SH3 domain binding glutamate rich protein like 2 [Source:HGNC S	chr6:80340	NM_03146	XM_01153	.	.	NP_11365	XP_011534	protein_co	ENSG0000	83699	15567
SH3BGRL3	93.9186	90.3501	80.961	93.9035	76.857	67.2145	SH3 domain binding glutamate rich protein like 3 [Source:HGNC S	chr1:26605	NM_03128	.	.	.	NP_11257	.	protein_co	ENSG0000	83442	15568
SH3BP1	17.2252	16.991	16.8329	18.7793	17.893	14.3249	SH3 domain binding protein 1 [Source:HGNC Symbol;Acc:HGNC:1	chr22:3803	NM_01895	.	.	.	NP_06183	.	protein_co	ENSG0000	23616	10824
SH3BP2	11.0064	12.0455	11.3074	12.7832	10.3975	13.3037	SH3 domain binding protein 2 [Source:HGNC Symbol;Acc:HGNC:1	chr4:27947	NM_00112	XM_01151	.	.	NP_00111	XP_005248	protein_co	ENSG0000	6452	10825
SH3BP4	17.029	16.7677	16.2522	14.682	14.3635	16.1462	SH3 domain binding protein 4 [Source:HGNC Symbol;Acc:HGNC:1	chr2:23586	NM_01452	XM_01151	.	.	NP_05533	XP_011509	protein_co	ENSG0000	23677	10826
SH3BP5	14.9261	15.9132	14.4332	14.4324	14.8721	14.1655	SH3 domain binding protein 5 [Source:HGNC Symbol;Acc:HGNC:1	chr3:15296	NM_00101	XM_01153	.	.	NP_00101	XP_011532	protein_co	ENSG0000	9467	10827
SH3BP5L	17.0344	15.8564	13.3331	14.2951	14.1557	13.809	SH3 binding domain protein 5 like [Source:HGNC Symbol;Acc:HG	chr1:24910	NM_03064	.	.	.	NP_08514	.	protein_co	ENSG0000	80851	29360
SH3D19	9.14754	9.52455	10.0982	6.25434	6.76908	8.29675	SH3 domain containing 19 [Source:HGNC Symbol;Acc:HGNC:3041	chr4:15204	NM_00100	XM_01700	.	.	NP_00100	XP_005262	protein_co	ENSG0000	152503	30418
SH3D21	1.43009	0.73066	1.0956	0.963217	0.719811	0.888067	SH3 domain containing 21 [Source:HGNC Symbol;Acc:HGNC:2623	chr1:36771	NM_00116	XM_01700	.	.	NP_00115	XP_011540	protein_co	ENSG0000	79729	26236
SH3GL1	40.2468	40.1997	40.0784	43.5994	38.649	36.8754	SH3 domain containing GRB2 like 1, endophilin A2 [Source:HGNC	chr19:4360	NM_00119	XM_01702	.	.	NP_00118	XP_011526	protein_co	ENSG0000	6455	10830
SH3GL2	0	0	0	0.032093	0	0	SH3 domain containing GRB2 like 2, endophilin A1 [Source:HGNC	chr9:17579	NM_00302	.	.	.	NP_00301	.	protein_co	ENSG0000	6456	10831
SH3GL3	0.712603	0.131852	0.780412	0.471001	0.611947	1.09855	SH3 domain containing GRB2 like 3, endophilin A3 [Source:HGNC	chr15:8411	NM_00130	XM_01152	.	.	NP_00128	XP_011520	protein_co	ENSG0000	6457	10832
SH3GLB1	21.0817	21.4603	17.0457	17.2697	18.7743	20.1554	SH3 domain containing GRB2 like endophilin B1 [Source:HGNC Sy	chr1:87170	NM_00120	XM_01154	.	.	NP_00119	XP_006710	protein_co	ENSG0000	51100	10833
SH3GLB2	33.5437	32.6202	34.0568	41.1492	33.0081	30.3643	SH3 domain containing GRB2 like endophilin B2 [Source:HGNC Sy	chr9:13168	NM_00128	XM_00671	.	.	NP_00127	XP_005252	protein_co	ENSG0000	56904	10834
SH3KBP1	19.6034	20.4572	18.1332	19.226	20.2604	27.7749	SH3 domain containing kinase binding protein 1 [Source:HGNC Sy	chrX:19552	NM_00102	XM_01154	.	.	NP_00101	XP_005274	protein_co	ENSG0000	30011	13867

SH3PXD2A	2.3824	2.54829	2.84667	1.90642	2.44921	2.65704	SH3 and PX domains 2A [Source:HGNC Symbol;Acc:HGNC:23664]	chr10:1053	NM_01463	XM_01701	.	.	NP_05544	XP_005270	protein_co	ENSG0000	9644	23664
SH3PXD2B	10.7832	11.1533	11.7859	13.7632	12.7265	11.9506	SH3 and PX domains 2B [Source:HGNC Symbol;Acc:HGNC:29242]	chr5:17175	NM_00101	XM_00526	.	.	NP_00101	XP_005265	protein_co	ENSG0000	285590	29242
SH3RF1	14.2262	14.4635	14.0514	17.5234	17.7029	18.3646	SH3 domain containing ring finger 1 [Source:HGNC Symbol;Acc:H	chr4:17001	NM_02087	.	.	.	NP_06592	.	protein_co	ENSG0000	57630	17650
SH3RF2	5.27423	6.44374	5.89752	2.9071	2.51614	3.50375	SH3 domain containing ring finger 2 [Source:HGNC Symbol;Acc:H	chr5:14531	NM_15255	XM_01700	.	.	NP_68976	XP_005268	protein_co	ENSG0000	153769	26299
SH3RF3	0	0	0	0.015322	0	0.015364	SH3 domain containing ring finger 3 [Source:HGNC Symbol;Acc:H	chr2:10974	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	344558	24699
SH3TC1	1.88799	1.84642	2.14686	2.37967	1.79003	3.11612	SH3 domain and tetratricopeptide repeats 1 [Source:HGNC Symb	chr4:82010	NM_00131	XM_01700	.	.	NP_00130	XP_011511	protein_co	ENSG0000	54436	26009
SH3TC2	3.12905	3.53122	3.45022	4.682	5.54864	4.51657	SH3 domain and tetratricopeptide repeats 2 [Source:HGNC Symb	chr5:14838	NM_02457	.	.	.	NP_07885	.	protein_co	ENSG0000	79628	29427
SH3YL1	10.3663	10.0391	12.6722	11.5806	13.9729	16.914	SH3 and SYLF domain containing 1 [Source:HGNC Symbol;Acc:HG	chr2:21813	NM_00115	.	NR_10422	.	NP_00115	.	protein_co	ENSG0000	26751	29546
SHANK1	0.262309	0.15189	0.900779	0.158358	0.258732	0.327031	SH3 and multiple ankyrin repeat domains 1 [Source:HGNC Symbo	chr19:5116	NM_01614	XM_01152	.	.	NP_05723	XP_006723	protein_co	ENSG0000	50944	15474
SHANK2	1.51913	1.43121	2.07096	1.47813	1.75072	3.11257	SH3 and multiple ankyrin repeat domains 2 [Source:HGNC Symbo	chr11:7031	NM_01230	XM_01154	.	.	NP_03644	XP_005277	protein_co	ENSG0000	22941	14295
SHANK3	7.22817	7.81752	7.34648	7.44012	6.89875	5.8056	SH3 and multiple ankyrin repeat domains 3 [Source:HGNC Symbo	chr22:5111	NM_03351	.	.	.	NP_27705	.	protein_co	ENSG0000	85358	14294
SHARPIN	20.7255	20.9163	20.7348	24.0427	17.8468	17.4003	SHANK associated RH domain interactor [Source:HGNC Symbol;A	chr8:14515	NM_03097	XM_01701	.	.	NP_11223	XP_016869	protein_co	ENSG0000	81858	25321
SHB	10.7378	10.2272	12.3822	11.7723	10.4063	10.6879	SH2 domain containing adaptor protein B [Source:HGNC Symbol;	chr9:37919	NM_00302	.	.	.	NP_00301	.	protein_co	ENSG0000	6461	10838
SHBG	0.179878	0.078172	0.177453	0	0.204279	0	sex hormone binding globulin [Source:HGNC Symbol;Acc:HGNC:1	chr17:7486	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	6462	10839
SHC1	68.996	69.2606	84.4662	99.7798	83.509	108.729	SHC adaptor protein 1 [Source:HGNC Symbol;Acc:HGNC:10840]	chr1:15493	NM_00113	XM_01150	.	.	NP_00112	XP_005245	protein_co	ENSG0000	6464	10840
SHC2	0.855475	0.702093	1.10972	0.643497	0.144382	0.605088	SHC adaptor protein 2 [Source:HGNC Symbol;Acc:HGNC:29869]	chr19:4165	NM_01243	XM_01152	.	.	NP_03656	XP_011526	protein_co	ENSG0000	25759	29869
SHC3	0.075954	0.125562	0.190995	0.092641	0.085757	0.17961	SHC adaptor protein 3 [Source:HGNC Symbol;Acc:HGNC:18181]	chr9:91620	NM_01684	XM_01151	.	.	NP_05854	XP_011517	protein_co	ENSG0000	53358	18181
SHC4	0.26037	0.204876	0.092975	0.156125	0.040047	0.353601	SHC adaptor protein 4 [Source:HGNC Symbol;Acc:HGNC:16743]	chr15:4911	NM_20334	XM_01152	.	.	NP_97622	XP_005254	protein_co	ENSG0000	399694	16743
SHCBP1	16.1058	18.6395	14.5245	23.3266	24.1215	18.5816	SHC binding and spindle associated 1 [Source:HGNC Symbol;Acc:	chr16:4661	NM_02474	.	.	.	NP_07902	.	protein_co	ENSG0000	79801	29547
SHCBP1L	0	0	0	0	0	0	SHC binding and spindle associated 1 like [Source:HGNC Symbol;	chr1:18286	NM_03093	.	.	.	NP_11219	.	protein_co	ENSG0000	81626	16788
SHD	0.416256	0.199798	0.499062	0.362025	0.195539	0.236874	Src homology 2 domain containing transforming protein D [Sourc	chr19:4278	NM_02020	.	.	.	NP_06459	.	protein_co	ENSG0000	56961	30633
SHE	0	0	0	0	0	0	Src homology 2 domain containing E [Source:HGNC Symbol;Acc:H	chr1:15445	NM_00101	XM_01150	.	.	NP_00101	XP_011507	protein_co	ENSG0000	126669	27004
SHF	0.629371	0.777497	1.47434	2.37259	1.56387	2.06383	Src homology 2 domain containing F [Source:HGNC Symbol;Acc:H	chr15:4545	NM_00130	XM_01152	.	.	NP_00128	XP_006720	protein_co	ENSG0000	90525	25116
SHFM1	133.285	144.838	124.61	126.138	117.012	129.865	split hand/foot malformation (ectrodactyly) type 1 [Source:HGNC	chr7:96251	NM_00120	.	NR_03894	.	NP_00118	.	protein_co	ENSG0000	100506136	10845
SHH	0.207046	0.300095	0.256363	0.176125	0	0.024397	sonic hedgehog [Source:HGNC Symbol;Acc:HGNC:10848]	chr7:15559	NM_00019	.	.	.	NP_00018	.	protein_co	ENSG0000	6469	10848
SHISA2	0	0	0	0	0	0	shisa family member 2 [Source:HGNC Symbol;Acc:HGNC:20366]	chr13:2661	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	387914	20366
SHISA3	0	0	0	0	0	0	shisa family member 3 [Source:HGNC Symbol;Acc:HGNC:25159]	chr4:42399	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	152573	25159
SHISA4	10.3247	9.12134	12.1245	9.02777	9.72624	9.68216	shisa family member 4 [Source:HGNC Symbol;Acc:HGNC:27139]	chr1:20185	NM_19814	.	.	.	NP_93779	XP_016855	protein_co	ENSG0000	149345	27139
SHISA5	74.163	70.0269	61.4916	67.2661	59.3528	54.6387	shisa family member 5 [Source:HGNC Symbol;Acc:HGNC:30376]	chr3:48509	NM_00127	XM_01153	.	.	NP_00125	XP_005265	protein_co	ENSG0000	51246	30376
SHISA6	0	0	0	0	0	0	shisa family member 6 [Source:HGNC Symbol;Acc:HGNC:34491]	chr17:1114	NM_00117	.	.	.	NP_00116	XP_016880	protein_co	ENSG0000	388336	34491
SHISA7	0.026565	0	0.011432	0.028593	0.015291	0.014465	shisa family member 7 [Source:HGNC Symbol;Acc:HGNC:35409]	chr19:5594	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	729956	35409
SHISA8	6.78996	9.31161	9.31484	7.97684	6.00381	7.5955	shisa family member 8 [Source:HGNC Symbol;Acc:HGNC:18351]	chr22:4230	NM_00120	XM_00672	.	.	NP_00119	XP_006724	protein_co	ENSG0000	440829	18351
SHISA9	0	0	0	0	0	0	shisa family member 9 [Source:HGNC Symbol;Acc:HGNC:37231]	chr16:1299	NM_00114	.	.	.	NP_00113	XP_005255	protein_co	ENSG0000	729993	37231
SHKBP1	33.5044	35.9566	35.5029	38.1616	32.2867	33.3238	SH3KBP1 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:192	chr19:4108	NM_13839	XM_01702	.	.	NP_61240	XP_006723	protein_co	ENSG0000	92799	19214
SHMT1	27.9491	24.4983	27.0232	32.3855	27.7557	24.054	serine hydroxymethyltransferase 1 [Source:HGNC Symbol;Acc:HG	chr17:1821	NM_00128	XM_01702	NR_10683	.	NP_00126	XP_005256	protein_co	ENSG0000	102466733	10850
SHMT2	137.094	142.476	115.857	154.387	135.231	172.553	serine hydroxymethyltransferase 2 [Source:HGNC Symbol;Acc:HG	chr12:5762	NM_00116	XM_01153	.	.	NP_00115	XP_011536	protein_co	ENSG0000	6472	10852
SHOC2	14.3813	14.5183	13.5759	13.2574	18.1541	21.8414	SHOC2, leucine rich repeat scaffold protein [Source:HGNC Symbo	chr10:1126	NM_00126	XM_01701	.	.	NP_00125	XP_016872	protein_co	ENSG0000	8036	15454
SHOX	0	0	0	0	0	0	short stature homeobox [Source:HGNC Symbol;Acc:HGNC:10853]	chrX:58507	NM_00045	.	.	.	NP_00044	.	protein_co	ENSG0000	6473	10853
SHOX2	5.24708	5.48069	4.94281	4.2247	4.51027	5.36319	short stature homeobox 2 [Source:HGNC Symbol;Acc:HGNC:1085	chr3:15781	NM_00116	XM_01151	.	.	NP_00115	XP_006713	protein_co	ENSG0000	6474	10854
SHPK	12.2072	13.8113	13.0643	15.4632	13.8897	8.82963	sedoheptulokinase [Source:HGNC Symbol;Acc:HGNC:1492]	chr17:3468	NM_01327	.	.	.	NP_03740	.	protein_co	ENSG0000	23729	1492
SHPRH	3.25045	3.01425	3.31848	2.28654	3.04932	2.61043	SNF2 histone linker PHD RING helicase [Source:HGNC Symbol;Acc	chr6:14620	NM_00104	XM_01153	.	.	NP_00103	XP_006715	protein_co	ENSG0000	257218	19336
SHQ1	11.5697	12.2037	11.2352	14.2105	13.5171	10.6747	SHQ1, H/ACA ribonucleoprotein assembly factor [Source:HGNC S	chr3:72798	NM_01813	XM_01153	.	.	NP_06060	XP_011532	protein_co	ENSG0000	55164	25543
SHROOM1	6.07065	6.88544	4.79764	4.87435	5.17704	3.45349	shroom family member 1 [Source:HGNC Symbol;Acc:HGNC:2408	chr5:13215	NM_00117	XM_01154	.	.	NP_00116	XP_005271	protein_co	ENSG0000	134549	24084
SHROOM2	2.19821	2.26546	2.04536	1.3364	1.78121	1.60354	shroom family member 2 [Source:HGNC Symbol;Acc:HGNC:630]	chrX:97544	NM_00132	XM_01702	.	.	NP_00130	XP_005274	protein_co	ENSG0000	357	630
SHROOM3	3.77041	4.43956	4.29789	4.8971	4.96131	5.8132	shroom family member 3 [Source:HGNC Symbol;Acc:HGNC:3042	chr4:77356	NM_02085	XM_01153	.	.	NP_06591	XP_005263	protein_co	ENSG0000	57619	30422
SHROOM4	0	0.010777	0	0	0	0	shroom family member 4 [Source:HGNC Symbol;Acc:HGNC:2921	chrX:50334	NM_02071	XM_01153	.	.	NP_06576	XP_006724	protein_co	ENSG0000	57477	29215
SHTN1	23.4522	23.3138	25.7545	17.2439	19.3326	23.9595	shootin 1 [Source:HGNC Symbol;Acc:HGNC:29319]	chr10:1184	NM_00112	XM_00671	.	.	NP_00112	XP_005270	protein_co	ENSG0000	57698	29319
SI	0	0	0	0	0	0	sucrase-isomaltase [Source:HGNC Symbol;Acc:HGNC:10856]	chr3:16469	NM_00104	XM_01151	.	.	NP_00103	XP_011511	protein_co	ENSG0000	6476	10856
SIAE	15.3698	16.7253	22.2922	16.0346	18.3217	19.6827	sialic acid acetylesterase [Source:HGNC Symbol;Acc:HGNC:18187	chr11:1244	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	54414	18187
SIAH1	15.0721	14.2838	12.7745	12.3744	13.7819	17.4416	siah E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;Acc:HGN	chr16:4839	NM_00100	XM_01152	.	.	NP_00100	XP_006721	protein_co	ENSG0000	6477	10857
SIAH2	27.178	23.8981	24.8308	26.4445	26.4948	34.8807	siah E3 ubiquitin protein ligase 2 [Source:HGNC Symbol;Acc:HGN	chr3:15045	NM_00506	.	.	.	NP_00505	.	protein_co	ENSG0000	6478	10858
SIAH3	0	0	0	0	0	0	siah E3 ubiquitin protein ligase family member 3 [Source:HGNC S	chr13:4635	NM_19884	.	.	.	NP_94214	.	protein_co	ENSG0000	283514	30553
SIDT1	0	0.032838	0.028277	0	0	0	SID1 transmembrane family member 1 [Source:HGNC Symbol;Acc	chr3:11325	NM_00130	XM_01151	.	.	NP_00129	XP_005247	protein_co	ENSG0000	54847	25967
SIDT2	7.68252	6.71091	7.92102	6.92926	5.70928	5.94027	SID1 transmembrane family member 2 [Source:HGNC Symbol;Acc	chr11:1170	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	51092	24272
SIGIRR	17.2324	18.8481	18.5239	17.3398	12.6146	12.5444	single Ig and TIR domain containing [Source:HGNC Symbol;Acc:H	chr11:4057	NM_00113	XM_01152	.	.	NP_00112	XP_005253	protein_co	ENSG0000	59307	30575
SIGLEC1	0.045741	0.022775	0.068618	0	0.026443	0.087653	sialic acid binding Ig like lectin 1 [Source:HGNC Symbol;Acc:HGN	chr20:3667	NM_02306	XM_01152	.	.	NP_07555	XP_006723	protein_co	ENSG0000	6614	11127
SIGLEC10	0	0	0	0	0	0	sialic acid binding Ig like lectin 10 [Source:HGNC Symbol;Acc:HGN	chr19:5191	NM_00117	XM_01152	.	.	NP_00116	XP_005259	protein_co	ENSG0000	89790	15620
SIGLEC11	0.029426	0	0	0	0	0	sialic acid binding Ig like lectin 11 [Source:HGNC Symbol;Acc:HGN	chr19:5045	NM_00113	XM_00525	.	.	NP_00112	XP_005258	protein_co	ENSG0000	114132	15622
SIGLEC12	0	0	0	0	0	0	sialic acid binding Ig like lectin 12 (gene/pseudogene) [Source:HG	chr19:5199	NM_03333	XM_01152	.	.	NP_20158	XP_011525	protein_co	ENSG0000	89858	15482

SIGLEC14	0.038746	0	0	0	0	0	sialic acid binding Ig like lectin 14 [Source:HGNC Symbol;Acc:HGN	chr19:5211	NM_00109	XM_01152	.	.	NP_00109	.	protein_co	ENSG0000	100495587	32926
SIGLEC15	0	0	0	0	0	0	sialic acid binding Ig like lectin 15 [Source:HGNC Symbol;Acc:HGN	chr18:4340	NM_21360	.	.	.	NP_99876	.	protein_co	ENSG0000	284266	27596
SIGLEC5	0	0	0	0	0	0	sialic acid binding Ig like lectin 5 [Source:HGNC Symbol;Acc:HGNC	chr19:5211	NM_00383	XM_01152	.	.	NP_00382	XP_011525	protein_co	ENSG0000	8778	10874
SIGLEC6	0	0	0	0	0	0	sialic acid binding Ig like lectin 6 [Source:HGNC Symbol;Acc:HGNC	chr19:5202	NM_00117	XM_01152	.	.	NP_00117	XP_011525	protein_co	ENSG0000	946	10875
SIGLEC7	0	0	0	0	0	0	sialic acid binding Ig like lectin 7 [Source:HGNC Symbol;Acc:HGNC	chr19:5164	NM_00127	XM_01152	.	.	NP_00126	XP_011525	protein_co	ENSG0000	27036	10876
SIGLEC8	0	0	0	0	0	0	sialic acid binding Ig like lectin 8 [Source:HGNC Symbol;Acc:HGNC	chr19:5195	NM_01444	XM_01152	.	.	NP_05525	XP_011525	protein_co	ENSG0000	27181	10877
SIGLEC9	0	0.041806	0.036391	0	0	0.0459	sialic acid binding Ig like lectin 9 [Source:HGNC Symbol;Acc:HGNC	chr19:5162	NM_00119	XM_01152	.	.	NP_00118	XP_006723	protein_co	ENSG0000	27180	10878
SIGLECL1	0	0	0	0	0	0	SIGLEC family like 1 [Source:HGNC Symbol;Acc:HGNC:26856]	chr19:5176	NM_00130	XM_01152	.	.	NP_00129	XP_005258	protein_co	ENSG0000	284369	26856
SIGMAR1	104.804	108.437	85.8253	105.208	87.9059	76.9955	sigma non-opioid intracellular receptor 1 [Source:HGNC Symbol;A	chr9:34634	NM_00128	XM_01151	.	.	NP_00126	.	protein_co	ENSG0000	10280	8157
SIK1	0.018409	2.56813	4.56567	0.046981	0.033766	2.78434	salt inducible kinase 1 [Source:HGNC Symbol;Acc:HGNC:11142]	chr21:4483	NM_17335	XM_01152	.	.	NP_77549	XP_011527	protein_co	ENSG0000	150094	11142
SIK2	4.93336	4.99389	5.28441	4.452	5.01421	4.76493	salt inducible kinase 2 [Source:HGNC Symbol;Acc:HGNC:21680]	chr11:1114	NM_01519	XM_01154	.	.	NP_05600	XP_016872	protein_co	ENSG0000	23235	21680
SIK3	4.91849	5.81426	4.72635	5.30108	5.63915	4.55911	SIK family kinase 3 [Source:HGNC Symbol;Acc:HGNC:29165]	chr11:1167	NM_00128	XM_01701	.	.	NP_00126	XP_005271	protein_co	ENSG0000	23387	29165
SIKE1	14.2508	15.7506	14.6711	12.8125	14.6712	13.3244	suppressor of IKBKE 1 [Source:HGNC Symbol;Acc:HGNC:26119]	chr1:11531	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	80143	26119
SIL1	16.7176	18.4221	14.6351	20.3881	15.6741	16.7733	SIL1 nucleotide exchange factor [Source:HGNC Symbol;Acc:HGNC	chr5:13828	NM_00103	XM_01154	.	.	NP_00103	XP_011541	protein_co	ENSG0000	64374	24624
SIM1	0	0	0	0	0	0	single-minded family bHLH transcription factor 1 [Source:HGNC S	chr6:10083	NM_00506	XM_01701	.	.	NP_00505	XP_005267	protein_co	ENSG0000	6492	10882
SIM2	4.25878	5.57022	5.01137	4.42178	5.14209	5.72523	single-minded family bHLH transcription factor 2 [Source:HGNC S	chr21:3807	NM_00506	.	.	.	NP_00506	.	protein_co	ENSG0000	6493	10883
SIMC1	7.93896	7.89916	7.98255	7.18464	7.19673	7.32672	SUMO interacting motifs containing 1 [Source:HGNC Symbol;Acc:	chr5:17566	NM_00130	XM_01153	.	.	NP_00129	XP_005265	protein_co	ENSG0000	375484	24779
SIN3A	16.1691	19.0838	15.4277	16.2031	16.2142	17.2567	SIN3 transcription regulator family member A [Source:HGNC Sym	chr15:7566	NM_00114	XM_00672	.	.	NP_00113	XP_006720	protein_co	ENSG0000	25942	19353
SIN3B	13.1695	14.2026	14.0076	14.3176	13.8044	13.2675	SIN3 transcription regulator family member B [Source:HGNC Sym	chr19:1694	NM_00129	XM_00672	.	.	NP_00128	XP_006722	protein_co	ENSG0000	23309	19354
SIPA1	19.6025	19.6437	25.2569	23.2611	18.3567	18.833	signal-induced proliferation-associated 1 [Source:HGNC Symbol;A	chr11:6540	NM_00674	XM_01154	.	.	NP_00673	XP_005274	protein_co	ENSG0000	6494	10885
SIPA1L1	7.00837	8.10746	8.10629	7.06981	6.09403	7.87899	signal induced proliferation associated 1 like 1 [Source:HGNC Sym	chr14:7199	NM_00128	XM_01702	.	.	NP_00127	XP_005267	protein_co	ENSG0000	26037	20284
SIPA1L2	1.99621	2.14274	3.78051	2.34354	2.34111	3.78499	signal induced proliferation associated 1 like 2 [Source:HGNC Sym	chr1:23253	NM_02080	XM_01700	.	.	NP_06585	XP_005273	protein_co	ENSG0000	57568	23800
SIPA1L3	6.51212	7.17791	7.47857	6.65132	6.33867	5.49494	signal induced proliferation associated 1 like 3 [Source:HGNC Sym	chr19:3839	NM_01507	XM_01702	.	.	NP_05588	XP_005258	protein_co	ENSG0000	23094	23801
SIRPA	9.86542	11.0759	8.97046	9.21135	8.66558	7.12797	signal regulatory protein alpha [Source:HGNC Symbol;Acc:HGNC:	chr20:1874	NM_00104	XM_01152	.	.	NP_00103	XP_005260	protein_co	ENSG0000	140885	9662
SIRPB1	0.60807	0.529228	0.316477	0.263238	0.694481	0.349788	signal regulatory protein beta 1 [Source:HGNC Symbol;Acc:HGNC	chr20:1514	NM_00108	XM_01152	.	.	NP_00107	XP_005260	protein_co	ENSG0000	10326	15928
SIRPB2	0	0.093191	0	0	0	0.026552	signal regulatory protein beta 2 [Source:HGNC Symbol;Acc:HGNC	chr20:1455	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	284759	16247
SIRPD	0	0	0	0	0	0	signal regulatory protein delta [Source:HGNC Symbol;Acc:HGNC:1	chr20:1514	NM_17846	XM_01152	.	.	NP_84855	XP_006723	protein_co	ENSG0000	128646	16248
SIRPG	0	0	0	0	0	0	signal regulatory protein gamma [Source:HGNC Symbol;Acc:HGN	chr20:1609	NM_00103	XM_01152	.	.	NP_00103	XP_011527	protein_co	ENSG0000	55423	15757
SIRT1	9.30534	9.38288	9.4311	8.51746	10.2423	11.4393	sirtuin 1 [Source:HGNC Symbol;Acc:HGNC:14929]	chr10:6964	NM_00114	XM_01153	.	.	NP_00113	XP_005269	protein_co	ENSG0000	23411	14929
SIRT2	9.82909	9.17848	9.03163	9.25108	7.72285	7.07724	sirtuin 2 [Source:HGNC Symbol;Acc:HGNC:10886]	chr19:3936	NM_00119	XM_01152	.	.	NP_00118	XP_006723	protein_co	ENSG0000	22933	10886
SIRT3	11.2864	9.99319	11.3789	8.39249	6.83044	7.88042	sirtuin 3 [Source:HGNC Symbol;Acc:HGNC:14931]	chr11:2154	NM_00101	XM_01151	.	.	NP_00101	XP_005252	protein_co	ENSG0000	23410	14931
SIRT4	1.62006	1.71358	1.79451	2.27611	1.7764	2.11437	sirtuin 4 [Source:HGNC Symbol;Acc:HGNC:14932]	chr12:1207	NM_01224	XM_00671	.	.	NP_03637	XP_005253	protein_co	ENSG0000	23409	14932
SIRT5	5.42434	5.04765	5.60671	5.39499	4.48509	5.96658	sirtuin 5 [Source:HGNC Symbol;Acc:HGNC:14933]	chr6:13574	NM_00119	XM_01151	.	.	NP_00118	XP_005249	protein_co	ENSG0000	23408	14933
SIRT6	19.4279	19.0173	16.0426	19.1209	13.6891	15.6115	sirtuin 6 [Source:HGNC Symbol;Acc:HGNC:14934]	chr19:4174	NM_00119	XM_00525	.	.	NP_00118	.	protein_co	ENSG0000	51548	14934
SIRT7	27.2608	26.7275	24.1004	32.0982	28.0143	21.8774	sirtuin 7 [Source:HGNC Symbol;Acc:HGNC:14935]	chr17:7986	NM_01653	XM_01152	.	.	NP_05762	XP_011521	protein_co	ENSG0000	51547	14935
SIT1	0	0	0	0	0	0	signaling threshold regulating transmembrane adaptor 1 [Source:	chr9:35649	NM_01445	.	.	.	NP_05526	.	protein_co	ENSG0000	27240	17710
SIVA1	132.549	125.824	97.745	196.34	149.125	114.598	SIVA1 apoptosis inducing factor [Source:HGNC Symbol;Acc:HGNC	chr14:1052	NM_00642	.	.	.	NP_00641	.	protein_co	ENSG0000	10572	17712
SIX1	1.58525	1.92362	1.43541	1.65517	2.32384	1.96442	SIX homeobox 1 [Source:HGNC Symbol;Acc:HGNC:10887]	chr14:6111	NM_00598	.	.	.	NP_00597	.	protein_co	ENSG0000	6495	10887
SIX2	0.743554	0.258124	0.405826	0.398532	0.124096	0.353042	SIX homeobox 2 [Source:HGNC Symbol;Acc:HGNC:10888]	chr2:45232	NM_01693	XM_00526	.	.	NP_05862	XP_005264	protein_co	ENSG0000	10736	10888
SIX3	0.77196	0.501617	1.09736	0.598998	0.468358	0.674726	SIX homeobox 3 [Source:HGNC Symbol;Acc:HGNC:10889]	chr2:45169	NM_00541	.	.	.	NP_00540	.	protein_co	ENSG0000	6496	10889
SIX4	8.93763	8.83927	8.93026	7.32612	8.12693	8.30615	SIX homeobox 4 [Source:HGNC Symbol;Acc:HGNC:10890]	chr14:6117	NM_01742	.	.	.	NP_05911	XP_005267	protein_co	ENSG0000	51804	10890
SIX5	5.76853	5.95852	6.86106	6.00116	4.83702	6.84451	SIX homeobox 5 [Source:HGNC Symbol;Acc:HGNC:10891]	chr19:4626	NM_17587	.	.	.	NP_78707	.	protein_co	ENSG0000	147912	10891
SIX6	0	0	0	0	0	0	SIX homeobox 6 [Source:HGNC Symbol;Acc:HGNC:10892]	chr14:6097	NM_00737	.	.	.	NP_03140	.	protein_co	ENSG0000	4990	10892
SKA1	16.5261	16.9314	12.0575	17.3359	16.6728	20.6405	spindle and kinetochore associated complex subunit 1 [Source:H	chr18:4790	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	220134	28109
SKA2	45.3385	41.0605	41.3508	52.7216	54.9359	68.4135	spindle and kinetochore associated complex subunit 2 [Source:H	chr17:5718	NM_00110	XM_01152	.	.	NP_00109	XP_011523	protein_co	ENSG0000	348235	28006
SKA3	20.9909	21.8843	17.7879	25.6338	28.5501	20.0412	spindle and kinetochore associated complex subunit 3 [Source:H	chr13:2172	NM_00116	XM_01153	.	.	NP_00115	XP_005266	protein_co	ENSG0000	221150	20262
SKAP1	3.50459	3.72241	5.30351	4.65638	2.51434	3.28131	src kinase associated phosphoprotein 1 [Source:HGNC Symbol;Ac	chr17:4621	NM_00107	XM_01152	.	.	NP_00106	XP_005257	protein_co	ENSG0000	8631	15605
SKAP2	8.5385	7.32787	13.0527	7.569	8.38541	9.77843	src kinase associated phosphoprotein 2 [Source:HGNC Symbol;Ac	chr7:26706	NM_00130	.	.	.	NP_00129	XP_016868	protein_co	ENSG0000	8935	15687
SKI	20.5157	22.3585	21.1709	21.5624	22.9578	21.6574	SKI proto-oncogene [Source:HGNC Symbol;Acc:HGNC:10896]	chr1:21601	NM_00303	XM_00524	.	.	NP_00302	XP_005244	protein_co	ENSG0000	6497	10896
SKIDA1	0.126881	0.128608	0.166397	0.245751	0.290746	0.205173	SKI/DACH domain containing 1 [Source:HGNC Symbol;Acc:HGNC:	chr10:2180	NM_20737	XM_01151	.	.	NP_99725	XP_005252	protein_co	ENSG0000	387640	32697
SKIL	4.26258	3.97371	2.8652	2.48101	2.91858	3.96804	SKI-like proto-oncogene [Source:HGNC Symbol;Acc:HGNC:10897]	chr3:17007	NM_00114	XM_00671	.	.	NP_00113	XP_005247	protein_co	ENSG0000	6498	10897
SKIV2L	11.3352	11.5733	12.0917	9.66222	9.82549	9.21483	Ski2 like RNA helicase [Source:HGNC Symbol;Acc:HGNC:10898]	chr6:31919	NM_00692	XM_01151	.	.	NP_00886	XP_011513	protein_co	ENSG0000	6499	10898
SKIV2L2	23.2686	22.0705	24.5883	24.8585	33.6642	30.887	Ski2 like RNA helicase 2 [Source:HGNC Symbol;Acc:HGNC:18734]	chr5:54603	NM_01536	.	.	.	NP_05617	.	protein_co	ENSG0000	23517	18734
SKOR1	0.184423	0.206841	0.364322	0.261846	0.18094	0.207102	SKI family transcriptional corepressor 1 [Source:HGNC Symbol;Ac	chr15:6811	NM_00125	XM_01702	.	.	NP_00124	XP_011519	protein_co	ENSG0000	390598	21326
SKOR2	0	0	0	0	0	0	SKI family transcriptional corepressor 2 [Source:HGNC Symbol;Ac	chr18:4473	NM_00103	XM_00672	.	.	NP_00103	XP_006722	protein_co	ENSG0000	652991	32695
SKP1	218.606	215.324	213.311	245.096	238.167	272.026	S-phase kinase-associated protein 1 [Source:HGNC Symbol;Acc:H	chr5:13348	NM_00693	.	.	.	NP_00886	.	protein_co	ENSG0000	6500	10899
SKP2	21.1052	23.4322	22.483	27.7259	27.1159	21.1544	S-phase kinase-associated protein 2, E3 ubiquitin protein ligase [S	chr5:36152	NM_00124	XM_01151	.	.	NP_00123	XP_011512	protein_co	ENSG0000	6502	10901
SLA	0	0	0	0	0	0	Src-like-adaptor [Source:HGNC Symbol;Acc:HGNC:10902]	chr8:13387	NM_00104	XM_01151	.	.	NP_00103	XP_011515	protein_co	ENSG0000	6503	10902
SLA2	0.032446	0.032948	0.087573	0.027506	0.028688	0	Src like adaptor 2 [Source:HGNC Symbol;Acc:HGNC:17329]	chr20:3520	NM_03221	.	.	.	NP_11559	.	protein_co	ENSG0000	84174	17329

SLAIN1	0	0	0	0	0	0	SLAIN motif family member 1 [Source:HGNC Symbol;Acc:HGNC:2	chr13:7827	NM_00104	XM_01153	.	.	NP_00103	XP_011533	protein_co	ENSG0000	122060	26387
SLAIN2	12.9373	13.6575	12.8432	12.6921	14.2471	13.9779	SLAIN motif family member 2 [Source:HGNC Symbol;Acc:HGNC:2	chr4:48343	NM_02084	XM_00524	.	.	NP_06589	XP_005248	protein_co	ENSG0000	57606	29282
SLAMF1	0	0	0	0	0	0	signaling lymphocytic activation molecule family member 1 [Sour	chr1:16057	NM_00303	XM_01150	.	.	NP_00302	XP_005245	protein_co	ENSG0000	6504	10903
SLAMF6	0	0	0	0	0	0	SLAM family member 6 [Source:HGNC Symbol;Acc:HGNC:21392]	chr1:16045	NM_00118	XM_01700	.	.	NP_00117	XP_016855	protein_co	ENSG0000	114836	21392
SLAMF7	0.246988	0.659595	0.653159	0.219326	0.235142	0.132775	SLAM family member 7 [Source:HGNC Symbol;Acc:HGNC:21394]	chr1:16070	NM_00128	XM_01150	.	.	NP_00126	XP_011508	protein_co	ENSG0000	57823	21394
SLAMF8	0	0	0.06445	0.050217	0	0	SLAM family member 8 [Source:HGNC Symbol;Acc:HGNC:21391]	chr1:15979	NM_02012	XM_01700	.	.	NP_06451	XP_011508	protein_co	ENSG0000	56833	21391
SLAMF9	0	0	0	0	0	0	SLAM family member 9 [Source:HGNC Symbol;Acc:HGNC:18430]	chr1:15992	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	89886	18430
SLBP	81.8161	80.867	70.3516	110.929	106.817	89.7812	stem-loop binding protein [Source:HGNC Symbol;Acc:HGNC:1090	chr4:16945	NM_00130	XM_01151	.	.	NP_00129	XP_011511	protein_co	ENSG0000	7884	10904
SLC10A1	0	0	0	0	0	0	solute carrier family 10 member 1 [Source:HGNC Symbol;Acc:HGI	chr14:7024	NM_00304	.	.	.	NP_00304	.	protein_co	ENSG0000	6554	10905
SLC10A2	0	0	0	0	0	0	solute carrier family 10 member 2 [Source:HGNC Symbol;Acc:HGI	chr13:1036	NM_00045	.	.	.	NP_00044	.	protein_co	ENSG0000	6555	10906
SLC10A3	15.504	17.8729	13.4093	16.7922	16.1892	11.0422	solute carrier family 10 member 3 [Source:HGNC Symbol;Acc:HGI	chrX:15371	NM_00114	XM_01153	.	.	NP_00113	XP_005277	protein_co	ENSG0000	8273	22979
SLC10A4	6.63441	5.78535	5.47828	5.70478	8.13009	4.88471	solute carrier family 10 member 4 [Source:HGNC Symbol;Acc:HGI	chr4:48485	NM_15267	.	.	.	NP_68989	.	protein_co	ENSG0000	201780	22980
SLC10A5	1.17011	0.675138	0.448569	1.15324	0.75658	1.41761	solute carrier family 10 member 5 [Source:HGNC Symbol;Acc:HGI	chr8:82605	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	347051	22981
SLC10A6	0	0.054953	0.090884	0	0.059305	0	solute carrier family 10 member 6 [Source:HGNC Symbol;Acc:HGI	chr4:87744	NM_19796	XM_01153	.	.	NP_93206	.	protein_co	ENSG0000	345274	30603
SLC10A7	2.89832	3.60492	2.97169	2.08074	3.42857	3.66199	solute carrier family 10 member 7 [Source:HGNC Symbol;Acc:HGI	chr4:14717	NM_00102	XM_01153	.	.	NP_00102	XP_011530	protein_co	ENSG0000	84068	23088
SLC11A1	0	0.045699	0.099027	0.074156	0.053621	0.0756	solute carrier family 11 member 1 [Source:HGNC Symbol;Acc:HGI	chr2:21924	NM_00057	XM_01151	.	.	NP_00056	XP_005246	protein_co	ENSG0000	6556	10907
SLC11A2	19.3707	20.0308	15.5083	14.8315	17.3402	16.8008	solute carrier family 11 member 2 [Source:HGNC Symbol;Acc:HGI	chr12:5137	NM_00061	XM_01701	.	.	NP_00060	XP_005268	protein_co	ENSG0000	4891	10908
SLC12A1	0.019525	0	0	0	0	0	solute carrier family 12 member 1 [Source:HGNC Symbol;Acc:HGI	chr15:4849	NM_00033	XM_00672	.	.	NP_00032	XP_005254	protein_co	ENSG0000	6557	10910
SLC12A2	9.39191	9.82672	13.2758	6.69649	9.39639	11.4757	solute carrier family 12 member 2 [Source:HGNC Symbol;Acc:HGI	chr5:12741	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	6558	10911
SLC12A3	0	0	0.01992	0.018769	0.039496	0	solute carrier family 12 member 3 [Source:HGNC Symbol;Acc:HGI	chr16:5689	NM_00033	XM_00525	.	.	NP_00033	XP_005256	protein_co	ENSG0000	6559	10912
SLC12A4	9.01789	8.3799	11.3345	7.34283	7.16275	7.20979	solute carrier family 12 member 4 [Source:HGNC Symbol;Acc:HGI	chr16:6797	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	6560	10913
SLC12A5	0.935445	0.140948	0.094345	4.85605	1.62844	1.99666	solute carrier family 12 member 5 [Source:HGNC Symbol;Acc:HGI	chr20:4465	NM_00113	XM_01702	.	.	NP_00112	XP_016883	protein_co	ENSG0000	57468	13818
SLC12A6	4.52081	4.73137	5.0588	3.26357	4.31251	5.19986	solute carrier family 12 member 6 [Source:HGNC Symbol;Acc:HGI	chr15:3451	NM_00104	XM_01152	.	.	NP_00103	XP_006720	protein_co	ENSG0000	9990	10914
SLC12A7	11.9177	12.2795	10.7064	10.5505	11.2191	9.97867	solute carrier family 12 member 7 [Source:HGNC Symbol;Acc:HGI	chr5:10504	NM_00659	XM_01700	.	.	NP_00658	XP_005248	protein_co	ENSG0000	10723	10915
SLC12A8	6.52147	6.61111	5.90628	6.64966	5.74022	5.94909	solute carrier family 12 member 8 [Source:HGNC Symbol;Acc:HGI	chr3:12480	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	84561	15595
SLC12A9	14.4077	15.2844	14.654	12.6438	12.9768	9.11721	solute carrier family 12 member 9 [Source:HGNC Symbol;Acc:HGI	chr7:10045	NM_00126	XM_00671	.	.	NP_00125	XP_005250	protein_co	ENSG0000	56996	17435
SLC13A1	0	0	0	0	0	0	solute carrier family 13 member 1 [Source:HGNC Symbol;Acc:HGI	chr7:12275	NM_02244	XM_01151	.	.	NP_07188	XP_011514	protein_co	ENSG0000	6561	10916
SLC13A2	0	0	0	0	0	0	solute carrier family 13 member 2 [Source:HGNC Symbol;Acc:HGI	chr17:2680	NM_00114	XM_01152	.	.	NP_00113	XP_006722	protein_co	ENSG0000	9058	10917
SLC13A3	0.093221	0.09561	0.071058	0.099431	0.089748	0.051296	solute carrier family 13 member 3 [Source:HGNC Symbol;Acc:HGI	chr20:4518	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	64849	14430
SLC13A4	0	0	0.126747	0.132688	0.139649	0.130298	solute carrier family 13 member 4 [Source:HGNC Symbol;Acc:HGI	chr7:13536	NM_00131	XM_01151	.	.	NP_00130	XP_011514	protein_co	ENSG0000	26266	15827
SLC13A5	0	0	0.040572	0	0.054388	0	solute carrier family 13 member 5 [Source:HGNC Symbol;Acc:HGI	chr17:6588	NM_00114	XM_01152	.	.	NP_00113	XP_011522	protein_co	ENSG0000	284111	23089
SLC14A1	0	0	0	0	0	0	solute carrier family 14 member 1 (Kidd blood group) [Source:HG	chr18:4330	NM_00112	XM_01152	.	.	NP_00112	XP_005258	protein_co	ENSG0000	6563	10918
SLC14A2	0	0.015676	0	0	0	0	solute carrier family 14 member 2 [Source:HGNC Symbol;Acc:HG	chr18:4279	NM_00124	XM_01152	.	.	NP_00122	XP_011524	protein_co	ENSG0000	8170	10919
SLC15A1	1.28345	1.39348	1.57759	0	0	0	solute carrier family 15 member 1 [Source:HGNC Symbol;Acc:HG	chr13:9933	NM_00507	.	.	.	NP_00506	.	protein_co	ENSG0000	6564	10920
SLC15A2	0.26085	0.222017	0.265635	0.1809	0.399088	0.378241	solute carrier family 15 member 2 [Source:HGNC Symbol;Acc:HG	chr3:12161	NM_00114	XM_00524	.	.	NP_00113	XP_005247	protein_co	ENSG0000	6565	10921
SLC15A3	0	0.205518	0	0	0.061897	0	solute carrier family 15 member 3 [Source:HGNC Symbol;Acc:HG	chr11:6069	NM_01658	XM_01154	.	.	NP_05766	XP_011543	protein_co	ENSG0000	51296	18068
SLC15A4	14.706	15.528	13.2776	13.2868	16.9354	14.1688	solute carrier family 15 member 4 [Source:HGNC Symbol;Acc:HG	chr12:1292	NM_14564	XM_01153	.	.	NP_66362	XP_011536	protein_co	ENSG0000	121260	23090
SLC15A5	0	0	0	0	0	0	solute carrier family 15 member 5 [Source:HGNC Symbol;Acc:HG	chr12:1634	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	729025	33455
SLC16A1	58.9148	53.4577	53.9119	58.8313	64.8471	68.7725	solute carrier family 16 member 1 [Source:HGNC Symbol;Acc:HG	chr1:11345	NM_00116	XM_01154	.	.	NP_00115	XP_011540	protein_co	ENSG0000	6566	10922
SLC16A10	4.64171	4.2994	4.75273	4.84308	2.9534	5.07337	solute carrier family 16 member 10 [Source:HGNC Symbol;Acc:H	chr6:11140	NM_01859	.	.	.	NP_06106	.	protein_co	ENSG0000	117247	17027
SLC16A11	0	0	0	0	0	0	solute carrier family 16 member 11 [Source:HGNC Symbol;Acc:H	chr17:6944	NM_15335	.	.	.	NP_69918	.	protein_co	ENSG0000	162515	23093
SLC16A12	0	0.041886	0.016913	0	0.021649	0	solute carrier family 16 member 12 [Source:HGNC Symbol;Acc:H	chr10:9119	NM_21360	XM_01701	.	.	NP_99877	XP_016871	protein_co	ENSG0000	387700	23094
SLC16A13	4.69676	4.53188	4.55671	2.18226	3.29908	3.54144	solute carrier family 16 member 13 [Source:HGNC Symbol;Acc:H	chr17:6939	NM_20156	.	.	.	NP_96386	.	protein_co	ENSG0000	201232	31037
SLC16A14	5.61453	5.67564	4.22009	6.64509	7.78035	5.26909	solute carrier family 16 member 14 [Source:HGNC Symbol;Acc:H	chr2:23089	NM_15252	XM_01151	.	.	NP_68974	XP_011509	protein_co	ENSG0000	151473	26417
SLC16A2	0.084155	0.129375	0.126896	0.023152	0.095193	0.022004	solute carrier family 16 member 2 [Source:HGNC Symbol;Acc:HG	chrX:73641	NM_00651	.	.	.	NP_00650	.	protein_co	ENSG0000	6567	10923
SLC16A3	254.597	254.325	249.68	275.264	267.267	243.089	solute carrier family 16 member 3 [Source:HGNC Symbol;Acc:HG	chr17:8018	NM_00104	XM_01152	NR_10684	.	NP_00103	XP_011521	protein_co	ENSG0000	102465472	10924
SLC16A4	0.238422	0	0.165894	0.346695	0	0.093424	solute carrier family 16 member 4 [Source:HGNC Symbol;Acc:HG	chr1:11090	NM_00120	XM_00671	.	.	NP_00118	XP_005271	protein_co	ENSG0000	9122	10925
SLC16A5	19.2505	18.9123	23.985	13.2327	14.388	20.1813	solute carrier family 16 member 5 [Source:HGNC Symbol;Acc:HG	chr17:7308	NM_00127	XM_00525	.	.	NP_00125	XP_005257	protein_co	ENSG0000	9121	10926
SLC16A6	4.20627	4.04829	5.29813	2.40996	3.60141	4.50923	solute carrier family 16 member 6 [Source:HGNC Symbol;Acc:HG	chr17:6625	NM_00117	XM_01702	.	.	NP_00116	XP_005257	protein_co	ENSG0000	9120	10927
SLC16A7	3.07401	3.8486	2.89595	2.08008	2.76852	4.08654	solute carrier family 16 member 7 [Source:HGNC Symbol;Acc:HG	chr12:5998	NM_00127	XM_01702	.	.	NP_00125	XP_005269	protein_co	ENSG0000	9194	10928
SLC16A8	0	0	0	0	0	0.08645	solute carrier family 16 member 8 [Source:HGNC Symbol;Acc:HG	chr22:3847	NM_01335	XM_01702	.	.	NP_03748	XP_016884	protein_co	ENSG0000	23539	16270
SLC16A9	9.34685	9.89299	7.04758	7.37251	9.06305	6.3025	solute carrier family 16 member 9 [Source:HGNC Symbol;Acc:HG	chr10:6141	NM_19429	XM_01153	.	.	NP_00131	XP_011537	protein_co	ENSG0000	220963	23520
SLC17A1	0	0	0	0	0	0	solute carrier family 17 member 1 [Source:HGNC Symbol;Acc:HG	chr6:25783	NM_00507	XM_01701	.	.	NP_00506	XP_011513	protein_co	ENSG0000	6568	10929
SLC17A2	0	0	0	0	0	0	solute carrier family 17 member 2 [Source:HGNC Symbol;Acc:HG	chr6:25912	NM_00128	XM_01151	.	.	NP_00127	XP_005248	protein_co	ENSG0000	10246	10930
SLC17A3	0	0	0	0	0	0	solute carrier family 17 member 3 [Source:HGNC Symbol;Acc:HG	chr6:25845	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	10786	10931
SLC17A4	0	0	0	0	0	0	solute carrier family 17 member 4 [Source:HGNC Symbol;Acc:HG	chr6:25754	NM_00128	XM_01151	.	.	NP_00127	XP_011512	protein_co	ENSG0000	10050	10932
SLC17A5	18.7907	20.7621	18.6861	18.3487	19.1699	19.3105	solute carrier family 17 member 5 [Source:HGNC Symbol;Acc:HG	chr6:74303	NM_01243	XM_01153	.	.	NP_03656	XP_005248	protein_co	ENSG0000	26503	10933
SLC17A6	0	0	0	0	0	0	solute carrier family 17 member 6 [Source:HGNC Symbol;Acc:HG	chr11:2235	NM_02034	.	.	.	NP_06507	.	protein_co	ENSG0000	57084	16703
SLC17A7	1.09072	0.717795	1.1679	0.594251	0.285856	0.801357	solute carrier family 17 member 7 [Source:HGNC Symbol;Acc:HG	chr19:4993	NM_02030	.	.	.	NP_06470	.	protein_co	ENSG0000	57030	16704

SLC17A8	0	0	0.016507	0	0	0	solute carrier family 17 member 8 [Source:HGNC Symbol;Acc:HG	chr12:1007	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	246213	20151
SLC17A9	8.80191	8.94678	12.7306	9.71734	8.19826	5.74808	solute carrier family 17 member 9 [Source:HGNC Symbol;Acc:HG	chr20:6158	NM_00130	XM_01152	.	.	NP_00128	XP_011527	protein_co	ENSG0000	63910	16192
SLC18A1	0	0	0	0	0	0	solute carrier family 18 member A1 [Source:HGNC Symbol;Acc:H	chr8:20002	NM_00113	XM_01154	.	.	NP_00112	XP_011542	protein_co	ENSG0000	6570	10934
SLC18A2	0.069855	0.024793	0.020128	0.026434	0.025882	0	solute carrier family 18 member A2 [Source:HGNC Symbol;Acc:H	chr10:1190	NM_00305	.	.	.	NP_00304	.	protein_co	ENSG0000	6571	10935
SLC18A3	0	0	0	0	0	0	solute carrier family 18 member A3 [Source:HGNC Symbol;Acc:H	chr10:5081	NM_00305	.	.	.	NP_00304	.	protein_co	ENSG0000	6572	10936
SLC18B1	16.3223	15.9096	17.2586	15.0566	16.9826	13.707	solute carrier family 18 member B1 [Source:HGNC Symbol;Acc:H	chr6:13309	NM_05283	XM_01153	.	.	NP_43989	.	protein_co	ENSG0000	116843	21573
SLC19A1	22.909	22.6451	23.4267	24.2603	22.6347	14.6695	solute carrier family 19 member 1 [Source:HGNC Symbol;Acc:HG	chr21:4682	NM_00120	XM_01152	.	.	NP_00119	XP_005261	protein_co	ENSG0000	6573	10937
SLC19A2	9.28621	8.4471	7.75617	7.70125	8.68746	9.56269	solute carrier family 19 member 2 [Source:HGNC Symbol;Acc:HG	chr1:16943	NM_00131	XM_01150	.	.	NP_00130	XP_011507	protein_co	ENSG0000	10560	10938
SLC19A3	0	0	0	0	0	0	solute carrier family 19 member 3 [Source:HGNC Symbol;Acc:HG	chr2:22855	NM_02524	XM_01151	.	.	NP_07951	XP_011510	protein_co	ENSG0000	80704	16266
SLC1A1	6.6196	6.31343	7.80351	7.90228	7.86583	7.42119	solute carrier family 1 member 1 [Source:HGNC Symbol;Acc:HGN	chr9:44904	NM_00417	XM_01151	.	.	NP_00416	XP_011516	protein_co	ENSG0000	6505	10939
SLC1A2	0.01468	0.007891	0.057201	0.016749	0.042345	0.08192	solute carrier family 1 member 2 [Source:HGNC Symbol;Acc:HGN	chr11:3527	NM_00119	XM_01701	.	.	NP_00118	XP_005253	protein_co	ENSG0000	6506	10940
SLC1A3	3.04881	2.80545	1.9612	3.91747	4.78205	3.90759	solute carrier family 1 member 3 [Source:HGNC Symbol;Acc:HGN	chr5:36606	NM_00116	XM_01151	.	.	NP_00116	XP_005248	protein_co	ENSG0000	6507	10941
SLC1A4	3.54935	3.16933	1.73437	2.20816	1.742	8.57252	solute carrier family 1 member 4 [Source:HGNC Symbol;Acc:HGN	chr2:65215	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	6509	10942
SLC1A5	136.019	140.21	92.2945	124.297	111.646	180.139	solute carrier family 1 member 5 [Source:HGNC Symbol;Acc:HGN	chr19:4727	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	6510	10943
SLC1A6	0.047409	0	0	0	0	0	solute carrier family 1 member 6 [Source:HGNC Symbol;Acc:HGN	chr19:1506	NM_00127	XM_00672	.	.	NP_00125	XP_006722	protein_co	ENSG0000	6511	10944
SLC1A7	0	0	0	0	0	0	solute carrier family 1 member 7 [Source:HGNC Symbol;Acc:HGN	chr1:53552	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	6512	10945
SLC20A1	57.9098	59.4168	69.6873	78.2834	81.869	108.635	solute carrier family 20 member 1 [Source:HGNC Symbol;Acc:HG	chr2:11340	NM_00541	XM_01151	.	.	NP_00540	.	protein_co	ENSG0000	6574	10946
SLC20A2	12.1729	12.4256	10.8334	11.1406	11.0748	12.4571	solute carrier family 20 member 2 [Source:HGNC Symbol;Acc:HG	chr8:42273	NM_00125	XM_01701	.	.	NP_00124	XP_005273	protein_co	ENSG0000	6575	10947
SLC22A1	0.44523	0.298649	0.211203	0.079796	0.113817	0.052804	solute carrier family 22 member 1 [Source:HGNC Symbol;Acc:HG	chr6:16054	NM_00305	XM_00671	.	.	NP_00304	XP_005267	protein_co	ENSG0000	6580	10963
SLC22A10	0	0	0	0	0	0	solute carrier family 22 member 10 [Source:HGNC Symbol;Acc:H	chr11:6305	NM_00103	XM_01154	.	.	NP_00103	XP_011543	protein_co	ENSG0000	387775	18057
SLC22A11	0.021244	0	0	0	0	0	solute carrier family 22 member 11 [Source:HGNC Symbol;Acc:H	chr11:6432	NM_00130	XM_01154	.	.	NP_00129	XP_011543	protein_co	ENSG0000	55867	18120
SLC22A12	0	0	0	0	0	0	solute carrier family 22 member 12 [Source:HGNC Symbol;Acc:H	chr11:6435	NM_00127	XM_00671	.	.	NP_00126	XP_006718	protein_co	ENSG0000	116085	17989
SLC22A13	0.060664	0.061391	0.104342	0.032884	0	0.064594	solute carrier family 22 member 13 [Source:HGNC Symbol;Acc:H	chr3:38307	NM_00425	.	.	.	NP_00424	.	protein_co	ENSG0000	9390	8494
SLC22A14	0.136903	0.104283	0.059085	0	0	0	solute carrier family 22 member 14 [Source:HGNC Symbol;Acc:H	chr3:38323	NM_00132	XM_01153	.	.	NP_00130	XP_005265	protein_co	ENSG0000	9389	8495
SLC22A15	1.85638	1.9406	1.50974	1.42072	1.30179	1.80825	solute carrier family 22 member 15 [Source:HGNC Symbol;Acc:H	chr1:11651	NM_01842	XM_00671	.	.	NP_06089	XP_005271	protein_co	ENSG0000	55356	20301
SLC22A16	0	0	0	0	0	0.043078	solute carrier family 22 member 16 [Source:HGNC Symbol;Acc:H	chr6:11074	NM_03312	XM_01153	.	.	NP_14911	XP_011534	protein_co	ENSG0000	85413	20302
SLC22A17	2.45909	3.22133	4.15932	3.12945	2.68634	3.58558	solute carrier family 22 member 17 [Source:HGNC Symbol;Acc:H	chr14:2381	NM_02037	XM_00526	.	.	NP_06510	XP_005267	protein_co	ENSG0000	51310	23095
SLC22A18	12.0226	13.3944	14.7707	8.2712	8.71715	14.9345	solute carrier family 22 member 18 [Source:HGNC Symbol;Acc:H	chr11:2909	NM_00131	XM_01152	.	.	NP_00130	XP_006718	protein_co	ENSG0000	5002	10964
SLC22A18AS	1.81237	2.2167	2.23805	1.61622	0.623035	0.803734	solute carrier family 22 member 18 antisense [Source:HGNC Sym	chr11:2909	NM_00130	.	.	.	NP_00128	XP_016873	protein_co	ENSG0000	5003	10965
SLC22A2	0	0	0	0	0	0	solute carrier family 22 member 2 [Source:HGNC Symbol;Acc:HG	chr6:16063	NM_00305	.	.	.	NP_00304	.	protein_co	ENSG0000	6582	10966
SLC22A23	5.39897	5.8426	5.48877	4.87922	5.5368	6.54879	solute carrier family 22 member 23 [Source:HGNC Symbol;Acc:H	chr6:32320	NM_00128	XM_01151	.	.	NP_00127	XP_005249	protein_co	ENSG0000	63027	21106
SLC22A24	0	0	0	0	0	0	solute carrier family 22 member 24 [Source:HGNC Symbol;Acc:H	chr11:6284	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	283238	28542
SLC22A25	0	0	0	0	0	0	solute carrier family 22 member 25 [Source:HGNC Symbol;Acc:H	chr11:6293	NM_19935	XM_00527	.	.	NP_95538	XP_005274	protein_co	ENSG0000	387601	32935
SLC22A3	0	0	0	0	0	0	solute carrier family 22 member 3 [Source:HGNC Symbol;Acc:HG	chr6:16076	NM_02197	XM_01153	.	.	NP_06881	XP_005267	protein_co	ENSG0000	6581	10967
SLC22A31	21.7929	20.8559	25.699	15.7998	13.8933	14.4176	solute carrier family 22 member 31 [Source:HGNC Symbol;Acc:H	chr16:8926	NM_00124	XM_01152	.	.	NP_00122	XP_011521	protein_co	ENSG0000	146429	27091
SLC22A4	0.284114	0.585932	0.382318	0.62944	0.183944	0.208743	solute carrier family 22 member 4 [Source:HGNC Symbol;Acc:HG	chr5:13163	NM_00305	XM_00671	.	.	NP_00305	XP_006714	protein_co	ENSG0000	6583	10968
SLC22A5	5.96791	6.68915	5.39384	5.86032	4.89234	5.30441	solute carrier family 22 member 5 [Source:HGNC Symbol;Acc:HG	chr5:13170	NM_00130	XM_00527	.	.	NP_00129	XP_005272	protein_co	ENSG0000	6584	10969
SLC22A6	0	0	0	0	0	0.043716	solute carrier family 22 member 6 [Source:HGNC Symbol;Acc:HG	chr11:6274	NM_00479	XM_01701	.	.	NP_00478	XP_016874	protein_co	ENSG0000	9356	10970
SLC22A7	0	0	0	0	0	0	solute carrier family 22 member 7 [Source:HGNC Symbol;Acc:HG	chr6:43266	NM_00667	XM_01151	.	.	NP_00666	XP_006715	protein_co	ENSG0000	10864	10971
SLC22A8	0	0	0	0.054814	0	0	solute carrier family 22 member 8 [Source:HGNC Symbol;Acc:HG	chr11:6276	NM_00118	XM_01154	.	.	NP_00117	XP_011543	protein_co	ENSG0000	9376	10972
SLC22A9	0	0	0	0	0	0	solute carrier family 22 member 9 [Source:HGNC Symbol;Acc:HG	chr11:6313	NM_08086	.	.	.	NP_54314	.	protein_co	ENSG0000	114571	16261
SLC23A1	0.037795	0	0	0	0	0	solute carrier family 23 member 1 [Source:HGNC Symbol;Acc:HG	chr5:13867	NM_00584	XM_01154	.	.	NP_00583	XP_005272	protein_co	ENSG0000	9963	10974
SLC23A2	6.98668	7.50805	8.99373	7.19359	8.22904	7.64643	solute carrier family 23 member 2 [Source:HGNC Symbol;Acc:HG	chr20:4833	NM_00511	XM_01702	.	.	NP_00510	XP_011527	protein_co	ENSG0000	9962	10973
SLC23A3	1.01997	0.764327	1.04881	0.76567	1.28834	1.18308	solute carrier family 23 member 3 [Source:HGNC Symbol;Acc:HG	chr2:22002	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	151295	20601
SLC24A1	2.29623	2.2928	2.46246	1.67491	2.12284	2.26454	solute carrier family 24 member 1 [Source:HGNC Symbol;Acc:HG	chr15:6590	NM_00130	XM_01152	.	.	NP_00128	XP_005254	protein_co	ENSG0000	9187	10975
SLC24A2	0.014667	0.01568	0	0	0	0	solute carrier family 24 member 2 [Source:HGNC Symbol;Acc:HG	chr9:19507	NM_00119	XM_01701	.	.	NP_00118	XP_005251	protein_co	ENSG0000	25769	10976
SLC24A3	0	0	0	0.022194	0.022923	0	solute carrier family 24 member 3 [Source:HGNC Symbol;Acc:HG	chr20:1919	NM_02068	.	.	.	NP_06574	.	protein_co	ENSG0000	57419	10977
SLC24A4	0.025338	0.008751	0.030191	0	0.020228	0	solute carrier family 24 member 4 [Source:HGNC Symbol;Acc:HG	chr14:9278	NM_15364	XM_01153	.	.	NP_70593	XP_011534	protein_co	ENSG0000	123041	10978
SLC24A5	0	0	0	0	0	0	solute carrier family 24 member 5 [Source:HGNC Symbol;Acc:HG	chr15:4841	NM_20585	XM_01152	.	.	NP_99532	.	protein_co	ENSG0000	283652	20611
SLC25A1	73.6144	75.2603	91.8871	93.2919	78.8248	83.3179	solute carrier family 25 member 1 [Source:HGNC Symbol;Acc:HG	chr22:1916	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	6576	10979
SLC25A10	56.2463	53.8186	48.8477	60.1209	50.3544	34.7926	solute carrier family 25 member 10 [Source:HGNC Symbol;Acc:H	chr17:7967	NM_00127	XM_00525	.	.	NP_00125	.	protein_co	ENSG0000	1468	10980
SLC25A11	55.4216	54.3174	49.0081	60.7822	51.2988	41.2588	solute carrier family 25 member 11 [Source:HGNC Symbol;Acc:H	chr17:4840	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	8402	10981
SLC25A12	13.3073	12.4148	13.6463	12.3882	13.0759	11.3482	solute carrier family 25 member 12 [Source:HGNC Symbol;Acc:H	chr2:17264	NM_00370	XM_01151	.	.	NP_00369	XP_011510	protein_co	ENSG0000	8604	10982
SLC25A13	8.26834	8.35527	8.84663	3.65815	3.87023	4.3045	solute carrier family 25 member 13 [Source:HGNC Symbol;Acc:H	chr7:95749	NM_00116	XM_01701	.	.	NP_00115	XP_006715	protein_co	ENSG0000	10165	10983
SLC25A14	6.98389	6.32882	6.34284	6.41868	4.94882	5.03055	solute carrier family 25 member 14 [Source:HGNC Symbol;Acc:H	chrX:12947	NM_00128	XM_01153	.	.	NP_00126	XP_011529	protein_co	ENSG0000	9016	10984
SLC25A15	11.9697	11.7921	14.5771	13.781	13.829	11.5097	solute carrier family 25 member 15 [Source:HGNC Symbol;Acc:H	chr13:4136	NM_01425	.	.	.	NP_05506	.	protein_co	ENSG0000	10166	10985
SLC25A16	1.39304	1.48369	1.7628	1.45645	1.45047	1.99497	solute carrier family 25 member 16 [Source:HGNC Symbol;Acc:H	chr10:7023	NM_15270	XM_01154	.	.	NP_68992	XP_011538	protein_co	ENSG0000	8034	10986
SLC25A17	15.1958	12.3828	12.4103	14.3288	13.2209	13.7737	solute carrier family 25 member 17 [Source:HGNC Symbol;Acc:H	chr22:4116	NM_00128	.	NR_10423	.	NP_00126	.	protein_co	ENSG0000	10478	10987
SLC25A18	0	0	0.033831	0	0	0	solute carrier family 25 member 18 [Source:HGNC Symbol;Acc:H	chr22:1804	NM_00130	XM_01154	.	.	NP_00129	XP_011544	protein_co	ENSG0000	83733	10988

SLC25A19	25.0357	26.3361	21.2345	27.6846	25.6711	19.7749	solute carrier family 25 member 19 [Source:HGNC Symbol;Acc:HG	chr17:7326	NM_00112	XM_01152	.	.	NP_00111	XP_005257	protein_co	ENSG0000	60386	14409
SLC25A2	0.111	0.057577	0	0	0	0	solute carrier family 25 member 2 [Source:HGNC Symbol;Acc:HGN	chr5:14068	NM_03194	.	.	.	NP_11415	.	protein_co	ENSG0000	83884	22921
SLC25A20	6.66209	6.45792	8.76957	7.81105	7.32319	7.17036	solute carrier family 25 member 20 [Source:HGNC Symbol;Acc:HG	chr3:48894	NM_00038	.	.	.	NP_00037	.	protein_co	ENSG0000	788	1421
SLC25A21	1.01207	1.9603	1.39072	2.33157	1.91899	1.28748	solute carrier family 25 member 21 [Source:HGNC Symbol;Acc:HG	chr14:3712	NM_00117	XM_01153	.	.	NP_00116	XP_011535	protein_co	ENSG0000	89874	14411
SLC25A22	48.1152	47.1492	34.2871	39.6205	37.1982	20.7428	solute carrier family 25 member 22 [Source:HGNC Symbol;Acc:HG	chr11:7904	NM_00119	XM_01152	.	.	NP_00117	XP_011518	protein_co	ENSG0000	79751	19954
SLC25A23	24.1414	24.6154	29.8662	21.7051	21.5548	22.2063	solute carrier family 25 member 23 [Source:HGNC Symbol;Acc:HG	chr19:6440	NM_02410	XM_01152	.	.	NP_07700	XP_011526	protein_co	ENSG0000	79085	19375
SLC25A24	11.2647	11.353	11.5144	14.2345	14.9787	13.9117	solute carrier family 25 member 24 [Source:HGNC Symbol;Acc:HG	chr1:10867	NM_01338	.	.	.	NP_03751	.	protein_co	ENSG0000	29957	20662
SLC25A25	11.1322	12.8083	9.90551	12.133	11.6784	13.5181	solute carrier family 25 member 25 [Source:HGNC Symbol;Acc:HG	chr9:13083	NM_00100	XM_00671	.	.	NP_00100	XP_005251	protein_co	ENSG0000	114789	20663
SLC25A26	13.3231	13.5974	16.2631	15.9221	14.1061	13.4017	solute carrier family 25 member 26 [Source:HGNC Symbol;Acc:HG	chr3:66119	NM_00116	XM_01153	.	.	NP_00115	XP_006713	protein_co	ENSG0000	115286	20661
SLC25A27	1.98079	1.78131	2.81287	1.44492	1.28369	2.41571	solute carrier family 25 member 27 [Source:HGNC Symbol;Acc:HG	chr6:46620	NM_00120	XM_00524	.	.	NP_00119	XP_005249	protein_co	ENSG0000	9481	21065
SLC25A28	33.5375	29.1449	28.2458	39.087	30.4178	27.0709	solute carrier family 25 member 28 [Source:HGNC Symbol;Acc:HG	chr10:1013	NM_03121	.	.	.	NP_11248	.	protein_co	ENSG0000	81894	23472
SLC25A29	22.7859	23.2991	25.3313	30.7249	26.4239	22.676	solute carrier family 25 member 29 [Source:HGNC Symbol;Acc:HG	chr14:1007	NM_00103	XM_01153	.	.	NP_00103	XP_011534	protein_co	ENSG0000	123096	20116
SLC25A3	613.68	611.985	659.809	697.002	601.177	617.118	solute carrier family 25 member 3 [Source:HGNC Symbol;Acc:HGN	chr12:9898	NM_00263	.	.	.	NP_00262	.	protein_co	ENSG0000	5250	10989
SLC25A30	11.8852	10.2821	11.4089	13.3997	16.3021	13.5458	solute carrier family 25 member 30 [Source:HGNC Symbol;Acc:HG	chr13:4596	NM_00101	XM_01702	.	.	NP_00101	XP_011533	protein_co	ENSG0000	253512	27371
SLC25A31	0	0	0.0547	0	0	0	solute carrier family 25 member 31 [Source:HGNC Symbol;Acc:HG	chr4:12865	NM_03129	.	.	.	NP_11258	.	protein_co	ENSG0000	83447	25319
SLC25A32	25.5042	28.323	29.6878	33.174	35.9101	33.175	solute carrier family 25 member 32 [Source:HGNC Symbol;Acc:HG	chr8:10441	NM_03078	.	.	.	NP_11040	.	protein_co	ENSG0000	81034	29683
SLC25A33	6.85781	7.08717	6.64401	9.21322	8.86264	7.21185	solute carrier family 25 member 33 [Source:HGNC Symbol;Acc:HG	chr1:95995	NM_03231	.	.	.	NP_11569	.	protein_co	ENSG0000	84275	29681
SLC25A34	0.367382	0.213989	0.156676	0.395783	0.21233	0.232466	solute carrier family 25 member 34 [Source:HGNC Symbol;Acc:HG	chr1:16062	NM_20734	.	.	.	NP_99723	.	protein_co	ENSG0000	284723	27653
SLC25A35	1.49978	1.57444	2.50284	1.76728	1.17798	1.72052	solute carrier family 25 member 35 [Source:HGNC Symbol;Acc:HG	chr17:8191	NM_00132	XM_00525	.	.	NP_00130	XP_005256	protein_co	ENSG0000	399512	31921
SLC25A36	27.648	28.1103	29.2771	20.9557	30.743	34.1984	solute carrier family 25 member 36 [Source:HGNC Symbol;Acc:HG	chr3:14066	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	55186	25554
SLC25A37	20.4604	20.5409	22.1003	14.1346	14.8702	14.1541	solute carrier family 25 member 37 [Source:HGNC Symbol;Acc:HG	chr8:23386	NM_01661	.	.	.	NP_05769	.	protein_co	ENSG0000	51312	29786
SLC25A38	29.3266	27.2533	25.8617	25.9891	23.3136	17.3083	solute carrier family 25 member 38 [Source:HGNC Symbol;Acc:HG	chr3:39424	NM_01787	XM_01153	.	.	NP_06034	XP_006713	protein_co	ENSG0000	54977	26054
SLC25A39	237.258	241.392	214.912	296.745	252.983	207.02	solute carrier family 25 member 39 [Source:HGNC Symbol;Acc:HG	chr17:4239	NM_00114	XM_01152	.	.	NP_00113	XP_005257	protein_co	ENSG0000	51629	24279
SLC25A4	7.12866	8.2904	9.80898	9.56269	8.11547	10.1784	solute carrier family 25 member 4 [Source:HGNC Symbol;Acc:HGN	chr4:18606	NM_00115	.	.	.	NP_00114	.	protein_co	ENSG0000	291	10990
SLC25A40	5.6351	6.11475	5.78587	5.6421	6.87198	8.07323	solute carrier family 25 member 40 [Source:HGNC Symbol;Acc:HG	chr7:87462	NM_01884	XM_01151	.	.	NP_06133	XP_005250	protein_co	ENSG0000	55972	29680
SLC25A41	0.702697	0.650804	0.648873	0.433002	0.347781	0.599726	solute carrier family 25 member 41 [Source:HGNC Symbol;Acc:HG	chr19:6426	NM_00132	XM_01152	.	.	NP_00130	.	protein_co	ENSG0000	284427	28533
SLC25A42	3.70958	3.32673	4.6549	3.70835	3.91751	2.96758	solute carrier family 25 member 42 [Source:HGNC Symbol;Acc:HG	chr19:1917	NM_00132	XM_01152	.	.	NP_00130	XP_005259	protein_co	ENSG0000	284439	28380
SLC25A43	8.93536	8.42564	8.68719	7.60888	8.08176	9.42736	solute carrier family 25 member 43 [Source:HGNC Symbol;Acc:HG	chrX:11853	NM_14530	.	.	.	NP_66034	.	protein_co	ENSG0000	203427	30557
SLC25A44	8.37409	9.17524	9.41553	14.3226	13.2451	11.2327	solute carrier family 25 member 44 [Source:HGNC Symbol;Acc:HG	chr1:15616	NM_00128	XM_01151	.	.	NP_00127	XP_006711	protein_co	ENSG0000	9673	29036
SLC25A45	1.30627	1.2949	1.53431	0.6112	0.750341	0.410689	solute carrier family 25 member 45 [Source:HGNC Symbol;Acc:HG	chr11:6514	NM_00107	XM_01154	.	.	NP_00107	XP_006718	protein_co	ENSG0000	283130	27442
SLC25A46	14.0405	12.9901	13.945	12.3686	17.16	12.9264	solute carrier family 25 member 46 [Source:HGNC Symbol;Acc:HG	chr5:11007	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	91137	25198
SLC25A47	0	0	0	0	0	0	solute carrier family 25 member 47 [Source:HGNC Symbol;Acc:HG	chr14:1007	NM_20711	.	.	.	NP_99700	.	protein_co	ENSG0000	283600	20115
SLC25A48	1.1114	1.04532	1.81276	1.82859	1.84717	1.16335	solute carrier family 25 member 48 [Source:HGNC Symbol;Acc:HG	chr5:13517	NM_14528	XM_00671	.	.	NP_66032	XP_006714	protein_co	ENSG0000	153328	30451
SLC25A5	431.119	431.356	479.452	541.81	506.57	494.981	solute carrier family 25 member 5 [Source:HGNC Symbol;Acc:HGN	chrX:11860	NM_00115	.	.	.	NP_00114	.	protein_co	ENSG0000	292	10991
SLC25A51	14.5459	14.7188	17.0083	12.2502	12.8311	10.1882	solute carrier family 25 member 51 [Source:HGNC Symbol;Acc:HG	chr9:37887	NM_03341	.	.	.	NP_21948	.	protein_co	ENSG0000	92014	23323
SLC25A52	0.129838	0.546412	0.112188	0.146116	0.437232	0.12944	solute carrier family 25 member 52 [Source:HGNC Symbol;Acc:HG	chr18:2933	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	147407	23324
SLC25A53	0.089828	0.079834	0.064494	0.06789	0	0.044087	solute carrier family 25 member 53 [Source:HGNC Symbol;Acc:HG	chrX:10334	NM_00101	XM_01153	.	.	NP_00101	XP_005262	protein_co	ENSG0000	401612	31894
SLC25A6	59.1991	53.4345	65.6384	50.2725	41.7385	54.7051	solute carrier family 25 member 6 [Source:HGNC Symbol;Acc:HGN	chrX:15050	NM_00163	.	.	.	NP_00162	.	protein_co	ENSG0000	293	10992
SLC26A1	0.272368	0.220804	0.086079	0.069781	0.092549	0.351694	solute carrier family 26 member 1 [Source:HGNC Symbol;Acc:HGN	chr4:97286	NM_02204	XM_00671	.	.	NP_07132	XP_006713	protein_co	ENSG0000	10861	10993
SLC26A10	0.132465	0.033174	0.057063	0	0.038013	0.177846	solute carrier family 26 member 10 [Source:HGNC Symbol;Acc:HG	chr12:5801	NM_13348	.	.	.	NP_59799	.	protein_co	ENSG0000	65012	14470
SLC26A11	4.98653	6.0254	7.28831	4.71501	3.97353	4.39552	solute carrier family 26 member 11 [Source:HGNC Symbol;Acc:HG	chr17:7819	NM_00116	XM_01152	.	.	NP_00115	XP_006721	protein_co	ENSG0000	284129	14471
SLC26A2	5.09473	5.35789	6.00775	4.25595	6.19218	6.48946	solute carrier family 26 member 2 [Source:HGNC Symbol;Acc:HGN	chr5:14934	NM_00011	.	.	.	NP_00010	XP_016864	protein_co	ENSG0000	1836	10994
SLC26A3	0	0	0	0	0	0	solute carrier family 26 member 3 [Source:HGNC Symbol;Acc:HGN	chr7:10740	NM_00011	XM_01151	.	.	NP_00010	XP_011514	protein_co	ENSG0000	1811	3018
SLC26A4	0.210433	0.150183	0.151654	0.340862	0.369182	0.358537	solute carrier family 26 member 4 [Source:HGNC Symbol;Acc:HGN	chr7:10730	NM_00044	XM_00525	.	.	NP_00043	XP_005250	protein_co	ENSG0000	5172	8818
SLC26A5	0.091242	0.138336	0.083684	0	0.036485	0.045784	solute carrier family 26 member 5 [Source:HGNC Symbol;Acc:HGN	chr7:10298	NM_00116	XM_01151	.	.	NP_00116	XP_011514	protein_co	ENSG0000	375611	9359
SLC26A6	12.6662	11.7764	15.5758	11.894	12.9013	8.69398	solute carrier family 26 member 6 [Source:HGNC Symbol;Acc:HGN	chr3:48663	NM_00104	.	NR_10688	.	NP_00103	.	protein_co	ENSG0000	102465495	14472
SLC26A7	0.355709	0.1206	0.373518	0.170341	0.116448	0.11913	solute carrier family 26 member 7 [Source:HGNC Symbol;Acc:HGN	chr8:92114	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	115111	14467
SLC26A8	0	0	0.019124	0	0	0.022311	solute carrier family 26 member 8 [Source:HGNC Symbol;Acc:HGN	chr6:35911	NM_00119	XM_01701	.	.	NP_00118	XP_011512	protein_co	ENSG0000	116369	14468
SLC26A9	0.015213	0	0.013165	0.01666	0	0.032135	solute carrier family 26 member 9 [Source:HGNC Symbol;Acc:HGN	chr1:20588	NM_05293	XM_01150	.	.	NP_44316	XP_011507	protein_co	ENSG0000	115019	14469
SLC27A1	6.55169	7.61961	11.2513	5.76414	5.43707	7.88831	solute carrier family 27 member 1 [Source:HGNC Symbol;Acc:HGN	chr19:1758	NM_19858	XM_01152	.	.	NP_94098	XP_011526	protein_co	ENSG0000	376497	10995
SLC27A2	11.0653	11.0574	9.53685	12.4337	11.5817	12.1846	solute carrier family 27 member 2 [Source:HGNC Symbol;Acc:HGN	chr15:5047	NM_00115	.	.	.	NP_00115	.	protein_co	ENSG0000	11001	10996
SLC27A3	4.16713	5.58259	4.44939	8.17905	5.72	5.78732	solute carrier family 27 member 3 [Source:HGNC Symbol;Acc:HGN	chr1:15370	NM_02433	.	.	.	NP_00130	.	protein_co	ENSG0000	11000	10997
SLC27A4	22.4878	23.6588	20.4432	21.448	19.1638	15.7937	solute carrier family 27 member 4 [Source:HGNC Symbol;Acc:HGN	chr9:13110	NM_00509	XM_01701	.	.	NP_00508	XP_016869	protein_co	ENSG0000	10999	10998
SLC27A5	21.3545	19.0501	20.693	30.0805	24.3336	15.4884	solute carrier family 27 member 5 [Source:HGNC Symbol;Acc:HGN	chr19:5900	NM_00132	XM_01152	.	.	NP_00130	XP_011524	protein_co	ENSG0000	10998	10999
SLC27A6	7.02481	7.34799	6.47491	5.3384	6.43847	7.93051	solute carrier family 27 member 6 [Source:HGNC Symbol;Acc:HGN	chr5:12830	NM_00101	XM_00527	.	.	NP_00101	XP_005272	protein_co	ENSG0000	28965	11000
SLC28A1	0.078552	0	0.03376	0	0	0	solute carrier family 28 member 1 [Source:HGNC Symbol;Acc:HGN	chr15:8542	NM_00128	XM_01152	.	.	NP_00127	XP_011520	protein_co	ENSG0000	9154	11001
SLC28A2	0	0	0	0	0	0.018053	solute carrier family 28 member 2 [Source:HGNC Symbol;Acc:HGN	chr15:4554	NM_00421	XM_01152	.	.	NP_00420	XP_011520	protein_co	ENSG0000	9153	11002
SLC28A3	0	0	0	0.017857	0	0	solute carrier family 28 member 3 [Source:HGNC Symbol;Acc:HGN	chr9:86890	NM_00119	XM_01151	.	.	NP_00118	XP_011517	protein_co	ENSG0000	64078	16484
SLC29A1	84.018	80.0762	64.319	70.9563	69.2806	46.3534	solute carrier family 29 member 1 (Augustine blood group) [Sour	chr6:44187	NM_00107	XM_01151	.	.	NP_00107	XP_005248	protein_co	ENSG0000	2030	11003

SLC29A2	17.2034	17.4443	20.9243	14.2105	13.1884	14.2611	solute carrier family 29 member 2 [Source:HGNC Symbol;Acc:HG	chr11:6612	NM_00130	XM_01701	.	.	NP_00128	XP_01154	protein_co	ENSG0000	3177	11004
SLC29A3	5.49752	3.68703	4.63371	4.27471	3.15448	3.11098	solute carrier family 29 member 3 [Source:HGNC Symbol;Acc:HG	chr10:7307	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	55315	23096
SLC29A4	8.58716	9.19397	16.6547	10.3766	9.45262	10.209	solute carrier family 29 member 4 [Source:HGNC Symbol;Acc:HG	chr7:53225	NM_00104	XM_01151	.	.	NP_00103	XP_00524	protein_co	ENSG0000	222962	23097
SLC2A1	59.1614	68.1392	82.7174	82.3792	81.6286	77.7497	solute carrier family 2 member 1 [Source:HGNC Symbol;Acc:HGN	chr1:43391	NM_00651	.	.	.	NP_00650	.	protein_co	ENSG0000	6513	11005
SLC2A10	0	0.044163	0.018331	0	0.023973	0.021927	solute carrier family 2 member 10 [Source:HGNC Symbol;Acc:HG	chr20:4533	NM_03077	XM_01152	.	.	NP_11040	XP_01152	protein_co	ENSG0000	81031	13444
SLC2A11	4.4281	6.62333	5.53408	4.22961	4.18484	4.88998	solute carrier family 2 member 11 [Source:HGNC Symbol;Acc:HG	chr22:2419	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	66035	14239
SLC2A12	1.56552	1.17018	2.66692	1.26583	1.1648	1.8649	solute carrier family 2 member 12 [Source:HGNC Symbol;Acc:HG	chr6:13427	NM_14517	.	.	.	NP_66015	.	protein_co	ENSG0000	154091	18067
SLC2A13	1.84024	2.7945	2.24257	2.28221	2.67419	2.92345	solute carrier family 2 member 13 [Source:HGNC Symbol;Acc:HG	chr12:4014	NM_05288	XM_01153	.	.	NP_44311	XP_01153	protein_co	ENSG0000	114134	15956
SLC2A14	0	0	0	0	0	0	solute carrier family 2 member 14 [Source:HGNC Symbol;Acc:HG	chr12:7965	NM_00128	XM_01701	.	.	NP_00127	XP_00525	protein_co	ENSG0000	144195	18301
SLC2A2	0	0	0	0	0	0	solute carrier family 2 member 2 [Source:HGNC Symbol;Acc:HGN	chr3:17071	NM_00034	XM_01151	.	.	NP_00033	XP_01151	protein_co	ENSG0000	6514	11006
SLC2A3	1.6887	2.09057	2.84599	0.817666	1.02224	1.78641	solute carrier family 2 member 3 [Source:HGNC Symbol;Acc:HGN	chr12:8071	NM_00693	.	.	.	NP_00886	.	protein_co	ENSG0000	6515	11007
SLC2A4	1.36515	0.815202	0.894789	0.939555	1.14606	0.919618	solute carrier family 2 member 4 [Source:HGNC Symbol;Acc:HGN	chr17:7184	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	6517	11009
SLC2A4RG	59.8065	60.5968	56.5846	70.1824	57.5847	53.8874	SLC2A4 regulator [Source:HGNC Symbol;Acc:HGNC:15930]	chr20:6236	NM_02006	.	.	.	NP_06444	.	protein_co	ENSG0000	56731	15930
SLC2A5	0	0	0	0	0	0.039338	solute carrier family 2 member 5 [Source:HGNC Symbol;Acc:HGN	chr1:90951	NM_00113	XM_01154	.	.	NP_00112	XP_00526	protein_co	ENSG0000	6518	11010
SLC2A6	7.97927	9.31796	10.6896	8.18151	7.07755	4.46212	solute carrier family 2 member 6 [Source:HGNC Symbol;Acc:HGN	chr9:13633	NM_00114	XM_01701	.	.	NP_00113	XP_01151	protein_co	ENSG0000	11182	11011
SLC2A7	0.129559	0	0.110534	0	0	0	solute carrier family 2 member 7 [Source:HGNC Symbol;Acc:HGN	chr1:90633	NM_20742	XM_01154	.	.	NP_99730	XP_01153	protein_co	ENSG0000	155184	13445
SLC2A8	10.6272	11.0121	9.0794	11.2767	12.3718	9.83647	solute carrier family 2 member 8 [Source:HGNC Symbol;Acc:HGN	chr9:13015	NM_00127	XM_01151	.	.	NP_00125	XP_00671	protein_co	ENSG0000	29988	13812
SLC2A9	0.71562	0.589989	0.345684	0.146492	0.972097	0.425221	solute carrier family 2 member 9 [Source:HGNC Symbol;Acc:HGN	chr4:98278	NM_00100	XM_01151	.	.	NP_00100	XP_00671	protein_co	ENSG0000	56606	13446
SLC30A1	6.42673	6.84571	6.48444	4.90398	5.58648	5.70387	solute carrier family 30 member 1 [Source:HGNC Symbol;Acc:HG	chr1:21174	NM_02119	.	.	.	NP_06701	.	protein_co	ENSG0000	7779	11012
SLC30A10	0	0	0	0	0	0	solute carrier family 30 member 10 [Source:HGNC Symbol;Acc:H	chr1:22008	NM_01871	.	.	.	NP_06118	.	protein_co	ENSG0000	55532	25355
SLC30A2	0	0	0	0	0	0	solute carrier family 30 member 2 [Source:HGNC Symbol;Acc:HG	chr1:26363	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	7780	11013
SLC30A3	10.2627	9.04111	10.0123	8.59227	9.52429	8.21337	solute carrier family 30 member 3 [Source:HGNC Symbol;Acc:HG	chr2:27477	NM_00345	XM_00526	.	.	NP_00130	XP_00526	protein_co	ENSG0000	7781	11014
SLC30A4	1.19309	1.37202	1.3057	1.18182	1.43714	1.96636	solute carrier family 30 member 4 [Source:HGNC Symbol;Acc:HG	chr15:4577	NM_01330	XM_01702	.	.	NP_03744	XP_01152	protein_co	ENSG0000	7782	11015
SLC30A5	21.4527	23.1245	19.6804	20.5736	25.145	22.7969	solute carrier family 30 member 5 [Source:HGNC Symbol;Acc:HG	chr5:68389	NM_00125	XM_00671	.	.	NP_00123	XP_00524	protein_co	ENSG0000	64924	19089
SLC30A6	12.6892	12.9023	10.3804	12.0234	13.4896	10.9904	solute carrier family 30 member 6 [Source:HGNC Symbol;Acc:HG	chr2:32390	NM_00119	XM_01153	.	.	NP_00118	XP_01153	protein_co	ENSG0000	55676	19305
SLC30A7	5.79432	7.19411	7.73933	5.12688	8.61128	8.12595	solute carrier family 30 member 7 [Source:HGNC Symbol;Acc:HG	chr1:10136	NM_00114	XM_01154	.	.	NP_00113	XP_01153	protein_co	ENSG0000	148867	19306
SLC30A8	0	0	0	0	0.03538	0	solute carrier family 30 member 8 [Source:HGNC Symbol;Acc:HG	chr8:11796	NM_00117	XM_01151	.	.	NP_00116	XP_01151	protein_co	ENSG0000	169026	20303
SLC30A9	11.5357	11.6829	13.0381	10.5863	12.9257	16.7166	solute carrier family 30 member 9 [Source:HGNC Symbol;Acc:HG	chr4:41992	NM_00634	.	.	.	NP_00633	XP_01686	protein_co	ENSG0000	10463	1329
SLC31A1	14.0121	13.6535	13.9148	13.0806	14.7449	16.508	solute carrier family 31 member 1 [Source:HGNC Symbol;Acc:HG	chr9:11598	NM_00185	.	.	.	NP_00185	.	protein_co	ENSG0000	1317	11016
SLC31A2	5.64271	4.7251	4.32961	5.05015	4.24103	4.69349	solute carrier family 31 member 2 [Source:HGNC Symbol;Acc:HG	chr9:11591	NM_00186	.	.	.	NP_00185	XP_01151	protein_co	ENSG0000	1318	11017
SLC32A1	0.08148	0	0	0	0	0	solute carrier family 32 member 1 [Source:HGNC Symbol;Acc:HG	chr20:3735	NM_08055	.	.	.	NP_54211	.	protein_co	ENSG0000	140679	11018
SLC33A1	16.0787	17.0324	14.4894	15.2626	17.9536	12.4762	solute carrier family 33 member 1 [Source:HGNC Symbol;Acc:HG	chr3:15553	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	9197	95
SLC34A1	0	0.032822	0.028091	0	0	0.081838	solute carrier family 34 member 1 [Source:HGNC Symbol;Acc:HG	chr5:17681	NM_00116	XM_00526	.	.	NP_00116	XP_00526	protein_co	ENSG0000	6569	11019
SLC34A2	0	0	0	0	0	0	solute carrier family 34 member 2 [Source:HGNC Symbol;Acc:HG	chr4:25657	NM_00117	.	.	.	NP_00117	.	protein_co	ENSG0000	10568	11020
SLC34A3	0.099534	0.096523	0.211238	0	0	0	solute carrier family 34 member 3 [Source:HGNC Symbol;Acc:HG	chr9:14012	NM_00117	XM_01701	.	.	NP_00117	XP_01151	protein_co	ENSG0000	142680	20305
SLC35A1	24.0466	24.1522	26.3162	20.1684	25.3249	22.0367	solute carrier family 35 member A1 [Source:HGNC Symbol;Acc:H	chr6:88182	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	10559	11021
SLC35A2	32.0075	31.3941	24.5815	29.7945	30.0329	22.167	solute carrier family 35 member A2 [Source:HGNC Symbol;Acc:H	chrX:48760	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	7355	11022
SLC35A3	4.93579	5.43886	6.23991	6.20503	9.01702	8.82593	solute carrier family 35 member A3 [Source:HGNC Symbol;Acc:H	chr1:10043	NM_00127	XM_01154	.	.	NP_00125	XP_00527	protein_co	ENSG0000	23443	11023
SLC35A4	29.7405	31.9117	23.1975	36.8423	33.6047	23.8713	solute carrier family 35 member A4 [Source:HGNC Symbol;Acc:H	chr5:13993	NM_08067	.	.	.	NP_54240	.	protein_co	ENSG0000	113829	20753
SLC35A5	8.1163	8.75069	6.89246	5.21596	4.77804	8.48085	solute carrier family 35 member A5 [Source:HGNC Symbol;Acc:H	chr3:11228	NM_01794	XM_01151	.	.	NP_06041	XP_01151	protein_co	ENSG0000	55032	20792
SLC35B1	67.6628	66.0584	34.117	76.2687	59.1434	40.5537	solute carrier family 35 member B1 [Source:HGNC Symbol;Acc:H	chr17:4777	NM_00127	XM_01152	.	.	NP_00126	XP_00525	protein_co	ENSG0000	10237	20798
SLC35B2	54.7896	54.5821	61.0759	63.6213	56.9739	56.3329	solute carrier family 35 member B2 [Source:HGNC Symbol;Acc:H	chr6:44221	NM_00128	.	NR_03979	.	NP_00127	.	protein_co	ENSG0000	100616124	16872
SLC35B3	6.05391	4.40579	5.12834	5.04288	6.3859	7.33149	solute carrier family 35 member B3 [Source:HGNC Symbol;Acc:H	chr6:84133	NM_00114	XM_01151	.	.	NP_00113	XP_00524	protein_co	ENSG0000	51000	21601
SLC35B4	6.48174	6.76736	6.58669	5.94114	7.08514	7.93335	solute carrier family 35 member B4 [Source:HGNC Symbol;Acc:H	chr7:13397	NM_03282	.	.	.	NP_11621	XP_01151	protein_co	ENSG0000	84912	20584
SLC35C1	13.9275	15.3971	14.7312	14.9724	13.8219	11.0451	solute carrier family 35 member C1 [Source:HGNC Symbol;Acc:H	chr11:4582	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	55343	20197
SLC35C2	24.3767	23.0769	21.1029	19.0171	16.2824	17.2512	solute carrier family 35 member C2 [Source:HGNC Symbol;Acc:H	chr20:4497	NM_00128	XM_01702	.	.	NP_00126	XP_01152	protein_co	ENSG0000	51006	17117
SLC35D1	5.51436	5.55732	5.62782	5.55064	6.2666	5.27163	solute carrier family 35 member D1 [Source:HGNC Symbol;Acc:H	chr1:67465	NM_01513	XM_01154	.	.	NP_05595	XP_00671	protein_co	ENSG0000	23169	20800
SLC35D2	19.412	19.1186	23.3227	16.469	16.5705	22.2025	solute carrier family 35 member D2 [Source:HGNC Symbol;Acc:H	chr9:99082	NM_00128	XM_01151	.	.	NP_00127	XP_00525	protein_co	ENSG0000	11046	20799
SLC35D3	0.079462	0.120804	0	0	0	0.041727	solute carrier family 35 member D3 [Source:HGNC Symbol;Acc:H	chr6:13724	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	340146	15621
SLC35E1	20.1389	21.8821	19.598	20.3743	19.4442	18.4071	solute carrier family 35 member E1 [Source:HGNC Symbol;Acc:H	chr19:1666	NM_02488	.	.	.	NP_07915	.	protein_co	ENSG0000	79939	20803
SLC35E2	1.44964	1.76631	1.78819	1.61276	1.5728	1.83294	solute carrier family 35 member E2 [Source:HGNC Symbol;Acc:H	chr1:16562	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	9906	20863
SLC35E2B	10.2988	10.0922	10.3045	7.34521	8.05417	10.894	solute carrier family 35 member E2B [Source:HGNC Symbol;Acc:H	chr1:15909	NM_00111	XM_01154	.	.	NP_00110	XP_01154	protein_co	ENSG0000	728661	33941
SLC35E3	0.48187	0.626541	0.746339	0.594682	0.567262	0.570319	solute carrier family 35 member E3 [Source:HGNC Symbol;Acc:H	chr12:6913	NM_01865	.	.	.	NP_06112	.	protein_co	ENSG0000	55508	20864
SLC35E4	4.51005	4.69205	4.34046	5.60569	3.67591	4.31968	solute carrier family 35 member E4 [Source:HGNC Symbol;Acc:H	chr22:3103	NM_00100	.	.	.	NP_00100	XP_01688	protein_co	ENSG0000	339665	17058
SLC35F1	0	0.021282	0.034605	0.02267	0.022158	0.039271	solute carrier family 35 member F1 [Source:HGNC Symbol;Acc:H	chr6:11822	NM_00102	XM_00526	.	.	NP_00102	XP_00526	protein_co	ENSG0000	222553	21483
SLC35F2	37.7531	39.0224	35.4211	44.4872	45.0341	40.9094	solute carrier family 35 member F2 [Source:HGNC Symbol;Acc:H	chr11:1076	NM_01751	XM_00527	.	.	NP_05998	.	protein_co	ENSG0000	54733	23615
SLC35F3	3.83354	3.70666	4.37544	1.65195	1.64491	2.88363	solute carrier family 35 member F3 [Source:HGNC Symbol;Acc:H	chr1:23404	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	148641	23616
SLC35F4	0	0.046833	0	0.225136	0.056443	0	solute carrier family 35 member F4 [Source:HGNC Symbol;Acc:H	chr14:5803	NM_00120	XM_01153	.	.	NP_00119	XP_01153	protein_co	ENSG0000	341880	19845
SLC35F5	3.23819	3.28816	3.14494	2.09347	2.61429	3.10094	solute carrier family 35 member F5 [Source:HGNC Symbol;Acc:H	chr2:11447	NM_02518	XM_01151	.	.	NP_07945	XP_00526	protein_co	ENSG0000	80255	23617

SLC35F6	16.595	20.066	16.182	14.7681	14.02	14.9732	solute carrier family 35 member F6 [Source:HGNC Symbol;Acc:HG	chr2:26987	NM_01787	.	.	.	NP_060347	.	protein_co	ENSG0000	54978	26055
SLC35G1	5.12475	5.18624	5.06844	4.85196	6.15135	4.85784	solute carrier family 35 member G1 [Source:HGNC Symbol;Acc:HG	chr10:9565	NM_00113	XM_01153	.	.	NP_001128	XP_011537	protein_co	ENSG0000	159371	26607
SLC35G2	1.70872	2.35546	2.29709	2.04799	3.50284	2.30134	solute carrier family 35 member G2 [Source:HGNC Symbol;Acc:HG	chr3:13653	NM_00109	XM_01151	.	.	NP_001091	XP_006713	protein_co	ENSG0000	80723	28480
SLC35G3	0	0	0	0	0	0.039321	solute carrier family 35 member G3 [Source:HGNC Symbol;Acc:HG	chr17:3351	NM_15246	.	.	.	NP_689675	.	protein_co	ENSG0000	146861	26848
SLC35G4	0	0	0	0	0	0	solute carrier family 35 member G4 [Source:HGNC Symbol;Acc:HG	chr18:1160	NM_00128	.	.	.	NP_001269	.	protein_co	ENSG0000	646000	31043
SLC35G5	0	0.146307	0.062074	0.078475	0	0	solute carrier family 35 member G5 [Source:HGNC Symbol;Acc:HG	chr8:11188	NM_05402	.	.	.	NP_473369	.	protein_co	ENSG0000	83650	15546
SLC35G6	0	0	0	0	0	0	solute carrier family 35 member G6 [Source:HGNC Symbol;Acc:HG	chr17:7362	NM_00110	.	.	.	NP_001096	.	protein_co	ENSG0000	643664	31351
SLC36A1	3.38297	3.14927	4.55326	3.30506	3.08638	3.82451	solute carrier family 36 member 1 [Source:HGNC Symbol;Acc:HG	chr5:15081	NM_00130	XM_01700	.	.	NP_001295	XP_005268	protein_co	ENSG0000	206358	18761
SLC36A2	0	0	0	0	0	0	solute carrier family 36 member 2 [Source:HGNC Symbol;Acc:HG	chr5:15069	NM_18177	XM_00671	.	.	NP_861441	XP_005268	protein_co	ENSG0000	153201	18762
SLC36A3	0	0	0	0	0	0	solute carrier family 36 member 3 [Source:HGNC Symbol;Acc:HG	chr5:15065	NM_00114	XM_01153	.	.	NP_001138	XP_011535	protein_co	ENSG0000	285641	19659
SLC36A4	4.18401	5.32796	4.97492	6.55652	6.07121	6.68828	solute carrier family 36 member 4 [Source:HGNC Symbol;Acc:HG	chr11:9287	NM_00128	XM_00671	.	.	NP_001273	XP_016872	protein_co	ENSG0000	120103	19660
SLC37A1	5.36091	5.69676	4.58044	4.04541	3.69946	3.07977	solute carrier family 37 member 1 [Source:HGNC Symbol;Acc:HG	chr21:4391	NM_00132	XM_01702	.	.	NP_001307	XP_005261	protein_co	ENSG0000	54020	11024
SLC37A2	1.15818	1.08494	1.61408	1.1988	0.983749	0.928898	solute carrier family 37 member 2 [Source:HGNC Symbol;Acc:HG	chr11:1249	NM_00114	.	.	.	NP_001138	.	protein_co	ENSG0000	219855	20644
SLC37A3	20.2342	19.7124	19.8531	18.302	21.2549	21.2755	solute carrier family 37 member 3 [Source:HGNC Symbol;Acc:HG	chr7:14003	NM_00128	XM_01151	.	.	NP_001274	XP_011514	protein_co	ENSG0000	84255	20651
SLC37A4	46.176	46.2994	38.3159	51.4763	46.7068	43.5752	solute carrier family 37 member 4 [Source:HGNC Symbol;Acc:HG	chr11:1188	NM_00116	.	.	.	NP_001157	.	protein_co	ENSG0000	2542	4061
SLC38A1	54.8901	57.2571	40.2258	50.7637	65.5405	95.9925	solute carrier family 38 member 1 [Source:HGNC Symbol;Acc:HG	chr12:4657	NM_00107	XM_01153	.	.	NP_001070	XP_011537	protein_co	ENSG0000	81539	13447
SLC38A10	37.2919	37.627	40.1502	32.3882	30.2789	36.4896	solute carrier family 38 member 10 [Source:HGNC Symbol;Acc:HG	chr17:7921	NM_00103	XM_01152	.	.	NP_001033	XP_005257	protein_co	ENSG0000	124565	28237
SLC38A11	0	0	0	0	0	0	solute carrier family 38 member 11 [Source:HGNC Symbol;Acc:HG	chr2:16575	NM_00119	XM_01151	.	.	NP_001186	XP_005246	protein_co	ENSG0000	151258	26836
SLC38A2	184.332	176.564	173.804	154.49	276.807	495.054	solute carrier family 38 member 2 [Source:HGNC Symbol;Acc:HG	chr12:4675	NM_00130	XM_00526	.	.	NP_001294	XP_005269	protein_co	ENSG0000	54407	13448
SLC38A3	0.981481	1.08475	1.17575	0.691943	1.37112	0.902445	solute carrier family 38 member 3 [Source:HGNC Symbol;Acc:HG	chr3:50242	NM_00684	XM_00671	.	.	NP_006832	XP_006713	protein_co	ENSG0000	10991	18044
SLC38A4	0.028531	0.030437	0	0	0	0	solute carrier family 38 member 4 [Source:HGNC Symbol;Acc:HG	chr12:4715	NM_00114	XM_00526	.	.	NP_001137	XP_005269	protein_co	ENSG0000	55089	14679
SLC38A5	29.3848	30.2218	19.2407	13.5197	12.7225	6.40467	solute carrier family 38 member 5 [Source:HGNC Symbol;Acc:HG	chrX:48316	NM_03351	XM_01702	.	.	NP_277053	XP_005272	protein_co	ENSG0000	92745	18070
SLC38A6	0.890793	1.44392	1.20204	0.883582	0.707115	0.581969	solute carrier family 38 member 6 [Source:HGNC Symbol;Acc:HG	chr14:6143	NM_00117	XM_01702	.	.	NP_001166	XP_016876	protein_co	ENSG0000	145389	19863
SLC38A7	5.623	5.97616	4.74131	4.55772	3.95058	3.70525	solute carrier family 38 member 7 [Source:HGNC Symbol;Acc:HG	chr16:5869	NM_00130	XM_01702	.	.	NP_001295	XP_011521	protein_co	ENSG0000	55238	25582
SLC38A8	0	0	0	0.089128	0	0	solute carrier family 38 member 8 [Source:HGNC Symbol;Acc:HG	chr16:8404	NM_00108	XM_01152	.	.	NP_001073	XP_011521	protein_co	ENSG0000	146167	32434
SLC38A9	6.32502	6.23775	5.57684	4.10908	6.09624	7.02421	solute carrier family 38 member 9 [Source:HGNC Symbol;Acc:HG	chr5:54921	NM_00125	XM_01154	.	.	NP_001245	XP_006714	protein_co	ENSG0000	153129	26907
SLC39A1	53.4789	53.3712	44.123	54.3064	50.9145	40.7165	solute carrier family 39 member 1 [Source:HGNC Symbol;Acc:HG	chr1:15393	NM_00127	.	.	.	NP_001258	.	protein_co	ENSG0000	27173	12876
SLC39A10	11.403	10.8113	14.7404	14.4822	19.0628	18.075	solute carrier family 39 member 10 [Source:HGNC Symbol;Acc:HG	chr2:19652	NM_00112	XM_01151	.	.	NP_001120	XP_005246	protein_co	ENSG0000	57181	20861
SLC39A11	20.6115	21.3936	21.8425	18.2051	18.9156	20.5302	solute carrier family 39 member 11 [Source:HGNC Symbol;Acc:HG	chr17:7064	NM_00115	XM_01702	.	.	NP_001153	XP_005257	protein_co	ENSG0000	201266	14463
SLC39A12	0	0	0	0	0	0	solute carrier family 39 member 12 [Source:HGNC Symbol;Acc:HG	chr10:1824	NM_00114	.	.	.	NP_001138	.	protein_co	ENSG0000	221074	20860
SLC39A13	15.8106	15.3161	17.0745	12.0825	9.44353	9.57433	solute carrier family 39 member 13 [Source:HGNC Symbol;Acc:HG	chr11:4742	NM_00112	XM_01701	.	.	NP_001121	XP_006718	protein_co	ENSG0000	91252	20859
SLC39A14	54.5685	57.1643	44.1265	48.9605	55.0185	61.222	solute carrier family 39 member 14 [Source:HGNC Symbol;Acc:HG	chr8:22224	NM_00112	XM_01701	.	.	NP_001121	XP_005273	protein_co	ENSG0000	23516	20858
SLC39A2	0.132549	0	0.057361	0.320682	0	0.136415	solute carrier family 39 member 2 [Source:HGNC Symbol;Acc:HG	chr14:2146	NM_00125	.	.	.	NP_001243	.	protein_co	ENSG0000	29986	17127
SLC39A3	28.1125	27.87	22.1939	36.1431	31.7621	33.0628	solute carrier family 39 member 3 [Source:HGNC Symbol;Acc:HG	chr19:2714	NM_14456	.	.	.	NP_653165	.	protein_co	ENSG0000	29985	17128
SLC39A4	24.7776	26.0917	25.5487	26.1737	20.2666	16.5599	solute carrier family 39 member 4 [Source:HGNC Symbol;Acc:HG	chr8:14563	NM_01776	XM_01151	.	.	NP_060237	XP_006716	protein_co	ENSG0000	55630	17129
SLC39A5	0	0	0	0.050232	0	0	solute carrier family 39 member 5 [Source:HGNC Symbol;Acc:HG	chr12:5662	NM_00113	XM_01701	.	.	NP_001128	XP_005268	protein_co	ENSG0000	283375	20502
SLC39A6	57.5585	61.8316	51.8241	84.8178	90.3257	80.3365	solute carrier family 39 member 6 [Source:HGNC Symbol;Acc:HG	chr18:3368	NM_00109	XM_01152	.	.	NP_001092	XP_011524	protein_co	ENSG0000	25800	18607
SLC39A7	99.6323	98.1812	88.4045	88.6282	86.6821	70.7638	solute carrier family 39 member 7 [Source:HGNC Symbol;Acc:HG	chr6:33168	NM_00107	.	.	.	NP_001070	.	protein_co	ENSG0000	7922	4927
SLC39A8	8.59246	6.80515	10.0382	9.77233	13.1211	14.5603	solute carrier family 39 member 8 [Source:HGNC Symbol;Acc:HG	chr4:10317	NM_00113	XM_01700	.	.	NP_001128	XP_005263	protein_co	ENSG0000	64116	20862
SLC39A9	36.7978	34.7076	39.2523	32.783	39.984	43.8433	solute carrier family 39 member 9 [Source:HGNC Symbol;Acc:HG	chr14:6986	NM_00125	XM_00526	.	.	NP_001239	XP_005267	protein_co	ENSG0000	55334	20182
SLC3A1	0.073172	0.064543	0.092089	0	0.187705	0.126323	solute carrier family 3 member 1 [Source:HGNC Symbol;Acc:HGN	chr2:44502	NM_00034	XM_01153	.	.	NP_000332	XP_011531	protein_co	ENSG0000	6519	11025
SLC3A2	262.868	262.979	140.55	216.54	183.493	398.899	solute carrier family 3 member 2 [Source:HGNC Symbol;Acc:HGN	chr11:6262	NM_00101	.	.	.	NP_001012	.	protein_co	ENSG0000	6520	11026
SLC40A1	0.282129	0.355071	0.286926	0.960149	1.19474	1.98781	solute carrier family 40 member 1 [Source:HGNC Symbol;Acc:HG	chr2:19042	NM_01458	XM_00524	.	.	NP_055400	XP_005246	protein_co	ENSG0000	30061	10909
SLC41A1	14.2154	15.2962	17.0551	15.3934	17.6487	18.7827	solute carrier family 41 member 1 [Source:HGNC Symbol;Acc:HG	chr1:20575	NM_17385	XM_00524	.	.	NP_776253	XP_005245	protein_co	ENSG0000	254428	19429
SLC41A2	2.71136	2.8065	2.40821	2.17929	2.52772	3.14732	solute carrier family 41 member 2 [Source:HGNC Symbol;Acc:HG	chr12:1051	NM_03214	XM_01702	.	.	NP_115524	XP_005269	protein_co	ENSG0000	84102	31045
SLC41A3	14.7692	17.6746	21.7587	7.07489	6.11126	10.1755	solute carrier family 41 member 3 [Source:HGNC Symbol;Acc:HG	chr3:12572	NM_00100	XM_01700	.	.	NP_001008	XP_005247	protein_co	ENSG0000	54946	31046
SLC43A1	2.36668	2.47514	1.72983	1.38656	0.957478	3.51916	solute carrier family 43 member 1 [Source:HGNC Symbol;Acc:HG	chr11:5725	NM_00119	XM_01701	.	.	NP_001185	XP_005274	protein_co	ENSG0000	8501	9225
SLC43A2	7.66737	8.69321	9.33013	5.81913	5.18635	3.94636	solute carrier family 43 member 2 [Source:HGNC Symbol;Acc:HG	chr17:1472	NM_00128	XM_01702	.	.	NP_001271	XP_011521	protein_co	ENSG0000	124935	23087
SLC43A3	18.4699	19.1265	14.6965	19.6371	20.4281	12.206	solute carrier family 43 member 3 [Source:HGNC Symbol;Acc:HG	chr11:5715	NM_00127	.	.	.	NP_001265	.	protein_co	ENSG0000	29015	17466
SLC44A1	15.2626	13.0318	17.2813	14.5554	17.0979	22.0201	solute carrier family 44 member 1 [Source:HGNC Symbol;Acc:HG	chr9:10800	NM_00128	XM_01701	.	.	NP_001273	XP_005251	protein_co	ENSG0000	23446	18798
SLC44A2	38.6173	36.936	28.2734	46.5907	40.8129	36.7188	solute carrier family 44 member 2 [Source:HGNC Symbol;Acc:HG	chr19:1071	NM_00114	XM_00525	.	.	NP_001138	XP_005260	protein_co	ENSG0000	57153	17292
SLC44A3	3.14466	3.25649	4.96972	4.64785	5.79464	4.25733	solute carrier family 44 member 3 [Source:HGNC Symbol;Acc:HG	chr1:95285	NM_00111	XM_01700	.	.	NP_001107	XP_005270	protein_co	ENSG0000	126969	28689
SLC44A4	0.034205	0	0.110722	0.074032	0.039241	0.036673	solute carrier family 44 member 4 [Source:HGNC Symbol;Acc:HG	chr6:31830	.	.	.	.	NP_001171	.	protein_co	ENSG0000	80736	13941
SLC44A5	1.52547	1.54162	2.32321	1.01538	1.50858	2.04447	solute carrier family 44 member 5 [Source:HGNC Symbol;Acc:HG	chr1:75667	NM_00113	XM_01700	.	.	NP_001123	XP_006710	protein_co	ENSG0000	204962	28524
SLC45A1	4.26234	3.97446	6.18728	5.48328	5.08253	7.50918	solute carrier family 45 member 1 [Source:HGNC Symbol;Acc:HG	chr1:83778	NM_00108	XM_01154	.	.	NP_001073	XP_011539	protein_co	ENSG0000	50651	17939
SLC45A2	0.176214	0.127517	0	0	0	0	solute carrier family 45 member 2 [Source:HGNC Symbol;Acc:HG	chr5:33944	NM_00101	.	.	.	NP_001012	.	protein_co	ENSG0000	51151	16472
SLC45A3	6.45801	7.03545	8.74228	5.62953	5.68092	5.73816	solute carrier family 45 member 3 [Source:HGNC Symbol;Acc:HG	chr1:20562	NM_03310	XM_00524	.	.	NP_149093	XP_005245	protein_co	ENSG0000	85414	8642
SLC45A4	7.35856	8.19934	7.71298	6.41732	8.04087	6.36938	solute carrier family 45 member 4 [Source:HGNC Symbol;Acc:HG	chr8:14221	NM_00108	XM_01151	.	.	NP_001073	XP_011515	protein_co	ENSG0000	57210	29196
SLC46A1	7.75529	7.50874	7.7183	6.37878	6.32731	4.99735	solute carrier family 46 member 1 [Source:HGNC Symbol;Acc:HG	chr17:2669	NM_00124	XM_01702	.	.	NP_001229	XP_016879	protein_co	ENSG0000	113235	30521

SLC46A2	0	0	0	0	0	0.037328	solute carrier family 46 member 2 [Source:HGNC Symbol;Acc:HG	chr9:11564	NM_03305	.	.	.	NP_14904	.	protein_co	ENSG0000	57864	16055
SLC46A3	1.50443	0.996202	1.91019	0.7339	1.30143	1.6529	solute carrier family 46 member 3 [Source:HGNC Symbol;Acc:HG	chr13:2927	NM_00113	XM_00526	.	.	NP_00112	XP_00526	protein_co	ENSG0000	283537	27501
SLC47A1	0	0	0	0	0	0	solute carrier family 47 member 1 [Source:HGNC Symbol;Acc:HG	chr17:1943	NM_01824	.	.	.	NP_06071	.	protein_co	ENSG0000	55244	25588
SLC47A2	0	0	0	0	0	0	solute carrier family 47 member 2 [Source:HGNC Symbol;Acc:HG	chr17:1958	NM_00109	XM_01152	NR_13562	.	NP_00109	XP_01687	protein_co	ENSG0000	146802	26439
SLC48A1	10.012	9.82715	10.7682	12.5525	10.929	11.1868	solute carrier family 48 member 1 [Source:HGNC Symbol;Acc:HG	chr12:4812	NM_01784	XM_01701	.	.	NP_06031	XP_00526	protein_co	ENSG0000	55652	26035
SLC4A1	0.014221	0	0.030211	0.018869	0	0.09807	solute carrier family 4 member 1 (Diego blood group) [Source:HG	chr17:4232	NM_00034	XM_01152	.	.	NP_00033	XP_00525	protein_co	ENSG0000	6521	11027
SLC4A10	0	0.015145	0	0	0	0	solute carrier family 4 member 10 [Source:HGNC Symbol;Acc:HG	chr2:16248	NM_00117	XM_01700	.	.	NP_00117	XP_00524	protein_co	ENSG0000	57282	13811
SLC4A11	7.68664	8.18571	10.0522	8.00879	6.41885	5.31609	solute carrier family 4 member 11 [Source:HGNC Symbol;Acc:HG	chr20:3208	NM_00117	XM_01702	.	.	NP_00116	XP_00526	protein_co	ENSG0000	83959	16438
SLC4A1AP	13.5481	13.6743	11.7336	13.1256	11.4844	11.7199	solute carrier family 4 member 1 adaptor protein [Source:HGNC S	chr2:27848	NM_01815	.	.	.	NP_06062	.	protein_co	ENSG0000	22950	13813
SLC4A2	64.8914	64.6141	54.5219	72.2447	66.8995	48.4038	solute carrier family 4 member 2 [Source:HGNC Symbol;Acc:HGN	chr7:15075	NM_00119	XM_01151	.	.	NP_00118	XP_01151	protein_co	ENSG0000	6522	11028
SLC4A3	6.53807	6.66585	7.17118	4.61621	4.69766	4.67346	solute carrier family 4 member 3 [Source:HGNC Symbol;Acc:HGN	chr2:22049	NM_00132	XM_01151	.	.	NP_00131	XP_00524	protein_co	ENSG0000	6508	11029
SLC4A4	0.079641	0.057648	0.157103	0	0	0.010501	solute carrier family 4 member 4 [Source:HGNC Symbol;Acc:HGN	chr4:72052	NM_00109	XM_01153	.	.	NP_00109	XP_01153	protein_co	ENSG0000	8671	11030
SLC4A5	0.303167	0.314657	0.502864	0.194801	0.236168	0.299939	solute carrier family 4 member 5 [Source:HGNC Symbol;Acc:HGN	chr2:74425	NM_02119	.	.	.	NP_06701	.	protein_co	ENSG0000	57835	18168
SLC4A7	10.781	11.1768	12.5019	15.3912	19.7897	18.7741	solute carrier family 4 member 7 [Source:HGNC Symbol;Acc:HGN	chr3:27414	NM_00125	XM_01700	.	.	NP_00124	XP_00526	protein_co	ENSG0000	9497	11033
SLC4A8	0.253859	0.429601	0.574643	0.293916	0.398802	0.411982	solute carrier family 4 member 8 [Source:HGNC Symbol;Acc:HGN	chr12:5174	NM_00103	XM_01153	.	.	NP_00103	XP_00671	protein_co	ENSG0000	9498	11034
SLC4A9	0.057042	0.057099	0.06296	0.079535	0	0.053121	solute carrier family 4 member 9 [Source:HGNC Symbol;Acc:HGN	chr5:13973	NM_00125	XM_01153	.	.	NP_00124	XP_00526	protein_co	ENSG0000	83697	11035
SLC50A1	59.8592	59.2885	52.9167	51.7839	46.1065	49.5677	solute carrier family 50 member 1 [Source:HGNC Symbol;Acc:HG	chr1:15510	NM_00112	XM_00671	.	.	NP_00111	XP_00671	protein_co	ENSG0000	55974	30657
SLC51A	0	0	0	0	0	0	solute carrier family 51 alpha subunit [Source:HGNC Symbol;Acc:	chr3:19594	NM_15267	.	.	.	NP_68988	.	protein_co	ENSG0000	200931	29955
SLC51B	0.075266	0.076325	0	0	0	0.079721	solute carrier family 51 beta subunit [Source:HGNC Symbol;Acc:H	chr15:6533	NM_17885	XM_00525	.	.	NP_84919	XP_00525	protein_co	ENSG0000	123264	29956
SLC52A1	0	0	0	0.042967	0	0	solute carrier family 52 member 1 [Source:HGNC Symbol;Acc:HG	chr17:4935	NM_00110	XM_01152	.	.	NP_00109	XP_01152	protein_co	ENSG0000	55065	30225
SLC52A2	92.3439	91.5661	80.2179	99.8239	84.9902	57.1402	solute carrier family 52 member 2 [Source:HGNC Symbol;Acc:HG	chr8:14558	NM_00125	XM_01701	.	.	NP_00124	XP_00671	protein_co	ENSG0000	79581	30224
SLC52A3	5.96201	6.16853	6.96852	7.85999	6.77207	5.65613	solute carrier family 52 member 3 [Source:HGNC Symbol;Acc:HG	chr20:7407	NM_03340	XM_01152	.	.	NP_21213	XP_00526	protein_co	ENSG0000	113278	16187
SLC5A1	0.105522	0.142091	0.091168	1.23024	0.997274	1.87412	solute carrier family 5 member 1 [Source:HGNC Symbol;Acc:HGN	chr22:3243	NM_00034	.	.	.	NP_00033	.	protein_co	ENSG0000	6523	11036
SLC5A10	0	0.044534	0	0	0	0	solute carrier family 5 member 10 [Source:HGNC Symbol;Acc:HG	chr17:1885	NM_00104	XM_01152	.	.	NP_00103	XP_01152	protein_co	ENSG0000	125206	23155
SLC5A11	0.494728	0.248845	0.18948	0.357795	0.395395	0.226327	solute carrier family 5 member 11 [Source:HGNC Symbol;Acc:HG	chr16:2485	NM_00125	XM_01154	.	.	NP_00124	XP_00525	protein_co	ENSG0000	115584	23091
SLC5A12	0	0	0	0	0	0	solute carrier family 5 member 12 [Source:HGNC Symbol;Acc:HG	chr11:2668	NM_17849	XM_01151	.	.	NP_84859	XP_00671	protein_co	ENSG0000	159963	28750
SLC5A2	0	0	0	0	0	0.050104	solute carrier family 5 member 2 [Source:HGNC Symbol;Acc:HGN	chr16:3149	NM_00304	XM_00672	.	.	NP_00303	XP_00672	protein_co	ENSG0000	6524	11037
SLC5A3	5.6859	5.86336	6.46202	4.82841	6.25489	6.11483	solute carrier family 5 member 3 [Source:HGNC Symbol;Acc:HGN	chr21:3544	NM_00693	.	.	.	NP_00886	.	protein_co	ENSG0000	6526	11038
SLC5A4	0.121648	0	0.104424	0.044818	0.13818	0.041726	solute carrier family 5 member 4 [Source:HGNC Symbol;Acc:HGN	chr22:3261	NM_01422	XM_01153	.	.	NP_05504	XP_00672	protein_co	ENSG0000	6527	11039
SLC5A5	0.549888	0.472517	0.492462	1.75173	1.38731	1.14059	solute carrier family 5 member 5 [Source:HGNC Symbol;Acc:HGN	chr19:1798	NM_00045	XM_01152	.	.	NP_00044	XP_01152	protein_co	ENSG0000	6528	11040
SLC5A6	25.7452	26.956	22.2594	23.706	23.4243	16.3333	solute carrier family 5 member 6 [Source:HGNC Symbol;Acc:HGN	chr2:27422	NM_02109	XM_01153	NR_02832	.	NP_06691	XP_00671	protein_co	ENSG0000	8884	11041
SLC5A7	0	0	0	0	0	0	solute carrier family 5 member 7 [Source:HGNC Symbol;Acc:HGN	chr2:10860	NM_00130	XM_01151	.	.	NP_00129	.	protein_co	ENSG0000	60482	14025
SLC5A8	0	0	0	0	0	0	solute carrier family 5 member 8 [Source:HGNC Symbol;Acc:HGN	chr12:1015	NM_14591	.	.	.	NP_66601	.	protein_co	ENSG0000	160728	19119
SLC5A9	0	0	0	0	0	0	solute carrier family 5 member 9 [Source:HGNC Symbol;Acc:HGN	chr1:48688	NM_00101	XM_01154	.	.	NP_00101	XP_01153	protein_co	ENSG0000	200010	22146
SLC6A1	0.019193	0	0	0.021077	0	0	solute carrier family 6 member 1 [Source:HGNC Symbol;Acc:HGN	chr3:11034	NM_00304	XM_01153	.	.	NP_00303	XP_00526	protein_co	ENSG0000	6529	11042
SLC6A11	0	0	0	0.022122	0	0	solute carrier family 6 member 11 [Source:HGNC Symbol;Acc:HG	chr3:10857	NM_01422	XM_01153	.	.	NP_00130	XP_01153	protein_co	ENSG0000	6538	11044
SLC6A12	0.097679	0.078689	0.033484	0.042203	0	0.104459	solute carrier family 6 member 12 [Source:HGNC Symbol;Acc:HG	chr12:2992	NM_00112	XM_01152	.	.	NP_00111	XP_00525	protein_co	ENSG0000	6539	11045
SLC6A13	0.120594	0.2242	0.061903	0.119729	0.041046	0	solute carrier family 6 member 13 [Source:HGNC Symbol;Acc:HG	chr12:3297	NM_00119	XM_01152	.	.	NP_00117	XP_01151	protein_co	ENSG0000	6540	11046
SLC6A14	0	0	0	0	0	0	solute carrier family 6 member 14 [Source:HGNC Symbol;Acc:HG	chrX:11556	NM_00723	.	.	.	NP_00916	.	protein_co	ENSG0000	11254	11047
SLC6A15	0	0	0	0	0	0	solute carrier family 6 member 15 [Source:HGNC Symbol;Acc:HG	chr12:8525	NM_00114	XM_01153	.	.	NP_00113	XP_01153	protein_co	ENSG0000	55117	13621
SLC6A16	0.756871	1.01062	1.05101	0.48184	0.634079	1.16169	solute carrier family 6 member 16 [Source:HGNC Symbol;Acc:HG	chr19:4979	NM_01403	XM_01702	.	.	NP_05475	XP_00525	protein_co	ENSG0000	28968	13622
SLC6A17	5.57427	6.12035	5.35845	5.54071	6.11088	4.95212	solute carrier family 6 member 17 [Source:HGNC Symbol;Acc:HG	chr1:11069	NM_00101	XM_00671	.	.	NP_00101	XP_00671	protein_co	ENSG0000	388662	31399
SLC6A18	0	0	0	0	0	0	solute carrier family 6 member 18 [Source:HGNC Symbol;Acc:HG	chr5:12254	NM_18263	.	.	.	NP_87243	.	protein_co	ENSG0000	348932	26441
SLC6A19	0	0	0	0	0	0	solute carrier family 6 member 19 [Source:HGNC Symbol;Acc:HG	chr5:12017	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	340024	27960
SLC6A2	0	0	0	0	0	0	solute carrier family 6 member 2 [Source:HGNC Symbol;Acc:HGN	chr16:5568	NM_00104	XM_01152	.	.	NP_00103	XP_00672	protein_co	ENSG0000	6530	11048
SLC6A20	0.507321	0.508406	0.345935	0.595245	0.393891	0.289952	solute carrier family 6 member 20 [Source:HGNC Symbol;Acc:HG	chr3:45796	NM_02020	XM_00526	.	.	NP_06459	XP_00526	protein_co	ENSG0000	54716	30927
SLC6A3	0	0	0	0.022283	0	0	solute carrier family 6 member 3 [Source:HGNC Symbol;Acc:HGN	chr5:13929	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	6531	11049
SLC6A4	0.077173	0.094369	0.044425	0.043309	0	0.064584	solute carrier family 6 member 4 [Source:HGNC Symbol;Acc:HGN	chr17:2852	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	6532	11050
SLC6A5	0	0	0	0.014613	0	0.012766	solute carrier family 6 member 5 [Source:HGNC Symbol;Acc:HGN	chr11:2062	NM_00421	XM_01152	.	.	NP_00420	XP_01151	protein_co	ENSG0000	9152	11051
SLC6A6	14.0277	14.7913	15.3292	12.2897	11.9885	12.4607	solute carrier family 6 member 6 [Source:HGNC Symbol;Acc:HGN	chr3:14444	NM_00113	XM_01153	.	.	NP_00112	XP_00671	protein_co	ENSG0000	6533	11052
SLC6A7	0.020689	0.020525	0	0	0	0	solute carrier family 6 member 7 [Source:HGNC Symbol;Acc:HGN	chr5:14956	NM_01422	.	.	.	NP_05504	.	protein_co	ENSG0000	6534	11054
SLC6A8	48.6859	55.1998	46.0778	65.0578	58.0727	46.8994	solute carrier family 6 member 8 [Source:HGNC Symbol;Acc:HGN	chrX:15295	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	6535	11055
SLC6A9	3.88525	4.22712	1.74635	2.04541	2.11496	4.77322	solute carrier family 6 member 9 [Source:HGNC Symbol;Acc:HGN	chr1:44457	NM_00102	.	.	.	NP_00102	XP_01685	protein_co	ENSG0000	6536	11056
SLC7A1	33.1968	36.4943	23.059	24.9344	26.6008	50.1202	solute carrier family 7 member 1 [Source:HGNC Symbol;Acc:HGN	chr13:3008	NM_00304	XM_00526	.	.	NP_00303	XP_00526	protein_co	ENSG0000	6541	11057
SLC7A10	0	0	0	0.053044	0	0.109418	solute carrier family 7 member 10 [Source:HGNC Symbol;Acc:HG	chr19:3368	NM_01984	XM_01152	.	.	NP_06282	XP_00672	protein_co	ENSG0000	56301	11058
SLC7A11	11.2118	12.3304	4.45231	5.89805	7.61422	40.7531	solute carrier family 7 member 11 [Source:HGNC Symbol;Acc:HG	chr4:13908	NM_01433	XM_01153	.	.	NP_05514	XP_01153	protein_co	ENSG0000	23657	11059
SLC7A13	0	0	0	0	0	0	solute carrier family 7 member 13 [Source:HGNC Symbol;Acc:HG	chr8:87226	NM_13881	XM_01151	.	.	NP_62017	XP_01151	protein_co	ENSG0000	157724	23092
SLC7A14	0	0	0	0	0	0	solute carrier family 7 member 14 [Source:HGNC Symbol;Acc:HG	chr3:17013	NM_02094	.	.	.	NP_06600	.	protein_co	ENSG0000	57709	29326
SLC7A2	5.82766	6.91637	7.594	6.45187	7.18721	6.98017	solute carrier family 7 member 2 [Source:HGNC Symbol;Acc:HGN	chr8:17354	NM_00100	XM_01701	.	.	NP_00100	XP_00527	protein_co	ENSG0000	6542	11060

SLC7A3	0	0	0	0	0	0	solute carrier family 7 member 3 [Source:HGNC Symbol;Acc:HGN	chrX:70145	NM_00104	.	.	.	NP_00104	XP_016885	protein_co	ENSG0000	84889	11061
SLC7A4	0	0	0	0	0	0	solute carrier family 7 member 4 [Source:HGNC Symbol;Acc:HGN	chr22:2136	NM_00417	.	.	.	NP_004164	.	protein_co	ENSG0000	6545	11062
SLC7A5	229.81	238.75	130.626	188.637	175.12	378.559	solute carrier family 7 member 5 [Source:HGNC Symbol;Acc:HGN	chr16:8786	NM_00348	XM_01152	.	.	NP_00347	XP_006721	protein_co	ENSG0000	8140	11063
SLC7A6	15.5224	17.1678	15.9381	13.9751	16.4023	11.9399	solute carrier family 7 member 6 [Source:HGNC Symbol;Acc:HGN	chr16:6829	NM_00107	XM_01152	.	.	NP_00107	XP_011521	protein_co	ENSG0000	9057	11064
SLC7A6OS	7.58779	7.41864	7.25186	6.65952	7.17721	5.84904	solute carrier family 7 member 6 opposite strand [Source:HGNC S	chr16:6829	NM_03217	.	.	.	NP_115554	.	protein_co	ENSG0000	84138	25807
SLC7A7	0.174962	0.088449	0.073043	0.046921	0.097451	0.088532	solute carrier family 7 member 7 [Source:HGNC Symbol;Acc:HGN	chr14:2324	NM_00112	XM_01153	.	.	NP_00111	XP_006720	protein_co	ENSG0000	9056	11065
SLC7A8	2.86907	2.60554	3.68927	4.54665	4.74907	6.62873	solute carrier family 7 member 8 [Source:HGNC Symbol;Acc:HGN	chr14:2359	NM_00126	.	.	.	NP_00125	.	protein_co	ENSG0000	23428	11066
SLC7A9	0.294651	0.475835	0.31148	0.192206	0.067712	0.062377	solute carrier family 7 member 9 [Source:HGNC Symbol;Acc:HGN	chr19:3332	NM_00112	XM_01152	.	.	NP_00111	XP_011524	protein_co	ENSG0000	11136	11067
SLC8A1	0.021844	0.004447	0	0	0	0	solute carrier family 8 member A1 [Source:HGNC Symbol;Acc:HG	chr2:40324	NM_00111	XM_01153	.	.	NP_00110	XP_005264	protein_co	ENSG0000	6546	11068
SLC8A2	0.311475	0.625878	0.600831	0.183939	0.261599	0.400766	solute carrier family 8 member A2 [Source:HGNC Symbol;Acc:HG	chr19:4793	NM_01506	XM_00525	.	.	NP_05587	XP_005259	protein_co	ENSG0000	6543	11069
SLC8A3	0	0	0	0	0	0	solute carrier family 8 member A3 [Source:HGNC Symbol;Acc:HG	chr14:7051	NM_00113	XM_01702	.	.	NP_00112	XP_006720	protein_co	ENSG0000	6547	11070
SLC8B1	12.8467	14.0938	13.676	11.1362	13.0545	9.90091	solute carrier family 8 member B1 [Source:HGNC Symbol;Acc:HG	chr12:1137	NM_02495	XM_01153	.	.	NP_07923	XP_006719	protein_co	ENSG0000	80024	26175
SLC9A1	7.30739	6.52737	6.34591	8.13058	7.6824	9.88239	solute carrier family 9 member A1 [Source:HGNC Symbol;Acc:HG	chr1:27425	NM_00304	XM_01154	.	.	NP_00303	XP_011540	protein_co	ENSG0000	6548	11071
SLC9A2	0.867624	0.997029	0.940361	0.985984	0.882881	1.1989	solute carrier family 9 member A2 [Source:HGNC Symbol;Acc:HG	chr2:10323	NM_00304	.	.	.	NP_00303	.	protein_co	ENSG0000	6549	11072
SLC9A3	0	0.030391	0	0	0	0.034342	solute carrier family 9 member A3 [Source:HGNC Symbol;Acc:HG	chr5:47342	NM_00128	XM_01151	.	.	NP_00127	.	protein_co	ENSG0000	6550	11073
SLC9A3R1	56.0813	56.7892	57.9018	74.0383	67.3586	47.6108	SLC9A3 regulator 1 [Source:HGNC Symbol;Acc:HGNC:11075]	chr17:7274	NM_00425	.	NR_03740	.	NP_00424	.	protein_co	ENSG0000	100500847	11075
SLC9A3R2	23.9978	27.6318	29.4426	30.803	26.865	18.8467	SLC9A3 regulator 2 [Source:HGNC Symbol;Acc:HGNC:11076]	chr16:2076	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	9351	11076
SLC9A4	0	0	0	0	0	0	solute carrier family 9 member A4 [Source:HGNC Symbol;Acc:HG	chr2:10308	NM_00101	XM_01151	.	.	NP_00101	XP_011509	protein_co	ENSG0000	389015	11077
SLC9A5	2.58972	2.10129	2.92716	2.03984	2.02216	1.51809	solute carrier family 9 member A5 [Source:HGNC Symbol;Acc:HG	chr16:6728	NM_00132	XM_01152	.	.	NP_00131	.	protein_co	ENSG0000	6553	11078
SLC9A6	6.11743	6.47557	6.30775	6.35425	7.59755	6.98704	solute carrier family 9 member A6 [Source:HGNC Symbol;Acc:HG	chrX:13504	NM_00104	XM_01702	.	.	NP_00103	XP_006724	protein_co	ENSG0000	10479	11079
SLC9A7	4.9925	4.57909	6.43994	4.54514	5.31674	5.78512	solute carrier family 9 member A7 [Source:HGNC Symbol;Acc:HG	chrX:46458	NM_00125	XM_01154	.	.	NP_00124	XP_005272	protein_co	ENSG0000	84679	17123
SLC9A8	4.16653	4.62274	4.0745	3.06084	3.07318	3.65522	solute carrier family 9 member A8 [Source:HGNC Symbol;Acc:HG	chr20:4842	NM_00126	XM_01152	.	.	NP_00124	XP_006723	protein_co	ENSG0000	23315	20728
SLC9A9	0.215468	0.341434	0.317702	0.169647	0.240266	0.236877	solute carrier family 9 member A9 [Source:HGNC Symbol;Acc:HG	chr3:14298	NM_17365	.	.	.	NP_775924	.	protein_co	ENSG0000	285195	20653
SLC9B1	0.19908	0	0.226963	0.515757	0.164938	0.43079	solute carrier family 9 member B1 [Source:HGNC Symbol;Acc:HG	chr4:10379	NM_00110	XM_01153	.	.	NP_00109	XP_006714	protein_co	ENSG0000	150159	24244
SLC9B2	7.95838	9.26342	8.22327	6.5799	6.84215	8.08633	solute carrier family 9 member B2 [Source:HGNC Symbol;Acc:HG	chr4:10394	NM_00130	XM_00671	.	.	NP_00128	XP_006714	protein_co	ENSG0000	133308	25143
SLC9C1	0.081718	0.022278	0.017753	0.047314	0	0.019342	solute carrier family 9 member C1 [Source:HGNC Symbol;Acc:HG	chr3:11185	NM_00132	XM_01151	.	.	NP_00130	XP_006713	protein_co	ENSG0000	285335	31401
SLC9C2	0	0	0	0.02258	0	0	solute carrier family 9 member C2 (putative) [Source:HGNC Symb	chr1:17346	NM_17852	XM_01150	.	.	NP_84862	XP_011507	protein_co	ENSG0000	284525	28664
SLCO1A2	0	0	0	0	0	0	solute carrier organic anion transporter family member 1A2 [Sou	chr12:2141	NM_02109	XM_01152	.	.	NP_06658	XP_005253	protein_co	ENSG0000	6579	10956
SLCO1B1	0.07864	0	0	0.045668	0	0.185307	solute carrier organic anion transporter family member 1B1 [Sou	chr12:2128	NM_00644	.	.	.	NP_00643	.	protein_co	ENSG0000	10599	10959
SLCO1B3	2.60187	1.9744	1.92485	3.36157	4.07786	4.63985	solute carrier organic anion transporter family member 1B3 [Sou	chr12:2096	NM_01984	.	.	.	NP_06281	.	protein_co	ENSG0000	28234	10961
SLCO1B7	0.199002	0.243719	0.172137	0.114872	0	0.094317	solute carrier organic anion transporter family member 1B7 (puta	chr12:2096	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	338821	32934
SLCO1C1	0	0	0	0	0	0	solute carrier organic anion transporter family member 1C1 [Sou	chr12:2084	NM_00114	XM_01152	.	.	NP_00113	XP_005253	protein_co	ENSG0000	53919	13819
SLCO2A1	0.053191	0.019236	0.081687	0.020604	0.061624	0.283649	solute carrier organic anion transporter family member 2A1 [Sou	chr3:13365	NM_00563	.	.	.	NP_00562	XP_016862	protein_co	ENSG0000	6578	10955
SLCO2B1	0.21737	0.245225	0.073141	0.028567	0.090609	0.096121	solute carrier organic anion transporter family member 2B1 [Sou	chr11:7486	NM_00114	.	.	.	NP_00113	XP_016872	protein_co	ENSG0000	11309	10962
SLCO3A1	1.58357	1.53128	1.38857	3.64332	3.16664	2.74295	solute carrier organic anion transporter family member 3A1 [Sou	chr15:9239	NM_00114	XM_01152	NR_13577	.	NP_00113	XP_005254	protein_co	ENSG0000	28232	10952
SLCO4A1	25.9679	28.5837	26.3821	40.2327	37.3241	28.792	solute carrier organic anion transporter family member 4A1 [Sou	chr20:6127	NM_01635	XM_01152	.	.	NP_05743	XP_005260	protein_co	ENSG0000	28231	10953
SLCO4C1	0.129841	0.139857	0.182986	0.037226	0.071589	0.109679	solute carrier organic anion transporter family member 4C1 [Sou	chr5:10156	NM_18099	XM_01154	.	.	NP_85132	XP_011541	protein_co	ENSG0000	353189	23612
SLCO5A1	0.097852	0.116743	0.211109	0.162804	0.38711	0.262109	solute carrier organic anion transporter family member 5A1 [Sou	chr8:70579	NM_00114	XM_00525	.	.	NP_00113	XP_005251	protein_co	ENSG0000	81796	19046
SLCO6A1	0.055354	0.058826	0	0	0.061546	0.108245	solute carrier organic anion transporter family member 6A1 [Sou	chr5:10170	NM_00128	XM_01154	.	.	NP_00127	XP_005271	protein_co	ENSG0000	133482	23613
SLF1	3.50114	3.09309	2.51249	3.34341	4.6218	3.49603	SMC5-SMC6 complex localization factor 1 [Source:HGNC Symbol;	chr5:93488	NM_03229	XM_01154	.	.	NP_11566	XP_005272	protein_co	ENSG0000	84250	25408
SLF2	13.2311	13.1253	12.2561	10.9619	15.3701	15.3234	SMC5-SMC6 complex localization factor 2 [Source:HGNC Symbol;	chr10:1026	NM_00113	XM_01153	.	.	NP_00112	XP_005270	protein_co	ENSG0000	55719	17814
SLFN11	0	0	0	0	0	0	schlafen family member 11 [Source:HGNC Symbol;Acc:HGNC:266	chr17:3367	NM_00110	XM_01702	.	.	NP_00109	XP_005258	protein_co	ENSG0000	91607	26633
SLFN12	0.031529	0.067729	0.027247	0	0.03431	0	schlafen family member 12 [Source:HGNC Symbol;Acc:HGNC:255	chr17:3373	NM_00128	XM_01152	.	.	NP_00127	XP_005258	protein_co	ENSG0000	55106	25500
SLFN12L	0	0	0	0	0	0	schlafen family member 12 like [Source:HGNC Symbol;Acc:HGNC:	chr17:3380	NM_00119	XM_01702	.	.	NP_00118	XP_011522	protein_co	ENSG0000	100506736	33920
SLFN13	0	0	0	0	0	0	schlafen family member 13 [Source:HGNC Symbol;Acc:HGNC:264	chr17:3376	NM_14468	XM_01152	.	.	NP_65328	XP_005257	protein_co	ENSG0000	146857	26481
SLFN14	0	0.023051	0	0	0	0	schlafen family member 14 [Source:HGNC Symbol;Acc:HGNC:326	chr17:3387	NM_00112	XM_01152	.	.	NP_00112	XP_011523	protein_co	ENSG0000	342618	32689
SLFN5	10.0209	9.83485	10.7871	5.1434	6.13554	14.2915	schlafen family member 5 [Source:HGNC Symbol;Acc:HGNC:2828	chr17:3357	NM_14497	XM_00525	.	.	NP_65941	XP_005257	protein_co	ENSG0000	162394	28286
SLFNL1	0.123898	0.042309	0.071074	0	0.08495	0.040011	schlafen like 1 [Source:HGNC Symbol;Acc:HGNC:26313]	chr1:41481	NM_00116	XM_01154	.	.	NP_00116	XP_005270	protein_co	ENSG0000	200172	26313
SLIRP	310.367	261.978	251.85	417.554	295.521	240.592	SRA stem-loop interacting RNA binding protein [Source:HGNC Sy	chr14:7817	NM_00126	.	.	.	NP_00125	.	protein_co	ENSG0000	81892	20495
SLIT1	0.085567	0.160938	0.0834	0.173997	0.110315	0.103763	slit guidance ligand 1 [Source:HGNC Symbol;Acc:HGNC:11085]	chr10:9875	NM_00306	.	.	.	NP_00305	.	protein_co	ENSG0000	6585	11085
SLIT2	0.492089	0.556258	0.995573	0.3691	0.505848	0.757814	slit guidance ligand 2 [Source:HGNC Symbol;Acc:HGNC:11086]	chr4:20254	NM_00128	XM_01700	.	.	NP_00127	XP_005248	protein_co	ENSG0000	9353	11086
SLIT3	0.007636	0	0	0.040638	0	0.015603	slit guidance ligand 3 [Source:HGNC Symbol;Acc:HGNC:11087]	chr5:16808	NM_00127	XM_01700	.	.	NP_00125	XP_016865	protein_co	ENSG0000	6586	11087
SLITRK1	0	0	0	0	0	0	SLIT and NTRK like family member 1 [Source:HGNC Symbol;Acc:H	chr13:8445	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	114798	20297
SLITRK2	0	0	0	0	0	0	SLIT and NTRK like family member 2 [Source:HGNC Symbol;Acc:H	chrX:14489	NM_00114	XM_00526	.	.	NP_00113	XP_005262	protein_co	ENSG0000	84631	13449
SLITRK3	0	0	0	0	0	0	SLIT and NTRK like family member 3 [Source:HGNC Symbol;Acc:H	chr3:16490	NM_00131	XM_01151	.	.	NP_00130	XP_005247	protein_co	ENSG0000	22865	23501
SLITRK4	0	0	0	0	0	0	SLIT and NTRK like family member 4 [Source:HGNC Symbol;Acc:H	chrX:14271	NM_00118	XM_01153	.	.	NP_00117	XP_005262	protein_co	ENSG0000	139065	23502
SLITRK5	0	0.005656	0.004466	0	0.005623	0	SLIT and NTRK like family member 5 [Source:HGNC Symbol;Acc:H	chr13:8832	NM_01556	XM_00525	.	.	NP_05638	XP_005254	protein_co	ENSG0000	26050	20295
SLITRK6	0.018175	0.019736	0.031619	0	0.019906	0.034906	SLIT and NTRK like family member 6 [Source:HGNC Symbol;Acc:H	chr13:8636	NM_03222	.	.	.	NP_11560	.	protein_co	ENSG0000	84189	23503
SLK	17.0887	17.5533	19.4828	17.5107	20.7034	21.609	STE20 like kinase [Source:HGNC Symbol;Acc:HGNC:11088]	chr10:1057	NM_00130	XM_01154	.	.	NP_00129	XP_011538	protein_co	ENSG0000	9748	11088

SLMAP	19.1745	22.2281	20.1686	17.2738	19.7559	18.4513	sarcolemma associated protein [Source:HGNC Symbol;Acc:HGNC	chr3:57741	NM_00130	XM_01153	.	.	NP_00129	XP_005265	protein_co	ENSG0000	7871	16643
SLN	0	0	0	0.103365	0	0	sarcolipin [Source:HGNC Symbol;Acc:HGNC:11089]	chr11:1075	NM_00306	.	.	.	NP_00305	.	protein_co	ENSG0000	6588	11089
SLPI	3.17687	1.99846	0.717182	4.48061	3.43226	4.44682	secretory leukocyte peptidase inhibitor [Source:HGNC Symbol;Ac	chr20:4388	NM_00306	.	.	.	NP_00305	.	protein_co	ENSG0000	6590	11092
SLTM	29.6106	28.5789	26.8292	24.149	27.7189	25.9105	SAFB like transcription modulator [Source:HGNC Symbol;Acc:HGN	chr15:5917	NM_00101	XM_01702	.	.	NP_00101	XP_00672	protein_co	ENSG0000	79811	20709
SLU7	17.861	16.8865	16.9445	14.8543	14.0407	17.3765	SLU7 homolog, splicing factor [Source:HGNC Symbol;Acc:HGNC:1	chr5:15982	NM_00642	XM_01153	.	.	NP_00641	XP_005265	protein_co	ENSG0000	10569	16939
SLURP1	0	0	0	0	0	0	secreted LY6/PLAUR domain containing 1 [Source:HGNC Symbol;	chr8:14382	NM_02042	.	.	.	NP_06516	.	protein_co	ENSG0000	57152	18746
SLX1A	0	0	0	0	0	0	SLX1 homolog A, structure-specific endonuclease subunit [Source	chr16:3020	NM_00101	XM_01150	.	.	NP_00101	XP_011506	protein_co	ENSG0000	105369236	20922
SLX1B	0	0	0	0	0	0	SLX1 homolog B, structure-specific endonuclease subunit [Source	chr16:2946	NM_02404	XM_01150	.	.	NP_07694	XP_011506	protein_co	ENSG0000	105369236	28748
SLX4	1.98614	2.14868	2.22626	1.85809	1.78213	2.17476	SLX4 structure-specific endonuclease subunit [Source:HGNC Sym	chr16:3631	NM_03244	XM_01152	.	.	NP_11582	XP_011521	protein_co	ENSG0000	84464	23845
SLX4IP	6.29848	5.47568	6.22405	5.26593	5.57266	6.24182	SLX4 interacting protein [Source:HGNC Symbol;Acc:HGNC:16225]	chr20:1041	NM_00100	XM_01702	.	.	NP_00100	XP_011527	protein_co	ENSG0000	128710	16225
SMAD1	12.0503	13.9786	11.0602	11.6438	12.7068	12.3095	SMAD family member 1 [Source:HGNC Symbol;Acc:HGNC:6767]	chr4:14640	NM_00100	XM_01153	.	.	NP_00100	XP_005263	protein_co	ENSG0000	4086	6767
SMAD2	25.8598	25.1684	26.7505	24.4768	24.4576	29.0983	SMAD family member 2 [Source:HGNC Symbol;Acc:HGNC:6768]	chr18:4533	NM_00100	XM_01702	.	.	NP_00100	XP_005258	protein_co	ENSG0000	4087	6768
SMAD3	25.4727	27.6779	30.2728	13.5925	13.9064	12.8992	SMAD family member 3 [Source:HGNC Symbol;Acc:HGNC:6769]	chr15:6735	NM_00114	XM_01152	.	.	NP_00113	XP_011519	protein_co	ENSG0000	4088	6769
SMAD4	14.5283	17.0109	13.4811	13.4152	14.0203	16.0902	SMAD family member 4 [Source:HGNC Symbol;Acc:HGNC:6770]	chr18:4855	NM_00535	.	.	.	NP_00535	.	protein_co	ENSG0000	4089	6770
SMAD5	14.7106	15.5123	15.8767	14.3599	16.9486	18.3315	SMAD family member 5 [Source:HGNC Symbol;Acc:HGNC:6771]	chr5:13546	NM_00100	XM_01700	.	.	NP_00100	XP_016864	protein_co	ENSG0000	4090	6771
SMAD6	0.748627	0.525985	1.22024	0.781813	0.86467	0.965138	SMAD family member 6 [Source:HGNC Symbol;Acc:HGNC:6772]	chr15:6699	NM_00558	.	.	.	NP_00557	.	protein_co	ENSG0000	4091	6772
SMAD7	2.29518	2.26666	1.16005	4.32845	3.715	3.23849	SMAD family member 7 [Source:HGNC Symbol;Acc:HGNC:6773]	chr18:4644	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	4092	6773
SMAD9	0.453332	0.676747	0.682659	0.725391	0.968066	1.07403	SMAD family member 9 [Source:HGNC Symbol;Acc:HGNC:6774]	chr13:3741	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	4093	6774
SMAGP	27.9541	22.7596	26.0542	34.5693	30.8783	29.1013	small cell adhesion glycoprotein [Source:HGNC Symbol;Acc:HGNC	chr12:5163	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	57228	26918
SMAP1	1.36553	1.79417	1.60724	1.14092	1.20728	1.02999	small ArfGAP 1 [Source:HGNC Symbol;Acc:HGNC:19651]	chr6:71377	NM_00104	XM_01153	.	.	NP_00103	XP_011534	protein_co	ENSG0000	60682	19651
SMAP2	12.4356	12.3748	13.7889	15.0056	13.6879	13.1741	small ArfGAP2 [Source:HGNC Symbol;Acc:HGNC:25082]	chr1:40859	NM_00119	XM_01154	.	.	NP_00118	XP_011540	protein_co	ENSG0000	64744	25082
SMARCA1	13.3054	12.6418	19.782	15.0833	17.6963	18.5684	SWI/SNF related, matrix associated, actin dependent regulator of	chrX:12858	NM_00128	XM_00672	.	.	NP_00126	XP_005262	protein_co	ENSG0000	6594	11097
SMARCA2	3.62864	3.70692	2.88252	3.79191	4.60797	4.12225	SWI/SNF related, matrix associated, actin dependent regulator of	chr9:20151	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	6595	11098
SMARCA4	23.336	24.4066	22.2685	25.9609	23.7993	22.8693	SWI/SNF related, matrix associated, actin dependent regulator of	chr19:1107	NM_00112	XM_01702	.	.	NP_00112	XP_005260	protein_co	ENSG0000	6597	11100
SMARCA5	35.4665	34.5639	36.5624	39.4086	43.5943	41.4759	SWI/SNF related, matrix associated, actin dependent regulator of	chr4:14443	NM_00360	.	.	.	NP_00359	.	protein_co	ENSG0000	8467	11101
SMARCAD1	12.1545	12.0555	13.684	9.50292	12.5961	17.9782	SWI/SNF-related, matrix-associated actin-dependent regulator of	chr4:95128	NM_00112	XM_01700	.	.	NP_00112	XP_016863	protein_co	ENSG0000	56916	18398
SMARCAL1	8.08964	8.82554	7.78789	6.94743	7.00848	6.85252	SWI/SNF related, matrix associated, actin dependent regulator of	chr2:21727	NM_00112	XM_01700	.	.	NP_00112	XP_005246	protein_co	ENSG0000	50485	11102
SMARCB1	48.6298	47.4274	43.2093	58.4914	49.9666	40.0913	SWI/SNF related, matrix associated, actin dependent regulator of	chr22:2412	NM_00100	XM_01153	.	.	NP_00100	XP_011528	protein_co	ENSG0000	6598	11103
SMARCC1	39.5698	41.2703	43.6531	46.9969	47.5442	49.8006	SWI/SNF related, matrix associated, actin dependent regulator of	chr3:47626	NM_00307	XM_01153	.	.	NP_00306	XP_011532	protein_co	ENSG0000	6599	11104
SMARCC2	18.5386	18.7526	19.2152	16.5249	15.6432	18.305	SWI/SNF related, matrix associated, actin dependent regulator of	chr12:5655	NM_00113	XM_01153	.	.	NP_00112	XP_005269	protein_co	ENSG0000	6601	11105
SMARCD1	31.3629	31.4594	33.3586	39.5997	34.4643	29.5598	SWI/SNF related, matrix associated, actin dependent regulator of	chr12:5047	NM_00307	XM_00526	.	.	NP_00306	XP_005269	protein_co	ENSG0000	6602	11106
SMARCD2	114.779	115.952	115.188	136.734	120.012	101.115	SWI/SNF related, matrix associated, actin dependent regulator of	chr17:6190	NM_00109	XM_00525	.	.	NP_00109	XP_005257	protein_co	ENSG0000	6603	11107
SMARCD3	12.5812	10.7911	18.4346	15.3287	10.9784	14.8792	SWI/SNF related, matrix associated, actin dependent regulator of	chr7:15093	NM_00100	XM_01151	.	.	NP_00100	XP_011514	protein_co	ENSG0000	6604	11108
SMARCE1	75.8518	69.3783	64.0384	82.3597	81.7637	72.1555	SWI/SNF related, matrix associated, actin dependent regulator of	chr17:3878	NM_00307	.	.	.	NP_00307	.	protein_co	ENSG0000	6605	11109
SMC1A	17.5151	18.8584	16.2668	19.6069	19.4298	18.3919	structural maintenance of chromosomes 1A [Source:HGNC Symb	chrX:53401	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	8243	11111
SMC1B	0.043496	0.01645	0.040394	0.017564	0.06028	0.066559	structural maintenance of chromosomes 1B [Source:HGNC Symb	chr22:4573	NM_00129	XM_01153	.	.	NP_00127	XP_011528	protein_co	ENSG0000	27127	11112
SMC2	8.84573	8.59952	7.51158	9.59859	10.9111	8.4764	structural maintenance of chromosomes 2 [Source:HGNC Symbol	chr9:10685	NM_00104	XM_01701	.	.	NP_00103	XP_006716	protein_co	ENSG0000	10592	14011
SMC3	30.0395	27.2484	23.1959	31.6835	41.4153	46.8349	structural maintenance of chromosomes 3 [Source:HGNC Symbol	chr10:1123	NM_00544	.	.	.	NP_00543	.	protein_co	ENSG0000	9126	2468
SMC4	26.967	27.2183	28.4643	34.3266	44.2295	44.2522	structural maintenance of chromosomes 4 [Source:HGNC Symbol	chr3:15997	NM_00100	XM_01151	.	.	NP_00100	XP_006713	protein_co	ENSG0000	10051	14013
SMC5	9.36514	9.85041	10.5255	8.4234	10.3827	10.7887	structural maintenance of chromosomes 5 [Source:HGNC Symbol	chr9:72873	NM_01511	XM_00525	.	.	NP_05592	XP_005251	protein_co	ENSG0000	23137	20465
SMC6	10.4188	9.95526	11.5626	8.7953	12.55	12.9833	structural maintenance of chromosomes 6 [Source:HGNC Symbol	chr2:17845	NM_00114	XM_01153	.	.	NP_00113	XP_011531	protein_co	ENSG0000	79677	20466
SMCHD1	12.4247	12.6042	12.7931	11.3581	15.5671	13.8887	structural maintenance of chromosomes flexible hinge domain co	chr18:2655	NM_01529	XM_01152	.	.	NP_05611	XP_011523	protein_co	ENSG0000	23347	29090
SMCO1	0	0	0	0	0	0.042043	single-pass membrane protein with coiled-coil domains 1 [Source	chr3:19623	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	255798	27407
SMCO2	0.288591	0.060895	0.10156	0.194951	0.321457	0.115964	single-pass membrane protein with coiled-coil domains 2 [Source	chr12:2761	NM_00114	XM_01152	.	.	NP_00113	XP_011518	protein_co	ENSG0000	341346	34448
SMCO3	0	0	0	0	0	0	single-pass membrane protein with coiled-coil domains 3 [Source	chr12:1495	NM_00101	.	.	.	NP_00101	XP_016874	protein_co	ENSG0000	440087	34401
SMCO4	15.81	17.5307	12.9279	20.9758	14.127	15.8029	single-pass membrane protein with coiled-coil domains 4 [Source	chr11:9321	NM_02017	.	.	.	NP_06456	.	protein_co	ENSG0000	56935	24810
SMCP	0	0.097995	0.082412	0.206666	0.108363	0	sperm mitochondria associated cysteine rich protein [Source:HGN	chr1:15285	NM_03066	.	.	.	NP_10958	.	protein_co	ENSG0000	4184	6962
SMCR8	6.82257	6.88372	6.50807	6.21027	6.61449	5.15092	Smith-Magenis syndrome chromosome region, candidate 8 [Sour	chr17:1821	NM_14477	.	.	.	NP_65898	.	protein_co	ENSG0000	140775	17921
SMDT1	12.9587	12.1631	11.919	13.1195	11.1882	12.8085	single-pass membrane protein with aspartate rich tail 1 [Source:H	chr22:4247	NM_03331	XM_01153	.	.	NP_20157	XP_011528	protein_co	ENSG0000	91689	25055
SMG1	16.5598	15.9735	18.3106	11.7503	17.1814	16.044	SMG1, nonsense mediated mRNA decay associated PI3K related k	chr16:1881	NM_01509	XM_01154	.	.	NP_05590	XP_005255	protein_co	ENSG0000	23049	30045
SMG5	25.2014	26.016	27.044	25.5817	22.4111	22.5345	SMG5, nonsense mediated mRNA decay factor [Source:HGNC Syr	chr1:15621	NM_00132	XM_01150	.	.	NP_00131	.	protein_co	ENSG0000	23381	24644
SMG6	8.00766	8.69964	8.43985	8.01896	7.32962	7.64406	SMG6, nonsense mediated mRNA decay factor [Source:HGNC Syr	chr17:1958	NM_00125	XM_01152	.	.	NP_00124	XP_005256	protein_co	ENSG0000	23293	17809
SMG7	19.9603	23.0574	20.5093	20.0194	21.0071	19.2984	SMG7, nonsense mediated mRNA decay factor [Source:HGNC Syr	chr1:18344	NM_00117	XM_01700	.	.	NP_00116	XP_005245	protein_co	ENSG0000	9887	16792
SMG8	22.8802	23.2808	20.6189	26.2209	25.5888	20.4537	SMG8, nonsense mediated mRNA decay factor [Source:HGNC Syr	chr17:5723	NM_01814	.	.	.	NP_06061	.	protein_co	ENSG0000	55181	25551
SMG9	9.88653	10.8255	9.80683	10.0747	8.28412	7.36996	SMG9, nonsense mediated mRNA decay factor [Source:HGNC Syr	chr19:4423	NM_01910	XM_01152	.	.	NP_06198	XP_005259	protein_co	ENSG0000	56006	25763
SMIM1	1.23833	2.01074	2.47429	1.08937	1.21129	1.62746	small integral membrane protein 1 (Vel blood group) [Source:HGI	chr1:36893	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	388588	44204
SMIM10	0	0	0	0	0	0	small integral membrane protein 10 [Source:HGNC Symbol;Acc:H	chrX:13412	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	644538	41913
SMIM10L1	7.0665	6.69633	5.44073	7.05813	8.15464	6.41953	small integral membrane protein 10 like 1 [Source:HGNC Symbol;	chr12:1099	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	100129361	49847
SMIM10L2A	0.668314	0.786109	1.34644	0.446424	0.653966	0.978236	small integral membrane protein 10 like 2A [Source:HGNC Symbo	chrX:13455	.	.	.	.	.	.	protein_co	ENSG0000	.	34499

SMIM10L2B	0.502941	0.787071	0.874333	0.568159	0.490473	0.465114	small integral membrane protein 10 like 2B [Source:HGNC Symbo	chrX:13422	.	.	.	.	.	.	protein_co	ENSG0000(	.	34500
SMIM11A	0.092308	7.89088	0.471999	8.53147	0.373721	0.244019	small integral membrane protein 11A [Source:HGNC Symbol;Acc:	chr21:3574	NM_00131	.	.	.	NP_00130(	XP_016883	protein_co	ENSG0000(	102723553	1293
SMIM11B	22.3412	11.0504	20.3485	13.2086	16.4144	13.2207	small integral membrane protein 11B [Source:HGNC Symbol;Acc:	chr21:3574	.	XM_01702	.	.	.	XP_016883	protein_co	ENSG0000(	102723553	51846
SMIM12	27.9145	32.7323	25.3304	38.2168	32.8835	21.9108	small integral membrane protein 12 [Source:HGNC Symbol;Acc:H	chr1:35318	NM_00116	XM_01154	.	.	NP_00115	XP_00527(	protein_co	ENSG0000(	113444	25154
SMIM13	11.7743	11.1269	8.00702	10.2557	12.5341	12.9475	small integral membrane protein 13 [Source:HGNC Symbol;Acc:H	chr6:11094	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000(	221710	27356
SMIM14	6.63792	5.42551	7.1599	6.40736	4.23054	9.9292	small integral membrane protein 14 [Source:HGNC Symbol;Acc:H	chr4:39547	NM_17492	.	.	.	NP_00130	XP_016863	protein_co	ENSG0000(	201895	27321
SMIM15	44.8123	50.6343	40.7249	60.7481	60.0678	40.9949	small integral membrane protein 15 [Source:HGNC Symbol;Acc:H	chr5:60453	NM_00104	.	.	.	NP_00104	.	protein_co	ENSG0000(	643155	33861
SMIM17	0	0	0	0	0	0	small integral membrane protein 17 [Source:HGNC Symbol;Acc:H	chr19:5715	NM_00119	.	.	.	NP_00118(	.	protein_co	ENSG0000(	147670	27114
SMIM18	0	0	0	0	0	0	small integral membrane protein 18 [Source:HGNC Symbol;Acc:H	chr8:30435	NM_00120	.	.	.	NP_00119	XP_016868	protein_co	ENSG0000(	100507341	42973
SMIM19	14.2799	12.7123	14.7759	12.8051	12.9095	24.0957	small integral membrane protein 19 [Source:HGNC Symbol;Acc:H	chr8:42273	NM_00113	XM_00527	.	.	NP_00112	XP_005273	protein_co	ENSG0000(	114926	25166
SMIM2	0	0	0	0	0	0	small integral membrane protein 2 [Source:HGNC Symbol;Acc:HG	chr13:4471	NM_02405	.	.	.	NP_07696	.	protein_co	ENSG0000(	79024	28776
SMIM20	42.7456	43.0936	44.6023	47.4725	42.1703	45.1123	small integral membrane protein 20 [Source:HGNC Symbol;Acc:H	chr4:25915	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000(	389203	37260
SMIM21	0	0	0	0	0	0	small integral membrane protein 21 [Source:HGNC Symbol;Acc:H	chr18:7312	NM_00103	XM_01152	.	.	NP_00103	XP_011524	protein_co	ENSG0000(	284274	27598
SMIM22	1.41599	0.763225	0.488597	0	0.41345	0.755422	small integral membrane protein 22 [Source:HGNC Symbol;Acc:H	chr16:4827	NM_00125	XM_01152	.	.	NP_00124	XP_011520	protein_co	ENSG0000(	440335	48329
SMIM23	0	0	0	0	0	0	small integral membrane protein 23 [Source:HGNC Symbol;Acc:H	chr5:17121	NM_00128	XM_01153	.	.	NP_00127	XP_011532	protein_co	ENSG0000(	.	34440
SMIM24	0	0	0	0	0	0	small integral membrane protein 24 [Source:HGNC Symbol;Acc:H	chr19:3473	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000(	284422	37244
SMIM3	6E-06	6.7E-06	5.78E-06	7.58E-06	7.42E-06	5.88E-06	small integral membrane protein 3 [Source:HGNC Symbol;Acc:HG	chr5:15015	NM_03294	.	.	.	NP_11656	.	protein_co	ENSG0000(	85027	30248
SMIM4	35.9826	33.6005	38.8087	42.9361	26.197	26.8624	small integral membrane protein 4 [Source:HGNC Symbol;Acc:HG	chr3:52570	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000(	440957	37257
SMIM5	0.046387	0	0	0	0	0.051573	small integral membrane protein 5 [Source:HGNC Symbol;Acc:HG	chr17:7362	NM_00116	XM_01152	.	.	NP_00115	XP_011523	protein_co	ENSG0000(	643008	40030
SMIM6	0.50906	0.600428	0.352304	0.222565	0.230298	0.29314	small integral membrane protein 6 [Source:HGNC Symbol;Acc:HG	chr17:7362	NM_00116	XM_00525	.	.	NP_00115	XP_005256	protein_co	ENSG0000(	100130933	40032
SMIM7	38.33	32.1922	25.002	40.6271	34.9822	29.9907	small integral membrane protein 7 [Source:HGNC Symbol;Acc:HG	chr19:1675	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000(	79086	28419
SMIM8	5.17108	3.62868	4.15729	3.91997	4.69125	7.03588	small integral membrane protein 8 [Source:HGNC Symbol;Acc:HG	chr6:87992	NM_00104	.	NR_02678	.	NP_00103	.	protein_co	ENSG0000(	63914	21401
SMIM9	0	0	0	0	0	0	small integral membrane protein 9 [Source:HGNC Symbol;Acc:HG	chrX:15405	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000(	100129636	41915
SMKR1	5.5139	5.43033	5.47447	3.36985	3.26144	2.72844	small lysine rich protein 1 [Source:HGNC Symbol;Acc:HGNC:4356	chr7:12914	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000(	100287482	43561
SMLR1	0	0	0	0	0	0	small leucine rich protein 1 [Source:HGNC Symbol;Acc:HGNC:446	chr6:13114	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000(	100507203	44670
SMN1	12.9647	11.0749	11.9534	12.7473	14.886	11.1627	survival of motor neuron 1, telomeric [Source:HGNC Symbol;Acc:	chr5:70220	NM_00034	XM_01154	.	.	NP_00033	XP_011541	protein_co	ENSG0000(	6607	11117
SMN2	5.60546	5.97522	4.79144	5.43175	6.98216	5.77646	survival of motor neuron 2, centromeric [Source:HGNC Symbol;A	chr5:69345	NM_01741	XM_01154	.	.	NP_05910	XP_011541	protein_co	ENSG0000(	6607	11118
SMNDC1	27.72	27.8735	24.6156	31.9097	32.3681	25.8483	survival motor neuron domain containing 1 [Source:HGNC Symbo	chr10:1120	NM_00587	.	.	.	NP_00586	.	protein_co	ENSG0000(	10285	16900
SMO	8.30017	8.79912	7.14388	10.2357	8.55008	7.27132	smoothened, frizzled class receptor [Source:HGNC Symbol;Acc:H	chr7:12882	NM_00563	XM_01151	.	.	NP_00562	XP_011514	protein_co	ENSG0000(	6608	11119
SMOC1	0	0	0	0.044573	0	0	SPARC related modular calcium binding 1 [Source:HGNC Symbol;	chr14:7034	NM_00103	XM_00526	.	.	NP_00103	XP_005268	protein_co	ENSG0000(	64093	20318
SMOC2	0	0.046936	0	0	0	0	SPARC related modular calcium binding 2 [Source:HGNC Symbol;	chr6:16884	NM_00116	XM_01153	.	.	NP_00115	XP_011534	protein_co	ENSG0000(	64094	20323
SMOX	17.1178	16.6304	17.5033	19.205	17.4776	21.6193	spermine oxidase [Source:HGNC Symbol;Acc:HGNC:15862]	chr20:4129	NM_00127	XM_01152	.	.	NP_00125	XP_011527	protein_co	ENSG0000(	54498	15862
SMPD1	3.77932	3.77982	3.41364	2.90009	2.95763	2.19756	sphingomyelin phosphodiesterase 1 [Source:HGNC Symbol;Acc:H	chr11:6411	NM_00054	XM_01152	.	.	NP_00053	XP_011518	protein_co	ENSG0000(	6609	11120
SMPD2	8.77298	7.71553	7.94109	7.65549	6.47412	5.41426	sphingomyelin phosphodiesterase 2 [Source:HGNC Symbol;Acc:H	chr6:10971	NM_00308	XM_00526	.	.	NP_00307	XP_005267	protein_co	ENSG0000(	6610	11121
SMPD3	0.297878	0.25083	0.336716	0.16296	0.079015	0.547129	sphingomyelin phosphodiesterase 3 [Source:HGNC Symbol;Acc:H	chr16:6834	NM_01866	XM_01702	.	.	NP_06113	XP_005256	protein_co	ENSG0000(	55512	14240
SMPD4	38.1687	41.6343	35.3437	48.6393	42.6629	30.3954	sphingomyelin phosphodiesterase 4 [Source:HGNC Symbol;Acc:H	chr2:13090	NM_00117	XM_01151	.	.	NP_00116	XP_011509	protein_co	ENSG0000(	55627	32949
SMPDL3A	1.83389	1.77167	1.4087	1.96467	2.20875	2.55461	sphingomyelin phosphodiesterase acid like 3A [Source:HGNC Sym	chr6:12311	NM_00128	.	.	.	NP_00127	XP_005266	protein_co	ENSG0000(	10924	17389
SMPDL3B	14.3294	13.5139	13.0845	18.6292	17.557	16.8198	sphingomyelin phosphodiesterase acid like 3B [Source:HGNC Sym	chr1:28261	NM_00100	XM_01154	.	.	NP_00100	XP_011539	protein_co	ENSG0000(	27293	21416
SMPX	0.415246	0.087511	0.291394	0.093305	0.277986	0.415457	small muscle protein, X-linked [Source:HGNC Symbol;Acc:HGNC:1	chrX:21724	NM_01433	.	.	.	NP_05514	.	protein_co	ENSG0000(	23676	11122
SMR3A	0	0	0	0	0	0	submaxillary gland androgen regulated protein 3A [Source:HGNC	chr4:71226	NM_01239	.	.	.	NP_03652	XP_016863	protein_co	ENSG0000(	26952	19216
SMR3B	0	0	0	0	0	0	submaxillary gland androgen regulated protein 3B [Source:HGNC	chr4:71235	NM_00668	.	.	.	NP_00667	.	protein_co	ENSG0000(	10879	17326
SMS	119.762	116.001	107.753	139.969	134.022	118.285	spermine synthase [Source:HGNC Symbol;Acc:HGNC:11123]	chrX:21958	NM_00125	XM_01154	.	.	NP_00124	XP_005274	protein_co	ENSG0000(	6611	11123
SMTN	23.2049	24.3975	24.0037	6.55315	6.19848	4.5969	smoothelin [Source:HGNC Symbol;Acc:HGNC:11126]	chr22:3147	NM_00120	XM_01702	.	.	NP_00119	XP_006724	protein_co	ENSG0000(	6525	11126
SMTNL1	0	0	0	0	0	0	smoothelin like 1 [Source:HGNC Symbol;Acc:HGNC:32394]	chr11:5731	NM_00110	XM_00527	.	.	NP_00109	XP_005273	protein_co	ENSG0000(	219537	32394
SMTNL2	1.69959	1.82729	3.5456	2.22729	2.17308	2.45867	smoothelin like 2 [Source:HGNC Symbol;Acc:HGNC:24764]	chr17:4487	NM_00111	XM_00672	.	.	NP_00110	XP_005256	protein_co	ENSG0000(	342527	24764
SMU1	21.0354	21.012	18.6523	19.4857	21.9538	20.7918	DNA replication regulator and spliceosomal factor [Source:HGNC	chr9:33041	NM_01822	XM_00525	.	.	NP_06069	XP_005251	protein_co	ENSG0000(	55234	18247
SMUG1	26.5387	27.7921	26.4447	31.7555	22.7466	19.5479	single-strand-selective monofunctional uracil-DNA glycosylase 1 [	chr12:5457	NM_00124	XM_01701	.	.	NP_00123	XP_006719	protein_co	ENSG0000(	23583	17148
SMURF1	11.6113	12.2693	11.3194	12.3137	12.0715	11.4704	SMAD specific E3 ubiquitin protein ligase 1 [Source:HGNC Symbo	chr7:98625	NM_00119	XM_01701	.	.	NP_00118	XP_016867	protein_co	ENSG0000(	57154	16807
SMURF2	47.2526	43.2865	56.4285	50.5405	61.7362	101.882	SMAD specific E3 ubiquitin protein ligase 2 [Source:HGNC Symbo	chr17:6254	NM_02273	XM_01152	.	.	NP_07357	XP_005257	protein_co	ENSG0000(	64750	16809
SMYD1	0	0.035367	0	0	0.038283	0	SET and MYND domain containing 1 [Source:HGNC Symbol;Acc:H	chr2:88367	NM_19827	XM_00526	.	.	NP_93801	XP_005264	protein_co	ENSG0000(	150572	20986
SMYD2	13.9824	13.538	12.6656	16.8049	14.7109	14.684	SET and MYND domain containing 2 [Source:HGNC Symbol;Acc:H	chr1:21445	NM_02019	.	.	.	NP_06458	.	protein_co	ENSG0000(	56950	20982
SMYD3	10.2834	8.76393	15.8304	11.3333	11.1618	14.0562	SET and MYND domain containing 3 [Source:HGNC Symbol;Acc:H	chr1:24591	NM_00116	XM_01154	.	.	NP_00116	XP_011542	protein_co	ENSG0000(	64754	15513
SMYD4	5.41286	6.20682	5.26837	4.7933	4.70867	4.08812	SET and MYND domain containing 4 [Source:HGNC Symbol;Acc:H	chr17:1682	NM_05292	.	.	.	NP_44316	.	protein_co	ENSG0000(	114826	21067
SMYD5	22.0645	20.5525	19.839	23.7954	20.1775	14.8833	SMYD family member 5 [Source:HGNC Symbol;Acc:HGNC:16258]	chr2:73441	NM_00606	XM_00671	.	.	NP_00605	XP_006711	protein_co	ENSG0000(	10322	16258
SNAI1	6.84769	7.03789	7.59603	13.276	9.70223	9.63932	snail family transcriptional repressor 1 [Source:HGNC Symbol;Acc	chr20:4859	NM_00598	.	.	.	NP_00597	.	protein_co	ENSG0000(	6615	11128
SNAI2	0.399807	0.328464	0.192105	0.200301	0.29821	0.311261	snail family transcriptional repressor 2 [Source:HGNC Symbol;Acc	chr8:49830	NM_00306	.	.	.	NP_00305	.	protein_co	ENSG0000(	6591	11094
SNAI3	1.39126	1.80152	3.51648	2.45299	2.38135	2.1616	snail family transcriptional repressor 3 [Source:HGNC Symbol;Acc	chr16:8874	NM_17831	.	.	.	NP_84010	.	protein_co	ENSG0000(	333929	18411
SNAP23	17.0285	16.624	16.5111	17.6407	14.737	14.9031	synaptosome associated protein 23 [Source:HGNC Symbol;Acc:H	chr15:4278	NM_00382	XM_01152	.	.	NP_00381	XP_006720	protein_co	ENSG0000(	8773	11131
SNAP25	0.074982	0.117965	0.162468	0.377257	0.37946	0.340328	synaptosome associated protein 25 [Source:HGNC Symbol;Acc:H	chr20:1019	NM_00308	XM_01702	.	.	NP_00130	XP_005260	protein_co	ENSG0000(	6616	11132

SNAP29	11.3604	11.6673	11.3704	9.67241	8.97847	10.2058	synaptosome associated protein 29 [Source:HGNC Symbol;Acc:H	chr22:2121	NM_00478	.	.	.	NP_00477	.	protein_co	ENSG0000	9342	11133
SNAP47	16.528	17.7788	18.0374	19.6788	16.5654	15.4098	synaptosome associated protein 47 [Source:HGNC Symbol;Acc:H	chr1:22791	NM_05305	XM_00527	.	.	NP_00131	XP_005273	protein_co	ENSG0000	116841	30669
SNAP91	0	0	0	0	0	0	synaptosome associated protein 91 [Source:HGNC Symbol;Acc:H	chr6:84262	NM_00124	XM_01701	.	.	NP_00122	XP_005248	protein_co	ENSG0000	9892	14986
SNAPC1	8.83218	7.2866	8.76859	9.37404	9.85003	11.8481	small nuclear RNA activating complex polypeptide 1 [Source:HGN	chr14:6222	NM_00308	.	.	.	NP_00307	.	protein_co	ENSG0000	6617	11134
SNAPC2	24.447	27.9785	26.1405	24.9281	19.8319	19.9688	small nuclear RNA activating complex polypeptide 2 [Source:HGN	chr19:7985	NM_00308	.	.	.	NP_00307	.	protein_co	ENSG0000	6618	11135
SNAPC3	9.27592	9.40178	10.1939	9.81851	11.5246	12.9658	small nuclear RNA activating complex polypeptide 3 [Source:HGN	chr9:15422	NM_00103	.	.	.	NP_00103	XP_01687	protein_co	ENSG0000	6619	11136
SNAPC4	9.29842	8.89821	10.6679	9.19633	8.62335	6.34789	small nuclear RNA activating complex polypeptide 4 [Source:HGN	chr9:13927	NM_00308	XM_01151	.	.	NP_00307	XP_00526	protein_co	ENSG0000	6621	11137
SNAPC5	25.8896	25.8452	24.1199	27.2422	29.472	25.712	small nuclear RNA activating complex polypeptide 5 [Source:HGN	chr15:6667	NM_00604	.	.	.	NP_00131	.	protein_co	ENSG0000	10302	15484
SNAPIN	37.12	38.5055	36.7696	45.707	36.487	36.8888	SNAP associated protein [Source:HGNC Symbol;Acc:HGNC:17145]	chr1:15363	NM_01243	.	NR_05201	.	NP_03656	.	protein_co	ENSG0000	23557	17145
SNCA	1.0156	1.8147	0.868561	2.28718	1.89765	1.96764	synuclein alpha [Source:HGNC Symbol;Acc:HGNC:11138]	chr4:90645	NM_00034	XM_01153	.	.	NP_00033	XP_01153	protein_co	ENSG0000	6622	11138
SNCAIP	0.039053	0.054161	0.045423	0.057861	0	0.026836	synuclein alpha interacting protein [Source:HGNC Symbol;Acc:HG	chr5:12164	NM_00124	XM_01701	.	.	NP_00122	XP_005272	protein_co	ENSG0000	9627	11139
SNCB	0	0	0.063644	0.076849	0	0.109612	synuclein beta [Source:HGNC Symbol;Acc:HGNC:11140]	chr5:17604	NM_00100	XM_00671	.	.	NP_00100	XP_006714	protein_co	ENSG0000	6620	11140
SNCG	21.0081	16.0638	26.6994	13.2174	9.77643	15.7028	synuclein gamma [Source:HGNC Symbol;Acc:HGNC:11141]	chr10:8871	NM_00308	XM_01154	.	.	NP_00307	XP_011538	protein_co	ENSG0000	6623	11141
SND1	51.0482	53.017	56.2354	51.0921	43.8147	48.0658	staphylococcal nuclease and tudor domain containing 1 [Source:H	chr7:12729	NM_01439	.	.	.	NP_05520	.	protein_co	ENSG0000	27044	30646
SNED1	0.86663	0.89994	1.49972	0.911162	1.01517	1.04115	sushi, nidogen and EGF like domains 1 [Source:HGNC Symbol;Acc	chr2:24193	NM_00108	XM_01151	.	.	NP_00107	XP_011509	protein_co	ENSG0000	25992	24696
SNF8	71.0092	71.0672	65.3166	86.5997	69.724	61.809	SNF8, ESCRT-II complex subunit [Source:HGNC Symbol;Acc:HGNC	chr17:4700	NM_00724	.	.	.	NP_00130	.	protein_co	ENSG0000	11267	17028
SNIP1	7.65994	7.6576	7.84601	6.60302	7.6058	7.02301	Smad nuclear interacting protein 1 [Source:HGNC Symbol;Acc:HG	chr1:38000	NM_02470	.	.	.	NP_07897	.	protein_co	ENSG0000	79753	30587
SNN	17.2575	16.3475	16.6909	18.8145	20.2266	17.5707	stannin [Source:HGNC Symbol;Acc:HGNC:11149]	chr16:1176	NM_00349	XM_01702	.	.	NP_00348	XP_016879	protein_co	ENSG0000	8303	11149
SNPH	2.80917	2.8918	3.06551	2.3425	1.77906	2.35043	syntaphilin [Source:HGNC Symbol;Acc:HGNC:15931]	chr20:1206	NM_00131	XM_01152	.	.	NP_00130	XP_00526	protein_co	ENSG0000	9751	15931
SNRK	4.97077	6.23224	5.23165	4.96473	6.4847	6.77337	SNF related kinase [Source:HGNC Symbol;Acc:HGNC:30598]	chr3:43328	NM_00110	XM_01153	.	.	NP_00109	XP_005265	protein_co	ENSG0000	54861	30598
SNRNP200	67.8391	72.0057	71.8365	69.1158	67.6553	59.3483	small nuclear ribonucleoprotein U5 subunit 200 [Source:HGNC Sy	chr2:96940	NM_01401	.	.	.	NP_05473	XP_016859	protein_co	ENSG0000	23020	30859
SNRNP25	21.2743	20.603	22.227	29.9453	21.5052	16.0506	small nuclear ribonucleoprotein U11/U12 subunit 25 [Source:HG	chr16:1038	NM_02457	.	.	.	NP_07884	.	protein_co	ENSG0000	79622	14161
SNRNP27	20.8473	19.4012	15.3107	20.2741	19.815	19.4477	small nuclear ribonucleoprotein U4/U6.U5 subunit 27 [Source:HG	chr2:70120	NM_00685	.	.	.	NP_00684	.	protein_co	ENSG0000	11017	30240
SNRNP35	9.57091	9.16933	10.069	8.96651	11.823	9.24842	small nuclear ribonucleoprotein U11/U12 subunit 35 [Source:HG	chr12:1239	NM_02271	XM_00671	.	.	NP_07320	XP_006719	protein_co	ENSG0000	11066	30852
SNRNP40	61.2724	61.2077	53.1097	84.4565	66.4748	54.4684	small nuclear ribonucleoprotein U5 subunit 40 [Source:HGNC Syn	chr1:31732	NM_00481	.	.	.	NP_00480	.	protein_co	ENSG0000	9410	30857
SNRNP48	11.0541	11.1695	12.5081	12.2905	13.8834	13.4573	small nuclear ribonucleoprotein U11/U12 subunit 48 [Source:HG	chr6:75904	NM_15255	XM_01151	.	.	NP_68976	XP_011512	protein_co	ENSG0000	154007	21368
SNRNP70	124.045	126.189	120.123	162.187	132.202	132.72	small nuclear ribonucleoprotein U1 subunit 70 [Source:HGNC Syn	chr19:4958	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	6625	11150
SNRPA	74.209	67.7981	63.0574	85.4672	72.1128	72.1695	small nuclear ribonucleoprotein polypeptide A [Source:HGNC Syn	chr19:4125	NM_00459	.	.	.	NP_00458	.	protein_co	ENSG0000	6626	11151
SNRPA1	54.5431	55.3249	50.4913	59.5643	55.7092	62.1579	small nuclear ribonucleoprotein polypeptide A' [Source:HGNC Sy	chr15:1018	NM_00309	.	.	.	NP_00308	.	protein_co	ENSG0000	6627	11152
SNRPB	368.481	361.068	265.996	497.801	404.245	340.766	small nuclear ribonucleoprotein polypeptides B and B1 [Source:H	chr20:2442	NM_00309	.	.	.	NP_00308	.	protein_co	ENSG0000	6628	11153
SNRPB2	49.5763	48.0746	44.793	58.2205	62.7829	51.9936	small nuclear ribonucleoprotein polypeptide B2 [Source:HGNC Sy	chr20:1671	NM_00309	.	.	.	NP_00308	.	protein_co	ENSG0000	6629	11155
SNRPC	201.95	186.419	151.679	243.909	205.089	175.055	small nuclear ribonucleoprotein polypeptide C [Source:HGNC Syn	chr6:34725	NM_00309	.	.	.	NP_00308	.	protein_co	ENSG0000	6631	11157
SNRPD1	191.001	185.624	151.966	221.374	184.839	175.115	small nuclear ribonucleoprotein D1 polypeptide [Source:HGNC Sy	chr18:1919	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	6632	11158
SNRPD2	471.924	436.871	467.519	608.029	476.082	470.737	small nuclear ribonucleoprotein D2 polypeptide [Source:HGNC Sy	chr19:4619	NM_00459	XM_00525	.	.	NP_00458	XP_005259	protein_co	ENSG0000	6633	11159
SNRPD3	179.704	161.221	141.302	184.809	169.48	160.488	small nuclear ribonucleoprotein D3 polypeptide [Source:HGNC Sy	chr22:2493	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	6634	11160
SNRPE	98.3509	84.0999	105.527	99.4041	135.73	140.038	small nuclear ribonucleoprotein polypeptide E [Source:HGNC Syn	chr1:20383	NM_00309	.	.	.	NP_00308	.	protein_co	ENSG0000	6635	11161
SNRPF	109.918	104.947	90.091	132.735	102.57	86.799	small nuclear ribonucleoprotein polypeptide F [Source:HGNC Syn	chr12:9625	NM_00309	.	.	.	NP_00308	.	protein_co	ENSG0000	6636	11162
SNRPG	169.602	165.987	138.223	270.346	203.892	165.877	small nuclear ribonucleoprotein polypeptide G [Source:HGNC Syn	chr2:70508	NM_00131	.	.	.	NP_00130	XP_01686	protein_co	ENSG0000	6637	11163
SNRPN	0.062101	0	0	0	0	0	small nuclear ribonucleoprotein polypeptide N [Source:HGNC Syn	chr15:2506	NM_00309	.	.	.	NP_00308	.	protein_co	ENSG0000	6638	11164
SNTA1	8.94411	7.98789	11.5025	9.72886	7.36523	9.03275	syntrophin alpha 1 [Source:HGNC Symbol;Acc:HGNC:11167]	chr20:3199	NM_00309	XM_01152	.	.	NP_00308	XP_00526	protein_co	ENSG0000	6640	11167
SNTB1	2.20777	2.01356	3.15275	1.66265	1.13853	1.53234	syntrophin beta 1 [Source:HGNC Symbol;Acc:HGNC:11168]	chr8:12154	NM_02102	.	.	.	NP_06630	.	protein_co	ENSG0000	6641	11168
SNTB2	7.36355	6.77163	8.76747	7.48222	8.55648	9.63909	syntrophin beta 2 [Source:HGNC Symbol;Acc:HGNC:11169]	chr16:6922	NM_00675	.	.	.	NP_00674	.	protein_co	ENSG0000	6645	11169
SNTG1	0	0	0	0	0	0	syntrophin gamma 1 [Source:HGNC Symbol;Acc:HGNC:13740]	chr8:50822	NM_00128	XM_01151	.	.	NP_00127	XP_011515	protein_co	ENSG0000	54212	13740
SNTG2	0.051795	0.120974	0	0.654579	0.411266	0.502685	syntrophin gamma 2 [Source:HGNC Symbol;Acc:HGNC:13741]	chr2:94655	NM_01896	XM_01151	.	.	NP_06184	XP_016859	protein_co	ENSG0000	54221	13741
SNTN	0	0	0	0	0	0	sentan, cilia apical structure protein [Source:HGNC Symbol;Acc:H	chr3:63638	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	132203	33706
SNU13	192.79	193.271	177.496	219.161	179.643	152.212	SNU13 homolog, small nuclear ribonucleoprotein (U4/U6.U5) [So	chr22:4206	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	4809	7819
SNUPN	19.1124	21.0363	16.742	21.4572	16.959	16.7518	snurportin 1 [Source:HGNC Symbol;Acc:HGNC:14245]	chr15:7589	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	10073	14245
SNURF	0	0	0	0	0	0	SNRPN upstream reading frame [Source:HGNC Symbol;Acc:HGNC	chr15:2506	NM_00567	.	.	.	NP_00566	.	protein_co	ENSG0000	8926	11171
SNW1	47.334	43.637	41.9719	45.1477	42.2401	45.198	SNW domain containing 1 [Source:HGNC Symbol;Acc:HGNC:1669	chr14:7817	NM_01224	XM_00526	.	.	NP_00130	XP_005267	protein_co	ENSG0000	22938	16696
SNX1	36.2271	35.5102	35.5371	30.0484	27.2381	28.6806	sorting nexin 1 [Source:HGNC Symbol;Acc:HGNC:11172]	chr15:6438	NM_00124	XM_00525	.	.	NP_00122	XP_005254	protein_co	ENSG0000	6642	11172
SNX10	17.669	19.6854	19.4731	19.1913	18.7881	22.8083	sorting nexin 10 [Source:HGNC Symbol;Acc:HGNC:14974]	chr7:26331	NM_00119	XM_00671	.	.	NP_00118	XP_006715	protein_co	ENSG0000	29887	14974
SNX11	16.3155	17.4653	17.0858	20.0434	17.5507	18.9854	sorting nexin 11 [Source:HGNC Symbol;Acc:HGNC:14975]	chr17:4618	NM_01332	XM_01152	.	.	NP_03745	XP_005257	protein_co	ENSG0000	29916	14975
SNX12	22.1591	23.019	22.6667	25.4713	23.7276	22.5513	sorting nexin 12 [Source:HGNC Symbol;Acc:HGNC:14976]	chrX:70276	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	29934	14976
SNX13	6.16967	6.20343	7.16277	4.62942	7.6909	9.05249	sorting nexin 13 [Source:HGNC Symbol;Acc:HGNC:21335]	chr7:17830	NM_01513	XM_01701	.	.	NP_05594	XP_005249	protein_co	ENSG0000	23161	21335
SNX14	16.5792	14.4168	22.7963	14.6046	24.419	27.4125	sorting nexin 14 [Source:HGNC Symbol;Acc:HGNC:14977]	chr6:86215	NM_00129	XM_01701	.	.	NP_00128	XP_005248	protein_co	ENSG0000	57231	14977
SNX15	7.12865	6.39535	6.39593	6.54004	5.64037	4.88948	sorting nexin 15 [Source:HGNC Symbol;Acc:HGNC:14978]	chr11:6479	NM_01330	.	.	.	NP_03743	.	protein_co	ENSG0000	29907	14978
SNX16	3.33752	2.52065	3.59892	3.4139	3.61408	5.313	sorting nexin 16 [Source:HGNC Symbol;Acc:HGNC:14980]	chr8:82711	NM_02213	XM_01151	.	.	NP_07141	XP_005251	protein_co	ENSG0000	64089	14980
SNX17	69.1005	69.8812	61.3811	65.1357	54.9199	51.2105	sorting nexin 17 [Source:HGNC Symbol;Acc:HGNC:14979]	chr2:27593	NM_00126	XM_01153	.	.	NP_00125	XP_011531	protein_co	ENSG0000	9784	14979
SNX18	6.75549	8.18285	5.82272	8.23648	8.42954	8.38867	sorting nexin 18 [Source:HGNC Symbol;Acc:HGNC:19245]	chr5:53813	NM_00110	.	.	.	NP_00109	XP_016864	protein_co	ENSG0000	112574	19245

SNX19	10.3703	10.9973	10.2126	9.09839	9.28283	9.28576	sorting nexin 19 [Source:HGNC Symbol;Acc:HGNC:21532]	chr11:1307	NM_00130	XM_01154	.	.	NP_00128	XP_005271	protein_co	ENSG0000	399979	21532
SNX2	26.2268	23.9507	26.2334	27.7041	27.9714	28.3728	sorting nexin 2 [Source:HGNC Symbol;Acc:HGNC:11173]	chr5:12211	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	6643	11173
SNX20	0	0	0	0	0	0	sorting nexin 20 [Source:HGNC Symbol;Acc:HGNC:30390]	chr16:5070	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	124460	30390
SNX21	9.02483	8.64135	7.54123	9.84754	6.49143	6.98283	sorting nexin family member 21 [Source:HGNC Symbol;Acc:HGNC	chr20:4446	NM_00104	XM_01152	.	.	NP_00103	XP_011527	protein_co	ENSG0000	90203	16154
SNX22	2.93248	2.82447	2.5628	2.1494	2.2088	1.96059	sorting nexin 22 [Source:HGNC Symbol;Acc:HGNC:16315]	chr15:6444	NM_02479	XM_01702	.	.	NP_07907	XP_016878	protein_co	ENSG0000	79856	16315
SNX24	6.9334	7.3916	8.21161	5.79894	6.44234	11.7943	sorting nexin 24 [Source:HGNC Symbol;Acc:HGNC:21533]	chr5:12218	NM_01403	XM_01154	.	.	NP_05475	XP_005272	protein_co	ENSG0000	28966	21533
SNX25	6.8757	7.30515	7.25991	8.70967	9.29374	12.0441	sorting nexin 25 [Source:HGNC Symbol;Acc:HGNC:21883]	chr4:18612	NM_00131	XM_01153	.	.	NP_00130	XP_005263	protein_co	ENSG0000	83891	21883
SNX27	13.2452	13.4048	13.7431	13.9452	16.0612	14.3996	sorting nexin family member 27 [Source:HGNC Symbol;Acc:HGNC	chr1:15158	NM_03091	XM_01700	.	.	NP_11218	XP_005245	protein_co	ENSG0000	81609	20073
SNX29	1.46015	1.53288	2.02114	1.79294	1.6847	1.71773	sorting nexin 29 [Source:HGNC Symbol;Acc:HGNC:30542]	chr16:1207	NM_03216	XM_01152	.	.	NP_11554	XP_005255	protein_co	ENSG0000	92017	30542
SNX3	66.2024	61.1391	72.1616	72.865	82.0938	90.5262	sorting nexin 3 [Source:HGNC Symbol;Acc:HGNC:11174]	chr6:10853	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	8724	11174
SNX30	6.18614	5.73959	9.44851	5.48758	6.14417	8.23883	sorting nexin family member 30 [Source:HGNC Symbol;Acc:HGNC	chr9:11551	NM_00101	.	.	.	NP_00101	XP_011516	protein_co	ENSG0000	401548	23685
SNX31	0.032977	0.061654	0.028388	0.037046	0.064922	0	sorting nexin 31 [Source:HGNC Symbol;Acc:HGNC:28605]	chr8:10158	NM_15262	XM_01701	.	.	NP_68984	XP_005250	protein_co	ENSG0000	169166	28605
SNX32	0	0	0.033013	0	0	0	sorting nexin 32 [Source:HGNC Symbol;Acc:HGNC:26423]	chr11:6560	NM_15276	XM_01701	.	.	NP_68997	XP_006718	protein_co	ENSG0000	254122	26423
SNX33	3.32328	3.36306	3.29071	2.88292	2.87773	2.58816	sorting nexin 33 [Source:HGNC Symbol;Acc:HGNC:28468]	chr15:7593	NM_15327	.	.	.	NP_69500	.	protein_co	ENSG0000	257364	28468
SNX4	9.341	9.27262	7.95648	9.35948	8.68285	10.9134	sorting nexin 4 [Source:HGNC Symbol;Acc:HGNC:11175]	chr3:12516	NM_00379	.	.	.	NP_00378	.	protein_co	ENSG0000	8723	11175
SNX5	74.1795	70.5302	71.1684	77.4024	77.8145	76.3704	sorting nexin 5 [Source:HGNC Symbol;Acc:HGNC:14969]	chr20:1792	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	27131	14969
SNX6	29.3653	30.4668	37.0894	33.8749	37.2399	44.1067	sorting nexin 6 [Source:HGNC Symbol;Acc:HGNC:14970]	chr14:3503	NM_02124	XM_00672	.	.	NP_06707	XP_006720	protein_co	ENSG0000	58533	14970
SNX7	13.2087	12.6075	14.0836	12.4347	12.4942	15.3337	sorting nexin 7 [Source:HGNC Symbol;Acc:HGNC:14971]	chr1:99127	NM_01597	XM_01154	.	.	NP_05706	XP_006710	protein_co	ENSG0000	51375	14971
SNX8	10.0177	8.64676	8.16171	10.6737	9.47172	7.75051	sorting nexin 8 [Source:HGNC Symbol;Acc:HGNC:14972]	chr7:22914	NM_01332	XM_01701	NR_10689	.	NP_03745	XP_011513	protein_co	ENSG0000	102465503	14972
SNX9	22.1325	23.4116	19.6398	23.9241	22.3284	23.4488	sorting nexin 9 [Source:HGNC Symbol;Acc:HGNC:14973]	chr6:15824	NM_01622	XM_00526	.	.	NP_05730	XP_005267	protein_co	ENSG0000	51429	14973
SOAT1	8.35481	8.48403	9.00184	8.4811	10.4816	10.9049	sterol O-acyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:1117	chr1:17926	NM_00125	XM_01150	.	.	NP_00123	XP_011508	protein_co	ENSG0000	6646	11177
SOAT2	0	0.038965	0.066898	0.041979	0.045333	0	sterol O-acyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:1117	chr12:5349	NM_00357	XM_01153	.	.	NP_00356	XP_011537	protein_co	ENSG0000	8435	11178
SOBP	1.2006	1.05175	1.61144	0.735499	1.13563	0.89588	sine oculis binding protein homolog [Source:HGNC Symbol;Acc:H	chr6:10781	NM_01801	XM_01153	.	.	NP_06048	XP_005267	protein_co	ENSG0000	55084	29256
SOCS1	2.54752	3.81881	4.26121	4.82619	5.04023	3.49099	suppressor of cytokine signaling 1 [Source:HGNC Symbol;Acc:HGN	chr16:1134	NM_00374	.	.	.	NP_00373	.	protein_co	ENSG0000	8651	19383
SOCS2	11.034	9.4865	9.91088	10.2028	12.4131	11.8315	suppressor of cytokine signaling 2 [Source:HGNC Symbol;Acc:HGN	chr12:9396	NM_00127	.	.	.	NP_00125	XP_011537	protein_co	ENSG0000	8835	19382
SOCS3	10.0561	9.60948	9.47992	10.1382	9.46717	8.43249	suppressor of cytokine signaling 3 [Source:HGNC Symbol;Acc:HGN	chr17:7635	NM_00395	.	.	.	NP_00394	.	protein_co	ENSG0000	9021	19391
SOCS4	10.5752	10.9539	11.2064	9.08152	11.7772	12.0958	suppressor of cytokine signaling 4 [Source:HGNC Symbol;Acc:HGN	chr14:5549	NM_08086	XM_01153	.	.	NP_54314	XP_011534	protein_co	ENSG0000	122809	19392
SOCS5	7.81875	8.48563	8.08983	9.7529	9.64428	10.033	suppressor of cytokine signaling 5 [Source:HGNC Symbol;Acc:HGN	chr2:46926	NM_01401	.	.	.	NP_05473	.	protein_co	ENSG0000	9655	16852
SOCS6	16.4855	16.2978	13.6396	19.1867	18.6397	15.2033	suppressor of cytokine signaling 6 [Source:HGNC Symbol;Acc:HGN	chr18:6795	NM_00423	XM_01702	.	.	NP_00422	XP_005266	protein_co	ENSG0000	9306	16833
SOCS7	12.8854	12.5589	14.2391	11.1859	12.0872	17.2619	suppressor of cytokine signaling 7 [Source:HGNC Symbol;Acc:HGN	chr17:3650	NM_01459	.	.	.	NP_05541	.	protein_co	ENSG0000	30837	29846
SOD1	414.408	401.139	371.319	513.759	419.824	414.341	superoxide dismutase 1, soluble [Source:HGNC Symbol;Acc:HGNC	chr21:3303	NM_00045	.	.	.	NP_00044	.	protein_co	ENSG0000	6647	11179
SOD2	49.4695	44.4568	53.072	41.8662	39.8338	36.6886	superoxide dismutase 2, mitochondrial [Source:HGNC Symbol;Ac	chr6:16009	NM_00063	.	NR_03716	.	NP_00062	.	protein_co	ENSG0000	100129518	11180
SOD3	0	0	0	0	0	0	superoxide dismutase 3, extracellular [Source:HGNC Symbol;Acc:	chr4:24797	NM_00310	.	.	.	NP_00309	.	protein_co	ENSG0000	6649	11181
SOGA1	6.25809	6.73562	6.9802	8.05863	8.65563	7.11997	suppressor of glucose, autophagy associated 1 [Source:HGNC Syn	chr20:3540	NM_08062	.	.	.	NP_54219	.	protein_co	ENSG0000	140710	16111
SOGA3	0.23672	0.190975	0.298052	0.116914	0.149417	0.23354	SOGA family member 3 [Source:HGNC Symbol;Acc:HGNC:21494]	chr6:12779	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	387104	21494
SOHLH1	0	0	0	0	0	0	spermatogenesis and oogenesis specific basic helix-loop-helix 1 [S	chr9:13858	NM_00101	XM_01151	.	.	NP_00101	XP_005263	protein_co	ENSG0000	402381	27845
SOHLH2	0.065186	0	0.000759	0	0	0	spermatogenesis and oogenesis specific basic helix-loop-helix 2 [S	chr13:3674	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	54937	26026
SON	61.3696	63.4036	59.9191	61.2211	70.4912	63.9165	SON DNA binding protein [Source:HGNC Symbol;Acc:HGNC:1118	chr21:3487	NM_00129	.	NR_10675	.	NP_00127	.	protein_co	ENSG0000	102465248	11183
SORBS1	1.54492	1.55744	2.29356	1.19382	1.35173	1.68709	sorbin and SH3 domain containing 1 [Source:HGNC Symbol;Acc:H	chr10:9707	NM_00103	XM_01701	.	.	NP_00103	XP_006717	protein_co	ENSG0000	10580	14565
SORBS2	0	0	0	0	0	0.051092	sorbin and SH3 domain containing 2 [Source:HGNC Symbol;Acc:H	chr4:18650	NM_00114	XM_01153	.	.	NP_00113	XP_005263	protein_co	ENSG0000	8470	24098
SORBS3	33.85	30.577	25.8929	37.7683	29.9728	23.3666	sorbin and SH3 domain containing 3 [Source:HGNC Symbol;Acc:H	chr8:22409	NM_00101	XM_00671	.	.	NP_00101	XP_005273	protein_co	ENSG0000	10174	30907
SORCS1	0	0	0.00904	0	0	0	sortilin related VPS10 domain containing receptor 1 [Source:HGN	chr10:1083	NM_00101	XM_01153	.	.	NP_00101	XP_011537	protein_co	ENSG0000	114815	16697
SORCS2	0.103644	0.089783	0.224961	0.167	0.144585	0.095926	sortilin related VPS10 domain containing receptor 2 [Source:HGN	chr4:71942	NM_02077	XM_01151	.	.	NP_06582	XP_005248	protein_co	ENSG0000	57537	16698
SORCS3	0	0	0	0	0	0	sortilin related VPS10 domain containing receptor 3 [Source:HGN	chr10:1064	NM_01497	.	.	.	NP_05579	.	protein_co	ENSG0000	22986	16699
SORD	57.3222	56.8838	63.3673	81.558	71.9246	66.9178	sorbitol dehydrogenase [Source:HGNC Symbol;Acc:HGNC:11184]	chr15:4531	NM_00310	.	.	.	NP_00309	.	protein_co	ENSG0000	6652	11184
SORL1	5.83005	5.9854	6.95694	5.94147	6.39786	6.77334	sortilin related receptor 1 [Source:HGNC Symbol;Acc:HGNC:1118	chr11:1213	NM_00310	XM_01701	.	.	NP_00309	XP_011541	protein_co	ENSG0000	6653	11185
SORT1	6.46117	6.99829	10.1511	12.5791	13.3873	14.2257	sortilin 1 [Source:HGNC Symbol;Acc:HGNC:11186]	chr1:10985	NM_00120	XM_00671	.	.	NP_00119	XP_005271	protein_co	ENSG0000	6272	11186
SOS1	5.87696	6.43537	6.38275	5.20252	6.48493	7.48343	SOS Ras/Rac guanine nucleotide exchange factor 1 [Source:HGNC	chr2:39208	NM_00563	XM_01153	.	.	NP_00562	XP_005264	protein_co	ENSG0000	6654	11187
SOS2	3.31826	3.29888	4.20186	2.94021	3.45464	5.50057	SOS Ras/Rho guanine nucleotide exchange factor 2 [Source:HGNC	chr14:5058	NM_00693	XM_01153	.	.	NP_00887	.	protein_co	ENSG0000	6655	11188
SOST	0	0	0	0	0	0	sclerostin [Source:HGNC Symbol;Acc:HGNC:13771]	chr17:4183	NM_02523	.	.	.	NP_07951	.	protein_co	ENSG0000	50964	13771
SOSTDC1	0	0	0	0.057599	0	0.051058	sclerostin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:	chr7:16501	NM_01546	XM_01701	.	.	NP_05627	XP_016867	protein_co	ENSG0000	25928	21748
SOWAHA	0.223266	0.566707	0.823187	0.494587	0.592128	0.500205	sosondowah ankyrin repeat domain family member A [Source:HG	chr5:13214	NM_17587	.	.	.	NP_78706	.	protein_co	ENSG0000	134548	27033
SOWAHB	1.21345	1.41349	1.66065	0.933643	1.48018	1.27928	sosondowah ankyrin repeat domain family member B [Source:HG	chr4:77816	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	345079	32958
SOWAHC	5.68365	6.59002	6.03323	7.06625	6.17844	9.63919	sosondowah ankyrin repeat domain family member C [Source:HG	chr2:11037	NM_02301	.	.	.	NP_07539	.	protein_co	ENSG0000	65124	26149
SOWAHD	0.751829	0.912949	1.34326	1.23048	0.895427	0.855002	sosondowah ankyrin repeat domain family member D [Source:HG	chrX:11889	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	347454	32960
SOX1	0	0	0	0	0	0	SRY-box 1 [Source:HGNC Symbol;Acc:HGNC:11189]	chr13:1127	NM_00598	.	.	.	NP_00597	.	protein_co	ENSG0000	6656	11189
SOX10	0	0	0	0	0	0	SRY-box 10 [Source:HGNC Symbol;Acc:HGNC:11190]	chr22:3833	NM_00694	.	.	.	NP_00887	.	protein_co	ENSG0000	6663	11190
SOX11	0	0	0	0	0	0	SRY-box 11 [Source:HGNC Symbol;Acc:HGNC:11191]	chr2:58327	NM_00310	.	.	.	NP_00309	.	protein_co	ENSG0000	6664	11191
SOX12	15.3613	15.4246	13.9442	15.4989	13.7271	17.4049	SRY-box 12 [Source:HGNC Symbol;Acc:HGNC:11198]	chr20:3062	NM_00694	.	.	.	NP_00887	.	protein_co	ENSG0000	6666	11198

SOX13	7.5722	8.16678	8.5812	8.33886	8.78472	10.5829	SRY-box 13 [Source:HGNC Symbol;Acc:HGNC:11192]	chr1:20404	NM_00568	XM_00524	.	.	NP_00567	XP_005245	protein_co	ENSG0000	9580	11192
SOX14	0	0	0	0	0	0.051651	SRY-box 14 [Source:HGNC Symbol;Acc:HGNC:11193]	chr3:13748	NM_00418	.	.	.	NP_00418	.	protein_co	ENSG0000	8403	11193
SOX15	0.368226	0.213985	0.265117	0.707694	0.616779	0.582289	SRY-box 15 [Source:HGNC Symbol;Acc:HGNC:11196]	chr17:7486	NM_00694	.	.	.	NP_00887	.	protein_co	ENSG0000	6665	11196
SOX17	0	0	0	0	0	0	SRY-box 17 [Source:HGNC Symbol;Acc:HGNC:18122]	chr8:55370	NM_02245	.	.	.	NP_07189	.	protein_co	ENSG0000	64321	18122
SOX18	2.28374	2.97629	3.06048	3.66874	4.03138	3.32157	SRY-box 18 [Source:HGNC Symbol;Acc:HGNC:11194]	chr20:6267	NM_01841	.	.	.	NP_06088	.	protein_co	ENSG0000	54345	11194
SOX2	0.194804	0.156923	0.134458	0.128921	0.179454	0.122482	SRY-box 2 [Source:HGNC Symbol;Acc:HGNC:11195]	chr3:18142	NM_00310	.	.	.	NP_00309	.	protein_co	ENSG0000	6657	11195
SOX21	0	0	0	0	0	0	SRY-box 21 [Source:HGNC Symbol;Acc:HGNC:11197]	chr13:9536	NM_00708	.	.	.	NP_00901	.	protein_co	ENSG0000	11166	11197
SOX3	0	0	0	0	0	0	SRY-box 3 [Source:HGNC Symbol;Acc:HGNC:11199]	chrX:13958	NM_00563	.	.	.	NP_00562	.	protein_co	ENSG0000	6658	11199
SOX30	0.218087	0.063971	0.134972	0.048316	0.143917	0.524355	SRY-box 30 [Source:HGNC Symbol;Acc:HGNC:30635]	chr5:15705	NM_00130	XM_01153	.	.	NP_00129	XP_005265	protein_co	ENSG0000	11063	30635
SOX4	49.3774	56.0177	58.8206	82.4976	89.6967	104.798	SRY-box 4 [Source:HGNC Symbol;Acc:HGNC:11200]	chr6:21592	NM_00310	.	.	.	NP_00309	.	protein_co	ENSG0000	6659	11200
SOX5	0	0	0	0	0	0	SRY-box 5 [Source:HGNC Symbol;Acc:HGNC:11201]	chr12:2368	NM_00126	XM_01701	.	.	NP_00124	XP_006719	protein_co	ENSG0000	6660	11201
SOX6	0.072563	0.039532	0.137569	0.046576	0.114836	0.175768	SRY-box 6 [Source:HGNC Symbol;Acc:HGNC:16421]	chr11:1598	NM_00114	.	NR_10672	.	NP_00113	.	protein_co	ENSG0000	102464826	16421
SOX7	0.540371	0.241576	0.292736	0.247779	0.38615	0.240998	SRY-box 7 [Source:HGNC Symbol;Acc:HGNC:18196]	chr8:10581	NM_03143	.	.	.	NP_11362	.	protein_co	ENSG0000	83595	18196
SOX8	4.08988	3.75478	4.88927	3.34732	3.26994	3.43894	SRY-box 8 [Source:HGNC Symbol;Acc:HGNC:11203]	chr16:1031	NM_01458	.	.	.	NP_05540	.	protein_co	ENSG0000	30812	11203
SOX9	32.0023	33.5773	57.1569	30.502	31.2131	50.5562	SRY-box 9 [Source:HGNC Symbol;Acc:HGNC:11204]	chr17:7011	NM_00034	.	.	.	NP_00033	.	protein_co	ENSG0000	6662	11204
SP1	25.1344	26.872	25.3436	22.0696	25.6351	31.9641	Sp1 transcription factor [Source:HGNC Symbol;Acc:HGNC:11205]	chr12:5377	NM_00125	XM_01153	.	.	NP_00123	XP_011536	protein_co	ENSG0000	6667	11205
SP100	18.1116	18.9171	15.4441	15.7212	13.0179	14.3625	SP100 nuclear antigen [Source:HGNC Symbol;Acc:HGNC:11206]	chr2:23128	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	6672	11206
SP110	3.19058	2.95732	2.81005	3.49285	2.94693	2.20461	SP110 nuclear body protein [Source:HGNC Symbol;Acc:HGNC:54	chr2:23103	NM_00450	XM_01151	.	.	NP_00450	XP_005246	protein_co	ENSG0000	3431	5401
SP140	0.085395	0	0.169523	0.201222	0.09595	0	SP140 nuclear body protein [Source:HGNC Symbol;Acc:HGNC:17	chr2:23109	NM_00100	XM_01700	.	.	NP_00100	XP_005246	protein_co	ENSG0000	11262	17133
SP140L	11.2257	9.75859	9.68021	8.55685	8.63084	8.18905	SP140 nuclear body protein like [Source:HGNC Symbol;Acc:HGN	chr2:23119	NM_00130	XM_01151	.	.	NP_00129	XP_006712	protein_co	ENSG0000	93349	25105
SP2	7.51553	8.1191	5.49847	8.14054	7.02718	9.75394	Sp2 transcription factor [Source:HGNC Symbol;Acc:HGNC:11207]	chr17:4597	NM_00311	XM_01152	.	.	NP_00310	XP_006722	protein_co	ENSG0000	6668	11207
SP3	31.7468	31.956	27.7317	31.6981	34.0314	39.4431	Sp3 transcription factor [Source:HGNC Symbol;Acc:HGNC:11208]	chr2:17477	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	6670	11208
SP4	2.50691	2.92244	3.00143	2.48486	3.31025	3.52301	Sp4 transcription factor [Source:HGNC Symbol;Acc:HGNC:11209]	chr7:21467	NM_00132	XM_00524	.	.	NP_00131	XP_005249	protein_co	ENSG0000	6671	11209
SP5	2.29476	2.1924	2.58196	1.99587	2.54749	2.35272	Sp5 transcription factor [Source:HGNC Symbol;Acc:HGNC:14529]	chr2:17157	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	389058	14529
SP6	9.0592	9.42117	8.13318	9.97149	8.89806	7.67592	Sp6 transcription factor [Source:HGNC Symbol;Acc:HGNC:14530]	chr17:4592	NM_00125	XM_00672	.	.	NP_00124	XP_006722	protein_co	ENSG0000	80320	14530
SP7	0	0	0	0	0.032452	0	Sp7 transcription factor [Source:HGNC Symbol;Acc:HGNC:17321]	chr12:5372	NM_00117	XM_01153	.	.	NP_00116	XP_011536	protein_co	ENSG0000	121340	17321
SP8	0.781704	0.760724	0.327416	1.07104	1.00589	1.03124	Sp8 transcription factor [Source:HGNC Symbol;Acc:HGNC:19196]	chr7:20821	NM_18270	XM_01151	.	.	NP_87435	XP_011513	protein_co	ENSG0000	221833	19196
SP9	0.565883	0.989315	0.39054	0.3308	0.303083	0.688861	Sp9 transcription factor [Source:HGNC Symbol;Acc:HGNC:30690]	chr2:17519	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	100131390	30690
SPA17	11.6928	10.3061	8.97206	16.9387	12.6335	13.5469	sperm autoantigenic protein 17 [Source:HGNC Symbol;Acc:HGNC	chr11:1244	NM_01742	XM_01154	.	.	NP_05912	XP_011541	protein_co	ENSG0000	53340	11210
SPACA1	0	0	0	0	0	0	sperm acrosome associated 1 [Source:HGNC Symbol;Acc:HGNC:1	chr6:88757	NM_03096	.	.	.	NP_11222	.	protein_co	ENSG0000	81833	14967
SPACA3	0	0	0	0	0	0	sperm acrosome associated 3 [Source:HGNC Symbol;Acc:HGNC:1	chr17:3129	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	124912	16260
SPACA4	0	0	0	0	0	0	sperm acrosome associated 4 [Source:HGNC Symbol;Acc:HGNC:1	chr19:4910	NM_13349	.	.	.	NP_59800	.	protein_co	ENSG0000	171169	16441
SPACA5	0	0	0	0	0	0	sperm acrosome associated 5 [Source:HGNC Symbol;Acc:HGNC:3	chrX:47863	NM_20585	XM_00672	.	.	NP_99532	XP_006724	protein_co	ENSG0000	389852	31353
SPACA5B	0	0	0	0	0	0	sperm acrosome associated 5B [Source:HGNC Symbol;Acc:HGNC:	chrX:47990	NM_00107	.	.	.	NP_00107	XP_016885	protein_co	ENSG0000	729201	19142
SPACA6	0.800736	0.792362	1.45808	1.5121	0.345376	0.875986	sperm acrosome associated 6 [Source:HGNC Symbol;Acc:HGNC:2	chr19:5219	.	.	NR_02433	.	NP_00130	XP_016881	protein_co	ENSG0000	147650	27113
SPACA7	0	0	0	0	0	0	sperm acrosome associated 7 [Source:HGNC Symbol;Acc:HGNC:2	chr13:1130	NM_14524	XM_01153	.	.	NP_66029	XP_011535	protein_co	ENSG0000	122258	29575
SPACA9	4.15006	2.72783	4.49539	2.17737	1.64184	3.57139	sperm acrosome associated 9 [Source:HGNC Symbol;Acc:HGNC:1	chr9:13560	NM_00131	XM_00527	.	.	NP_00130	XP_005272	protein_co	ENSG0000	11092	1367
SPAG1	3.91956	3.26793	2.8896	3.62762	4.22228	4.98225	sperm associated antigen 1 [Source:HGNC Symbol;Acc:HGNC:112	chr8:10117	NM_00311	XM_01701	.	.	NP_00310	XP_011515	protein_co	ENSG0000	6674	11212
SPAG11A	0	0	0	0	0	0	sperm associated antigen 11A [Source:HGNC Symbol;Acc:HGNC:3	chr8:77053	NM_00108	XM_00527	.	.	NP_00107	XP_005272	protein_co	ENSG0000	653423	33342
SPAG11B	0	0	0	0	0	0	sperm associated antigen 11B [Source:HGNC Symbol;Acc:HGNC:1	chr8:73052	NM_01651	.	.	.	NP_05759	.	protein_co	ENSG0000	10407	14534
SPAG16	0	0	0.02701	0	0	0.030694	sperm associated antigen 16 [Source:HGNC Symbol;Acc:HGNC:23	chr2:21414	NM_00102	XM_01151	.	.	NP_00102	XP_011510	protein_co	ENSG0000	79582	23225
SPAG17	0	0	0	0	0	0	sperm associated antigen 17 [Source:HGNC Symbol;Acc:HGNC:26	chr1:11847	NM_20699	XM_01154	.	.	NP_99687	XP_006710	protein_co	ENSG0000	200162	26620
SPAG4	0.705364	0.503976	0.824864	0.829088	0.520794	0.984678	sperm associated antigen 4 [Source:HGNC Symbol;Acc:HGNC:112	chr20:3420	NM_00131	XM_01152	.	.	NP_00130	XP_005260	protein_co	ENSG0000	6676	11214
SPAG5	27.7644	28.5795	24.179	44.2095	40.4055	27.8187	sperm associated antigen 5 [Source:HGNC Symbol;Acc:HGNC:134	chr17:2690	NM_00646	.	.	.	NP_00645	.	protein_co	ENSG0000	10615	13452
SPAG6	0	0	0	0	0	0	sperm associated antigen 6 [Source:HGNC Symbol;Acc:HGNC:112	chr10:2263	NM_00125	XM_00525	.	.	NP_00124	XP_005252	protein_co	ENSG0000	9576	11215
SPAG7	36.2757	33.8592	25.5073	43.4222	33.0172	28.1633	sperm associated antigen 7 [Source:HGNC Symbol;Acc:HGNC:112	chr17:4862	NM_00489	XM_01152	.	.	NP_00488	XP_005256	protein_co	ENSG0000	9552	11216
SPAG8	0.045464	0.046579	0	0	0	0.098082	sperm associated antigen 8 [Source:HGNC Symbol;Acc:HGNC:141	chr9:35792	NM_00103	XM_01151	.	.	NP_00103	.	protein_co	ENSG0000	26206	14105
SPAG9	17.8295	19.3896	18.6081	18.332	20.1531	24.6011	sperm associated antigen 9 [Source:HGNC Symbol;Acc:HGNC:145	chr17:4903	NM_00113	XM_01702	.	.	NP_00112	XP_005257	protein_co	ENSG0000	9043	14524
SPAM1	0	0	0	0	0	0	sperm adhesion molecule 1 [Source:HGNC Symbol;Acc:HGNC:112	chr7:12356	NM_00117	XM_01151	.	.	NP_00116	XP_011514	protein_co	ENSG0000	6677	11217
SPANXA1	0	0	0	0	0	0	sperm protein associated with the nucleus, X-linked, family mem	chrX:14067	NM_01345	.	.	.	NP_03848	XP_016855	protein_co	ENSG0000	728712	11218
SPANXA2	0	0	0	0	0	0	SPANX family member A2 [Source:HGNC Symbol;Acc:HGNC:1432	chrX:14067	NM_14566	.	.	.	NP_66369	XP_016855	protein_co	ENSG0000	728712	14328
SPANXB1	0	0	0	0	0	0	SPANX family member B1 [Source:HGNC Symbol;Acc:HGNC:1432	chrX:14008	NM_03246	.	.	.	NP_11585	XP_016855	protein_co	ENSG0000	107984060	14329
SPANXC	0	0	0	0	0	0	SPANX family member C [Source:HGNC Symbol;Acc:HGNC:14331	chrX:14033	NM_02266	.	.	.	NP_07315	.	protein_co	ENSG0000	64663	14331
SPANXD	0	0	0	0	0	0	SPANX family member D [Source:HGNC Symbol;Acc:HGNC:14332	chrX:14078	NM_03241	.	.	.	NP_11579	.	protein_co	ENSG0000	64648	14332
SPANXN1	0	0	0	0	0	0	SPANX family member N1 [Source:HGNC Symbol;Acc:HGNC:3317	chrX:14432	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	494118	33174
SPANXN2	0	0	0	0	0	0	SPANX family member N2 [Source:HGNC Symbol;Acc:HGNC:3317	chrX:14279	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	494119	33175
SPANXN3	0	0	0	0	0	0	SPANX family member N3 [Source:HGNC Symbol;Acc:HGNC:3317	chrX:14259	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	139067	33176
SPANXN4	0	0	0	0	0	0	SPANX family member N4 [Source:HGNC Symbol;Acc:HGNC:3317	chrX:14211	NM_00100	.	.	.	NP_00100	XP_016885	protein_co	ENSG0000	441525	33177
SPANXN5	0	0	0	0	0	0	SPANX family member N5 [Source:HGNC Symbol;Acc:HGNC:3317	chrX:52825	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	494197	33178

SPARC	0.04114	0.063938	0.231692	0.022768	0.093279	0.169438	secreted protein acidic and cysteine rich [Source:HGNC Symbol;A	chr5:15104	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	6678	11219
SPARCL1	0.019806	0.038414	0	0.022286	0	0.039848	SPARC like 1 [Source:HGNC Symbol;Acc:HGNC:11220]	chr4:88394	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	8404	11220
SPAST	6.35511	5.23176	5.06084	4.43379	6.50022	6.32963	spastin [Source:HGNC Symbol;Acc:HGNC:11233]	chr2:32288	NM_01494	XM_01153	.	.	NP_05576	XP_005264	protein_co	ENSG0000	6683	11233
SPATA12	0.675952	0.427437	0.305496	0.715077	0.827569	0.364296	spermatogenesis associated 12 [Source:HGNC Symbol;Acc:HGNC:	chr3:56761	NM_18172	XM_01153	.	.	NP_85907	XP_011531	protein_co	ENSG0000	353324	23221
SPATA13	6.08165	6.82797	7.33414	5.95087	7.17543	5.69857	spermatogenesis associated 13 [Source:HGNC Symbol;Acc:HGNC:	chr13:2455	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	221178	23222
SPATA16	0	0	0	0	0	0	spermatogenesis associated 16 [Source:HGNC Symbol;Acc:HGNC:	chr3:17260	NM_03195	XM_00671	.	.	NP_11416	XP_006713	protein_co	ENSG0000	83893	29935
SPATA17	0.458817	0.376462	0.339455	0.30328	0.456999	0.320743	spermatogenesis associated 17 [Source:HGNC Symbol;Acc:HGNC:	chr1:21780	NM_13879	XM_00671	.	.	NP_62015	XP_005273	protein_co	ENSG0000	128153	25184
SPATA18	0.117703	0.1227	0.033973	0.510709	0.571926	0.58804	spermatogenesis associated 18 [Source:HGNC Symbol;Acc:HGNC:	chr4:52917	NM_00129	XM_01153	.	.	NP_00128	XP_005265	protein_co	ENSG0000	132671	29579
SPATA19	0	0	0	0	0	0	spermatogenesis associated 19 [Source:HGNC Symbol;Acc:HGNC:	chr11:1337	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	219938	30614
SPATA2	5.00462	4.77984	4.88236	5.85833	4.8794	4.02818	spermatogenesis associated 2 [Source:HGNC Symbol;Acc:HGNC:1	chr20:4851	NM_00113	XM_01152	.	.	NP_00112	XP_006723	protein_co	ENSG0000	9825	14681
SPATA20	22.3107	21.8298	33.0207	21.4127	19.619	18.979	spermatogenesis associated 20 [Source:HGNC Symbol;Acc:HGNC:	chr17:4862	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	64847	26125
SPATA21	0.039551	0	0.15627	0	0	0.130832	spermatogenesis associated 21 [Source:HGNC Symbol;Acc:HGNC:	chr1:16725	NM_19854	XM_01154	.	.	NP_94094	XP_011539	protein_co	ENSG0000	374955	28026
SPATA22	1.08E-28	3.43E-15	1.73E-38	1.05E-18	7.02E-25	6.66E-11	spermatogenesis associated 22 [Source:HGNC Symbol;Acc:HGNC:	chr17:3343	NM_00117	XM_01152	.	.	NP_00116	XP_005256	protein_co	ENSG0000	84690	30705
SPATA24	2.11309	2.95914	2.29335	3.69502	1.68064	2.03239	spermatogenesis associated 24 [Source:HGNC Symbol;Acc:HGNC:	chr5:13873	NM_19429	XM_00527	.	.	NP_91927	XP_005271	protein_co	ENSG0000	202051	27322
SPATA25	0.121072	0	0	0	0	0	spermatogenesis associated 25 [Source:HGNC Symbol;Acc:HGNC:	chr20:4451	NM_08060	.	.	.	NP_54217	.	protein_co	ENSG0000	128497	16158
SPATA2L	20.7219	19.1258	21.219	19.9602	15.4267	18.1306	spermatogenesis associated 2 like [Source:HGNC Symbol;Acc:HG	chr16:8974	NM_15233	XM_00525	.	.	NP_68955	XP_005256	protein_co	ENSG0000	124044	28393
SPATA3	0	0	0	0	0	0	spermatogenesis associated 3 [Source:HGNC Symbol;Acc:HGNC:1	chr2:23186	NM_13907	XM_00524	.	.	NP_62071	XP_005246	protein_co	ENSG0000	130560	17884
SPATA31A1	0	0	0	0	0	0	SPATA31 subfamily A member 1 [Source:HGNC Symbol;Acc:HGN	chr9:39355	NM_00108	XM_01151	.	.	NP_00107	XP_011516	protein_co	ENSG0000	647060	23394
SPATA31A2	0	0	0	0	0	0	SPATA31 subfamily A, member 2 [Source:HGNC Symbol;Acc:3200	chr9:39884	NM_00104	XM_00525	.	.	NP_00103	XP_005251	protein_co	ENSG0000	642265	32002
SPATA31A3	0	0	0	0	0	0	SPATA31 subfamily A member 3 [Source:HGNC Symbol;Acc:HGN	chr9:40700	NM_00108	XM_01154	.	.	NP_00107	XP_011543	protein_co	ENSG0000	727830	32003
SPATA31A4	0	0	0	0	0	0	SPATA31 subfamily A, member 4 [Source:HGNC Symbol;Acc:3200	chr9:41321	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	642629	32004
SPATA31A5	0	0	0	0	0	0	SPATA31 subfamily A member 5 [Source:HGNC Symbol;Acc:HGN	chr9:41500	NM_00111	XM_01154	.	.	NP_00110	XP_011543	protein_co	ENSG0000	727905	32005
SPATA31A6	0	0	0	0	0	0	SPATA31 subfamily A member 6 [Source:HGNC Symbol;Acc:HGN	chr9:43624	NM_00114	XM_01151	.	.	NP_00113	XP_011516	protein_co	ENSG0000	389730	32006
SPATA31A7	0	0	0	0	0	0	SPATA31 subfamily A member 7 [Source:HGNC Symbol;Acc:HGN	chr9:65503	NM_01566	.	.	.	NP_05648	.	protein_co	ENSG0000	26165	32007
SPATA31D1	0	0	0	0	0	0	SPATA31 subfamily D member 1 [Source:HGNC Symbol;Acc:HGN	chr9:84603	NM_00100	XM_01701	.	.	NP_00100	XP_016870	protein_co	ENSG0000	389763	37283
SPATA31D3	0	0	0	0	0	0	SPATA31 subfamily D member 3 [Source:HGNC Symbol;Acc:HGN	chr9:84558	NM_20741	.	.	.	NP_99729	.	protein_co	ENSG0000	389762	38603
SPATA31D4	0	0	0	0	0	0	SPATA31 subfamily D member 4 [Source:HGNC Symbol;Acc:HGN	chr9:84543	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	389761	38601
SPATA31E1	0	0	0	0.014282	0	0	SPATA31 subfamily E member 1 [Source:HGNC Symbol;Acc:HGN	chr9:90497	NM_17882	.	.	.	NP_84915	.	protein_co	ENSG0000	286234	26672
SPATA32	0	0	0	0	0	0	spermatogenesis associated 32 [Source:HGNC Symbol;Acc:HGNC:	chr17:4333	NM_15234	XM_01152	.	.	NP_68955	.	protein_co	ENSG0000	124783	26349
SPATA33	12.5674	11.7495	12.191	14.7367	14.5467	8.87213	spermatogenesis associated 33 [Source:HGNC Symbol;Acc:HGNC:	chr16:8971	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	124045	26463
SPATA4	0.344181	0.207803	0.268597	0.175573	0.086035	0.380301	spermatogenesis associated 4 [Source:HGNC Symbol;Acc:HGNC:1	chr4:17710	NM_14464	.	.	.	NP_65324	.	protein_co	ENSG0000	132851	17333
SPATA45	0.37537	0	0	0	0.212008	0	spermatogenesis associated 45 [Source:HGNC Symbol;Acc:HGNC:	chr1:21300	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	149643	33709
SPATA5	3.98905	4.22835	4.26611	4.65066	5.50401	4.11892	spermatogenesis associated 5 [Source:HGNC Symbol;Acc:HGNC:1	chr4:12384	NM_14520	XM_01153	.	.	NP_66020	XP_005262	protein_co	ENSG0000	166378	18119
SPATA5L1	10.266	9.29288	9.19078	12.919	11.0865	9.27719	spermatogenesis associated 5 like 1 [Source:HGNC Symbol;Acc:H	chr15:4569	NM_02406	.	.	.	NP_00131	.	protein_co	ENSG0000	79029	28762
SPATA6	0.721339	0.901956	1.40927	1.06816	1.07523	1.19659	spermatogenesis associated 6 [Source:HGNC Symbol;Acc:HGNC:1	chr1:48761	NM_00128	XM_01700	.	.	NP_00127	XP_006710	protein_co	ENSG0000	54558	18309
SPATA6L	0.227093	0.179289	0.383485	0.304857	0.317408	0.440253	spermatogenesis associated 6 like [Source:HGNC Symbol;Acc:HG	chr9:46005	NM_00103	XM_00671	.	.	NP_00103	XP_006716	protein_co	ENSG0000	55064	25472
SPATA7	2.63135	1.99686	3.07066	3.18129	2.99371	3.45233	spermatogenesis associated 7 [Source:HGNC Symbol;Acc:HGNC:2	chr14:8885	NM_00104	XM_01153	.	.	NP_00103	XP_005267	protein_co	ENSG0000	55812	20423
SPATA8	0	0	0	0	0	0	spermatogenesis associated 8 [Source:HGNC Symbol;Acc:HGNC:2	chr15:9732	NM_00130	XM_01152	.	.	NP_00129	XP_011519	protein_co	ENSG0000	145946	28676
SPATA9	0	0.074413	0.060812	0.078908	0	0.068337	spermatogenesis associated 9 [Source:HGNC Symbol;Acc:HGNC:2	chr5:94994	NM_03195	XM_01154	.	.	NP_11415	XP_011541	protein_co	ENSG0000	83890	22988
SPATC1	0	0	0	0	0	0	spermatogenesis and centriole associated 1 [Source:HGNC Symb	chr8:14508	NM_00113	XM_01151	.	.	NP_00112	XP_011515	protein_co	ENSG0000	375686	30510
SPATC1L	0.873656	0.336047	0.522223	0.37009	0.41048	0.398286	spermatogenesis and centriole associated 1-like [Source:HGNC Sy	chr21:4758	NM_00114	XM_00526	.	.	NP_00113	XP_005261	protein_co	ENSG0000	84221	1298
SPATS1	0	0	0	0	0	0	spermatogenesis associated serine rich 1 [Source:HGNC Symbol;A	chr6:44310	NM_14502	.	.	.	NP_65946	.	protein_co	ENSG0000	221409	22957
SPATS2	28.5633	27.7507	31.7146	35.3772	33.4662	41.2729	spermatogenesis associated serine rich 2 [Source:HGNC Symbol;A	chr12:4976	NM_00129	XM_01153	.	.	NP_00128	XP_011536	protein_co	ENSG0000	65244	18650
SPATS2L	50.3808	51.2464	44.8405	41.0943	41.7265	39.1785	spermatogenesis associated serine rich 2 like [Source:HGNC Symb	chr2:20117	NM_00110	XM_01700	.	.	NP_00109	XP_005246	protein_co	ENSG0000	26010	24574
SPC24	12.2132	13.6743	11.4115	19.3645	16.7014	12.657	SPC24, NDC80 kinetochore complex component [Source:HGNC Sy	chr19:1125	NM_00131	XM_01152	.	.	NP_00130	.	protein_co	ENSG0000	147841	26913
SPC25	20.427	18.0397	18.5394	27.7376	34.9954	38.3643	SPC25, NDC80 kinetochore complex component [Source:HGNC Sy	chr2:16972	NM_02067	.	.	.	NP_06572	.	protein_co	ENSG0000	57405	24031
SPCS1	180.569	170.293	168.56	191.159	194.052	182.109	signal peptidase complex subunit 1 [Source:HGNC Symbol;Acc:HG	chr3:52719	NM_01404	.	.	.	NP_05476	.	protein_co	ENSG0000	28972	23401
SPCS2	45.9868	55.362	35.0173	48.5132	46.519	40.9173	signal peptidase complex subunit 2 [Source:HGNC Symbol;Acc:HG	chr11:7466	NM_01475	.	.	.	NP_05556	.	protein_co	ENSG0000	9789	28962
SPCS3	42.8839	41.8038	36.9681	42.9266	47.5273	48.561	signal peptidase complex subunit 3 [Source:HGNC Symbol;Acc:HG	chr4:17724	NM_02192	.	.	.	NP_06874	.	protein_co	ENSG0000	60559	26212
SPDEF	0.045764	0.133545	0.03933	0.288762	0.053853	0	SAM pointed domain containing ETS transcription factor [Source:	chr6:34505	NM_00125	XM_00524	.	.	NP_00123	XP_005249	protein_co	ENSG0000	25803	17257
SPDL1	14.1737	14.2673	11.5515	21.1102	23.31	19.169	spindle apparatus coiled-coil protein 1 [Source:HGNC Symbol;Acc	chr5:16901	NM_00132	XM_01153	.	.	NP_00131	XP_011532	protein_co	ENSG0000	54908	26010
SPDYA	0	0.101104	0	0.10104	0.051471	0.044616	speedy/RINGO cell cycle regulator family member A [Source:HGN	chr2:29033	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	245711	30613
SPDYC	1.50149	1.81871	2.07226	2.17912	2.52499	1.82545	speedy/RINGO cell cycle regulator family member C [Source:HGN	chr11:6493	NM_00100	.	.	.	NP_00100	XP_016873	protein_co	ENSG0000	387778	32681
SPDYE1	0	0	0	0	0	0	speedy/RINGO cell cycle regulator family member E1 [Source:HG	chr7:44040	NM_17506	XM_00524	.	.	NP_77823	XP_005249	protein_co	ENSG0000	285955	16408
SPDYE16	0	0	0	0	0	0	speedy/RINGO cell cycle regulator family member E16 [Source:H	chr7:76160	.	XM_01151	.	.	.	XP_006716	protein_co	ENSG0000	102723555	51512
SPDYE2	0	0	0	0	0	0	speedy/RINGO cell cycle regulator family member E2 [Source:HG	chr7:10217	NM_00103	XM_01151	.	.	NP_00102	XP_006716	protein_co	ENSG0000	441273	33841
SPDYE2B	0	0	0	0	0	0	speedy/RINGO cell cycle regulator family member E2B [Source:H	chr7:10229	NM_00116	XM_01151	.	.	NP_00115	XP_005250	protein_co	ENSG0000	100310812	48334
SPDYE3	0	0	0	0	0	0	speedy/RINGO cell cycle regulator family member E3 [Source:HG	chr7:99905	NM_00100	XM_01151	.	.	NP_00100	XP_011514	protein_co	ENSG0000	441272	35462
SPDYE4	0	0	0	0	0	0	speedy/RINGO cell cycle regulator family member E4 [Source:HG	chr17:8656	NM_00112	XM_00525	.	.	NP_00112	XP_005256	protein_co	ENSG0000	388333	35463

SPDYE5	0	0	0	0	0	0	speedy/RINGO cell cycle regulator family member E5 [Source:HG	chr7:75122	NM_00109	XM_00525	.	.	NP_00109	XP_00525	protein_co	ENSG0000	442590	35464
SPDYE6	0	0	0	0	0	0	speedy/RINGO cell cycle regulator family member E6 [Source:HG	chr7:10198	NM_00114	XM_01151	.	.	NP_00113	XP_011514	protein_co	ENSG0000	729597	35465
SPECC1	7.21482	7.52905	8.17414	8.76934	8.31017	8.06374	sperm antigen with calponin homology and coiled-coil domains 1	chr17:1991	NM_00103	XM_01702	.	.	NP_00102	XP_00525	protein_co	ENSG0000	92521	30615
SPECC1L	9.47526	9.34278	11.093	9.24231	10.4484	11.5638	sperm antigen with calponin homology and coiled-coil domains 1	chr22:2466	NM_00114	.	.	.	NP_00113		protein_co	ENSG0000	23384	29022
SPEF1	0.783255	1.21308	0.360985	1.08334	0.355215	0.272598	sperm flagellar 1 [Source:HGNC Symbol;Acc:HGNC:15874]	chr20:3758	NM_01541	XM_00526	.	.	NP_05623	XP_00526	protein_co	ENSG0000	25876	15874
SPEF2	0.823136	1.13909	1.25672	0.871053	1.54588	1.12729	sperm flagellar 2 [Source:HGNC Symbol;Acc:HGNC:26293]	chr5:35617	NM_02486	XM_01151	.	.	NP_07914	XP_00524	protein_co	ENSG0000	79925	26293
SPEG	16.3143	15.7414	19.4502	15.7216	15.0014	10.9881	SPEG complex locus [Source:HGNC Symbol;Acc:HGNC:16901]	chr2:22029	NM_00117	XM_01700	.	.	NP_00116	XP_00524	protein_co	ENSG0000	100996693	16901
SPEM1	0.092959	0	0	0.299604	0.106933	0	spermatid maturation 1 [Source:HGNC Symbol;Acc:HGNC:32429]	chr17:7323	NM_19933	.	.	.	NP_95537	.	protein_co	ENSG0000	374768	32429
SPEN	14.7439	15.7672	12.6404	11.3676	12.8561	10.2266	spen family transcriptional repressor [Source:HGNC Symbol;Acc:H	chr1:16174	NM_01500	.	.	.	NP_05581	.	protein_co	ENSG0000	23013	17575
SPERT	0.055289	0	0	0.058273	0	0.191	spermatid associated [Source:HGNC Symbol;Acc:HGNC:30720]	chr13:4627	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	220082	30720
SPESP1	0	0	0	0	0	0	sperm equatorial segment protein 1 [Source:HGNC Symbol;Acc:H	chr15:6922	NM_14565	.	.	.	NP_66363	.	protein_co	ENSG0000	246777	15570
SPG11	4.88175	4.49904	5.93401	3.54083	4.26597	5.61954	spastic paraplegia 11 (autosomal recessive) [Source:HGNC Symbo	chr15:4482	NM_00116	XM_00672	.	.	NP_00115	XP_00672	protein_co	ENSG0000	80208	11226
SPG20	0	0	0	0	0	0	spastic paraplegia 20 (Troyer syndrome) [Source:HGNC Symbol;A	chr13:3687	NM_00114	XM_01153	.	.	NP_00113	XP_00526	protein_co	ENSG0000	23111	18514
SPG21	50.3614	46.9428	53.5179	46.0238	45.921	46.6038	spastic paraplegia 21 (autosomal recessive, Mast syndrome) [Sou	chr15:6525	NM_00112	XM_01152	.	.	NP_00112	XP_00525	protein_co	ENSG0000	51324	20373
SPG7	27.573	26.4703	31.6366	25.9685	25.4935	21.8247	SPG7, paraplegin matrix AAA peptidase subunit [Source:HGNC Sy	chr16:8957	NM_00311	XM_00672	.	.	NP_00311	XP_00525	protein_co	ENSG0000	6687	11237
SPHAR	2.53E-58	1.45E-42	8.95E-91	1.97E-69	0	3.16E-55	S-phase response (cyclin related) [Source:HGNC Symbol;Acc:HGN	chr1:22940	NM_00654	.	.	.	NP_00653	.	protein_co	ENSG0000	10638	16957
SPHK1	4.83281	5.32729	5.92052	6.19858	4.36988	4.30243	sphingosine kinase 1 [Source:HGNC Symbol;Acc:HGNC:11240]	chr17:7437	NM_00114	XM_01152	.	.	NP_00113	XP_00525	protein_co	ENSG0000	8877	11240
SPHK2	9.53584	10.2243	6.43825	8.52735	6.29851	4.95497	sphingosine kinase 2 [Source:HGNC Symbol;Acc:HGNC:18859]	chr19:4911	NM_00120	XM_01152	.	.	NP_00119	XP_00672	protein_co	ENSG0000	56848	18859
SPHKAP	0	0	0	0	0	0	SPHK1 interactor, AKAP domain containing [Source:HGNC Symbo	chr2:22884	NM_00114	XM_01151	.	.	NP_00113	XP_00524	protein_co	ENSG0000	80309	30619
SPI1	0.081073	0	0	0.085426	0	0	Spi-1 proto-oncogene [Source:HGNC Symbol;Acc:HGNC:11241]	chr11:4737	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	6688	11241
SPIB	0.395358	0.271979	0.223421	0.142298	0.941029	0.046683	Spi-B transcription factor [Source:HGNC Symbol;Acc:HGNC:11242	chr19:5088	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	6689	11242
SPIC	0	0	0.06107	0	0	0	Spi-C transcription factor [Source:HGNC Symbol;Acc:HGNC:29549	chr12:1018	NM_15232	XM_00671	.	.	NP_68953	XP_00526	protein_co	ENSG0000	121599	29549
SPICE1	2.84166	2.74717	3.06235	2.4373	2.52029	2.88838	spindle and centriole associated protein 1 [Source:HGNC Symbol;	chr3:11316	NM_14471	XM_01151	.	.	NP_65331	XP_01151	protein_co	ENSG0000	152185	25083
SPIDR	12.2682	11.3728	12.4295	13.1396	12.2261	13.8787	scaffolding protein involved in DNA repair [Source:HGNC Symbol;	chr8:48173	NM_00108	XM_01701	.	.	NP_00107	XP_00525	protein_co	ENSG0000	23514	28971
SPIN1	22.0764	25.141	21.8652	22.2789	26.061	28.5758	spindlin 1 [Source:HGNC Symbol;Acc:HGNC:11243]	chr9:91003	NM_00671	.	.	.	NP_00670	.	protein_co	ENSG0000	10927	11243
SPIN2A	0	0	0	0	0	0	spindlin family member 2A [Source:HGNC Symbol;Acc:HGNC:206	chrX:57160	NM_01900	XM_00672	.	.	NP_06187	XP_00526	protein_co	ENSG0000	54466	20694
SPIN2B	2.78234	2.00465	2.20378	2.05423	2.64172	2.81374	spindlin family member 2B [Source:HGNC Symbol;Acc:HGNC:331	chrX:57146	NM_00100	XM_01153	.	.	NP_00100	XP_00526	protein_co	ENSG0000	474343	33147
SPIN3	3.57092	4.10343	3.2513	2.60711	3.26108	2.25722	spindlin family member 3 [Source:HGNC Symbol;Acc:HGNC:2727	chrX:57017	NM_00101	XM_00672	.	.	NP_00101	XP_00672	protein_co	ENSG0000	169981	27272
SPIN4	5.4274	5.78695	6.44659	7.1561	7.69149	7.74475	spindlin family member 4 [Source:HGNC Symbol;Acc:HGNC:2704	chrX:62567	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	139886	27040
SPINK1	0	0	0	0	0	0	serine peptidase inhibitor, Kazal type 1 [Source:HGNC Symbol;Ac	chr5:14720	NM_00312	.	.	.	NP_00311	.	protein_co	ENSG0000	6690	11244
SPINK13	0.294196	0	0.282461	0	0.090221	0	serine peptidase inhibitor, Kazal type 13 (putative) [Source:HGNC	chr5:14764	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	153218	27200
SPINK14	0	0	0	0	0	0	serine peptidase inhibitor, Kazal type 14 (putative) [Source:HGNC	chr5:14754	NM_00100	XM_00526	.	.	NP_00100	XP_00526	protein_co	ENSG0000	408187	33825
SPINK2	1.62903	2.4267	3.79206	4.00158	1.75994	2.24373	serine peptidase inhibitor, Kazal type 2 [Source:HGNC Symbol;Ac	chr4:57676	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	6691	11245
SPINK4	0	0	0	0	0	0	serine peptidase inhibitor, Kazal type 4 [Source:HGNC Symbol;Ac	chr9:33218	NM_01447	.	.	.	NP_05528	.	protein_co	ENSG0000	27290	16646
SPINK5	0.034412	0	0.015127	0	0	0.017227	serine peptidase inhibitor, Kazal type 5 [Source:HGNC Symbol;Ac	chr5:14744	NM_00112	XM_01153	.	.	NP_00112	XP_01153	protein_co	ENSG0000	11005	15464
SPINK6	0	0	0	0	0	0	serine peptidase inhibitor, Kazal type 6 [Source:HGNC Symbol;Ac	chr5:14758	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	404203	29486
SPINK7	0	0	0	0	0	0	serine peptidase inhibitor, Kazal type 7 (putative) [Source:HGNC S	chr5:14769	NM_03256	.	.	.	NP_11595	.	protein_co	ENSG0000	84651	24643
SPINK8	0	0	0	0	0	0	serine peptidase inhibitor, Kazal type 8 (putative) [Source:HGNC S	chr3:48348	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	646424	33160
SPINK9	0	0	0	0	0	0	serine peptidase inhibitor, Kazal type 9 [Source:HGNC Symbol;Ac	chr5:14769	NM_00104	.	.	.	NP_00103	XP_01686	protein_co	ENSG0000	643394	32951
SPINT1	39.8714	42.8448	42.703	39.739	35.2041	41.5321	serine peptidase inhibitor, Kunitz type 1 [Source:HGNC Symbol;A	chr15:4113	NM_00103	XM_01152	.	.	NP_00102	XP_00672	protein_co	ENSG0000	6692	11246
SPINT2	282.489	267.465	252.704	305.121	253.655	268.119	serine peptidase inhibitor, Kunitz type 2 [Source:HGNC Symbol;A	chr19:3875	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	10653	11247
SPINT3	0	0	0	0	0	0	serine peptidase inhibitor, Kunitz type 3 [Source:HGNC Symbol;A	chr20:4414	NM_00665	.	.	.	NP_00664	.	protein_co	ENSG0000	10816	11248
SPINT4	0	0	0	0	0	0	serine peptidase inhibitor, Kunitz type 4 [Source:HGNC Symbol;A	chr20:4435	NM_17845	.	.	.	NP_84855	.	protein_co	ENSG0000	391253	16130
SPIRE1	8.83447	8.84067	10.7891	8.78893	10.5687	12.1799	spire type actin nucleation factor 1 [Source:HGNC Symbol;Acc:HG	chr18:1244	NM_00112	XM_01152	.	.	NP_00112	XP_00525	protein_co	ENSG0000	56907	30622
SPIRE2	6.39478	5.43687	7.93796	5.10015	4.84124	5.42966	spire type actin nucleation factor 2 [Source:HGNC Symbol;Acc:HG	chr16:8989	NM_03245	XM_01702	.	.	NP_11582	XP_01152	protein_co	ENSG0000	84501	30623
SPN	0	0	0.038038	0.047049	0.012218	0.046976	sialophorin [Source:HGNC Symbol;Acc:HGNC:11249]	chr16:2967	NM_00103	XM_01699	.	.	NP_00102	XP_01685	protein_co	ENSG0000	105369247	11249
SPNS1	19.3929	20.9549	16.1436	17.6736	14.1291	14.0353	sphingolipid transporter 1 (putative) [Source:HGNC Symbol;Acc:H	chr16:2898	NM_00114	XM_01702	.	.	NP_00113	XP_00672	protein_co	ENSG0000	83985	30621
SPNS2	1.61343	1.68377	2.40686	2.00566	2.16124	1.4057	sphingolipid transporter 2 [Source:HGNC Symbol;Acc:HGNC:2699	chr17:4402	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	124976	26992
SPNS3	0.432156	0.511706	0.442212	1.57221	1.14927	0.522661	sphingolipid transporter 3 (putative) [Source:HGNC Symbol;Acc:H	chr17:4336	NM_00132	XM_01152	.	.	NP_00130	XP_01152	protein_co	ENSG0000	201305	28433
SPO11	0	0	0	0	0	0	SPO11, initiator of meiotic double stranded breaks [Source:HGNC	chr20:5590	NM_01244	XM_01152	.	.	NP_03657	XP_00526	protein_co	ENSG0000	23626	11250
SPOCD1	0.968658	0.885425	1.22021	1.1012	1.09199	1.05376	SPOC domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2633	chr1:32256	NM_00128	XM_01700	.	.	NP_00126	XP_01154	protein_co	ENSG0000	90853	26338
SPOCK1	0.036291	0	0.031546	0.475038	0.423961	0.578544	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (tes	chr5:13631	NM_00459	.	.	.	NP_00458	.	protein_co	ENSG0000	6695	11251
SPOCK2	0.128809	0.185604	0.16643	0.09263	0.204575	0.077719	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (tes	chr10:7381	NM_00113	XM_01154	.	.	NP_00112	XP_01153	protein_co	ENSG0000	9806	13564
SPOCK3	0.208947	0.08682	0.682667	0.587515	0.098668	0.270744	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (tes	chr4:16765	NM_00104	XM_01700	.	.	NP_00103	XP_01153	protein_co	ENSG0000	50859	13565
SPON1	0	0.075606	0.050887	0.032522	0.049941	0.091153	spondin 1 [Source:HGNC Symbol;Acc:HGNC:11252]	chr11:1398	NM_00610	.	.	.	NP_00609	.	protein_co	ENSG0000	10418	11252
SPON2	0.197675	0.189825	0.50468	0.27937	0.465733	0.298862	spondin 2 [Source:HGNC Symbol;Acc:HGNC:11253]	chr4:11607	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	10417	11253
SPOP	34.9267	36.5559	28.3245	28.9049	29.2147	32.7543	speckle type BTB/POZ protein [Source:HGNC Symbol;Acc:HGNC:1	chr17:4767	NM_00100	XM_00525	.	.	NP_00100	XP_00525	protein_co	ENSG0000	8405	11254
SPOPL	10.0434	10.966	10.2991	8.71663	10.5763	14.2411	speckle type BTB/POZ protein like [Source:HGNC Symbol;Acc:HG	chr2:13925	NM_00100	XM_00526	.	.	NP_00100	XP_00526	protein_co	ENSG0000	339745	27934
SPP1	1.88212	1.94741	1.49869	2.77525	2.01376	1.99739	secreted phosphoprotein 1 [Source:HGNC Symbol;Acc:HGNC:112	chr4:88896	NM_00058	.	.	.	NP_00057	.	protein_co	ENSG0000	6696	11255

SPP2	0	0	0	0	0	0	secreted phosphoprotein 2 [Source:HGNC Symbol;Acc:HGNC:112	chr2:23495	NM_00694	XM_01151	.	.	NP_00887	XP_005246	protein_co	ENSG0000	6694	11256
SPPL2A	7.39238	8.05265	7.83368	6.51969	7.38292	9.52794	signal peptide peptidase like 2A [Source:HGNC Symbol;Acc:HGNC	chr15:5099	NM_03280	XM_01152	.	.	NP_11619	XP_005254	protein_co	ENSG0000	84888	30227
SPPL2C	0	0	0	0	0	0	signal peptide peptidase like 2C [Source:HGNC Symbol;Acc:HGNC	chr17:4392	NM_17588	.	.	.	NP_78707	.	protein_co	ENSG0000	162540	28902
SPPL3	16.4367	16.166	15.8177	16.0204	14.6868	17.2665	signal peptide peptidase like 3 [Source:HGNC Symbol;Acc:HGNC:3	chr12:1212	NM_13901	XM_01153	.	.	NP_62058	XP_011536	protein_co	ENSG0000	121665	30424
SPR	54.064	54.3602	51.1269	62.5579	50.5119	34.5438	sepiapterin reductase (7,8-dihydrobiopterin:NADP+ oxidoreducta	chr2:73114	NM_00312	.	.	.	NP_00311	.	protein_co	ENSG0000	6697	11257
SPRED1	6.08721	7.60403	7.58641	6.67235	7.54227	9.16705	sprouty related EVH1 domain containing 1 [Source:HGNC Symbol	chr15:3854	NM_15259	XM_01152	.	.	NP_68980	XP_005254	protein_co	ENSG0000	161742	20249
SPRED2	20.211	21.8631	23.3334	19.7196	22.1864	30.0714	sprouty related EVH1 domain containing 2 [Source:HGNC Symbol	chr2:65537	NM_00112	XM_00671	.	.	NP_00112	XP_006712	protein_co	ENSG0000	200734	17722
SPRED3	0.682002	0.673361	1.01093	0.513297	0.479054	0.799839	sprouty related EVH1 domain containing 3 [Source:HGNC Symbol	chr19:3887	NM_00104	XM_01152	.	.	NP_00103	XP_006723	protein_co	ENSG0000	399473	31041
SPRN	0.026266	0	0.022567	0	0.030419	0	shadow of prion protein homolog (zebrafish) [Source:HGNC Symb	chr10:1351	NM_00101	XM_00525	.	.	NP_00101	XP_005252	protein_co	ENSG0000	503542	16871
SPRR1A	0	0	0	0	0	0	small proline rich protein 1A [Source:HGNC Symbol;Acc:HGNC:11	chr1:15295	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	6698	11259
SPRR1B	0	0.3528	0	0.187135	0.397698	0	small proline rich protein 1B [Source:HGNC Symbol;Acc:HGNC:11	chr1:15300	NM_00312	.	.	.	NP_00311	.	protein_co	ENSG0000	6699	11260
SPRR2A	0.504105	0.129378	0	0.137422	0	0	small proline rich protein 2A [Source:HGNC Symbol;Acc:HGNC:11	chr1:15302	NM_00598	.	.	.	NP_00597	.	protein_co	ENSG0000	6700	11261
SPRR2B	0	0	0	0	0	0	small proline rich protein 2B [Source:HGNC Symbol;Acc:HGNC:11	chr1:15304	NM_00101	XM_01700	.	.	NP_00101	XP_016857	protein_co	ENSG0000	6701	11262
SPRR2D	3.14997	4.21372	0.474959	1.64229	1.24254	4.65064	small proline rich protein 2D [Source:HGNC Symbol;Acc:HGNC:11	chr1:15301	NM_00694	XM_01700	.	.	NP_00887	XP_016857	protein_co	ENSG0000	6703	11264
SPRR2E	0	0	0	0	0	0.150175	small proline rich protein 2E [Source:HGNC Symbol;Acc:HGNC:11	chr1:15306	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	6704	11265
SPRR2F	0	0	0	0	0	0	small proline rich protein 2F [Source:HGNC Symbol;Acc:HGNC:11	chr1:15308	NM_00101	.	.	.	NP_00101	XP_016857	protein_co	ENSG0000	6705	11266
SPRR2G	0	0	0	0	0	0	small proline rich protein 2G [Source:HGNC Symbol;Acc:HGNC:11	chr1:15312	NM_00101	XM_01700	.	.	NP_00101	XP_016857	protein_co	ENSG0000	6706	11267
SPRR3	0.082754	0	0	0	0.094394	0.088694	small proline rich protein 3 [Source:HGNC Symbol;Acc:HGNC:112	chr1:15297	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	6707	11268
SPRR4	0	0	0	0	0	0	small proline rich protein 4 [Source:HGNC Symbol;Acc:HGNC:231	chr1:15294	NM_17308	.	.	.	NP_77510	XP_016855	protein_co	ENSG0000	163778	23173
SPRTN	7.2631	6.67514	7.46707	8.76159	9.51265	8.00569	SprT-like N-terminal domain [Source:HGNC Symbol;Acc:HGNC:25	chr1:23146	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	83932	25356
SPRY1	1.74994	1.00966	2.62951	1.44426	1.75798	1.50782	sprouty RTK signaling antagonist 1 [Source:HGNC Symbol;Acc:HG	chr4:12431	NM_00125	XM_01700	.	.	NP_00124	XP_005262	protein_co	ENSG0000	10252	11269
SPRY2	4.29605	4.22717	4.5979	4.6849	3.75213	4.57384	sprouty RTK signaling antagonist 2 [Source:HGNC Symbol;Acc:HG	chr13:8091	NM_00131	XM_01153	.	.	NP_00130	XP_005266	protein_co	ENSG0000	10253	11270
SPRY3	0	0	0.00825	0.032541	0	0.009249	sprouty RTK signaling antagonist 3 [Source:HGNC Symbol;Acc:HG	chrX:15499	NM_00130	XM_01153	.	.	NP_00129	XP_011529	protein_co	ENSG0000	10251	11271
SPRY4	23.0553	23.4506	39.4874	28.36	29.4576	56.6833	sprouty RTK signaling antagonist 4 [Source:HGNC Symbol;Acc:HG	chr5:14168	NM_00112	XM_01153	.	.	NP_00112	XP_005268	protein_co	ENSG0000	81848	15533
SPRYD3	23.9499	25.7628	20.2289	20.3254	19.086	16.1152	SPRY domain containing 3 [Source:HGNC Symbol;Acc:HGNC:2592	chr12:5344	NM_03284	.	.	.	NP_11622	.	protein_co	ENSG0000	84926	25920
SPRYD4	1.7348	1.69302	1.43913	2.00059	1.93473	1.08887	SPRY domain containing 4 [Source:HGNC Symbol;Acc:HGNC:2746	chr12:5686	NM_20734	.	.	.	NP_99722	.	protein_co	ENSG0000	283377	27468
SPRYD7	9.79263	9.82558	8.26087	10.0628	10.4705	9.95726	SPRY domain containing 7 [Source:HGNC Symbol;Acc:HGNC:1429	chr13:5048	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	57213	14297
SPSB1	7.06951	5.84355	5.49776	8.35445	8.19019	7.77191	splA/ryanodine receptor domain and SOCS box containing 1 [Sou	chr1:93529	NM_02510	.	.	.	NP_07938	.	protein_co	ENSG0000	80176	30628
SPSB2	8.31473	8.25873	7.19595	6.56221	6.57929	6.08064	splA/ryanodine receptor domain and SOCS box containing 2 [Sou	chr12:6976	NM_00114	XM_01152	NR_13508	.	NP_00113	XP_005253	protein_co	ENSG0000	105369632	29522
SPSB3	23.992	21.0851	22.1758	21.6758	18.0032	16.6448	splA/ryanodine receptor domain and SOCS box containing 3 [Sou	chr16:1826	NM_08086	XM_01152	.	.	NP_00131	XP_005255	protein_co	ENSG0000	90864	30629
SPSB4	0.468289	0.26456	0.428042	0.505522	0.580488	0.5467	splA/ryanodine receptor domain and SOCS box containing 4 [Sou	chr3:14077	NM_08086	XM_01151	.	.	NP_54313	XP_011511	protein_co	ENSG0000	92369	30630
SPTA1	0	0	0	0	0	0	spectrin alpha, erythrocytic 1 [Source:HGNC Symbol;Acc:HGNC:1	chr1:15858	NM_00312	XM_01150	.	.	NP_00311	XP_011508	protein_co	ENSG0000	6708	11272
SPTAN1	15.9423	16.6678	13.7863	16.8049	16.0383	14.978	spectrin alpha, non-erythrocytic 1 [Source:HGNC Symbol;Acc:HGN	chr9:13131	NM_00113	XM_01701	.	.	NP_00112	XP_006717	protein_co	ENSG0000	6709	11273
SPTB	0.645882	0.996579	1.43218	1.48118	1.58951	1.96718	spectrin beta, erythrocytic [Source:HGNC Symbol;Acc:HGNC:1127	chr14:6517	NM_00034	XM_01702	NR_10700	.	NP_00033	XP_005268	protein_co	ENSG0000	102465841	11274
SPTBN1	20.5644	22.2572	20.5028	26.2497	26.8608	26.5179	spectrin beta, non-erythrocytic 1 [Source:HGNC Symbol;Acc:HGN	chr2:54683	NM_00312	XM_01700	.	.	NP_00311	XP_005264	protein_co	ENSG0000	6711	11275
SPTBN2	3.88048	4.98384	3.81734	4.57974	4.94348	3.2539	spectrin beta, non-erythrocytic 2 [Source:HGNC Symbol;Acc:HGN	chr11:6645	NM_00694	XM_00671	.	.	NP_00887	XP_005274	protein_co	ENSG0000	6712	11276
SPTBN4	1.19913	1.09855	1.48919	1.25717	0.942897	1.16781	spectrin beta, non-erythrocytic 4 [Source:HGNC Symbol;Acc:HGN	chr19:4097	NM_02097	XM_01702	.	.	NP_06602	XP_011525	protein_co	ENSG0000	57731	14896
SPTBN5	0.173737	0.174491	0.144731	0.114252	0.18253	0.196202	spectrin beta, non-erythrocytic 5 [Source:HGNC Symbol;Acc:HGN	chr15:4212	NM_01664	XM_01702	.	.	NP_05772	XP_016877	protein_co	ENSG0000	51332	15680
SPTLC1	44.9097	46.2617	37.5141	43.6979	44.2709	42.0422	serine palmitoyltransferase long chain base subunit 1 [Source:HG	chr9:94794	NM_00128	XM_01151	.	.	NP_00126	XP_011516	protein_co	ENSG0000	10558	11277
SPTLC2	18.146	18.0563	19.6707	17.1231	20.8361	22.2605	serine palmitoyltransferase long chain base subunit 2 [Source:HG	chr14:7797	NM_00486	XM_01153	.	.	NP_00485	XP_011535	protein_co	ENSG0000	9517	11278
SPTLC3	0.064371	0.083023	0.100619	0.029508	0.014209	0.025046	serine palmitoyltransferase long chain base subunit 3 [Source:HG	chr20:1298	NM_01832	XM_01152	.	.	NP_06079	XP_011527	protein_co	ENSG0000	55304	16253
SPTSSA	11.1034	13.1418	12.583	13.8468	11.8714	12.1364	serine palmitoyltransferase small subunit A [Source:HGNC Symbo	chr14:3490	NM_13828	.	.	.	NP_61214	.	protein_co	ENSG0000	171546	20361
SPTSSB	7.97482	4.62551	3.00574	3.86187	6.79365	7.79506	serine palmitoyltransferase small subunit B [Source:HGNC Symbo	chr3:16106	NM_00104	XM_01700	.	.	NP_00103	XP_016861	protein_co	ENSG0000	165679	24045
SPTY2D1	10.4916	11.0097	10.4259	10.7852	11.4851	10.3595	SPT2 chromatin protein domain containing 1 [Source:HGNC Symb	chr11:1862	NM_19428	XM_01151	.	.	NP_91926	XP_011518	protein_co	ENSG0000	144108	26818
SPTY2D1-AS1	1.36324	0.300537	0.68576	1.7073	0.438298	0.199675	SPTY2D1 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:4412	chr11:1862	.	.	.	.	.	.	protein_co	ENSG0000	.	44122
SPX	0.518235	0.688953	0.17388	0.182752	0.174459	1.07583	spexin hormone [Source:HGNC Symbol;Acc:HGNC:28139]	chr12:2167	NM_03057	.	.	.	NP_08504	.	protein_co	ENSG0000	80763	28139
SPZ1	0	0	0	0	0	0	spermatogenic leucine zipper 1 [Source:HGNC Symbol;Acc:HGNC:	chr5:79615	NM_03256	.	.	.	NP_11595	.	protein_co	ENSG0000	84654	30721
SQLE	39.1992	36.7155	39.5537	32.1242	33.7111	38.9305	squalene epoxidase [Source:HGNC Symbol;Acc:HGNC:11279]	chr8:12601	NM_00312	XM_01151	.	.	NP_00312	XP_011515	protein_co	ENSG0000	6713	11279
SQRDL	17.2654	15.345	13.4311	17.3846	14.8482	12.9004	sulfide quinone reductase-like (yeast) [Source:HGNC Symbol;Acc:	chr15:4587	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	58472	20390
SQSTM1	393.767	416.187	306.874	255.187	213.42	213.925	sequestosome 1 [Source:HGNC Symbol;Acc:HGNC:11280]	chr5:17924	NM_00114	.	.	.	NP_00113	XP_016865	protein_co	ENSG0000	8878	11280
SRA1	21.5367	20.0487	20.2799	27.8957	19.8218	16.8655	steroid receptor RNA activator 1 [Source:HGNC Symbol;Acc:HGN	chr5:13992	NM_00103	.	NR_04558	.	NP_00103	.	protein_co	ENSG0000	10011	11281
SRBD1	9.17633	7.9641	8.77635	9.88784	10.4787	10.4515	S1 RNA binding domain 1 [Source:HGNC Symbol;Acc:HGNC:2552	chr2:45615	NM_01807	XM_01153	.	.	NP_06054	XP_011531	protein_co	ENSG0000	55133	25521
SRC	16.9794	17.6077	16.5628	19.6048	17.8781	14.8552	SRC proto-oncogene, non-receptor tyrosine kinase [Source:HGNC	chr20:3597	NM_00541	XM_01152	.	.	NP_00540	XP_011527	protein_co	ENSG0000	6714	11283
SRCAP	14.307	15.6045	14.2379	8.54536	9.38884	7.1665	Snf2-related CREBBP activator protein [Source:HGNC Symbol;Acc	chr16:3071	NM_00666	.	.	.	NP_00665	.	protein_co	ENSG0000	10847	16974
SRCIN1	1.44175	1.32062	2.43892	0.91753	0.805517	0.900354	SRC kinase signaling inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:	chr17:3668	NM_02524	XM_01702	.	.	NP_07952	XP_016880	protein_co	ENSG0000	80725	29506
SRD5A1	6.31672	7.64226	6.17868	6.61944	6.93877	5.79735	steroid 5 alpha-reductase 1 [Source:HGNC Symbol;Acc:HGNC:112	chr5:66334	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	6715	11284
SRD5A2	0	0	0	0	0	0	steroid 5 alpha-reductase 2 [Source:HGNC Symbol;Acc:HGNC:112	chr2:31747	NM_00034	.	.	.	NP_00033	.	protein_co	ENSG0000	6716	11285
SRD5A3	5.58896	5.34041	5.25221	4.79831	4.22357	5.84385	steroid 5 alpha-reductase 3 [Source:HGNC Symbol;Acc:HGNC:258	chr4:56212	NM_02459	XM_00526	.	.	NP_07886	XP_005265	protein_co	ENSG0000	79644	25812
SREBF1	48.2248	51.2469	58.861	54.323	50.9546	69.3584	sterol regulatory element binding transcription factor 1 [Source:H	chr17:1771	NM_00100	XM_01152	.	.	NP_00100	XP_005256	protein_co	ENSG0000	6720	11289

SREBF2	42.1949	45.8596	62.991	51.0609	50.6678	79.5483	sterol regulatory element binding transcription factor 2 [Source:H	chr22:4222	NM_00459	XM_01153	.	.	NP_00459(	XP_006724	protein_co	ENSG0000(	6721	11290
SREK1	20.3881	22.8799	20.9836	17.1509	18.7354	19.4642	splicing regulatory glutamic acid and lysine rich protein 1 [Source	chr5:6544(	NM_00107	XM_01154	.	.	NP_00107(	XP_005248	protein_co	ENSG0000(	140890	17882
SREK1IP1	6.04472	6.7711	5.96658	4.8326	5.14599	4.18787	SREK1 interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:267	chr5:64013	NM_17382	XM_01154	.	.	NP_77619(	XP_011541	protein_co	ENSG0000(	285672	26716
SRF	18.2309	18.9781	16.4697	20.7203	17.4719	17.3257	serum response factor [Source:HGNC Symbol;Acc:HGNC:11291]	chr6:43139	NM_00313	.	.	.	NP_00312	.	protein_co	ENSG0000(	6722	11291
SRFBP1	5.77132	5.48645	4.83703	5.91058	7.92354	5.18982	serum response factor binding protein 1 [Source:HGNC Symbol;A	chr5:12129	NM_15254	.	.	.	NP_68975	.	protein_co	ENSG0000(	153443	26333
SRGAP1	3.36529	2.98862	3.23077	2.58298	2.95229	3.55371	SLIT-ROBO Rho GTPase activating protein 1 [Source:HGNC Symbo	chr12:6423	NM_02076	XM_01153	.	.	NP_06581	XP_005269	protein_co	ENSG0000(	57522	17382
SRGAP2	8.13866	8.96206	9.25157	9.62353	10.3145	10.8977	SLIT-ROBO Rho GTPase activating protein 2 [Source:HGNC Symbo	chr1:20655	NM_00117	XM_01150	.	.	NP_00116	XP_005277	protein_co	ENSG0000(	23380	19751
SRGAP3	0.989104	0.939637	1.20004	0.998453	1.02282	0.996223	SLIT-ROBO Rho GTPase activating protein 3 [Source:HGNC Symbo	chr3:90222	NM_00103	XM_01700	.	.	NP_00102	XP_011532	protein_co	ENSG0000(	9901	19744
SRGN	0	0.07903	0.064403	0	0	0.071484	serglycin [Source:HGNC Symbol;Acc:HGNC:9361]	chr10:7084	NM_00272	.	.	.	NP_00130	XP_016871	protein_co	ENSG0000(	5552	9361
SRI	71.7937	65.6753	75.9869	76.8616	66.2593	71.5848	sorcin [Source:HGNC Symbol;Acc:HGNC:11292]	chr7:87834	NM_00125	XM_01151	.	.	NP_00124	XP_011514	protein_co	ENSG0000(	6717	11292
SRL	0	0.03813	0.044891	0	0.04262	0.018049	sarcalumenin [Source:HGNC Symbol;Acc:HGNC:11295]	chr16:4239	NM_00109	XM_01702	.	.	NP_00109	XP_016879	protein_co	ENSG0000(	6345	11295
SRM	95.7791	100.572	69.0188	136.792	103.178	64.0653	spermidine synthase [Source:HGNC Symbol;Acc:HGNC:11296]	chr1:11114	NM_00313	.	.	.	NP_00312	.	protein_co	ENSG0000(	6723	11296
SRMS	1.74288	1.86273	1.66043	2.96495	2.41841	1.26909	src-related kinase lacking C-terminal regulatory tyrosine and N-te	chr20:6217	NM_08082	.	.	.	NP_54301	.	protein_co	ENSG0000(	6725	11298
SRP14	198.177	174.463	194.321	208.002	194.318	215.51	signal recognition particle 14 [Source:HGNC Symbol;Acc:HGNC:11	chr15:4032	NM_00313	.	.	.	NP_00312	.	protein_co	ENSG0000(	6727	11299
SRP19	54.3536	46.7377	49.8172	56.9245	64.3749	52.5264	signal recognition particle 19 [Source:HGNC Symbol;Acc:HGNC:11	chr5:11219	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000(	6728	11300
SRP54	34.5197	33.2845	32.4123	30.0399	30.412	32.9643	signal recognition particle 54 [Source:HGNC Symbol;Acc:HGNC:11	chr14:3545	NM_00114	XM_01153	.	.	NP_00113	XP_005268	protein_co	ENSG0000(	6729	11301
SRP68	77.818	76.5099	69.498	96.3976	76.8243	70.1446	signal recognition particle 68 [Source:HGNC Symbol;Acc:HGNC:11	chr17:7403	NM_00126	.	.	.	NP_00124	.	protein_co	ENSG0000(	6730	11302
SRP72	51.6419	52.5624	48.8798	52.7804	57.3047	51.4699	signal recognition particle 72 [Source:HGNC Symbol;Acc:HGNC:11	chr4:57333	NM_00126	.	.	.	NP_00125	.	protein_co	ENSG0000(	6731	11303
SRP9	73.6069	85.2109	78.8267	92.516	99.5207	122.674	signal recognition particle 9 [Source:HGNC Symbol;Acc:HGNC:113	chr1:22596	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000(	6726	11304
SRPK1	37.1206	37.6086	36.6051	43.666	49.6018	42.6614	SRSF protein kinase 1 [Source:HGNC Symbol;Acc:HGNC:11305]	chr6:3580(	NM_00313	.	.	.	NP_00312	.	protein_co	ENSG0000(	6732	11305
SRPK2	11.2342	12.4601	13.5256	12.4883	11.9963	14.1299	SRSF protein kinase 2 [Source:HGNC Symbol;Acc:HGNC:11306]	chr7:10475	NM_00127	XM_01151	.	.	NP_00126	XP_00525(	protein_co	ENSG0000(	6733	11306
SRPK3	0.048378	0.04657	0.034868	4E-222	0.02994	0.029614	SRSF protein kinase 3 [Source:HGNC Symbol;Acc:HGNC:11402]	chrX:15302	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000(	26576	11402
SRPRA	42.6626	47.1574	39.025	37.6375	35.7657	31.3333	SRP receptor alpha subunit [Source:HGNC Symbol;Acc:HGNC:113	chr11:126(	NM_00117	.	.	.	NP_00117	XP_016873	protein_co	ENSG0000(	6734	11307
SRPRB	34.7514	35.2354	31.2717	33.9458	34.6234	26.8518	SRP receptor beta subunit [Source:HGNC Symbol;Acc:HGNC:2408	chr3:1335(	NM_0212(	.	.	.	NP_06702	.	protein_co	ENSG0000(	58477	24085
SRPX	8.73109	10.5325	11.4643	11.4124	10.6046	10.2316	sushi repeat containing protein, X-linked [Source:HGNC Symbol;A	chrX:37208	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000(	8406	11309
SRPX2	1.22796	1.00855	1.33187	0.679963	0.415854	0.477595	sushi repeat containing protein, X-linked 2 [Source:HGNC Symbol	chrX:99899	NM_01446	XM_00526	.	.	NP_05528	XP_005262	protein_co	ENSG0000(	27286	30668
SRR	5.05505	4.54385	5.34982	6.42551	6.51225	9.14052	serine racemase [Source:HGNC Symbol;Acc:HGNC:14398]	chr17:1958	NM_02194	XM_01152	.	.	NP_06876	XP_006721	protein_co	ENSG0000(	63826	14398
SRRD	13.38	13.1825	12.2034	12.4606	11.3465	9.79069	SRR1 domain containing [Source:HGNC Symbol;Acc:HGNC:33910]	chr22:2687	NM_00101	XM_01153	.	.	NP_00101	XP_011528	protein_co	ENSG0000(	402055	33910
SRRM1	37.9535	42.1316	37.4742	43.7771	43.8405	34.4453	serine and arginine repetitive matrix 1 [Source:HGNC Symbol;Acc	chr1:24969	NM_0013(	XM_01700	.	.	NP_00129	XP_005245	protein_co	ENSG0000(	10250	16638
SRRM2	90.5447	95.4948	88.1855	90.7295	92.6754	70.4606	serine/arginine repetitive matrix 2 [Source:HGNC Symbol;Acc:HG	chr16:2802	NM_01633	XM_01152	.	.	NP_05741	XP_005255	protein_co	ENSG0000(	23524	16639
SRRM3	5.6674	6.1531	5.65984	5.75443	4.31188	4.1253	serine/arginine repetitive matrix 3 [Source:HGNC Symbol;Acc:HG	chr7:75831	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000(	222183	26729
SRRM4	0.00887	0.009097	0.007704	0.048913	0.010055	0.046348	serine/arginine repetitive matrix 4 [Source:HGNC Symbol;Acc:HG	chr12:1194	NM_19428	XM_01153	.	.	NP_91926	.	protein_co	ENSG0000(	84530	29389
SRRM5	0.155305	0.022131	0.095273	0.130208	0.075691	0.071321	serine/arginine repetitive matrix 5 [Source:HGNC Symbol;Acc:HG	chr19:441(	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000(	100170229	37248
SRRT	51.0664	49.0722	42.2264	59.6899	53.9122	39.9417	serrate, RNA effector molecule [Source:HGNC Symbol;Acc:HGNC:	chr7:10047	NM_00112	XM_01151	.	.	NP_00112	XP_00525(	protein_co	ENSG0000(	51593	24101
SRSF1	260.93	265.835	215.789	210.681	219.959	193.936	serine and arginine rich splicing factor 1 [Source:HGNC Symbol;A	chr17:5606	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000(	6426	10780
SRSF10	73.8114	69.8987	62.3641	71.5256	73.6519	71.53	serine and arginine rich splicing factor 10 [Source:HGNC Symbol;A	chr1:24291	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000(	10772	16713
SRSF11	59.7256	61.2173	59.9891	59.2586	57.6039	54.9673	serine and arginine rich splicing factor 11 [Source:HGNC Symbol;A	chr1:70671	NM_00119	XM_01154	.	.	NP_00117	XP_005271	protein_co	ENSG0000(	9295	10782
SRSF12	0.052248	0	0	0.090214	0	0	serine and arginine rich splicing factor 12 [Source:HGNC Symbol;A	chr6:89805	NM_08074	XM_01701	.	.	NP_54278	XP_011533	protein_co	ENSG0000(	135295	21220
SRSF2	285.815	291.319	245.207	342.681	304.284	224.812	serine and arginine rich splicing factor 2 [Source:HGNC Symbol;A	chr17:7472	NM_00119	.	NR_03036	.	NP_00118	XP_01688(	protein_co	ENSG0000(	693221	10783
SRSF3	204.944	206.729	162.373	274.848	241.364	187.488	serine and arginine rich splicing factor 3 [Source:HGNC Symbol;A	chr6:36562	NM_00301	.	.	.	NP_00300	.	protein_co	ENSG0000(	6428	10785
SRSF4	40.7842	39.2493	32.3182	43.7092	42.0075	30.4378	serine and arginine rich splicing factor 4 [Source:HGNC Symbol;A	chr1:29474	NM_00562	XM_01154	.	.	NP_00561	XP_01154(	protein_co	ENSG0000(	6429	10786
SRSF5	171.324	181.124	178.99	149.362	139.84	121.995	serine and arginine rich splicing factor 5 [Source:HGNC Symbol;A	chr14:7019	NM_00103	XM_01702	.	.	NP_00103	XP_005268	protein_co	ENSG0000(	6430	10787
SRSF6	110.234	109.33	103.987	124.819	125.934	119.348	serine and arginine rich splicing factor 6 [Source:HGNC Symbol;A	chr20:4208	NM_00627	.	.	.	NP_00626	.	protein_co	ENSG0000(	6431	10788
SRSF7	153.558	154.219	116.294	210.34	180.643	129.096	serine and arginine rich splicing factor 7 [Source:HGNC Symbol;A	chr2:3897(	NM_00103	XM_00526	.	.	NP_00102	XP_005264	protein_co	ENSG0000(	6432	10789
SRSF8	16.4204	16.7945	17.2686	15.2066	13.3443	12.5452	serine and arginine rich splicing factor 8 [Source:HGNC Symbol;A	chr11:948(	NM_0321(	.	.	.	NP_11528	XP_016872	protein_co	ENSG0000(	10929	16988
SRSF9	185.555	180.888	190.891	221.3	206.77	198.744	serine and arginine rich splicing factor 9 [Source:HGNC Symbol;A	chr12:1208	NM_00376	.	.	.	NP_00376	.	protein_co	ENSG0000(	8683	10791
SRXN1	92.3451	90.0058	65.3706	85.6957	85.7497	92.1752	sulfiredoxin 1 [Source:HGNC Symbol;Acc:HGNC:16132]	chr20:6272	NM_08072	.	.	.	NP_54276	.	protein_co	ENSG0000(	140809	16132
SRY	0	0	0	0	0	0	sex determining region Y [Source:HGNC Symbol;Acc:HGNC:11311]	chrY:26548	NM_00314	.	.	.	NP_00313	.	protein_co	ENSG0000(	6736	11311
SS18	31.8558	32.0942	31.5703	33.518	36.1504	28.8892	SS18, nBAF chromatin remodeling complex subunit [Source:HGN(	chr18:2359	NM_0010(	XM_01152	.	.	NP_00100	XP_005258	protein_co	ENSG0000(	6760	11340
SS18L1	8.67289	8.09931	9.6111	7.36346	9.78795	6.8828	SS18L1, nBAF chromatin remodeling complex subunit [Source:HG	chr20:6071	NM_0013(	XM_01152	.	.	NP_00128	XP_00526(	protein_co	ENSG0000(	26039	15592
SS18L2	31.3905	24.6171	30.0258	28.925	32.2809	28.3008	SS18 like 2 [Source:HGNC Symbol;Acc:HGNC:15593]	chr3:42589	NM_0163(	XM_01153	.	.	NP_05738	XP_011532	protein_co	ENSG0000(	51188	15593
SSB	73.4036	72.0463	74.3799	73.0625	79.9409	71.8462	Sjogren syndrome antigen B [Source:HGNC Symbol;Acc:HGNC:11	chr2:17065	NM_00129	.	.	.	NP_00128	.	protein_co	ENSG0000(	6741	11316
SSBP1	187.839	165.553	154.827	199.5	180.599	160.55	single stranded DNA binding protein 1 [Source:HGNC Symbol;Acc	chr7:14143	NM_00125	XM_00525	.	.	NP_00124	XP_00525(	protein_co	ENSG0000(	6742	11317
SSBP2	0.835643	0.472352	1.25236	1.142	1.12619	2.70105	single stranded DNA binding protein 2 [Source:HGNC Symbol;Acc	chr5:80708	NM_00125	XM_01700	.	.	NP_00124	XP_011541	protein_co	ENSG0000(	23635	15831
SSBP3	18.072	18.8282	15.4331	18.5369	16.4705	14.7377	single stranded DNA binding protein 3 [Source:HGNC Symbol;Acc	chr1:54665	NM_0010(	XM_01700	.	.	NP_00100	XP_00671(	protein_co	ENSG0000(	23648	15674
SSBP4	42.9498	41.0538	42.8591	54.42	46.2025	50.7912	single stranded DNA binding protein 4 [Source:HGNC Symbol;Acc	chr19:1853	NM_0010(	XM_01152	.	.	NP_00100	XP_005259	protein_co	ENSG0000(	170463	15676
SSC4D	0.776926	0.519757	0.878884	0.599377	0.28928	0.616151	scavenger receptor cysteine rich family member with 4 domains [	chr7:76018	NM_08074	.	.	.	NP_54278	.	protein_co	ENSG0000(	136853	14461
SSC5D	0.091317	0.089351	0.181067	0.144529	0.243226	0.310056	scavenger receptor cysteine rich family member with 5 domains [	chr19:5599	NM_00114	XM_01152	.	.	NP_00113	.	protein_co	ENSG0000(	284297	26641
SSFA2	215.347	228.964	256.494	309.082	315.129	395.331	sperm specific antigen 2 [Source:HGNC Symbol;Acc:HGNC:11319]	chr2:18275	NM_00113	XM_01151	.	.	NP_00112	XP_005246	protein_co	ENSG0000(	6744	11319

SSH1	15.6137	15.5429	20.1588	15.1553	16.2098	18.325	slingshot protein phosphatase 1 [Source:HGNC Symbol;Acc:HGNC	chr12:1091	NM_00116	XM_01153	.	.	NP_00115	XP_005269	protein_co	ENSG0000	54434	30579
SSH2	9.5262	8.09085	7.83855	9.5637	10.2237	9.31394	slingshot protein phosphatase 2 [Source:HGNC Symbol;Acc:HGNC	chr17:2795	NM_00128	XM_01702	.	.	NP_00126	XP_005258	protein_co	ENSG0000	85464	30580
SSH3	10.5673	12.006	15.4936	11.1654	9.96043	12.3263	slingshot protein phosphatase 3 [Source:HGNC Symbol;Acc:HGNC	chr11:6707	NM_01785	XM_01701	.	.	NP_06032	XP_016873	protein_co	ENSG0000	54961	30581
SSMEM1	0	0	0	0	0	0.057807	serine rich single-pass membrane protein 1 [Source:HGNC Symbo	chr7:12984	NM_14526	.	.	.	NP_66031	.	protein_co	ENSG0000	136263	29580
SSNA1	74.1811	63.255	52.7264	91.0016	71.1303	46.125	SS nuclear autoantigen 1 [Source:HGNC Symbol;Acc:HGNC:11321	chr9:14008	NM_00373	.	.	.	NP_00372	.	protein_co	ENSG0000	8636	11321
SSPN	0	0.040088	0.032487	0.253687	0.02434	0.021207	sarcospan [Source:HGNC Symbol;Acc:HGNC:11322]	chr12:2628	NM_00113	XM_01152	.	.	NP_00112	XP_011519	protein_co	ENSG0000	8082	11322
SSPO	0.042633	0.047059	0.247543	0.057514	0.079148	0.083334	SCO-spondin [Source:HGNC Symbol;Acc:HGNC:21998]	chr7:14947	NM_19845	.	.	.	NP_94085	.	protein_co	ENSG0000	23145	21998
SSR1	64.6613	63.0539	56.3614	65.2193	78.5177	69.9602	signal sequence receptor subunit 1 [Source:HGNC Symbol;Acc:HG	chr6:72685	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	6745	11323
SSR2	191.657	192.464	165.864	221.374	164.362	167.733	signal sequence receptor subunit 2 [Source:HGNC Symbol;Acc:HG	chr1:15597	NM_00314	XM_01150	.	.	NP_00313	XP_011508	protein_co	ENSG0000	6746	11324
SSR3	90.8834	89.1159	83.4916	96.2211	109.275	101.244	signal sequence receptor subunit 3 [Source:HGNC Symbol;Acc:HG	chr3:15625	NM_00130	XM_01151	.	.	NP_00129	XP_011511	protein_co	ENSG0000	6747	11325
SSR4	212.475	187.056	154.677	227.811	165.689	145.17	signal sequence receptor subunit 4 [Source:HGNC Symbol;Acc:HG	chrX:15305	NM_00120	XM_01153	.	.	NP_00119	XP_011529	protein_co	ENSG0000	6748	11326
SSRP1	135.764	137.037	105.393	156.374	141.811	113.884	structure specific recognition protein 1 [Source:HGNC Symbol;Ac	chr11:5709	NM_00314	XM_01154	.	.	NP_00313	.	protein_co	ENSG0000	6749	11327
SSSCA1	77.4059	69.9003	53.6044	82.0375	53.9214	34.9315	Sjogren syndrome/scleroderma autoantigen 1 [Source:HGNC Sym	chr11:6533	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	10534	11328
SST	0	0	0	0	0	0.181269	somatostatin [Source:HGNC Symbol;Acc:HGNC:11329]	chr3:18738	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	6750	11329
SSTR1	0	0	0	0	0	0	somatostatin receptor 1 [Source:HGNC Symbol;Acc:HGNC:11330]	chr14:3867	NM_00104	.	.	.	NP_00104	.	protein_co	ENSG0000	6751	11330
SSTR2	0.028716	0	0	0	0	0	somatostatin receptor 2 [Source:HGNC Symbol;Acc:HGNC:11331]	chr17:7116	NM_00105	.	.	.	NP_00104	.	protein_co	ENSG0000	6752	11331
SSTR3	0	0	0	0	0	0.038504	somatostatin receptor 3 [Source:HGNC Symbol;Acc:HGNC:11332]	chr22:3760	NM_00105	XM_01153	.	.	NP_00104	XP_005261	protein_co	ENSG0000	6753	11332
SSTR4	0	0	0	0	0	0	somatostatin receptor 4 [Source:HGNC Symbol;Acc:HGNC:11333]	chr20:2301	NM_00105	.	.	.	NP_00104	.	protein_co	ENSG0000	6754	11333
SSTR5	4.40372	5.27729	7.08417	6.14255	4.26173	6.39518	somatostatin receptor 5 [Source:HGNC Symbol;Acc:HGNC:11334]	chr16:1128	NM_00105	XM_00672	.	.	NP_00104	XP_006720	protein_co	ENSG0000	6755	11334
SSU72	77.2833	75.7044	69.7188	88.073	76.9383	74.2567	SSU72 homolog, RNA polymerase II CTD phosphatase [Source:HG	chr1:14770	NM_01418	.	.	.	NP_05490	.	protein_co	ENSG0000	29101	25016
SSUH2	0.279965	0.460276	0.152373	0.050786	0.21322	0.098943	ssu-2 homolog (C. elegans) [Source:HGNC Symbol;Acc:HGNC:248	chr3:86610	NM_00125	XM_01700	.	.	NP_00124	XP_016862	protein_co	ENSG0000	51066	24809
SSX1	0	0	0.042579	0.27077	0.054146	0.196375	SSX family member 1 [Source:HGNC Symbol;Acc:HGNC:11335]	chrX:48114	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	6756	11335
SSX2	0	0	0	0	0	0	SSX family member 2 [Source:HGNC Symbol;Acc:HGNC:11336]	chrX:52725	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	6757	11336
SSX2B	0	0	0	0	0	0	SSX family member 2B [Source:HGNC Symbol;Acc:HGNC:22263]	chrX:52780	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	727837	22263
SSX2IP	17.7832	16.6849	16.003	18.3194	26.1735	25.3724	SSX family member 2 interacting protein [Source:HGNC Symbol;A	chr1:85109	NM_00116	XM_01700	.	.	NP_00115	XP_005270	protein_co	ENSG0000	117178	16509
SSX3	0	0	0	0	0	0	SSX family member 3 [Source:HGNC Symbol;Acc:HGNC:11337]	chrX:48205	NM_02101	XM_01154	.	.	NP_06629	XP_011542	protein_co	ENSG0000	10214	11337
SSX4	0	0	0	0	0	0	SSX family member 4 [Source:HGNC Symbol;Acc:HGNC:11338]	chrX:48242	NM_00563	XM_01702	.	.	NP_00562	XP_016885	protein_co	ENSG0000	548313	11338
SSX4B	0	0	0	0	0	0	SSX family member 4B [Source:HGNC Symbol;Acc:HGNC:16880]	chrX:48261	NM_00103	XM_01702	.	.	NP_00103	XP_016885	protein_co	ENSG0000	548313	16880
SSX5	0	0	0	0	0	0	SSX family member 5 [Source:HGNC Symbol;Acc:HGNC:11339]	chrX:48045	NM_02101	XM_01154	.	.	NP_06629	XP_011542	protein_co	ENSG0000	6758	11339
SSX7	0	0	0	0	0	0	SSX family member 7 [Source:HGNC Symbol;Acc:HGNC:19653]	chrX:52673	NM_17335	.	.	.	NP_77549	.	protein_co	ENSG0000	280658	19653
ST13	106.249	113.262	109.398	123.986	115.309	103.04	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 intera	chr22:4122	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	6767	11343
ST14	62.9307	63.3685	54.1317	73.4809	66.6363	61.9925	suppression of tumorigenicity 14 [Source:HGNC Symbol;Acc:HGN	chr11:1300	NM_02197	.	.	.	NP_06881	.	protein_co	ENSG0000	6768	11344
ST18	0	0	0	0	0	0	ST18, C2H2C-type zinc finger [Source:HGNC Symbol;Acc:HGNC:18	chr8:53023	NM_01468	XM_01151	.	.	NP_05549	XP_006716	protein_co	ENSG0000	9705	18695
ST20	4.51813	2.98889	3.06511	4.1659	2.37035	1.68959	suppressor of tumorigenicity 20 [Source:HGNC Symbol;Acc:HGNC	chr15:8013	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	400410	33520
ST20-MTHFS	0.7269	2.1963	0.932248	1.1733	0.776182	0.674805	ST20-MTHFS readthrough [Source:HGNC Symbol;Acc:HGNC:4465	chr15:8013	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100528021	44655
ST3GAL1	4.48503	4.67831	5.22065	4.93784	5.34916	6.08512	ST3 beta-galactoside alpha-2,3-sialyltransferase 1 [Source:HGNC	chr8:13446	NM_00303	XM_01151	.	.	NP_00302	XP_005251	protein_co	ENSG0000	6482	10862
ST3GAL2	5.47622	5.97449	5.45041	5.44837	5.09959	4.44853	ST3 beta-galactoside alpha-2,3-sialyltransferase 2 [Source:HGNC	chr16:7040	NM_00692	.	.	.	NP_00885	.	protein_co	ENSG0000	6483	10863
ST3GAL3	1.41378	1.22901	1.45246	2.37687	1.29321	1.86906	ST3 beta-galactoside alpha-2,3-sialyltransferase 3 [Source:HGNC	chr1:44173	NM_00127	XM_01154	.	.	NP_00125	XP_006710	protein_co	ENSG0000	6487	10866
ST3GAL4	7.60598	6.84799	6.62169	6.93351	6.61274	6.78032	ST3 beta-galactoside alpha-2,3-sialyltransferase 4 [Source:HGNC	chr11:1262	NM_00125	XM_01701	.	.	NP_00124	XP_016873	protein_co	ENSG0000	6484	10864
ST3GAL5	3.39754	2.92035	5.37738	3.76944	2.69775	4.17722	ST3 beta-galactoside alpha-2,3-sialyltransferase 5 [Source:HGNC	chr2:86066	NM_00104	XM_01700	.	.	NP_00103	XP_005264	protein_co	ENSG0000	8869	10872
ST3GAL6	2.64057	3.08147	3.30887	3.6816	5.6494	6.40256	ST3 beta-galactoside alpha-2,3-sialyltransferase 6 [Source:HGNC	chr3:98451	NM_00127	XM_00671	.	.	NP_00125	XP_005247	protein_co	ENSG0000	10402	18080
ST5	2.75431	1.80664	2.21684	2.88555	1.36355	2.33933	suppression of tumorigenicity 5 [Source:HGNC Symbol;Acc:HGNC	chr11:8714	NM_00541	XM_01701	.	.	NP_00540	XP_005253	protein_co	ENSG0000	6764	11350
ST6GAL1	7.35774	7.05786	7.56776	5.78003	6.2798	7.74471	ST6 beta-galactoside alpha-2,6-sialyltransferase 1 [Source:HGNC	chr3:18664	NM_00303	XM_01151	.	.	NP_00302	XP_005247	protein_co	ENSG0000	6480	10860
ST6GAL2	0	0	0	0	0	0	ST6 beta-galactoside alpha-2,6-sialyltransferase 2 [Source:HGNC	chr2:10741	NM_00114	XM_01151	.	.	NP_00113	XP_006712	protein_co	ENSG0000	84620	10861
ST6GALNAC1	0	0.315561	0	0	0	0.025816	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 1 [Source	chr17:7462	NM_00128	.	.	.	NP_00127	XP_016880	protein_co	ENSG0000	55808	23614
ST6GALNAC2	3.76292	3.55993	5.0293	7.12325	6.06203	9.69625	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 2 [Source	chr17:7456	NM_00645	XM_00525	.	.	NP_00644	XP_005257	protein_co	ENSG0000	10610	10867
ST6GALNAC3	0.463594	0.205382	0.678807	1.04202	1.22668	1.35045	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 3 [Source	chr1:76540	NM_15299	.	.	.	NP_69454	XP_006710	protein_co	ENSG0000	256435	19343
ST6GALNAC4	28.8318	26.3047	24.6381	24.4302	21.9597	16.2402	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 4 [Source	chr9:13067	NM_17503	XM_01151	.	.	NP_77820	XP_011516	protein_co	ENSG0000	27090	17846
ST6GALNAC5	0.663698	0.952708	0.572499	0.777637	0.553677	0.89291	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 5 [Source	chr1:77333	NM_03096	.	.	.	NP_11222	.	protein_co	ENSG0000	81849	19342
ST6GALNAC6	17.7159	16.0024	20.4722	20.9428	16.6874	13.9531	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 6 [Source	chr9:13064	NM_00128	XM_01701	NR_10462	.	NP_00127	XP_011516	protein_co	ENSG0000	30815	23364
ST7	8.82962	9.21228	5.9923	8.50009	8.65733	7.83199	suppression of tumorigenicity 7 [Source:HGNC Symbol;Acc:HGNC	chr7:11659	NM_01841	.	NR_00233	.	NP_06088	.	protein_co	ENSG0000	102466616	11351
ST7L	2.43994	2.40344	1.8958	2.08583	2.33084	2.48226	suppression of tumorigenicity 7 like [Source:HGNC Symbol;Acc:H	chr1:11300	NM_00130	XM_01700	.	.	NP_00129	XP_005271	protein_co	ENSG0000	54879	18441
ST8SIA1	0	0	0	0	0	0	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 1 [So	chr12:2234	NM_00303	.	.	.	NP_00302	.	protein_co	ENSG0000	6489	10869
ST8SIA2	0	0	0	0	0	0	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 2 [So	chr15:9293	NM_00601	XM_01702	.	.	NP_00600	XP_016878	protein_co	ENSG0000	8128	10870
ST8SIA3	0	0	0.00598	0	0	0	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 3 [So	chr18:5501	NM_01587	.	.	.	NP_05696	.	protein_co	ENSG0000	51046	14269
ST8SIA4	0	0	0	0	0	0	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 4 [So	chr5:10014	NM_00566	.	.	.	NP_00565	.	protein_co	ENSG0000	7903	10871
ST8SIA5	0.114943	0.119162	0.027745	0.065005	0.142017	0.068211	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 5 [So	chr18:4424	NM_00130	XM_01152	.	.	NP_00129	XP_005258	protein_co	ENSG0000	29906	17827
ST8SIA6	0.600692	0.641494	0.831675	0.320074	0.353725	0.548156	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 6 [So	chr10:1736	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	338596	23317
STAB1	0	0.01037	0.026998	0.01124	0.012403	0	stabilin 1 [Source:HGNC Symbol;Acc:HGNC:18628]	chr3:52529	NM_01513	XM_01153	.	.	NP_05595	XP_005265	protein_co	ENSG0000	23166	18628

STAB2	0	0	0.006552	0	0	0	stabilin 2 [Source:HGNC Symbol;Acc:HGNC:18629]	chr12:1039	NM_01756	XM_01153	.	.	NP_06003	XP_01153	protein_co	ENSG0000	55576	18629
STAC	0	0	0	0	0	0	SH3 and cysteine rich domain [Source:HGNC Symbol;Acc:HGNC:1	chr3:3642	NM_00129	XM_01153	.	.	NP_00127	XP_01153	protein_co	ENSG0000	6769	11353
STAC2	0	0	0.018416	0.045679	0	0.116303	SH3 and cysteine rich domain 2 [Source:HGNC Symbol;Acc:HGNC	chr17:3736	NM_19899	XM_01702	.	.	NP_94534	XP_01688	protein_co	ENSG0000	342667	23990
STAC3	1.22906	0.861281	1.3093	3.41667	2.72697	3.34528	SH3 and cysteine rich domain 3 [Source:HGNC Symbol;Acc:HGNC	chr12:5763	NM_00128	XM_01153	.	.	NP_00127	XP_01153	protein_co	ENSG0000	246329	28423
STAG1	9.39257	10.3695	6.41667	8.97287	10.0255	8.31446	stromal antigen 1 [Source:HGNC Symbol;Acc:HGNC:11354]	chr3:13596	NM_00586	XM_01151	.	.	NP_00585	XP_01151	protein_co	ENSG0000	10274	11354
STAG2	19.0681	17.2841	17.9666	16.4904	20.7144	26.2558	stromal antigen 2 [Source:HGNC Symbol;Acc:HGNC:11355]	chrX:12309	NM_00104	XM_01153	.	.	NP_00103	XP_00526	protein_co	ENSG0000	10735	11355
STAG3	0.098967	0.086128	0.089714	0.121798	0.131508	0.174646	stromal antigen 3 [Source:HGNC Symbol;Acc:HGNC:11356]	chr7:99775	NM_00128	XM_01701	.	.	NP_00126	XP_01151	protein_co	ENSG0000	10734	11356
STAM	11.8661	12.6692	12.7205	12.2156	11.9725	11.1485	signal transducing adaptor molecule [Source:HGNC Symbol;Acc:H	chr10:1768	NM_00347	XM_01151	.	.	NP_00131	XP_01151	protein_co	ENSG0000	8027	11357
STAM2	5.41737	5.35236	4.33966	4.7466	6.05135	6.23642	signal transducing adaptor molecule 2 [Source:HGNC Symbol;Acc	chr2:15297	NM_00584	.	.	.	NP_00583	.	protein_co	ENSG0000	10254	11358
STAMBP	18.5377	21.5755	18.0404	23.345	16.8497	15.9493	STAM binding protein [Source:HGNC Symbol;Acc:HGNC:16950]	chr2:74056	NM_00646	XM_01700	.	.	NP_00645	XP_00526	protein_co	ENSG0000	10617	16950
STAMBPL1	8.47256	6.96926	6.76937	7.89341	6.91086	8.72419	STAM binding protein like 1 [Source:HGNC Symbol;Acc:HGNC:241	chr10:9063	NM_02079	XM_01153	.	.	NP_06585	XP_00671	protein_co	ENSG0000	57559	24105
STAP1	0	0	0	0	0	0	signal transducing adaptor family member 1 [Source:HGNC Symb	chr4:68424	NM_00131	XM_00671	.	.	NP_00130	XP_00671	protein_co	ENSG0000	26228	24133
STAP2	0.656427	0.568583	0.707135	0.329527	0.767455	0.341147	signal transducing adaptor family member 2 [Source:HGNC Symb	chr19:4324	NM_00101	XM_01152	.	.	NP_00101	XP_01152	protein_co	ENSG0000	55620	30430
STAR	0	0.03812	0.065686	0	0.043684	0.040585	steroidogenic acute regulatory protein [Source:HGNC Symbol;Acc	chr8:38001	NM_00034	XM_00671	.	.	NP_00034	XP_00671	protein_co	ENSG0000	6770	11359
STARD10	22.7337	18.8675	22.6477	25.017	16.3455	21.6762	StAR related lipid transfer domain containing 10 [Source:HGNC S	chr11:7239	NM_00664	.	.	.	NP_00663	.	protein_co	ENSG0000	10809	10666
STARD13	0.784454	0.355528	0.226431	0.573862	0.498711	0.181808	StAR related lipid transfer domain containing 13 [Source:HGNC S	chr13:3367	NM_05285	XM_01702	.	.	NP_00123	XP_01153	protein_co	ENSG0000	90627	19164
STARD3	24.574	25.6046	23.5404	27.2479	22.7753	21.3042	StAR related lipid transfer domain containing 3 [Source:HGNC Sy	chr17:3779	NM_00116	XM_01152	.	.	NP_00115	XP_00672	protein_co	ENSG0000	10948	17579
STARD3NL	29.7232	27.8415	24.3013	30.18	28.8203	34.6951	STARD3 N-terminal like [Source:HGNC Symbol;Acc:HGNC:19169]	chr7:38217	NM_03201	XM_01151	.	.	NP_11440	XP_00524	protein_co	ENSG0000	83930	19169
STARD4	15.6053	19.0105	21.2554	20.9205	25.6421	34.305	StAR related lipid transfer domain containing 4 [Source:HGNC Sy	chr5:11083	NM_00130	XM_01700	.	.	NP_00129	XP_00527	protein_co	ENSG0000	134429	18058
STARD5	0.585265	0.672939	0.766397	0.577383	0.696353	0.602828	StAR related lipid transfer domain containing 5 [Source:HGNC Sy	chr15:8148	NM_18190	.	.	.	NP_87162	.	protein_co	ENSG0000	80765	18065
STARD6	0.359654	0.063309	0.388226	0.067387	0	0.058086	StAR related lipid transfer domain containing 6 [Source:HGNC Sy	chr18:5185	NM_13917	XM_01152	.	.	NP_63191	XP_01152	protein_co	ENSG0000	147323	18066
STARD7	94.2434	96.8983	90.1048	92.8814	102.496	91.4587	StAR related lipid transfer domain containing 7 [Source:HGNC Sy	chr2:96850	NM_02015	XM_01151	.	.	NP_06453	XP_01150	protein_co	ENSG0000	56910	18063
STARD8	1.79773	1.77032	1.77635	3.63649	3.20748	2.66152	StAR related lipid transfer domain containing 8 [Source:HGNC Sy	chrX:67867	NM_00114	XM_01153	.	.	NP_00113	XP_00526	protein_co	ENSG0000	9754	19161
STARD9	1.56954	1.52433	1.80331	1.25984	1.27164	1.25663	StAR related lipid transfer domain containing 9 [Source:HGNC Sy	chr15:4286	NM_02075	XM_01702	.	.	NP_06581	XP_01152	protein_co	ENSG0000	57519	19162
STAT1	30.108	31.0688	30.8897	26.7705	28.115	31.4044	signal transducer and activator of transcription 1 [Source:HGNC S	chr2:19183	NM_00731	XM_00671	.	.	NP_00933	XP_00671	protein_co	ENSG0000	6772	11362
STAT2	9.00759	8.24421	11.4734	6.66017	6.57919	7.66159	signal transducer and activator of transcription 2 [Source:HGNC S	chr12:5673	NM_00541	XM_01153	.	.	NP_00541	XP_00526	protein_co	ENSG0000	6773	11363
STAT3	15.9222	16.6954	24.4203	14.907	16.0582	17.7825	signal transducer and activator of transcription 3 [Source:HGNC S	chr17:4046	NM_00315	XM_01702	.	.	NP_00314	XP_00525	protein_co	ENSG0000	6774	11364
STAT4	0.986883	1.06816	1.47462	0.975525	1.26598	1.6632	signal transducer and activator of transcription 4 [Source:HGNC S	chr2:19189	NM_00124	XM_01151	.	.	NP_00123	XP_00671	protein_co	ENSG0000	6775	11365
STAT5A	0.023611	0	0.020354	0	0	0	signal transducer and activator of transcription 5A [Source:HGNC	chr17:4043	NM_00128	XM_00525	.	.	NP_00127	XP_00525	protein_co	ENSG0000	6776	11366
STAT5B	2.13649	2.18317	2.02503	1.5444	1.92867	1.7055	signal transducer and activator of transcription 5B [Source:HGNC	chr17:4035	NM_01244	XM_01702	.	.	NP_03658	XP_01688	protein_co	ENSG0000	6777	11367
STAT6	14.3364	15.0052	17.2433	14.3773	15.3853	14.4441	signal transducer and activator of transcription 6 [Source:HGNC S	chr12:5748	NM_00117	XM_01153	.	.	NP_00117	XP_00671	protein_co	ENSG0000	6778	11368
STATH	0	0	0	0	0	0	statherin [Source:HGNC Symbol;Acc:HGNC:11369]	chr4:70861	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	6779	11369
STAU1	43.9345	46.2895	43.3482	51.7848	50.9067	46.8938	staufen double-stranded RNA binding protein 1 [Source:HGNC Sy	chr20:4772	NM_00103	XM_01152	.	.	NP_00103	XP_00526	protein_co	ENSG0000	6780	11370
STAU2	11.0209	12.1707	15.514	12.1093	13.8392	17.3158	staufen double-stranded RNA binding protein 2 [Source:HGNC Sy	chr8:74332	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	27067	11371
STBD1	7.45067	7.40086	5.98621	6.48153	7.60406	6.75172	starch binding domain 1 [Source:HGNC Symbol;Acc:HGNC:24854]	chr4:77135	NM_00394	.	.	.	NP_00393	.	protein_co	ENSG0000	8987	24854
STC1	0.08361	0.087874	0.162773	0.117278	0.105741	0.187738	stanniocalcin 1 [Source:HGNC Symbol;Acc:HGNC:11373]	chr8:23699	NM_00315	.	.	.	NP_00314	.	protein_co	ENSG0000	6781	11373
STC2	26.7961	29.2713	13.7324	12.343	15.012	34.9944	stanniocalcin 2 [Source:HGNC Symbol;Acc:HGNC:11374]	chr5:17274	NM_00371	.	.	.	NP_00370	.	protein_co	ENSG0000	8614	11374
STEAP1	32.3731	32.1513	28.2948	15.674	17.4974	21.9296	STEAP family member 1 [Source:HGNC Symbol;Acc:HGNC:11378]	chr7:89783	NM_01244	.	.	.	NP_03658	.	protein_co	ENSG0000	26872	11378
STEAP1B	0.608238	0.29117	0.330904	0.150073	0.433935	0.298218	STEAP family member 1B [Source:HGNC Symbol;Acc:HGNC:41907	chr7:22459	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	256227	41907
STEAP2	8.40056	8.39261	8.15974	4.6776	6.29616	6.76449	STEAP2 metalloreductase [Source:HGNC Symbol;Acc:HGNC:1788	chr7:89840	NM_00104	XM_01701	.	.	NP_00103	XP_00671	protein_co	ENSG0000	261729	17885
STEAP3	22.2406	23.8906	21.1365	20.6115	19.0325	13.2955	STEAP3 metalloreductase [Source:HGNC Symbol;Acc:HGNC:2459	chr2:11998	NM_00100	XM_01151	.	.	NP_00100	XP_00671	protein_co	ENSG0000	55240	24592
STEAP4	0.037939	0.147838	0.097089	0.17303	0.185423	0.502611	STEAP4 metalloreductase [Source:HGNC Symbol;Acc:HGNC:2192	chr7:87900	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	79689	21923
STH	0.235016	0	0	0	0	0	saitohin [Source:HGNC Symbol;Acc:HGNC:18839]	chr17:4397	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	246744	18839
STIL	14.2368	14.8246	13.326	18.7764	22.7236	21.8085	SCL/TAL1 interrupting locus [Source:HGNC Symbol;Acc:HGNC:108	chr1:47715	NM_00104	XM_01700	.	.	NP_00104	XP_00671	protein_co	ENSG0000	6491	10879
STIM1	7.12579	8.20266	9.46203	9.6945	8.92401	10.1371	stromal interaction molecule 1 [Source:HGNC Symbol;Acc:HGNC:	chr11:3876	NM_00127	.	NR_03983	.	NP_00126	.	protein_co	ENSG0000	100616453	11386
STIM2	12.3905	12.6507	12.411	12.0984	14.0291	15.9664	stromal interaction molecule 2 [Source:HGNC Symbol;Acc:HGNC:	chr4:26862	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	57620	19205
STIP1	184.423	188.86	137.592	259.559	219.784	153.529	stress induced phosphoprotein 1 [Source:HGNC Symbol;Acc:HGN	chr11:6395	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	10963	11387
STK10	5.81565	6.04541	5.48182	5.79522	5.63113	5.55672	serine/threonine kinase 10 [Source:HGNC Symbol;Acc:HGNC:113	chr5:17146	NM_00599	XM_01700	.	.	NP_00598	XP_01686	protein_co	ENSG0000	6793	11388
STK11	39.9587	37.9482	38.9194	47.3115	38.475	36.871	serine/threonine kinase 11 [Source:HGNC Symbol;Acc:HGNC:113	chr19:1205	NM_00045	XM_01152	.	.	NP_00044	XP_00525	protein_co	ENSG0000	6794	11389
STK11IP	7.01766	6.9708	7.00665	6.96512	6.15732	4.94697	serine/threonine kinase 11 interacting protein [Source:HGNC Sym	chr2:22046	NM_05290	XM_01151	.	.	NP_44313	XP_01150	protein_co	ENSG0000	114790	19184
STK16	25.7943	24.7433	26.3387	21.8164	19.9861	18.6904	serine/threonine kinase 16 [Source:HGNC Symbol;Acc:HGNC:113	chr2:22009	NM_00100	XM_01151	.	.	NP_00100	XP_01151	protein_co	ENSG0000	8576	11394
STK17A	7.75173	7.04366	9.85446	8.28345	10.9313	10.1772	serine/threonine kinase 17a [Source:HGNC Symbol;Acc:HGNC:11	chr7:43622	NM_00476	.	.	.	NP_00475	.	protein_co	ENSG0000	9263	11395
STK17B	3.97093	4.48589	4.02867	6.19747	5.75086	7.60571	serine/threonine kinase 17b [Source:HGNC Symbol;Acc:HGNC:11	chr2:19699	NM_00422	XM_01151	.	.	NP_00421	XP_01151	protein_co	ENSG0000	9262	11396
STK19	4.43277	5.29694	3.99049	4.01395	4.59226	5.1051	serine/threonine kinase 19 [Source:HGNC Symbol;Acc:HGNC:113	chr6:31937	NM_00419	.	NR_02671	.	NP_00418	.	protein_co	ENSG0000	8859	11398
STK24	46.1074	44.3603	37.1061	45.3027	44.9443	52.328	serine/threonine kinase 24 [Source:HGNC Symbol;Acc:HGNC:114	chr13:9879	NM_00103	XM_00525	.	.	NP_00102	XP_00525	protein_co	ENSG0000	8428	11403
STK25	45.669	44.8255	47.0579	46.4198	40.4044	36.571	serine/threonine kinase 25 [Source:HGNC Symbol;Acc:HGNC:114	chr2:24229	NM_00127	XM_01151	.	.	NP_00125	XP_01150	protein_co	ENSG0000	10494	11404
STK26	14.0219	19.2095	16.5255	18.8072	20.3882	17.6589	serine/threonine protein kinase 26 [Source:HGNC Symbol;Acc:HG	chrX:13115	NM_00104	XM_01153	.	.	NP_00103	XP_01152	protein_co	ENSG0000	51765	18174
STK3	11.6225	12.5499	16.5145	12.4797	13.2912	21.5544	serine/threonine kinase 3 [Source:HGNC Symbol;Acc:HGNC:1140	chr8:99466	NM_00125	XM_01151	.	.	NP_00124	XP_01151	protein_co	ENSG0000	6788	11406
STK31	0	0	0.069789	0	0.024015	0.021153	serine/threonine kinase 31 [Source:HGNC Symbol;Acc:HGNC:114	chr7:23749	NM_00126	XM_01151	.	.	NP_00124	XP_00671	protein_co	ENSG0000	56164	11407

STK32A	0.262029	0.221922	0.157596	0.740057	0.700725	1.05326	serine/threonine kinase 32A [Source:HGNC Symbol;Acc:HGNC:28	chr5:14661	NM_00111	XM_01153	.	.	NP_00110	XP_011535	protein_co	ENSG0000	202374	28317
STK32B	0.022723	0	0	0	0	0.023461	serine/threonine kinase 32B [Source:HGNC Symbol;Acc:HGNC:14	chr4:50531	NM_00130	XM_01151	.	.	NP_00129	XP_006713	protein_co	ENSG0000	55351	14217
STK32C	5.48446	5.32378	6.7625	3.99346	5.02239	6.46583	serine/threonine kinase 32C [Source:HGNC Symbol;Acc:HGNC:21	chr10:1340	NM_00131	XM_01153	NR_13491	.	NP_00130	XP_011537	protein_co	ENSG0000	282974	21332
STK33	4.40486	3.34822	3.27946	4.72559	4.25903	3.6685	serine/threonine kinase 33 [Source:HGNC Symbol;Acc:HGNC:145	chr11:8413	NM_00128	XM_01152	.	.	NP_00127	XP_011518	protein_co	ENSG0000	65975	14568
STK35	16.1804	17.7098	16.3913	18.0895	18.7716	17.2577	serine/threonine kinase 35 [Source:HGNC Symbol;Acc:HGNC:162	chr20:2082	NM_08083	.	.	.	NP_54302	.	protein_co	ENSG0000	140901	16254
STK36	5.80843	5.60817	6.62357	5.69794	5.65466	4.26833	serine/threonine kinase 36 [Source:HGNC Symbol;Acc:HGNC:172	chr2:21952	NM_00124	XM_01700	.	.	NP_00123	XP_005246	protein_co	ENSG0000	27148	17209
STK38	15.3041	16.1642	14.4838	14.7513	17.9738	16.2996	serine/threonine kinase 38 [Source:HGNC Symbol;Acc:HGNC:178	chr6:36461	NM_00130	XM_01151	.	.	NP_00129	XP_005248	protein_co	ENSG0000	11329	17847
STK38L	9.37617	9.23751	8.47127	9.79565	11.3514	12.0299	serine/threonine kinase 38 like [Source:HGNC Symbol;Acc:HGNC:	chr12:2739	NM_01500	XM_00671	.	.	NP_05581	XP_005253	protein_co	ENSG0000	23012	17848
STK39	34.0627	36.6823	56.0751	19.2426	22.6292	20.5434	serine/threonine kinase 39 [Source:HGNC Symbol;Acc:HGNC:177	chr2:16881	NM_01323	XM_01151	.	.	NP_03736	XP_005246	protein_co	ENSG0000	27347	17717
STK4	13.3377	13.2756	15.2845	12.9688	15.918	18.1479	serine/threonine kinase 4 [Source:HGNC Symbol;Acc:HGNC:1140	chr20:4359	NM_00628	XM_00526	.	.	NP_00627	XP_005260	protein_co	ENSG0000	6789	11408
STK40	13.4025	11.2902	10.6437	9.60028	7.75786	14.5991	serine/threonine kinase 40 [Source:HGNC Symbol;Acc:HGNC:213	chr1:36805	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	83931	21373
STKLD1	0.073014	0.048692	0.06305	0.052519	0.028051	0.05278	serine/threonine kinase like domain containing 1 [Source:HGNC S	chr9:13624	NM_15371	.	.	.	NP_71492	.	protein_co	ENSG0000	169436	28669
STMN1	410.603	393.113	353.877	651.125	587.553	626.179	stathmin 1 [Source:HGNC Symbol;Acc:HGNC:6510]	chr1:26211	NM_00114	.	NR_03748	.	NP_00113	.	protein_co	ENSG0000	100500808	6510
STMN2	0	0	0	0	0	0	stathmin 2 [Source:HGNC Symbol;Acc:HGNC:10577]	chr8:80523	NM_00119	.	.	.	NP_00118	XP_005251	protein_co	ENSG0000	11075	10577
STMN3	62.25	63.4508	85.1809	59.0157	49.5012	44.8414	stathmin 3 [Source:HGNC Symbol;Acc:HGNC:15926]	chr20:6227	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	50861	15926
STMN4	0.048158	0.09907	0	0	0	0	stathmin 4 [Source:HGNC Symbol;Acc:HGNC:16078]	chr8:27092	NM_00128	XM_00527	.	.	NP_00126	XP_005273	protein_co	ENSG0000	81551	16078
STMND1	0.191616	0.252717	0.210449	0.323751	0.160468	0.288616	stathmin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:4	chr6:17102	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	401236	44668
STOM	16.1501	21.8451	18.5009	22.4769	23.1387	17.6146	stomatin [Source:HGNC Symbol;Acc:HGNC:3383]	chr9:12410	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	2040	3383
STOML1	3.97919	3.0403	3.34037	2.34592	2.35966	1.79791	stomatin like 1 [Source:HGNC Symbol;Acc:HGNC:14560]	chr15:7427	NM_00125	XM_00672	.	.	NP_00124	XP_005254	protein_co	ENSG0000	9399	14560
STOML2	177.96	168.871	148.879	208.005	174.595	127.531	stomatin like 2 [Source:HGNC Symbol;Acc:HGNC:14559]	chr9:35099	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	30968	14559
STOML3	0	0	0	0	0	0	stomatin like 3 [Source:HGNC Symbol;Acc:HGNC:19420]	chr13:3954	NM_00114	XM_01153	.	.	NP_00113	.	protein_co	ENSG0000	161003	19420
STON1	0.380366	0.780294	0.835655	0.576057	1.06874	1.3128	stonin 1 [Source:HGNC Symbol;Acc:HGNC:17003]	chr2:48757	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	11037	17003
STON1-GTF2A1L	0.104507	4.4E-101	1.56E-54	2.35E-38	3.1E-36	0.009541	STON1-GTF2A1L readthrough [Source:HGNC Symbol;Acc:HGNC:3	chr2:48757	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	286749	30651
STON2	0.792327	0.761932	0.809525	1.44561	1.52101	1.24096	stonin 2 [Source:HGNC Symbol;Acc:HGNC:30652]	chr14:8172	NM_00125	XM_01153	.	.	NP_00124	XP_006720	protein_co	ENSG0000	85439	30652
STOX1	3.37905	3.63284	3.5886	3.79822	3.11662	3.78827	storkhead box 1 [Source:HGNC Symbol;Acc:HGNC:23508]	chr10:7058	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	219736	23508
STOX2	1.2635	0.97745	1.16097	0.913428	1.31486	1.13131	storkhead box 2 [Source:HGNC Symbol;Acc:HGNC:25450]	chr4:18482	NM_02022	.	.	.	NP_06461	XP_011530	protein_co	ENSG0000	56977	25450
STPG1	6.25687	5.45832	4.897	4.08111	4.66326	8.2234	sperm tail PG-rich repeat containing 1 [Source:HGNC Symbol;Acc	chr1:24645	NM_00119	XM_01154	.	.	NP_00118	XP_006711	protein_co	ENSG0000	90529	28070
STPG2	0.051361	0	0.134028	0	0.056869	0	sperm tail PG-rich repeat containing 2 [Source:HGNC Symbol;Acc	chr4:98480	NM_17495	.	.	.	NP_77761	XP_016863	protein_co	ENSG0000	285555	28712
STPG3	0	0	0	0	0.096089	0	sperm-tail PG-rich repeat containing 3 [Source:HGNC Symbol;Acc	chr9:14014	NM_00100	XM_00671	.	.	NP_00100	XP_006717	protein_co	ENSG0000	441476	37285
STRA13	163.278	157.043	132.349	216.098	165.622	98.7361	stimulated by retinoic acid 13 [Source:HGNC Symbol;Acc:HGNC:1	chr17:7997	NM_00127	XM_00525	.	.	NP_00125	XP_005256	protein_co	ENSG0000	201254	11422
STRA6	0.030555	0.030303	0.229323	0	0	0	stimulated by retinoic acid 6 [Source:HGNC Symbol;Acc:HGNC:30	chr15:7447	NM_00114	XM_01702	.	.	NP_00113	XP_011520	protein_co	ENSG0000	64220	30650
STRA8	0	0	0	0	0	0	stimulated by retinoic acid 8 [Source:HGNC Symbol;Acc:HGNC:30	chr7:13491	NM_18248	.	.	.	NP_87229	.	protein_co	ENSG0000	346673	30653
STRADA	16.7206	16.1827	17.0496	14.3831	15.4918	13.734	STE20-related kinase adaptor alpha [Source:HGNC Symbol;Acc:H	chr17:6178	NM_00100	XM_01152	.	.	NP_00100	XP_005257	protein_co	ENSG0000	92335	30172
STRADB	9.97191	9.64837	10.4421	8.09459	9.4161	10.2349	STE20-related kinase adaptor beta [Source:HGNC Symbol;Acc:HG	chr2:20231	NM_00120	XM_00524	.	.	NP_00119	XP_005246	protein_co	ENSG0000	55437	13205
STRAP	116.173	120.689	105.506	125.974	129.722	110.68	serine/threonine kinase receptor associated protein [Source:HGN	chr12:1603	NM_00717	XM_00525	.	.	NP_00910	XP_005253	protein_co	ENSG0000	11171	30796
STRBP	10.9294	11.3732	10.9958	11.4089	12.325	12.1339	spermatid perinuclear RNA binding protein [Source:HGNC Symbo	chr9:12588	NM_00117	XM_01151	.	.	NP_00116	XP_011517	protein_co	ENSG0000	55342	16462
STRC	0.08347	0.044218	0.146611	0.079328	0.127413	0.047511	stereocilin [Source:HGNC Symbol;Acc:HGNC:16035]	chr15:4388	NM_15370	XM_01152	.	.	NP_71454	XP_011519	protein_co	ENSG0000	161497	16035
STRIP1	10.2273	10.53	10.6624	10.7824	10.5065	9.96248	striatin interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:25	chr1:11057	NM_00127	XM_00671	.	.	NP_00125	.	protein_co	ENSG0000	85369	25916
STRIP2	4.14592	3.86678	4.15292	4.47329	4.82882	4.51474	striatin interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:22	chr7:12907	NM_00113	XM_01151	.	.	NP_00112	XP_006716	protein_co	ENSG0000	57464	22209
STRN	5.37005	6.04599	6.12945	5.13306	6.42438	7.29995	striatin [Source:HGNC Symbol;Acc:HGNC:11424]	chr2:37070	NM_00316	XM_01153	.	.	NP_00315	XP_005264	protein_co	ENSG0000	6801	11424
STRN3	13.1117	12.7739	16.1385	13.7047	15.2215	16.4331	striatin 3 [Source:HGNC Symbol;Acc:HGNC:15720]	chr14:3134	NM_00108	XM_01153	.	.	NP_00107	XP_005267	protein_co	ENSG0000	29966	15720
STRN4	32.8451	33.6189	32.5123	38.1872	34.6734	36.8396	striatin 4 [Source:HGNC Symbol;Acc:HGNC:15721]	chr19:4722	NM_00103	XM_01152	.	.	NP_00103	XP_006723	protein_co	ENSG0000	29888	15721
STS	0.402036	0.257569	0.264148	0.301854	0.448365	0.364674	steroid sulfatase (microsomal), isozyme S [Source:HGNC Symbol;	chrX:71374	NM_00035	XM_01154	.	.	NP_00034	.	protein_co	ENSG0000	412	11425
STT3A	109.732	111.637	81.6868	100.757	105.911	97.9793	STT3A, catalytic subunit of the oligosaccharyltransferase complex	chr11:1254	NM_00127	XM_01154	.	.	NP_00126	XP_011541	protein_co	ENSG0000	3703	6172
STT3B	59.8932	57.2815	58.2095	55.0457	73.5793	79.5573	STT3B, catalytic subunit of the oligosaccharyltransferase complex	chr3:31574	NM_17886	.	.	.	NP_84919	XP_016861	protein_co	ENSG0000	201595	30611
STUB1	47.841	48.2275	51.4199	58.2845	46.0923	41.0926	STIP1 homology and U-box containing protein 1 [Source:HGNC Sy	chr16:7302	NM_00129	.	.	.	NP_00128	.	protein_co	ENSG0000	10273	11427
STUM	0	0	0.01699	0	0	0	stum, mechanosensory transduction mediator homolog [Source:	chr1:22673	NM_00100	XM_01154	.	.	NP_00100	XP_011542	protein_co	ENSG0000	375057	30491
STX10	65.1064	57.1175	60.1908	76.8012	59.1594	56.5139	syntaxin 10 [Source:HGNC Symbol;Acc:HGNC:11428]	chr19:1325	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	8677	11428
STX11	1.611	1.36184	1.45824	0.616944	0.877416	1.07753	syntaxin 11 [Source:HGNC Symbol;Acc:HGNC:11429]	chr6:14447	NM_00376	XM_01153	.	.	NP_00375	XP_011534	protein_co	ENSG0000	8676	11429
STX12	9.69658	10.7968	12.7587	10.5754	11.576	13.3477	syntaxin 12 [Source:HGNC Symbol;Acc:HGNC:11430]	chr1:28099	NM_17742	.	.	.	NP_80317	.	protein_co	ENSG0000	23673	11430
STX16	23.4811	23.2041	27.5639	19.1533	20.7681	19.3436	syntaxin 16 [Source:HGNC Symbol;Acc:HGNC:11431]	chr20:5722	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	8675	11431
STX17	9.47018	10.3399	9.37814	7.24622	9.67391	9.85797	syntaxin 17 [Source:HGNC Symbol;Acc:HGNC:11432]	chr9:10266	NM_01791	XM_01151	.	.	NP_06038	XP_011517	protein_co	ENSG0000	55014	11432
STX18	14.9769	13.6532	11.7101	15.6151	12.6593	9.79184	syntaxin 18 [Source:HGNC Symbol;Acc:HGNC:15942]	chr4:43498	NM_01693	XM_01151	.	.	NP_05862	XP_011511	protein_co	ENSG0000	53407	15942
STX19	0.052594	0.171827	0	0.060877	0.11485	0.150564	syntaxin 19 [Source:HGNC Symbol;Acc:HGNC:19300]	chr3:93698	NM_00100	XM_01151	.	.	NP_00100	XP_011511	protein_co	ENSG0000	415117	19300
STX1A	7.12646	6.90396	10.3306	5.84581	4.69912	4.66278	syntaxin 1A [Source:HGNC Symbol;Acc:HGNC:11433]	chr7:73113	NM_00116	XM_01151	.	.	NP_00115	.	protein_co	ENSG0000	6804	11433
STX1B	0.127239	0.241405	0.131301	0.048826	0.10442	0.065005	syntaxin 1B [Source:HGNC Symbol;Acc:HGNC:18539]	chr16:3100	NM_05287	XM_01702	.	.	NP_44310	XP_016878	protein_co	ENSG0000	112755	18539
STX2	13.0132	13.86	12.9974	12.0532	14.1112	14.7389	syntaxin 2 [Source:HGNC Symbol;Acc:HGNC:3403]	chr12:1312	NM_00198	XM_01701	.	.	NP_00197	XP_005253	protein_co	ENSG0000	2054	3403
STX3	24.205	21.9137	21.0698	19.8573	21.1512	20.873	syntaxin 3 [Source:HGNC Symbol;Acc:HGNC:11438]	chr11:5952	NM_00117	XM_01154	.	.	NP_00117	XP_005274	protein_co	ENSG0000	6809	11438
STX4	8.91714	9.45693	7.62523	8.10012	6.37406	5.75216	syntaxin 4 [Source:HGNC Symbol;Acc:HGNC:11439]	chr16:3104	NM_00127	XM_00525	.	.	NP_00125	XP_005255	protein_co	ENSG0000	6810	11439

STX5	22.1835	22.1982	18.1513	23.5878	17.874	21.4511	syntaxin 5 [Source:HGNC Symbol;Acc:HGNC:11440]	chr11:6257	NM_00124	XM_01154	.	.	NP_00123	XP_011543	protein_co	ENSG0000	6811	11440
STX6	13.0988	13.0779	15.9209	15.158	14.3975	16.1984	syntaxin 6 [Source:HGNC Symbol;Acc:HGNC:11441]	chr1:18094	NM_00128	.	.	.	NP_00127	XP_016855	protein_co	ENSG0000	10228	11441
STX7	12.995	12.1226	12.1054	11.4406	13.3096	14.4665	syntaxin 7 [Source:HGNC Symbol;Acc:HGNC:11442]	chr6:13276	NM_00356	XM_01153	.	.	NP_00131	XP_011534	protein_co	ENSG0000	8417	11442
STX8	13.1827	12.6692	15.7661	17.0528	16.1536	17.6015	syntaxin 8 [Source:HGNC Symbol;Acc:HGNC:11443]	chr17:9153	NM_00485	.	.	.	NP_00484	.	protein_co	ENSG0000	9482	11443
STXBP1	13.2622	13.3521	15.9208	13.382	11.4691	12.5806	syntaxin binding protein 1 [Source:HGNC Symbol;Acc:HGNC:1144	chr9:13034	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	6812	11444
STXBP2	38.5567	39.2654	39.2537	43.2698	34.1846	37.6291	syntaxin binding protein 2 [Source:HGNC Symbol;Acc:HGNC:1144	chr19:7701	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	6813	11445
STXBP3	10.0041	8.7434	9.03742	9.70237	10.395	10.022	syntaxin binding protein 3 [Source:HGNC Symbol;Acc:HGNC:1144	chr1:10928	NM_00726	.	.	.	NP_00920	.	protein_co	ENSG0000	6814	11446
STXBP4	3.92105	3.68729	4.90967	4.47592	5.56893	4.52466	syntaxin binding protein 4 [Source:HGNC Symbol;Acc:HGNC:1969	chr17:5297	NM_17850	XM_01152	.	.	NP_84860	XP_005257	protein_co	ENSG0000	252983	19694
STXBP5	4.58993	4.84906	3.84691	2.18861	2.56352	2.1561	syntaxin binding protein 5 [Source:HGNC Symbol;Acc:HGNC:1966	chr6:14752	NM_00112	XM_01153	.	.	NP_00112	XP_006715	protein_co	ENSG0000	134957	19665
STXBP5L	0	0	0	0	0.009078	0	syntaxin binding protein 5 like [Source:HGNC Symbol;Acc:HGNC:3	chr3:12062	NM_00130	XM_01700	.	.	NP_00129	XP_005247	protein_co	ENSG0000	9515	30757
STXBP6	6.18005	5.65246	5.66556	10.6155	7.04884	7.09779	syntaxin binding protein 6 [Source:HGNC Symbol;Acc:HGNC:1966	chr14:2527	NM_00130	XM_01702	.	.	NP_00129	XP_016876	protein_co	ENSG0000	29091	19666
STYK1	3.85406	4.47156	4.61608	3.87064	3.83992	6.15774	serine/threonine/tyrosine kinase 1 [Source:HGNC Symbol;Acc:HG	chr12:1077	NM_01842	XM_01152	.	.	NP_06089	XP_005253	protein_co	ENSG0000	55359	18889
STYX	6.53139	6.20245	6.98842	6.59217	7.3414	9.32739	serine/threonine/tyrosine interacting protein [Source:HGNC Sym	chr14:5319	NM_00113	XM_01153	.	.	NP_00112	XP_006720	protein_co	ENSG0000	6815	11447
STYXL1	18.4616	18.3942	15.2985	28.2041	20.2664	18.741	serine/threonine/tyrosine interacting like 1 [Source:HGNC Symbo	chr7:75625	NM_00131	XM_01151	.	.	NP_00130	XP_011514	protein_co	ENSG0000	51657	18165
SUB1	145.117	136.497	146.129	162.657	168.166	173.339	SUB1 homolog, transcriptional regulator [Source:HGNC Symbol;A	chr5:32531	NM_00671	XM_01700	.	.	NP_00670	XP_011512	protein_co	ENSG0000	10923	19985
SUCLA2	18.4339	19.0617	19.1659	21.5805	22.0138	22.2107	succinate-CoA ligase ADP-forming beta subunit [Source:HGNC Sy	chr13:4851	NM_00385	XM_01153	.	.	NP_00384	.	protein_co	ENSG0000	8803	11448
SUCLG1	44.483	42.6437	39.1187	46.8992	39.1862	43.6048	succinate-CoA ligase alpha subunit [Source:HGNC Symbol;Acc:HG	chr2:84650	NM_00384	.	.	.	NP_00384	.	protein_co	ENSG0000	8802	11449
SUCLG2	23.5828	24.2423	28.0562	27.704	25.635	33.6166	succinate-CoA ligase GDP-forming beta subunit [Source:HGNC Sy	chr3:67410	NM_00117	.	.	.	NP_00117	XP_016862	protein_co	ENSG0000	8801	11450
SUCNR1	0	0.052654	0.186595	0.027851	0.025912	0.089444	succinate receptor 1 [Source:HGNC Symbol;Acc:HGNC:4542]	chr3:15159	NM_03305	.	.	.	NP_14903	.	protein_co	ENSG0000	56670	4542
SUCO	10.2667	9.84883	9.22875	7.90806	10.7727	12.0594	SUN domain containing ossification factor [Source:HGNC Symbol;	chr1:17250	NM_00128	XM_00671	.	.	NP_00126	XP_006711	protein_co	ENSG0000	51430	1240
SUDS3	19.6366	20.0779	23.2923	19.1537	21.6042	22.9632	SDS3 homolog, SIN3A corepressor complex component [Source:H	chr12:1188	NM_02249	XM_01153	.	.	NP_07193	XP_011536	protein_co	ENSG0000	64426	29545
SUFU	10.6917	10.4611	11.6812	10.9607	10.3789	11.216	SUFU negative regulator of hedgehog signaling [Source:HGNC Sy	chr10:1042	NM_00117	XM_01153	.	.	NP_00117	XP_011538	protein_co	ENSG0000	51684	16466
SUGCT	1.78643	1.35026	3.11803	4.0297	2.92893	3.53045	succinyl-CoA:glutarate-CoA transferase [Source:HGNC Symbol;Ac	chr7:40174	NM_00119	XM_01151	.	.	NP_00118	XP_006715	protein_co	ENSG0000	79783	16001
SUGP1	13.174	13.5092	11.8595	14.3198	12.0686	11.2024	SURP and G-patch domain containing 1 [Source:HGNC Symbol;Ac	chr19:1938	NM_17223	XM_01152	.	.	NP_75738	XP_005260	protein_co	ENSG0000	57794	18643
SUGP2	18.5742	18.8579	20.9389	19.2117	18.9303	17.5338	SURP and G-patch domain containing 2 [Source:HGNC Symbol;Ac	chr19:1910	NM_00101	XM_01702	.	.	NP_00101	XP_011525	protein_co	ENSG0000	10147	18641
SUGT1	40.582	35.1694	33.6955	36.1248	44.9162	33.559	SGT1 homolog, MIS12 kinetochore complex assembly cochaperon	chr13:5322	NM_00113	XM_01702	.	.	NP_00112	XP_011533	protein_co	ENSG0000	10910	16987
SULF1	0	0	0	0	0	0	sulfatase 1 [Source:HGNC Symbol;Acc:HGNC:20391]	chr8:70378	NM_00112	XM_01151	.	.	NP_00112	XP_006716	protein_co	ENSG0000	23213	20391
SULF2	5.52896	5.23143	7.85703	4.27384	3.96466	3.74992	sulfatase 2 [Source:HGNC Symbol;Acc:HGNC:20392]	chr20:4628	NM_00116	XM_01152	.	.	NP_00115	XP_005260	protein_co	ENSG0000	55959	20392
SULT1A1	11.5349	11.9792	16.5573	16.7245	13.6987	19.3284	sulfotransferase family 1A member 1 [Source:HGNC Symbol;Acc:	chr16:2861	NM_00105	XM_01702	.	.	NP_00104	XP_016879	protein_co	ENSG0000	6817	11453
SULT1A2	0.91912	1.06074	1.88121	1.16512	0.974126	1.12203	sulfotransferase family 1A member 2 [Source:HGNC Symbol;Acc:	chr16:2860	NM_00105	XM_01702	.	.	NP_00104	XP_006721	protein_co	ENSG0000	6799	11454
SULT1A3	0.050249	0	0.043855	0	0	0	sulfotransferase family 1A member 3 [Source:HGNC Symbol;Acc:	chr16:3021	NM_17755	.	.	.	NP_80822	XP_011506	protein_co	ENSG0000	105369243	11455
SULT1A4	0	0	0	0	0	0	sulfotransferase family 1A member 4 [Source:HGNC Symbol;Acc:	chr16:2947	NM_00101	.	.	.	NP_00101	XP_011506	protein_co	ENSG0000	105369243	30004
SULT1B1	0	0	0.012335	0	0	0	sulfotransferase family 1B member 1 [Source:HGNC Symbol;Acc:	chr4:70586	NM_01446	XM_01153	.	.	NP_05528	XP_005265	protein_co	ENSG0000	27284	17845
SULT1C2	1.38447	1.9804	1.73142	2.29428	2.09066	2.25476	sulfotransferase family 1C member 2 [Source:HGNC Symbol;Acc:	chr2:10890	NM_00105	XM_00526	.	.	NP_00104	XP_005264	protein_co	ENSG0000	6819	11456
SULT1C3	0	0	0	0	0	0	sulfotransferase family 1C member 3 [Source:HGNC Symbol;Acc:	chr2:10886	NM_00100	XM_01151	.	.	NP_00100	XP_011509	protein_co	ENSG0000	442038	33543
SULT1C4	0	0	0	0	0	0	sulfotransferase family 1C member 4 [Source:HGNC Symbol;Acc:	chr2:10899	NM_00658	XM_00526	.	.	NP_00130	XP_005263	protein_co	ENSG0000	27233	11457
SULT1E1	0	0	0	0	0	0	sulfotransferase family 1E member 1 [Source:HGNC Symbol;Acc:	chr4:70706	NM_00542	XM_01153	.	.	NP_00541	XP_011530	protein_co	ENSG0000	6783	11377
SULT2A1	0	0	0	0	0	0	sulfotransferase family 2A member 1 [Source:HGNC Symbol;Acc:	chr19:4837	NM_00316	.	.	.	NP_00315	.	protein_co	ENSG0000	6822	11458
SULT2B1	1.32287	1.67569	1.79452	2.96848	2.40481	2.43679	sulfotransferase family 2B member 1 [Source:HGNC Symbol;Acc:	chr19:4905	NM_00460	.	.	.	NP_00459	.	protein_co	ENSG0000	6820	11459
SULT4A1	2.65296	2.87542	3.0116	2.40614	3.23158	2.22021	sulfotransferase family 4A member 1 [Source:HGNC Symbol;Acc:	chr22:4422	NM_01435	.	.	.	NP_05516	.	protein_co	ENSG0000	25830	14903
SULT6B1	0	0	0	0	0	0	sulfotransferase family 6B member 1 [Source:HGNC Symbol;Acc:	chr2:37394	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	391365	33433
SUMF1	18.6536	18.7647	22.2212	20.375	17.4802	23.0692	sulfatase modifying factor 1 [Source:HGNC Symbol;Acc:HGNC:20	chr3:44028	NM_00116	.	.	.	NP_00115	XP_016861	protein_co	ENSG0000	285362	20376
SUMF2	90.5455	93.8481	91.019	75.8803	66.7971	73.7817	sulfatase modifying factor 2 [Source:HGNC Symbol;Acc:HGNC:20	chr7:56131	NM_00104	XM_01151	.	.	NP_00103	XP_011513	protein_co	ENSG0000	25870	20415
SUMO1	101.144	82.2189	100.6	91.8576	101.823	133.096	small ubiquitin-like modifier 1 [Source:HGNC Symbol;Acc:HGNC:1	chr2:20307	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	7341	12502
SUMO2	265.946	269.708	249.479	376.162	317.852	329.428	small ubiquitin-like modifier 2 [Source:HGNC Symbol;Acc:HGNC:1	chr17:7316	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	6613	11125
SUMO3	15.9241	17.65	17.2863	24.5865	26.7654	26.5092	small ubiquitin-like modifier 3 [Source:HGNC Symbol;Acc:HGNC:1	chr21:4622	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	6612	11124
SUMO4	0.23367	0	0.067994	0	0.086913	0.077063	small ubiquitin-like modifier 4 [Source:HGNC Symbol;Acc:HGNC:2	chr6:14963	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	387082	21181
SUN1	50.0154	48.8005	48.1249	44.2822	50.5349	49.4551	Sad1 and UNC84 domain containing 1 [Source:HGNC Symbol;Acc:	chr7:85625	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	23353	18587
SUN2	20.5367	22.6144	21.2258	21.7314	22.0268	20.5804	Sad1 and UNC84 domain containing 2 [Source:HGNC Symbol;Acc:	chr22:3913	NM_00119	XM_01153	.	.	NP_00118	XP_011528	protein_co	ENSG0000	25777	14210
SUN3	2.06608	1.84443	0.925967	2.66515	1.98843	2.84086	Sad1 and UNC84 domain containing 3 [Source:HGNC Symbol;Acc:	chr7:48026	NM_00103	XM_01151	.	.	NP_00102	XP_016867	protein_co	ENSG0000	256979	22429
SUN5	0	0	0	0	0	0	Sad1 and UNC84 domain containing 5 [Source:HGNC Symbol;Acc:	chr20:3157	NM_08067	XM_01152	.	.	NP_54240	XP_011526	protein_co	ENSG0000	140732	16252
SUOX	11.0969	10.0345	14.8409	11.94	10.5319	11.0955	sulfite oxidase [Source:HGNC Symbol;Acc:HGNC:11460]	chr12:5639	NM_00045	XM_01701	.	.	NP_00044	XP_005269	protein_co	ENSG0000	6821	11460
SUPT16H	87.8211	89.5956	85.3937	94.4905	100.47	84.0363	SPT16 homolog, facilitates chromatin remodeling subunit [Sourc	chr14:2181	NM_00719	XM_01153	.	.	NP_00912	XP_011534	protein_co	ENSG0000	11198	11465
SUPT20H	16.0578	15.651	14.0329	18.6958	20.0435	18.2821	SPT20 homolog, SAGA complex component [Source:HGNC Symbo	chr13:3757	NM_00101	XM_01153	.	.	NP_00101	XP_005266	protein_co	ENSG0000	55578	20596
SUPT3H	4.00605	3.35235	5.80341	2.83294	5.18978	5.20223	SPT3 homolog, SAGA and STAGA complex component [Source:HG	chr6:44794	NM_00359	XM_01151	.	.	NP_00359	XP_011513	protein_co	ENSG0000	8464	11466
SUPT4H1	97.608	99.9463	99.688	93.9565	91.6618	93.3342	SPT4 homolog, DSIF elongation factor subunit [Source:HGNC Sym	chr17:5642	NM_00316	.	.	.	NP_00315	.	protein_co	ENSG0000	6827	11467
SUPT5H	33.845	36.1562	31.7783	39.0551	34.2847	25.8333	SPT5 homolog, DSIF elongation factor subunit [Source:HGNC Sym	chr19:3999	NM_00111	XM_00672	.	.	NP_00110	XP_005259	protein_co	ENSG0000	6829	11469
SUPT6H	24.3989	27.1115	21.0689	23.2225	22.5054	19.7199	SPT6 homolog, histone chaperone [Source:HGNC Symbol;Acc:HG	chr17:2697	NM_00132	XM_01152	.	.	NP_00130	XP_005258	protein_co	ENSG0000	6830	11470
SUPT7L	19.682	18.7793	18.0406	15.2249	13.602	14.3562	SPT7-like STAGA complex gamma subunit [Source:HGNC Symbol;	chr2:27848	NM_00128	XM_00526	.	.	NP_00126	XP_005264	protein_co	ENSG0000	9913	30632

SUPV3L1	21.0954	22.1333	19.6742	19.9824	19.9572	21.2762	Suv3 like RNA helicase [Source:HGNC Symbol;Acc:HGNC:11471]	chr10:7093	NM_00130	XM_01154	.	.	NP_00128	.	protein_co	ENSG0000	6832	11471
SURF1	49.8326	48.1723	51.9894	49.1932	37.1839	41.6693	surfeit 1 [Source:HGNC Symbol;Acc:HGNC:11474]	chr9:13621	NM_00128	XM_01151	.	.	NP_00126	XP_011517	protein_co	ENSG0000	6834	11474
SURF2	24.5936	25.5129	19.9209	33.9776	25.8134	16.9012	surfeit 2 [Source:HGNC Symbol;Acc:HGNC:11475]	chr9:13622	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	6835	11475
SURF4	116.141	118.252	96.8958	140.534	128.442	106.339	surfeit 4 [Source:HGNC Symbol;Acc:HGNC:11476]	chr9:13622	NM_00128	.	.	.	NP_00126	XP_011517	protein_co	ENSG0000	6836	11476
SURF6	19.183	19.0429	18.1664	21.766	19.5286	14.2991	surfeit 6 [Source:HGNC Symbol;Acc:HGNC:11478]	chr9:13619	NM_00675	.	.	.	NP_00674	.	protein_co	ENSG0000	6838	11478
SUSD1	2.66803	3.21174	3.01319	3.69797	3.62597	3.34683	sushi domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2541	chr9:11480	NM_00128	XM_01151	.	.	NP_00126	XP_011517	protein_co	ENSG0000	64420	25413
SUSD2	1.53346	1.21741	3.52489	0.993491	0.894716	1.04801	sushi domain containing 2 [Source:HGNC Symbol;Acc:HGNC:3066	chr22:2457	NM_01960	.	.	.	NP_06254	.	protein_co	ENSG0000	56241	30667
SUSD3	5.67812	5.61729	9.36733	5.07321	4.1952	4.37137	sushi domain containing 3 [Source:HGNC Symbol;Acc:HGNC:2839	chr9:95820	NM_00128	XM_01151	.	.	NP_00127	XP_011516	protein_co	ENSG0000	203328	28391
SUSD4	0.477281	0.465463	0.677716	1.5986	1.28095	1.22325	sushi domain containing 4 [Source:HGNC Symbol;Acc:HGNC:2547	chr1:22339	NM_00103	XM_01700	.	.	NP_00103	XP_005273	protein_co	ENSG0000	55061	25470
SUSD5	0	0	0	0	0	0	sushi domain containing 5 [Source:HGNC Symbol;Acc:HGNC:2906	chr3:33191	NM_01555	XM_00526	.	.	NP_05636	XP_005265	protein_co	ENSG0000	26032	29061
SUSD6	5.16851	4.3485	5.91742	4.32461	4.83568	4.21268	sushi domain containing 6 [Source:HGNC Symbol;Acc:HGNC:1995	chr14:7007	NM_01473	XM_01702	.	.	NP_05554	XP_011535	protein_co	ENSG0000	9766	19956
SUV39H1	7.70853	7.89844	7.2251	11.768	9.80992	7.79213	suppressor of variegation 3-9 homolog 1 [Source:HGNC Symbol;A	chrX:48553	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	6839	11479
SUV39H2	12.6887	13.6356	15.3264	12.8323	18.3493	15.265	suppressor of variegation 3-9 homolog 2 [Source:HGNC Symbol;A	chr10:1492	NM_00119	XM_01151	.	.	NP_00118	XP_006717	protein_co	ENSG0000	79723	17287
SUZ12	19.5994	21.4537	20.546	21.8002	27.2415	28.1584	SUZ12 polycomb repressive complex 2 subunit [Source:HGNC Syn	chr17:3026	NM_01535	XM_00672	.	.	NP_00130	XP_005258	protein_co	ENSG0000	23512	17101
SV2A	0.052298	0.070861	0.065939	0.057151	0.118935	0.055234	synaptic vesicle glycoprotein 2A [Source:HGNC Symbol;Acc:HGNC	chr1:14987	NM_00132	.	.	.	NP_00131	.	protein_co	ENSG0000	9900	20566
SV2B	0.006937	0.007316	0	0.02349	0.007731	0.013845	synaptic vesicle glycoprotein 2B [Source:HGNC Symbol;Acc:HGNC	chr15:9164	NM_00116	XM_01702	.	.	NP_00116	XP_005255	protein_co	ENSG0000	9899	16874
SV2C	0.007496	0	0.021466	0.008415	0	0	synaptic vesicle glycoprotein 2C [Source:HGNC Symbol;Acc:HGNC	chr5:75378	NM_00129	XM_01154	.	.	NP_00128	XP_011541	protein_co	ENSG0000	22987	30670
SVBP	9.67898	10.5498	10.1561	15.7424	12.1995	13.2718	small vasohibin binding protein [Source:HGNC Symbol;Acc:HGNC:	chr1:43272	NM_19934	.	.	.	NP_95537	XP_016856	protein_co	ENSG0000	374969	29204
SVEP1	0.02286	0.034755	0.043134	0.030889	0.018636	0.016785	sushi, von Willebrand factor type A, EGF and pentraxin domain co	chr9:11312	NM_15336	.	.	.	NP_69919	.	protein_co	ENSG0000	79987	15985
SVIL	5.3039	5.62322	5.18238	4.20401	4.72648	3.94728	supervillin [Source:HGNC Symbol;Acc:HGNC:11480]	chr10:2974	NM_00317	XM_01151	.	.	NP_00316	XP_005252	protein_co	ENSG0000	6840	11480
SVIP	6.33316	7.63317	5.63304	7.69785	7.12048	6.69478	small VCP interacting protein [Source:HGNC Symbol;Acc:HGNC:25	chr11:2284	NM_14889	.	.	.	NP_00130	.	protein_co	ENSG0000	258010	25238
SVOP	0.034382	0.023676	0.039635	0.012713	0.025918	0.082654	SV2 related protein [Source:HGNC Symbol;Acc:HGNC:25417]	chr12:1093	NM_01871	.	.	.	NP_06118	.	protein_co	ENSG0000	55530	25417
SVOPL	0	0	0	0.079895	0	0	SVOP like [Source:HGNC Symbol;Acc:HGNC:27034]	chr7:13827	NM_00113	XM_01151	.	.	NP_00113	XP_005250	protein_co	ENSG0000	136306	27034
SWAP70	8.56138	9.91003	10.5751	9.18778	9.45255	10.9512	SWAP switching B-cell complex 70kDa subunit [Source:HGNC Sym	chr11:9685	NM_00129	.	.	.	NP_00128	.	protein_co	ENSG0000	23075	17070
SWI5	17.8511	17.9819	15.6558	19.2706	14.5682	12.7436	SWI5 homologous recombination repair protein [Source:HGNC Sy	chr9:13101	NM_00104	XM_01151	.	.	NP_00103	XP_005252	protein_co	ENSG0000	375757	31412
SWSAP1	2.40351	2.37869	2.59887	4.33557	2.22797	1.59167	SWIM-type zinc finger 7 associated protein 1 [Source:HGNC Symb	chr19:1148	NM_17587	.	.	.	NP_78706	.	protein_co	ENSG0000	126074	26638
SWT1	1.09845	1.43011	1.44224	1.32982	1.26434	2.03321	SWT1, RNA endoribonuclease homolog [Source:HGNC Symbol;Ac	chr1:18512	NM_00110	XM_01700	.	.	NP_00109	XP_005245	protein_co	ENSG0000	54823	16785
SYAP1	11.0394	11.3824	10.6965	13.1476	12.0885	12.2111	synapse associated protein 1 [Source:HGNC Symbol;Acc:HGNC:16	chrX:16737	NM_03279	.	.	.	NP_11618	.	protein_co	ENSG0000	94056	16273
SYBU	8.02876	7.39908	7.16798	4.50287	3.94447	3.01923	syntabulin [Source:HGNC Symbol;Acc:HGNC:26011]	chr8:11058	NM_00109	XM_01701	.	.	NP_00109	XP_005251	protein_co	ENSG0000	55638	26011
SYCE1	0	0	0	0	0	0	synaptonemal complex central element protein 1 [Source:HGNC S	chr10:1353	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	93426	28852
SYCE1L	1.91375	3.31399	3.84018	1.97591	0.964547	2.18805	synaptonemal complex central element protein 1 like [Source:HG	chr16:7722	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	100130958	37236
SYCE2	0.202574	0.414299	0.220437	0.497825	0.231109	0.537041	synaptonemal complex central element protein 2 [Source:HGNC S	chr19:1300	NM_00110	XM_01152	.	.	NP_00109	XP_005259	protein_co	ENSG0000	256126	27411
SYCE3	0.71743	0.744515	1.23885	0.86263	0	0.874348	synaptonemal complex central element protein 3 [Source:HGNC S	chr22:5098	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	644186	35245
SYCN	0	0	0	0	0	0	syncollin [Source:HGNC Symbol;Acc:HGNC:18442]	chr19:3969	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	342898	18442
SYCP1	0	0	0	0	0	0	synaptonemal complex protein 1 [Source:HGNC Symbol;Acc:HGN	chr1:11539	NM_00128	XM_01700	.	.	NP_00126	XP_005271	protein_co	ENSG0000	6847	11487
SYCP2	0.011919	0.039282	0.052391	0.013916	0.012959	0.011219	synaptonemal complex protein 2 [Source:HGNC Symbol;Acc:HGN	chr20:5843	NM_01425	XM_01702	.	.	NP_05507	XP_005260	protein_co	ENSG0000	10388	11490
SYCP2L	1.45045	1.89669	2.2415	1.32415	1.50053	1.89094	synaptonemal complex protein 2 like [Source:HGNC Symbol;Acc:H	chr6:10887	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	221711	21537
SYCP3	0	0.15881	0.06554	0	0	0.072601	synaptonemal complex protein 3 [Source:HGNC Symbol;Acc:HGN	chr12:1020	NM_00117	XM_01153	.	.	NP_00117	XP_005268	protein_co	ENSG0000	50511	18130
SYDE1	3.79477	4.33693	2.47434	3.40124	3.00028	1.90919	synapse defective Rho GTPase homolog 1 [Source:HGNC Symbol;	chr19:1521	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	85360	25824
SYDE2	0.924825	0.904105	0.87055	0.877263	1.00632	1.19241	synapse defective Rho GTPase homolog 2 [Source:HGNC Symbol;	chr1:85622	NM_03218	XM_01154	.	.	NP_11556	.	protein_co	ENSG0000	84144	25841
SYF2	37.5249	35.577	35.5346	27.7431	30.6228	36.2644	SYF2 pre-mRNA splicing factor [Source:HGNC Symbol;Acc:HGNC:1	chr1:25549	NM_01548	.	.	.	NP_05629	.	protein_co	ENSG0000	25949	19824
SYK	4.82936	5.55651	5.11293	9.07827	8.32676	7.71567	spleen associated tyrosine kinase [Source:HGNC Symbol;Acc:HGN	chr9:93564	NM_00113	XM_01151	.	.	NP_00112	XP_005252	protein_co	ENSG0000	6850	11491
SYMPK	30.2142	30.2563	29.5034	38.1132	33.6388	27.864	symplekin [Source:HGNC Symbol;Acc:HGNC:22935]	chr19:4631	NM_00481	XM_01152	.	.	NP_00481	XP_005259	protein_co	ENSG0000	8189	22935
SYN1	0.111572	0.166753	0.334439	0.090261	0.032152	0.151648	synapsin I [Source:HGNC Symbol;Acc:HGNC:11494]	chrX:47420	NM_00695	.	.	.	NP_00888	.	protein_co	ENSG0000	6853	11494
SYN2	2.63185	2.38908	3.32409	3.40778	2.9903	3.65493	synapsin II [Source:HGNC Symbol;Acc:HGNC:11495]	chr3:12045	NM_00317	XM_00671	.	.	NP_00316	XP_006713	protein_co	ENSG0000	6854	11495
SYN3	0	0.023412	0	0	0	0	synapsin III [Source:HGNC Symbol;Acc:HGNC:11496]	chr22:3290	NM_00113	XM_01153	.	.	NP_00112	XP_011528	protein_co	ENSG0000	8224	11496
SYNC	0.93553	0.462553	1.301	1.09219	0.75963	1.39487	syncoilin, intermediate filament protein [Source:HGNC Symbol;Ac	chr1:33116	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	81493	28897
SYNCRIP	116.78	116.344	100.657	119.563	141.574	120.375	synaptotagmin binding cytoplasmic RNA interacting protein [Sour	chr6:86317	NM_00115	XM_01701	.	.	NP_00115	XP_005248	protein_co	ENSG0000	10492	16918
SYNDIG1	0	0	0	0	0	0	synapse differentiation inducing 1 [Source:HGNC Symbol;Acc:HGN	chr20:2444	NM_02489	.	.	.	NP_00131	XP_016883	protein_co	ENSG0000	79953	15885
SYNDIG1L	0.029645	0	0.025765	0	0.033976	0.096217	synapse differentiation inducing 1 like [Source:HGNC Symbol;Acc	chr14:7487	NM_00110	XM_01153	.	.	NP_00109	XP_011535	protein_co	ENSG0000	646658	32388
SYNE1	1.36658	1.67535	1.05785	1.16445	0.962822	1.52189	spectrin repeat containing nuclear envelope protein 1 [Source:HG	chr6:15201	NM_03307	XM_01701	.	.	NP_14906	XP_006715	protein_co	ENSG0000	23345	17089
SYNE2	8.03023	6.93459	8.99078	9.37304	9.51606	9.85214	spectrin repeat containing nuclear envelope protein 2 [Source:HG	chr14:6431	NM_01518	XM_01153	.	.	NP_05599	XP_005267	protein_co	ENSG0000	23224	17084
SYNE3	0.707233	0.711497	0.963861	0.866866	0.646175	1.50162	spectrin repeat containing nuclear envelope family member 3 [So	chr14:9587	NM_15259	XM_01153	.	.	NP_68980	XP_005267	protein_co	ENSG0000	161176	19861
SYNE4	16.9712	14.9417	14.62	21.3689	13.5539	11.0911	spectrin repeat containing nuclear envelope family member 4 [So	chr19:3649	NM_00103	XM_00525	.	.	NP_00103	.	protein_co	ENSG0000	163183	26703
SYNGAP1	2.34837	2.42597	3.1893	1.611	1.90368	1.78326	synaptic Ras GTPase activating protein 1 [Source:HGNC Symbol;A	chr6:33387	NM_00677	.	NR_04980	.	NP_00676	.	protein_co	ENSG0000	100847012	11497
SYNGR1	10.5944	12.9252	13.9441	14.1133	12.5858	8.90642	synaptogyrin 1 [Source:HGNC Symbol;Acc:HGNC:11498]	chr22:3974	NM_00471	.	.	.	NP_00470	.	protein_co	ENSG0000	9145	11498
SYNGR2	182.18	194.484	188.604	173.705	138.017	124.408	synaptogyrin 2 [Source:HGNC Symbol;Acc:HGNC:11499]	chr17:7616	NM_00471	XM_00525	.	.	NP_00130	XP_005257	protein_co	ENSG0000	9144	11499
SYNGR3	10.0541	9.91408	11.1543	4.60059	4.58848	5.53219	synaptogyrin 3 [Source:HGNC Symbol;Acc:HGNC:11501]	chr16:2039	NM_00420	.	.	.	NP_00420	.	protein_co	ENSG0000	9143	11501
SYNGR4	0	1.0607	0.086795	0.108779	0.24384	0.446502	synaptogyrin 4 [Source:HGNC Symbol;Acc:HGNC:11502]	chr19:4886	NM_01245	XM_00525	.	.	NP_03658	XP_005258	protein_co	ENSG0000	23546	11502

SYNJ1	1.8555	1.91508	1.72926	1.60257	1.96684	1.9962	synaptojanin 1 [Source:HGNC Symbol;Acc:HGNC:11503]	chr21:3400	NM_00116	XM_01702	.	.	NP_00115	XP_016883	protein_co	ENSG0000	8867	11503
SYNJ2	5.4221	5.85516	6.17812	4.06355	4.85298	4.72434	synaptojanin 2 [Source:HGNC Symbol;Acc:HGNC:11504]	chr6:15840	NM_00117	XM_01153	.	.	NP_00117	XP_005267	protein_co	ENSG0000	8871	11504
SYNJ2BP	7.75098	8.64319	8.95906	6.64874	8.37188	7.90403	synaptojanin 2 binding protein [Source:HGNC Symbol;Acc:HGNC:	chr14:7079	NM_01837	.	.	.	NP_06084	.	protein_co	ENSG0000	55333	18955
SYNJ2BP-COX16	5.28848	3.65636	5.0656	3.1415	3.98208	5.13611	SYNJ2BP-COX16 readthrough [Source:HGNC Symbol;Acc:HGNC:4	chr14:7079	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	100529257	48350
SYNM	1.92842	1.98309	1.94838	1.81603	2.28985	2.07467	synemin [Source:HGNC Symbol;Acc:HGNC:24466]	chr15:9963	NM_01528	.	.	.	NP_05610	.	protein_co	ENSG0000	23336	24466
SYNPO	3.90465	3.9059	6.89695	2.25391	2.49763	5.73952	synaptopodin [Source:HGNC Symbol;Acc:HGNC:30672]	chr5:14998	NM_00110	XM_01153	.	.	NP_00110	XP_005268	protein_co	ENSG0000	11346	30672
SYNPO2	0.31339	0.38917	0.232188	0.110464	0.095093	0.60012	synaptopodin 2 [Source:HGNC Symbol;Acc:HGNC:17732]	chr4:11977	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	171024	17732
SYNPO2L	0.03806	0.07685	0.049508	0.062213	0.198026	0.185879	synaptopodin 2 like [Source:HGNC Symbol;Acc:HGNC:23532]	chr10:7540	NM_00111	XM_00527	.	.	NP_00110	XP_005270	protein_co	ENSG0000	79933	23532
SYNPR	0	0	0.09921	0	0.256613	0	synaptoporin [Source:HGNC Symbol;Acc:HGNC:16507]	chr3:63263	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	132204	16507
SYNRG	7.33747	7.88264	8.26714	6.89324	7.85225	7.12802	synergin, gamma [Source:HGNC Symbol;Acc:HGNC:557]	chr17:3587	NM_00116	XM_01152	.	.	NP_00115	XP_005257	protein_co	ENSG0000	11276	557
SYP	0.667685	0.642014	0.372381	0.844546	0.638764	0.478814	synaptophysin [Source:HGNC Symbol;Acc:HGNC:11506]	chrX:49044	NM_00317	XM_01154	.	.	NP_00317	.	protein_co	ENSG0000	6855	11506
SYPL1	54.3635	58.8709	57.4842	59.6249	69.9779	61.7413	synaptophysin like 1 [Source:HGNC Symbol;Acc:HGNC:11507]	chr7:10573	NM_00675	XM_00671	.	.	NP_00674	.	protein_co	ENSG0000	6856	11507
SYPL2	0.777264	0.396986	0.819111	0.853682	0.906924	0.842278	synaptophysin like 2 [Source:HGNC Symbol;Acc:HGNC:27638]	chr1:11000	NM_00104	XM_01154	.	.	NP_00103	XP_011539	protein_co	ENSG0000	284612	27638
SYS1	12.4279	15.1336	10.557	11.3139	12.773	8.24718	Sys1 golgi trafficking protein [Source:HGNC Symbol;Acc:HGNC:16	chr20:4399	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	90196	16162
SYT1	16.5689	17.6408	22.3569	13.1651	16.395	28.6959	synaptotagmin 1 [Source:HGNC Symbol;Acc:HGNC:11509]	chr12:7925	NM_00113	XM_01701	.	.	NP_00112	XP_005269	protein_co	ENSG0000	6857	11509
SYT10	0	0	0	0	0	0	synaptotagmin 10 [Source:HGNC Symbol;Acc:HGNC:19266]	chr12:3352	NM_19899	.	.	.	NP_94534	.	protein_co	ENSG0000	341359	19266
SYT11	0.166074	0.216865	0.120293	0.139105	0.108456	0.084456	synaptotagmin 11 [Source:HGNC Symbol;Acc:HGNC:19239]	chr1:15582	NM_15228	XM_01700	.	.	NP_68949	XP_005245	protein_co	ENSG0000	23208	19239
SYT12	1.17281	1.01085	1.95105	0.882922	0.755332	0.919074	synaptotagmin 12 [Source:HGNC Symbol;Acc:HGNC:18381]	chr11:6677	NM_00117	XM_01154	.	.	NP_00117	XP_006718	protein_co	ENSG0000	91683	18381
SYT13	1.74738	1.40095	1.59136	1.84424	1.85636	1.48108	synaptotagmin 13 [Source:HGNC Symbol;Acc:HGNC:14962]	chr11:4526	NM_02082	.	.	.	NP_06587	.	protein_co	ENSG0000	57586	14962
SYT14	0	0	0	0	0	0	synaptotagmin 14 [Source:HGNC Symbol;Acc:HGNC:23143]	chr1:21011	NM_00114	XM_01150	.	.	NP_00113	XP_006711	protein_co	ENSG0000	255928	23143
SYT15	0.125804	0.119216	5.56E-06	3.08E-05	0.068206	0.031682	synaptotagmin 15 [Source:HGNC Symbol;Acc:HGNC:17167]	chr10:4695	NM_03191	XM_01154	.	.	NP_11411	XP_006718	protein_co	ENSG0000	102724488	17167
SYT16	0.006459	0	0	0	0	0	synaptotagmin 16 [Source:HGNC Symbol;Acc:HGNC:23142]	chr14:6246	NM_03191	XM_01702	.	.	NP_11412	XP_006720	protein_co	ENSG0000	83851	23142
SYT17	5.40414	3.75919	4.77657	4.95144	5.0669	4.58653	synaptotagmin 17 [Source:HGNC Symbol;Acc:HGNC:24119]	chr16:1917	NM_00130	XM_01154	.	.	NP_00129	XP_005255	protein_co	ENSG0000	51760	24119
SYT2	0	0	0	0	0	0	synaptotagmin 2 [Source:HGNC Symbol;Acc:HGNC:11510]	chr1:20231	NM_00113	XM_01700	.	.	NP_00112	XP_011507	protein_co	ENSG0000	127833	11510
SYT3	1.49247	1.78108	2.34945	2.36997	1.72732	1.83277	synaptotagmin 3 [Source:HGNC Symbol;Acc:HGNC:11511]	chr19:5111	NM_00116	XM_01152	.	.	NP_00115	XP_011525	protein_co	ENSG0000	84258	11511
SYT4	0	0	0	0	0	0	synaptotagmin 4 [Source:HGNC Symbol;Acc:HGNC:11512]	chr18:4084	NM_02078	.	.	.	NP_06583	.	protein_co	ENSG0000	6860	11512
SYT5	0.264015	0.415932	0.582909	0.221091	0.17501	0.371174	synaptotagmin 5 [Source:HGNC Symbol;Acc:HGNC:11513]	chr19:5568	NM_00129	XM_00672	.	.	NP_00128	XP_006723	protein_co	ENSG0000	6861	11513
SYT6	0	0	0.014962	0	0	0.017743	synaptotagmin 6 [Source:HGNC Symbol;Acc:HGNC:18638]	chr1:11463	NM_00127	XM_01700	.	.	NP_00125	XP_016855	protein_co	ENSG0000	148281	18638
SYT7	12.8607	14.1745	17.1572	14.3075	14.0471	15.1244	synaptotagmin 7 [Source:HGNC Symbol;Acc:HGNC:11514]	chr11:6128	NM_00125	XM_01154	.	.	NP_00123	XP_005274	protein_co	ENSG0000	9066	11514
SYT8	0.186613	0.129864	0.455228	0.070887	0	0	synaptotagmin 8 [Source:HGNC Symbol;Acc:HGNC:19264]	chr11:1855	NM_00129	XM_01152	.	.	NP_00127	XP_011518	protein_co	ENSG0000	90019	19264
SYT9	0	0	0	0	0	0.017516	synaptotagmin 9 [Source:HGNC Symbol;Acc:HGNC:19265]	chr11:7273	NM_17573	XM_01151	.	.	NP_78386	XP_011518	protein_co	ENSG0000	143425	19265
SYTL1	17.8268	15.0246	18.3524	14.0322	11.5752	19.6758	synaptotagmin like 1 [Source:HGNC Symbol;Acc:HGNC:15584]	chr1:27668	NM_00119	XM_01154	.	.	NP_00118	XP_005246	protein_co	ENSG0000	84958	15584
SYTL2	3.78917	4.13555	7.7455	2.61188	2.91744	2.81951	synaptotagmin like 2 [Source:HGNC Symbol;Acc:HGNC:15585]	chr11:8540	NM_00116	XM_01154	.	.	NP_00115	XP_005274	protein_co	ENSG0000	54843	15585
SYTL3	18.2244	15.0635	26.745	20.0109	16.2026	19.9245	synaptotagmin like 3 [Source:HGNC Symbol;Acc:HGNC:15587]	chr6:15907	NM_00100	XM_01153	.	.	NP_00100	XP_005267	protein_co	ENSG0000	94120	15587
SYTL4	2.86613	3.15674	3.43696	3.42937	2.99451	3.63605	synaptotagmin like 4 [Source:HGNC Symbol;Acc:HGNC:15588]	chrX:99929	NM_00112	XM_01153	.	.	NP_00112	XP_005262	protein_co	ENSG0000	94121	15588
SYTL5	0.056228	0.044851	0.024595	0.111505	0.062335	0.139395	synaptotagmin like 5 [Source:HGNC Symbol;Acc:HGNC:15589]	chrX:37208	NM_00116	XM_01702	.	.	NP_00115	XP_011542	protein_co	ENSG0000	94122	15589
SYVN1	26.1285	28.2239	18.0001	21.7534	18.1735	16.8961	synoviolin 1 [Source:HGNC Symbol;Acc:HGNC:20738]	chr11:6488	NM_03243	XM_01154	NR_10680	.	NP_11580	XP_011543	protein_co	ENSG0000	102465449	20738
SZRD1	83.9811	89.013	73.5196	93.3216	86.7716	71.9398	SUZ RNA binding domain containing 1 [Source:HGNC Symbol;Acc:	chr1:16693	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	26099	30232
SZT2	3.81905	3.24588	4.09452	2.76818	2.80403	3.16144	seizure threshold 2 homolog (mouse) [Source:HGNC Symbol;Acc:	chr1:43855	NM_01528	XM_01700	.	.	NP_05609	XP_005270	protein_co	ENSG0000	23334	29040
T	0	0	0	0	0	0	T brachyury transcription factor [Source:HGNC Symbol;Acc:HGNC	chr6:16657	NM_00127	XM_01153	.	.	NP_00125	XP_011534	protein_co	ENSG0000	6862	11515
TAAR1	0	0	0	0	0	0	trace amine associated receptor 1 [Source:HGNC Symbol;Acc:HG	chr6:13296	NM_13832	.	.	.	NP_61220	.	protein_co	ENSG0000	134864	17734
TAAR2	0	0	0	0	0	0	trace amine associated receptor 2 [Source:HGNC Symbol;Acc:HG	chr6:13293	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	9287	4514
TAAR5	0	0	0	0	0	0	trace amine associated receptor 5 [Source:HGNC Symbol;Acc:HG	chr6:13290	NM_00396	.	.	.	NP_00395	.	protein_co	ENSG0000	9038	30236
TAAR6	0	0	0	0	0	0	trace amine associated receptor 6 [Source:HGNC Symbol;Acc:HG	chr6:13289	NM_17506	.	.	.	NP_77823	.	protein_co	ENSG0000	319100	20978
TAAR8	0	0	0	0	0	0	trace amine associated receptor 8 [Source:HGNC Symbol;Acc:HG	chr6:13287	NM_05327	.	.	.	NP_44450	.	protein_co	ENSG0000	83551	14964
TAAR9	0	0	0	0	0	0	trace amine associated receptor 9 (gene/pseudogene) [Source:H	chr6:13285	NM_17505	.	.	.	NP_77822	.	protein_co	ENSG0000	134860	20977
TAB1	10.1672	9.6578	11.0615	9.81069	7.9295	6.69718	TGF-beta activated kinase 1 (MAP3K7) binding protein 1 [Source:	chr22:3979	NM_00611	.	.	.	NP_00610	.	protein_co	ENSG0000	10454	18157
TAB2	28.6251	27.1881	28.8746	25.1856	31.4004	35.9606	TGF-beta activated kinase 1/MAP3K7 binding protein 2 [Source:H	chr6:14963	NM_00129	XM_01701	.	.	NP_00127	XP_006715	protein_co	ENSG0000	23118	17075
TAB3	5.80182	5.87433	6.70541	5.44879	6.53078	6.45299	TGF-beta activated kinase 1/MAP3K7 binding protein 3 [Source:H	chrX:30845	NM_15278	XM_00527	.	.	NP_69000	XP_005274	protein_co	ENSG0000	257397	30681
TAC1	0	0	0	0	0	0	tachykinin precursor 1 [Source:HGNC Symbol;Acc:HGNC:11517]	chr7:97361	NM_00318	.	.	.	NP_00317	.	protein_co	ENSG0000	6863	11517
TAC3	0	0.279189	0.29139	0.737564	0.640128	0.240499	tachykinin 3 [Source:HGNC Symbol;Acc:HGNC:11521]	chr12:5740	NM_00117	XM_01153	.	.	NP_00117	XP_011537	protein_co	ENSG0000	6866	11521
TAC4	0	0	0	0	0	0	tachykinin 4 (hemokinin) [Source:HGNC Symbol;Acc:HGNC:16641	chr17:4791	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	255061	16641
TACC1	11.125	11.1208	12.0116	12.859	14.2421	16.8114	transforming acidic coiled-coil containing protein 1 [Source:HGN	chr8:38585	NM_00112	XM_01701	.	.	NP_00111	XP_005273	protein_co	ENSG0000	6867	11522
TACC2	8.33982	8.4103	7.03876	6.86266	5.63738	8.26041	transforming acidic coiled-coil containing protein 2 [Source:HGN	chr10:1237	NM_00129	XM_01701	.	.	NP_00127	XP_005269	protein_co	ENSG0000	10579	11523
TACC3	46.7294	47.9931	44.5823	81.5326	68.532	45.7004	transforming acidic coiled-coil containing protein 3 [Source:HGN	chr4:17232	NM_00634	XM_01700	.	.	NP_00633	XP_005247	protein_co	ENSG0000	10460	11524
TACO1	28.1338	28.2002	25.8887	32.619	30.5418	20.1133	translational activator of cytochrome c oxidase I [Source:HGNC S	chr17:6167	NM_01636	.	.	.	NP_05744	.	protein_co	ENSG0000	51204	24316
TACR1	0	0	0	0	0	0	tachykinin receptor 1 [Source:HGNC Symbol;Acc:HGNC:11526]	chr2:75273	NM_00105	.	.	.	NP_00104	.	protein_co	ENSG0000	6869	11526
TACR2	0	0	0	0.05519	0	0.046528	tachykinin receptor 2 [Source:HGNC Symbol;Acc:HGNC:11527]	chr10:7116	NM_00105	.	.	.	NP_00104	.	protein_co	ENSG0000	6865	11527
TACR3	0	0.039109	0	0	0	0	tachykinin receptor 3 [Source:HGNC Symbol;Acc:HGNC:11528]	chr4:10450	NM_00105	.	.	.	NP_00105	.	protein_co	ENSG0000	6870	11528

TACSTD2	2.24359	2.41615	5.13582	1.9053	2.7188	4.4128	tumor-associated calcium signal transducer 2 [Source:HGNC Sym	chr1:5904	NM_0023	.	.	.	NP_0023	.	protein_co	ENSG0000	4070	11530
TADA1	10.0535	11.4535	9.55539	12.7455	11.5108	10.2481	transcriptional adaptor 1 [Source:HGNC Symbol;Acc:HGNC:3063	chr1:1668	NM_0530	.	.	.	NP_4442	.	protein_co	ENSG0000	117143	30631
TADA2A	9.14502	8.72424	6.76153	8.26492	7.38248	8.35988	transcriptional adaptor 2A [Source:HGNC Symbol;Acc:HGNC:115	chr17:357	NM_0011	XM_01702	.	.	NP_0011	XP_00672	protein_co	ENSG0000	6871	11531
TADA2B	7.39715	7.81647	5.66398	6.59992	6.10957	6.10991	transcriptional adaptor 2B [Source:HGNC Symbol;Acc:HGNC:307	chr4:7045	NM_1522	XM_01151	.	.	NP_6895	XP_01151	protein_co	ENSG0000	93624	30781
TADA3	43.8421	41.5589	44.6579	49.2319	40.0925	53.1864	transcriptional adaptor 3 [Source:HGNC Symbol;Acc:HGNC:1942	chr3:9821	NM_0012	XM_00671	.	.	NP_0012	.	protein_co	ENSG0000	10474	19422
TAF1	7.54426	7.52127	7.65751	6.5493	7.11255	8.07637	TATA-box binding protein associated factor 1 [Source:HGNC Sym	chrX:7058	NM_0012	XM_01153	.	.	NP_0012	XP_00526	protein_co	ENSG0000	6872	11535
TAF10	61.1454	56.5998	61.7734	67.2769	51.0799	58.949	TATA-box binding protein associated factor 10 [Source:HGNC Sym	chr11:662	NM_0062	.	.	.	NP_0062	.	protein_co	ENSG0000	6881	11543
TAF11	19.5316	17.5525	23.1203	22.5343	22.9756	19.1047	TATA-box binding protein associated factor 11 [Source:HGNC Sym	chr6:3475	NM_0012	.	.	.	NP_0012	.	protein_co	ENSG0000	6882	11544
TAF12	31.7979	33.5535	32.5241	37.4582	31.9843	31.769	TATA-box binding protein associated factor 12 [Source:HGNC Sym	chr1:2892	NM_0011	.	.	.	NP_0011	.	protein_co	ENSG0000	6883	11545
TAF13	20.3874	19.6966	22.867	21.5361	24.9144	22.8389	TATA-box binding protein associated factor 13 [Source:HGNC Sym	chr1:1096	NM_0056	.	.	.	NP_0056	.	protein_co	ENSG0000	6884	11546
TAF15	113.356	109.847	104.235	113.556	125.419	128.648	TATA-box binding protein associated factor 15 [Source:HGNC Sym	chr17:341	NM_0034	XM_01152	.	.	NP_0034	XP_01152	protein_co	ENSG0000	8148	11547
TAF1A	10.3461	9.03747	8.54133	9.0922	11.7999	9.74316	TATA-box binding protein associated factor, RNA polymerase I su	chr1:2227	NM_0012	XM_00671	.	.	NP_0011	XP_00671	protein_co	ENSG0000	9015	11532
TAF1B	8.21253	7.3826	7.47799	8.84241	8.90414	10.297	TATA-box binding protein associated factor, RNA polymerase I su	chr2:9983	NM_0056	XM_01151	.	.	NP_0056	XP_01150	protein_co	ENSG0000	9014	11533
TAF1C	22.1186	22.0735	24.1991	23.707	20.9942	18.069	TATA-box binding protein associated factor, RNA polymerase I su	chr16:841	NM_0012	XM_01702	.	.	NP_0012	XP_00525	protein_co	ENSG0000	9013	11534
TAF1D	30.3279	25.9687	31.8309	19.741	27.231	32.3484	TATA-box binding protein associated factor, RNA polymerase I su	chr11:934	NM_0241	.	NR_03163	.	NP_0770	.	protein_co	ENSG0000	10030224	28759
TAF1L	0.579694	0.577092	0.600317	0.41151	0.525404	0.591332	TATA-box binding protein associated factor 1 like [Source:HGNC	chr9:3262	NM_1538	.	.	.	NP_7225	.	protein_co	ENSG0000	138474	18056
TAF2	16.779	15.8554	19.1996	15.0134	18.7287	18.7634	TATA-box binding protein associated factor 2 [Source:HGNC Sym	chr8:1207	NM_0031	XM_01151	.	.	NP_0031	XP_00671	protein_co	ENSG0000	6873	11536
TAF3	3.42054	3.97126	3.67176	3.80199	4.33043	3.33925	TATA-box binding protein associated factor 3 [Source:HGNC Sym	chr10:786	NM_0319	XM_01151	.	.	NP_1141	XP_01151	protein_co	ENSG0000	83860	17303
TAF4	7.52027	7.6819	7.40526	8.296	8.40724	7.03622	TATA-box binding protein associated factor 4 [Source:HGNC Sym	chr20:605	NM_0031	.	NR_03165	.	NP_0031	.	protein_co	ENSG0000	10030216	11537
TAF4B	7.40056	7.32116	7.97996	6.22443	6.55297	7.37217	TATA-box binding protein associated factor 4b [Source:HGNC Sym	chr18:238	NM_0012	XM_00672	.	.	NP_0012	XP_00525	protein_co	ENSG0000	6875	11538
TAF5	5.10994	4.31491	4.85486	5.10052	6.37339	5.68691	TATA-box binding protein associated factor 5 [Source:HGNC Sym	chr10:105	NM_0069	XM_01154	.	.	NP_0088	.	protein_co	ENSG0000	6877	11539
TAF5L	13.9413	14.1314	13.5489	14.1572	14.0347	11.9494	TATA-box binding protein associated factor 5 like [Source:HGNC	chr1:2297	NM_0010	XM_01154	.	.	NP_0010	XP_00527	protein_co	ENSG0000	27097	17304
TAF6	19.4454	20.9425	21.0951	23.8591	21.1602	19.5425	TATA-box binding protein associated factor 6 [Source:HGNC Sym	chr7:9969	NM_0011	XM_01151	.	.	NP_0011	XP_00671	protein_co	ENSG0000	6878	11540
TAF6L	10.8043	10.714	9.37616	13.0721	10.9138	9.01355	TATA-box binding protein associated factor 6 like [Source:HGNC	chr11:625	NM_0064	XM_00527	.	.	NP_0064	XP_00527	protein_co	ENSG0000	10629	17305
TAF7	49.0873	49.1576	42.8436	58.49	56.1671	47.2751	TATA-box binding protein associated factor 7 [Source:HGNC Sym	chr5:1406	NM_0056	.	.	.	NP_0056	.	protein_co	ENSG0000	6879	11541
TAF7L	0.209999	0.167329	0.277632	0.178625	0.14656	0.229203	TATA-box binding protein associated factor 7 like [Source:HGNC	chrX:1005	NM_0011	XM_00672	.	.	NP_0011	XP_00526	protein_co	ENSG0000	54457	11548
TAF8	6.26367	7.04328	8.90519	7.1465	6.76359	6.86649	TATA-box binding protein associated factor 8 [Source:HGNC Sym	chr6:4201	NM_1385	XM_01151	.	.	NP_6126	XP_00524	protein_co	ENSG0000	129685	17300
TAF9	70.4272	68.4853	62.6023	67.7063	76.789	70.7076	TATA-box binding protein associated factor 9 [Source:HGNC Sym	chr5:6864	NM_0010	.	.	.	NP_0010	.	protein_co	ENSG0000	6880	11542
TAF9B	10.4508	11.7543	7.88579	10.4167	10.3739	9.22578	TATA-box binding protein associated factor 9b [Source:HGNC Sym	chrX:7738	NM_0159	.	.	.	NP_0570	.	protein_co	ENSG0000	51616	17306
TAGAP	0.022441	0.053863	0.019531	0	0	0.055711	T-cell activation RhoGTPase activating protein [Source:HGNC Sym	chr6:1594	NM_0541	.	.	.	NP_0012	.	protein_co	ENSG0000	117289	15669
TAGLN	6.8803	6.47477	2.4492	8.77736	5.8221	3.33154	transgelin [Source:HGNC Symbol;Acc:HGNC:11553]	chr11:117	NM_0010	.	.	.	NP_0010	.	protein_co	ENSG0000	6876	11553
TAGLN2	133.428	135.466	98.6086	152.113	124.292	78.2932	transgelin 2 [Source:HGNC Symbol;Acc:HGNC:11554]	chr1:1598	NM_0012	.	.	.	NP_0012	.	protein_co	ENSG0000	8407	11554
TAGLN3	0.090044	0.091308	0.07837	0.492771	0.205202	0.286231	transgelin 3 [Source:HGNC Symbol;Acc:HGNC:29868]	chr3:1117	NM_0010	.	.	.	NP_0010	.	protein_co	ENSG0000	29114	29868
TAL1	0	0	0	0	0	0	TAL bHLH transcription factor 1, erythroid differentiation factor [	chr1:4768	NM_0012	XM_01700	.	.	NP_0012	XP_00527	protein_co	ENSG0000	6886	11556
TAL2	0.388101	0.265837	0	0	0.292999	0	TAL bHLH transcription factor 2 [Source:HGNC Symbol;Acc:HGNC	chr9:1084	NM_0054	.	.	.	NP_0054	.	protein_co	ENSG0000	6887	11557
TALDO1	133.144	136.335	127.593	171.567	135.669	136.246	transaldolase 1 [Source:HGNC Symbol;Acc:HGNC:11559]	chr11:747	NM_0067	.	.	.	NP_0067	.	protein_co	ENSG0000	6888	11559
TAMM41	11.1826	11.8993	10.9768	13.4026	6.70485	8.69818	TAM41 mitochondrial translocator assembly and maintenance ho	chr3:1183	NM_0012	XM_01153	.	.	NP_0012	XP_00526	protein_co	ENSG0000	132001	25187
TANC1	4.86213	5.27415	6.66449	5.44246	5.66668	5.14838	tetratricopeptide repeat, ankyrin repeat and coiled-coil containin	chr2:1598	NM_0011	XM_01700	.	.	NP_0011	XP_00524	protein_co	ENSG0000	85461	29364
TANC2	5.55594	6.25469	7.96491	4.92934	5.65443	6.06053	tetratricopeptide repeat, ankyrin repeat and coiled-coil containin	chr17:610	NM_0251	XM_01702	.	.	NP_0794	XP_00525	protein_co	ENSG0000	26115	30212
TANGO2	8.4962	8.54713	8.36319	8.26533	6.77217	6.44715	transport and golgi organization 2 homolog [Source:HGNC Symbo	chr22:200	NM_0012	XM_01152	.	.	NP_0012	XP_00526	protein_co	ENSG0000	128989	25439
TANGO6	4.43306	5.01112	4.29999	4.91099	4.92445	4.20779	transport and golgi organization 6 homolog [Source:HGNC Symbo	chr16:688	NM_0245	.	.	.	NP_0788	.	protein_co	ENSG0000	79613	25749
TANK	37.9385	35.5295	43.5171	74.5606	78.9664	91.3652	TRAF family member associated NFKB activator [Source:HGNC Sy	chr2:1619	NM_0011	XM_01700	.	.	NP_0011	XP_00524	protein_co	ENSG0000	10010	11562
TAOK1	12.272	13.6063	13.528	10.541	15.5725	17.7964	TAO kinase 1 [Source:HGNC Symbol;Acc:HGNC:29259]	chr17:277	NM_0207	XM_01152	NR_03974	.	NP_0658	XP_01152	protein_co	ENSG0000	10061612	29259
TAOK2	21.5018	22.8343	23.7186	23.3513	22.4803	20.264	TAO kinase 2 [Source:HGNC Symbol;Acc:HGNC:16835]	chr16:299	NM_0012	XM_01154	.	.	NP_0012	XP_01154	protein_co	ENSG0000	9344	16835
TAOK3	3.86665	3.53449	4.18961	3.55087	3.55162	4.12754	TAO kinase 3 [Source:HGNC Symbol;Acc:HGNC:18133]	chr12:118	NM_0162	XM_01153	.	.	NP_0573	XP_00525	protein_co	ENSG0000	51347	18133
TAP1	37.4951	34.5553	30.7389	29.7065	27.9904	25.6425	transporter 1, ATP binding cassette subfamily B member [Source:	chr6:3280	NM_0005	.	.	.	NP_0005	.	protein_co	ENSG0000	6890	43
TAP2	30.8233	34.0561	21.3718	29.8127	26.5716	19.5916	transporter 2, ATP binding cassette subfamily B member [Source:	chr6:3278	NM_0005	.	.	.	NP_0005	.	protein_co	ENSG0000	6891	44
TAPBP	50.1001	52.5303	44.8133	22.8389	25.481	24.8091	TAP binding protein (tapasin) [Source:HGNC Symbol;Acc:HGNC:1	chr6:3326	NM_0031	.	.	.	NP_0031	XP_01686	protein_co	ENSG0000	6892	11566
TAPBPL	0.100925	0.123422	0.107017	0	0.047746	0.110774	TAP binding protein like [Source:HGNC Symbol;Acc:HGNC:30683]	chr12:656	NM_0180	XM_00525	.	.	NP_0604	XP_00525	protein_co	ENSG0000	55080	30683
TAPT1	2.69402	2.78695	2.21581	3.0378	3.53276	3.2596	transmembrane anterior posterior transformation 1 [Source:HGN	chr4:1616	NM_1533	XM_01151	.	.	NP_6991	XP_00524	protein_co	ENSG0000	202018	26887
TARBP1	3.24523	3.29254	3.77161	1.80548	2.45531	2.25591	TAR (HIV-1) RNA binding protein 1 [Source:HGNC Symbol;Acc:HG	chr1:2345	NM_0056	XM_01154	.	.	NP_0056	XP_00527	protein_co	ENSG0000	6894	11568
TARBP2	26.8374	25.7799	21.7764	31.2502	27.466	16.9796	TARBP2, RISC loading complex RNA binding subunit [Source:HGN	chr12:538	NM_0041	XM_01153	.	.	NP_0041	XP_00526	protein_co	ENSG0000	6895	11569
TARDBP	98.5644	91.8826	80.4052	100.365	111.991	88.6772	TAR DNA binding protein [Source:HGNC Symbol;Acc:HGNC:1157	chr1:1107	NM_0073	.	.	.	NP_0314	XP_01685	protein_co	ENSG0000	23435	11571
TARM1	0	0	0	0	0	0	T cell-interacting, activating receptor on myeloid cells 1 [Source:H	chr19:545	NM_0011	XM_00527	.	.	NP_0011	XP_00527	protein_co	ENSG0000	441864	37250
TARS	109.621	110.04	82.2988	98.7365	91.854	158.435	threonyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:1157	chr5:3344	NM_0012	.	.	.	NP_0012	.	protein_co	ENSG0000	6897	11572
TARS2	8.76251	8.2772	9.52535	9.42227	7.8456	8.2286	threonyl-tRNA synthetase 2, mitochondrial (putative) [Source:HG	chr1:1504	NM_0012	XM_01151	NR_10693	.	NP_0012	XP_00671	protein_co	ENSG0000	10246552	30740
TARSL2	4.58936	3.92437	4.17742	4.1988	4.59731	4.57278	threonyl-tRNA synthetase like 2 [Source:HGNC Symbol;Acc:HGNC	chr15:102	NM_1523	XM_00672	.	.	NP_6895	XP_00672	protein_co	ENSG0000	123283	24728
TAS1R1	0	0	0.026252	0	0	0	taste 1 receptor member 1 [Source:HGNC Symbol;Acc:HGNC:144	chr1:6615	NM_1386	.	.	.	NP_6196	XP_01154	protein_co	ENSG0000	80835	14448
TAS1R2	0	0	0	0	0	0	taste 1 receptor member 2 [Source:HGNC Symbol;Acc:HGNC:149	chr1:1916	NM_1522	.	.	.	NP_6894	.	protein_co	ENSG0000	80834	14905

TAS1R3	0.027165	0	0	0.057231	0.031982	0.030821	taste 1 receptor member 3 [Source:HGNC Symbol;Acc:HGNC:156	chr1:12666	NM_15222	XM_01154	.	.	NP_68941	.	protein_co	ENSG0000	83756	15661
TAS2R1	0	0	0	0	0	0	taste 2 receptor member 1 [Source:HGNC Symbol;Acc:HGNC:149	chr5:96291	NM_01959	.	.	.	NP_06254	.	protein_co	ENSG0000	50834	14909
TAS2R10	0.220951	0.120671	0.19054	0	0	0.103805	taste 2 receptor member 10 [Source:HGNC Symbol;Acc:HGNC:14	chr12:1097	NM_02392	.	.	.	NP_07641	.	protein_co	ENSG0000	50839	14918
TAS2R13	0	0	0.047083	0	0.058983	0.051598	taste 2 receptor member 13 [Source:HGNC Symbol;Acc:HGNC:14	chr12:1099	NM_02392	.	.	.	NP_07640	.	protein_co	ENSG0000	50838	14919
TAS2R14	0.545752	0.599909	0.575314	0.494732	0.59047	0.906669	taste 2 receptor member 14 [Source:HGNC Symbol;Acc:HGNC:14	chr12:1099	NM_02392	.	.	.	NP_07641	.	protein_co	ENSG0000	50840	14920
TAS2R16	0	0	0	0	0	0	taste 2 receptor member 16 [Source:HGNC Symbol;Acc:HGNC:14	chr7:12263	NM_01694	.	.	.	NP_05864	.	protein_co	ENSG0000	50833	14921
TAS2R19	0.106044	0.114457	0.091915	0.121508	0.348915	0.309646	taste 2 receptor member 19 [Source:HGNC Symbol;Acc:HGNC:19	chr12:1099	NM_17688	.	.	.	NP_79536	.	protein_co	ENSG0000	259294	19108
TAS2R20	0.383383	0.083551	0.265287	0.353214	0.416115	0.36325	taste 2 receptor member 20 [Source:HGNC Symbol;Acc:HGNC:19	chr12:1099	NM_17688	.	.	.	NP_79537	.	protein_co	ENSG0000	259295	19109
TAS2R3	0.317431	0.503373	0.685992	0.355781	0.176864	0.158985	taste 2 receptor member 3 [Source:HGNC Symbol;Acc:HGNC:149	chr7:14143	NM_01694	.	.	.	NP_05863	.	protein_co	ENSG0000	50831	14910
TAS2R30	0	0.06016	0	0	0.061002	0.106355	taste 2 receptor member 30 [Source:HGNC Symbol;Acc:HGNC:19	chr12:1099	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	259293	19112
TAS2R31	0	0	0.092984	0.122416	0	0.20774	taste 2 receptor member 31 [Source:HGNC Symbol;Acc:HGNC:19	chr12:1099	NM_17688	.	.	.	NP_79536	.	protein_co	ENSG0000	259290	19113
TAS2R38	0	0	0	0	0	0	taste 2 receptor member 38 [Source:HGNC Symbol;Acc:HGNC:95	chr7:14167	NM_17681	.	.	.	NP_78978	.	protein_co	ENSG0000	5726	9584
TAS2R39	0	0	0	0	0	0	taste 2 receptor member 39 [Source:HGNC Symbol;Acc:HGNC:18	chr7:14288	NM_17688	.	.	.	NP_79536	.	protein_co	ENSG0000	259285	18886
TAS2R4	0.783796	0.650965	0.710434	0.580409	0.564925	0.702781	taste 2 receptor member 4 [Source:HGNC Symbol;Acc:HGNC:149	chr7:14143	NM_01694	.	.	.	NP_05864	.	protein_co	ENSG0000	50832	14911
TAS2R40	0	0	0	0	0	0	taste 2 receptor member 40 [Source:HGNC Symbol;Acc:HGNC:18	chr7:14291	NM_17688	.	.	.	NP_79536	.	protein_co	ENSG0000	259286	18885
TAS2R41	0	0	0	0	0	0	taste 2 receptor member 41 [Source:HGNC Symbol;Acc:HGNC:18	chr7:14317	NM_17688	.	.	.	NP_79536	.	protein_co	ENSG0000	259287	18883
TAS2R42	0	0	0	0	0	0	taste 2 receptor member 42 [Source:HGNC Symbol;Acc:HGNC:18	chr12:1133	NM_18142	.	.	.	NP_85209	.	protein_co	ENSG0000	353164	18888
TAS2R43	0	0	0	0.114665	0	0	taste 2 receptor member 43 [Source:HGNC Symbol;Acc:HGNC:18	chr12:1099	NM_17688	.	.	.	NP_79536	.	protein_co	ENSG0000	259291	18875
TAS2R46	0.114804	0	0.198791	0	0	0	taste 2 receptor member 46 [Source:HGNC Symbol;Acc:HGNC:18	chr12:1099	NM_17688	.	.	.	NP_79536	.	protein_co	ENSG0000	259292	18877
TAS2R5	1.84137	1.82546	1.59834	2.04227	1.77294	1.3452	taste 2 receptor member 5 [Source:HGNC Symbol;Acc:HGNC:149	chr7:14149	NM_01898	.	.	.	NP_06185	.	protein_co	ENSG0000	54429	14912
TAS2R50	0.107631	0	0	0	0	0	taste 2 receptor member 50 [Source:HGNC Symbol;Acc:HGNC:18	chr12:1099	NM_17689	.	.	.	NP_79537	.	protein_co	ENSG0000	259296	18882
TAS2R60	0	0	0	0	0	0	taste 2 receptor member 60 [Source:HGNC Symbol;Acc:HGNC:20	chr7:14314	NM_17743	.	.	.	NP_80318	.	protein_co	ENSG0000	338398	20639
TAS2R7	0	0	0	0	0	0	taste 2 receptor member 7 [Source:HGNC Symbol;Acc:HGNC:149	chr12:1095	NM_02391	.	.	.	NP_07640	.	protein_co	ENSG0000	50837	14913
TAS2R8	0	0.186287	0	0	0	0	taste 2 receptor member 8 [Source:HGNC Symbol;Acc:HGNC:149	chr12:1095	NM_02391	.	.	.	NP_07640	.	protein_co	ENSG0000	50836	14915
TAS2R9	0.097359	0	0	0	0	0	taste 2 receptor member 9 [Source:HGNC Symbol;Acc:HGNC:149	chr12:1096	NM_02391	.	.	.	NP_07640	.	protein_co	ENSG0000	50835	14917
TASP1	5.15511	4.89328	5.66448	5.61619	4.54118	5.47969	taspase 1 [Source:HGNC Symbol;Acc:HGNC:15859]	chr20:1337	NM_01771	XM_01152	.	XR_001754	NP_06018	XP_011527	protein_co	ENSG0000	55617	15859
TAT	0.021483	0.022659	0.037207	0.024138	0.047798	0.064666	tyrosine aminotransferase [Source:HGNC Symbol;Acc:HGNC:1157	chr16:7159	NM_00035	.	.	.	NP_00034	.	protein_co	ENSG0000	6898	11573
TATDN1	67.2501	53.5177	67.3121	56.8212	74.5959	75.4315	TatD DNase domain containing 1 [Source:HGNC Symbol;Acc:HGN	chr8:12550	NM_00114	XM_01701	NR_10690	.	NP_00113	XP_006716	protein_co	ENSG0000	102466200	24220
TATDN2	15.4026	16.2218	15.2703	13.1473	12.9953	9.66658	TatD DNase domain containing 2 [Source:HGNC Symbol;Acc:HGN	chr3:10289	NM_01476	.	.	.	NP_05557	.	protein_co	ENSG0000	9797	28988
TATDN3	11.191	10.3397	8.88801	11.0561	10.6094	12.872	TatD DNase domain containing 3 [Source:HGNC Symbol;Acc:HGN	chr1:21296	NM_00104	XM_01150	.	.	NP_00103	XP_011507	protein_co	ENSG0000	128387	27010
TAX1BP1	30.2388	31.0568	35.6172	27.9294	34.1304	45.5792	Tax1 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:11575]	chr7:27778	NM_00107	XM_00524	.	.	NP_00107	XP_005249	protein_co	ENSG0000	8887	11575
TAX1BP3	48.5738	51.3067	50.0137	41.179	35.2687	28.9151	Tax1 binding protein 3 [Source:HGNC Symbol;Acc:HGNC:30684]	chr17:3566	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	30851	30684
TAZ	9.56695	8.57178	8.79718	8.98435	7.14133	8.00793	tafazzin [Source:HGNC Symbol;Acc:HGNC:11577]	chrX:15362	NM_00011	XM_01153	.	.	NP_00010	XP_006724	protein_co	ENSG0000	6901	11577
TBATA	0	0.04596	0.039357	0	0	0	thymus, brain and testes associated [Source:HGNC Symbol;Acc:H	chr10:7253	NM_00131	XM_01153	.	.	NP_00130	XP_005269	protein_co	ENSG0000	219793	23511
TBC1D1	17.3806	19.8595	23.35	19.6253	21.1966	22.0907	TBC1 domain family member 1 [Source:HGNC Symbol;Acc:HGNC:	chr4:37892	NM_00125	XM_01151	.	.	NP_00124	XP_005262	protein_co	ENSG0000	23216	11578
TBC1D10A	7.56533	8.23401	9.34784	6.43891	5.73395	5.58643	TBC1 domain family member 10A [Source:HGNC Symbol;Acc:HGN	chr22:3068	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	83874	23609
TBC1D10B	21.6857	22.4419	19.4986	23.5943	18.7689	18.4221	TBC1 domain family member 10B [Source:HGNC Symbol;Acc:HGN	chr16:3036	NM_01552	.	.	.	NP_05634	.	protein_co	ENSG0000	26000	24510
TBC1D10C	0	0	0	0.128321	0	0	TBC1 domain family member 10C [Source:HGNC Symbol;Acc:HGN	chr11:6717	NM_00125	XM_01154	.	.	NP_00124	XP_006718	protein_co	ENSG0000	374403	24702
TBC1D12	3.38618	3.1908	4.15714	3.68287	3.56766	4.89689	TBC1 domain family member 12 [Source:HGNC Symbol;Acc:HGN	chr10:9616	NM_01518	XM_01153	.	.	NP_05600	XP_006717	protein_co	ENSG0000	23232	29082
TBC1D13	6.4611	6.34392	6.33584	6.35648	5.36489	4.38455	TBC1 domain family member 13 [Source:HGNC Symbol;Acc:HGN	chr9:13154	NM_00128	XM_00525	.	.	NP_00127	XP_005252	protein_co	ENSG0000	54662	25571
TBC1D14	35.6469	37.7136	34.6252	34.1347	34.5694	31.1085	TBC1 domain family member 14 [Source:HGNC Symbol;Acc:HGN	chr4:69111	NM_00111	XM_01700	.	.	NP_00110	XP_005248	protein_co	ENSG0000	57533	29246
TBC1D15	12.4417	13.8128	10.8575	11.9538	13.067	15.1279	TBC1 domain family member 15 [Source:HGNC Symbol;Acc:HGN	chr12:7223	NM_00114	XM_01153	.	.	NP_00113	XP_006719	protein_co	ENSG0000	64786	25694
TBC1D16	9.55058	10.7344	12.3447	11.374	11.1475	11.8306	TBC1 domain family member 16 [Source:HGNC Symbol;Acc:HGN	chr17:7790	NM_00127	XM_01702	.	.	NP_00125	XP_005257	protein_co	ENSG0000	125058	28356
TBC1D17	10.6674	10.3254	9.76775	8.91449	8.21163	8.27669	TBC1 domain family member 17 [Source:HGNC Symbol;Acc:HGN	chr19:5037	NM_00116	XM_01152	NR_03990	.	NP_00116	XP_011525	protein_co	ENSG0000	100616314	25699
TBC1D19	4.65952	3.43892	3.75694	2.88518	4.26132	9.67408	TBC1 domain family member 19 [Source:HGNC Symbol;Acc:HGN	chr4:26585	NM_00129	XM_01151	.	.	NP_00127	XP_016863	protein_co	ENSG0000	55296	25624
TBC1D2	4.22259	4.69768	4.39402	4.23042	4.19797	4.44153	TBC1 domain family member 2 [Source:HGNC Symbol;Acc:HGNC:	chr9:10096	NM_00126	XM_01151	.	.	NP_00125	XP_011517	protein_co	ENSG0000	55357	18026
TBC1D20	13.9286	14.9465	12.4499	14.4004	13.9765	20.2497	TBC1 domain family member 20 [Source:HGNC Symbol;Acc:HGN	chr20:4161	NM_14462	XM_00672	.	.	NP_65322	XP_005260	protein_co	ENSG0000	128637	16133
TBC1D21	0	0	0	0	0	0	TBC1 domain family member 21 [Source:HGNC Symbol;Acc:HGN	chr15:7416	NM_00128	XM_01152	.	.	NP_00127	XP_006720	protein_co	ENSG0000	161514	28536
TBC1D22A	9.69816	9.52991	9.46758	8.65818	7.76424	7.53023	TBC1 domain family member 22A [Source:HGNC Symbol;Acc:HGN	chr22:4715	NM_00128	XM_01702	.	.	NP_00127	XP_011528	protein_co	ENSG0000	25771	1309
TBC1D22B	5.96443	6.8122	6.36165	6.07271	5.50197	7.33346	TBC1 domain family member 22B [Source:HGNC Symbol;Acc:HGN	chr6:37225	NM_01777	XM_01151	.	.	NP_06024	XP_011513	protein_co	ENSG0000	55633	21602
TBC1D23	5.66568	5.90099	6.3652	5.28405	7.09023	7.20174	TBC1 domain family member 23 [Source:HGNC Symbol;Acc:HGN	chr3:99979	NM_00119	XM_01700	.	.	NP_00118	XP_011511	protein_co	ENSG0000	55773	25622
TBC1D24	7.29022	8.12652	7.62982	7.3013	7.41529	7.19725	TBC1 domain family member 24 [Source:HGNC Symbol;Acc:HGN	chr16:2525	NM_00119	XM_01702	.	.	NP_00118	XP_016878	protein_co	ENSG0000	57465	29203
TBC1D25	4.15511	3.92396	3.91096	3.24558	2.87129	2.87115	TBC1 domain family member 25 [Source:HGNC Symbol;Acc:HGN	chrX:48397	NM_00253	.	.	.	NP_00252	.	protein_co	ENSG0000	4943	8092
TBC1D26	0.042347	0.176288	0.184367	0.046427	0.096497	0	TBC1 domain family member 26 [Source:HGNC Symbol;Acc:HGN	chr17:1563	.	.	.	.	.	.	protein_co	ENSG0000	.	28745
TBC1D28	0	0	0.070142	0.038657	0	0	TBC1 domain family member 28 [Source:HGNC Symbol;Acc:HGN	chr17:1853	NM_00103	XM_01152	.	.	NP_00103	XP_011522	protein_co	ENSG0000	254272	26858
TBC1D29	0	0.043173	0.018517	0	0	0.045331	TBC1 domain family member 29 [Source:HGNC Symbol;Acc:HGN	chr17:2888	NM_01559	XM_01152	.	.	NP_05640	XP_011522	protein_co	ENSG0000	26083	24509
TBC1D2B	6.55936	6.5178	6.93209	5.63855	5.77592	5.13859	TBC1 domain family member 2B [Source:HGNC Symbol;Acc:HGN	chr15:7828	NM_01507	XM_01152	.	.	NP_05589	XP_011519	protein_co	ENSG0000	23102	29183
TBC1D3	0.994143	0.940363	0.988902	1.14636	0.669262	0.868706	TBC1 domain family member 3 [Source:HGNC Symbol;Acc:HGNC:	chr17:3633	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	729873	19031
TBC1D30	7.61747	8.0761	7.43191	10.2118	7.43573	6.09663	TBC1 domain family member 30 [Source:HGNC Symbol;Acc:HGN	chr12:6517	NM_01527	XM_01701	.	.	NP_05609	XP_011536	protein_co	ENSG0000	23329	29164

TBC1D31	5.25418	4.69833	5.69656	5.82466	6.47953	7.83452	TBC1 domain family member 31 [Source:HGNC Symbol;Acc:HGN	chr8:12408	NM_00114	XM_01701	.	.	NP_001138	XP_005251	protein_co	ENSG0000	93594	30888
TBC1D32	1.77108	1.37248	2.47177	1.08393	2.01539	2.75524	TBC1 domain family member 32 [Source:HGNC Symbol;Acc:HGN	chr6:12140	NM_15273	XM_01153	.	.	NP_689943	XP_005266	protein_co	ENSG0000	221322	21485
TBC1D3B	0	0	0	0	0	0	TBC1 domain family member 3B [Source:HGNC Symbol;Acc:HGN	chr17:3449	NM_00100	XM_00525	.	.	NP_001001	XP_005258	protein_co	ENSG0000	414059	27011
TBC1D3C	0	0	0.023629	0	0	0	TBC1 domain family member 3C [Source:HGNC Symbol;Acc:HGN	chr17:3458	NM_00100	XM_01152	.	.	NP_001001	XP_006721	protein_co	ENSG0000	414060	24889
TBC1D3D	0	0	0	0	0	0	TBC1 domain family member 3D [Source:HGNC Symbol;Acc:HGN	chr17:3458	NM_00129	XM_01152	.	.	NP_001278	XP_006722	protein_co	ENSG0000	101060389	28944
TBC1D3E	0	0	0	0	0	0	TBC1 domain family member 3E [Source:HGNC Symbol;Acc:HGN	chr17:3449	NM_00129	XM_00672	.	.	NP_001278	XP_006722	protein_co	ENSG0000	102723859	27071
TBC1D3F	1.12168	0.980828	0.943696	0.52271	0.430439	0.973736	TBC1 domain family member 3F [Source:HGNC Symbol;Acc:HGN	chr17:3628	NM_03225	.	.	.	NP_115634	.	protein_co	ENSG0000	84218	18257
TBC1D3G	0	0	0	0	0	0	TBC1 domain family member 3G [Source:HGNC Symbol;Acc:HGN	chr17:3458	NM_00129	XM_00527	.	.	NP_001278	XP_005276	protein_co	ENSG0000	101060321	29860
TBC1D3H	0	0	0	0	0	0	TBC1 domain family member 3H [Source:HGNC Symbol;Acc:HGN	chr17:3458	NM_00112	XM_01152	.	.	NP_001116	XP_006722	protein_co	ENSG0000	729877	30708
TBC1D3I	0	0	0	0	0	0	TBC1 domain family member 3I [Source:HGNC Symbol;Acc:HGNC	chr17:3458	NM_00129	XM_01152	.	.	NP_001278	XP_006722	protein_co	ENSG0000	102724862	32709
TBC1D3K	2.08E-05	1.67E-05	1.26E-05	2.44E-05	0.217329	1.55E-05	TBC1 domain family member 3K [Source:HGNC Symbol;Acc:HGN	chr17:3628	NM_00129	XM_01152	.	.	NP_001278	XP_006722	protein_co	ENSG0000	102723859	51245
TBC1D3L	0	0	0	0	0	0	TBC1 domain family member 3L [Source:HGNC Symbol;Acc:HGN	chr17:3633	NM_00129	XM_01152	.	.	NP_001278	XP_006722	protein_co	ENSG0000	101060376	51246
TBC1D4	11.8836	12.4883	14.7846	8.95733	11.1313	9.48535	TBC1 domain family member 4 [Source:HGNC Symbol;Acc:HGNC:	chr13:7585	NM_00128	XM_01153	.	.	NP_001273	XP_005266	protein_co	ENSG0000	9882	19165
TBC1D5	7.82222	9.36194	9.1473	6.44028	7.16507	7.00858	TBC1 domain family member 5 [Source:HGNC Symbol;Acc:HGNC:	chr3:17198	NM_00113	XM_01153	.	.	NP_001127	XP_005265	protein_co	ENSG0000	9779	19166
TBC1D7	10.8965	10.0667	9.7644	11.3734	9.38366	10.0876	TBC1 domain family member 7 [Source:HGNC Symbol;Acc:HGNC:	chr6:13305	NM_00114	XM_01151	.	.	NP_001137	XP_005249	protein_co	ENSG0000	107080638	21066
TBC1D8	13.0021	11.2651	13.0003	12.1894	12.7826	18.1272	TBC1 domain family member 8 [Source:HGNC Symbol;Acc:HGNC:	chr2:10161	NM_00110	XM_01151	.	.	NP_001095	XP_005263	protein_co	ENSG0000	11138	17791
TBC1D8B	3.75554	3.61612	4.87306	2.95585	4.60789	5.16763	TBC1 domain family member 8B [Source:HGNC Symbol;Acc:HGN	chrX:10604	NM_01775	XM_00672	.	.	NP_060222	XP_006724	protein_co	ENSG0000	54885	24715
TBC1D9	5.10611	5.63423	5.02893	3.64208	3.9854	4.81331	TBC1 domain family member 9 [Source:HGNC Symbol;Acc:HGNC:	chr4:14154	NM_01513	.	.	.	NP_055945	.	protein_co	ENSG0000	23158	21710
TBC1D9B	32.96	33.0108	36.9345	34.7391	31.4194	27.0212	TBC1 domain family member 9B [Source:HGNC Symbol;Acc:HGN	chr5:17928	NM_01504	.	.	.	NP_055858	.	protein_co	ENSG0000	23061	29097
TBCA	241.575	232.281	205.35	256.045	225.578	263.42	tubulin folding cofactor A [Source:HGNC Symbol;Acc:HGNC:1157	chr5:76986	NM_00129	.	.	.	NP_001284	.	protein_co	ENSG0000	6902	11579
TBCB	92.9811	86.3738	81.8086	104.208	82.668	82.185	tubulin folding cofactor B [Source:HGNC Symbol;Acc:HGNC:1989]	chr19:3660	NM_00128	.	.	.	NP_001272	.	protein_co	ENSG0000	1155	1989
TBCC	21.6097	22.305	20.4673	24.6956	23.2426	18.024	tubulin folding cofactor C [Source:HGNC Symbol;Acc:HGNC:1158	chr6:42712	NM_00319	.	.	.	NP_003183	.	protein_co	ENSG0000	6903	11580
TBCCD1	11.7865	11.3766	10.4565	11.7777	11.5685	10.5504	TBCC domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2554	chr3:18625	NM_00113	.	.	.	NP_001127	.	protein_co	ENSG0000	55171	25546
TBCD	31.3443	32.5467	35.7489	44.6519	40.24	37.0259	tubulin folding cofactor D [Source:HGNC Symbol;Acc:HGNC:1158	chr17:8070	NM_00599	XM_01152	.	.	NP_005984	XP_005256	protein_co	ENSG0000	6904	11581
TBCE	12.5535	12.2255	11.4157	15.0864	15.3159	13.3929	tubulin folding cofactor E [Source:HGNC Symbol;Acc:HGNC:11582	chr1:23553	NM_00107	.	.	.	NP_001072	.	protein_co	ENSG0000	6905	11582
TBCEL	6.96106	6.66491	5.9441	5.37635	6.46109	6.46457	tubulin folding cofactor E like [Source:HGNC Symbol;Acc:HGNC:2	chr11:1208	NM_00113	XM_01701	.	.	NP_001123	XP_016872	protein_co	ENSG0000	219899	28115
TBCK	5.4369	4.81952	4.81807	4.24941	5.10186	5.26176	TBC1 domain containing kinase [Source:HGNC Symbol;Acc:HGNC	chr4:10696	NM_00116	XM_01153	.	.	NP_001156	XP_011530	protein_co	ENSG0000	93627	28261
TBK1	14.9112	15.3648	13.6192	14.8017	17.7201	17.3742	TANK binding kinase 1 [Source:HGNC Symbol;Acc:HGNC:11584]	chr12:6484	NM_01325	XM_00526	.	.	NP_037386	XP_005268	protein_co	ENSG0000	29110	11584
TBKBP1	5.95954	5.30879	5.82173	5.78486	5.26105	4.55124	TBK1 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:30140]	chr17:4577	NM_01472	XM_01152	.	.	NP_055541	XP_005257	protein_co	ENSG0000	9755	30140
TBL1X	11.4919	13.0024	10.5676	8.17988	8.63625	12.2113	transducin beta like 1X-linked [Source:HGNC Symbol;Acc:HGNC:1	chrX:94313	NM_00113	XM_01154	.	.	NP_001132	XP_011543	protein_co	ENSG0000	6907	11585
TBL1XR1	26.0845	28.9203	21.6984	23.274	25.0695	28.4328	transducin beta like 1 X-linked receptor 1 [Source:HGNC Symbol;A	chr3:17673	NM_00132	XM_01151	.	.	NP_001308	XP_005247	protein_co	ENSG0000	79718	29529
TBL1Y	0.028338	0	0	0	0	0	transducin beta like 1, Y-linked [Source:HGNC Symbol;Acc:HGNC:	chrY:67787	NM_03328	XM_00526	.	.	NP_150600	XP_005262	protein_co	ENSG0000	90665	18502
TBL2	21.1531	21.6889	17.9311	21.6772	20.4785	20.9539	transducin beta like 2 [Source:HGNC Symbol;Acc:HGNC:11586]	chr7:72983	NM_01245	XM_01151	.	.	NP_036585	XP_006715	protein_co	ENSG0000	26608	11586
TBL3	37.7509	37.2073	34.7691	45.5591	38.4686	25.5432	transducin beta like 3 [Source:HGNC Symbol;Acc:HGNC:11587]	chr16:2022	NM_00645	.	.	.	NP_006444	.	protein_co	ENSG0000	10607	11587
TBP	13.8132	14.8622	11.1927	16.0371	17.1361	13.0237	TATA-box binding protein [Source:HGNC Symbol;Acc:HGNC:1158	chr6:17086	NM_00117	.	.	.	NP_001165	.	protein_co	ENSG0000	6908	11588
TBPL1	15.4608	16.5902	17.2663	21.409	23.7175	26.0724	TATA-box binding protein like 1 [Source:HGNC Symbol;Acc:HGNC	chr6:13427	NM_00125	.	.	.	NP_001240	XP_016867	protein_co	ENSG0000	9519	11589
TBPL2	0.077791	0	0	0	0	0	TATA-box binding protein like 2 [Source:HGNC Symbol;Acc:HGNC	chr14:5588	NM_19904	.	.	.	NP_950248	.	protein_co	ENSG0000	387332	19841
TBR1	0	0	0.071141	0.258164	0	0.027693	T-box, brain 1 [Source:HGNC Symbol;Acc:HGNC:11590]	chr2:16227	NM_00659	.	.	.	NP_006584	.	protein_co	ENSG0000	10716	11590
TBRG1	12.0642	12.2477	8.95505	9.4589	8.9363	9.89344	transforming growth factor beta regulator 1 [Source:HGNC Symb	chr11:1244	NM_03281	.	.	.	NP_116200	.	protein_co	ENSG0000	84897	29551
TBRG4	55.1049	55.8549	55.4905	74.2798	62.4445	55.1514	transforming growth factor beta regulator 4 [Source:HGNC Symb	chr7:45139	NM_00126	.	.	.	NP_001248	.	protein_co	ENSG0000	9238	17443
TBX1	0.907952	0.920035	0.819359	1.153	1.09299	0.966419	T-box 1 [Source:HGNC Symbol;Acc:HGNC:11592]	chr22:1974	NM_00599	XM_01702	.	.	NP_005983	XP_006724	protein_co	ENSG0000	6899	11592
TBX10	0	0	0.081828	0	0	0	T-box 10 [Source:HGNC Symbol;Acc:HGNC:11593]	chr11:6739	NM_00599	XM_01154	.	.	NP_005986	XP_011543	protein_co	ENSG0000	347853	11593
TBX15	0	0	0.052222	0	0	0.020737	T-box 15 [Source:HGNC Symbol;Acc:HGNC:11594]	chr1:11942	NM_15238	XM_00527	.	.	NP_689593	XP_005271	protein_co	ENSG0000	6913	11594
TBX18	2.8399	3.53332	3.05274	3.36872	3.05197	2.20971	T-box 18 [Source:HGNC Symbol;Acc:HGNC:11595]	chr6:85397	NM_00108	.	.	.	NP_001073	.	protein_co	ENSG0000	9096	11595
TBX19	1.07735	1.43115	1.5912	0.968874	0.867495	0.856243	T-box 19 [Source:HGNC Symbol;Acc:HGNC:11596]	chr1:16825	NM_00514	.	.	.	NP_005140	.	protein_co	ENSG0000	9095	11596
TBX2	0.159614	0.18497	0.108566	0.101516	0.075257	0.2515	T-box 2 [Source:HGNC Symbol;Acc:HGNC:11597]	chr17:5947	NM_00599	XM_01152	.	.	NP_005985	XP_011523	protein_co	ENSG0000	6909	11597
TBX20	0	0	0	0	0.049191	0	T-box 20 [Source:HGNC Symbol;Acc:HGNC:11598]	chr7:35242	NM_00107	.	.	.	NP_001071	.	protein_co	ENSG0000	57057	11598
TBX21	0.033162	0	0.086116	0.14333	0.038356	0	T-box 21 [Source:HGNC Symbol;Acc:HGNC:11599]	chr17:4581	NM_01335	XM_01152	.	.	NP_037483	XP_011523	protein_co	ENSG0000	30009	11599
TBX22	0	0	0	0	0	0	T-box 22 [Source:HGNC Symbol;Acc:HGNC:11600]	chrX:79270	NM_00110	XM_01153	.	.	NP_001103	XP_005262	protein_co	ENSG0000	50945	11600
TBX3	3.05184	3.31154	3.17773	5.31994	5.33745	4.28512	T-box 3 [Source:HGNC Symbol;Acc:HGNC:11602]	chr12:1151	NM_00599	.	.	.	NP_005987	.	protein_co	ENSG0000	6926	11602
TBX4	0.088911	0.022748	0.10836	0.391625	0.216751	0.127036	T-box 4 [Source:HGNC Symbol;Acc:HGNC:11603]	chr17:5952	NM_00132	XM_01152	.	.	NP_001308	XP_005257	protein_co	ENSG0000	9496	11603
TBX5	0.069729	0.168425	0.133925	0.025777	0.026306	0.024007	T-box 5 [Source:HGNC Symbol;Acc:HGNC:11604]	chr12:1147	NM_00019	.	.	.	NP_000183	XP_016875	protein_co	ENSG0000	6910	11604
TBX6	0.871376	0.543943	0.470191	0.35493	0.388755	0.294249	T-box 6 [Source:HGNC Symbol;Acc:HGNC:11605]	chr16:3009	NM_00460	XM_01702	.	.	NP_004599	XP_005255	protein_co	ENSG0000	6911	11605
TBXA2R	2.00714	2.28066	1.94131	1.65114	1.16582	1.69956	thromboxane A2 receptor [Source:HGNC Symbol;Acc:HGNC:1160	chr19:3594	NM_00106	XM_01152	.	.	NP_001051	XP_011526	protein_co	ENSG0000	6915	11608
TBXAS1	0.140892	0.107344	0.181442	0.3473	0.402136	0.259808	thromboxane A synthase 1 [Source:HGNC Symbol;Acc:HGNC:116	chr7:13947	NM_00106	XM_01151	.	.	NP_001052	XP_011514	protein_co	ENSG0000	6916	11609
TC2N	3.64719	4.7826	6.83641	6.28592	6.50396	8.53002	tandem C2 domains, nuclear [Source:HGNC Symbol;Acc:HGNC:19	chr14:9224	NM_00112	.	.	.	NP_001122	.	protein_co	ENSG0000	123036	19859
TCAF1	7.98088	10.3459	10.2433	9.56056	9.72871	11.095	TRPM8 channel associated factor 1 [Source:HGNC Symbol;Acc:HG	chr7:14354	NM_00120	XM_00671	.	.	NP_001193	XP_005250	protein_co	ENSG0000	9747	22201
TCAF2	0.311566	0.37503	0.41757	0.26191	0.31549	0.318018	TRPM8 channel associated factor 2 [Source:HGNC Symbol;Acc:HG	chr7:14331	NM_00113	XM_01151	.	.	NP_001123	XP_006715	protein_co	ENSG0000	285966	26878
TCAIM	9.33267	10.2389	8.81912	9.00074	10.2363	10.2391	T-cell activation inhibitor, mitochondrial [Source:HGNC Symbol;A	chr3:44379	NM_00102	.	.	.	NP_001025	.	protein_co	ENSG0000	285343	25241

TCAP	0.418986	0.402942	0.424007	0.706736	0.610111	0.96389	titin-cap [Source:HGNC Symbol;Acc:HGNC:11610]	chr17:3782	NM_00367	.	.	.	NP_00366	.	protein_co	ENSG0000	8557	11610
TCEA1	33.4608	34.6138	28.9994	36.759	40.6398	53.6434	transcription elongation factor A1 [Source:HGNC Symbol;Acc:HG	chr8:54879	NM_00675	XM_01151	NR_10990	.	NP_00674	XP_006716	protein_co	ENSG0000	6917	11612
TCEA2	6.64538	5.34126	7.57738	5.44136	4.59747	5.89334	transcription elongation factor A2 [Source:HGNC Symbol;Acc:HG	chr20:6268	NM_00319	XM_01152	.	.	NP_00318	XP_005260	protein_co	ENSG0000	6919	11614
TCEA3	2.86635	2.88392	2.06517	0.880028	0.804634	0.834812	transcription elongation factor A3 [Source:HGNC Symbol;Acc:HG	chr1:23707	NM_00319	XM_01154	.	.	NP_00318	XP_006710	protein_co	ENSG0000	6920	11615
TCEAL1	0	0	0	0	0	0	transcription elongation factor A like 1 [Source:HGNC Symbol;Acc	chrX:10288	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	9338	11616
TCEAL2	0	0	0	0	0	0	transcription elongation factor A like 2 [Source:HGNC Symbol;Acc	chrX:10138	NM_08039	.	.	.	NP_52512	.	protein_co	ENSG0000	140597	29818
TCEAL3	0.096711	0.144156	0.042356	0.105347	0	0.104261	transcription elongation factor A like 3 [Source:HGNC Symbol;Acc	chrX:10286	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	85012	28247
TCEAL4	26.2596	25.7851	25.7441	28.3463	27.6623	23.6783	transcription elongation factor A like 4 [Source:HGNC Symbol;Acc	chrX:10283	NM_00100	XM_01702	.	.	NP_00100	XP_005262	protein_co	ENSG0000	79921	26121
TCEAL5	0	0	0	0	0	0	transcription elongation factor A like 5 [Source:HGNC Symbol;Acc	chrX:10252	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	340543	22282
TCEAL6	0	0	0	0	0	0	transcription elongation factor A like 6 [Source:HGNC Symbol;Acc	chrX:10139	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	158931	24553
TCEAL7	0.190287	0	0.084108	0	0.107501	0.095992	transcription elongation factor A like 7 [Source:HGNC Symbol;Acc	chrX:10258	NM_15227	.	.	.	NP_68949	XP_016885	protein_co	ENSG0000	56849	28336
TCEAL8	35.6556	34.8664	36.462	41.1208	37.3971	36.8665	transcription elongation factor A like 8 [Source:HGNC Symbol;Acc	chrX:10250	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	90843	28683
TCEAL9	42.8882	40.5652	37.2238	46.672	44.8375	41.4838	transcription elongation factor A like 9 [Source:HGNC Symbol;Acc	chrX:10261	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	51186	30084
TCEANC	0.804594	0.761996	0.439167	0.553755	0.381122	0.505296	transcription elongation factor A N-terminal and central domain	chrX:13673	NM_00129	XM_01702	.	.	NP_00128	XP_016884	protein_co	ENSG0000	170082	28277
TCEANC2	2.99746	1.92161	1.94869	2.7852	2.4761	3.52722	transcription elongation factor A N-terminal and central domain	chr1:54519	NM_15303	.	NR_03994	.	NP_69458	.	protein_co	ENSG0000	100616315	26494
TCEB1	114.742	98.4631	98.3149	131.214	121.659	117.092	transcription elongation factor B subunit 1 [Source:HGNC Symbol	chr8:74851	NM_00120	XM_01151	.	.	NP_00119	XP_011515	protein_co	ENSG0000	6921	11617
TCEB2	206.946	201.293	214.473	251.404	178.725	188.581	transcription elongation factor B subunit 2 [Source:HGNC Symbol	chr16:2821	NM_00710	.	.	.	NP_00903	.	protein_co	ENSG0000	6923	11619
TCEB3	20.251	21.8724	18.4906	32.7493	29.7328	18.7527	transcription elongation factor B subunit 3 [Source:HGNC Symbol	chr1:24069	NM_00319	.	.	.	NP_00318	.	protein_co	ENSG0000	6924	11620
TCEB3B	0	0	0	0	0	0	transcription elongation factor B subunit 3B [Source:HGNC Symb	chr18:4438	NM_01642	.	.	.	NP_05751	.	protein_co	ENSG0000	51224	30771
TCEB3C	0	0	0	0	0	0	transcription elongation factor B subunit 3C [Source:HGNC Symb	chr18:4438	NM_14565	XM_01150	.	.	NP_66362	XP_011507	protein_co	ENSG0000	105369241	24617
TCEB3CL	0	0	0	0	0	0	transcription elongation factor B subunit 3C like [Source:HGNC Sy	chr18:4438	NM_00110	XM_01702	.	.	NP_00109	XP_016881	protein_co	ENSG0000	107983955	31007
TCEB3CL2	0	0	0	0	0	0	transcription elongation factor B subunit 3C like 2 [Source:HGNC	chr18:4438	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	100506888	33511
TCERG1	21.7983	21.0505	21.624	21.4952	23.1624	19.9098	transcription elongation regulator 1 [Source:HGNC Symbol;Acc:H	chr5:14582	NM_00104	XM_01153	.	.	NP_00103	XP_005268	protein_co	ENSG0000	10915	15630
TCERG1L	0	0	0.027765	0.035069	0.036466	0	transcription elongation regulator 1 like [Source:HGNC Symbol;A	chr10:1328	NM_17493	XM_01153	.	.	NP_77759	XP_011537	protein_co	ENSG0000	256536	23533
TCF12	18.5485	17.7337	18.079	17.4241	19.7394	23.1064	transcription factor 12 [Source:HGNC Symbol;Acc:HGNC:11623]	chr15:5721	NM_00130	XM_01702	.	.	NP_00129	XP_011520	protein_co	ENSG0000	6938	11623
TCF15	0	0	0	0	0	0	transcription factor 15 (basic helix-loop-helix) [Source:HGNC Sym	chr20:5844	NM_00460	.	.	.	NP_00460	.	protein_co	ENSG0000	6939	11627
TCF19	11.5876	11.8468	10.2408	12.6565	11.2623	11.8684	transcription factor 19 [Source:HGNC Symbol;Acc:HGNC:11629]	chr6:31126	NM_00107	XM_01151	.	.	NP_00107	XP_005249	protein_co	ENSG0000	6941	11629
TCF20	15.0355	16.5882	15.8703	13.4573	14.3503	15.5542	transcription factor 20 [Source:HGNC Symbol;Acc:HGNC:11631]	chr22:4255	NM_00565	XM_01153	.	.	NP_00564	XP_005261	protein_co	ENSG0000	6942	11631
TCF21	0.026383	0.019815	0.137987	0	0.029753	0.038963	transcription factor 21 [Source:HGNC Symbol;Acc:HGNC:11632]	chr6:13421	NM_00320	.	.	.	NP_00319	.	protein_co	ENSG0000	6943	11632
TCF23	0	0	0.012872	0	0	0	transcription factor 23 [Source:HGNC Symbol;Acc:HGNC:18602]	chr2:27371	NM_17576	.	.	.	NP_78695	.	protein_co	ENSG0000	150921	18602
TCF24	0	0	0	0	0	0	transcription factor 24 [Source:HGNC Symbol;Acc:HGNC:32275]	chr8:67858	NM_00119	XM_01151	.	.	NP_00118	XP_011515	protein_co	ENSG0000	100129654	32275
TCF25	75.0079	78.9566	69.7542	92.425	76.2691	65.167	transcription factor 25 [Source:HGNC Symbol;Acc:HGNC:29181]	chr16:8993	NM_01497	XM_01152	.	.	NP_05578	XP_005256	protein_co	ENSG0000	22980	29181
TCF3	46.0772	47.298	44.7653	58.6981	52.9658	44.2499	transcription factor 3 [Source:HGNC Symbol;Acc:HGNC:11633]	chr19:1609	NM_00113	XM_01152	.	.	NP_00112	XP_006722	protein_co	ENSG0000	6929	11633
TCF4	0	0	0	0	0	0.010322	transcription factor 4 [Source:HGNC Symbol;Acc:HGNC:11634]	chr18:5288	NM_00108	XM_01152	.	.	NP_00107	XP_005266	protein_co	ENSG0000	6925	11634
TCF7	9.3449	10.314	12.7965	12.0225	12.2381	11.0702	transcription factor 7 (T-cell specific, HMG-box) [Source:HGNC Sy	chr5:13345	NM_00113	XM_01154	.	.	NP_00112	XP_006714	protein_co	ENSG0000	6932	11639
TCF7L1	4.50643	5.53477	6.51629	6.11314	4.31848	5.60762	transcription factor 7 like 1 [Source:HGNC Symbol;Acc:HGNC:116	chr2:85360	NM_03128	XM_00671	.	.	NP_11257	XP_006712	protein_co	ENSG0000	83439	11640
TCF7L2	47.958	49.9232	50.6287	47.7291	44.7044	54.0658	transcription factor 7 like 2 [Source:HGNC Symbol;Acc:HGNC:116	chr10:1147	NM_00114	XM_01701	.	.	NP_00113	XP_005270	protein_co	ENSG0000	6934	11641
TCFL5	11.6132	11.9263	12.436	10.7296	12.218	12.1297	transcription factor like 5 [Source:HGNC Symbol;Acc:HGNC:1164	chr20:6144	NM_00660	XM_01152	.	.	NP_00128	XP_005260	protein_co	ENSG0000	10732	11646
TCHH	0.037525	0.054239	0.073652	0.070141	0.044597	0.052739	trichohyalin [Source:HGNC Symbol;Acc:HGNC:11791]	chr1:15207	NM_00711	.	.	.	NP_00904	.	protein_co	ENSG0000	7062	11791
TCHHL1	0	0	0	0	0	0	trichohyalin like 1 [Source:HGNC Symbol;Acc:HGNC:31796]	chr1:15205	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	126637	31796
TCHP	6.56595	7.25945	5.80066	5.7419	6.2962	5.18209	trichoplein keratin filament binding [Source:HGNC Symbol;Acc:H	chr12:1103	NM_00114	XM_01153	.	.	NP_00113	XP_011537	protein_co	ENSG0000	84260	28135
TCIRG1	17.1255	17.4966	20.2317	15.8005	13.6896	13.1731	T-cell immune regulator 1, ATPase H+ transporting V0 subunit a3	chr11:6780	NM_00601	XM_01154	.	.	NP_00601	XP_005273	protein_co	ENSG0000	10312	11647
TCL1A	0	0	0	0	0	0	T-cell leukemia/lymphoma 1A [Source:HGNC Symbol;Acc:HGNC:1	chr14:9617	NM_00109	.	.	.	NP_00109	XP_016877	protein_co	ENSG0000	8115	11648
TCL1B	0.167004	0.083813	0.215492	0.3596	0.384203	0.08987	T-cell leukemia/lymphoma 1B [Source:HGNC Symbol;Acc:HGNC:1	chr14:9615	NM_00491	.	.	.	NP_00490	.	protein_co	ENSG0000	9623	11649
TCN1	0.388806	0.206342	0.505012	0.600779	0.484934	0.289107	transcobalamin 1 [Source:HGNC Symbol;Acc:HGNC:11652]	chr11:5962	NM_00106	.	.	.	NP_00105	.	protein_co	ENSG0000	6947	11652
TCN2	1.64536	1.88944	1.38387	1.5395	0.8534	1.296	transcobalamin 2 [Source:HGNC Symbol;Acc:HGNC:11653]	chr22:3097	NM_00035	.	.	.	NP_00034	.	protein_co	ENSG0000	6948	11653
TCOF1	31.6248	31.4507	26.5676	37.6741	34.4697	23.8505	treacle ribosome biogenesis factor 1 [Source:HGNC Symbol;Acc:H	chr5:14973	NM_00035	XM_01700	.	.	NP_00034	XP_005268	protein_co	ENSG0000	6949	11654
TCP1	271.405	262.96	232.969	344.07	366.442	244.613	t-complex 1 [Source:HGNC Symbol;Acc:HGNC:11655]	chr6:16009	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	6950	11655
TCP10	0	0	0	0	0	0	t-complex 10 [Source:HGNC Symbol;Acc:HGNC:11656]	chr6:16777	NM_00461	XM_01153	.	.	NP_00460	XP_011534	protein_co	ENSG0000	6953	11656
TCP10L	0.057675	0.02931	0.20261	0.327459	0.342223	0.20504	t-complex 10-like [Source:HGNC Symbol;Acc:HGNC:11657]	chr21:3394	NM_14465	.	.	.	NP_65326	.	protein_co	ENSG0000	140290	11657
TCP10L2	0	0	0	0	0	0	t-complex 10-like 2 [Source:HGNC Symbol;Acc:HGNC:21254]	chr6:16758	NM_00114	XM_01701	.	.	NP_00113	XP_011534	protein_co	ENSG0000	401285	21254
TCP11	0	0	0.082788	0	0.106961	0	t-complex 11 [Source:HGNC Symbol;Acc:HGNC:11658]	chr6:35085	NM_00109	XM_01151	.	.	NP_00108	XP_005249	protein_co	ENSG0000	6954	11658
TCP11L1	4.60693	5.06213	5.50185	4.0217	4.3657	4.85547	t-complex 11 like 1 [Source:HGNC Symbol;Acc:HGNC:25655]	chr11:3306	NM_00114	XM_01152	.	.	NP_00113	XP_011518	protein_co	ENSG0000	55346	25655
TCP11L2	1.76651	2.26873	3.04536	1.02727	1.22023	3.13956	t-complex 11 like 2 [Source:HGNC Symbol;Acc:HGNC:28627]	chr12:1066	NM_00128	XM_01153	.	.	NP_00127	XP_005268	protein_co	ENSG0000	255394	28627
TCP11X2	0	0	0	0	0	0	t-complex 11 family, X-linked 2 [Source:HGNC Symbol;Acc:HGNC:	chrX:10161	NM_00127	XM_01703	.	.	NP_00126	XP_016885	protein_co	ENSG0000	100996648	48335
TCTA	10.8191	9.97879	8.60782	8.41647	7.21451	5.00132	T-cell leukemia translocation altered [Source:HGNC Symbol;Acc:H	chr3:49449	NM_02217	.	.	.	NP_07150	.	protein_co	ENSG0000	6988	11692
TCTE1	0	0.065118	0.131618	0.139518	0.074486	0.070153	t-complex-associated-testis-expressed 1 [Source:HGNC Symbol;A	chr6:44238	NM_18253	XM_01151	.	.	NP_87234	XP_005248	protein_co	ENSG0000	202500	11693
TCTE3	0.331469	0.114568	0	0.491256	0.374658	0.112387	t-complex-associated-testis-expressed 3 [Source:HGNC Symbol;A	chr6:17014	NM_17491	XM_01153	NR_13807	.	NP_77757	XP_011534	protein_co	ENSG0000	6991	11695
TCTEX1D1	0	0	0	0	0	0	Tctex1 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:268	chr1:67218	NM_15266	.	.	.	NP_68987	XP_016856	protein_co	ENSG0000	200132	26882

TCTEX1D2	8.01527	6.9741	6.59972	11.2646	8.47886	9.22575	Tctex1 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:284	chr3:19601	NM_15277	.	.	.	NP_68998	.	protein_co	ENSG0000	255758	28482
TCTEX1D4	0.224334	0	0	0	0	0	Tctex1 domain containing 4 [Source:HGNC Symbol;Acc:HGNC:323	chr1:45265	NM_00101	XM_01154	.	.	NP_00101	XP_00527	protein_co	ENSG0000	343521	32315
TCTN1	8.04613	7.40584	9.39426	6.64144	6.36679	7.94073	tectonic family member 1 [Source:HGNC Symbol;Acc:HGNC:2611	chr12:1110	NM_00108	XM_01153	.	.	NP_00107	XP_00671	protein_co	ENSG0000	79600	26113
TCTN2	3.83513	3.96178	4.59696	5.56455	4.3547	3.96711	tectonic family member 2 [Source:HGNC Symbol;Acc:HGNC:2577	chr12:1241	NM_00114	XM_00671	.	.	NP_00113	XP_00525	protein_co	ENSG0000	79867	25774
TCTN3	37.091	35.4449	35.4501	36.1131	34.45	28.2009	tectonic family member 3 [Source:HGNC Symbol;Acc:HGNC:2451	chr10:9742	NM_00114	XM_01153	.	.	NP_00113	XP_00526	protein_co	ENSG0000	26123	24519
TDG	15.5295	15.4851	14.5034	17.1458	17.4073	13.5442	thymine DNA glycosylase [Source:HGNC Symbol;Acc:HGNC:11700	chr12:1043	NM_00321	XM_01153	.	.	NP_00320	XP_00526	protein_co	ENSG0000	6996	11700
TDGF1	0	0	0	0	0.055877	0	teratocarcinoma-derived growth factor 1 [Source:HGNC Symbol;A	chr3:46556	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	6997	11701
TDO2	0.042285	0	0	0	0.046439	0	tryptophan 2,3-dioxygenase [Source:HGNC Symbol;Acc:HGNC:11	chr4:15682	NM_00565	.	.	.	NP_00564	.	protein_co	ENSG0000	6999	11708
TDP1	9.47381	9.89076	10.4859	11.8806	10.0766	11.2102	tyrosyl-DNA phosphodiesterase 1 [Source:HGNC Symbol;Acc:HGN	chr14:9042	NM_00100	XM_01702	.	.	NP_00100	XP_00526	protein_co	ENSG0000	55775	18884
TDP2	20.8117	19.2673	17.3733	18.4366	22.9302	18.3534	tyrosyl-DNA phosphodiesterase 2 [Source:HGNC Symbol;Acc:HGN	chr6:24650	NM_01661	.	.	.	NP_05769	.	protein_co	ENSG0000	51567	17768
TDRD1	0	0	0	0	0	0	tudor domain containing 1 [Source:HGNC Symbol;Acc:HGNC:117	chr10:1159	NM_19879	XM_01153	.	.	NP_94209	XP_00527	protein_co	ENSG0000	56165	11712
TDRD10	0	0	0	0	0	0	tudor domain containing 10 [Source:HGNC Symbol;Acc:HGNC:25	chr1:15447	NM_00109	XM_01150	.	.	NP_00109	XP_01150	protein_co	ENSG0000	126668	25316
TDRD12	0	0.020197	0.048566	0	0	0	tudor domain containing 12 [Source:HGNC Symbol;Acc:HGNC:25	chr19:3321	NM_00111	XM_01152	.	.	NP_00110	XP_01152	protein_co	ENSG0000	91646	25044
TDRD15	0	0	0	0	0	0	tudor domain containing 15 [Source:HGNC Symbol;Acc:HGNC:45	chr2:21346	.	XM_01153	.	.	NP_00129	XP_01153	protein_co	ENSG0000	100129278	45037
TDRD3	5.5444	4.91617	5.45891	3.67194	4.79932	5.59493	tudor domain containing 3 [Source:HGNC Symbol;Acc:HGNC:206	chr13:6097	NM_00114	XM_01153	.	.	NP_00113	XP_00526	protein_co	ENSG0000	81550	20612
TDRD5	0.257765	0.104354	0.276428	0.067401	0.288629	0.270737	tudor domain containing 5 [Source:HGNC Symbol;Acc:HGNC:206	chr1:17956	NM_00119	XM_01700	.	.	NP_00118	XP_00524	protein_co	ENSG0000	163589	20614
TDRD6	0.182108	0.205582	0.229853	0.110239	0.160972	0.428181	tudor domain containing 6 [Source:HGNC Symbol;Acc:HGNC:213	chr6:46655	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	221400	21339
TDRD7	6.53236	6.48083	5.95123	5.57696	5.37308	5.89766	tudor domain containing 7 [Source:HGNC Symbol;Acc:HGNC:308	chr9:10017	NM_00130	XM_00671	.	.	NP_00128	XP_00671	protein_co	ENSG0000	23424	30831
TDRD9	0	0	0	0	0	0	tudor domain containing 9 [Source:HGNC Symbol;Acc:HGNC:201	chr14:1043	NM_15304	XM_01153	.	.	NP_69459	XP_00526	protein_co	ENSG0000	122402	20122
TDRKH	4.02249	4.76943	4.9557	4.30591	3.95469	4.1452	tudor and KH domain containing [Source:HGNC Symbol;Acc:HGN	chr1:15174	NM_00108	XM_01700	.	.	NP_00107	XP_00524	protein_co	ENSG0000	11022	11713
TDRP	0.039392	0	0	0	0	0	testis development related protein [Source:HGNC Symbol;Acc:HG	chr8:43979	NM_00125	XM_00671	.	.	NP_00124	XP_00671	protein_co	ENSG0000	157695	26951
TEAD1	29.4291	31.5021	34.8617	27.8822	35.4132	44.9563	TEA domain transcription factor 1 [Source:HGNC Symbol;Acc:HG	chr11:1269	NM_02196	.	.	.	NP_06878	.	protein_co	ENSG0000	7003	11714
TEAD2	13.0242	12.4265	12.9313	13.5574	12.1634	12.1513	TEA domain transcription factor 2 [Source:HGNC Symbol;Acc:HG	chr19:4983	NM_00125	XM_01152	.	.	NP_00124	XP_00525	protein_co	ENSG0000	8463	11715
TEAD3	11.9634	10.777	11.5776	9.20699	8.82353	9.13859	TEA domain transcription factor 3 [Source:HGNC Symbol;Acc:HG	chr6:35441	NM_00321	.	.	.	NP_00320	.	protein_co	ENSG0000	7005	11716
TEAD4	14.3966	13.8105	12.6098	15.2118	13.3237	10.1015	TEA domain transcription factor 4 [Source:HGNC Symbol;Acc:HG	chr12:3068	NM_00321	.	.	.	NP_00320	.	protein_co	ENSG0000	7004	11717
TEC	2.03633	2.0316	2.16212	1.32363	1.52367	1.92737	tec protein tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:117	chr4:48137	NM_00321	XM_01151	.	.	NP_00320	XP_01151	protein_co	ENSG0000	7006	11719
TECPR1	2.53055	2.92019	3.72255	2.11301	2.10561	3.05454	tectonin beta-propeller repeat containing 1 [Source:HGNC Symbo	chr7:97843	NM_01539	XM_00525	.	.	NP_05621	XP_00525	protein_co	ENSG0000	25851	22214
TECPR2	3.03992	3.08862	3.87549	2.86103	3.37995	3.40481	tectonin beta-propeller repeat containing 2 [Source:HGNC Symbo	chr14:1028	NM_00117	XM_00526	.	.	NP_00116	.	protein_co	ENSG0000	9895	19957
TECR	120.362	121.227	103.157	151.727	122.788	106.044	trans-2,3-enoyl-CoA reductase [Source:HGNC Symbol;Acc:HGNC:	chr19:1464	NM_00132	XM_01152	NR_03036	.	NP_00130	XP_00672	protein_co	ENSG0000	693224	4551
TECRL	0	0	0	0	0	0	trans-2,3-enoyl-CoA reductase-like [Source:HGNC Symbol;Acc:HG	chr4:65140	NM_00101	XM_00526	.	.	NP_00101	XP_00526	protein_co	ENSG0000	253017	27365
TECTA	0.389291	0.329546	0.310681	0.294923	0.259288	0.328503	tectorin alpha [Source:HGNC Symbol;Acc:HGNC:11720]	chr11:1209	NM_00542	.	.	.	NP_00541	.	protein_co	ENSG0000	7007	11720
TECTB	0	0	0.026634	0	0	0	tectorin beta [Source:HGNC Symbol;Acc:HGNC:11721]	chr10:1140	NM_05822	XM_00527	.	.	NP_47812	XP_00527	protein_co	ENSG0000	6975	11721
TEDDM1	0	0	0	0	0	0	transmembrane epididymal protein 1 [Source:HGNC Symbol;Acc:	chr1:18236	NM_17200	.	.	.	NP_74199	.	protein_co	ENSG0000	127670	30233
TEF	5.7111	5.84379	6.95194	4.36932	4.04597	8.5892	TEF, PAR bZIP transcription factor [Source:HGNC Symbol;Acc:HGN	chr22:4176	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	7008	11722
TEFM	7.48898	7.27612	8.23824	9.69549	8.64468	6.78922	transcription elongation factor, mitochondrial [Source:HGNC Sym	chr17:2922	NM_02468	XM_00672	.	.	NP_07895	XP_00672	protein_co	ENSG0000	79736	26223
TEK	0.067781	0.017747	0	0	0.057095	0.051421	TEK receptor tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:11	chr9:27109	NM_00045	XM_00525	.	.	NP_00045	XP_00525	protein_co	ENSG0000	7010	11724
TEKT1	0	0	0	0	0	0.021223	tektin 1 [Source:HGNC Symbol;Acc:HGNC:15534]	chr17:6701	NM_05328	XM_01152	.	.	NP_44451	XP_01152	protein_co	ENSG0000	83659	15534
TEKT2	0	0.03907	0.033996	0	0.045477	0	tektin 2 [Source:HGNC Symbol;Acc:HGNC:11725]	chr1:36549	NM_01446	XM_01700	.	.	NP_05528	XP_00527	protein_co	ENSG0000	27285	11725
TEKT3	0.215136	0.223292	0.468691	0.119405	0.162329	0.111075	tektin 3 [Source:HGNC Symbol;Acc:HGNC:14293]	chr17:1520	NM_03189	XM_01702	.	.	NP_11410	XP_01152	protein_co	ENSG0000	64518	14293
TEKT4	0	0	0.181488	0.279648	0.125273	0.301693	tektin 4 [Source:HGNC Symbol;Acc:HGNC:31012]	chr2:95537	NM_00128	XM_01151	.	.	NP_00127	XP_01150	protein_co	ENSG0000	150483	31012
TEKT5	0	0.20483	0.071155	0.088848	0.095063	0.178942	tektin 5 [Source:HGNC Symbol;Acc:HGNC:26554]	chr16:1072	NM_14467	XM_01152	.	.	NP_65327	XP_01152	protein_co	ENSG0000	146279	26554
TELO2	20.1366	20.7464	18.9633	21.919	18.9208	12.5654	telomere maintenance 2 [Source:HGNC Symbol;Acc:HGNC:29099	chr16:1543	NM_01611	XM_01702	.	.	NP_05719	XP_01152	protein_co	ENSG0000	9894	29099
TEN1	14.1371	12.2142	15.2707	15.48	10.0075	11.5825	TEN1 CST complex subunit [Source:HGNC Symbol;Acc:HGNC:3724	chr17:7393	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	100134934	37242
TEN1-CDK3	0.664653	2.59247	1.28587	1.63621	2.33115	1.64135	TEN1-CDK3 readthrough (NMD candidate) [Source:HGNC Symbol	chr17:7393	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	1018	44420
TENM1	0	0	0	0.00645	0	0	teneurin transmembrane protein 1 [Source:HGNC Symbol;Acc:HG	chrX:12350	NM_00116	XM_01153	.	.	NP_00115	XP_01152	protein_co	ENSG0000	10178	8117
TENM2	0	0	0	0	0	0	teneurin transmembrane protein 2 [Source:HGNC Symbol;Acc:HG	chr5:16671	NM_00112	XM_01700	.	.	NP_00107	XP_00526	protein_co	ENSG0000	57451	29943
TENM3	0.165774	0.165426	0.114892	0.037055	0.097409	0.175407	teneurin transmembrane protein 3 [Source:HGNC Symbol;Acc:HG	chr4:18316	NM_00108	XM_01700	.	.	NP_00107	XP_01686	protein_co	ENSG0000	55714	29944
TENM4	0.00981	0	0.00424	0	0.022452	0.010386	teneurin transmembrane protein 4 [Source:HGNC Symbol;Acc:HG	chr11:7836	NM_00109	XM_01701	.	.	NP_00109	XP_01687	protein_co	ENSG0000	26011	29945
TEP1	5.65703	6.13364	4.49436	3.71368	4.34206	4.25881	telomerase associated protein 1 [Source:HGNC Symbol;Acc:HGN	chr14:2083	NM_00711	XM_01153	.	.	NP_00130	XP_00526	protein_co	ENSG0000	7011	11726
TEPP	0	0	0	0	0	0	testis, prostate and placenta expressed [Source:HGNC Symbol;Ac	chr16:5801	NM_19904	.	.	.	NP_95024	.	protein_co	ENSG0000	374739	33745
TEPSIN	12.9444	12.5989	12.3539	11.5042	11.6428	9.32543	TEPSIN, adaptor related protein complex 4 accessory protein [Sou	chr17:7920	NM_14467	XM_01152	.	.	NP_65328	XP_00525	protein_co	ENSG0000	146705	26458
TERB1	0	0	0	0	0	0	telomere repeat binding bouquet formation protein 1 [Source:HG	chr16:6678	NM_00113	XM_01152	.	.	NP_00112	XP_01152	protein_co	ENSG0000	283847	26675
TERB2	0	0	0	0	0	0	telomere repeat binding bouquet formation protein 2 [Source:HG	chr15:4524	NM_15244	.	.	.	NP_68966	.	protein_co	ENSG0000	145645	28520
TERF1	21.8933	19.9772	19.8161	22.6453	24.6475	22.5855	telomeric repeat binding factor 1 [Source:HGNC Symbol;Acc:HGN	chr8:73921	NM_00321	XM_00525	.	.	NP_00320	XP_00525	protein_co	ENSG0000	7013	11728
TERF2	25.273	25.0964	31.3077	25.8812	27.2793	29.606	telomeric repeat binding factor 2 [Source:HGNC Symbol;Acc:HGN	chr16:6936	NM_00565	XM_00525	.	.	NP_00564	XP_00525	protein_co	ENSG0000	7014	11729
TERF2IP	35.2597	33.6527	34.1838	31.1368	34.5287	33.5594	TERF2 interacting protein [Source:HGNC Symbol;Acc:HGNC:1924	chr16:7568	NM_01897	.	.	.	NP_06184	.	protein_co	ENSG0000	54386	19246
TERT	2.47602	2.46077	2.96498	2.23615	1.98398	1.16893	telomerase reverse transcriptase [Source:HGNC Symbol;Acc:HGN	chr5:12532	NM_00119	XM_01151	.	.	NP_00118	.	protein_co	ENSG0000	7015	11730
TES	56.0247	54.9793	43.623	59.8191	56.465	87.1146	testin LIM domain protein [Source:HGNC Symbol;Acc:HGNC:1462	chr7:11585	NM_01564	XM_00525	.	.	NP_05645	XP_00525	protein_co	ENSG0000	26136	14620
TESC	8.03598	7.07554	11.799	5.35204	5.46124	6.79019	tescalcin [Source:HGNC Symbol;Acc:HGNC:26065]	chr12:1174	NM_00116	.	.	.	NP_00116	XP_01153	protein_co	ENSG0000	54997	26065

TESK1	13.6734	12.5459	11.5983	14.9807	12.9895	9.86998	testis-specific kinase 1 [Source:HGNC Symbol;Acc:HGNC:11731]	chr9:35605	NM_00628	XM_01151	.	.	NP_00627	.	protein_co	ENSG0000	7016	11731
TESK2	1.87774	2.18146	2.44704	2.09776	1.98575	2.37264	testis-specific kinase 2 [Source:HGNC Symbol;Acc:HGNC:11732]	chr1:45794	NM_00717	XM_01154	.	.	NP_00910	XP_00527	protein_co	ENSG0000	10420	11732
TESMIN	3.42356	4.00928	4.13239	5.54015	3.93196	3.50414	testis expressed metallothionein like protein [Source:HGNC Symb	chr11:6847	NM_00103	XM_01154	.	.	NP_00103	XP_011543	protein_co	ENSG0000	9633	7446
TESPA1	0	0	0	0.035102	0	0	thymocyte expressed, positive selection associated 1 [Source:HG	chr12:5534	NM_00109	XM_01153	.	.	NP_00109	XP_00526	protein_co	ENSG0000	9840	29109
TET1	0.382701	0.579238	0.576279	0.38956	0.469088	0.58195	tet methylcytosine dioxygenase 1 [Source:HGNC Symbol;Acc:HGN	chr10:7032	NM_03062	XM_01154	.	.	NP_08512	XP_011538	protein_co	ENSG0000	80312	29484
TET2	2.95577	2.82032	2.62584	2.81825	2.94905	3.13984	tet methylcytosine dioxygenase 2 [Source:HGNC Symbol;Acc:HGN	chr4:10606	NM_00112	XM_00526	.	.	NP_00112	XP_005263	protein_co	ENSG0000	54790	25941
TET3	5.07164	5.67469	5.65447	4.48236	5.19685	4.55203	tet methylcytosine dioxygenase 3 [Source:HGNC Symbol;Acc:HGN	chr2:74213	NM_00128	XM_01700	.	.	NP_00127	XP_005264	protein_co	ENSG0000	200424	28313
TEX10	26.2314	22.8981	25.0184	26.6464	32.2004	30.2706	testis expressed 10 [Source:HGNC Symbol;Acc:HGNC:25988]	chr9:10306	NM_00116	XM_01151	.	.	NP_00115	XP_011517	protein_co	ENSG0000	54881	25988
TEX101	0	0	0	0	0	0	testis expressed 101 [Source:HGNC Symbol;Acc:HGNC:30722]	chr19:4390	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	83639	30722
TEX11	0.09631	0.068991	0.083947	0.054653	0.106625	0.314013	testis expressed 11 [Source:HGNC Symbol;Acc:HGNC:11733]	chrX:69748	NM_00100	XM_01702	.	.	NP_00100	XP_01152	protein_co	ENSG0000	56159	11733
TEX12	0	0	0.170081	0	0	0	testis expressed 12 [Source:HGNC Symbol;Acc:HGNC:11734]	chr11:1120	NM_03127	.	.	.	NP_11256	.	protein_co	ENSG0000	56158	11734
TEX13A	0	0	0	0	0	0	testis expressed 13A [Source:HGNC Symbol;Acc:HGNC:11735]	chrX:10381	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	56157	11735
TEX13B	0	0.06243	0	0.067673	0	0.136048	testis expressed 13B [Source:HGNC Symbol;Acc:HGNC:11736]	chrX:10722	NM_03127	.	.	.	NP_11256	.	protein_co	ENSG0000	56156	11736
TEX13C	0.012345	0	0	0	0	0.013004	TEX13 family member C [Source:HGNC Symbol;Acc:HGNC:52277]	chrX:12445	NM_00119	XM_00526	.	.	NP_00118	XP_005262	protein_co	ENSG0000	10012952	52277
TEX13D	0	0	0	0.035985	0	0	TEX13 family member D [Source:HGNC Symbol;Acc:HGNC:52278]	chrX:12346	.	.	.	.	.	.	protein_co	ENSG0000	.	52278
TEX14	0.34058	0.634473	0.446617	0.623148	0.696846	0.52243	testis expressed 14, intercellular bridge forming factor [Source:H	chr17:5663	NM_00120	XM_01152	.	.	NP_00118	XP_011523	protein_co	ENSG0000	56155	11737
TEX15	0	0	0	0	0	0	testis expressed 15 [Source:HGNC Symbol;Acc:HGNC:11738]	chr8:30689	NM_03127	XM_01154	.	.	NP_11256	XP_005273	protein_co	ENSG0000	56154	11738
TEX19	1.90272	1.61571	1.80627	4.25384	4.67379	2.59287	testis expressed 19 [Source:HGNC Symbol;Acc:HGNC:33802]	chr17:8031	NM_20745	XM_01702	.	.	NP_99734	XP_01688	protein_co	ENSG0000	400629	33802
TEX2	12.4043	12.0706	12.4024	12.8311	13.978	11.0347	testis expressed 2 [Source:HGNC Symbol;Acc:HGNC:30884]	chr17:6222	NM_00128	XM_01702	.	.	NP_00127	XP_011523	protein_co	ENSG0000	55852	30884
TEX22	0.09841	0.032227	0.084723	0.034958	0.038209	0.181185	testis expressed 22 [Source:HGNC Symbol;Acc:HGNC:40026]	chr14:1058	NM_00119	XM_00672	.	.	NP_00118	XP_00672	protein_co	ENSG0000	647310	40026
TEX26	0	0	0	0	0	0	testis expressed 26 [Source:HGNC Symbol;Acc:HGNC:28622]	chr13:3150	NM_15232	XM_01153	.	.	NP_68953	XP_011533	protein_co	ENSG0000	122046	28622
TEX261	33.0728	31.4897	30.2773	36.4739	34.1221	25.3223	testis expressed 261 [Source:HGNC Symbol;Acc:HGNC:30712]	chr2:71163	NM_14458	.	.	.	NP_65318	.	protein_co	ENSG0000	113419	30712
TEX264	25.3431	25.5121	24.5022	27.647	21.5065	18.4298	testis expressed 264 [Source:HGNC Symbol;Acc:HGNC:30247]	chr3:51705	NM_00112	XM_01700	.	.	NP_00112	XP_006713	protein_co	ENSG0000	51368	30247
TEX28	0	0	0	0	0	0	testis expressed 28 [Source:HGNC Symbol;Acc:HGNC:2563]	chrX:15352	NM_00120	XM_01153	.	.	NP_00119	XP_011529	protein_co	ENSG0000	1527	2563
TEX29	0.245601	0	0	0.132894	0.141229	0	testis expressed 29 [Source:HGNC Symbol;Acc:HGNC:20370]	chr13:1119	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	121793	20370
TEX30	18.8709	22.0301	19.4501	27.3261	23.7831	23.3338	testis expressed 30 [Source:HGNC Symbol;Acc:HGNC:25188]	chr13:1034	NM_00128	XM_01152	.	.	NP_00127	XP_005254	protein_co	ENSG0000	93081	25188
TEX33	0	0	0	0	0	0	testis expressed 33 [Source:HGNC Symbol;Acc:HGNC:28568]	chr22:3738	NM_00116	XM_01153	.	.	NP_00115	XP_011528	protein_co	ENSG0000	339669	28568
TEX35	0	0	0	0	0.034814	0	testis expressed 35 [Source:HGNC Symbol;Acc:HGNC:25366]	chr1:17848	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	84066	25366
TEX36	0.084913	0.175228	0.073813	0.093446	0.192071	0.612379	testis expressed 36 [Source:HGNC Symbol;Acc:HGNC:31653]	chr10:1273	NM_00112	XM_00526	.	.	NP_00112	XP_005269	protein_co	ENSG0000	387718	31653
TEX37	0.201267	0	0.086979	0.108091	0.116408	0.109742	testis expressed 37 [Source:HGNC Symbol;Acc:HGNC:26341]	chr2:88824	NM_15267	XM_01153	.	.	NP_68988	XP_005264	protein_co	ENSG0000	200523	26341
TEX38	0	0	0	0	0	0	testis expressed 38 [Source:HGNC Symbol;Acc:HGNC:29589]	chr1:47137	NM_00114	XM_01154	.	.	NP_00113	XP_011539	protein_co	ENSG0000	374973	29589
TEX40	0.662064	0.739195	0.731091	0.304353	0.110017	0.20937	testis expressed 40 [Source:HGNC Symbol;Acc:HGNC:19231]	chr11:6406	.	.	.	.	.	.	protein_co	ENSG0000	.	19231
TEX43	0.229515	0.242544	0	0	0	0	testis expressed 43 [Source:HGNC Symbol;Acc:HGNC:33767]	chr5:12596	NM_20740	.	.	.	NP_99729	.	protein_co	ENSG0000	389320	33767
TEX9	2.05842	2.54836	3.17483	2.3311	3.86516	2.96901	testis expressed 9 [Source:HGNC Symbol;Acc:HGNC:29585]	chr15:5665	NM_00128	XM_01152	.	.	NP_00127	XP_005254	protein_co	ENSG0000	374618	29585
TF	0.118287	0.145729	0.082087	0.156784	0.134664	0.196906	transferrin [Source:HGNC Symbol;Acc:HGNC:11740]	chr3:13346	NM_00106	XM_01151	.	.	NP_00105	XP_011511	protein_co	ENSG0000	7018	11740
TFAM	30.0908	25.7543	29.8299	27.4218	35.8788	31.7993	transcription factor A, mitochondrial [Source:HGNC Symbol;Acc:H	chr10:6014	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	7019	11741
TFAP2A	6.16228	5.25083	5.34521	7.30437	6.8782	8.19387	transcription factor AP-2 alpha [Source:HGNC Symbol;Acc:HGNC:	chr6:10396	NM_00103	XM_01701	.	.	NP_00102	XP_006715	protein_co	ENSG0000	7020	11742
TFAP2B	0	0	0	0	0	0	transcription factor AP-2 beta [Source:HGNC Symbol;Acc:HGNC:1	chr6:50786	NM_00322	XM_01701	.	.	NP_00321	XP_011513	protein_co	ENSG0000	7021	11743
TFAP2C	2.71468	2.91222	3.74922	3.25254	2.90476	4.22141	transcription factor AP-2 gamma [Source:HGNC Symbol;Acc:HGN	chr20:5520	NM_00322	.	.	.	NP_00321	.	protein_co	ENSG0000	7022	11744
TFAP2D	0	0	0	0	0	0	transcription factor AP-2 delta [Source:HGNC Symbol;Acc:HGNC:1	chr6:50681	NM_17223	.	.	.	NP_75843	.	protein_co	ENSG0000	83741	15581
TFAP2E	4.42709	4.23837	4.80851	4.32616	4.17853	1.75768	transcription factor AP-2 epsilon [Source:HGNC Symbol;Acc:HGN	chr1:36038	NM_17854	.	.	.	NP_84864	.	protein_co	ENSG0000	339488	30774
TFAP4	18.2552	18.2494	15.3726	17.9916	17.4331	12.1696	transcription factor AP-4 [Source:HGNC Symbol;Acc:HGNC:11745	chr16:4307	NM_00322	.	.	.	NP_00321	XP_01152	protein_co	ENSG0000	7023	11745
TFB1M	18.444	15.2448	18.8225	17.4385	18.4731	20.7124	transcription factor B1, mitochondrial [Source:HGNC Symbol;Acc:	chr6:15505	NM_01602	XM_01153	.	.	NP_05710	.	protein_co	ENSG0000	51106	17037
TFB2M	25.4855	23.2526	26.2908	22.9017	22.1219	18.813	transcription factor B2, mitochondrial [Source:HGNC Symbol;Acc:	chr1:24670	NM_02236	.	.	.	NP_07176	.	protein_co	ENSG0000	64216	18559
TFCP2	17.3674	17.9269	19.0845	18.5911	18.7074	16.5942	transcription factor CP2 [Source:HGNC Symbol;Acc:HGNC:11748]	chr12:5148	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	7024	11748
TFCP2L1	4.02193	4.09111	5.11686	4.49379	4.57132	5.9852	transcription factor CP2-like 1 [Source:HGNC Symbol;Acc:HGNC:1	chr2:12197	NM_01455	XM_01700	.	.	NP_05536	XP_016859	protein_co	ENSG0000	29842	17925
TFDP1	82.2366	84.1341	73.8551	93.9048	86.905	73.929	transcription factor Dp-1 [Source:HGNC Symbol;Acc:HGNC:11749	chr13:1142	NM_00711	XM_01702	.	.	NP_00904	XP_005268	protein_co	ENSG0000	7027	11749
TFDP2	13.632	14.7162	19.4586	16.5123	16.6038	21.2939	transcription factor Dp-2 [Source:HGNC Symbol;Acc:HGNC:11751	chr3:14166	NM_00117	XM_01700	.	.	NP_00117	XP_005247	protein_co	ENSG0000	7029	11751
TFDP3	0.037784	0	0	0.083941	0	0	transcription factor Dp family member 3 [Source:HGNC Symbol;A	chrX:13235	NM_01652	.	.	.	NP_05760	.	protein_co	ENSG0000	51270	24603
TFE3	8.97914	8.73146	7.64748	6.78621	6.51068	7.94229	transcription factor binding to IGHM enhancer 3 [Source:HGNC S	chrX:48886	NM_00128	XM_01154	.	.	NP_00126	.	protein_co	ENSG0000	7030	11752
TFEB	2.57728	2.35725	3.4921	2.39156	1.96912	2.13808	transcription factor EB [Source:HGNC Symbol;Acc:HGNC:11753]	chr6:41651	NM_00116	XM_01151	.	.	NP_00116	XP_005249	protein_co	ENSG0000	7942	11753
TFEC	0.015048	0	0.027933	0.070562	0.016292	0.03081	transcription factor EC [Source:HGNC Symbol;Acc:HGNC:11754]	chr7:11557	NM_00101	XM_01701	.	.	NP_00101	XP_011514	protein_co	ENSG0000	22797	11754
TFF1	0	0	0	0	0	0	trefoil factor 1 [Source:HGNC Symbol;Acc:HGNC:11755]	chr21:4378	NM_00322	.	.	.	NP_00321	.	protein_co	ENSG0000	7031	11755
TFF2	0	0	0	0	0	0	trefoil factor 2 [Source:HGNC Symbol;Acc:HGNC:11756]	chr21:4376	NM_00542	.	.	.	NP_00541	.	protein_co	ENSG0000	7032	11756
TFF3	0	0	0	0	0	0	trefoil factor 3 [Source:HGNC Symbol;Acc:HGNC:11757]	chr21:4373	NM_00322	.	.	.	NP_00321	.	protein_co	ENSG0000	7033	11757
TFG	71.627	74.899	61.4016	68.6431	68.8044	63.9642	TRK-fused gene [Source:HGNC Symbol;Acc:HGNC:11758]	chr3:10042	NM_00100	XM_01700	.	.	NP_00100	XP_005247	protein_co	ENSG0000	10342	11758
TFIP11	14.2916	15.3546	12.7458	16.8528	14.6809	9.52591	tuftelin interacting protein 11 [Source:HGNC Symbol;Acc:HGNC:1	chr22:2687	NM_00100	XM_01153	.	.	NP_00100	XP_011528	protein_co	ENSG0000	24144	17165
TFPI	5.172	4.28255	5.62482	3.83048	5.5806	8.95674	tissue factor pathway inhibitor [Source:HGNC Symbol;Acc:HGNC:	chr2:18832	NM_00103	XM_01151	.	.	NP_00102	XP_005246	protein_co	ENSG0000	7035	11760
TFPI2	0.042742	0	0	0	0	0	tissue factor pathway inhibitor 2 [Source:HGNC Symbol;Acc:HGN	chr7:93220	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	7980	11761

TFPT	5.62686	3.98288	3.25939	7.06139	6.20463	4.09461	TCF3 fusion partner [Source:HGNC Symbol;Acc:HGNC:13630]	chr19:5460	NM_00132	XM_01152	.	.	NP_00130	XP_011525	protein_co	ENSG0000	29844	13630
TFR2	3.84108	3.78706	3.13277	3.54336	2.99031	2.33027	transferrin receptor 2 [Source:HGNC Symbol;Acc:HGNC:11762]	chr7:10021	NM_00120	XM_01701	.	.	NP_00119	XP_005250	protein_co	ENSG0000	7036	11762
TFRC	92.5859	90.5307	80.6033	94.4545	112.724	99.4566	transferrin receptor [Source:HGNC Symbol;Acc:HGNC:11763]	chr3:19577	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	7037	11763
TG	0.046756	0.04741	0.039802	0	0	0.026431	thyroglobulin [Source:HGNC Symbol;Acc:HGNC:11764]	chr8:13387	NM_00323	XM_01701	.	.	NP_00322	XP_005251	protein_co	ENSG0000	7038	11764
TGDS	11.5555	11.161	12.6084	11.246	14.0624	15.9546	TDP-glucose 4,6-dehydratase [Source:HGNC Symbol;Acc:HGNC:2	chr13:9522	NM_00130	XM_01152	.	.	NP_00129	XP_011519	protein_co	ENSG0000	23483	20324
TGFA	21.3685	24.3208	23.3121	21.0946	26.3669	29.6031	transforming growth factor alpha [Source:HGNC Symbol;Acc:HGN	chr2:70674	NM_00109	XM_01153	.	.	NP_00109	XP_005264	protein_co	ENSG0000	7039	11765
TGFB1	15.3145	16.8641	20.7386	18.2416	14.78	17.6272	transforming growth factor beta 1 [Source:HGNC Symbol;Acc:HG	chr19:4183	NM_00066	XM_01152	.	.	NP_00065	XP_011525	protein_co	ENSG0000	7040	11766
TGFB1I1	4.80873	5.01569	3.17356	6.28036	4.10934	2.85523	transforming growth factor beta 1 induced transcript 1 [Source:H	chr16:3148	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	7041	11767
TGFB2	0.091113	0.059048	0.189941	0.167753	0.314741	0.193001	transforming growth factor beta 2 [Source:HGNC Symbol;Acc:HG	chr1:21851	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	7042	11768
TGFB3	0.362365	0.485758	0.360043	0.342006	0.44098	0.353059	transforming growth factor beta 3 [Source:HGNC Symbol;Acc:HG	chr14:7642	NM_00323	XM_00526	.	.	NP_00323	XP_005268	protein_co	ENSG0000	7043	11769
TGFBI	0.119172	0.075963	0.064251	0	0.254096	0	transforming growth factor beta induced [Source:HGNC Symbol;A	chr5:13536	NM_00035	.	.	.	NP_00034	.	protein_co	ENSG0000	7045	11771
TGFBR1	11.0626	10.5996	11.0283	11.0055	10.738	14.486	transforming growth factor beta receptor 1 [Source:HGNC Symbo	chr9:10186	NM_00113	XM_01151	.	.	NP_00112	XP_005252	protein_co	ENSG0000	7046	11772
TGFBR2	14.0044	12.366	14.7185	9.0884	10.1293	11.8645	transforming growth factor beta receptor 2 [Source:HGNC Symbo	chr3:30647	NM_00102	XM_01153	.	.	NP_00102	XP_011532	protein_co	ENSG0000	7048	11773
TGFBR3	1.57507	1.73023	1.96812	1.60246	1.85071	2.22296	transforming growth factor beta receptor 3 [Source:HGNC Symbo	chr1:92145	NM_00119	XM_00671	.	.	NP_00118	XP_006710	protein_co	ENSG0000	7049	11774
TGFBR3L	9.6555	9.61738	9.7632	6.06358	5.81546	6.39731	transforming growth factor beta receptor 3 like [Source:HGNC Sy	chr19:7981	NM_00119	XM_01152	.	.	NP_00118	XP_011525	protein_co	ENSG0000	100507588	44152
TGFBRAP1	8.91916	8.8648	9.42895	8.82395	9.5669	7.01052	transforming growth factor beta receptor associated protein 1 [S	chr2:10588	NM_00114	XM_01700	.	.	NP_00113	XP_016860	protein_co	ENSG0000	9392	16836
TGIF1	131.224	129.666	126.571	128.549	122.106	133.704	TGFB induced factor homeobox 1 [Source:HGNC Symbol;Acc:HGN	chr18:3411	NM_00127	XM_01152	.	.	NP_00126	XP_011524	protein_co	ENSG0000	7050	11776
TGIF2	10.1575	10.5413	10.6259	10.9284	10.8913	8.91951	TGFB induced factor homeobox 2 [Source:HGNC Symbol;Acc:HGN	chr20:3520	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	60436	15764
TGIF2-C20orf24	2.77E-05	1.82929	0.581136	1.86E-22	4.93E-13	3.99E-06	TGIF2-C20orf24 readthrough [Source:HGNC Symbol;Acc:HGNC:44	chr20:3520	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100527943	44664
TGIF2LX	0	0	0	0	0	0	TGFB induced factor homeobox 2 like, X-linked [Source:HGNC Syr	chrX:89176	NM_13896	.	.	.	NP_62041	.	protein_co	ENSG0000	90316	18570
TGIF2LY	0	0	0	0	0	0	TGFB induced factor homeobox 2 like, Y-linked [Source:HGNC Syr	chrY:34470	NM_13921	.	.	.	NP_63196	.	protein_co	ENSG0000	90655	18569
TGM1	0.898969	0.634442	1.11186	0.78095	0.639943	0.435076	transglutaminase 1 [Source:HGNC Symbol;Acc:HGNC:11777]	chr14:2471	NM_00035	.	.	.	NP_00035	.	protein_co	ENSG0000	7051	11777
TGM2	2.01039	1.95104	6.16762	2.95998	2.55578	3.24895	transglutaminase 2 [Source:HGNC Symbol;Acc:HGNC:11778]	chr20:3675	NM_00132	XM_01152	.	.	NP_00131	XP_011527	protein_co	ENSG0000	7052	11778
TGM3	0	0.049637	0.021231	0.053473	0.028166	0	transglutaminase 3 [Source:HGNC Symbol;Acc:HGNC:11779]	chr20:2276	NM_00324	.	.	.	NP_00323	.	protein_co	ENSG0000	7053	11779
TGM4	0.019169	0.05965	0.01662	0.021239	0	0	transglutaminase 4 [Source:HGNC Symbol;Acc:HGNC:11780]	chr3:44916	NM_00324	XM_01153	.	.	NP_00323	XP_011532	protein_co	ENSG0000	7047	11780
TGM5	0	0	0	0	0	0.052208	transglutaminase 5 [Source:HGNC Symbol;Acc:HGNC:11781]	chr15:4352	NM_00424	.	.	.	NP_00423	.	protein_co	ENSG0000	9333	11781
TGM6	0	0	0	0	0	0	transglutaminase 6 [Source:HGNC Symbol;Acc:HGNC:16255]	chr20:2361	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	343641	16255
TGM7	0	0	0	0.031984	0	0	transglutaminase 7 [Source:HGNC Symbol;Acc:HGNC:30790]	chr15:4356	NM_05295	XM_01702	.	.	NP_44318	XP_016877	protein_co	ENSG0000	116179	30790
TGOLN2	24.662	25.9518	24.6118	19.2332	21.9987	19.7603	trans-golgi network protein 2 [Source:HGNC Symbol;Acc:HGNC:1	chr2:85545	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	10618	15450
TGS1	11.5675	11.5129	11.8943	14.1204	14.477	12.7963	trimethylguanosine synthase 1 [Source:HGNC Symbol;Acc:HGNC:	chr8:56651	NM_02483	XM_00671	.	.	NP_07910	XP_005251	protein_co	ENSG0000	96764	17843
TH	0	0.061176	0	0	0	0	tyrosine hydroxylase [Source:HGNC Symbol;Acc:HGNC:11782]	chr11:2185	NM_00036	XM_01152	.	.	NP_00035	XP_011518	protein_co	ENSG0000	7054	11782
THADA	7.6476	7.77184	7.42876	8.10073	8.90859	7.04877	THADA, armadillo repeat containing [Source:HGNC Symbol;Acc:H	chr2:43457	NM_00108	XM_00671	.	.	NP_00107	XP_006712	protein_co	ENSG0000	63892	19217
THAP1	7.17609	7.9319	6.74474	8.25386	6.40574	7.89539	THAP domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2085	chr8:42691	NM_0181C	.	.	.	NP_06057	.	protein_co	ENSG0000	55145	20856
THAP10	1.52623	1.80055	0.889413	1.66075	1.75562	0.876521	THAP domain containing 10 [Source:HGNC Symbol;Acc:HGNC:231	chr15:7112	NM_02014	.	.	.	NP_06453	.	protein_co	ENSG0000	56906	23193
THAP11	23.1504	21.5606	18.8053	25.8111	23.6634	18.6488	THAP domain containing 11 [Source:HGNC Symbol;Acc:HGNC:231	chr16:6786	NM_02045	.	.	.	NP_06519	.	protein_co	ENSG0000	57215	23194
THAP12	26.5507	26.5721	26.5138	26.1364	34.8556	26.2874	THAP domain containing 12 [Source:HGNC Symbol;Acc:HGNC:944	chr11:7606	NM_0047C	.	.	.	NP_00469	.	protein_co	ENSG0000	5612	9440
THAP2	4.02946	1.51916	1.88443	2.66182	3.55148	3.40263	THAP domain containing 2 [Source:HGNC Symbol;Acc:HGNC:2085	chr12:7200	NM_03143	.	.	.	NP_11362	.	protein_co	ENSG0000	83591	20854
THAP3	15.741	15.4756	12.9128	17.2221	11.7843	12.8302	THAP domain containing 3 [Source:HGNC Symbol;Acc:HGNC:2085	chr1:66849	NM_00119	XM_01700	.	.	NP_00118	XP_005263	protein_co	ENSG0000	90326	20855
THAP4	29.9224	29.8269	31.5139	36.3686	35.7772	25.4836	THAP domain containing 4 [Source:HGNC Symbol;Acc:HGNC:2318	chr2:24252	NM_00116	XM_00524	.	.	NP_00115	XP_005247	protein_co	ENSG0000	51078	23187
THAP5	15.5021	16.8532	13.0004	14.5463	17.844	16.7467	THAP domain containing 5 [Source:HGNC Symbol;Acc:HGNC:2318	chr7:10820	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	168451	23188
THAP6	8.31351	7.87779	6.67087	5.8122	6.93245	8.23264	THAP domain containing 6 [Source:HGNC Symbol;Acc:HGNC:2318	chr4:76404	NM_00131	XM_01700	.	.	NP_00130	XP_005262	protein_co	ENSG0000	152815	23189
THAP7	22.8196	21.859	19.5344	27.7462	22.4729	17.9169	THAP domain containing 7 [Source:HGNC Symbol;Acc:HGNC:2319	chr22:2135	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	80764	23190
THAP8	1.01036	0.947262	1.52777	1.08454	1.00595	1.01184	THAP domain containing 8 [Source:HGNC Symbol;Acc:HGNC:2319	chr19:3652	NM_15265	XM_01152	.	.	NP_68987	XP_005258	protein_co	ENSG0000	199745	23191
THAP9	2.0072	1.6568	1.81843	1.81301	2.07539	2.7935	THAP domain containing 9 [Source:HGNC Symbol;Acc:HGNC:2319	chr4:83821	NM_02467	XM_00526	.	.	NP_07894	XP_005263	protein_co	ENSG0000	79725	23192
THBD	0.108562	0.246743	0.300466	0.388031	0.371881	0.313184	thrombomodulin [Source:HGNC Symbol;Acc:HGNC:11784]	chr20:2302	NM_00036	.	.	.	NP_00035	.	protein_co	ENSG0000	7056	11784
THBS1	2.4198	2.22383	1.84763	1.21392	1.33955	1.19114	thrombospondin 1 [Source:HGNC Symbol;Acc:HGNC:11785]	chr15:3987	NM_00324	XM_01152	.	.	NP_00323	XP_011520	protein_co	ENSG0000	7057	11785
THBS2	0	0	0.051688	0.01396	0.029319	0	thrombospondin 2 [Source:HGNC Symbol;Acc:HGNC:11786]	chr6:16961	NM_00324	.	.	.	NP_00323	.	protein_co	ENSG0000	7058	11786
THBS3	1.92368	1.93824	2.72377	1.21944	1.08927	1.58577	thrombospondin 3 [Source:HGNC Symbol;Acc:HGNC:11787]	chr1:15516	NM_00125	XM_01700	.	.	NP_00123	XP_006711	protein_co	ENSG0000	7059	11787
THBS4	0.299808	0.305854	0.212584	0.266815	0.235493	0.217145	thrombospondin 4 [Source:HGNC Symbol;Acc:HGNC:11788]	chr5:79331	NM_00130	XM_01154	.	.	NP_00129	XP_011541	protein_co	ENSG0000	7060	11788
THEG	0	0	0	0	0	0	theg spermatid protein [Source:HGNC Symbol;Acc:HGNC:13706]	chr19:3617	NM_01658	XM_01152	.	.	NP_05766	XP_011526	protein_co	ENSG0000	51298	13706
THEGL	0.049764	0	0.043464	0	0	0.104293	theg spermatid protein-like [Source:HGNC Symbol;Acc:HGNC:437	chr4:57396	NM_00125	XM_01153	.	.	NP_00124	XP_011532	protein_co	ENSG0000	100506564	43771
THEM4	15.549	13.74	14.1211	13.7742	15.5603	11.5194	thioesterase superfamily member 4 [Source:HGNC Symbol;Acc:H	chr1:15184	NM_05305	.	.	.	NP_44428	.	protein_co	ENSG0000	117145	17947
THEM5	0.074103	0	0	0	0	0	thioesterase superfamily member 5 [Source:HGNC Symbol;Acc:H	chr1:15181	NM_18257	.	.	.	NP_87238	.	protein_co	ENSG0000	284486	26755
THEM6	20.6721	20.3926	23.0951	20.6687	19.9101	15.2136	thioesterase superfamily member 6 [Source:HGNC Symbol;Acc:H	chr8:14380	NM_01664	XM_00525	.	.	NP_05773	XP_005251	protein_co	ENSG0000	51337	29656
THEMIS	0	0	0	0	0	0	thymocyte selection associated [Source:HGNC Symbol;Acc:HGNC	chr6:12802	NM_00101	XM_01153	.	.	NP_00101	XP_011534	protein_co	ENSG0000	387357	21569
THEMIS2	4.99051	5.83013	6.96409	5.15057	4.50515	3.98695	thymocyte selection associated family member 2 [Source:HGNC S	chr1:28199	NM_00103	XM_01154	.	.	NP_00103	XP_005246	protein_co	ENSG0000	9473	16839
THG1L	10.2697	9.33756	10.6455	11.5626	9.62663	8.85968	tRNA-histidine guanylyltransferase 1 like [Source:HGNC Symbol;A	chr5:15715	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	54974	26053
THNSL1	6.53307	6.09036	6.21386	5.02238	5.87853	5.81728	threonine synthase like 1 [Source:HGNC Symbol;Acc:HGNC:2616	chr10:2527	NM_02483	XM_01701	.	.	NP_07911	XP_005252	protein_co	ENSG0000	79896	26160
THNSL2	0	0	0	0	0	0	threonine synthase like 2 [Source:HGNC Symbol;Acc:HGNC:25602	chr2:88469	NM_00124	XM_01153	.	.	NP_00123	XP_005264	protein_co	ENSG0000	55258	25602

THOC1	6.81467	7.22005	7.06213	6.49881	7.28773	6.52314	THO complex 1 [Source:HGNC Symbol;Acc:HGNC:19070]	chr18:1583	NM_00513	XM_01152	.	.	NP_00512	XP_011524	protein_co	ENSG0000	9984	19070
THOC2	22.9039	21.5983	27.3649	20.3202	23.7699	27.1211	THO complex 2 [Source:HGNC Symbol;Acc:HGNC:19073]	chrX:12273	NM_00108	XM_01702	.	.	NP_00107	XP_005262	protein_co	ENSG0000	57187	19073
THOC3	44.8379	46.4317	41.0371	74.6536	51.2105	56.8995	THO complex 3 [Source:HGNC Symbol;Acc:HGNC:19072]	chr5:17538	NM_03236	.	.	.	NP_11573	.	protein_co	ENSG0000	84321	19072
THOC5	22.4092	22.7764	17.6765	27.3471	22.5157	20.8745	THO complex 5 [Source:HGNC Symbol;Acc:HGNC:19074]	chr22:2990	NM_00100	XM_00672	.	.	NP_00100	XP_005261	protein_co	ENSG0000	8563	19074
THOC6	32.3253	31.6343	24.5196	35.8829	27.0878	21.5916	THO complex 6 [Source:HGNC Symbol;Acc:HGNC:28369]	chr16:3072	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	79228	28369
THOC7	43.289	46.7242	45.5551	40.3837	50.9111	49.5419	THO complex 7 [Source:HGNC Symbol;Acc:HGNC:29874]	chr3:63805	NM_00128	XM_00671	.	.	NP_00127	XP_006713	protein_co	ENSG0000	80145	29874
THOP1	49.2773	53.5467	48.2291	58.7218	48.3511	41.4812	thimet oligopeptidase 1 [Source:HGNC Symbol;Acc:HGNC:11793]	chr19:2785	NM_00324	.	.	.	NP_00324	.	protein_co	ENSG0000	7064	11793
THPO	0.067564	0.20801	0.146416	0	0.095163	0.144591	thrombopoietin [Source:HGNC Symbol;Acc:HGNC:11795]	chr3:18408	NM_00046	XM_01151	.	.	NP_00045	.	protein_co	ENSG0000	7066	11795
THRA	11.1582	10.4481	12.8983	10.691	10.082	9.12401	thyroid hormone receptor, alpha [Source:HGNC Symbol;Acc:HGN	chr17:3821	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	7067	11796
THRAP3	67.0822	68.1309	62.4639	66.5903	66.4065	69.0052	thyroid hormone receptor associated protein 3 [Source:HGNC Sy	chr1:36690	NM_00132	.	.	.	NP_00130	.	protein_co	ENSG0000	9967	22964
THRB	0.778403	0.827584	1.22896	0.568219	0.453389	0.597124	thyroid hormone receptor beta [Source:HGNC Symbol;Acc:HGNC	chr3:24158	NM_00046	XM_01153	.	.	NP_00045	XP_005265	protein_co	ENSG0000	7068	11799
THRSP	0	0	0	0.133312	0	0	thyroid hormone responsive [Source:HGNC Symbol;Acc:HGNC:11	chr11:7772	NM_00325	.	.	.	NP_00324	.	protein_co	ENSG0000	7069	11800
THSD1	0.364513	0.240202	0.464898	0.400632	0.494707	0.497361	thrombospondin type 1 domain containing 1 [Source:HGNC Symb	chr13:5295	NM_01867	.	.	.	NP_06114	.	protein_co	ENSG0000	55901	17754
THSD4	1.84479	1.6593	3.2195	1.08996	1.11192	3.48503	thrombospondin type 1 domain containing 4 [Source:HGNC Symb	chr15:7138	NM_00128	XM_01152	.	.	NP_00127	XP_006720	protein_co	ENSG0000	79875	25835
THSD7A	0.042016	0.044397	0.006068	0	0	0.034852	thrombospondin type 1 domain containing 7A [Source:HGNC Sym	chr7:11409	NM_01520	XM_01151	.	.	NP_05601	XP_006715	protein_co	ENSG0000	221981	22207
THSD7B	0	0	0	0.012595	0	0	thrombospondin type 1 domain containing 7B [Source:HGNC Sym	chr2:13752	NM_00108	XM_00526	.	.	NP_00107	XP_005263	protein_co	ENSG0000	80731	29348
THTPA	3.54834	2.78348	4.19603	1.81305	1.1506	1.07007	thiamine triphosphatase [Source:HGNC Symbol;Acc:HGNC:18987	chr14:2402	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	79178	18987
THUMPD1	19.6258	20.7254	20.7978	19.8051	25.7758	23.1292	THUMP domain containing 1 [Source:HGNC Symbol;Acc:HGNC:23	chr16:2074	NM_00130	.	.	.	NP_00129	XP_016878	protein_co	ENSG0000	55623	23807
THUMPD2	11.1243	11.2512	11.8427	12.9295	13.1834	9.83316	THUMP domain containing 2 [Source:HGNC Symbol;Acc:HGNC:14	chr2:39963	NM_02526	XM_01153	.	.	NP_07954	XP_016860	protein_co	ENSG0000	80745	14890
THUMPD3	26.9601	26.0885	27.7296	27.092	29.5524	27.5145	THUMP domain containing 3 [Source:HGNC Symbol;Acc:HGNC:24	chr3:94045	NM_00111	XM_01153	.	.	NP_00110	XP_005265	protein_co	ENSG0000	25917	24493
THY1	0	0	0	0.041852	0	0	Thy-1 cell surface antigen [Source:HGNC Symbol;Acc:HGNC:1180	chr11:1192	NM_00628	.	.	.	NP_00129	.	protein_co	ENSG0000	7070	11801
THYN1	33.5509	31.7595	25.9849	27.0965	23.552	21.1878	thymocyte nuclear protein 1 [Source:HGNC Symbol;Acc:HGNC:29	chr11:1341	NM_00103	XM_00527	.	.	NP_00103	XP_005271	protein_co	ENSG0000	29087	29560
TIA1	20.3792	21.0288	21.4225	19.1654	21.1341	24.4014	TIA1 cytotoxic granule-associated RNA binding protein [Source:H	chr2:70436	NM_02203	XM_01700	.	.	NP_07132	XP_005264	protein_co	ENSG0000	7072	11802
TIAF1	0.532476	0.4659	0.443628	0.381005	0.292051	0.401427	TGFB1-induced anti-apoptotic factor 1 [Source:HGNC Symbol;Acc	chr17:2739	NM_00474	.	.	.	NP_00473	.	protein_co	ENSG0000	9220	11803
TIAL1	70.2999	66.7535	69.3775	74.2187	77.8548	78.0838	TIA1 cytotoxic granule-associated RNA binding protein-like 1 [Sou	chr10:1213	NM_00103	XM_00527	.	.	NP_00102	.	protein_co	ENSG0000	7073	11804
TIAM1	7.01974	6.32505	15.5106	5.5754	6.29333	9.35806	T-cell lymphoma invasion and metastasis 1 [Source:HGNC Symbo	chr21:3249	NM_00325	XM_01702	.	.	NP_00324	XP_005261	protein_co	ENSG0000	7074	11805
TIAM2	0.745451	0.861023	1.02237	1.17134	0.992648	1.06569	T-cell lymphoma invasion and metastasis 2 [Source:HGNC Symbo	chr6:15505	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	26230	11806
TICAM1	17.5668	18.7894	15.6647	16.8193	15.7962	13.0164	toll like receptor adaptor molecule 1 [Source:HGNC Symbol;Acc:H	chr19:4815	NM_18291	.	.	.	NP_89154	.	protein_co	ENSG0000	148022	18348
TICAM2	1.53E-08	1.16E-06	7.56E-08	2.07E-08	3.58E-06	0.216552	toll like receptor adaptor molecule 2 [Source:HGNC Symbol;Acc:H	chr5:11491	NM_02164	.	.	.	NP_06768	.	protein_co	ENSG0000	353376	21354
TICRR	7.66697	8.00252	6.91352	7.75234	8.55469	6.35853	TOPBP1 interacting checkpoint and replication regulator [Source:	chr15:9011	NM_00130	XM_01152	.	.	NP_00129	XP_011520	protein_co	ENSG0000	90381	28704
TIE1	0.020134	0	0	0.021623	0	0.022088	tyrosine kinase with immunoglobulin like and EGF like domains 1	chr1:43766	NM_00125	XM_00671	.	.	NP_00124	XP_005271	protein_co	ENSG0000	7075	11809
TIFA	15.8585	15.7602	12.6458	15.839	16.4272	14.8137	TRAF interacting protein with forkhead associated domain [Sourc	chr4:11319	NM_05286	XM_01153	.	.	NP_44309	XP_011530	protein_co	ENSG0000	92610	19075
TIFAB	0	0	0	0	0	0	TIFA inhibitor [Source:HGNC Symbol;Acc:HGNC:34024]	chr5:13477	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	497189	34024
TIGAR	9.37761	8.96905	12.2606	10.4639	13.4883	9.88719	TP53 induced glycolysis regulatory phosphatase [Source:HGNC Sy	chr12:4416	NM_02037	.	.	.	NP_06510	.	protein_co	ENSG0000	57103	1185
TIGD1	3.9035	4.11799	2.33627	3.99828	4.05246	3.01357	tigger transposable element derived 1 [Source:HGNC Symbol;Acc	chr2:23341	NM_14570	.	NR_04979	.	NP_66374	.	protein_co	ENSG0000	100847037	14523
TIGD2	7.48131	6.37284	6.74791	6.63652	8.84016	7.94796	tigger transposable element derived 2 [Source:HGNC Symbol;Acc	chr4:90032	NM_14571	.	.	.	NP_66376	.	protein_co	ENSG0000	166815	18333
TIGD3	1.79738	1.80785	1.03932	1.53423	1.51665	1.3885	tigger transposable element derived 3 [Source:HGNC Symbol;Acc	chr11:6512	NM_14571	.	.	.	NP_66377	.	protein_co	ENSG0000	220359	18334
TIGD4	0.432035	0.16563	0.162195	0.211324	0.102205	0.20906	tigger transposable element derived 4 [Source:HGNC Symbol;Acc	chr4:15369	NM_14572	XM_01153	.	.	NP_66377	XP_005262	protein_co	ENSG0000	201798	18335
TIGD5	4.76491	5.23514	5.58672	4.14947	3.06976	3.17896	tigger transposable element derived 5 [Source:HGNC Symbol;Acc	chr8:14468	NM_03286	.	.	.	NP_11625	.	protein_co	ENSG0000	84948	18336
TIGD6	2.24924	2.60045	2.05345	1.84894	1.77094	1.7648	tigger transposable element derived 6 [Source:HGNC Symbol;Acc	chr5:14937	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	81789	18332
TIGD7	0.320974	0.322437	0.315363	0.436986	0.399592	0.409665	tigger transposable element derived 7 [Source:HGNC Symbol;Acc	chr16:3348	NM_03320	.	.	.	NP_14998	.	protein_co	ENSG0000	91151	18331
TIGIT	0	0.026261	0.021713	0.02809	0.075978	0.136896	T-cell immunoreceptor with Ig and ITIM domains [Source:HGNC S	chr3:11400	NM_17379	XM_01151	.	.	NP_77616	XP_011510	protein_co	ENSG0000	201633	26838
TIMD4	0	0.046488	0	0	0	0	T-cell immunoglobulin and mucin domain containing 4 [Source:H	chr5:15634	NM_00114	XM_01153	.	.	NP_00114	.	protein_co	ENSG0000	91937	25132
TIMELESS	24.4178	27.0042	21.9685	25.5125	25.4915	21.168	timeless circadian clock [Source:HGNC Symbol;Acc:HGNC:11813]	chr12:5681	NM_00392	XM_01153	.	.	NP_00391	XP_011537	protein_co	ENSG0000	8914	11813
TIMM10	65.2806	62.3527	48.1138	68.6706	53.9354	45.698	translocase of inner mitochondrial membrane 10 homolog (yeast	chr11:5729	NM_01245	.	.	.	NP_03658	.	protein_co	ENSG0000	26519	11814
TIMM10B	20.4886	17.4833	14.6091	18.1614	19.3032	13.3783	translocase of inner mitochondrial membrane 10 homolog B (yea	chr11:6495	NM_01219	.	.	.	NP_03632	.	protein_co	ENSG0000	26515	4022
TIMM13	91.5802	89.7792	63.7315	117.443	84.0527	62.5362	translocase of inner mitochondrial membrane 13 [Source:HGNC S	chr19:2389	NM_01245	.	.	.	NP_03659	.	protein_co	ENSG0000	26517	11816
TIMM17A	81.5491	82.5292	74.7106	98.2975	100.338	80.7858	translocase of inner mitochondrial membrane 17 homolog A (yea	chr1:20192	NM_00633	.	.	.	NP_00632	.	protein_co	ENSG0000	10440	17315
TIMM17B	19.9834	19.599	15.3465	58.3289	41.7975	40.6128	translocase of inner mitochondrial membrane 17 homolog B (yea	chrX:48750	NM_00116	XM_01154	.	.	NP_00116	XP_011542	protein_co	ENSG0000	10245	17310
TIMM21	15.4826	14.487	12.7088	16.0695	15.6559	9.36125	translocase of inner mitochondrial membrane 21 [Source:HGNC S	chr18:7181	NM_01417	XM_00526	.	.	NP_05489	XP_005266	protein_co	ENSG0000	29090	25010
TIMM22	11.4964	12.0367	11.2569	14.9456	10.5287	8.37708	translocase of inner mitochondrial membrane 22 homolog (yeast	chr17:9003	NM_01333	.	.	.	NP_03746	.	protein_co	ENSG0000	29928	17317
TIMM23	56.5057	50.6374	49.6334	63.2398	59.7382	54.6006	translocase of inner mitochondrial membrane 23 [Source:HGNC S	chr10:5159	NM_00632	.	.	.	NP_00631	.	protein_co	ENSG0000	100287932	17312
TIMM23B	0.758997	1.24282	0.369893	0.596167	1.02042	0.262749	translocase of inner mitochondrial membrane 23 homolog B [Sou	chr10:5137	NM_00129	.	.	.	NP_00127	XP_011537	protein_co	ENSG0000	100652748	23581
TIMM44	35.5728	34.3557	31.4677	35.5994	31.4519	40.0687	translocase of inner mitochondrial membrane 44 [Source:HGNC S	chr19:7991	NM_00635	.	.	.	NP_00634	.	protein_co	ENSG0000	10469	17316
TIMM50	63.2387	62.3006	49.1018	81.4126	60.5151	51.0124	translocase of inner mitochondrial membrane 50 [Source:HGNC S	chr19:3997	NM_00100	XM_01152	.	.	NP_00100	XP_011525	protein_co	ENSG0000	92609	23656
TIMM8A	15.8069	13.9628	17.0389	20.2185	20.8982	14.0932	translocase of inner mitochondrial membrane 8 homolog A (yeas	chrX:10060	NM_00408	.	.	.	NP_00407	.	protein_co	ENSG0000	1678	11817
TIMM8B	58.8657	52.1032	47.9071	80.8314	53.7882	42.8587	translocase of inner mitochondrial membrane 8 homolog B [Sour	chr11:1118	NM_01245	.	.	.	NP_03659	.	protein_co	ENSG0000	26521	11818
TIMM9	20.713	20.0582	18.4531	21.4409	26.6096	24.0106	translocase of inner mitochondrial membrane 9 [Source:HGNC Sy	chr14:5886	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	26520	11819
TIMMDC1	51.4076	53.2678	49.3963	52.6669	49.2098	50.6971	translocase of inner mitochondrial membrane domain containing	chr3:11921	NM_01658	.	.	.	NP_05767	XP_016862	protein_co	ENSG0000	51300	1321

TIMP1	175.025	169.812	181.043	204.872	140.411	132.736	TIMP metallopeptidase inhibitor 1 [Source:HGNC Symbol;Acc:HG	chrX:47420	NM_00325	.	.	.	NP_00324	.	protein_co	ENSG0000	7076	11820
TIMP2	36.6276	40.1717	44.8667	34.2673	32.3306	42.116	TIMP metallopeptidase inhibitor 2 [Source:HGNC Symbol;Acc:HG	chr17:7684	NM_00325	.	.	.	NP_00324	.	protein_co	ENSG0000	7077	11821
TIMP3	1.02683	0.748729	1.21511	2.7264	2.3874	2.61647	TIMP metallopeptidase inhibitor 3 [Source:HGNC Symbol;Acc:HG	chr22:3290	NM_00036	.	.	.	NP_00035	.	protein_co	ENSG0000	7078	11822
TIMP4	0	0.062152	0	0.066503	0.069651	0.06468	TIMP metallopeptidase inhibitor 4 [Source:HGNC Symbol;Acc:HG	chr3:12045	NM_00325	.	.	.	NP_00324	.	protein_co	ENSG0000	7079	11823
TINAG	0	0	0	0	0	0	tubulointerstitial nephritis antigen [Source:HGNC Symbol;Acc:HG	chr6:54172	NM_01446	XM_01151	.	.	NP_05527	XP_006715	protein_co	ENSG0000	27283	14599
TINAGL1	17.8179	17.121	42.3045	25.0217	23.294	25.1689	tubulointerstitial nephritis antigen like 1 [Source:HGNC Symbol;A	chr1:32042	NM_00120	XM_00527	.	.	NP_00119	XP_005271	protein_co	ENSG0000	64129	19168
TINCR	1.45346	1.77941	2.1838	3.30047	2.51929	2.58365	tissue differentiation-inducing non-protein coding RNA [Source:H	chr19:5558	.	.	.	.	.	.	protein_co	ENSG0000	.	14607
TINF2	17.1412	17.6619	14.3061	13.9456	11.1119	10.964	TERF1 interacting nuclear factor 2 [Source:HGNC Symbol;Acc:HGN	chr14:2470	NM_00109	XM_00526	.	.	NP_00109	XP_005267	protein_co	ENSG0000	26277	11824
TIPARP	24.3094	28.7576	20.3174	33.4831	35.7594	36.2937	TCDD inducible poly(ADP-ribose) polymerase [Source:HGNC Symb	chr3:15639	NM_00118	XM_01151	.	.	NP_00117	XP_011510	protein_co	ENSG0000	25976	23696
TIPIN	19.5227	17.7893	16.3312	22.7251	20.4027	17.1536	TIMELESS interacting protein [Source:HGNC Symbol;Acc:HGNC:30	chr15:6662	NM_00128	XM_01702	.	.	NP_00127	XP_005254	protein_co	ENSG0000	54962	30750
TIPRL	20.849	22.55	22.6039	22.4649	24.4456	27.1671	TOR signaling pathway regulator [Source:HGNC Symbol;Acc:HGN	chr1:16814	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	261726	30231
TIRAP	6.40597	6.82073	5.16	6.22117	6.05351	4.75796	TIR domain containing adaptor protein [Source:HGNC Symbol;Acc	chr11:1261	NM_00103	XM_01701	.	.	NP_00103	XP_005271	protein_co	ENSG0000	114609	17192
TISP43	0	0	0	0	0	0	uncharacterized LOC150527 [Source:EntrezGene;Acc:150527]	chr2:13132	.	.	NR_02731	.	.	.	protein_co	ENSG0000	150527, 64	.
TJAP1	13.9596	13.5475	12.5411	11.4121	11.4	11.535	tight junction associated protein 1 [Source:HGNC Symbol;Acc:HG	chr6:43445	NM_00114	XM_01701	.	.	NP_00113	XP_006715	protein_co	ENSG0000	93643	17949
TJP1	18.9321	19.7304	19.7477	17.2475	20.2203	24.2234	tight junction protein 1 [Source:HGNC Symbol;Acc:HGNC:11827]	chr15:2999	NM_00130	XM_01702	.	.	NP_00128	XP_005254	protein_co	ENSG0000	7082	11827
TJP2	7.89404	7.71918	7.79714	8.2288	7.25106	8.63126	tight junction protein 2 [Source:HGNC Symbol;Acc:HGNC:11828]	chr9:71736	NM_00117	XM_01701	.	.	NP_00116	XP_005252	protein_co	ENSG0000	9414	11828
TJP3	9.18929	8.25036	13.6392	4.54936	4.47783	7.40961	tight junction protein 3 [Source:HGNC Symbol;Acc:HGNC:11829]	chr19:3708	NM_00126	.	.	.	NP_00125	.	protein_co	ENSG0000	27134	11829
TK1	212.584	212.615	181.727	245.764	201.606	186.385	thymidine kinase 1 [Source:HGNC Symbol;Acc:HGNC:11830]	chr17:7617	NM_00325	XM_01702	.	.	NP_00324	XP_016880	protein_co	ENSG0000	7083	11830
TK2	9.76425	8.83653	10.7294	8.57567	7.76867	8.55261	thymidine kinase 2, mitochondrial [Source:HGNC Symbol;Acc:HG	chr16:6654	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	7084	11831
TKFC	15.9572	17.2524	19.6006	19.667	16.2223	18.0111	triokinase and FMN cyclase [Source:HGNC Symbol;Acc:HGNC:245	chr11:6106	NM_01553	XM_01154	.	.	NP_05634	XP_011543	protein_co	ENSG0000	26007	24552
TKT	203.455	209.396	222.578	274.288	235.406	230.64	transketolase [Source:HGNC Symbol;Acc:HGNC:11834]	chr3:53258	NM_00106	XM_01153	.	.	NP_00105	XP_011532	protein_co	ENSG0000	7086	11834
TKTL1	0	0.031401	0.026134	0	0	0.031382	transketolase like 1 [Source:HGNC Symbol;Acc:HGNC:11835]	chrX:15352	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	8277	11835
TKTL2	0	0	0	0	0	0	transketolase like 2 [Source:HGNC Symbol;Acc:HGNC:25313]	chr4:16439	NM_03213	.	.	.	NP_11551	.	protein_co	ENSG0000	84076	25313
TLCD1	33.8174	33.7782	24.2889	34.6863	24.9939	15.0049	TLC domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25177	chr17:2704	NM_00116	XM_01152	.	.	NP_00115	XP_006721	protein_co	ENSG0000	116238	25177
TLCD2	0.532615	0.636684	0.578802	0.413399	0.338898	0.804183	TLC domain containing 2 [Source:HGNC Symbol;Acc:HGNC:33522	chr17:1606	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	727910	33522
TLDC1	9.4138	8.60428	10.4623	7.22193	7.0212	6.65301	TBC/LysM-associated domain containing 1 [Source:HGNC Symbol	chr16:8451	NM_02094	XM_01152	.	.	NP_06599	XP_005256	protein_co	ENSG0000	57707	29325
TLDC2	0.150046	0.038484	0.093879	0.041426	0	0.03894	TBC/LysM-associated domain containing 2 [Source:HGNC Symbol	chr20:3550	NM_00130	XM_01702	.	.	NP_00129	XP_011526	protein_co	ENSG0000	140711	16112
TLE1	11.8737	12.2602	11.8217	11.7508	10.9412	9.30907	transducin like enhancer of split 1 [Source:HGNC Symbol;Acc:HGN	chr9:84198	NM_00130	XM_01151	.	.	NP_00129	XP_005252	protein_co	ENSG0000	7088	11837
TLE2	8.90628	10.4693	12.2723	7.3171	6.08209	5.63135	transducin like enhancer of split 2 [Source:HGNC Symbol;Acc:HGN	chr19:2997	NM_00114	XM_01152	.	.	NP_00113	XP_006722	protein_co	ENSG0000	7089	11838
TLE3	9.07017	9.71944	11.9759	11.5067	10.3022	10.3554	transducin like enhancer of split 3 [Source:HGNC Symbol;Acc:HGN	chr15:7034	NM_00110	XM_01152	.	.	NP_00109	XP_005254	protein_co	ENSG0000	7090	11839
TLE4	0	0	0	0	0	0	transducin like enhancer of split 4 [Source:HGNC Symbol;Acc:HGN	chr9:82186	NM_00128	XM_01151	.	.	NP_00126	XP_005252	protein_co	ENSG0000	7091	11840
TLE6	6.9552	5.0667	8.21571	5.62011	3.37083	4.45217	transducin like enhancer of split 6 [Source:HGNC Symbol;Acc:HGN	chr19:2977	NM_00114	XM_01152	.	.	NP_00113	XP_005259	protein_co	ENSG0000	79816	30788
TLK1	10.1359	9.95001	9.50904	8.92299	10.0557	11.7416	tousled like kinase 1 [Source:HGNC Symbol;Acc:HGNC:11841]	chr2:17184	NM_00113	XM_01151	.	.	NP_00113	XP_011510	protein_co	ENSG0000	9874	11841
TLK2	16.5158	18.8557	14.5155	16.7638	16.5893	16.809	tousled like kinase 2 [Source:HGNC Symbol;Acc:HGNC:11842]	chr17:6053	NM_00128	XM_01152	.	.	NP_00127	XP_011522	protein_co	ENSG0000	11011	11842
TLL1	0.193069	0.121504	0.226878	0.371829	0.045939	0.168184	tolloid like 1 [Source:HGNC Symbol;Acc:HGNC:11843]	chr4:16679	NM_00120	XM_01153	.	.	NP_00119	XP_011530	protein_co	ENSG0000	7092	11843
TLL2	0.357036	0.161195	0.328365	0.19835	0.328401	0.413171	tolloid like 2 [Source:HGNC Symbol;Acc:HGNC:11844]	chr10:9812	NM_01246	.	.	.	NP_03659	.	protein_co	ENSG0000	7093	11844
TLN1	26.4304	29.3283	25.7904	24.7853	23.9266	22.468	talin 1 [Source:HGNC Symbol;Acc:HGNC:11845]	chr9:35696	NM_00628	.	NR_10691	.	NP_00628	.	protein_co	ENSG0000	102465513	11845
TLN2	1.27198	1.43362	1.25958	1.52479	1.48682	1.23002	talin 2 [Source:HGNC Symbol;Acc:HGNC:15447]	chr15:6285	NM_01505	XM_01702	.	.	NP_05587	XP_005254	protein_co	ENSG0000	83660	15447
TLR1	0.442407	0.511621	0.562239	0.57666	0.806314	1.13516	toll like receptor 1 [Source:HGNC Symbol;Acc:HGNC:11847]	chr4:38797	NM_00326	XM_01151	.	.	NP_00325	XP_005262	protein_co	ENSG0000	7096	11847
TLR10	0.06682	0.113604	0.038048	0.105832	0.073286	0.029316	toll like receptor 10 [Source:HGNC Symbol;Acc:HGNC:15634]	chr4:38773	NM_00101	XM_01151	.	.	NP_00101	XP_011512	protein_co	ENSG0000	81793	15634
TLR2	0	0	0	0	0	0	toll like receptor 2 [Source:HGNC Symbol;Acc:HGNC:11848]	chr4:15462	NM_00326	XM_01153	.	.	NP_00130	XP_005263	protein_co	ENSG0000	7097	11848
TLR3	2.48004	1.64544	1.86961	1.0554	1.00017	0.756858	toll like receptor 3 [Source:HGNC Symbol;Acc:HGNC:11849]	chr4:18699	NM_00326	.	.	.	NP_00325	XP_016864	protein_co	ENSG0000	7098	11849
TLR4	0	0	0	0	0	0	toll like receptor 4 [Source:HGNC Symbol;Acc:HGNC:11850]	chr9:12046	NM_00326	.	.	.	NP_00325	.	protein_co	ENSG0000	7099	11850
TLR5	0.49584	0.485628	0.896702	0.61887	0.604093	0.930301	toll like receptor 5 [Source:HGNC Symbol;Acc:HGNC:11851]	chr1:22328	NM_00326	XM_01150	.	.	NP_00325	XP_005273	protein_co	ENSG0000	7100	11851
TLR6	1.55932	1.62888	1.22117	1.1479	1.67873	1.90579	toll like receptor 6 [Source:HGNC Symbol;Acc:HGNC:16711]	chr4:38825	NM_00606	XM_01151	.	.	NP_00605	XP_005262	protein_co	ENSG0000	10333	16711
TLR7	0.015555	0	0.01351	0	0	0.030384	toll like receptor 7 [Source:HGNC Symbol;Acc:HGNC:15631]	chrX:12885	NM_01656	.	.	.	NP_05764	.	protein_co	ENSG0000	51284	15631
TLR8	0	0	0	0	0	0	toll like receptor 8 [Source:HGNC Symbol;Acc:HGNC:15632]	chrX:12924	NM_01661	XM_01154	.	.	NP_05769	XP_011543	protein_co	ENSG0000	51311	15632
TLR9	4.44E-09	1.22E-11	2.27E-19	0.151857	6.59E-35	0.262553	toll like receptor 9 [Source:HGNC Symbol;Acc:HGNC:15633]	chr3:52255	NM_01744	.	.	.	NP_05913	.	protein_co	ENSG0000	54106	15633
TLX1	0.057154	0	0.055062	0.069241	0.134294	0.105204	T-cell leukemia homeobox 1 [Source:HGNC Symbol;Acc:HGNC:50	chr10:1028	NM_00119	XM_01153	.	.	NP_00118	XP_011538	protein_co	ENSG0000	3195	5056
TLX2	0	0	0	0	0	0.094922	T-cell leukemia homeobox 2 [Source:HGNC Symbol;Acc:HGNC:50	chr2:74740	NM_01617	.	.	.	NP_05725	.	protein_co	ENSG0000	3196	5057
TLX3	4.25692	5.22691	4.93888	6.21675	4.69187	5.18309	T-cell leukemia homeobox 3 [Source:HGNC Symbol;Acc:HGNC:13	chr5:17073	NM_02102	.	.	.	NP_06630	.	protein_co	ENSG0000	30012	13532
TM2D1	14.5584	15.7345	15.7373	14.8632	18.2365	15.919	TM2 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2414	chr1:62146	NM_03202	.	.	.	NP_11441	.	protein_co	ENSG0000	83941	24142
TM2D2	32.0279	30.0535	31.7141	34.4136	34.5874	30.7623	TM2 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:2412	chr8:38846	NM_00102	XM_01154	.	.	NP_00101	XP_005273	protein_co	ENSG0000	83877	24127
TM2D3	25.5219	26.4624	26.7688	25.4327	25.3774	25.9053	TM2 domain containing 3 [Source:HGNC Symbol;Acc:HGNC:2412	chr15:1021	NM_00130	XM_00525	.	.	NP_00129	XP_005255	protein_co	ENSG0000	80213	24128
TM4SF1	0	0	0.089061	0	0	0	transmembrane 4 L six family member 1 [Source:HGNC Symbol;A	chr3:14908	NM_01422	XM_01700	.	.	NP_05503	XP_016861	protein_co	ENSG0000	4071	11853
TM4SF18	0.230011	0.197908	0.680626	0.025749	0	0.043537	transmembrane 4 L six family member 18 [Source:HGNC Symbol;	chr3:14903	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	116441	25181
TM4SF19	1.76021	1.0826	0.480178	0.873065	1.59218	1.27124	transmembrane 4 L six family member 19 [Source:HGNC Symbol;	chr3:19604	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	116211	25167
TM4SF20	0	0	0	0	0	0	transmembrane 4 L six family member 20 [Source:HGNC Symbol;	chr2:22822	NM_02479	.	.	.	NP_07907	.	protein_co	ENSG0000	79853	26230
TM4SF4	0	0	0	0	0	0	transmembrane 4 L six family member 4 [Source:HGNC Symbol;A	chr3:14919	NM_00461	.	.	.	NP_00460	.	protein_co	ENSG0000	7104	11856

TM4SF5	0	0	0	0.197833	0	0	transmembrane 4 L six family member 5 [Source:HGNC Symbol;A	chr17:4675	NM_00396	.	.	.	NP_00395	.	protein_co	ENSG0000	9032	11857
TM6SF1	0	0	0	0	0	0	transmembrane 6 superfamily member 1 [Source:HGNC Symbol;A	chr15:8377	NM_00114	XM_01152	.	.	NP_00113	XP_01151	protein_co	ENSG0000	53346	11860
TM6SF2	0	0	0	0	0	0	transmembrane 6 superfamily member 2 [Source:HGNC Symbol;A	chr19:1937	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	53345	11861
TM7SF2	25.8752	24.9974	37.7192	25.5983	21.8207	28.2684	transmembrane 7 superfamily member 2 [Source:HGNC Symbol;A	chr11:6486	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	7108	11863
TM7SF3	34.799	34.8083	27.9488	35.941	40.0977	30.8398	transmembrane 7 superfamily member 3 [Source:HGNC Symbol;A	chr12:2712	NM_01655	XM_01152	.	.	NP_05763	XP_00525	protein_co	ENSG0000	51768	23049
TM9SF1	25.6261	27.6408	21.8296	25.8459	24.1189	16.9269	transmembrane 9 superfamily member 1 [Source:HGNC Symbol;A	chr14:2465	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	10548	11864
TM9SF2	57.037	58.4065	49.7401	54.4765	59.7366	66.5085	transmembrane 9 superfamily member 2 [Source:HGNC Symbol;A	chr13:1001	NM_00480	.	.	.	NP_00479	.	protein_co	ENSG0000	9375	11865
TM9SF3	24.2489	23.001	22.4399	19.8654	28.6972	30.9855	transmembrane 9 superfamily member 3 [Source:HGNC Symbol;A	chr10:9827	NM_02012	XM_01153	.	.	NP_06450	XP_01153	protein_co	ENSG0000	56889	21529
TM9SF4	24.6406	23.7823	25.353	23.205	22.9347	21.6978	transmembrane 9 superfamily member 4 [Source:HGNC Symbol;A	chr20:3069	NM_01474	XM_00526	.	.	NP_05555	XP_00526	protein_co	ENSG0000	9777	30797
TMA16	24.2041	20.4281	21.7493	20.4609	24.0556	23.3775	translation machinery associated 16 homolog [Source:HGNC Sym	chr4:16441	NM_01835	XM_01153	.	.	NP_06082	.	protein_co	ENSG0000	55319	25638
TMA7	454.864	422.26	398.106	629.423	461.679	428.675	translation machinery associated 7 homolog [Source:HGNC Symb	chr3:48481	NM_00132	.	.	.	NP_00131	.	protein_co	ENSG0000	51372	26932
TMBIM1	46.5449	56.1005	47.9423	57.2073	46.9117	45.9009	transmembrane BAX inhibitor motif containing 1 [Source:HGNC S	chr2:21913	NM_00132	XM_01151	NR_10676	.	NP_00130	XP_00524	protein_co	ENSG0000	102465256	23410
TMBIM4	30.297	27.8913	22.8475	30.1503	28.7507	24.1374	transmembrane BAX inhibitor motif containing 4 [Source:HGNC S	chr12:6652	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	51643	24257
TMBIM6	332.396	326.93	322.661	322.577	313.968	396.222	transmembrane BAX inhibitor motif containing 6 [Source:HGNC S	chr12:5013	NM_00109	XM_00526	.	.	NP_00109	XP_00526	protein_co	ENSG0000	7009	11723
TMC1	0.093866	0.039557	0.033035	0	0	0.037656	transmembrane channel like 1 [Source:HGNC Symbol;Acc:HGNC:	chr9:75136	NM_13869	.	.	.	NP_61963	XP_01686	protein_co	ENSG0000	117531	16513
TMC2	0	0	0	0	0	0	transmembrane channel like 2 [Source:HGNC Symbol;Acc:HGNC:	chr20:2517	NM_08075	XM_00526	.	.	NP_54278	XP_00526	protein_co	ENSG0000	117532	16527
TMC3	0	0.015377	0	0	0	0	transmembrane channel like 3 [Source:HGNC Symbol;Acc:HGNC:	chr15:8162	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	342125	22995
TMC4	11.518	11.1683	16.048	6.79643	7.01469	9.51205	transmembrane channel like 4 [Source:HGNC Symbol;Acc:HGNC:	chr19:5466	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	147798	22998
TMC5	3.75577	3.32932	2.65886	3.75479	3.41049	3.05967	transmembrane channel like 5 [Source:HGNC Symbol;Acc:HGNC:	chr16:1942	NM_00110	XM_01154	.	.	NP_00109	XP_01154	protein_co	ENSG0000	79838	22999
TMC6	26.5249	27.3227	36.98	18.0411	17.2816	24.7964	transmembrane channel like 6 [Source:HGNC Symbol;Acc:HGNC:	chr17:7610	NM_00112	XM_01152	.	.	NP_00112	XP_00525	protein_co	ENSG0000	11322	18021
TMC7	2.60147	2.82979	2.59852	2.66636	3.04594	2.65776	transmembrane channel like 7 [Source:HGNC Symbol;Acc:HGNC:	chr16:1899	NM_00116	XM_01154	.	.	NP_00115	.	protein_co	ENSG0000	79905	23000
TMC8	2.40091	2.09625	3.30282	1.59327	1.92313	1.79919	transmembrane channel like 8 [Source:HGNC Symbol;Acc:HGNC:	chr17:7610	NM_15246	XM_01152	.	.	NP_68968	XP_01152	protein_co	ENSG0000	147138	20474
TMCC1	4.41478	4.89016	4.76623	4.72268	5.34317	5.84125	transmembrane and coiled-coil domain family 1 [Source:HGNC Sy	chr3:12936	NM_00101	XM_01700	.	.	NP_00101	XP_00671	protein_co	ENSG0000	23023	29116
TMCC2	1.86082	1.68372	1.8193	2.51238	2.09284	2.66606	transmembrane and coiled-coil domain family 2 [Source:HGNC Sy	chr1:20519	NM_00124	XM_01700	.	.	NP_00122	XP_00524	protein_co	ENSG0000	9911	24239
TMCC3	2.24148	2.07859	2.65125	2.26293	2.39156	2.95996	transmembrane and coiled-coil domain family 3 [Source:HGNC Sy	chr12:9496	NM_00130	.	NR_10699	.	NP_00128	.	protein_co	ENSG0000	102465834	29199
TMCO1	75.8587	71.3342	61.563	72.3283	72.1698	62.1412	transmembrane and coiled-coil domains 1 [Source:HGNC Symbol	chr1:16569	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	54499	18188
TMCO2	0	0	0	0	0	0	transmembrane and coiled-coil domains 2 [Source:HGNC Symbol	chr1:40713	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	127391	23312
TMCO3	25.3005	27.4543	25.2851	23.1913	22.1807	30.8778	transmembrane and coiled-coil domains 3 [Source:HGNC Symbol	chr13:1141	NM_01790	XM_01153	.	.	NP_06037	XP_00672	protein_co	ENSG0000	55002	20329
TMCO4	5.61134	6.05981	5.0952	6.28311	5.1269	4.65406	transmembrane and coiled-coil domains 4 [Source:HGNC Symbol	chr1:20008	NM_18171	XM_01154	.	.	NP_85907	XP_00524	protein_co	ENSG0000	255104	27393
TMCO5A	0	0	0	0	0	0	transmembrane and coiled-coil domains 5A [Source:HGNC Symbo	chr15:3822	NM_15245	XM_01152	.	.	NP_68966	XP_00525	protein_co	ENSG0000	145942	28558
TMCO6	9.44278	9.59726	11.7409	11.435	10.278	9.13744	transmembrane and coiled-coil domains 6 [Source:HGNC Symbol	chr5:14001	NM_00130	XM_01700	.	.	NP_00128	XP_00526	protein_co	ENSG0000	55374	28814
TMED1	16.8695	20.2177	12.1526	24.0162	17.3005	15.6015	transmembrane p24 trafficking protein 1 [Source:HGNC Symbol;A	chr19:1094	NM_00685	.	.	.	NP_00684	.	protein_co	ENSG0000	11018	17291
TMED10	91.0221	94.4042	79.7071	78.4738	90.8234	93.7816	transmembrane p24 trafficking protein 10 [Source:HGNC Symbol	chr14:7555	NM_00682	.	.	.	NP_00681	.	protein_co	ENSG0000	10972	16998
TMED2	158.345	159.646	125.654	152.83	159.644	172.389	transmembrane p24 trafficking protein 2 [Source:HGNC Symbol;A	chr12:1240	NM_00681	.	.	.	NP_00130	.	protein_co	ENSG0000	10959	16996
TMED3	60.2943	54.9262	58.5024	64.4953	47.6637	50.0274	transmembrane p24 trafficking protein 3 [Source:HGNC Symbol;A	chr15:7960	NM_00130	.	.	.	NP_00128	XP_01687	protein_co	ENSG0000	23423	28889
TMED4	52.3859	51.5722	54.0857	42.1877	46.1413	47.7975	transmembrane p24 trafficking protein 4 [Source:HGNC Symbol;A	chr7:44617	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	222068	22301
TMED5	13.9669	10.8749	12.2932	14.7402	18.0943	16.7317	transmembrane p24 trafficking protein 5 [Source:HGNC Symbol;A	chr1:93615	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	50999	24251
TMED6	0.34088	0.531395	0.369756	0.094302	0.764364	0.25828	transmembrane p24 trafficking protein 6 [Source:HGNC Symbol;A	chr16:6936	NM_14467	.	.	.	NP_65327	.	protein_co	ENSG0000	146456	28331
TMED7	29.9499	33.4458	24.2542	31.6323	35.5484	35.7439	transmembrane p24 trafficking protein 7 [Source:HGNC Symbol;A	chr5:11491	NM_18183	.	.	.	NP_86197	.	protein_co	ENSG0000	51014	24253
TMED7-TICAM2	5.85589	4.17337	3.70725	4.3284	3.19275	4.60798	TMED7-TICAM2 readthrough [Source:HGNC Symbol;Acc:HGNC:3	chr5:11491	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	100302736	33945
TMED8	9.90418	10.3482	13.3181	11.4346	12.508	14.5574	transmembrane p24 trafficking protein family member 8 [Source	chr14:7780	NM_21360	XM_01702	.	.	NP_99876	XP_01687	protein_co	ENSG0000	283578	18633
TMED9	169.44	173.214	124.353	156.308	136.511	118.215	transmembrane p24 trafficking protein 9 [Source:HGNC Symbol;A	chr5:17701	NM_01751	.	.	.	NP_05998	.	protein_co	ENSG0000	54732	24878
TMEFF1	1.5721	1.21866	3.42944	3.49155	3.63797	4.7399	transmembrane protein with EGF like and two follistatin like dom	chr9:10318	NM_00369	.	.	.	NP_00368	.	protein_co	ENSG0000	8577	11866
TMEFF2	0	0	0	0	0	0	transmembrane protein with EGF like and two follistatin like dom	chr2:19281	NM_00130	XM_01151	.	.	NP_00129	XP_00524	protein_co	ENSG0000	23671	11867
TMEM100	0	0	0	0	0	0.050213	transmembrane protein 100 [Source:HGNC Symbol;Acc:HGNC:25	chr17:5379	NM_00109	XM_01702	.	.	NP_00109	XP_01688	protein_co	ENSG0000	55273	25607
TMEM101	32.7781	33.274	31.358	32.3869	26.5473	28.1845	transmembrane protein 101 [Source:HGNC Symbol;Acc:HGNC:28	chr17:4208	NM_00130	XM_01152	.	.	NP_00129	XP_00525	protein_co	ENSG0000	84336	28653
TMEM102	13.8142	13.1503	14.8695	10.8437	10.2789	8.88647	transmembrane protein 102 [Source:HGNC Symbol;Acc:HGNC:26	chr17:7338	NM_00132	XM_01152	.	.	NP_00130	XP_00525	protein_co	ENSG0000	284114	26722
TMEM104	10.0367	9.01012	9.16497	9.71047	8.2647	6.39398	transmembrane protein 104 [Source:HGNC Symbol;Acc:HGNC:25	chr17:7277	NM_00132	XM_01702	.	.	NP_00130	XP_00525	protein_co	ENSG0000	54868	25984
TMEM105	0.129506	0.333981	0.133837	0.278656	0.149338	0.113524	transmembrane protein 105 [Source:HGNC Symbol;Acc:HGNC:26	chr17:7928	NM_17852	XM_01152	.	.	NP_84861	.	protein_co	ENSG0000	284186	26794
TMEM106A	1.10712	0.757163	0.650739	0.954414	1.20425	0.369801	transmembrane protein 106A [Source:HGNC Symbol;Acc:HGNC:2	chr17:4136	NM_00129	XM_01152	.	.	NP_00127	XP_00672	protein_co	ENSG0000	113277	28288
TMEM106B	12.6729	12.1801	13.64	9.94979	11.3956	15.2707	transmembrane protein 106B [Source:HGNC Symbol;Acc:HGNC:2	chr7:12250	NM_00113	XM_00524	.	.	NP_00112	XP_00524	protein_co	ENSG0000	54664	22407
TMEM106C	95.5715	93.6961	77.8305	100.093	90.8987	79.3389	transmembrane protein 106C [Source:HGNC Symbol;Acc:HGNC:2	chr12:4835	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	79022	28775
TMEM107	24.1989	24.0785	19.3945	23.6941	17.5746	17.8121	transmembrane protein 107 [Source:HGNC Symbol;Acc:HGNC:28	chr17:8076	NM_03235	.	.	.	NP_11573	.	protein_co	ENSG0000	84314	28128
TMEM108	0	0	0	0	0	0	transmembrane protein 108 [Source:HGNC Symbol;Acc:HGNC:28	chr3:13275	NM_00113	XM_01151	.	.	NP_00112	XP_00524	protein_co	ENSG0000	66000	28451
TMEM109	30.7798	36.8934	24.1652	31.4231	29.9126	20.697	transmembrane protein 109 [Source:HGNC Symbol;Acc:HGNC:28	chr11:6068	NM_02409	.	.	.	NP_07699	.	protein_co	ENSG0000	79073	28771
TMEM11	18.4047	16.0777	15.9107	23.2139	20.0445	15.5506	transmembrane protein 11 [Source:HGNC Symbol;Acc:HGNC:168	chr17:2110	NM_00387	.	.	.	NP_00386	.	protein_co	ENSG0000	8834	16823
TMEM110	7.19652	6.89178	8.3598	7.23864	8.19952	6.6352	transmembrane protein 110 [Source:HGNC Symbol;Acc:HGNC:30	chr3:52867	NM_19856	.	.	.	NP_94096	.	protein_co	ENSG0000	375346	30526
TMEM110-MUSTN1	4.14E-06	2.73E-05	0.139718	0.397992	4.4E-06	4.38E-06	TMEM110-MUSTN1 readthrough [Source:HGNC Symbol;Acc:HGN	chr3:52867	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100526772	38834
TMEM114	0	0	0	0	0	0	transmembrane protein 114 [Source:HGNC Symbol;Acc:HGNC:33	chr16:8619	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	283953	33227

TMEM115	21.977	21.9851	16.3353	21.0581	18.7703	13.789	transmembrane protein 115 [Source:HGNC Symbol;Acc:HGNC:30	chr3:50384	NM_00702	.	.	.	NP_00895	.	protein_co	ENSG0000	11070	30055
TMEM116	2.38987	2.31578	2.3313	2.25737	1.36867	3.77958	transmembrane protein 116 [Source:HGNC Symbol;Acc:HGNC:25	chr12:1123	NM_00119	XM_01153	.	.	NP_00118	XP_00671	protein_co	ENSG0000	89894	25084
TMEM117	1.73271	1.62423	2.54139	1.70823	1.89752	2.66201	transmembrane protein 117 [Source:HGNC Symbol;Acc:HGNC:25	chr12:4422	NM_00128	XM_01153	.	.	NP_00127	XP_011537	protein_co	ENSG0000	84216	25308
TMEM119	0	0.029876	0.025827	0	0	0	transmembrane protein 119 [Source:HGNC Symbol;Acc:HGNC:27	chr12:1089	NM_18172	XM_01153	.	.	NP_85907	XP_011536	protein_co	ENSG0000	338773	27884
TMEM120A	11.4824	9.78343	11.7997	8.54102	8.04748	8.60616	transmembrane protein 120A [Source:HGNC Symbol;Acc:HGNC:2	chr7:75544	NM_03192	XM_01151	.	.	NP_00130	XP_011514	protein_co	ENSG0000	83862	21697
TMEM120B	9.4983	8.95583	11.2071	9.42134	5.35925	6.76002	transmembrane protein 120B [Source:HGNC Symbol;Acc:HGNC:3	chr12:1221	NM_00108	XM_01153	.	.	NP_00107	XP_011536	protein_co	ENSG0000	144404	32008
TMEM121	5.912	5.26139	6.9075	6.73366	5.8933	4.93154	transmembrane protein 121 [Source:HGNC Symbol;Acc:HGNC:20	chr14:1059	NM_02526	XM_01153	.	.	NP_07954	XP_005268	protein_co	ENSG0000	80757	20511
TMEM123	133.285	126.418	127.754	97.5544	128.956	130.609	transmembrane protein 123 [Source:HGNC Symbol;Acc:HGNC:30	chr11:1022	NM_05293	.	.	.	NP_44316	.	protein_co	ENSG0000	114908	30138
TMEM125	9.93708	7.77303	6.20475	9.93703	9.45789	7.87404	transmembrane protein 125 [Source:HGNC Symbol;Acc:HGNC:28	chr1:43735	NM_00132	XM_01154	.	.	NP_00130	XP_00527	protein_co	ENSG0000	128218	28275
TMEM126A	30.3958	21.258	18.349	29.7332	31.844	20.9712	transmembrane protein 126A [Source:HGNC Symbol;Acc:HGNC:2	chr11:8535	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	84233	25382
TMEM126B	29.7744	29.3649	27.5099	29.3075	29.9012	29.8182	transmembrane protein 126B [Source:HGNC Symbol;Acc:HGNC:3	chr11:8533	NM_00119	XM_01154	.	.	NP_00118	XP_011543	protein_co	ENSG0000	55863	30883
TMEM127	20.3138	20.1942	17.18	15.2547	14.4974	11.3148	transmembrane protein 127 [Source:HGNC Symbol;Acc:HGNC:26	chr2:96914	NM_00119	XM_01700	.	.	NP_00118	XP_016859	protein_co	ENSG0000	55654	26038
TMEM128	13.4646	12.6828	15.8202	19.0448	19.9619	19.7402	transmembrane protein 128 [Source:HGNC Symbol;Acc:HGNC:28	chr4:42372	NM_00129	XM_00524	.	.	NP_00128	XP_005248	protein_co	ENSG0000	85013	28201
TMEM129	19.4473	19.3637	18.0334	18.944	15.256	15.6578	transmembrane protein 129 [Source:HGNC Symbol;Acc:HGNC:25	chr4:17176	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	92305	25137
TMEM130	0.034227	0	0.029489	0	0.039058	0	transmembrane protein 130 [Source:HGNC Symbol;Acc:HGNC:25	chr7:98444	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	222865	25429
TMEM131	11.6299	12.4032	14.6277	10.4928	11.7106	13.7635	transmembrane protein 131 [Source:HGNC Symbol;Acc:HGNC:30	chr2:98372	NM_01534	XM_01151	.	.	NP_05616	XP_005263	protein_co	ENSG0000	23505	30366
TMEM132A	40.2557	42.9059	45.0741	44.2865	39.3274	36.3291	transmembrane protein 132A [Source:HGNC Symbol;Acc:HGNC:3	chr11:6069	NM_01787	.	.	.	NP_06034	XP_016873	protein_co	ENSG0000	54972	31092
TMEM132B	0.059993	0.098198	0.301922	0.067464	0.037316	0.160508	transmembrane protein 132B [Source:HGNC Symbol;Acc:HGNC:2	chr12:1258	NM_00128	XM_01153	.	.	NP_00127	XP_011536	protein_co	ENSG0000	114795	29397
TMEM132C	0	0	0	0	0	0	transmembrane protein 132C [Source:HGNC Symbol;Acc:HGNC:2	chr12:1287	NM_00113	XM_01153	.	.	NP_00112	XP_011537	protein_co	ENSG0000	92293	25436
TMEM132D	0	0	0	0	0	0	transmembrane protein 132D [Source:HGNC Symbol;Acc:HGNC:2	chr12:1295	NM_13344	XM_01153	.	.	NP_59770	.	protein_co	ENSG0000	121256	29411
TMEM132E	0	0	0	0	0.023028	0	transmembrane protein 132E [Source:HGNC Symbol;Acc:HGNC:2	chr17:3290	NM_00130	XM_01152	.	.	NP_00129	.	protein_co	ENSG0000	124842	26991
TMEM133	3.23494	2.66457	3.18735	2.87899	2.45165	2.89248	transmembrane protein 133 [Source:HGNC Symbol;Acc:HGNC:24	chr11:1008	NM_03202	.	.	.	NP_11441	.	protein_co	ENSG0000	83935	24033
TMEM134	16.909	13.2836	18.7521	18.3511	13.5492	11.989	transmembrane protein 134 [Source:HGNC Symbol;Acc:HGNC:26	chr11:6722	NM_00107	XM_00671	.	.	NP_00107	XP_006718	protein_co	ENSG0000	80194	26142
TMEM135	8.06004	8.53855	12.1669	8.72194	10.1121	14.6133	transmembrane protein 135 [Source:HGNC Symbol;Acc:HGNC:26	chr11:8674	NM_00116	.	.	.	NP_00116	XP_016873	protein_co	ENSG0000	65084	26167
TMEM136	9.23352	8.37143	8.44424	6.43783	7.50105	6.90831	transmembrane protein 136 [Source:HGNC Symbol;Acc:HGNC:28	chr11:1201	NM_00119	XM_00671	.	.	NP_00118	XP_006718	protein_co	ENSG0000	219902	28280
TMEM138	22.1941	20.2612	20.6773	26.0222	24.3198	14.729	transmembrane protein 138 [Source:HGNC Symbol;Acc:HGNC:26	chr11:6106	NM_01646	XM_00671	.	.	NP_05754	XP_006718	protein_co	ENSG0000	51524	26944
TMEM139	2.25074	2.69885	2.18447	4.69865	4.96915	4.12535	transmembrane protein 139 [Source:HGNC Symbol;Acc:HGNC:22	chr7:14297	NM_00124	.	NR_10425	.	NP_00122	.	protein_co	ENSG0000	135932	22058
TMEM140	0.19496	0.039946	0.033715	0.042899	0.17605	0.245744	transmembrane protein 140 [Source:HGNC Symbol;Acc:HGNC:21	chr7:13483	NM_01829	.	.	.	NP_06076	.	protein_co	ENSG0000	55281	21870
TMEM141	68.1437	62.8801	60.0895	63.6088	47.8828	42.8154	transmembrane protein 141 [Source:HGNC Symbol;Acc:HGNC:28	chr9:13968	NM_03292	.	.	.	NP_11631	.	protein_co	ENSG0000	85014	28211
TMEM143	2.88254	2.75691	2.69365	2.65912	2.39935	2.51739	transmembrane protein 143 [Source:HGNC Symbol;Acc:HGNC:25	chr19:4883	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	55260	25603
TMEM144	4.05097	4.88208	4.97297	3.18468	3.95501	4.15949	transmembrane protein 144 [Source:HGNC Symbol;Acc:HGNC:25	chr4:15913	NM_01834	XM_00671	.	.	NP_06081	XP_005263	protein_co	ENSG0000	55314	25633
TMEM145	1.93337	2.04004	1.63714	2.25474	2.59388	0.81303	transmembrane protein 145 [Source:HGNC Symbol;Acc:HGNC:26	chr19:4281	NM_17363	XM_01152	.	.	NP_77590	XP_005258	protein_co	ENSG0000	284339	26912
TMEM147	171.238	173.287	139.65	202.206	149.292	125.405	transmembrane protein 147 [Source:HGNC Symbol;Acc:HGNC:30	chr19:3603	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	10430	30414
TMEM14A	68.9669	75.4907	60.183	104.315	79.4971	62.0575	transmembrane protein 14A [Source:HGNC Symbol;Acc:HGNC:21	chr6:52535	NM_01405	.	.	.	NP_05477	.	protein_co	ENSG0000	28978	21076
TMEM14B	96.2469	88.6668	73.4388	96.3912	85.2127	90.8263	transmembrane protein 14B [Source:HGNC Symbol;Acc:HGNC:21	chr6:10747	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	81853	21384
TMEM14C	79.6746	77.8371	80.6467	83.9991	84.7729	79.8113	transmembrane protein 14C [Source:HGNC Symbol;Acc:HGNC:20	chr6:10723	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	51522	20952
TMEM150A	6.31367	5.77409	6.50509	3.30219	2.07087	2.79206	transmembrane protein 150A [Source:HGNC Symbol;Acc:HGNC:2	chr2:85825	NM_00103	XM_01153	.	.	NP_00102	XP_006711	protein_co	ENSG0000	129303	24677
TMEM150B	0	0	0	0	0	0	transmembrane protein 150B [Source:HGNC Symbol;Acc:HGNC:3	chr19:5582	NM_00108	XM_01152	.	.	NP_00107	XP_005258	protein_co	ENSG0000	284417	34415
TMEM150C	0.70402	0.636498	0.745856	2.36781	1.39689	2.17582	transmembrane protein 150C [Source:HGNC Symbol;Acc:HGNC:3	chr4:83404	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	441027	37263
TMEM151A	4.78848	6.32819	6.47307	4.06072	3.90849	3.09622	transmembrane protein 151A [Source:HGNC Symbol;Acc:HGNC:2	chr11:6605	NM_15326	.	.	.	NP_69499	.	protein_co	ENSG0000	256472	28497
TMEM151B	0	0	0.016163	0	0	0	transmembrane protein 151B [Source:HGNC Symbol;Acc:HGNC:2	chr6:44238	NM_00113	.	.	.	NP_00113	.	protein_co	ENSG0000	441151	21315
TMEM154	0.6344	0.368076	0.211595	0.799354	0.94342	1.30962	transmembrane protein 154 [Source:HGNC Symbol;Acc:HGNC:26	chr4:15353	NM_15268	XM_01153	.	.	NP_68989	XP_01153	protein_co	ENSG0000	201799	26489
TMEM155	0	0	0	0	0	0	transmembrane protein 155 [Source:HGNC Symbol;Acc:HGNC:26	chr4:12268	NM_00131	XM_01153	.	.	NP_00130	XP_005262	protein_co	ENSG0000	132332	26418
TMEM156	0.077672	0.041356	0.06803	0	0.086324	0.038199	transmembrane protein 156 [Source:HGNC Symbol;Acc:HGNC:26	chr4:38968	NM_00130	XM_01151	.	.	NP_00129	XP_005262	protein_co	ENSG0000	80008	26260
TMEM158	9.92929	7.18727	13.4892	19.1692	20.5453	22.2768	transmembrane protein 158 (gene/pseudogene) [Source:HGNC S	chr3:45265	NM_01544	.	.	.	NP_05625	.	protein_co	ENSG0000	25907	30293
TMEM159	19.7409	20.9461	24.6477	18.629	16.9268	15.6562	transmembrane protein 159 [Source:HGNC Symbol;Acc:HGNC:30	chr16:2094	NM_00130	XM_00672	.	.	NP_00128	XP_005255	protein_co	ENSG0000	57146	30136
TMEM160	45.2943	47.7973	41.3915	43.7575	26.9492	40.891	transmembrane protein 160 [Source:HGNC Symbol;Acc:HGNC:26	chr19:4754	NM_01785	.	.	.	NP_06032	.	protein_co	ENSG0000	54958	26042
TMEM161A	44.5048	44.7462	40.0393	44.2922	34.1867	32.8787	transmembrane protein 161A [Source:HGNC Symbol;Acc:HGNC:2	chr19:1922	NM_00125	XM_01702	.	.	NP_00124	XP_016882	protein_co	ENSG0000	54929	26020
TMEM161B	7.46726	7.73272	9.45622	7.16361	11.1734	10.1606	transmembrane protein 161B [Source:HGNC Symbol;Acc:HGNC:2	chr5:87485	NM_00128	XM_01154	.	.	NP_00127	XP_006714	protein_co	ENSG0000	153396	28483
TMEM163	0.151007	0.10325	0.043183	0.166746	0.171533	0.051981	transmembrane protein 163 [Source:HGNC Symbol;Acc:HGNC:25	chr2:13521	NM_03092	.	.	.	NP_11218	.	protein_co	ENSG0000	81615	25380
TMEM164	8.88471	9.9973	9.65132	8.2564	8.08578	9.01978	transmembrane protein 164 [Source:HGNC Symbol;Acc:HGNC:26	chrX:10924	NM_01769	XM_01702	.	.	NP_06016	XP_005262	protein_co	ENSG0000	84187	26217
TMEM165	40.6354	40.4691	35.4273	38.6474	34.9737	30.7463	transmembrane protein 165 [Source:HGNC Symbol;Acc:HGNC:30	chr4:56262	NM_01847	.	.	.	NP_06094	XP_011532	protein_co	ENSG0000	55858	30760
TMEM167A	30.1685	30.9385	29.6571	25.6788	32.2236	27.8407	transmembrane protein 167A [Source:HGNC Symbol;Acc:HGNC:2	chr5:82348	NM_17490	.	.	.	NP_77756	.	protein_co	ENSG0000	153339	28330
TMEM167B	8.9165	8.72333	9.5614	8.88582	10.6369	10.6622	transmembrane protein 167B [Source:HGNC Symbol;Acc:HGNC:3	chr1:10963	NM_02014	.	.	.	NP_06452	.	protein_co	ENSG0000	56900	30187
TMEM168	7.16468	7.44386	8.3594	5.44523	7.62545	7.66254	transmembrane protein 168 [Source:HGNC Symbol;Acc:HGNC:25	chr7:11240	NM_00128	XM_01151	.	.	NP_00127	XP_011514	protein_co	ENSG0000	64418	25826
TMEM169	0.106694	0.238144	0.350035	0.472999	0.355994	0.303108	transmembrane protein 169 [Source:HGNC Symbol;Acc:HGNC:25	chr2:21694	NM_00114	XM_01151	.	.	NP_00113	XP_006712	protein_co	ENSG0000	92691	25130
TMEM17	2.53234	2.29615	2.70625	1.64085	2.34906	3.56956	transmembrane protein 17 [Source:HGNC Symbol;Acc:HGNC:266	chr2:62727	NM_19827	.	.	.	NP_93801	.	protein_co	ENSG0000	200728	26623
TMEM170A	15.2231	16.4136	13.2416	12.6164	16.6156	16.1073	transmembrane protein 170A [Source:HGNC Symbol;Acc:HGNC:2	chr16:7532	NM_00130	XM_01702	.	.	NP_00129	XP_011521	protein_co	ENSG0000	124491	29577
TMEM170B	0.442192	0.368757	0.787098	0.307263	0.478806	0.811339	transmembrane protein 170B [Source:HGNC Symbol;Acc:HGNC:3	chr6:11538	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	100113407	34244

TMEM171	3.34578	3.23838	3.3956	4.05455	4.43694	3.93946	transmembrane protein 171 [Source:HGNC Symbol;Acc:HGNC:27	chr5:72416	NM_00116	XM_01154	.	.	NP_00115	XP_011541	protein_co	ENSG0000	134285	27031
TMEM173	14.0702	17.0329	14.1297	10.9483	9.54876	8.70798	transmembrane protein 173 [Source:HGNC Symbol;Acc:HGNC:27	chr5:13885	NM_19828	.	.	.	NP_93802	XP_011535	protein_co	ENSG0000	340061	27962
TMEM174	0	0	0	0	0	0	transmembrane protein 174 [Source:HGNC Symbol;Acc:HGNC:28	chr5:72469	NM_15321	.	.	.	NP_69494	.	protein_co	ENSG0000	134288	28187
TMEM175	6.89999	6.25919	7.49875	7.83329	6.47502	6.96583	transmembrane protein 175 [Source:HGNC Symbol;Acc:HGNC:28	chr4:92617	NM_00129	XM_01151	.	.	NP_00128	XP_005272	protein_co	ENSG0000	84286	28709
TMEM176A	0	0	0	0	0	0	transmembrane protein 176A [Source:HGNC Symbol;Acc:HGNC:2	chr7:15048	NM_01848	XM_01701	.	.	NP_06095	XP_011514	protein_co	ENSG0000	55365	24930
TMEM176B	0.13342	0.170036	0.215755	0.455411	0.506634	0.088042	transmembrane protein 176B [Source:HGNC Symbol;Acc:HGNC:2	chr7:15048	NM_00110	XM_00671	.	.	NP_00109	XP_006715	protein_co	ENSG0000	28959	29596
TMEM177	30.0938	28.4618	32.6676	39.5886	33.7851	22.606	transmembrane protein 177 [Source:HGNC Symbol;Acc:HGNC:28	chr2:12043	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	80775	28143
TMEM178A	0.675987	0.137856	0.738164	0.598079	0.231395	0.707581	transmembrane protein 178A [Source:HGNC Symbol;Acc:HGNC:2	chr2:39893	NM_15239	XM_00526	.	.	NP_68960	XP_005264	protein_co	ENSG0000	130733	28517
TMEM178B	0.007214	0	0	0.008081	0	0.007278	transmembrane protein 178B [Source:HGNC Symbol;Acc:HGNC:4	chr7:14077	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100507421	44112
TMEM179	0	0	0	0	0	0	transmembrane protein 179 [Source:HGNC Symbol;Acc:HGNC:20	chr14:1050	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	388021	20137
TMEM179B	61.0076	62.247	53.2362	53.1461	47.1242	37.4934	transmembrane protein 179B [Source:HGNC Symbol;Acc:HGNC:3	chr11:6255	NM_19933	XM_00527	NR_10680	.	NP_95536	XP_005274	protein_co	ENSG0000	102465448	33744
TMEM18	15.6637	18.3306	15.0039	19.1662	17.6244	17.415	transmembrane protein 18 [Source:HGNC Symbol;Acc:HGNC:252	chr2:66733	NM_15283	.	.	.	NP_69004	.	protein_co	ENSG0000	129787	25257
TMEM181	19.3235	19.8423	21.7707	17.4323	19.0611	21.155	transmembrane protein 181 [Source:HGNC Symbol;Acc:HGNC:20	chr6:15895	NM_02082	XM_01153	.	.	NP_06587	XP_005267	protein_co	ENSG0000	57583	20958
TMEM182	2.65199	2.41794	2.29175	2.94557	2.92748	3.47586	transmembrane protein 182 [Source:HGNC Symbol;Acc:HGNC:26	chr2:10335	NM_00132	XM_01151	.	.	NP_00130	XP_011508	protein_co	ENSG0000	130827	26391
TMEM183A	20.1714	23.3843	20.3118	26.8059	21.6349	23.8521	transmembrane protein 183A [Source:HGNC Symbol;Acc:HGNC:2	chr1:20297	NM_00132	XM_01151	.	.	NP_00107	.	protein_co	ENSG0000	653659	20173
TMEM184A	4.63943	4.62536	4.4401	3.19299	3.06402	3.87167	transmembrane protein 184A [Source:HGNC Symbol;Acc:HGNC:2	chr7:15703	NM_00109	XM_00671	.	.	NP_00109	XP_006715	protein_co	ENSG0000	202915	28797
TMEM184B	31.5019	32.6797	29.4124	29.1606	28.0532	26.8898	transmembrane protein 184B [Source:HGNC Symbol;Acc:HGNC:1	chr22:3861	NM_00119	XM_01702	.	.	NP_00118	XP_011528	protein_co	ENSG0000	25829	1310
TMEM184C	13.2794	15.8721	13.7716	14.0243	14.8234	13.8316	transmembrane protein 184C [Source:HGNC Symbol;Acc:HGNC:2	chr4:14853	NM_01824	.	.	.	NP_06071	.	protein_co	ENSG0000	55751	25587
TMEM185A	6.42775	4.95567	4.22321	5.83477	4.65359	3.27523	transmembrane protein 185A [Source:HGNC Symbol;Acc:HGNC:1	chrX:14867	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	84548	17125
TMEM185B	19.9237	20.3662	15.1743	17.8839	16.6374	13.9161	transmembrane protein 185B [Source:HGNC Symbol;Acc:HGNC:1	chr2:12097	NM_02412	.	.	.	NP_07702	.	protein_co	ENSG0000	79134	18896
TMEM186	18.5598	17.7744	18.7311	15.4376	13.8839	11.8487	transmembrane protein 186 [Source:HGNC Symbol;Acc:HGNC:24	chr16:8882	NM_01542	.	.	.	NP_05623	.	protein_co	ENSG0000	25880	24530
TMEM187	7.53386	7.31467	8.43738	10.6741	8.07088	7.36533	transmembrane protein 187 [Source:HGNC Symbol;Acc:HGNC:13	chrX:15323	NM_00349	XM_01153	.	.	NP_00348	XP_011529	protein_co	ENSG0000	8269	13705
TMEM189	20.5713	22.26	21.795	26.1576	22.1522	21.7711	transmembrane protein 189 [Source:HGNC Symbol;Acc:HGNC:16	chr20:4869	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	387521	16735
TMEM189-UBE2V1	0.021347	0.000109	0.346174	0.290619	3.9E-07	1.64E-08	TMEM189-UBE2V1 readthrough [Source:HGNC Symbol;Acc:HGN	chr20:4869	NM_19920	.	.	.	NP_95467	.	protein_co	ENSG0000	387522	33521
TMEM19	6.02133	5.3377	6.23848	7.99885	7.92513	6.5282	transmembrane protein 19 [Source:HGNC Symbol;Acc:HGNC:256	chr12:7207	NM_01827	.	.	.	NP_06074	.	protein_co	ENSG0000	55266	25605
TMEM190	0	0	0	0	0	0	transmembrane protein 190 [Source:HGNC Symbol;Acc:HGNC:29	chr19:5588	NM_13917	.	.	.	NP_63191	.	protein_co	ENSG0000	147744	29632
TMEM191B	0.854161	0.408565	0.477185	0.09881	0.223014	0.215112	transmembrane protein 191B [Source:HGNC Symbol;Acc:HGNC:3	chr22:2037	NM_00124	XM_01154	.	.	NP_00122	XP_011544	protein_co	ENSG0000	728229	33600
TMEM191C	0	0	0	0	0	0	transmembrane protein 191C [Source:HGNC Symbol;Acc:HGNC:3	chr22:2182	NM_00120	.	.	.	NP_00119	XP_003846	protein_co	ENSG0000	100996401	33601
TMEM192	7.44773	7.43083	8.42561	5.16898	7.16082	8.13148	transmembrane protein 192 [Source:HGNC Symbol;Acc:HGNC:26	chr4:16599	NM_00110	XM_01153	.	.	NP_00109	XP_011530	protein_co	ENSG0000	201931	26775
TMEM196	0	0	0	0	0	0	transmembrane protein 196 [Source:HGNC Symbol;Acc:HGNC:22	chr7:19758	NM_15277	XM_01151	.	.	NP_68998	XP_005249	protein_co	ENSG0000	256130	22431
TMEM198	1.86158	1.90313	1.21424	0.96918	0.818096	0.613106	transmembrane protein 198 [Source:HGNC Symbol;Acc:HGNC:33	chr2:22040	NM_00100	.	.	.	NP_00100	XP_016858	protein_co	ENSG0000	130612	33704
TMEM199	16.5725	13.0281	11.0279	13.9531	14.6105	7.90728	transmembrane protein 199 [Source:HGNC Symbol;Acc:HGNC:18	chr17:2668	NM_15246	.	NR_03987	.	NP_68967	.	protein_co	ENSG0000	100616388	18085
TMEM2	5.24999	4.94903	6.70736	6.92229	7.3992	8.29363	transmembrane protein 2 [Source:HGNC Symbol;Acc:HGNC:1186	chr9:74298	NM_00113	XM_00525	.	.	NP_00112	XP_005251	protein_co	ENSG0000	23670	11869
TMEM200A	17.2722	17.622	11.8782	35.751	41.1425	28.8604	transmembrane protein 200A [Source:HGNC Symbol;Acc:HGNC:2	chr6:13068	NM_00125	XM_01153	.	.	NP_00124	XP_005266	protein_co	ENSG0000	114801	21075
TMEM200B	10.6361	8.71288	8.09016	9.87151	10.5563	8.543	transmembrane protein 200B [Source:HGNC Symbol;Acc:HGNC:3	chr1:29213	NM_00100	XM_01154	.	.	NP_00100	XP_011539	protein_co	ENSG0000	399474	33785
TMEM200C	0	0	0	0	0	0	transmembrane protein 200C [Source:HGNC Symbol;Acc:HGNC:3	chr18:5882	NM_00108	XM_01152	.	.	NP_00107	XP_005258	protein_co	ENSG0000	645369	37208
TMEM201	14.244	13.1834	11.1299	14.0053	12.9678	7.94161	transmembrane protein 201 [Source:HGNC Symbol;Acc:HGNC:33	chr1:96489	NM_00101	XM_01154	.	.	NP_00101	XP_006710	protein_co	ENSG0000	199953	33719
TMEM202	0	0	0	0	0	0	transmembrane protein 202 [Source:HGNC Symbol;Acc:HGNC:33	chr15:7269	NM_00108	XM_01152	.	.	NP_00107	XP_011519	protein_co	ENSG0000	338949	33733
TMEM203	48.3576	49.1117	43.8713	50.4176	47.9413	39.4637	transmembrane protein 203 [Source:HGNC Symbol;Acc:HGNC:28	chr9:14009	NM_05304	.	.	.	NP_44427	.	protein_co	ENSG0000	94107	28217
TMEM204	0.060595	0	0.051324	0	0.070661	0	transmembrane protein 204 [Source:HGNC Symbol;Acc:HGNC:14	chr16:1543	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	79652	14158
TMEM205	65.5726	63.963	55.3219	54.2287	48.0564	36.0492	transmembrane protein 205 [Source:HGNC Symbol;Acc:HGNC:29	chr19:1140	NM_00114	XM_00525	.	.	NP_00113	XP_005259	protein_co	ENSG0000	374882	29631
TMEM206	15.7606	13.5967	14.8738	14.5554	15.1987	14.2654	transmembrane protein 206 [Source:HGNC Symbol;Acc:HGNC:25	chr1:21253	NM_00119	XM_01150	.	.	NP_00118	XP_011508	protein_co	ENSG0000	55248	25593
TMEM207	0	0	0	0	0	0	transmembrane protein 207 [Source:HGNC Symbol;Acc:HGNC:33	chr3:19014	NM_20731	.	.	.	NP_99719	.	protein_co	ENSG0000	131920	33705
TMEM208	72.7389	67.5762	43.1427	75.7873	57.0643	42.1064	transmembrane protein 208 [Source:HGNC Symbol;Acc:HGNC:25	chr16:6726	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	29100	25015
TMEM209	14.643	14.7231	13.346	11.808	10.6642	13.6016	transmembrane protein 209 [Source:HGNC Symbol;Acc:HGNC:21	chr7:12980	NM_00130	XM_01151	.	.	NP_00128	XP_005250	protein_co	ENSG0000	84928	21898
TMEM210	0	0	0	0	0	0.118452	transmembrane protein 210 [Source:HGNC Symbol;Acc:HGNC:34	chr9:14003	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	100505993	34059
TMEM211	0	0	0	0	0	0	transmembrane protein 211 [Source:HGNC Symbol;Acc:HGNC:33	chr22:2533	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	255349	33725
TMEM212	0.032786	0	0	0.037327	0	0	transmembrane protein 212 [Source:HGNC Symbol;Acc:HGNC:34	chr3:17156	NM_00116	XM_01151	.	.	NP_00115	XP_011511	protein_co	ENSG0000	389177	34295
TMEM213	0	0	0	0	0	0	transmembrane protein 213 [Source:HGNC Symbol;Acc:HGNC:27	chr7:13839	NM_00108	XM_00525	.	.	NP_00107	XP_005250	protein_co	ENSG0000	155006	27220
TMEM214	31.6084	32.0982	25.1044	26.1687	22.4328	21.0886	transmembrane protein 214 [Source:HGNC Symbol;Acc:HGNC:25	chr2:27255	NM_00108	XM_00526	.	.	NP_00107	XP_005264	protein_co	ENSG0000	54867	25983
TMEM215	0	0	0	0	0	0	transmembrane protein 215 [Source:HGNC Symbol;Acc:HGNC:33	chr9:32783	NM_21255	.	.	.	NP_99772	.	protein_co	ENSG0000	401498	33816
TMEM216	23.1914	23.4376	19.4246	25.5733	25.1967	21.1615	transmembrane protein 216 [Source:HGNC Symbol;Acc:HGNC:25	chr11:6115	NM_00117	XM_01701	.	.	NP_00116	XP_005274	protein_co	ENSG0000	51259	25018
TMEM217	0.394899	0.052287	0.129567	0.167013	0.168117	0.251371	transmembrane protein 217 [Source:HGNC Symbol;Acc:HGNC:21	chr6:37179	NM_00128	XM_01151	.	.	NP_00115	XP_011512	protein_co	ENSG0000	221468	21238
TMEM218	20.2778	20.8141	15.7705	20.5852	18.9981	17.7343	transmembrane protein 218 [Source:HGNC Symbol;Acc:HGNC:27	chr11:1249	NM_00108	XM_01154	.	.	NP_00107	XP_006718	protein_co	ENSG0000	219854	27344
TMEM219	37.2329	35.8252	37.4369	39.2043	31.8062	35.4489	transmembrane protein 219 [Source:HGNC Symbol;Acc:HGNC:25	chr16:2995	NM_00108	XM_00525	.	.	NP_00107	XP_005255	protein_co	ENSG0000	124446	25201
TMEM220	0	0.032182	0	0	0	0	transmembrane protein 220 [Source:HGNC Symbol;Acc:HGNC:33	chr17:1061	NM_00100	XM_01152	.	.	NP_00100	XP_005256	protein_co	ENSG0000	388335	33757
TMEM221	2.37378	2.48346	2.51981	3.52122	2.34778	2.53086	transmembrane protein 221 [Source:HGNC Symbol;Acc:HGNC:21	chr19:1754	NM_00119	XM_01152	.	.	NP_00117	XP_011525	protein_co	ENSG0000	100130519	21943
TMEM222	24.9255	25.3883	19.8321	29.1047	22.1832	17.0618	transmembrane protein 222 [Source:HGNC Symbol;Acc:HGNC:25	chr1:27648	NM_03212	.	.	.	NP_11550	.	protein_co	ENSG0000	84065	25363
TMEM223	17.9507	19.6649	15.8826	19.0093	16.7612	15.209	transmembrane protein 223 [Source:HGNC Symbol;Acc:HGNC:28	chr11:6255	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	79064	28464

TMEM225	0	0	0	0	0	0	transmembrane protein 225 [Source:HGNC Symbol;Acc:HGNC:32	chr11:1237	NM_00101	XM_00671	.	.	NP_00101	XP_006718	protein_co	ENSG0000	338661	32390
TMEM229A	0	0	0.047807	0	0	0	transmembrane protein 229A [Source:HGNC Symbol;Acc:HGNC:3	chr7:12367	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	730130	37279
TMEM229B	0.619998	0.921243	1.33541	0.652251	0.590036	0.529211	transmembrane protein 229B [Source:HGNC Symbol;Acc:HGNC:2	chr14:6793	NM_18252	XM_01702	.	.	NP_87233	XP_005267	protein_co	ENSG0000	161145	20130
TMEM230	77.5993	73.8788	85.4903	60.0362	63.3404	64.5271	transmembrane protein 230 [Source:HGNC Symbol;Acc:HGNC:15	chr20:5048	NM_00100	XM_01702	.	.	NP_00100	XP_005260	protein_co	ENSG0000	29058	15876
TMEM231	6.69303	5.10008	4.78827	4.12227	4.67943	3.53946	transmembrane protein 231 [Source:HGNC Symbol;Acc:HGNC:37	chr16:7557	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	79583	37234
TMEM232	0.094438	0.034407	0.082523	0	0.034333	0.029776	transmembrane protein 232 [Source:HGNC Symbol;Acc:HGNC:37	chr5:10975	NM_00103	XM_01154	.	.	NP_00103	XP_006714	protein_co	ENSG0000	642987	37270
TMEM233	0	0	0	0	0	0	transmembrane protein 233 [Source:HGNC Symbol;Acc:HGNC:37	chr12:1200	NM_00113	.	.	.	NP_00113	XP_011536	protein_co	ENSG0000	387890	37219
TMEM234	3.76888	5.69346	5.00133	3.10684	3.56987	2.48493	transmembrane protein 234 [Source:HGNC Symbol;Acc:HGNC:28	chr1:32681	NM_01911	XM_01700	.	.	NP_06199	XP_005271	protein_co	ENSG0000	56063	28837
TMEM235	0	0	0	0	0	0	transmembrane protein 235 [Source:HGNC Symbol;Acc:HGNC:27	chr17:7622	NM_00120	XM_01152	.	.	NP_00119	XP_011522	protein_co	ENSG0000	283999	27563
TMEM236	0	0.018955	0.015235	0.080732	0.077599	0.051328	transmembrane protein 236 [Source:HGNC Symbol;Acc:HGNC:23	chr10:1779	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	653567	23473
TMEM237	18.1922	15.8422	14.0024	22.5856	23.8264	20.2309	transmembrane protein 237 [Source:HGNC Symbol;Acc:HGNC:14	chr2:20248	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	65062	14432
TMEM238	6.88848	5.64424	6.85271	6.45526	2.60446	5.06622	transmembrane protein 238 [Source:HGNC Symbol;Acc:HGNC:40	chr19:5589	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	388564	40042
TMEM239	0.01976	1.83E-07	0	3.34E-15	0	0	transmembrane protein 239 [Source:HGNC Symbol;Acc:HGNC:40	chr20:2795	NM_00116	XM_01152	.	.	NP_00116	XP_005260	protein_co	ENSG0000	100288797	40044
TMEM240	0.843793	0.550676	1.56688	0.901536	0.680191	1.11185	transmembrane protein 240 [Source:HGNC Symbol;Acc:HGNC:25	chr1:14705	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	339453	25186
TMEM241	9.07254	8.2626	8.999	9.89974	9.56766	10.8392	transmembrane protein 241 [Source:HGNC Symbol;Acc:HGNC:31	chr18:2087	NM_03293	XM_01152	.	.	NP_11632	XP_006722	protein_co	ENSG0000	85019	31723
TMEM242	6.4768	7.67215	7.94214	9.2504	7.48163	6.35817	transmembrane protein 242 [Source:HGNC Symbol;Acc:HGNC:17	chr6:15771	NM_01845	.	.	.	NP_06092	.	protein_co	ENSG0000	729515	17206
TMEM243	11.7705	10.9602	12.2543	10.1779	9.62026	9.28359	transmembrane protein 243 [Source:HGNC Symbol;Acc:HGNC:21	chr7:86781	NM_00132	XM_00525	.	.	NP_00131	XP_005250	protein_co	ENSG0000	79161	21707
TMEM244	0	0	0	0	0.241996	0	transmembrane protein 244 [Source:HGNC Symbol;Acc:HGNC:21	chr6:13015	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	253582	21571
TMEM245	12.5571	13.1714	12.4963	13.0297	15.167	17.7006	transmembrane protein 245 [Source:HGNC Symbol;Acc:HGNC:13	chr9:11177	NM_03201	XM_01151	.	.	NP_11440	XP_011516	protein_co	ENSG0000	23731	1363
TMEM246	10.6249	11.3263	9.26422	10.9726	11.6091	10.3801	transmembrane protein 246 [Source:HGNC Symbol;Acc:HGNC:28	chr9:10423	NM_00130	.	.	.	NP_00129	XP_016870	protein_co	ENSG0000	84302	28180
TMEM247	0	0	0	0	0	0	transmembrane protein 247 [Source:HGNC Symbol;Acc:HGNC:42	chr2:46706	NM_00114	XM_01153	NR_10380	.	NP_00113	.	protein_co	ENSG0000	101805491	42967
TMEM248	24.5169	26.3615	24.3271	25.3651	23.9602	20.4242	transmembrane protein 248 [Source:HGNC Symbol;Acc:HGNC:25	chr7:66386	NM_01799	XM_00525	.	.	NP_06046	XP_005250	protein_co	ENSG0000	55069	25476
TMEM249	3.66825	2.70117	4.56691	2.70526	3.06506	2.39376	transmembrane protein 249 [Source:HGNC Symbol;Acc:HGNC:44	chr8:14557	NM_00125	.	.	.	NP_00123	.	protein_co	ENSG0000	340393	44155
TMEM25	11.0394	10.8933	12.1414	9.51466	7.67688	7.3369	transmembrane protein 25 [Source:HGNC Symbol;Acc:HGNC:258	chr11:1183	NM_00114	XM_01701	.	.	NP_00113	XP_005271	protein_co	ENSG0000	84866	25890
TMEM251	16.6792	13.0579	14.9908	17.496	21.5447	18.7094	transmembrane protein 251 [Source:HGNC Symbol;Acc:HGNC:20	chr14:9365	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	26175	20218
TMEM252	0	0	0	0	0	0	transmembrane protein 252 [Source:HGNC Symbol;Acc:HGNC:28	chr9:71151	NM_15323	XM_01151	.	.	NP_69496	XP_011516	protein_co	ENSG0000	169693	28537
TMEM253	0.143225	0.436752	0.369609	0.155716	0.257771	0.076131	transmembrane protein 253 [Source:HGNC Symbol;Acc:HGNC:32	chr14:2148	NM_00114	XM_01153	.	.	NP_00114	XP_006720	protein_co	ENSG0000	643382	32545
TMEM254	13.3845	9.95746	7.87621	7.64193	8.52134	9.95576	transmembrane protein 254 [Source:HGNC Symbol;Acc:HGNC:25	chr10:8183	NM_00127	.	NR_07298	.	NP_00125	.	protein_co	ENSG0000	80195	25804
TMEM255A	0	0	0	0	0	0	transmembrane protein 255A [Source:HGNC Symbol;Acc:HGNC:2	chrX:11939	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	55026	26086
TMEM255B	1.97545	1.92708	3.41294	3.24864	3.50396	2.58521	transmembrane protein 255B [Source:HGNC Symbol;Acc:HGNC:2	chr13:1144	NM_18261	XM_00527	.	.	NP_87242	XP_005272	protein_co	ENSG0000	348013	28297
TMEM256	135.202	115.162	170.683	115.578	83.2591	119.351	transmembrane protein 256 [Source:HGNC Symbol;Acc:HGNC:28	chr17:7306	NM_15276	.	.	.	NP_68997	.	protein_co	ENSG0000	254863	28618
TMEM256-PLSCR3	25.4327	24.0595	24.5125	20.5346	19.668	14.5036	TMEM256-PLSCR3 readthrough (NMD candidate) [Source:HGNC S	chr17:7283	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	57048	49186
TMEM257	0	0	0	0	0	0	transmembrane protein 257 [Source:HGNC Symbol;Acc:HGNC:25	chrX:14490	NM_00470	.	.	.	NP_00470	.	protein_co	ENSG0000	9142	2562
TMEM258	243.549	224.852	212.671	272.578	200.095	197.862	transmembrane protein 258 [Source:HGNC Symbol;Acc:HGNC:11	chr11:6155	NM_01420	.	NR_03034	.	NP_05502	.	protein_co	ENSG0000	693196	1164
TMEM259	78.951	77.6787	79.4986	76.0126	65.6662	60.7682	transmembrane protein 259 [Source:HGNC Symbol;Acc:HGNC:17	chr19:1000	NM_00103	XM_00525	.	.	NP_00102	XP_005259	protein_co	ENSG0000	91304	17039
TMEM26	0	0	0	0	0	0	transmembrane protein 26 [Source:HGNC Symbol;Acc:HGNC:285	chr10:6316	NM_17850	.	.	.	NP_84860	XP_011537	protein_co	ENSG0000	219623	28550
TMEM260	5.3449	5.41761	5.19345	4.99098	5.57834	5.40146	transmembrane protein 260 [Source:HGNC Symbol;Acc:HGNC:20	chr14:5704	NM_01779	XM_01153	.	.	NP_06026	XP_006720	protein_co	ENSG0000	54916	20185
TMEM261	16.8104	17.1787	15.3995	16.7453	13.3228	12.4342	transmembrane protein 261 [Source:HGNC Symbol;Acc:HGNC:30	chr9:77964	NM_00131	XM_01151	.	.	NP_00130	.	protein_co	ENSG0000	90871	30536
TMEM262	0	0	0	0	0	0	transmembrane protein 262 [Source:HGNC Symbol;Acc:HGNC:49	chr11:6485	NM_00124	XM_01154	.	.	NP_00122	.	protein_co	ENSG0000	100130348	49389
TMEM263	16.6696	18.8977	18.0591	15.2126	16.1407	16.2249	transmembrane protein 263 [Source:HGNC Symbol;Acc:HGNC:28	chr12:1073	NM_00131	XM_01702	.	.	NP_00130	XP_011537	protein_co	ENSG0000	90488	28281
TMEM265	23.8128	22.199	14.9669	15.4031	11.8575	10.7517	transmembrane protein 265 [Source:HGNC Symbol;Acc:HGNC:51	chr16:3071	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	100862671	51241
TMEM266	0.31527	0.500611	0.596331	0.610713	0.401029	0.412787	transmembrane protein 266 [Source:HGNC Symbol;Acc:HGNC:26	chr15:7635	NM_15233	XM_01702	.	.	NP_68954	XP_005254	protein_co	ENSG0000	123591	26763
TMEM267	7.82387	8.67994	8.83261	6.23638	7.81768	9.77484	transmembrane protein 267 [Source:HGNC Symbol;Acc:HGNC:26	chr5:43444	NM_02248	XM_01151	.	.	NP_07192	XP_005248	protein_co	ENSG0000	64417	26139
TMEM27	0.277456	0.17935	0.338615	0	0.122773	0.214718	transmembrane protein 27 [Source:HGNC Symbol;Acc:HGNC:294	chrX:15645	NM_02066	.	.	.	NP_06571	.	protein_co	ENSG0000	57393	29437
TMEM30A	34.1572	34.2951	36.2508	28.8206	38.3702	41.069	transmembrane protein 30A [Source:HGNC Symbol;Acc:HGNC:16	chr6:75962	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	55754	16667
TMEM30B	0	0	0	0	0	0	transmembrane protein 30B [Source:HGNC Symbol;Acc:HGNC:27	chr14:6174	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	161291	27254
TMEM31	0.097663	0.101678	0.17172	0	0.109961	0	transmembrane protein 31 [Source:HGNC Symbol;Acc:HGNC:286	chrX:10296	NM_18254	.	.	.	NP_87234	.	protein_co	ENSG0000	203562	28601
TMEM33	34.9192	33.9091	34.0924	35.3951	44.1739	35.4191	transmembrane protein 33 [Source:HGNC Symbol;Acc:HGNC:255	chr4:41937	NM_01812	XM_00524	.	.	NP_06059	XP_005248	protein_co	ENSG0000	55161	25541
TMEM35A	0	0	0	0	0	0	transmembrane protein 35A [Source:HGNC Symbol;Acc:HGNC:25	chrX:10033	NM_02163	.	.	.	NP_06765	.	protein_co	ENSG0000	59353	25864
TMEM35B	18.4006	14.0876	13.4004	17.4175	13.9624	11.5536	transmembrane protein 35B [Source:HGNC Symbol;Acc:HGNC:40	chr1:35447	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100506144	40021
TMEM37	2.61322	2.12571	2.98272	2.89325	3.01432	3.14889	transmembrane protein 37 [Source:HGNC Symbol;Acc:HGNC:182	chr2:12018	NM_18324	XM_01151	.	.	NP_89906	XP_006712	protein_co	ENSG0000	140738	18216
TMEM38A	6.24044	5.91275	7.18303	9.88174	8.74238	8.52956	transmembrane protein 38A [Source:HGNC Symbol;Acc:HGNC:28	chr19:1677	NM_02407	.	.	.	NP_07697	.	protein_co	ENSG0000	79041	28462
TMEM38B	7.99361	7.28835	7.93373	9.002	7.58873	9.22053	transmembrane protein 38B [Source:HGNC Symbol;Acc:HGNC:25	chr9:10845	NM_01811	XM_01151	.	.	NP_06058	XP_005252	protein_co	ENSG0000	55151	25535
TMEM39A	9.63695	9.77335	8.98242	10.1036	10.1648	10.8779	transmembrane protein 39A [Source:HGNC Symbol;Acc:HGNC:25	chr3:11914	NM_01826	XM_00671	.	.	NP_06073	XP_005247	protein_co	ENSG0000	55254	25600
TMEM39B	10.1178	10.5591	10.5377	9.65067	8.21838	9.89148	transmembrane protein 39B [Source:HGNC Symbol;Acc:HGNC:25	chr1:32538	NM_00131	XM_01154	.	.	NP_00130	XP_011539	protein_co	ENSG0000	55116	25510
TMEM40	4.5863	5.29217	3.81761	4.11573	3.4511	3.03858	transmembrane protein 40 [Source:HGNC Symbol;Acc:HGNC:256	chr3:12775	NM_00128	XM_01153	.	.	NP_00127	XP_006713	protein_co	ENSG0000	55287	25620
TMEM41A	14.8568	15.046	13.3157	14.8114	16.9304	14.0963	transmembrane protein 41A [Source:HGNC Symbol;Acc:HGNC:30	chr3:18520	NM_08065	.	.	.	NP_54238	.	protein_co	ENSG0000	90407	30544
TMEM41B	17.9335	21.2157	19.6225	19.968	19.6129	25.3554	transmembrane protein 41B [Source:HGNC Symbol;Acc:HGNC:28	chr11:9302	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	440026	28948
TMEM42	10.633	10.733	9.45192	7.55013	6.9277	9.90546	transmembrane protein 42 [Source:HGNC Symbol;Acc:HGNC:284	chr3:44903	NM_14463	.	NR_03029	.	NP_65323	.	protein_co	ENSG0000	693149	28444

TMEM43	25.9622	25.9693	20.4866	21.94	21.5759	21.2552	transmembrane protein 43 [Source:HGNC Symbol;Acc:HGNC:284	chr3:14166	NM_02433	XM_01153	.	.	NP_07731	XP_016862	protein_co	ENSG0000	79188	28472
TMEM44	8.81229	9.10098	10.7622	7.3291	7.85883	7.95965	transmembrane protein 44 [Source:HGNC Symbol;Acc:HGNC:251	chr3:19430	NM_00101	XM_01151	.	.	NP_00101	XP_005269	protein_co	ENSG0000	93109	25120
TMEM45A	5.49569	6.16331	6.07875	5.05129	5.36829	6.2944	transmembrane protein 45A [Source:HGNC Symbol;Acc:HGNC:25	chr3:10021	NM_01800	XM_00524	.	.	NP_06047	XP_005247	protein_co	ENSG0000	55076	25480
TMEM45B	0.051438	0	0.033358	0	0	0	transmembrane protein 45B [Source:HGNC Symbol;Acc:HGNC:25	chr11:1296	NM_13878	XM_01154	.	.	NP_62014	XP_005271	protein_co	ENSG0000	120224	25194
TMEM47	0	0	0	0	0	0	transmembrane protein 47 [Source:HGNC Symbol;Acc:HGNC:185	chrX:34645	NM_03144	.	.	.	NP_11363	.	protein_co	ENSG0000	83604	18515
TMEM5	18.478	16.5593	15.0819	19.945	19.3779	16.1568	transmembrane protein 5 [Source:HGNC Symbol;Acc:HGNC:1353	chr12:6417	NM_00127	XM_00526	.	.	NP_00126	XP_005268	protein_co	ENSG0000	10329	13530
TMEM50A	33.3403	27.798	28.2791	27.0512	27.8908	29.3313	transmembrane protein 50A [Source:HGNC Symbol;Acc:HGNC:30	chr1:25664	NM_01431	XM_01154	.	.	NP_05512	XP_005245	protein_co	ENSG0000	23585	30590
TMEM50B	27.7287	28.4869	15.4483	25.4392	25.6308	24.7428	transmembrane protein 50B [Source:HGNC Symbol;Acc:HGNC:12	chr21:3482	NM_00613	XM_01152	.	.	NP_00612	XP_011528	protein_co	ENSG0000	757	1280
TMEM51	12.3084	12.533	11.8021	11.8644	11.2611	10.3258	transmembrane protein 51 [Source:HGNC Symbol;Acc:HGNC:254	chr1:15479	NM_00113	XM_01154	.	.	NP_00112	XP_005245	protein_co	ENSG0000	55092	25488
TMEM52	18.0768	16.6158	14.7616	19.5186	13.7006	10.0867	transmembrane protein 52 [Source:HGNC Symbol;Acc:HGNC:279	chr1:18490	NM_17854	XM_01154	.	.	NP_84864	.	protein_co	ENSG0000	339456	27916
TMEM52B	0.031252	0	0	0	0	0	transmembrane protein 52B [Source:HGNC Symbol;Acc:HGNC:26	chr12:1031	NM_00107	XM_00671	.	.	NP_00107	XP_006719	protein_co	ENSG0000	120939	26438
TMEM53	5.10142	5.44151	6.2827	5.69216	4.82513	6.59428	transmembrane protein 53 [Source:HGNC Symbol;Acc:HGNC:261	chr1:44870	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	79639	26186
TMEM54	61.9429	63.278	62.8577	89.4107	63.6637	70.5264	transmembrane protein 54 [Source:HGNC Symbol;Acc:HGNC:241	chr1:33352	NM_03350	XM_00527	.	.	NP_27703	XP_005270	protein_co	ENSG0000	113452	24143
TMEM55A	4.61159	4.85613	4.51989	7.18251	5.31873	6.70486	transmembrane protein 55A [Source:HGNC Symbol;Acc:HGNC:25	chr8:92006	NM_01871	.	.	.	NP_06118	.	protein_co	ENSG0000	55529	25452
TMEM55B	30.8365	27.3172	22.7021	29.7221	28.1224	28.2594	transmembrane protein 55B [Source:HGNC Symbol;Acc:HGNC:19	chr14:2092	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	90809	19299
TMEM56	3.07141	4.3186	3.72883	2.99684	4.13133	4.74767	transmembrane protein 56 [Source:HGNC Symbol;Acc:HGNC:264	chr1:95582	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	148534	26477
TMEM56-RWDD3	1.7668	1.37549	1.41494	2.34232	1.33802	1.9166	TMEM56-RWDD3 readthrough [Source:HGNC Symbol;Acc:HGNC:	chr1:95582	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100527978	49388
TMEM57	5.59604	5.30727	4.75579	5.68707	4.58876	5.68675	transmembrane protein 57 [Source:HGNC Symbol;Acc:HGNC:255	chr1:25757	NM_00128	XM_01154	.	.	NP_00126	XP_005245	protein_co	ENSG0000	55219	25572
TMEM59	67.0152	65.6581	69.8602	59.4722	61.6088	78.1271	transmembrane protein 59 [Source:HGNC Symbol;Acc:HGNC:123	chr1:54492	NM_00130	XM_00671	.	.	NP_00129	XP_006711	protein_co	ENSG0000	9528	1239
TMEM59L	10.912	9.44499	17.0052	7.30258	7.09246	7.81622	transmembrane protein 59 like [Source:HGNC Symbol;Acc:HGNC:	chr19:1871	NM_01210	XM_00672	.	.	NP_03624	XP_006722	protein_co	ENSG0000	25789	13237
TMEM60	11.6152	9.14248	14.4583	10.9177	16.9427	20.6542	transmembrane protein 60 [Source:HGNC Symbol;Acc:HGNC:217	chr7:77423	NM_03293	.	.	.	NP_11632	.	protein_co	ENSG0000	85025	21754
TMEM61	1.3921	3.51904	2.37966	1.57476	1.62584	2.09125	transmembrane protein 61 [Source:HGNC Symbol;Acc:HGNC:272	chr1:55446	NM_18253	XM_01154	.	.	NP_87233	XP_005270	protein_co	ENSG0000	199964	27296
TMEM62	5.31987	5.6079	3.89258	5.41301	5.36715	4.29199	transmembrane protein 62 [Source:HGNC Symbol;Acc:HGNC:262	chr15:4342	NM_02495	XM_01702	.	.	NP_07923	XP_005254	protein_co	ENSG0000	80021	26269
TMEM63A	5.30604	4.08051	5.03321	2.91204	2.48083	2.80574	transmembrane protein 63A [Source:HGNC Symbol;Acc:HGNC:29	chr1:22599	NM_01469	XM_01154	.	.	NP_05551	XP_006711	protein_co	ENSG0000	9725	29118
TMEM63B	19.3595	20.0392	23.1537	20.2091	18.5605	18.1059	transmembrane protein 63B [Source:HGNC Symbol;Acc:HGNC:17	chr6:44081	NM_00131	XM_01701	.	.	NP_00130	XP_005249	protein_co	ENSG0000	55362	17735
TMEM63C	1.95195	1.76467	2.5933	1.89809	2.27598	2.13824	transmembrane protein 63C [Source:HGNC Symbol;Acc:HGNC:23	chr14:7764	NM_02043	.	.	.	NP_06516	.	protein_co	ENSG0000	57156	23787
TMEM64	17.406	19.6437	19.7574	20.0665	20.0708	16.9303	transmembrane protein 64 [Source:HGNC Symbol;Acc:HGNC:254	chr8:91634	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	169200	25441
TMEM65	2.35231	2.74824	2.2696	2.43925	2.46505	3.2029	transmembrane protein 65 [Source:HGNC Symbol;Acc:HGNC:252	chr8:12531	NM_19429	XM_01151	.	.	NP_91926	XP_011515	protein_co	ENSG0000	157378	25203
TMEM67	5.22511	5.39507	6.89393	3.75421	4.93466	7.60005	transmembrane protein 67 [Source:HGNC Symbol;Acc:HGNC:283	chr8:94767	NM_00114	XM_00671	.	.	NP_00113	XP_006716	protein_co	ENSG0000	91147	28396
TMEM68	12.0121	11.8822	14.269	13.2029	13.6174	13.868	transmembrane protein 68 [Source:HGNC Symbol;Acc:HGNC:265	chr8:56651	NM_00128	XM_01151	.	.	NP_00127	XP_005251	protein_co	ENSG0000	137695	26510
TMEM69	18.97	19.3527	23.0262	18.064	21.5867	17.7136	transmembrane protein 69 [Source:HGNC Symbol;Acc:HGNC:280	chr1:46152	NM_01648	.	.	.	NP_05757	.	protein_co	ENSG0000	51249	28035
TMEM70	33.6261	38.4716	35.8924	45.5659	41.4807	31.5647	transmembrane protein 70 [Source:HGNC Symbol;Acc:HGNC:260	chr8:74888	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	54968	26050
TMEM71	0.044419	0	0	0	0	0.04532	transmembrane protein 71 [Source:HGNC Symbol;Acc:HGNC:265	chr8:13372	NM_00114	XM_01151	.	.	NP_00113	.	protein_co	ENSG0000	137835	26572
TMEM72	0	0	0	0	0	0	transmembrane protein 72 [Source:HGNC Symbol;Acc:HGNC:316	chr10:4540	NM_00112	XM_01154	.	.	NP_00111	XP_011538	protein_co	ENSG0000	643236	31658
TMEM74	0.437799	0.352439	0.294273	0.216565	0.054733	0.099179	transmembrane protein 74 [Source:HGNC Symbol;Acc:HGNC:264	chr8:10979	NM_15301	.	NR_13641	.	NP_69456	.	protein_co	ENSG0000	157753	26409
TMEM74B	6.24016	5.68887	10.2758	6.38954	5.96052	5.59559	transmembrane protein 74B [Source:HGNC Symbol;Acc:HGNC:15	chr20:1161	NM_00130	XM_01152	.	.	NP_00129	XP_011527	protein_co	ENSG0000	55321	15893
TMEM75	0	0	0	0	0	0	transmembrane protein 75 [Source:HGNC Symbol;Acc:HGNC:322	chr8:12895	.	.	NR_10355	.	.	.	TEC	ENSG0000	641384	32295
TMEM78	0	0	0	0	0	0	transmembrane protein 78 [Source:HGNC Symbol;Acc:HGNC:323	chr1:22938	.	.	.	.	.	.	protein_co	ENSG0000	.	32307
TMEM79	5.9587	3.97518	2.74378	4.45037	3.11375	3.30519	transmembrane protein 79 [Source:HGNC Symbol;Acc:HGNC:281	chr1:15625	NM_03232	.	.	.	NP_11569	.	protein_co	ENSG0000	84283	28196
TMEM80	8.23487	5.85867	4.7874	4.54754	3.83408	2.62771	transmembrane protein 80 [Source:HGNC Symbol;Acc:HGNC:274	chr11:6442	NM_00104	XM_00671	.	.	NP_00103	XP_006718	protein_co	ENSG0000	283232	27453
TMEM81	2.61281	4.05416	3.20097	5.14921	3.50299	4.48398	transmembrane protein 81 [Source:HGNC Symbol;Acc:HGNC:323	chr1:20505	NM_20337	.	.	.	NP_97631	.	protein_co	ENSG0000	388730	32349
TMEM82	0	0	0.062997	0	0	0	transmembrane protein 82 [Source:HGNC Symbol;Acc:HGNC:323	chr1:16068	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	388595	32350
TMEM86A	0.566191	0.644592	1.05111	0.436428	0.476619	0.856256	transmembrane protein 86A [Source:HGNC Symbol;Acc:HGNC:26	chr11:1872	NM_15334	.	.	.	NP_69917	.	protein_co	ENSG0000	144110	26890
TMEM86B	4.42837	4.48183	4.48392	5.83694	5.73679	5.01543	transmembrane protein 86B [Source:HGNC Symbol;Acc:HGNC:28	chr19:5573	NM_17380	.	.	.	NP_77616	XP_016882	protein_co	ENSG0000	255043	28448
TMEM87A	21.5817	20.4273	16.9267	19.9031	20.9111	22.5882	transmembrane protein 87A [Source:HGNC Symbol;Acc:HGNC:24	chr15:4250	NM_00111	XM_01152	.	.	NP_00110	XP_005254	protein_co	ENSG0000	25963	24522
TMEM87B	6.30619	5.85888	6.27375	4.71912	5.53229	6.02228	transmembrane protein 87B [Source:HGNC Symbol;Acc:HGNC:25	chr2:11281	NM_03282	XM_00671	.	.	NP_11621	XP_005263	protein_co	ENSG0000	84910	25913
TMEM88	0.239062	1.19423	0.357282	1.35462	0.844681	0.477193	transmembrane protein 88 [Source:HGNC Symbol;Acc:HGNC:323	chr17:7758	NM_00131	XM_00525	.	.	NP_00130	XP_005256	protein_co	ENSG0000	92162	32371
TMEM88B	0	0	0	0	0	0	transmembrane protein 88B [Source:HGNC Symbol;Acc:HGNC:37	chr1:13615	NM_00114	.	.	.	NP_00114	.	protein_co	ENSG0000	643965	37099
TMEM89	0	0.158479	0	0	0	0.179009	transmembrane protein 89 [Source:HGNC Symbol;Acc:HGNC:323	chr3:48658	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	440955	32372
TMEM8A	19.3556	20.907	18.6589	23.4731	21.6591	21.113	transmembrane protein 8A [Source:HGNC Symbol;Acc:HGNC:172	chr16:4207	NM_02125	.	.	.	NP_06708	.	protein_co	ENSG0000	58986	17205
TMEM8B	1.80627	2.09956	3.362	1.77586	1.5484	1.75258	transmembrane protein 8B [Source:HGNC Symbol;Acc:HGNC:214	chr9:35812	NM_00104	XM_01151	.	.	NP_00103	XP_005251	protein_co	ENSG0000	51754	21427
TMEM8C	0	0	0	0	0	0	transmembrane protein 8C [Source:HGNC Symbol;Acc:HGNC:337	chr9:13637	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	389827	33778
TMEM9	47.8957	44.3927	46.2963	53.9323	42.3922	49.6331	transmembrane protein 9 [Source:HGNC Symbol;Acc:HGNC:1882	chr1:20110	NM_00128	XM_01150	.	.	NP_00127	XP_011507	protein_co	ENSG0000	252839	18823
TMEM91	2.1088	1.96044	3.02151	2.47	3.16566	2.86651	transmembrane protein 91 [Source:HGNC Symbol;Acc:HGNC:323	chr19:4183	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	641649	32393
TMEM92	4.59942	5.74912	9.90416	3.53556	4.72765	5.26398	transmembrane protein 92 [Source:HGNC Symbol;Acc:HGNC:265	chr17:4834	NM_00116	XM_00672	.	.	NP_00116	XP_006721	protein_co	ENSG0000	162461	26579
TMEM94	11.281	12.9009	13.8522	11.9822	11.3873	11.6114	transmembrane protein 94 [Source:HGNC Symbol;Acc:HGNC:289	chr17:7345	NM_00132	XM_01702	NR_10684	.	NP_00130	XP_005257	protein_co	ENSG0000	102466911	28983
TMEM95	0	0	0	0	0	0	transmembrane protein 95 [Source:HGNC Symbol;Acc:HGNC:278	chr17:7258	NM_00132	XM_01152	.	.	NP_00130	XP_005256	protein_co	ENSG0000	339168	27898
TMEM97	55.0142	52.9692	42.355	58.6136	65.4535	38.9939	transmembrane protein 97 [Source:HGNC Symbol;Acc:HGNC:281	chr17:2664	NM_01457	XM_00525	.	.	NP_05538	XP_005258	protein_co	ENSG0000	27346	28106
TMEM98	27.5924	26.8116	25.9303	28.6082	24.5399	26.9165	transmembrane protein 98 [Source:HGNC Symbol;Acc:HGNC:245	chr17:3125	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	26022	24529

TMEM99	20.8973	16.5505	17.6664	24.6318	22.8551	23.6376	transmembrane protein 99 [Source:HGNC Symbol;Acc:HGNC:283	chr17:3897	NM_00119	XM_00525	.	.	NP_00118	XP_005257	protein_co	ENSG0000	147184	28305
TMEM9B	28.6924	29.5767	28.2877	29.5468	31.1672	29.8504	TMEM9 domain family member B [Source:HGNC Symbol;Acc:HGN	chr11:8968	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	56674	1168
TMF1	8.62109	8.86139	8.46007	6.59709	8.66222	7.5659	TATA element modulatory factor 1 [Source:HGNC Symbol;Acc:HG	chr3:69068	NM_00711	XM_01153	.	.	NP_00904	XP_011532	protein_co	ENSG0000	7110	11870
TMIE	0.174041	0.243875	0.334497	0.188098	0.24187	0.452434	transmembrane inner ear [Source:HGNC Symbol;Acc:HGNC:3080	chr3:46742	NM_14719	.	.	.	NP_67172	.	protein_co	ENSG0000	259236	30800
TMIGD1	0	0	0	0	0	0	transmembrane and immunoglobulin domain containing 1 [Sourc	chr17:2864	NM_00131	XM_01152	.	.	NP_00130	XP_005258	protein_co	ENSG0000	388364	32431
TMIGD2	0	0.06174	0	0	0	0.068936	transmembrane and immunoglobulin domain containing 2 [Sourc	chr19:4292	NM_00116	XM_01152	.	.	NP_00116	XP_011525	protein_co	ENSG0000	126259	28324
TMIGD3	0	0	0	0	0	0	transmembrane and immunoglobulin domain containing 3 [Sourc	chr1:11202	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	57413	51375
TMLHE	3.84871	4.86246	5.20093	6.10935	5.44039	6.39269	trimethyllysine hydroxylase, epsilon [Source:HGNC Symbol;Acc:H	chrX:15471	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	55217	18308
TMOD1	2.78343	2.60751	4.32943	2.63124	2.54545	2.95942	tropomodulin 1 [Source:HGNC Symbol;Acc:HGNC:11871]	chr9:10026	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	7111	11871
TMOD2	2.91785	3.1338	3.67792	2.1974	3.41643	3.07437	tropomodulin 2 [Source:HGNC Symbol;Acc:HGNC:11872]	chr15:5201	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	29767	11872
TMOD3	24.3878	24.4459	24.1219	27.7791	29.2813	30.3169	tropomodulin 3 [Source:HGNC Symbol;Acc:HGNC:11873]	chr15:5212	NM_01454	.	.	.	NP_05536	XP_016877	protein_co	ENSG0000	29766	11873
TMOD4	0.310302	0.045052	0.155049	0.241239	0.408293	0.517552	tropomodulin 4 [Source:HGNC Symbol;Acc:HGNC:11874]	chr1:15111	NM_01333	XM_01150	.	.	NP_03748	XP_011507	protein_co	ENSG0000	29765	11874
TMPO	81.4048	81.7781	75.1171	117.625	121.577	111.68	thymopoietin [Source:HGNC Symbol;Acc:HGNC:11875]	chr12:9890	NM_00103	XM_00526	.	.	NP_00102	XP_005269	protein_co	ENSG0000	7112	11875
TMPPE	1.75404	1.97721	1.67611	1.11578	1.56399	1.11791	transmembrane protein with metallophosphoesterase domain [S	chr3:33038	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	643853	33865
TMPRSS11A	0	0	0	0	0	0	transmembrane protease, serine 11A [Source:HGNC Symbol;Acc:	chr4:68775	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	339967	27954
TMPRSS11B	0	0	0	0	0	0	transmembrane protease, serine 11B [Source:HGNC Symbol;Acc:	chr4:69092	NM_18250	XM_01153	.	.	NP_87230	XP_011529	protein_co	ENSG0000	132724	25398
TMPRSS11BNL	0	0	0	0	0	0	TMPRSS11B N-terminal like, pseudogene [Source:HGNC Symbol;A	chr4:69054	.	.	.	.	.	.	transcribed	ENSG0000	.	37262
TMPRSS11D	0	0	0	0	0	0	transmembrane protease, serine 11D [Source:HGNC Symbol;Acc:	chr4:68686	NM_00426	XM_00526	.	.	NP_00425	XP_005265	protein_co	ENSG0000	9407	24059
TMPRSS11E	0	0.038674	0.062581	0	0.0398	0	transmembrane protease, serine 11E [Source:HGNC Symbol;Acc:	chr4:69313	NM_01405	XM_01153	.	.	.	XP_011530	protein_co	ENSG0000	28983	24465
TMPRSS11F	0	0	0	0	0	0	transmembrane protease, serine 11F [Source:HGNC Symbol;Acc:	chr4:68918	NM_20740	.	.	.	NP_99729	.	protein_co	ENSG0000	389208	29994
TMPRSS12	0	0	0	0	0	0	transmembrane protease, serine 12 [Source:HGNC Symbol;Acc:H	chr12:5123	NM_18255	.	.	.	NP_87236	.	protein_co	ENSG0000	283471	28779
TMPRSS13	0.29388	0.336674	0.261004	0.217802	0.216401	0.595075	transmembrane protease, serine 13 [Source:HGNC Symbol;Acc:H	chr11:1177	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	84000	29808
TMPRSS15	0	0	0	0	0	0	transmembrane protease, serine 15 [Source:HGNC Symbol;Acc:H	chr21:1964	NM_00277	XM_01152	.	.	NP_00276	XP_011527	protein_co	ENSG0000	5651	9490
TMPRSS2	0	0	0	0	0	0.045408	transmembrane protease, serine 2 [Source:HGNC Symbol;Acc:HG	chr21:4283	NM_00113	XM_01152	.	.	NP_00112	XP_005261	protein_co	ENSG0000	7113	11876
TMPRSS3	0	0	0	0	0	0	transmembrane protease, serine 3 [Source:HGNC Symbol;Acc:HG	chr21:4379	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	64699	11877
TMPRSS4	0.558682	0.315886	0.548936	0.847649	0.499123	1.11932	transmembrane protease, serine 4 [Source:HGNC Symbol;Acc:HG	chr11:1178	NM_00108	XM_01154	.	.	NP_00107	XP_005271	protein_co	ENSG0000	56649	11878
TMPRSS4-AS1	0	0	0	0	0	0	TMPRSS4 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:4417	chr11:1178	.	.	NR_03831	.	.	.	protein_co	ENSG0000	100526771	44179
TMPRSS5	0.147306	0.132021	0.103962	0.381579	0.114063	0.222266	transmembrane protease, serine 5 [Source:HGNC Symbol;Acc:HG	chr11:1135	NM_00128	XM_01154	.	.	NP_00127	.	protein_co	ENSG0000	80975	14908
TMPRSS6	0.105436	0.025695	0.093781	0.084025	0.061803	0	transmembrane protease, serine 6 [Source:HGNC Symbol;Acc:HG	chr22:3746	NM_00128	XM_01152	.	.	NP_00127	XP_006724	protein_co	ENSG0000	164656	16517
TMPRSS7	0	0	0.081998	0	0	0	transmembrane protease, serine 7 [Source:HGNC Symbol;Acc:HG	chr3:11175	NM_00104	XM_01151	.	.	NP_00103	XP_011511	protein_co	ENSG0000	344805	30846
TMPRSS9	0.030027	0	0	0.081488	0	0	transmembrane protease, serine 9 [Source:HGNC Symbol;Acc:HG	chr19:2389	NM_18297	XM_01152	.	.	NP_89201	XP_011526	protein_co	ENSG0000	360200	30079
TMSB10	2519.08	2462.89	2351.7	3321.66	2519.7	3103.52	thymosin beta 10 [Source:HGNC Symbol;Acc:HGNC:11879]	chr2:85132	NM_02110	.	.	.	NP_06692	.	protein_co	ENSG0000	9168	11879
TMSB15A	26.0741	20.6287	32.1786	50.1167	48.0481	63.6059	thymosin beta 15a [Source:HGNC Symbol;Acc:HGNC:30744]	chrX:10176	NM_02199	.	.	.	NP_06883	.	protein_co	ENSG0000	11013	30744
TMSB15B	0.371867	0.416992	0.487174	0.332838	0.591523	0.637071	thymosin beta 15B [Source:HGNC Symbol;Acc:HGNC:28612]	chrX:10317	NM_19432	.	.	.	NP_91930	.	protein_co	ENSG0000	286527	28612
TMSB4X	437.03	372.951	324.129	521.361	450.297	728.21	thymosin beta 4, X-linked [Source:HGNC Symbol;Acc:HGNC:1188	chrX:12993	NM_02110	.	.	.	NP_06693	.	protein_co	ENSG0000	7114	11881
TMSB4Y	0.422809	0.12556	0.207524	0	0	0	thymosin beta 4, Y-linked [Source:HGNC Symbol;Acc:HGNC:1188	chrY:15815	NM_00420	.	.	.	NP_00419	.	protein_co	ENSG0000	9087	11882
TMTC1	0.461771	0.731597	0.739329	0.220369	0.340927	0.52706	transmembrane and tetratricopeptide repeat containing 1 [Sourc	chr12:2965	NM_00119	XM_01152	.	.	NP_00118	XP_005253	protein_co	ENSG0000	83857	24099
TMTC2	3.35977	3.24909	5.84167	2.69849	3.15335	5.11641	transmembrane and tetratricopeptide repeat containing 2 [Sourc	chr12:8308	NM_00132	XM_01153	.	.	NP_00130	.	protein_co	ENSG0000	160335	25440
TMTC3	6.09463	6.25608	6.81435	5.48921	7.04195	8.43023	transmembrane and tetratricopeptide repeat containing 3 [Sourc	chr12:8853	NM_18178	XM_01153	.	.	NP_86144	XP_011536	protein_co	ENSG0000	160418	26899
TMTC4	6.80112	7.80762	7.96372	6.44752	6.2797	8.79918	transmembrane and tetratricopeptide repeat containing 4 [Sourc	chr13:1012	NM_00107	XM_01152	.	.	NP_00107	XP_011519	protein_co	ENSG0000	84899	25904
TMUB1	54.3707	52.2401	43.0613	54.6569	40.5466	42.1507	transmembrane and ubiquitin like domain containing 1 [Source:H	chr7:15077	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	83590	21709
TMUB2	13.0863	13.3311	14.7485	11.672	10.2395	11.443	transmembrane and ubiquitin like domain containing 2 [Source:H	chr17:4226	NM_00107	XM_01152	.	.	NP_00107	XP_011523	protein_co	ENSG0000	79089	28459
TMX1	23.1265	22.9543	20.0886	25.7521	26.2508	24.8725	thioredoxin related transmembrane protein 1 [Source:HGNC Sym	chr14:5170	NM_03075	.	.	.	NP_11038	.	protein_co	ENSG0000	81542	15487
TMX2	99.3212	93.336	75.1308	100.401	96.5961	78.7921	thioredoxin related transmembrane protein 2 [Source:HGNC Sym	chr11:5748	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	51075	30739
TMX3	11.6523	11.3986	11.903	8.8427	11.5684	12.7346	thioredoxin related transmembrane protein 3 [Source:HGNC Sym	chr18:6634	NM_01902	XM_01152	.	.	NP_06189	XP_005266	protein_co	ENSG0000	54495	24718
TMX4	3.60251	3.58978	4.19227	3.31015	3.85893	5.78208	thioredoxin related transmembrane protein 4 [Source:HGNC Sym	chr20:7957	NM_02115	.	.	.	NP_06697	.	protein_co	ENSG0000	56255	25237
TNC	0.0701	0.011811	0.023641	0.076855	0.060175	0.087709	tenascin C [Source:HGNC Symbol;Acc:HGNC:5318]	chr9:11778	NM_00216	XM_01151	.	.	NP_00215	XP_005252	protein_co	ENSG0000	3371	5318
TNF	0.089968	0.045589	0.077976	0.049027	0	0.04779	tumor necrosis factor [Source:HGNC Symbol;Acc:HGNC:11892]	chr6:31543	NM_00059	.	.	.	NP_00058	.	protein_co	ENSG0000	7124	11892
TNFAIP1	15.7447	15.5946	15.656	12.9496	13.6287	13.7147	TNF alpha induced protein 1 [Source:HGNC Symbol;Acc:HGNC:11	chr17:2666	NM_02113	.	.	.	NP_06696	.	protein_co	ENSG0000	7126	11894
TNFAIP2	31.6786	31.5844	42.158	19.2118	18.0962	16.3815	TNF alpha induced protein 2 [Source:HGNC Symbol;Acc:HGNC:11	chr14:1035	NM_00629	XM_01153	.	.	NP_00628	XP_006720	protein_co	ENSG0000	7127	11895
TNFAIP3	6.42169	7.35687	4.13246	1.82753	1.75603	1.37398	TNF alpha induced protein 3 [Source:HGNC Symbol;Acc:HGNC:11	chr6:13818	NM_00127	XM_01153	.	.	NP_00125	XP_005267	protein_co	ENSG0000	7128	11896
TNFAIP6	0	0	0	0	0	0	TNF alpha induced protein 6 [Source:HGNC Symbol;Acc:HGNC:11	chr2:15221	NM_00711	.	.	.	NP_00904	.	protein_co	ENSG0000	7130	11898
TNFAIP8	13.458	13.565	11.9847	16.4936	16.4249	17.1596	TNF alpha induced protein 8 [Source:HGNC Symbol;Acc:HGNC:17	chr5:11860	NM_00107	.	.	.	NP_00107	XP_016864	protein_co	ENSG0000	25816	17260
TNFAIP8L1	10.4203	10.4796	12.7545	14.2779	12.6491	12.1517	TNF alpha induced protein 8 like 1 [Source:HGNC Symbol;Acc:HG	chr19:4639	NM_00116	XM_01152	.	.	NP_00116	XP_005259	protein_co	ENSG0000	126282	28279
TNFAIP8L2	0	0	0	0	0	0	TNF alpha induced protein 8 like 2 [Source:HGNC Symbol;Acc:HG	chr1:15112	NM_02457	.	.	.	NP_07885	.	protein_co	ENSG0000	79626	26277
TNFAIP8L3	0.433039	0.411689	0.627783	0.440989	0.284909	0.295989	TNF alpha induced protein 8 like 3 [Source:HGNC Symbol;Acc:HG	chr15:5134	NM_00131	XM_00525	.	.	NP_00129	XP_005254	protein_co	ENSG0000	388121	20620
TNFRSF10A	18.3462	20.6213	18.0314	18.8705	17.4223	15.4175	TNF receptor superfamily member 10a [Source:HGNC Symbol;Ac	chr8:23047	NM_00384	.	.	.	NP_00383	.	protein_co	ENSG0000	8797	11904
TNFRSF10B	66.8332	66.5753	69.528	49.1906	55.3865	82.7027	TNF receptor superfamily member 10b [Source:HGNC Symbol;Ac	chr8:22844	NM_00384	.	.	.	NP_00383	.	protein_co	ENSG0000	8795	11905
TNFRSF10C	4.47695	5.39145	5.83196	5.24937	4.72628	3.34207	TNF receptor superfamily member 10c [Source:HGNC Symbol;Ac	chr8:22941	NM_00384	.	.	.	NP_00383	.	protein_co	ENSG0000	8794	11906

TNFRSF10D	21.6586	22.6876	31.7406	24.5403	25.7475	32.4171	TNF receptor superfamily member 10d [Source:HGNC Symbol;Ac	chr8:22993	NM_00384	.	.	.	NP_00383	.	protein_co	ENSG0000	8793	11907
TNFRSF11A	0.851504	0.844739	1.10197	1.25023	1.21143	1.44971	TNF receptor superfamily member 11a [Source:HGNC Symbol;Ac	chr18:5999	NM_00127	XM_01152	.	.	NP_00125	XP_011524	protein_co	ENSG0000	8792	11908
TNFRSF11B	0	0	0	0	0	0	TNF receptor superfamily member 11b [Source:HGNC Symbol;Ac	chr8:11993	NM_00254	.	.	.	NP_00253	.	protein_co	ENSG0000	4982	11909
TNFRSF12A	186.694	194.747	132.269	176.384	133.697	152.485	TNF receptor superfamily member 12A [Source:HGNC Symbol;Ac	chr16:3064	NM_01663	.	.	.	NP_05772	.	protein_co	ENSG0000	51330	18152
TNFRSF13B	0	0	0	0	0	0	TNF receptor superfamily member 13B [Source:HGNC Symbol;Ac	chr17:1683	NM_01245	.	.	.	NP_03658	.	protein_co	ENSG0000	23495	18153
TNFRSF13C	1.18437	1.11131	1.25068	0.976641	0.612058	1.59364	TNF receptor superfamily member 13C [Source:HGNC Symbol;Ac	chr22:4231	NM_05294	.	NR_03976	.	NP_44317	.	protein_co	ENSG0000	100616259	17755
TNFRSF14	0	0	0	0	0.110803	0.055479	TNF receptor superfamily member 14 [Source:HGNC Symbol;Acc:	chr1:24876	NM_00129	XM_00671	.	.	NP_00128	XP_006711	protein_co	ENSG0000	8764	11912
TNFRSF17	0	0	0	0	0	0	TNF receptor superfamily member 17 [Source:HGNC Symbol;Acc:	chr16:1205	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	608	11913
TNFRSF18	40.0463	41.103	39.6499	32.4143	24.4992	25.7545	TNF receptor superfamily member 18 [Source:HGNC Symbol;Acc:	chr1:11388	NM_00419	.	.	.	NP_00418	.	protein_co	ENSG0000	8784	11914
TNFRSF19	0.508605	0.582591	0.843327	0.650047	0.926953	0.765601	TNF receptor superfamily member 19 [Source:HGNC Symbol;Acc:	chr13:2414	NM_00120	XM_01153	.	.	NP_00119	XP_005266	protein_co	ENSG0000	55504	11915
TNFRSF1A	40.7451	41.3259	35.9342	32.0067	31.2616	47.5548	TNF receptor superfamily member 1A [Source:HGNC Symbol;Acc:	chr12:6437	NM_00106	.	.	.	NP_00105	.	protein_co	ENSG0000	7132	11916
TNFRSF1B	0.125181	0.04161	0.197346	0.089853	0.234095	0.090851	TNF receptor superfamily member 1B [Source:HGNC Symbol;Acc:	chr1:12227	NM_00106	XM_01700	NR_10700	.	NP_00105	XP_011540	protein_co	ENSG0000	102465836	11917
TNFRSF21	28.8389	32.8031	30.3434	39.023	38.3324	46.4449	TNF receptor superfamily member 21 [Source:HGNC Symbol;Acc:	chr6:47199	NM_01445	.	.	.	NP_05526	.	protein_co	ENSG0000	27242	13469
TNFRSF25	8.1107	6.81588	7.18533	8.14625	7.08574	5.9629	TNF receptor superfamily member 25 [Source:HGNC Symbol;Acc:	chr1:65212	NM_00379	.	.	.	NP_00103	.	protein_co	ENSG0000	8718	11910
TNFRSF4	0.087337	0	0.074498	0	0	0	TNF receptor superfamily member 4 [Source:HGNC Symbol;Acc:H	chr1:11467	NM_00332	XM_01154	.	.	NP_00331	XP_011540	protein_co	ENSG0000	7293	11918
TNFRSF6B	29.55	27.349	160.775	7.41715	6.41511	16.5238	TNF receptor superfamily member 6b [Source:HGNC Symbol;Acc:	chr20:6232	NM_00382	.	.	.	NP_00381	.	protein_co	ENSG0000	8771	11921
TNFRSF8	0.032442	0.097022	0.223227	0.069593	0.037649	0.146428	TNF receptor superfamily member 8 [Source:HGNC Symbol;Acc:H	chr1:12123	NM_00124	XM_01154	.	.	NP_00123	XP_011540	protein_co	ENSG0000	943	11923
TNFRSF9	2.24465	2.91974	1.11638	0.303417	0.145076	0.215726	TNF receptor superfamily member 9 [Source:HGNC Symbol;Acc:H	chr1:79759	NM_00156	XM_01154	.	.	NP_00155	XP_011539	protein_co	ENSG0000	3604	11924
TNFSF10	0.039378	0	0.086832	0	0.043978	0.097856	tumor necrosis factor superfamily member 10 [Source:HGNC Sym	chr3:17222	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	8743	11925
TNFSF11	0	0	0	0.048278	0	0	tumor necrosis factor superfamily member 11 [Source:HGNC Sym	chr13:4313	NM_00370	XM_01153	.	.	NP_00369	XP_011533	protein_co	ENSG0000	8600	11926
TNFSF12	8.9872	9.58329	8.02749	9.49765	7.46608	6.06717	tumor necrosis factor superfamily member 12 [Source:HGNC Sym	chr17:7452	NM_00380	.	.	.	NP_00380	.	protein_co	ENSG0000	8742	11927
TNFSF12-TNFSF13	0.001037	0.156086	0.471237	0.641702	0.001297	0.226239	TNFSF12-TNFSF13 readthrough [Source:HGNC Symbol;Acc:HGNC:	chr17:7452	NM_17208	.	.	.	NP_74208	.	protein_co	ENSG0000	407977	33537
TNFSF13	2.81398	2.35344	2.21683	0.356377	0.693226	0.107824	tumor necrosis factor superfamily member 13 [Source:HGNC Sym	chr17:7452	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	8741	11928
TNFSF13B	0.179306	0.181474	0.031246	0.082096	0	0.069729	tumor necrosis factor superfamily member 13b [Source:HGNC Sy	chr13:1089	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	10673	11929
TNFSF14	0	0.013649	0	0	0.015024	0	tumor necrosis factor superfamily member 14 [Source:HGNC Sym	chr19:6661	NM_00380	XM_00525	.	.	NP_00379	XP_005259	protein_co	ENSG0000	8740	11930
TNFSF15	0.058652	0.024971	0.02379	0.031274	0.026023	0.034862	tumor necrosis factor superfamily member 15 [Source:HGNC Sym	chr9:11754	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	9966	11931
TNFSF18	3.18736	3.54292	7.62345	0.098806	0.047086	0.124312	tumor necrosis factor superfamily member 18 [Source:HGNC Sym	chr1:17300	NM_00509	.	.	.	NP_00508	.	protein_co	ENSG0000	8995	11932
TNFSF4	1.33984	1.26471	1.21792	0.080125	0.283574	0.231631	tumor necrosis factor superfamily member 4 [Source:HGNC Symb	chr1:17315	NM_00129	.	.	.	NP_00128	XP_016857	protein_co	ENSG0000	7292	11934
TNFSF8	0	0	0	0	0	0	tumor necrosis factor superfamily member 8 [Source:HGNC Symb	chr9:11765	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	944	11938
TNFSF9	25.8274	23.3922	23.6452	42.8083	36.7163	32.2942	tumor necrosis factor superfamily member 9 [Source:HGNC Symb	chr19:6531	NM_00381	XM_00672	.	.	NP_00380	XP_006722	protein_co	ENSG0000	8744	11939
TNIK	8.02899	7.92835	12.1659	12.3354	14.4786	13.2216	TRAF2 and NCK interacting kinase [Source:HGNC Symbol;Acc:HGN	chr3:17077	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	23043	30765
TNIP1	21.222	23.0526	19.8886	13.8026	12.4943	10.2381	TNFAIP3 interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:1	chr5:15040	NM_00125	XM_01153	.	.	NP_00123	XP_005268	protein_co	ENSG0000	10318	16903
TNIP2	25.7499	22.8293	22.3097	30.3075	24.0282	19.6293	TNFAIP3 interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:1	chr4:27433	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	79155	19118
TNIP3	0	0	0	0	0	0	TNFAIP3 interacting protein 3 [Source:HGNC Symbol;Acc:HGNC:1	chr4:12205	NM_00112	XM_01153	.	.	NP_00112	XP_011530	protein_co	ENSG0000	79931	19315
TNK1	11.1908	10.7919	7.56228	10.793	9.9407	6.69855	tyrosine kinase non receptor 1 [Source:HGNC Symbol;Acc:HGNC:	chr17:7283	NM_00125	XM_01152	.	.	NP_00123	XP_011522	protein_co	ENSG0000	8711	11940
TNK2	8.54303	9.12296	10.3612	7.56256	6.50668	7.14303	tyrosine kinase non receptor 2 [Source:HGNC Symbol;Acc:HGNC:	chr3:19559	NM_00101	XM_01700	.	.	NP_00101	XP_005269	protein_co	ENSG0000	10188	19297
TNKS	9.36334	9.92259	9.86681	8.35265	10.1792	12.6355	tankyrase [Source:HGNC Symbol;Acc:HGNC:11941]	chr8:94134	NM_00374	XM_01154	.	.	NP_00373	XP_006716	protein_co	ENSG0000	8658	11941
TNKS1BP1	16.0162	15.8998	13.0709	12.7453	12.1916	17.6383	tankyrase 1 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:1	chr11:5706	NM_03339	XM_00671	.	.	NP_20375	XP_006718	protein_co	ENSG0000	85456	19081
TNKS2	7.98007	9.97011	9.76821	13.1637	16.4392	19.1203	tankyrase 2 [Source:HGNC Symbol;Acc:HGNC:15677]	chr10:9355	NM_02523	XM_01701	.	.	NP_07951	XP_005270	protein_co	ENSG0000	80351	15677
TNMD	0	0	0	0	0	0	tenomodulin [Source:HGNC Symbol;Acc:HGNC:17757]	chrX:99839	NM_02214	.	.	.	NP_07142	.	protein_co	ENSG0000	64102	17757
TNN	0	0.014912	0.014323	0.053362	0.019145	0.017965	tenascin N [Source:HGNC Symbol;Acc:HGNC:22942]	chr1:17503	NM_02209	XM_01700	.	.	NP_07137	XP_016857	protein_co	ENSG0000	63923	22942
TNNC1	2.29325	1.2208	1.88289	3.87195	3.44254	3.16124	troponin C1, slow skeletal and cardiac type [Source:HGNC Symbo	chr3:52485	NM_00328	.	.	.	NP_00327	.	protein_co	ENSG0000	7134	11943
TNNC2	0	0.304398	0.152073	0.093435	0	0	troponin C2, fast skeletal type [Source:HGNC Symbol;Acc:HGNC:1	chr20:4445	NM_00327	XM_01152	.	.	NP_00327	XP_011527	protein_co	ENSG0000	7125	11944
TNNI1	0	0	0.011293	0	0	0	troponin I1, slow skeletal type [Source:HGNC Symbol;Acc:HGNC:1	chr1:20137	NM_00328	.	.	.	NP_00327	.	protein_co	ENSG0000	7135	11945
TNNI2	0.171824	0.252999	0.075354	0.090949	0.101521	0	troponin I2, fast skeletal type [Source:HGNC Symbol;Acc:HGNC:1	chr11:1860	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	7136	11946
TNNI3	22.4407	16.4529	21.2572	34.9612	25.6833	27.456	troponin I3, cardiac type [Source:HGNC Symbol;Acc:HGNC:11947	chr19:5566	NM_00036	.	.	.	NP_00035	.	protein_co	ENSG0000	7137	11947
TNNI3K	1.3E-57	0.040065	8.19E-27	3.02E-20	7.17E-16	6.57E-21	TNNI3 interacting kinase [Source:HGNC Symbol;Acc:HGNC:19661	chr1:74663	NM_01597	.	.	.	NP_05706	.	protein_co	ENSG0000	51086	19661
TNNT1	72.6381	70.7002	66.7598	79.8426	63.3385	69.1939	troponin T1, slow skeletal type [Source:HGNC Symbol;Acc:HGNC:	chr19:5564	NM_00112	XM_01152	.	.	NP_00111	XP_011525	protein_co	ENSG0000	7138	11948
TNNT2	0	0.148191	0.221387	0.149394	0.195772	0.414725	troponin T2, cardiac type [Source:HGNC Symbol;Acc:HGNC:11949	chr1:20132	NM_00036	XM_01700	.	.	NP_00035	XP_006711	protein_co	ENSG0000	7139	11949
TNNT3	0	0	0.042383	0.073183	0	0	troponin T3, fast skeletal type [Source:HGNC Symbol;Acc:HGNC:1	chr11:1940	NM_00104	XM_01701	.	.	NP_00103	XP_006718	protein_co	ENSG0000	7140	11950
TNP1	0	0	0	0	0	0	transition protein 1 [Source:HGNC Symbol;Acc:HGNC:11951]	chr2:21772	NM_00328	.	.	.	NP_00327	.	protein_co	ENSG0000	7141	11951
TNP2	0	0	0	0	0	0	transition protein 2 [Source:HGNC Symbol;Acc:HGNC:11952]	chr16:1134	NM_00542	.	.	.	NP_00541	.	protein_co	ENSG0000	7142	11952
TNPO1	40.0964	38.3737	36.2731	42.5808	50.4234	48.1114	transportin 1 [Source:HGNC Symbol;Acc:HGNC:6401]	chr5:72112	NM_00227	XM_00524	.	.	NP_00226	XP_005248	protein_co	ENSG0000	3842	6401
TNPO2	26.839	28.5969	28.6466	37.1109	36.1698	25.8557	transportin 2 [Source:HGNC Symbol;Acc:HGNC:19998]	chr19:1281	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	30000	19998
TNPO3	26.3849	26.7162	24.4925	27.4284	29.922	28.8166	transportin 3 [Source:HGNC Symbol;Acc:HGNC:17103]	chr7:12859	NM_00119	XM_01151	.	.	NP_00117	XP_011514	protein_co	ENSG0000	23534	17103
TNR	0	0	0	0	0	0	tenascin R [Source:HGNC Symbol;Acc:HGNC:11953]	chr1:17528	NM_00328	XM_01150	.	.	NP_00327	XP_011508	protein_co	ENSG0000	7143	11953
TNRC18	17.1516	18.6906	17.4253	12.3216	12.9776	18.2308	trinucleotide repeat containing 18 [Source:HGNC Symbol;Acc:HG	chr7:53225	NM_00108	.	.	.	NP_00107	XP_016868	protein_co	ENSG0000	84629	11962
TNRC6A	10.9257	12.2813	10.2469	10.4106	12.3649	10.7113	trinucleotide repeat containing 6A [Source:HGNC Symbol;Acc:HG	chr16:2474	NM_01449	XM_01702	.	.	NP_05530	XP_005255	protein_co	ENSG0000	27327	11969
TNRC6B	4.69593	5.18565	6.25367	4.42432	5.18077	6.24135	trinucleotide repeat containing 6B [Source:HGNC Symbol;Acc:HG	chr22:4044	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	23112	29190

TNRC6C	4.20846	4.4741	3.60972	3.68696	3.90198	4.31869	trinucleotide repeat containing 6C [Source:HGNC Symbol;Acc:HG	chr17:7595	NM_00114	XM_01152	.	.	NP_00113	XP_006722	protein_co	ENSG0000	57690	29318
TNS1	1.43137	1.88376	1.79617	1.68745	1.73061	1.1524	tensin 1 [Source:HGNC Symbol;Acc:HGNC:11973]	chr2:21866	NM_00130	XM_01151	.	.	NP_00129	XP_011510	protein_co	ENSG0000	7145	11973
TNS2	5.07185	3.95796	4.60021	3.30166	2.92462	3.40381	tensin 2 [Source:HGNC Symbol;Acc:HGNC:19737]	chr12:5344	NM_01531	XM_01153	.	.	NP_05613	XP_006719	protein_co	ENSG0000	23371	19737
TNS3	3.16176	3.42058	4.28385	2.55575	2.64212	2.03612	tensin 3 [Source:HGNC Symbol;Acc:HGNC:21616]	chr7:47314	NM_02274	XM_01701	.	.	NP_07358	XP_011513	protein_co	ENSG0000	64759	21616
TNS4	5.70342	5.05086	10.0946	10.3723	10.9649	19.4946	tensin 4 [Source:HGNC Symbol;Acc:HGNC:24352]	chr17:3863	NM_03286	XM_00525	.	.	NP_11625	XP_005257	protein_co	ENSG0000	84951	24352
TNXB	0.888347	1.07007	0.892574	0.792787	0.814413	1.0204	tenascin XB [Source:HGNC Symbol;Acc:HGNC:11976]	chr6:32006	NM_0191(	.	.	.	NP_06197	.	protein_co	ENSG0000	7148	11976
TOB1	36.7034	38.3425	42.317	38.3044	35.2708	32.9441	transducer of ERBB2, 1 [Source:HGNC Symbol;Acc:HGNC:11979]	chr17:4893	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	10140	11979
TOB2	21.1741	22.36	21.4503	24.1171	23.5807	23.5269	transducer of ERBB2, 2 [Source:HGNC Symbol;Acc:HGNC:11980]	chr22:4182	NM_01627	XM_00672	.	.	NP_05735	XP_005261	protein_co	ENSG0000	10766	11980
TOE1	13.8201	12.8326	9.94503	14.8345	13.4645	10.2082	target of EGR1, member 1 (nuclear) [Source:HGNC Symbol;Acc:H	chr1:45794	NM_02507	XM_00527	.	.	NP_07935	XP_005270	protein_co	ENSG0000	114034	15954
TOLLIP	11.5977	11.8838	12.8337	10.857	10.3782	9.44231	toll interacting protein [Source:HGNC Symbol;Acc:HGNC:16476]	chr11:1295	NM_00131	XM_01152	.	.	NP_00130	XP_011518	protein_co	ENSG0000	54472	16476
TOM1	8.96804	8.68431	7.45073	7.87501	7.00421	5.13846	target of myb1 membrane trafficking protein [Source:HGNC Symb	chr22:3569	NM_00113	XM_01702	.	.	NP_00112	XP_011528	protein_co	ENSG0000	10043	11982
TOM1L1	27.5071	25.2178	26.5041	24.0008	23.6494	33.0661	target of myb1 like 1 membrane trafficking protein [Source:HGN	chr17:5297	NM_00132	XM_01152	.	.	NP_00130	XP_011522	protein_co	ENSG0000	10040	11983
TOM1L2	6.07014	6.29768	6.77307	5.48483	5.18804	6.13862	target of myb1 like 2 membrane trafficking protein [Source:HGN	chr17:1774	NM_00103	XM_01152	.	.	NP_00102	XP_005256	protein_co	ENSG0000	146691	11984
TOMM20	108.712	107.919	116.069	105.127	124.6	136.754	translocase of outer mitochondrial membrane 20 [Source:HGNC S	chr1:23527	NM_01476	.	.	.	NP_05558	.	protein_co	ENSG0000	9804	20947
TOMM20L	0	0	0	0	0	0	translocase of outer mitochondrial membrane 20 like [Source:HG	chr14:5886	NM_20737	XM_01153	.	.	NP_99726	XP_011535	protein_co	ENSG0000	387990	33752
TOMM22	94.6622	94.6069	87.617	112.943	91.8217	76.4916	translocase of outer mitochondrial membrane 22 [Source:HGNC S	chr22:3907	NM_02024	.	.	.	NP_06462	.	protein_co	ENSG0000	56993	18002
TOMM34	48.5572	52.0343	44.6471	59.4128	49.7706	48.0249	translocase of outer mitochondrial membrane 34 [Source:HGNC S	chr20:4353	NM_00680	.	.	.	NP_00680	.	protein_co	ENSG0000	10953	15746
TOMM40	104.802	103.22	90.1166	148.984	122.752	73.4665	translocase of outer mitochondrial membrane 40 [Source:HGNC S	chr19:4539	NM_00112	XM_00525	.	.	NP_00112	XP_005258	protein_co	ENSG0000	10452	18001
TOMM40L	9.25308	8.51535	8.89467	8.48966	7.88172	5.96846	translocase of outer mitochondrial membrane 40 like [Source:HG	chr1:16119	NM_00128	XM_01700	NR_04981	.	NP_00127	XP_006711	protein_co	ENSG0000	10084709	25756
TOMM5	174.61	156.672	176.857	247.875	232.016	195.109	translocase of outer mitochondrial membrane 5 [Source:HGNC Sy	chr9:37588	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	401505	31369
TOMM6	423.922	387.613	348.308	489.139	423.111	325.069	translocase of outer mitochondrial membrane 6 [Source:HGNC Sy	chr6:41755	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	100188893	34528
TOMM7	378.096	387.232	364.84	398.026	313.709	386.639	translocase of outer mitochondrial membrane 7 [Source:HGNC Sy	chr7:22852	NM_01905	.	.	.	NP_06193	.	protein_co	ENSG0000	54543	21648
TOMM70	31.9179	31.6337	32.7723	27.0316	34.0036	35.3544	translocase of outer mitochondrial membrane 70 [Source:HGNC S	chr3:10008	NM_01482	.	.	.	NP_05563	.	protein_co	ENSG0000	9868	11985
TONSL	27.6651	28.5746	22.5712	30.9321	29.6784	18.0735	tonsoku-like, DNA repair protein [Source:HGNC Symbol;Acc:HGN	chr8:14565	NM_01343	XM_01151	.	.	NP_03846	.	protein_co	ENSG0000	4796	7801
TOP1	66.4834	71.5586	89.8007	77.8879	76.5437	85.4749	topoisomerase (DNA) I [Source:HGNC Symbol;Acc:HGNC:11986]	chr20:3965	NM_00328	.	.	.	NP_00327	.	protein_co	ENSG0000	7150	11986
TOP1MT	18.573	18.155	22.7677	17.6108	16.6684	17.3437	topoisomerase (DNA) I, mitochondrial [Source:HGNC Symbol;Acc	chr8:14439	NM_00125	XM_00525	.	.	NP_00124	XP_005250	protein_co	ENSG0000	116447	29787
TOP2A	39.6855	38.4466	43.0847	52.8953	66.9759	58.9439	topoisomerase (DNA) II alpha [Source:HGNC Symbol;Acc:HGNC:1	chr17:3854	NM_00106	XM_01152	.	.	NP_00105	XP_005257	protein_co	ENSG0000	7153	11989
TOP2B	24.593	24.474	28.4035	22.5606	28.3022	31.4721	topoisomerase (DNA) II beta [Source:HGNC Symbol;Acc:HGNC:11	chr3:25469	NM_00106	XM_01153	NR_03964	.	NP_00105	XP_005265	protein_co	ENSG0000	100616477	11990
TOP3A	10.9814	12.3645	9.87449	11.5686	11.201	10.4308	topoisomerase (DNA) III alpha [Source:HGNC Symbol;Acc:HGNC:1	chr17:1817	NM_00461	XM_00525	.	.	NP_00130	.	protein_co	ENSG0000	7156	11992
TOP3B	9.41723	8.56692	8.19406	10.8353	8.55343	8.54516	topoisomerase (DNA) III beta [Source:HGNC Symbol;Acc:HGNC:11	chr22:2231	NM_00128	XM_01153	.	.	NP_00126	XP_005261	protein_co	ENSG0000	8940	11993
TOPAZ1	0	0.014536	0	0	0	0	testis and ovary specific PAZ domain containing 1 [Source:HGNC S	chr3:44283	NM_00114	XM_01153	.	.	NP_00113	XP_011531	protein_co	ENSG0000	375337	24746
TOPBP1	18.953	18.0591	16.1262	17.4273	21.56	18.8982	topoisomerase (DNA) II binding protein 1 [Source:HGNC Symbol;A	chr3:13331	NM_00702	XM_01700	.	.	NP_00895	XP_005247	protein_co	ENSG0000	11073	17008
TOPORS	8.86423	8.37756	9.23856	9.15162	10.3114	9.99147	TOP1 binding arginine/serine rich protein [Source:HGNC Symbol;A	chr9:32540	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	10210	21653
TOPORS-AS1	3.46221	3.99758	3.07805	4.10929	3.06231	3.5842	TOPORS antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:31420	chr9:32540	.	.	.	.	.	.	protein_co	ENSG0000	.	31420
TOR1A	24.6457	26.3626	18.3751	28.5788	24.3489	20.1275	torsin family 1 member A [Source:HGNC Symbol;Acc:HGNC:3098]	chr9:13257	NM_00011	.	.	.	NP_00010	.	protein_co	ENSG0000	1861	3098
TOR1AIP1	13.8898	15.6144	13.3434	13.7863	14.3796	13.7887	torsin 1A interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:2	chr1:17985	NM_00126	XM_01150	.	.	NP_00125	XP_011507	protein_co	ENSG0000	26092	29456
TOR1AIP2	29.3394	30.2242	29.6263	23.7025	31.2863	28.2632	torsin 1A interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:2	chr1:17980	NM_00119	XM_00524	.	.	NP_00118	XP_005244	protein_co	ENSG0000	163590	24055
TOR1B	10.4666	10.216	9.17926	10.0963	9.38567	9.4957	torsin family 1 member B [Source:HGNC Symbol;Acc:HGNC:11995	chr9:13256	NM_01450	XM_00525	.	.	NP_05532	XP_005251	protein_co	ENSG0000	27348	11995
TOR2A	10.9647	11.2577	9.30768	8.68275	7.19498	10.4483	torsin family 2 member A [Source:HGNC Symbol;Acc:HGNC:11996	chr9:13046	NM_00108	XM_01151	.	.	NP_00107	XP_011516	protein_co	ENSG0000	27433	11996
TOR3A	26.6826	28.4866	22.7432	29.8986	24.643	20.3846	torsin family 3 member A [Source:HGNC Symbol;Acc:HGNC:11997	chr1:17905	NM_02237	.	.	.	NP_07176	.	protein_co	ENSG0000	64222	11997
TOR4A	18.3747	21.9226	20.0307	22.5535	20.7939	24.8083	torsin family 4 member A [Source:HGNC Symbol;Acc:HGNC:25981	chr9:14017	NM_01772	.	.	.	NP_06019	.	protein_co	ENSG0000	54863	25981
TOX	0.06285	0.044478	0.072752	0	0.04652	0	thymocyte selection associated high mobility group box [Source:H	chr8:59717	NM_01472	.	.	.	NP_05554	XP_016869	protein_co	ENSG0000	9760	18988
TOX2	6.2803	7.55066	10.6119	7.36908	7.68191	9.62485	TOX high mobility group box family member 2 [Source:HGNC Sym	chr20:4254	NM_00109	XM_00672	.	.	NP_00109	XP_006723	protein_co	ENSG0000	84969	16095
TOX3	0	0	0	0	0	0	TOX high mobility group box family member 3 [Source:HGNC Sym	chr16:5247	NM_00108	XM_01702	.	.	NP_00107	XP_005255	protein_co	ENSG0000	27324	11972
TOX4	15.7312	18.3733	17.2951	17.0743	15.8115	14.9536	TOX high mobility group box family member 4 [Source:HGNC Sym	chr14:2192	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	9878	20161
TP53	49.458	53.2373	45.3947	41.2418	38.8791	41.5053	tumor protein p53 [Source:HGNC Symbol;Acc:HGNC:11998]	chr17:7565	NM_00054	.	.	.	NP_00053	.	protein_co	ENSG0000	7157	11998
TP53AIP1	0.239313	0.053015	0.044765	0	0.117129	0	tumor protein p53 regulated apoptosis inducing protein 1 [Source	chr11:1288	NM_00119	.	.	.	NP_00118	XP_016873	protein_co	ENSG0000	63970	29984
TP53BP1	13.5999	14.3798	14.1585	9.07075	8.57957	7.83552	tumor protein p53 binding protein 1 [Source:HGNC Symbol;Acc:H	chr15:4366	NM_00114	XM_01152	.	.	NP_00113	XP_011520	protein_co	ENSG0000	7158	11999
TP53BP2	13.5257	14.7632	11.8983	14.6786	14.149	12.905	tumor protein p53 binding protein 2 [Source:HGNC Symbol;Acc:H	chr1:22396	NM_00103	XM_01700	.	.	NP_00102	XP_011542	protein_co	ENSG0000	7159	12000
TP53I11	22.0056	22.723	28.1892	28.0218	27.6749	31.8331	tumor protein p53 inducible protein 11 [Source:HGNC Symbol;Ac	chr11:4474	NM_00125	XM_01701	.	.	NP_00124	XP_005253	protein_co	ENSG0000	9537	16842
TP53I13	19.6377	19.5808	20.4195	16.9693	15.6469	12.2798	tumor protein p53 inducible protein 13 [Source:HGNC Symbol;Ac	chr17:2789	NM_13834	.	.	.	NP_61235	XP_016880	protein_co	ENSG0000	90313	25102
TP53I3	16.8994	17.1106	23.49	13.34	9.13417	5.77207	tumor protein p53 inducible protein 3 [Source:HGNC Symbol;Acc	chr2:24299	NM_00120	XM_00671	.	.	NP_00119	XP_005264	protein_co	ENSG0000	9540	19373
TP53INP1	8.78501	9.28896	17.6122	5.76851	7.48644	11.3839	tumor protein p53 inducible nuclear protein 1 [Source:HGNC Sym	chr8:95835	NM_00113	XM_01151	.	.	NP_00112	XP_011515	protein_co	ENSG0000	94241	18022
TP53INP2	4.9761	5.07085	5.56666	5.56422	5.25425	4.90082	tumor protein p53 inducible nuclear protein 2 [Source:HGNC Sym	chr20:3329	NM_00132	XM_01152	.	.	NP_00131	XP_005260	protein_co	ENSG0000	58476	16104
TP53RK	10.1909	11.5463	10.3561	15.0423	13.1985	11.8071	TP53 regulating kinase [Source:HGNC Symbol;Acc:HGNC:16197]	chr20:4531	NM_03355	.	.	.	NP_29102	.	protein_co	ENSG0000	112858	16197
TP53TG3	0	0	0	0	0	0	TP53 target 3 [Source:HGNC Symbol;Acc:HGNC:30759]	chr16:3268	NM_01621	XM_01702	.	.	NP_05729	XP_006721	protein_co	ENSG0000	102724127	30759
TP53TG3B	0	0	0	0	0	0	TP53 target 3B [Source:HGNC Symbol;Acc:HGNC:37202]	chr16:3326	NM_00109	.	.	.	NP_00109	XP_006721	protein_co	ENSG0000	102724127	37202
TP53TG3C	0	0	0	0	0	0	TP53 target 3C [Source:HGNC Symbol;Acc:HGNC:42962]	chr16:3320	NM_00120	XM_01702	.	.	NP_00119	XP_006721	protein_co	ENSG0000	102724127	42962
TP53TG3D	0	0	0	0	0	0	TP53 target 3D [Source:HGNC Symbol;Acc:HGNC:44657]	chr16:3226	NM_00124	.	.	.	NP_00123	XP_006721	protein_co	ENSG0000	102724127	44657

TP53TG3E	0	0	0	0	0	0	TP53 target 3 family member E [Source:HGNC Symbol;Acc:HGNC:	chr16:3320	.	.	.	.	.	XP_006724	protein_co	ENSG0000	102724127	51816
TP53TG3F	0	0	0	0	0	0	TP53 target 3 family member F [Source:HGNC Symbol;Acc:HGNC:	chr16:3268	.	.	.	.	.	XP_006724	protein_co	ENSG0000	102724127	51817
TP53TG5	0	0	0	0	0	0	TP53 target 5 [Source:HGNC Symbol;Acc:HGNC:15856]	chr20:4399	NM_01447	.	.	.	NP_05529	XP_011527	protein_co	ENSG0000	27296	15856
TP63	0	0.033661	0.031394	0.020308	0.020242	0	tumor protein p63 [Source:HGNC Symbol;Acc:HGNC:15979]	chr3:18934	NM_00111	XM_01151	.	.	NP_00110	XP_005247	protein_co	ENSG0000	8626	15979
TP73	6.4943	6.93665	6.17697	6.11649	6.1501	5.8586	tumor protein p73 [Source:HGNC Symbol;Acc:HGNC:12003]	chr1:35690	NM_00112	XM_01154	.	.	NP_00111	XP_011540	protein_co	ENSG0000	7161	12003
TPBG	19.6176	20.6015	16.9603	38.3849	38.2152	32.4337	trophoblast glycoprotein [Source:HGNC Symbol;Acc:HGNC:12004	chr6:83072	NM_00116	XM_01153	.	.	NP_00115	XP_011534	protein_co	ENSG0000	7162	12004
TPBGL	0.235874	0.18278	0.239387	0.100293	0.109748	0.159213	trophoblast glycoprotein-like [Source:HGNC Symbol;Acc:HGNC:44	chr11:7495	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100507050	44159
TPCN1	7.50318	7.67219	9.63401	6.67455	5.76214	6.76152	two pore segment channel 1 [Source:HGNC Symbol;Acc:HGNC:18	chr12:1136	NM_00114	XM_01701	.	.	NP_00113	XP_005253	protein_co	ENSG0000	53373	18182
TPCN2	5.12475	4.66674	5.02481	5.04007	4.395	3.52556	two pore segment channel 2 [Source:HGNC Symbol;Acc:HGNC:20	chr11:6881	NM_13907	XM_01154	.	.	NP_62071	XP_005273	protein_co	ENSG0000	219931	20820
TPD52	35.3643	39.6408	31.1467	38.044	37.7135	34.9233	tumor protein D52 [Source:HGNC Symbol;Acc:HGNC:12005]	chr8:80946	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	7163	12005
TPD52L1	31.0927	31.6441	32.7864	37.238	40.0726	39.3466	tumor protein D52-like 1 [Source:HGNC Symbol;Acc:HGNC:12006	chr6:12547	NM_00100	XM_01153	.	.	NP_00100	XP_005267	protein_co	ENSG0000	7164	12006
TPD52L2	129.524	129.46	111.715	152.962	127.247	115.57	tumor protein D52 like 2 [Source:HGNC Symbol;Acc:HGNC:12007	chr20:6249	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	7165	12007
TPD52L3	0	0	0	0	0	0	tumor protein D52 like 3 [Source:HGNC Symbol;Acc:HGNC:23382	chr9:63283	NM_00100	.	.	.	NP_00100	XP_016870	protein_co	ENSG0000	89882	23382
TPGS1	15.2233	15.5483	15.5839	15.375	12.86	11.5708	tubulin polyglutamylase complex subunit 1 [Source:HGNC Symbo	chr19:5074	NM_03351	.	.	.	NP_27704	.	protein_co	ENSG0000	91978	25058
TPGS2	47.9915	48.6374	44.3433	45.1551	37.9217	40.9134	tubulin polyglutamylase complex subunit 2 [Source:HGNC Symbo	chr18:3387	NM_00127	XM_01152	.	.	NP_00125	XP_005258	protein_co	ENSG0000	25941	24561
TPH1	0.349946	0.431832	0.318343	0.367762	0.609667	0.36585	tryptophan hydroxylase 1 [Source:HGNC Symbol;Acc:HGNC:1200	chr11:1803	NM_00417	.	.	.	NP_00417	.	protein_co	ENSG0000	7166	12008
TPH2	0	0	0	0	0	0	tryptophan hydroxylase 2 [Source:HGNC Symbol;Acc:HGNC:2069	chr12:7233	NM_17335	.	.	XR_001748	NP_77548	.	protein_co	ENSG0000	121278	20692
TPI1	835.385	802.334	726.009	1093.43	891.733	821.841	triosephosphate isomerase 1 [Source:HGNC Symbol;Acc:HGNC:12	chr12:6976	NM_00036	.	.	.	NP_00035	.	protein_co	ENSG0000	7167	12009
TPK1	2.18283	2.42703	3.05834	2.33781	1.78536	2.44746	thiamin pyrophosphokinase 1 [Source:HGNC Symbol;Acc:HGNC:1	chr7:14414	NM_00104	XM_01701	.	.	NP_00103	XP_005250	protein_co	ENSG0000	27010	17358
TPM1	15.65	15.1065	13.9895	15.2035	15.0709	15.0064	tropomyosin 1 (alpha) [Source:HGNC Symbol;Acc:HGNC:12010]	chr15:6333	NM_00036	XM_00672	.	.	NP_00035	XP_005254	protein_co	ENSG0000	7168	12010
TPM2	154.804	142.419	159.92	183.525	149.276	123.202	tropomyosin 2 (beta) [Source:HGNC Symbol;Acc:HGNC:12011]	chr9:35681	NM_00130	.	.	.	NP_00128	XP_016870	protein_co	ENSG0000	7169	12011
TPM3	245.849	242.801	203.463	277.889	258.213	256.341	tropomyosin 3 [Source:HGNC Symbol;Acc:HGNC:12012]	chr1:15412	NM_00104	XM_01150	.	.	NP_00103	XP_006711	protein_co	ENSG0000	7170	12012
TPM4	151.78	143.417	141.405	172.358	168.96	192.637	tropomyosin 4 [Source:HGNC Symbol;Acc:HGNC:12013]	chr19:1617	NM_00114	.	.	.	NP_00113	XP_005260	protein_co	ENSG0000	7171	12013
TPMT	8.0097	7.67503	8.01785	8.75394	8.51387	10.9845	thiopurine S-methyltransferase [Source:HGNC Symbol;Acc:HGNC	chr6:18128	NM_00036	XM_01151	.	.	NP_00035	XP_011513	protein_co	ENSG0000	7172	12014
TPO	0.088911	0.052529	0.051264	0.096409	0	0.029041	thyroid peroxidase [Source:HGNC Symbol;Acc:HGNC:12015]	chr2:14172	NM_00054	XM_01151	.	.	NP_00053	XP_011508	protein_co	ENSG0000	7173	12015
TPP1	26.7156	28.1177	26.5265	23.6008	26.8567	27.2915	tripeptidyl peptidase 1 [Source:HGNC Symbol;Acc:HGNC:2073]	chr11:6633	NM_00039	.	.	.	NP_00038	.	protein_co	ENSG0000	1200	2073
TPP2	14.8054	13.7264	13.6629	11.6923	15.3184	13.7113	tripeptidyl peptidase 2 [Source:HGNC Symbol;Acc:HGNC:12016]	chr13:1032	NM_00329	XM_00525	.	.	NP_00328	XP_005254	protein_co	ENSG0000	7174	12016
TPPP	2.16017	1.82177	2.51969	2.72454	2.18331	2.30438	tubulin polymerization promoting protein [Source:HGNC Symbol;	chr5:65997	NM_00703	XM_01700	.	.	NP_00896	XP_005248	protein_co	ENSG0000	11076	24164
TPPP2	0	0	0	0	0	0	tubulin polymerization promoting protein family member 2 [Sour	chr14:2148	NM_17384	XM_01153	.	.	NP_77624	XP_005267	protein_co	ENSG0000	122664	19293
TPPP3	0.717446	0.644364	0.226843	0.419894	0.706192	0.536319	tubulin polymerization promoting protein family member 3 [Sour	chr16:6742	NM_01596	.	.	.	NP_05704	.	protein_co	ENSG0000	51673	24162
TPR	26.0308	26.2345	27.0018	22.7018	27.2095	26.381	translocated promoter region, nuclear basket protein [Source:HG	chr1:18626	NM_00329	XM_01150	.	.	NP_00328	.	protein_co	ENSG0000	7175	12017
TPRA1	32.8193	29.995	22.7021	26.2667	23.8314	16.2797	transmembrane protein adipocyte associated 1 [Source:HGNC Sy	chr3:12729	NM_00113	XM_01151	.	.	NP_00112	XP_006713	protein_co	ENSG0000	131601	30413
TPRG1	0.867035	0.57843	0.456846	0.291135	0.329778	0.576104	tumor protein p63 regulated 1 [Source:HGNC Symbol;Acc:HGNC:	chr3:18866	NM_19848	XM_01700	.	.	NP_94088	XP_005247	protein_co	ENSG0000	285386	24759
TPRG1L	23.4783	25.5645	31.5302	22.5099	23.8282	23.6939	tumor protein p63 regulated 1 like [Source:HGNC Symbol;Acc:HG	chr1:35415	NM_18275	.	.	.	NP_87742	.	protein_co	ENSG0000	127262	27007
TPRKB	30.2832	32.6745	24.144	47.3264	33.1425	30.3167	TP53RK binding protein [Source:HGNC Symbol;Acc:HGNC:24259]	chr2:73956	NM_01605	XM_01153	.	.	NP_05714	XP_005264	protein_co	ENSG0000	51002	24259
TPRN	9.24261	9.12186	10.5945	12.7983	11.1026	9.47881	taperin [Source:HGNC Symbol;Acc:HGNC:26894]	chr9:14008	NM_00112	.	.	.	NP_00112	.	protein_co	ENSG0000	286262	26894
TPRX1	0	0	0	0	0	0	tetrapeptide repeat homeobox 1 [Source:HGNC Symbol;Acc:HGN	chr19:4830	NM_19847	.	.	.	NP_94088	.	protein_co	ENSG0000	284355	32174
TPSAB1	0	0	0	0	0	0	tryptase alpha/beta 1 [Source:HGNC Symbol;Acc:HGNC:12019]	chr16:1290	NM_00329	.	.	.	NP_00328	.	protein_co	ENSG0000	7177	12019
TPSB2	0	0	0	0	0	0	tryptase beta 2 (gene/pseudogene) [Source:HGNC Symbol;Acc:H	chr16:1278	NM_02416	.	.	.	NP_07707	.	protein_co	ENSG0000	64499	14120
TPSD1	0	0	0	0	0	0	tryptase delta 1 [Source:HGNC Symbol;Acc:HGNC:14118]	chr16:1306	NM_01221	.	.	.	NP_03634	.	protein_co	ENSG0000	23430	14118
TPSG1	0	0	0	0.101534	0	0	tryptase gamma 1 [Source:HGNC Symbol;Acc:HGNC:14134]	chr16:1203	NM_01246	XM_01152	.	.	NP_03659	XP_011520	protein_co	ENSG0000	25823	14134
TPST1	6.95263	6.34823	7.42601	9.63984	8.72523	9.03785	tyrosylprotein sulfotransferase 1 [Source:HGNC Symbol;Acc:HGN	chr7:65670	NM_00359	.	.	.	NP_00358	XP_005250	protein_co	ENSG0000	8460	12020
TPST2	6.2803	6.34431	7.67479	7.52127	8.38047	6.83486	tyrosylprotein sulfotransferase 2 [Source:HGNC Symbol;Acc:HGN	chr22:2691	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	8459	12021
TPT1	1918.71	1760.12	1939.53	1761.08	1644.67	2240.15	tumor protein, translationally-controlled 1 [Source:HGNC Symbol	chr13:4590	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	7178	12022
TPTE	0	0	0	0	0	0	transmembrane phosphatase with tensin homology [Source:HGN	chr21:1090	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	7179	12023
TPTE2	0	0	0	0	0.049024	0	transmembrane phosphoinositide 3-phosphatase and tensin hom	chr13:1999	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	93492	17299
TPX2	66.7318	67.7513	57.1378	98.4295	94.2239	74.1812	TPX2, microtubule nucleation factor [Source:HGNC Symbol;Acc:H	chr20:3032	NM_01211	XM_01152	.	.	NP_03624	XP_011526	protein_co	ENSG0000	22974	1249
TRA2A	63.505	67.9561	54.9118	63.1229	66.6757	65.7263	transformer 2 alpha homolog [Source:HGNC Symbol;Acc:HGNC:1	chr7:23544	NM_00128	XM_01701	.	.	NP_00126	XP_005249	protein_co	ENSG0000	29896	16645
TRA2B	119.222	120.017	103.297	127.36	128.833	107.167	transformer 2 beta homolog (Drosophila) [Source:HGNC Symbol;	chr3:18563	NM_00124	XM_01151	.	.	NP_00123	XP_005247	protein_co	ENSG0000	6434	10781
TRABD	39.8013	42.1465	44.1889	37.5338	31.9713	31.586	TraB domain containing [Source:HGNC Symbol;Acc:HGNC:28805]	chr22:5062	NM_00132	XM_01702	.	XR_001755	NP_00130	XP_006724	protein_co	ENSG0000	80305	28805
TRABD2A	1.74792	1.54123	1.69263	3.4349	3.38326	2.62457	TraB domain containing 2A [Source:HGNC Symbol;Acc:HGNC:270	chr2:85048	NM_00108	XM_00526	.	XR_926226	NP_00107	XP_005264	protein_co	ENSG0000	105374836	27013
TRABD2B	0.049142	0.039946	0.025541	0.075144	0.08971	0.07305	TraB domain containing 2B [Source:HGNC Symbol;Acc:HGNC:442	chr1:48226	NM_00119	XM_00671	.	.	NP_00118	XP_006710	protein_co	ENSG0000	388630	44200
TRADD	12.172	10.8998	12.3432	11.5143	10.8729	11.145	TNFRSF1A associated via death domain [Source:HGNC Symbol;Ac	chr16:6718	NM_00378	XM_01152	.	.	NP_00131	XP_005256	protein_co	ENSG0000	8717	12030
TRAF1	1.07234	1.34669	0.9067	0.779388	0.714344	0.743631	TNF receptor associated factor 1 [Source:HGNC Symbol;Acc:HGN	chr9:12366	NM_00119	.	.	.	NP_00117	.	protein_co	ENSG0000	7185	12031
TRAF2	13.648	13.9291	12.6709	17.7288	14.5619	9.6394	TNF receptor associated factor 2 [Source:HGNC Symbol;Acc:HGN	chr9:13978	NM_02113	XM_01701	.	.	NP_06696	XP_011517	protein_co	ENSG0000	7186	12032
TRAF3	16.4402	18.8189	16.6752	10.7378	12.1152	11.1672	TNF receptor associated factor 3 [Source:HGNC Symbol;Acc:HGN	chr14:1032	NM_00119	XM_01702	.	.	NP_00118	XP_011535	protein_co	ENSG0000	7187	12033
TRAF3IP1	5.56972	5.78287	6.27621	5.87171	5.72111	4.66658	TRAF3 interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:178	chr2:23922	NM_00113	XM_01151	.	.	NP_00113	XP_006712	protein_co	ENSG0000	26146	17861
TRAF3IP2	8.2532	9.00161	8.98697	8.25154	7.54262	7.63552	TRAF3 interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:134	chr6:11187	NM_00116	XM_01153	.	.	NP_00115	XP_006715	protein_co	ENSG0000	10758	1343
TRAF3IP3	0	0	0	0	0	0	TRAF3 interacting protein 3 [Source:HGNC Symbol;Acc:HGNC:307	chr1:20992	NM_00128	XM_01151	.	.	NP_00127	XP_011508	protein_co	ENSG0000	80342	30766

TRAF4	46.912	51.926	48.7313	59.8665	53.192	40.2656	TNF receptor associated factor 4 [Source:HGNC Symbol;Acc:HGN	chr17:2707	NM_00429	XM_01152	.	.	NP_00428	XP_011523	protein_co	ENSG0000	9618	12034
TRAF5	4.91516	4.15425	4.50436	3.22428	4.83561	4.32968	TNF receptor associated factor 5 [Source:HGNC Symbol;Acc:HGN	chr1:21149	NM_00103	XM_01150	.	.	NP_00102	XP_011508	protein_co	ENSG0000	7188	12035
TRAF6	4.32955	4.01362	3.6489	3.02067	4.2935	4.88242	TNF receptor associated factor 6 [Source:HGNC Symbol;Acc:HGN	chr11:3650	NM_00462	.	.	.	NP_00461	.	protein_co	ENSG0000	7189	12036
TRAF7	52.1359	56.5089	56.166	63.1861	56.7604	49.761	TNF receptor associated factor 7 [Source:HGNC Symbol;Acc:HGN	chr16:2205	NM_03227	XM_01152	.	.	NP_11564	XP_005255	protein_co	ENSG0000	84231	20456
TRAFD1	18.4256	17.7841	20.8687	23.2897	20.1795	17.1337	TRAF-type zinc finger domain containing 1 [Source:HGNC Symbol	chr12:1125	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	10906	24808
TRAIP	7.89336	8.94893	7.20859	9.86816	9.7639	6.83091	TRAF interacting protein [Source:HGNC Symbol;Acc:HGNC:30764	chr3:49866	NM_00587	XM_01153	.	.	NP_00587	XP_011531	protein_co	ENSG0000	10293	30764
TRAK1	11.0548	11.7159	13.4729	9.98322	10.4422	12.7906	trafficking kinesin protein 1 [Source:HGNC Symbol;Acc:HGNC:299	chr3:42055	NM_00104	XM_01153	.	.	NP_00103	XP_005265	protein_co	ENSG0000	22906	29947
TRAK2	7.59916	8.04784	7.52494	8.09472	7.99183	8.95641	trafficking kinesin protein 2 [Source:HGNC Symbol;Acc:HGNC:132	chr2:20224	NM_01504	XM_01151	.	.	NP_05586	XP_011509	protein_co	ENSG0000	66008	13206
TRAM1	59.2122	57.6919	57.3161	45.0148	62.0955	67.3868	translocation associated membrane protein 1 [Source:HGNC Sym	chr8:71485	NM_00131	XM_01151	.	.	NP_00130	XP_011515	protein_co	ENSG0000	23471	20568
TRAM1L1	0	0	0	0	0.054221	0	translocation associated membrane protein 1-like 1 [Source:HGN	chr4:11800	NM_15240	.	.	.	NP_68961	.	protein_co	ENSG0000	133022	28371
TRAM2	14.7686	15.6442	13.7821	13.2385	13.7739	11.4121	translocation associated membrane protein 2 [Source:HGNC Sym	chr6:52226	NM_01228	XM_01151	.	.	NP_03642	XP_011513	protein_co	ENSG0000	9697	16855
TRANK1	0.655003	0.617751	0.478981	0.230097	0.277466	0.260834	tetratricopeptide repeat and ankyrin repeat containing 1 [Source	chr3:36868	NM_01483	XM_01700	.	.	NP_05564	XP_006713	protein_co	ENSG0000	9881	29011
TRAP1	114.772	116.115	128.746	152.532	126.924	114.448	TNF receptor associated protein 1 [Source:HGNC Symbol;Acc:HGI	chr16:3692	NM_00127	XM_01152	.	.	NP_00125	XP_011520	protein_co	ENSG0000	10131	16264
TRAPPC1	99.7774	89.6726	109.56	107.66	85.0796	86.9962	trafficking protein particle complex 1 [Source:HGNC Symbol;Acc:	chr17:7833	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	58485	19894
TRAPPC10	11.2912	11.7566	10.6066	11.2638	11.7712	9.85358	trafficking protein particle complex 10 [Source:HGNC Symbol;Acc	chr21:4543	NM_00327	XM_01699	.	.	NP_00326	XP_005261	protein_co	ENSG0000	7109	11868
TRAPPC11	6.40877	7.67678	6.6339	5.90274	7.29016	7.59187	trafficking protein particle complex 11 [Source:HGNC Symbol;Acc	chr4:18458	NM_02194	XM_01153	.	.	NP_06876	XP_016864	protein_co	ENSG0000	60684	25751
TRAPPC12	8.75007	8.56234	9.20268	7.25402	5.89284	6.2659	trafficking protein particle complex 12 [Source:HGNC Symbol;Acc	chr2:33834	NM_00132	XM_01151	.	.	NP_00130	XP_005264	protein_co	ENSG0000	51112	24284
TRAPPC13	8.97295	7.74064	10.0839	8.95625	10.3606	10.6844	trafficking protein particle complex 13 [Source:HGNC Symbol;Acc	chr5:64920	NM_00109	XM_01154	.	.	NP_00108	XP_011541	protein_co	ENSG0000	80006	25828
TRAPPC2	7.95885	7.88365	6.71727	6.17344	6.02001	4.82816	trafficking protein particle complex 2 [Source:HGNC Symbol;Acc:	chrX:13730	NM_00101	XM_01154	.	.	NP_00101	XP_011543	protein_co	ENSG0000	6399	23068
TRAPPC2B	10.1459	8.88552	8.18295	9.93033	8.78537	7.58685	trafficking protein particle complex 2B [Source:HGNC Symbol;Acc	chr19:5787	.	.	.	.	.		protein_co	ENSG0000	.	10710
TRAPPC2L	121.203	133.981	93.8346	140.516	116.557	89.1154	trafficking protein particle complex 2 like [Source:HGNC Symbol;	chr16:8888	NM_00131	XM_00525	.	.	NP_00130	XP_016878	protein_co	ENSG0000	51693	30887
TRAPPC3	66.7397	65.2489	66.5657	76.1988	67.0659	60.8536	trafficking protein particle complex 3 [Source:HGNC Symbol;Acc:	chr1:36602	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	27095	19942
TRAPPC3L	0	0	0	0	0	0	trafficking protein particle complex 3 like [Source:HGNC Symbol;	chr6:11681	NM_00113	.	.	.	NP_00113	.	protein_co	ENSG0000	100128327	21090
TRAPPC4	52.766	53.1453	41.7328	64.4774	49.4758	43.2413	trafficking protein particle complex 4 [Source:HGNC Symbol;Acc:	chr11:1188	NM_01614	.	NR_03742	.	NP_00130	.	protein_co	ENSG0000	100500840	19943
TRAPPC5	75.9085	61.5648	70.9147	87.1627	58.8469	64.8198	trafficking protein particle complex 5 [Source:HGNC Symbol;Acc:	chr19:7741	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	126003	23067
TRAPPC6A	19.8657	17.2525	23.866	17.1464	12.3406	20.6492	trafficking protein particle complex 6A [Source:HGNC Symbol;Acc	chr19:4566	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	79090	23069
TRAPPC6B	9.06594	8.68563	10.3186	8.45524	10.5283	14.6701	trafficking protein particle complex 6B [Source:HGNC Symbol;Acc	chr14:3961	NM_00107	XM_01153	.	.	NP_00107	XP_011534	protein_co	ENSG0000	122553	23066
TRAPPC8	6.52307	6.09727	7.5774	5.74071	9.2185	8.49948	trafficking protein particle complex 8 [Source:HGNC Symbol;Acc:	chr18:2940	NM_01493	XM_01152	.	.	NP_05575	XP_005258	protein_co	ENSG0000	22878	29169
TRAPPC9	5.68501	6.61619	7.66771	5.95206	4.93324	6.50061	trafficking protein particle complex 9 [Source:HGNC Symbol;Acc:	chr8:14074	NM_00116	XM_01151	.	.	NP_00115	XP_005251	protein_co	ENSG0000	83696	30832
TRAT1	0	0	0	0	0	0	T cell receptor associated transmembrane adaptor 1 [Source:HGN	chr3:10854	NM_01638	.	.	.	NP_00130	.	protein_co	ENSG0000	50852	30698
TRDMT1	1.75599	1.96824	2.36851	2.99146	3.33542	3.46953	tRNA aspartic acid methyltransferase 1 [Source:HGNC Symbol;Ac	chr10:1718	NM_00441	XM_01701	.	.	NP_00440	XP_005252	protein_co	ENSG0000	1787	2977
TRDN	0	0	0	0	0	0	triadin [Source:HGNC Symbol;Acc:HGNC:12261]	chr6:12353	NM_00125	XM_01153	.	.	NP_00124	.	protein_co	ENSG0000	10345	12261
TREH	0.02708	0.027229	0.07513	0.04574	0.03096	0.182445	trehalase [Source:HGNC Symbol;Acc:HGNC:12266]	chr11:1184	NM_00130	XM_01154	.	.	NP_00128	.	protein_co	ENSG0000	11181	12266
TREM1	0	0	0	0	0	0	triggering receptor expressed on myeloid cells 1 [Source:HGNC S	chr6:41235	NM_00124	XM_01151	.	.	NP_00122	XP_006715	protein_co	ENSG0000	54210	17760
TREM2	0	0	0	0	0	0.074412	triggering receptor expressed on myeloid cells 2 [Source:HGNC S	chr6:41126	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	54209	17761
TREML1	0	0	0	0	0	0	triggering receptor expressed on myeloid cells like 1 [Source:HGN	chr6:41117	NM_00127	.	.	.	NP_00125	XP_016866	protein_co	ENSG0000	340205	20434
TREML2	0	0	0	0	0	0.0948	triggering receptor expressed on myeloid cells like 2 [Source:HGN	chr6:41158	NM_02480	.	.	.	NP_07908	.	protein_co	ENSG0000	79865	21092
TREML4	0	0	0	0	0.119855	0	triggering receptor expressed on myeloid cells like 4 [Source:HGN	chr6:41196	NM_19815	.	.	.	NP_93779	.	protein_co	ENSG0000	285852	30807
TRERF1	4.05943	3.93126	4.41795	3.97904	4.31874	3.942	transcriptional regulating factor 1 [Source:HGNC Symbol;Acc:HGN	chr6:42192	NM_00129	XM_01701	.	.	NP_00128	XP_006715	protein_co	ENSG0000	55809	18273
TREX1	9.22677	9.78801	9.15068	11.4175	8.52134	5.60447	three prime repair exonuclease 1 [Source:HGNC Symbol;Acc:HGN	chr3:48507	NM_00724	.	.	.	NP_00917	.	protein_co	ENSG0000	11277	12269
TREX2	3.17772	1.87337	1.85011	3.26408	2.30186	2.20374	three prime repair exonuclease 2 [Source:HGNC Symbol;Acc:HGN	chrX:15271	NM_08070	.	.	.	NP_54243	.	protein_co	ENSG0000	11219	12270
TRH	0	0	0	0	0	0	thyrotropin releasing hormone [Source:HGNC Symbol;Acc:HGNC:	chr3:12969	NM_00711	.	.	.	NP_00904	.	protein_co	ENSG0000	7200	12298
TRHDE	0.202862	0.283838	0.259049	0.067143	0.042367	0.027358	thyrotropin releasing hormone degrading enzyme [Source:HGNC	chr12:7266	NM_01338	XM_01153	.	.	NP_03751	XP_011536	protein_co	ENSG0000	29953	30748
TRHR	0	0	0	0	0	0	thyrotropin releasing hormone receptor [Source:HGNC Symbol;A	chr8:11009	NM_00330	XM_01151	.	.	NP_00329	XP_011515	protein_co	ENSG0000	7201	12299
TRIAP1	63.5197	56.7928	60.8368	68.8134	71.8613	50.8974	TP53 regulated inhibitor of apoptosis 1 [Source:HGNC Symbol;Ac	chr12:1208	NM_01639	.	.	.	NP_05748	.	protein_co	ENSG0000	51499	26937
TRIB1	90.569	88.1277	121.717	78.4842	90.2939	91.8894	tribbles pseudokinase 1 [Source:HGNC Symbol;Acc:HGNC:16891]	chr8:12644	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	10221	16891
TRIB2	7.42118	8.18734	9.59027	8.65757	7.29419	9.36146	tribbles pseudokinase 2 [Source:HGNC Symbol;Acc:HGNC:30809]	chr2:12857	NM_02164	.	.	.	NP_06767	.	protein_co	ENSG0000	28951	30809
TRIB3	62.0665	60.8841	25.5659	44.6154	39.6913	155.3	tribbles pseudokinase 3 [Source:HGNC Symbol;Acc:HGNC:16228]	chr20:3612	NM_00130	.	.	.	NP_00128	XP_016883	protein_co	ENSG0000	57761	16228
TRIL	0	0	0	0	0	0	TLR4 interactor with leucine rich repeats [Source:HGNC Symbol;A	chr7:28992	NM_01481	.	.	.	NP_05563	.	protein_co	ENSG0000	9865	22200
TRIM10	0.945842	0.879902	1.37265	0.693119	0.654415	0.690807	tripartite motif containing 10 [Source:HGNC Symbol;Acc:HGNC:1	chr6:30119	NM_00677	XM_01151	.	.	NP_00676	XP_011512	protein_co	ENSG0000	10107	10072
TRIM11	22.6705	23.6949	19.6865	26.5392	25.357	20.2844	tripartite motif containing 11 [Source:HGNC Symbol;Acc:HGNC:1	chr1:22858	NM_14521	XM_01700	NR_10680	.	NP_66021	XP_011542	protein_co	ENSG0000	102465444	16281
TRIM13	17.7997	15.8617	17.0189	20.7195	23.5866	20.3329	tripartite motif containing 13 [Source:HGNC Symbol;Acc:HGNC:9	chr13:5057	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	10206	9976
TRIM14	17.6069	17.9117	17.0972	15.9494	15.0988	11.2054	tripartite motif containing 14 [Source:HGNC Symbol;Acc:HGNC:1	chr9:10081	NM_01478	XM_01151	.	.	NP_05560	XP_005252	protein_co	ENSG0000	9830	16283
TRIM15	5.04567	4.88716	5.81127	3.77306	3.07522	4.35725	tripartite motif containing 15 [Source:HGNC Symbol;Acc:HGNC:1	chr6:30130	NM_03322	XM_01151	.	.	NP_15023	XP_011513	protein_co	ENSG0000	89870	16284
TRIM16	17.098	16.579	10.405	14.752	12.0211	13.9249	tripartite motif containing 16 [Source:HGNC Symbol;Acc:HGNC:1	chr17:1547	NM_00647	.	.	.	NP_00646	.	protein_co	ENSG0000	10626	17241
TRIM16L	7.47191	7.0287	4.59602	7.27499	6.62789	8.31638	tripartite motif containing 16-like [Source:HGNC Symbol;Acc:HGN	chr17:1860	NM_00103	XM_01152	.	.	NP_00103	XP_005256	protein_co	ENSG0000	147166	32670
TRIM17	0.04167	0	0	0	0	0	tripartite motif containing 17 [Source:HGNC Symbol;Acc:HGNC:1	chr1:22859	NM_00102	XM_01154	.	.	NP_00102	XP_006711	protein_co	ENSG0000	51127	13430
TRIM2	6.92715	6.93835	12.072	5.99018	6.17959	11.2328	tripartite motif containing 2 [Source:HGNC Symbol;Acc:HGNC:15	chr4:15407	NM_00113	XM_01700	.	.	NP_00112	XP_006714	protein_co	ENSG0000	23321	15974
TRIM21	9.90809	9.9895	7.74361	13.5017	12.7253	10.0328	tripartite motif containing 21 [Source:HGNC Symbol;Acc:HGNC:1	chr11:4406	NM_00314	XM_00671	.	.	NP_00313	.	protein_co	ENSG0000	6737	11312

TRIM22	0.81213	0.907647	0.666161	0.32237	0.291799	0.119786	tripartite motif containing 22 [Source:HGNC Symbol;Acc:HGNC:16	chr11:5684	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	10346	16379
TRIM23	6.60325	6.76523	7.00147	5.19072	6.12668	6.85064	tripartite motif containing 23 [Source:HGNC Symbol;Acc:HGNC:66	chr5:64885	NM_00165	XM_01700	.	.	NP_00164	XP_016864	protein_co	ENSG0000	373	660
TRIM24	5.5761	6.05559	6.09034	7.54432	8.56346	7.26074	tripartite motif containing 24 [Source:HGNC Symbol;Acc:HGNC:11	chr7:13814	NM_00385	.	.	.	NP_00384	.	protein_co	ENSG0000	8805	11812
TRIM25	52.3442	53.8465	46.5494	48.6773	50.0522	48.6501	tripartite motif containing 25 [Source:HGNC Symbol;Acc:HGNC:12	chr17:5496	NM_00508	.	NR_03740	.	NP_00507	.	protein_co	ENSG0000	100500827	12932
TRIM26	20.0947	19.352	16.7979	21.8795	19.3461	16.6817	tripartite motif containing 26 [Source:HGNC Symbol;Acc:HGNC:12	chr6:30152	NM_00124	XM_01151	.	.	NP_00122	XP_00524	protein_co	ENSG0000	7726	12962
TRIM27	38.0364	40.3337	36.9036	39.0693	35.3711	33.1407	tripartite motif containing 27 [Source:HGNC Symbol;Acc:HGNC:99	chr6:28870	NM_00651	.	.	.	NP_00650	.	protein_co	ENSG0000	5987	9975
TRIM28	293.114	300.818	239.031	418.855	366.105	252.207	tripartite motif containing 28 [Source:HGNC Symbol;Acc:HGNC:16	chr19:5905	NM_00576	.	.	.	NP_00575	.	protein_co	ENSG0000	10155	16384
TRIM29	0.558632	0.407836	0.231015	0.908194	0.667874	0.254401	tripartite motif containing 29 [Source:HGNC Symbol;Acc:HGNC:17	chr11:1199	NM_01210	XM_01154	.	.	NP_03623	XP_005271	protein_co	ENSG0000	23650	17274
TRIM3	3.9087	4.47044	5.20412	4.63879	4.27307	3.84438	tripartite motif containing 3 [Source:HGNC Symbol;Acc:HGNC:10	chr11:6469	NM_00124	XM_01701	.	.	NP_00123	XP_011518	protein_co	ENSG0000	10612	10064
TRIM31	0.030572	0	0	0	0	0	tripartite motif containing 31 [Source:HGNC Symbol;Acc:HGNC:16	chr6:30070	NM_00702	XM_01151	.	.	NP_00895	XP_011512	protein_co	ENSG0000	11074	16289
TRIM32	14.1732	15.5617	16.3133	13.5972	14.5726	12.8645	tripartite motif containing 32 [Source:HGNC Symbol;Acc:HGNC:16	chr9:11918	NM_00109	XM_01701	.	.	NP_00109	XP_005251	protein_co	ENSG0000	22954	16380
TRIM33	11.5779	13.1908	11.726	12.4323	13.7666	12.6309	tripartite motif containing 33 [Source:HGNC Symbol;Acc:HGNC:16	chr1:11493	NM_01590	XM_01154	.	.	NP_05699	XP_005270	protein_co	ENSG0000	51592	16290
TRIM34	2.08506	1.42142	1.61358	1.15139	1.45564	1.1511	tripartite motif containing 34 [Source:HGNC Symbol;Acc:HGNC:10	chr11:5269	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	53840	10063
TRIM35	11.4985	11.0068	11.1175	13.2983	11.5768	9.31189	tripartite motif containing 35 [Source:HGNC Symbol;Acc:HGNC:16	chr8:27142	NM_00130	XM_01154	.	.	NP_00129	XP_005273	protein_co	ENSG0000	23087	16285
TRIM36	3.58383	4.08208	3.93403	2.5212	3.19505	3.58526	tripartite motif containing 36 [Source:HGNC Symbol;Acc:HGNC:16	chr5:11446	NM_00101	.	.	.	NP_00101	XP_016865	protein_co	ENSG0000	55521	16280
TRIM37	16.3917	17.9183	20.1857	18.0333	20.5863	20.8281	tripartite motif containing 37 [Source:HGNC Symbol;Acc:HGNC:75	chr17:5683	NM_00100	XM_01152	.	.	NP_00100	XP_005257	protein_co	ENSG0000	4591	7523
TRIM38	5.74927	4.99979	5.34954	4.69338	4.47947	6.29654	tripartite motif containing 38 [Source:HGNC Symbol;Acc:HGNC:10	chr6:25963	NM_00635	XM_00524	.	.	NP_00634	XP_005248	protein_co	ENSG0000	10475	10059
TRIM39	4.44025	4.44349	3.97353	4.54459	4.58066	5.00915	tripartite motif containing 39 [Source:HGNC Symbol;Acc:HGNC:10	chr6:30294	NM_02125	.	.	.	NP_06707	.	protein_co	ENSG0000	202658	10065
TRIM39-RPP21	7.12E-16	1.35E-57	0.356958	1.29E-78	4.69E-22	4.5E-99	TRIM39-RPP21 readthrough [Source:HGNC Symbol;Acc:HGNC:38	chr6:30294	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	202658	38845
TRIM4	13.8971	13.7524	14.505	13.507	12.9003	16.4198	tripartite motif containing 4 [Source:HGNC Symbol;Acc:HGNC:16	chr7:99488	NM_03301	.	.	.	NP_14897	.	protein_co	ENSG0000	89122	16275
TRIM40	0	0	0	0.047081	0	0	tripartite motif containing 40 [Source:HGNC Symbol;Acc:HGNC:18	chr6:30103	NM_00128	XM_01151	.	.	NP_00127	XP_011512	protein_co	ENSG0000	135644	18736
TRIM41	15.4302	15.754	19.0392	12.9455	12.2617	15.1373	tripartite motif containing 41 [Source:HGNC Symbol;Acc:HGNC:19	chr5:18065	NM_03354	XM_00671	.	.	NP_29102	XP_006714	protein_co	ENSG0000	90933	19013
TRIM42	0	0	0	0	0	0	tripartite motif containing 42 [Source:HGNC Symbol;Acc:HGNC:19	chr3:14039	NM_15261	.	.	.	NP_68982	XP_011511	protein_co	ENSG0000	287015	19014
TRIM43	0	0	0	0	0	0	tripartite motif containing 43 [Source:HGNC Symbol;Acc:HGNC:19	chr2:96257	NM_00116	XM_01151	.	.	NP_00115	XP_006712	protein_co	ENSG0000	653192	19015
TRIM44	8.11019	8.07661	7.65269	5.30516	6.38038	5.4106	tripartite motif containing 44 [Source:HGNC Symbol;Acc:HGNC:19	chr11:3568	NM_01758	.	.	.	NP_06005	.	protein_co	ENSG0000	54765	19016
TRIM45	1.8974	2.03634	1.68878	1.55589	2.04143	2.45786	tripartite motif containing 45 [Source:HGNC Symbol;Acc:HGNC:19	chr1:11765	NM_00114	XM_01154	.	.	NP_00113	XP_011540	protein_co	ENSG0000	80263	19018
TRIM46	1.65714	1.78181	1.73436	1.18833	1.73886	1.1108	tripartite motif containing 46 [Source:HGNC Symbol;Acc:HGNC:19	chr1:15514	NM_00125	XM_01151	NR_04632	XR_001737	NP_00124	XP_011508	protein_co	ENSG0000	80128	19019
TRIM47	35.8886	40.0732	41.9941	44.0902	38.9664	35.0124	tripartite motif containing 47 [Source:HGNC Symbol;Acc:HGNC:19	chr17:7387	NM_03345	XM_00525	.	.	NP_25841	XP_005257	protein_co	ENSG0000	91107	19020
TRIM48	0	0	0	0	0	0	tripartite motif containing 48 [Source:HGNC Symbol;Acc:HGNC:19	chr11:5502	NM_02411	.	.	.	NP_07701	.	protein_co	ENSG0000	79097	19021
TRIM49	0	0	0	0	0	0	tripartite motif containing 49 [Source:HGNC Symbol;Acc:HGNC:13	chr11:8953	NM_02035	.	.	.	NP_06509	XP_016873	protein_co	ENSG0000	642612	13431
TRIM49B	0	0	0	0	0	0	tripartite motif containing 49B [Source:HGNC Symbol;Acc:HGNC:4	chr11:4904	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	283116	42955
TRIM49C	0	0	0	0	0	0	tripartite motif containing 49C [Source:HGNC Symbol;Acc:HGNC:3	chr11:8976	NM_00119	XM_01154	.	.	NP_00118	XP_011541	protein_co	ENSG0000	642612	38877
TRIM49D1	0	0	0	0	0	0	tripartite motif containing 49D1 [Source:HGNC Symbol;Acc:HGNC	chr11:8964	NM_00120	XM_01154	.	.	NP_00119	XP_011541	protein_co	ENSG0000	399939	43973
TRIM49D2	0	0	0	0	0	0	tripartite motif containing 49D2 [Source:HGNC Symbol;Acc:HGNC	chr11:8965	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	729384	37217
TRIM5	11.9388	10.7171	11.5881	11.5598	13.0782	8.81546	tripartite motif containing 5 [Source:HGNC Symbol;Acc:HGNC:16	chr11:5684	NM_03303	XM_01152	.	.	NP_14902	XP_005253	protein_co	ENSG0000	85363	16276
TRIM50	0	0.054985	0.097241	0	0.052929	0.064394	tripartite motif containing 50 [Source:HGNC Symbol;Acc:HGNC:19	chr7:72726	NM_00128	XM_01151	.	.	NP_00126	XP_011514	protein_co	ENSG0000	135892	19017
TRIM51	0	0	0	0	0	0	tripartite motif-containing 51 [Source:HGNC Symbol;Acc:HGNC:19	chr11:5565	NM_03268	.	.	.	NP_11607	.	protein_co	ENSG0000	84767	19023
TRIM52	2.71759	2.86868	2.33196	2.03677	2.42321	2.11686	tripartite motif containing 52 [Source:HGNC Symbol;Acc:HGNC:19	chr5:18068	NM_03276	.	.	.	NP_11615	XP_005266	protein_co	ENSG0000	84851	19024
TRIM54	0.878312	0.865731	1.29996	0.747647	0.771728	0.885869	tripartite motif containing 54 [Source:HGNC Symbol;Acc:HGNC:16	chr2:27505	NM_03254	.	.	.	NP_11593	.	protein_co	ENSG0000	57159	16008
TRIM55	0.058639	0.151926	0.256875	0.198204	0.161921	0.07306	tripartite motif containing 55 [Source:HGNC Symbol;Acc:HGNC:14	chr8:67039	NM_03305	XM_01151	.	.	NP_14904	XP_005251	protein_co	ENSG0000	84675	14215
TRIM56	5.4667	5.80714	5.10058	4.34824	4.43057	5.43953	tripartite motif containing 56 [Source:HGNC Symbol;Acc:HGNC:19	chr7:10072	NM_03096	XM_01151	.	.	NP_11222	XP_011514	protein_co	ENSG0000	81844	19028
TRIM58	0	0	0	0	0	0	tripartite motif containing 58 [Source:HGNC Symbol;Acc:HGNC:24	chr1:24802	NM_01543	.	.	.	NP_05624	.	protein_co	ENSG0000	25893	24150
TRIM59	12.1704	11.7023	11.6379	12.8042	16.2362	17.5592	tripartite motif containing 59 [Source:HGNC Symbol;Acc:HGNC:30	chr3:15997	NM_17308	.	.	.	NP_77510	.	protein_co	ENSG0000	286827	30834
TRIM6	2.82538	2.79265	2.56729	3.50392	3.41943	3.6912	tripartite motif containing 6 [Source:HGNC Symbol;Acc:HGNC:16	chr11:5269	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	117854	16277
TRIM60	0	0	0	0	0	0	tripartite motif containing 60 [Source:HGNC Symbol;Acc:HGNC:21	chr4:16595	NM_00125	XM_01153	.	.	NP_00124	XP_011529	protein_co	ENSG0000	166655	21162
TRIM61	0	0	0	0	0	0	tripartite motif containing 61 [Source:HGNC Symbol;Acc:HGNC:24	chr4:16587	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	391712	24339
TRIM62	2.63662	3.05267	4.1949	2.67874	2.48094	2.56866	tripartite motif containing 62 [Source:HGNC Symbol;Acc:HGNC:25	chr1:33611	NM_01820	XM_01154	.	.	NP_06067	XP_011540	protein_co	ENSG0000	55223	25574
TRIM63	0	0	0	0	0	0	tripartite motif containing 63 [Source:HGNC Symbol;Acc:HGNC:16	chr1:26377	NM_03258	.	.	.	NP_11597	XP_016858	protein_co	ENSG0000	84676	16007
TRIM64	0	0	0	0	0	0	tripartite motif containing 64 [Source:HGNC Symbol;Acc:HGNC:14	chr11:8970	NM_00113	XM_01154	.	.	NP_00112	XP_011540	protein_co	ENSG0000	120146	14663
TRIM64B	0	0	0	0	0	0	tripartite motif containing 64B [Source:HGNC Symbol;Acc:HGNC:3	chr11:8960	NM_00116	XM_01154	.	.	NP_00115	XP_011541	protein_co	ENSG0000	642446	37147
TRIM64C	0	0	0	0	0	0	tripartite motif containing 64C [Source:HGNC Symbol;Acc:HGNC:3	chr11:4907	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	646754	37148
TRIM65	24.8134	24.6208	26.1463	24.4666	21.9151	25.2334	tripartite motif containing 65 [Source:HGNC Symbol;Acc:HGNC:27	chr17:7388	NM_00125	XM_01152	.	.	NP_00124	XP_006721	protein_co	ENSG0000	201292	27316
TRIM66	3.80368	3.43742	4.14372	2.91511	3.00253	3.5009	tripartite motif containing 66 [Source:HGNC Symbol;Acc:HGNC:29	chr11:8633	NM_01481	XM_01701	.	.	NP_05563	XP_006718	protein_co	ENSG0000	9866	29005
TRIM67	0	0	0.03982	0.030422	0.02113	0	tripartite motif containing 67 [Source:HGNC Symbol;Acc:HGNC:31	chr1:23129	NM_00100	XM_01154	.	.	NP_00100	XP_011542	protein_co	ENSG0000	440730	31859
TRIM68	3.81951	4.36767	3.47295	4.34114	4.02671	4.13686	tripartite motif containing 68 [Source:HGNC Symbol;Acc:HGNC:21	chr11:4619	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	55128	21161
TRIM69	1.65294	2.18494	1.5757	2.4245	1.73846	1.64341	tripartite motif containing 69 [Source:HGNC Symbol;Acc:HGNC:17	chr15:4502	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	140691	17857
TRIM6-TRIM34	2.24E-05	2.66E-07	2.8E-11	5.6E-05	1.42E-16	2.78E-06	TRIM6-TRIM34 readthrough [Source:HGNC Symbol;Acc:HGNC:33	chr11:5269	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	445372	33440
TRIM7	23.864	23.1743	19.851	22.6667	20.7988	16.5263	tripartite motif containing 7 [Source:HGNC Symbol;Acc:HGNC:16	chr5:18062	NM_03334	.	.	.	NP_20312	XP_016865	protein_co	ENSG0000	81786	16278
TRIM71	0.020541	0	0.008861	0	0.011498	0.020545	tripartite motif containing 71 [Source:HGNC Symbol;Acc:HGNC:32	chr3:32859	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	131405	32669

TRIM72	15.3506	15.111	15.2079	19.5637	16.2927	15.3728	tripartite motif containing 72 [Source:HGNC Symbol;Acc:HGNC:32	chr16:3122	NM_00100	.	.	.	NP_001008	.	protein_co	ENSG0000	493829	32671
TRIM73	0.606632	0.29712	0.367941	0.188344	0.500736	0.207011	tripartite motif containing 73 [Source:HGNC Symbol;Acc:HGNC:18	chr7:75024	NM_19892	.	.	.	NP_944606	.	protein_co	ENSG0000	375593	18162
TRIM74	0.539973	0.182767	0.946043	0.369064	0.202283	0.530546	tripartite motif containing 74 [Source:HGNC Symbol;Acc:HGNC:17	chr7:72430	NM_00131	XM_01151	.	.	NP_001304	XP_006716	protein_co	ENSG0000	378108	17453
TRIM77	0	0	0	0	0	0	tripartite motif containing 77 [Source:HGNC Symbol;Acc:HGNC:34	chr11:8944	NM_00114	.	.	.	NP_001139	.	protein_co	ENSG0000	390231	34228
TRIM8	41.1666	44.5856	41.1945	28.2284	27.1223	29.4052	tripartite motif containing 8 [Source:HGNC Symbol;Acc:HGNC:155	chr10:1044	NM_03091	XM_01154	.	.	NP_112174	.	protein_co	ENSG0000	81603	15579
TRIM9	1.6632	1.67251	1.51929	1.20433	1.53414	1.4681	tripartite motif containing 9 [Source:HGNC Symbol;Acc:HGNC:162	chr14:5144	NM_01516	XM_01702	.	.	NP_055978	XP_005267	protein_co	ENSG0000	114088	16288
TRIML1	0	0	0	0	0	0	tripartite motif family like 1 [Source:HGNC Symbol;Acc:HGNC:266	chr4:18906	NM_17855	XM_01153	.	.	NP_848651	XP_006714	protein_co	ENSG0000	339976	26698
TRIML2	8.94695	8.73271	4.74721	5.30132	5.7813	4.15439	tripartite motif family like 2 [Source:HGNC Symbol;Acc:HGNC:263	chr4:18901	NM_00130	XM_01700	.	.	NP_001290	XP_011530	protein_co	ENSG0000	205860	26378
TRIO	10.3051	11.1014	10.7156	9.0367	7.59668	9.40725	trio Rho guanine nucleotide exchange factor [Source:HGNC Symb	chr5:14143	NM_00711	XM_01700	.	.	NP_009049	XP_011512	protein_co	ENSG0000	7204	12303
TRIOBP	50.6812	52.3536	88.8681	44.0072	34.9467	56.3577	TRIO and F-actin binding protein [Source:HGNC Symbol;Acc:HGN	chr22:3809	NM_00103	.	.	.	NP_001034	.	protein_co	ENSG0000	11078	17009
TRIP10	49.3908	49.5162	42.7843	52.4758	43.8759	42.1588	thyroid hormone receptor interactor 10 [Source:HGNC Symbol;Ac	chr19:6737	NM_00128	XM_00672	.	.	NP_001275	XP_006723	protein_co	ENSG0000	9322	12304
TRIP11	3.8759	3.85849	4.09261	2.97236	4.2643	4.22287	thyroid hormone receptor interactor 11 [Source:HGNC Symbol;Ac	chr14:9243	NM_00132	XM_00672	.	.	NP_001308	XP_016877	protein_co	ENSG0000	9321	12305
TRIP12	32.4508	32.5831	30.7308	29.3043	34.6999	31.2879	thyroid hormone receptor interactor 12 [Source:HGNC Symbol;Ac	chr2:23062	NM_00128	XM_01700	.	.	NP_001271	XP_005247	protein_co	ENSG0000	9320	12306
TRIP13	25.866	27.1696	23.1104	30.434	25.9614	19.2225	thyroid hormone receptor interactor 13 [Source:HGNC Symbol;Ac	chr5:86423	NM_00423	XM_01151	.	.	NP_004228	XP_011512	protein_co	ENSG0000	9319	12307
TRIP4	12.5319	10.1557	11.0621	12.3494	12.4398	12.9608	thyroid hormone receptor interactor 4 [Source:HGNC Symbol;Acc	chr15:6468	NM_01621	XM_00525	.	.	NP_057297	.	protein_co	ENSG0000	9325	12310
TRIP6	83.5853	78.9074	57.9998	88.9292	74.3586	50.7605	thyroid hormone receptor interactor 6 [Source:HGNC Symbol;Acc	chr7:10046	NM_00330	XM_01151	NR_10693	.	NP_003293	XP_011514	protein_co	ENSG0000	102466755	12311
TRIQK	6.91754	5.92546	6.60183	5.79597	5.90742	8.14547	triple QxxK/R motif containing [Source:HGNC Symbol;Acc:HGNC:2	chr8:93895	NM_00117	XM_01701	.	.	NP_001165	XP_011515	protein_co	ENSG0000	286144	27828
TRIT1	17.3041	17.4181	16.0519	17.07	16.4283	15.8532	tRNA isopentenyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:2	chr1:40306	NM_00131	XM_00671	.	.	NP_001299	XP_005271	protein_co	ENSG0000	54802	20286
TRMO	6.70026	6.34334	4.76136	8.23729	6.2167	5.42424	tRNA methyltransferase O [Source:HGNC Symbol;Acc:HGNC:3096	chr9:10066	NM_01648	XM_01151	.	.	NP_057565	XP_005252	protein_co	ENSG0000	51531	30967
TRMT1	41.087	42.8126	34.7651	47.5393	41.002	24.7189	tRNA methyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:2598	chr19:1321	NM_00113	XM_01702	.	.	NP_001129	XP_005260	protein_co	ENSG0000	55621	25980
TRMT10A	4.77762	4.79192	3.82708	6.79558	6.75043	5.9422	tRNA methyltransferase 10A [Source:HGNC Symbol;Acc:HGNC:28	chr4:10046	NM_00113	XM_00671	.	.	NP_001128	XP_005263	protein_co	ENSG0000	93587	28403
TRMT10B	2.758	2.8785	2.78266	1.46883	1.19472	1.13385	tRNA methyltransferase 10B [Source:HGNC Symbol;Acc:HGNC:26	chr9:37753	NM_00128	XM_01151	.	.	NP_001273	XP_005251	protein_co	ENSG0000	158234	26454
TRMT10C	39.8274	38.5277	37.1476	39.2202	49.8065	38.2168	tRNA methyltransferase 10C, mitochondrial RNase P subunit [Sou	chr3:10128	NM_01781	.	.	.	NP_060289	.	protein_co	ENSG0000	54931	26022
TRMT11	18.1493	14.9737	27.7487	12.5868	15.6114	19.2964	tRNA methyltransferase 11 homolog [Source:HGNC Symbol;Acc:H	chr6:12630	NM_00103	.	.	.	NP_001026	.	protein_co	ENSG0000	60487	21080
TRMT112	303.714	271.822	260.87	423.116	347.174	352.329	tRNA methyltransferase 11-2 homolog (S. cerevisiae) [Source:HG	chr11:6407	NM_00128	.	.	.	NP_001273	.	protein_co	ENSG0000	51504	26940
TRMT12	13.1304	11.0576	12.7903	16.7746	16.5448	13.1089	tRNA methyltransferase 12 homolog [Source:HGNC Symbol;Acc:H	chr8:12546	NM_01795	.	.	.	NP_060426	.	protein_co	ENSG0000	55039	26091
TRMT13	7.54316	9.05972	6.41572	7.4321	6.41569	6.70764	tRNA methyltransferase 13 homolog [Source:HGNC Symbol;Acc:H	chr1:10059	NM_01908	XM_00527	.	.	NP_061956	XP_005271	protein_co	ENSG0000	54482	25502
TRMT1L	8.22234	8.45183	7.62892	7.67538	9.44781	9.37363	tRNA methyltransferase 1 like [Source:HGNC Symbol;Acc:HGNC:1	chr1:18508	NM_00120	XM_01151	.	.	NP_001189	XP_011508	protein_co	ENSG0000	81627	16782
TRMT2A	19.4144	20.2509	19.278	19.2729	18.3627	13.7011	tRNA methyltransferase 2 homolog A [Source:HGNC Symbol;Acc:	chr22:2006	NM_00125	XM_01153	.	.	NP_001244	XP_011528	protein_co	ENSG0000	27037	24974
TRMT2B	4.11538	3.55959	3.7995	4.00179	4.63185	3.62432	tRNA methyltransferase 2 homolog B [Source:HGNC Symbol;Acc:	chrX:10026	NM_00116	XM_01153	.	.	NP_001161	XP_005262	protein_co	ENSG0000	79979	25748
TRMT44	6.41459	5.67592	6.62168	7.21508	6.44073	5.00904	tRNA methyltransferase 44 homolog (S. cerevisiae) [Source:HGN	chr4:83680	NM_15254	XM_01151	.	.	NP_689757	XP_005248	protein_co	ENSG0000	152992	26653
TRMT5	9.65714	8.45145	9.24364	9.3024	9.39523	8.91066	tRNA methyltransferase 5 [Source:HGNC Symbol;Acc:HGNC:2314	chr14:6143	NM_02081	XM_00526	.	.	NP_065861	XP_005267	protein_co	ENSG0000	57570	23141
TRMT6	10.6399	10.7417	10.0447	9.9596	11.0808	9.34794	tRNA methyltransferase 6 [Source:HGNC Symbol;Acc:HGNC:2090	chr20:5918	NM_00128	.	.	.	NP_001268	XP_016883	protein_co	ENSG0000	51605	20900
TRMT61A	12.4958	11.78	9.06053	12.916	8.87255	5.3209	tRNA methyltransferase 61A [Source:HGNC Symbol;Acc:HGNC:23	chr14:1039	NM_15230	.	.	.	NP_689520	.	protein_co	ENSG0000	115708	23790
TRMT61B	8.2482	7.7196	8.94362	7.89268	8.39137	7.02889	tRNA methyltransferase 61B [Source:HGNC Symbol;Acc:HGNC:26	chr2:29033	NM_01791	XM_01700	.	.	NP_060380	XP_005264	protein_co	ENSG0000	55006	26070
TRMU	15.5838	17.1252	15.4184	18.1883	15.2438	11.4602	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase [S	chr22:4673	NM_00128	XM_01153	.	.	NP_001269	XP_005261	protein_co	ENSG0000	55687	25481
TRNAU1AP	10.8982	9.88732	9.04195	10.615	7.51931	9.61881	tRNA selenocysteine 1 associated protein 1 [Source:HGNC Symbo	chr1:28879	NM_01784	.	.	.	NP_060316	.	protein_co	ENSG0000	54952	30813
TRNP1	32.5928	34.2864	60.4783	16.0758	17.059	28.0361	TMF1-regulated nuclear protein 1 [Source:HGNC Symbol;Acc:HGN	chr1:27320	NM_00101	XM_00524	.	.	NP_001013	XP_005245	protein_co	ENSG0000	388610	34348
TRNT1	10.9509	12.3307	12.3069	12.4409	16.8392	11.0763	tRNA nucleotidyl transferase 1 [Source:HGNC Symbol;Acc:HGNC:1	chr3:31685	NM_00130	XM_01153	.	.	NP_001289	XP_005265	protein_co	ENSG0000	51095	17341
TRO	0	0	0.037567	0	0	0	trophinin [Source:HGNC Symbol;Acc:HGNC:12326]	chrX:54946	NM_00103	XM_01702	.	.	NP_001034	XP_006724	protein_co	ENSG0000	7216	12326
TROAP	49.9826	49.2862	36.3584	66.9404	56.4938	40.1453	trophinin associated protein [Source:HGNC Symbol;Acc:HGNC:12	chr12:4971	NM_00110	XM_01153	.	.	NP_001094	XP_006719	protein_co	ENSG0000	10024	12327
TROVE2	14.4948	15.4788	18.8047	17.6716	22.4252	26.6669	TROVE domain family member 2 [Source:HGNC Symbol;Acc:HGN	chr1:19298	NM_00104	XM_01150	.	.	NP_001035	XP_006711	protein_co	ENSG0000	6738	11313
TRPA1	0	0	0	0	0	0	transient receptor potential cation channel subfamily A member	chr8:72933	NM_00733	XM_01151	.	.	NP_015628	XP_011515	protein_co	ENSG0000	8989	497
TRPC1	1.43437	1.6372	1.36488	1.21745	1.21319	1.16502	transient receptor potential cation channel subfamily C member	chr3:14244	NM_00125	XM_00524	.	.	NP_001238	XP_005247	protein_co	ENSG0000	7220	12333
TRPC3	0.070439	0.093402	0.303744	0.393114	0.369805	0.429454	transient receptor potential cation channel subfamily C member	chr4:12280	NM_00113	XM_01153	.	.	NP_001124	XP_011530	protein_co	ENSG0000	7222	12335
TRPC4	0	0	0	0	0	0	transient receptor potential cation channel subfamily C member	chr13:3821	NM_00113	XM_01702	.	.	NP_001129	XP_016876	protein_co	ENSG0000	7223	12336
TRPC4AP	29.6311	30.3792	29.7087	27.3434	25.0592	23.5002	transient receptor potential cation channel subfamily C member	chr20:3356	NM_01563	XM_01152	.	.	NP_056453	XP_011527	protein_co	ENSG0000	26133	16181
TRPC5	0	0	0	0	0	0	transient receptor potential cation channel subfamily C member	chrX:11101	NM_01247	.	.	.	NP_036603	XP_016885	protein_co	ENSG0000	7224	12337
TRPC5OS	0.120854	0.032685	0.096856	0.034718	0.066431	0	TRPC5 opposite strand [Source:HGNC Symbol;Acc:HGNC:40593]	chrX:11101	NM_00119	XM_01153	.	.	NP_001182	XP_011529	protein_co	ENSG0000	100329135	40593
TRPC6	0.017264	0	0	0	0	0	transient receptor potential cation channel subfamily C member	chr11:1013	NM_00462	XM_01154	.	.	NP_004612	XP_011541	protein_co	ENSG0000	7225	12338
TRPC7	0	0	0	0	0	0	transient receptor potential cation channel subfamily C member	chr5:13554	NM_00116	XM_01154	.	.	NP_001161	.	protein_co	ENSG0000	57113	20754
TRPM1	0	0.011215	0.00944	0	0	0	transient receptor potential cation channel subfamily M member	chr15:3129	NM_00125	.	.	.	NP_001238	.	protein_co	ENSG0000	4308	7146
TRPM2	35.0236	32.4765	26.3978	44.1243	34.6685	21.4303	transient receptor potential cation channel subfamily M member	chr21:4577	NM_00330	XM_01152	.	.	NP_001307	XP_005261	protein_co	ENSG0000	7226	12339
TRPM3	0	0	0	0	0	0	transient receptor potential cation channel subfamily M member	chr9:73143	NM_00100	XM_01701	.	.	NP_001007	XP_011517	protein_co	ENSG0000	80036	17992
TRPM4	10.9911	8.9524	10.6388	10.488	10.2893	8.01588	transient receptor potential cation channel subfamily M member	chr19:4966	NM_00119	XM_01152	.	.	NP_001182	.	protein_co	ENSG0000	54795	17993
TRPM5	0.020461	0	0.019316	0	0.026498	0.025402	transient receptor potential cation channel subfamily M member	chr11:2425	NM_01455	XM_01152	.	.	NP_055370	XP_016873	protein_co	ENSG0000	29850	14323
TRPM6	0.216528	0.414804	0.314404	0.370092	0.376343	0.353564	transient receptor potential cation channel subfamily M member	chr9:77337	NM_00117	XM_01151	.	.	NP_001170	XP_011516	protein_co	ENSG0000	140803	17995
TRPM7	8.05124	7.94738	9.9013	6.16204	8.92101	10.5008	transient receptor potential cation channel subfamily M member	chr15:5084	NM_00130	XM_01702	.	.	NP_001288	XP_005254	protein_co	ENSG0000	54822	17994
TRPM8	0.17398	0.097728	0.299373	0.238656	0.155089	0.141174	transient receptor potential cation channel subfamily M member	chr2:23482	NM_02408	XM_01151	.	.	NP_076985	XP_011510	protein_co	ENSG0000	79054	17961

TRPS1	0	0	0	0	0	0	transcriptional repressor GATA binding 1 [Source:HGNC Symbol;A	chr8:11642	NM_00128	XM_01151	.	.	NP_00126	XP_005251	protein_co	ENSG0000	7227	12340
TRPT1	23.7919	20.5106	26.6549	21.749	15.4054	13.8952	tRNA phosphotransferase 1 [Source:HGNC Symbol;Acc:HGNC:20	chr11:6397	NM_00103	XM_01701	.	.	NP_00102	XP_005274	protein_co	ENSG0000	83707	20316
TRPV1	2.92786	2.99327	2.42559	3.10355	2.98828	2.10625	transient receptor potential cation channel subfamily V member	chr17:3468	NM_01872	.	.	.	NP_06119	.	protein_co	ENSG0000	7442	12716
TRPV2	0.78633	0.501668	0.507155	0.604069	0.486772	0.491565	transient receptor potential cation channel subfamily V member	chr17:1631	NM_01611	XM_01152	.	.	NP_05719	XP_005256	protein_co	ENSG0000	51393	18082
TRPV3	0.668888	0.679465	0.65416	0.778178	0.664456	0.573462	transient receptor potential cation channel subfamily V member	chr17:3343	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	162514	18084
TRPV4	0.236063	0.163495	0.435281	0.354545	0.314019	0.364529	transient receptor potential cation channel subfamily V member	chr12:1102	NM_00117	XM_01153	.	.	NP_00117	XP_005253	protein_co	ENSG0000	59341	18083
TRPV5	0	0	0	0	0	0	transient receptor potential cation channel subfamily V member	chr7:14260	NM_01984	.	.	.	NP_06281	.	protein_co	ENSG0000	56302	3145
TRPV6	0.600786	0.623828	0.323253	0.537419	0.375815	0.763573	transient receptor potential cation channel subfamily V member	chr7:14256	NM_01864	.	.	.	NP_06111	.	protein_co	ENSG0000	55503	14006
TRRAP	12.6175	13.5013	13.2703	11.8838	12.5459	11.7272	transformation/transcription domain associated protein [Source:	chr7:98476	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	8295	12347
TRUB1	18.1124	22.2004	18.9711	24.688	23.9644	27.922	TruB pseudouridine synthase family member 1 [Source:HGNC Syr	chr10:1166	NM_13916	XM_01153	.	.	NP_63190	.	protein_co	ENSG0000	142940	16060
TRUB2	10.9832	10.9318	11.7711	11.2641	8.93529	7.4131	TruB pseudouridine synthase family member 2 [Source:HGNC Syr	chr9:13106	NM_01567	.	.	.	NP_05649	.	protein_co	ENSG0000	26995	17170
TSACC	4.51363	2.14758	1.87321	5.64789	4.33331	2.69406	TSSK6 activating cochaperone [Source:HGNC Symbol;Acc:HGNC:3	chr1:15627	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	128229	30636
TSC1	6.03538	6.25478	5.63197	4.50665	4.84635	5.09668	tuberous sclerosis 1 [Source:HGNC Symbol;Acc:HGNC:12362]	chr9:13576	NM_00036	XM_01701	.	.	NP_00035	XP_005272	protein_co	ENSG0000	7248	12362
TSC2	8.19757	9.61547	9.21179	8.72098	7.89947	5.8201	tuberous sclerosis 2 [Source:HGNC Symbol;Acc:HGNC:12363]	chr16:2089	NM_00054	XM_01702	.	.	NP_00053	XP_005255	protein_co	ENSG0000	7249	12363
TSC22D1	162.245	157.308	168.703	139.626	147.481	185.375	TSC22 domain family member 1 [Source:HGNC Symbol;Acc:HGNC	chr13:4500	NM_00124	.	.	.	NP_00123	XP_005266	protein_co	ENSG0000	8848	16826
TSC22D2	2.60774	3.08292	2.86054	2.56522	3.22364	2.86041	TSC22 domain family member 2 [Source:HGNC Symbol;Acc:HGNC	chr3:15012	NM_01477	.	.	.	NP_00129	.	protein_co	ENSG0000	9819	29095
TSC22D3	10.9713	10.0335	6.25256	5.61106	5.29251	16.4799	TSC22 domain family member 3 [Source:HGNC Symbol;Acc:HGNC	chrX:10695	NM_00101	XM_01702	.	.	NP_00101	XP_005262	protein_co	ENSG0000	1831	3051
TSC22D4	14.7656	16.0214	15.913	17.9364	13.8448	12.3491	TSC22 domain family member 4 [Source:HGNC Symbol;Acc:HGNC	chr7:10006	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	81628	21696
TSEN15	20.7193	17.6545	14.7135	16.0828	20.3787	36.4568	tRNA splicing endonuclease subunit 15 [Source:HGNC Symbol;Ac	chr1:18402	NM_00112	.	.	.	NP_00112	XP_006711	protein_co	ENSG0000	116461	16791
TSEN2	10.8591	10.7952	11.0913	11.3229	10.9384	9.73787	tRNA splicing endonuclease subunit 2 [Source:HGNC Symbol;Acc:	chr3:12525	NM_00114	XM_00526	.	.	NP_00113	XP_005265	protein_co	ENSG0000	80746	28422
TSEN34	95.2946	97.4542	107.01	119.473	95.0096	85.4649	tRNA splicing endonuclease subunit 34 [Source:HGNC Symbol;Ac	chr19:5469	NM_00107	XM_01152	.	.	NP_00107	XP_005278	protein_co	ENSG0000	79042	15506
TSEN54	38.0524	41.6988	38.2757	48.7139	38.8159	28.0972	tRNA splicing endonuclease subunit 54 [Source:HGNC Symbol;Ac	chr17:7351	NM_20734	XM_01152	.	.	NP_99722	XP_005257	protein_co	ENSG0000	283989	27561
TSFM	40.2773	39.9222	34.0405	44.9497	37.0484	30.4143	Ts translation elongation factor, mitochondrial [Source:HGNC Syr	chr12:5817	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	10102	12367
TSG101	34.3711	32.2751	37.5117	39.7091	39.2727	49.7508	tumor susceptibility 101 [Source:HGNC Symbol;Acc:HGNC:15971	chr11:1847	NM_00629	XM_00525	.	.	NP_00628	XP_005253	protein_co	ENSG0000	7251	15971
TSGA10	0.665136	0.459383	0.863996	0.412006	0.778852	0.780632	testis specific 10 [Source:HGNC Symbol;Acc:HGNC:14927]	chr2:99613	NM_02524	XM_01151	.	.	NP_07952	XP_005264	protein_co	ENSG0000	80705	14927
TSGA10IP	0	0	0	0.081334	0	0	testis specific 10 interacting protein [Source:HGNC Symbol;Acc:H	chr11:6571	NM_15276	XM_01154	.	.	NP_68997	XP_011543	protein_co	ENSG0000	254187	26555
TSGA13	0	4.1E-11	0	0	0	0	testis specific 13 [Source:HGNC Symbol;Acc:HGNC:12369]	chr7:13029	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	114960	12369
TSHB	0	0	0	0	0	0	thyroid stimulating hormone beta [Source:HGNC Symbol;Acc:HGI	chr1:11557	NM_00054	XM_01154	.	.	NP_00054	XP_01154	protein_co	ENSG0000	7252	12372
TSHR	0	0	0.136059	0	0.037525	0	thyroid stimulating hormone receptor [Source:HGNC Symbol;Acc	chr14:8142	NM_00036	XM_01153	.	.	NP_00036	XP_005268	protein_co	ENSG0000	7253	12373
TSHZ1	2.518	2.84735	2.73392	3.0739	3.10449	2.39813	teashirt zinc finger homeobox 1 [Source:HGNC Symbol;Acc:HGNC	chr18:7292	NM_00130	XM_00526	.	.	NP_00129	XP_005266	protein_co	ENSG0000	10194	10669
TSHZ2	0	0	0	0	0	0	teashirt zinc finger homeobox 2 [Source:HGNC Symbol;Acc:HGNC	chr20:5158	NM_00119	.	.	.	NP_00118	XP_016883	protein_co	ENSG0000	128553	13010
TSHZ3	0	0	0	0	0	0	teashirt zinc finger homeobox 3 [Source:HGNC Symbol;Acc:HGNC	chr19:3176	NM_02085	.	.	.	NP_06590	.	protein_co	ENSG0000	57616	30700
TSKS	0.113892	0.055681	0.296574	0.546779	0.198975	0.444937	testis specific serine kinase substrate [Source:HGNC Symbol;Acc:H	chr19:5024	NM_02173	XM_01152	.	.	NP_06837	XP_011525	protein_co	ENSG0000	60385	30719
TSKU	19.1735	19.7873	17.2999	17.1361	16.8473	14.5964	tsukushi, small leucine rich proteoglycan [Source:HGNC Symbol;A	chr11:7649	NM_00125	XM_00527	.	.	NP_00124	.	protein_co	ENSG0000	25987	28850
TSLP	0.179123	0.078065	0.187783	0.165351	0.039085	0.068561	thymic stromal lymphopoietin [Source:HGNC Symbol;Acc:HGNC:3	chr5:11040	NM_03303	XM_01154	.	.	NP_14902	XP_011542	protein_co	ENSG0000	85480	30743
TSN	53.2883	57.6119	50.5138	59.9697	62.1963	53.7962	translin [Source:HGNC Symbol;Acc:HGNC:12379]	chr2:12251	NM_00126	.	.	.	NP_00124	.	protein_co	ENSG0000	7247	12379
TSNARE1	4.92439	5.6726	6.57503	4.16514	3.77624	4.11709	t-SNARE domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2	chr8:14329	NM_00129	XM_01701	.	.	NP_00127	XP_011515	protein_co	ENSG0000	203062	26437
TSNAX	22.2425	24.5837	23.8168	23.2803	24.591	21.6574	translin associated factor X [Source:HGNC Symbol;Acc:HGNC:123	chr1:23166	NM_00599	.	.	.	NP_00599	.	protein_co	ENSG0000	7257	12380
TSNAXIP1	0.877921	0.511513	0.673492	0.426947	0.651306	0.534303	translin associated factor X interacting protein 1 [Source:HGNC S	chr16:6784	NM_00128	XM_01152	.	.	NP_00127	XP_005256	protein_co	ENSG0000	55815	18586
TSPAN1	7.49864	7.44435	11.3657	5.09569	5.35398	3.3503	tetraspanin 1 [Source:HGNC Symbol;Acc:HGNC:20657]	chr1:46640	NM_00572	.	.	.	NP_00571	.	protein_co	ENSG0000	10103	20657
TSPAN10	0.82012	0.778052	0.583055	0.524725	0.870391	0.700056	tetraspanin 10 [Source:HGNC Symbol;Acc:HGNC:29942]	chr17:7960	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	83882	29942
TSPAN11	0	0	0	0	0	0	tetraspanin 11 [Source:HGNC Symbol;Acc:HGNC:30795]	chr12:3107	NM_00108	XM_01152	.	.	NP_00107	XP_011518	protein_co	ENSG0000	441631	30795
TSPAN12	2.55917	3.65899	3.6961	2.88513	2.72509	3.78216	tetraspanin 12 [Source:HGNC Symbol;Acc:HGNC:21641]	chr7:12042	NM_01233	XM_01151	.	.	NP_03647	XP_005250	protein_co	ENSG0000	23554	21641
TSPAN13	18.095	19.8659	23.623	21.3255	22.0188	23.3264	tetraspanin 13 [Source:HGNC Symbol;Acc:HGNC:21643]	chr7:16793	NM_01439	.	.	.	NP_05521	.	protein_co	ENSG0000	27075	21643
TSPAN14	34.7792	36.8385	44.5037	35.668	31.9012	31.4058	tetraspanin 14 [Source:HGNC Symbol;Acc:HGNC:23303]	chr10:8221	NM_00112	XM_01154	.	.	NP_00112	XP_006718	protein_co	ENSG0000	81619	23303
TSPAN15	13.9981	14.2446	13.0525	14.995	11.1016	16.8612	tetraspanin 15 [Source:HGNC Symbol;Acc:HGNC:23298]	chr10:7121	NM_01233	.	.	.	NP_03647	.	protein_co	ENSG0000	23555	23298
TSPAN16	0	0.090203	0	0	0	0	tetraspanin 16 [Source:HGNC Symbol;Acc:HGNC:30725]	chr19:1140	NM_00128	XM_01152	.	.	NP_00126	XP_011526	protein_co	ENSG0000	26526	30725
TSPAN17	38.487	40.3703	35.5409	41.3115	37.6299	28.5468	tetraspanin 17 [Source:HGNC Symbol;Acc:HGNC:13594]	chr5:17607	NM_00100	XM_00526	.	.	NP_00100	XP_005265	protein_co	ENSG0000	26262	13594
TSPAN18	7.78392	7.60234	8.27262	6.66675	5.92433	6.54111	tetraspanin 18 [Source:HGNC Symbol;Acc:HGNC:20660]	chr11:4474	NM_13078	XM_01152	.	.	NP_57013	XP_005253	protein_co	ENSG0000	90139	20660
TSPAN19	0	0	0.275097	0	0.114904	0	tetraspanin 19 [Source:HGNC Symbol;Acc:HGNC:31886]	chr12:8540	NM_00110	XM_01701	.	.	NP_00109	XP_005268	protein_co	ENSG0000	144448	31886
TSPAN2	0.439322	0.627483	0.66672	2.2539	1.05348	1.76866	tetraspanin 2 [Source:HGNC Symbol;Acc:HGNC:20659]	chr1:11559	NM_00130	XM_01154	.	.	NP_00129	XP_011538	protein_co	ENSG0000	10100	20659
TSPAN3	120.868	123.645	109.302	125.285	124.357	106.677	tetraspanin 3 [Source:HGNC Symbol;Acc:HGNC:17752]	chr15:7733	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	10099	17752
TSPAN31	11.0389	11.646	13.512	6.93547	6.53819	7.05323	tetraspanin 31 [Source:HGNC Symbol;Acc:HGNC:10539]	chr12:5813	NM_00598	XM_00526	.	.	NP_00597	XP_005269	protein_co	ENSG0000	6302	10539
TSPAN32	0	0	0	0	0	0	tetraspanin 32 [Source:HGNC Symbol;Acc:HGNC:13410]	chr11:2316	NM_13902	XM_01151	.	.	NP_62059	XP_005252	protein_co	ENSG0000	10077	13410
TSPAN33	11.7859	10.3979	12.2012	13.0227	10.2059	10.4855	tetraspanin 33 [Source:HGNC Symbol;Acc:HGNC:28743]	chr7:12878	NM_17856	XM_00671	.	.	NP_84865	XP_006716	protein_co	ENSG0000	340348	28743
TSPAN4	31.5138	26.5023	27.087	23.3097	21.5518	21.4261	tetraspanin 4 [Source:HGNC Symbol;Acc:HGNC:11859]	chr11:8428	NM_00102	XM_01152	.	.	NP_00102	XP_005253	protein_co	ENSG0000	7106	11859
TSPAN5	42.6293	40.248	49.7155	41.3349	41.678	48.4339	tetraspanin 5 [Source:HGNC Symbol;Acc:HGNC:17753]	chr4:99391	NM_00572	XM_00526	.	.	NP_00571	XP_005262	protein_co	ENSG0000	10098	17753
TSPAN6	23.6635	21.9131	30.4034	28.6123	33.3283	35.8176	tetraspanin 6 [Source:HGNC Symbol;Acc:HGNC:11858]	chrX:99882	NM_00127	XM_01153	.	.	NP_00126	XP_011529	protein_co	ENSG0000	7105	11858
TSPAN7	3.11276	2.91622	4.11143	4.03922	3.60126	5.19812	tetraspanin 7 [Source:HGNC Symbol;Acc:HGNC:11854]	chrX:37208	NM_00461	.	.	.	NP_00460	.	protein_co	ENSG0000	7102	11854

TSPAN8	0.195642	0	0	0	0	0.189224	tetraspanin 8 [Source:HGNC Symbol;Acc:HGNC:11855]	chr12:7151	NM_00461	XM_01701	.	.	NP_00460	XP_00671	protein_co	ENSG0000	7103	11855
TSPAN9	7.25869	6.55479	9.30685	7.4462	6.88944	5.95175	tetraspanin 9 [Source:HGNC Symbol;Acc:HGNC:21640]	chr12:318	NM_0011	XM_01152	.	.	NP_00116	XP_01151	protein_co	ENSG0000	10867	21640
TSPEAR	0	0	0.040333	0.036907	0	0	thrombospondin type laminin G domain and EAR repeats [Source	chr21:4591	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	54084	1268
TSPO	166.921	165.553	191.335	175.974	133.275	149.984	translocator protein [Source:HGNC Symbol;Acc:HGNC:1158]	chr22:4354	NM_00071	.	.	.	NP_00070	.	protein_co	ENSG0000	706	1158
TSPO2	0	0	0	0	0	0.160376	translocator protein 2 [Source:HGNC Symbol;Acc:HGNC:21256]	chr6:4101	NM_00101	XM_01151	.	.	NP_00101	XP_011512	protein_co	ENSG0000	222642	21256
TSPOAP1	0.026465	0.025958	0.04589	0.01202	0.013193	0.05905	TSPO associated protein 1 [Source:HGNC Symbol;Acc:HGNC:1683	chr17:5637	NM_0012	XM_00672	.	.	NP_00124	XP_005257	protein_co	ENSG0000	9256	16831
TSPY1	0	0	0	0	0	0	testis specific protein, Y-linked 1 [Source:HGNC Symbol;Acc:HGN	chrY:9304	NM_0011	XM_01703	.	.	NP_00118	XP_01688	protein_co	ENSG0000	100289087	12381
TSPY10	0	0	0	0	0	0	testis specific protein, Y-linked 10 [Source:HGNC Symbol;Acc:HGN	chrY:93654	NM_00128	XM_01703	.	.	NP_00126	XP_002344	protein_co	ENSG0000	100289087	37473
TSPY2	0	0	0	0	0	0	testis specific protein, Y-linked 2 [Source:HGNC Symbol;Acc:HGN	chrY:61142	NM_02257	XM_01703	.	.	NP_07209	XP_005262	protein_co	ENSG0000	64591	23924
TSPY3	0	0	0	0	0	0	testis specific protein, Y-linked 3 [Source:HGNC Symbol;Acc:HGN	chrY:9236	NM_00107	XM_01154	.	.	NP_00107	XP_005272	protein_co	ENSG0000	728137	33876
TSPY4	0	0	0	0	0	0	testis specific protein, Y-linked 4 [Source:HGNC Symbol;Acc:HGN	chrY:9175	NM_0011	XM_01703	.	.	NP_00115	XP_005272	protein_co	ENSG0000	728395	37287
TSPY8	0	0	0	0	0	0	testis specific protein, Y-linked 8 [Source:HGNC Symbol;Acc:HGN	chrY:91954	NM_00124	XM_01154	.	.	NP_00123	XP_005272	protein_co	ENSG0000	728403	37471
TSPYL1	49.4808	53.2483	57.9801	45.2963	42.8199	51.3757	TSPY like 1 [Source:HGNC Symbol;Acc:HGNC:12382]	chr6:1165	NM_0033	.	.	.	NP_00330	.	protein_co	ENSG0000	7259	12382
TSPYL2	9.67277	10.3289	7.96578	8.60044	7.45195	7.92824	TSPY like 2 [Source:HGNC Symbol;Acc:HGNC:24358]	chrX:5311	NM_02211	XM_00672	.	.	NP_07140	XP_006724	protein_co	ENSG0000	64061	24358
TSPYL4	6.41699	6.47823	5.48533	7.20709	6.99763	5.07118	TSPY like 4 [Source:HGNC Symbol;Acc:HGNC:21559]	chr6:11657	NM_02164	.	.	.	NP_06768	.	protein_co	ENSG0000	23270	21559
TSPYL5	0	0	0	0	0	0	TSPY like 5 [Source:HGNC Symbol;Acc:HGNC:29367]	chr8:9828	NM_03351	.	.	.	NP_27704	.	protein_co	ENSG0000	85453	29367
TSPYL6	0	0	0	0	0	0	TSPY like 6 [Source:HGNC Symbol;Acc:HGNC:14521]	chr2:54091	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	388951	14521
TSR1	44.0221	46.9305	41.1614	46.1487	44.7489	34.0558	TSR1, ribosome maturation factor [Source:HGNC Symbol;Acc:HG	chr17:195	NM_01812	.	.	.	NP_06059	.	protein_co	ENSG0000	55720	25542
TSR2	24.8812	23.4741	22.2413	28.5031	27.1469	19.814	TSR2, ribosome maturation factor [Source:HGNC Symbol;Acc:HG	chrX:5446	NM_05816	.	.	.	NP_47751	.	protein_co	ENSG0000	90121	25455
TSR3	54.0386	60.2656	50.1631	59.0706	48.9784	33.819	TSR3, acp transferase ribosome maturation factor [Source:HGNC	chr16:1383	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	115939	14175
TSRM	0	0	0	0	0	0	Uncharacterized protein; Zinc finger domain-related protein TSR	chr7:1130	.	.	.	.	.	.	protein_co	ENSG0000	.	.
TSSC1	24.4846	22.3366	20.6908	25.9119	21.033	20.6139	tumor suppressing subtransferable candidate 1 [Source:HGNC Sy	chr2:3192	NM_00331	XM_01151	.	.	NP_00330	XP_011508	protein_co	ENSG0000	7260	12383
TSSC4	25.8404	28.3039	22.1591	37.1386	32.2884	19.7875	tumor suppressing subtransferable candidate 4 [Source:HGNC Sy	chr11:2421	NM_0012	XM_01151	.	.	NP_00128	XP_006718	protein_co	ENSG0000	10078	12386
TSSK1B	0.029851	0	0	0	0	0.032156	testis specific serine kinase 1B [Source:HGNC Symbol;Acc:HGNC:1	chr5:1123	NM_03202	.	.	.	NP_11441	.	protein_co	ENSG0000	83942	14968
TSSK2	0	0	0	0	0	0.04214	testis specific serine kinase 2 [Source:HGNC Symbol;Acc:HGNC:11	chr22:1911	NM_0530	.	.	.	NP_44373	.	protein_co	ENSG0000	23617	11401
TSSK3	0.22262	0	0.192187	0.484595	0.064451	0.298301	testis specific serine kinase 3 [Source:HGNC Symbol;Acc:HGNC:15	chr1:3282	NM_05284	.	.	.	NP_44307	.	protein_co	ENSG0000	81629	15473
TSSK4	0.094469	0.062965	0	0	0	0	testis specific serine kinase 4 [Source:HGNC Symbol;Acc:HGNC:19	chr14:246	NM_00118	XM_01153	.	.	NP_00117	XP_011534	protein_co	ENSG0000	283629	19825
TSSK6	1.05048	1.99877	1.70147	1.36993	1.73026	1.84482	testis specific serine kinase 6 [Source:HGNC Symbol;Acc:HGNC:3	chr19:1962	NM_03203	.	.	.	NP_11442	.	protein_co	ENSG0000	83983	30410
TST	25.3343	24.0712	33.6876	30.4938	27.081	25.6591	thiosulfate sulfurtransferase [Source:HGNC Symbol;Acc:HGNC:12	chr22:374	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	7263	12388
TSTA3	72.685	73.7208	61.8472	90.8569	66.7621	50.9138	tissue specific transplantation antigen P35B [Source:HGNC Symb	chr8:1446	NM_00131	XM_01151	.	.	NP_00130	XP_005251	protein_co	ENSG0000	7264	12390
TSTD1	123.838	118.49	147.831	103.158	84.9219	121.016	thiosulfate sulfurtransferase like domain containing 1 [Source:HG	chr1:1610	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	100131187	35410
TSTD2	8.20113	7.50328	7.44847	5.81249	8.25791	10.2179	thiosulfate sulfurtransferase like domain containing 2 [Source:HG	chr9:1002	NM_13924	XM_01151	.	.	NP_64033	XP_01151	protein_co	ENSG0000	158427	30087
TSTD3	3.43073	3.71583	1.80842	1.51789	1.28389	1.7574	thiosulfate sulfurtransferase (rhodanese)-like domain containing	chr6:99968	NM_00119	.	.	.	NP_00118	XP_01686	protein_co	ENSG0000	100130890	40910
TTBK1	0	0	0	0	0	0	tau tubulin kinase 1 [Source:HGNC Symbol;Acc:HGNC:19140]	chr6:43211	NM_03253	XM_01701	.	.	NP_11592	XP_011513	protein_co	ENSG0000	84630	19140
TTBK2	1.73507	2.22801	2.66277	1.73061	2.06609	3.26906	tau tubulin kinase 2 [Source:HGNC Symbol;Acc:HGNC:19141]	chr15:430	NM_1735	XM_01702	.	.	NP_77577	XP_005254	protein_co	ENSG0000	146057	19141
TTC1	43.6086	38.4353	40.8841	47.4516	40.7321	36.3909	tetratricopeptide repeat domain 1 [Source:HGNC Symbol;Acc:HG	chr5:1594	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	7265	12391
TTC12	4.82326	4.66485	4.27478	5.813	4.35028	3.51452	tetratricopeptide repeat domain 12 [Source:HGNC Symbol;Acc:H	chr11:1131	NM_00131	XM_01154	.	.	NP_00130	XP_005271	protein_co	ENSG0000	54970	23700
TTC13	4.15678	4.10592	5.27187	3.787	4.01164	5.36965	tetratricopeptide repeat domain 13 [Source:HGNC Symbol;Acc:H	chr1:23104	NM_00112	XM_01154	.	.	NP_00111	XP_005273	protein_co	ENSG0000	79573	26204
TTC14	12.3335	10.4519	12.7714	7.23852	9.53986	7.35594	tetratricopeptide repeat domain 14 [Source:HGNC Symbol;Acc:H	chr3:18031	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	151613	24697
TTC16	0.021829	0	0.019053	0.046961	0	0	tetratricopeptide repeat domain 16 [Source:HGNC Symbol;Acc:H	chr9:1304	NM_1449	XM_01151	.	.	NP_00130	XP_005251	protein_co	ENSG0000	158248	26536
TTC17	14.9384	14.3746	13.8333	10.8491	12.3806	15.0775	tetratricopeptide repeat domain 17 [Source:HGNC Symbol;Acc:H	chr11:4338	NM_0013	XM_00671	.	.	NP_00129	XP_005253	protein_co	ENSG0000	55761	25596
TTC19	36.585	34.9283	39.5318	27.5778	34.4612	44.1125	tetratricopeptide repeat domain 19 [Source:HGNC Symbol;Acc:H	chr17:1587	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	54902	26006
TTC21A	0.549414	0.859165	0.925577	0.754568	0.711672	0.84402	tetratricopeptide repeat domain 21A [Source:HGNC Symbol;Acc:	chr3:39138	NM_0011	XM_01153	NR_10688	.	NP_00109	XP_005264	protein_co	ENSG0000	102466743	30761
TTC21B	3.95455	3.84398	3.42905	3.72766	5.78159	6.25515	tetratricopeptide repeat domain 21B [Source:HGNC Symbol;Acc:	chr2:16672	NM_02475	XM_01700	.	.	NP_07902	XP_01686	protein_co	ENSG0000	79809	25660
TTC22	1.19968	1.09027	1.52405	0.360064	0.485763	0.428893	tetratricopeptide repeat domain 22 [Source:HGNC Symbol;Acc:H	chr1:55245	NM_00111	XM_01154	.	.	NP_00110	XP_011539	protein_co	ENSG0000	55001	26067
TTC23	4.21919	4.1717	3.0995	3.99317	3.82433	4.03306	tetratricopeptide repeat domain 23 [Source:HGNC Symbol;Acc:H	chr15:9967	NM_00128	XM_01152	.	.	NP_00127	XP_01152	protein_co	ENSG0000	64927	25730
TTC23L	0.063191	0.065954	0.277461	0	0.425105	0.047237	tetratricopeptide repeat domain 23 like [Source:HGNC Symbol;A	chr5:34839	NM_14472	XM_01151	.	.	NP_00130	XP_011512	protein_co	ENSG0000	153657	26355
TTC24	0	0	0	0	0	0	tetratricopeptide repeat domain 24 [Source:HGNC Symbol;Acc:H	chr1:15654	NM_0011	XM_01150	.	.	NP_00109	XP_011507	protein_co	ENSG0000	164118	32348
TTC25	0.629642	0.454366	0.411699	0.334427	0.371312	1.02739	tetratricopeptide repeat domain 25 [Source:HGNC Symbol;Acc:H	chr17:4008	NM_03142	XM_01152	.	.	NP_11360	XP_011523	protein_co	ENSG0000	83538	25280
TTC26	5.63454	6.6068	5.41076	7.23626	7.68959	5.99617	tetratricopeptide repeat domain 26 [Source:HGNC Symbol;Acc:H	chr7:13881	NM_00114	XM_00671	.	.	NP_00113	.	protein_co	ENSG0000	79989	21882
TTC27	11.1703	11.6591	10.4315	12.4974	11.2406	10.7687	tetratricopeptide repeat domain 27 [Source:HGNC Symbol;Acc:H	chr2:32853	NM_00119	XM_01153	.	.	NP_00118	XP_005264	protein_co	ENSG0000	55622	25986
TTC28	0.020116	0.019744	0.005806	0	0	0.053778	tetratricopeptide repeat domain 28 [Source:HGNC Symbol;Acc:H	chr22:2837	NM_00114	XM_01702	.	.	NP_00113	XP_005261	protein_co	ENSG0000	23331	29179
TTC29	0	0.040382	0.033656	0	0	0	tetratricopeptide repeat domain 29 [Source:HGNC Symbol;Acc:H	chr4:14762	NM_0013	XM_00671	.	.	NP_00128	XP_005263	protein_co	ENSG0000	83894	29936
TTC3	16.6682	15.7227	20.7921	15.0457	19.2111	20.7696	tetratricopeptide repeat domain 3 [Source:HGNC Symbol;Acc:HG	chr21:3844	NM_0010	XM_01152	.	.	NP_00100	XP_005261	protein_co	ENSG0000	7267	12393
TTC30A	0.747329	0.817511	0.766211	0.545329	0.314056	0.435859	tetratricopeptide repeat domain 30A [Source:HGNC Symbol;Acc:	chr2:17847	NM_15227	.	.	.	NP_68948	.	protein_co	ENSG0000	92104	25853
TTC30B	0.418523	0.377894	0.399013	0.449457	0.932184	0.641421	tetratricopeptide repeat domain 30B [Source:HGNC Symbol;Acc:	chr2:17841	NM_15251	.	.	.	NP_68973	.	protein_co	ENSG0000	150737	26425
TTC31	9.78947	9.87907	8.75774	6.85244	6.91593	7.10244	tetratricopeptide repeat domain 31 [Source:HGNC Symbol;Acc:H	chr2:7470	NM_02249	XM_01700	.	XR_00173	NP_07193	XP_005264	protein_co	ENSG0000	64427	25759
TTC32	2.40831	1.92559	1.94514	2.99094	3.81399	2.6543	tetratricopeptide repeat domain 32 [Source:HGNC Symbol;Acc:H	chr2:20096	NM_0010	.	.	.	NP_00100	.	protein_co	ENSG0000	130502	32954
TTC33	6.48365	7.9175	6.39843	6.18426	6.6376	7.68758	tetratricopeptide repeat domain 33 [Source:HGNC Symbol;Acc:H	chr5:40512	NM_01238	XM_01151	.	.	NP_03651	XP_011512	protein_co	ENSG0000	23548	29959

TTC34	0.029916	0.039555	0.051325	0.010712	0	0.010946	tetratricopeptide repeat domain 34 [Source:HGNC Symbol;Acc:H	chr1:25674	NM_00124	XM_01154	.	.	NP_001229	XP_011538	protein_co	ENSG0000	100287898	34297
TTC36	0	0.618978	0.110796	0	0	0	tetratricopeptide repeat domain 36 [Source:HGNC Symbol;Acc:H	chr11:1183	NM_00108	.	.	.	NP_001073	.	protein_co	ENSG0000	143941	33708
TTC37	8.2148	7.30963	8.71546	4.47159	5.61882	6.13507	tetratricopeptide repeat domain 37 [Source:HGNC Symbol;Acc:H	chr5:94799	NM_01463	.	.	.	NP_055454	.	protein_co	ENSG0000	9652	23639
TTC38	14.7897	11.1209	9.91355	11.5935	10.1129	8.86822	tetratricopeptide repeat domain 38 [Source:HGNC Symbol;Acc:H	chr22:4666	NM_01793	XM_01153	.	.	NP_060401	XP_011528	protein_co	ENSG0000	55020	26082
TTC39A	6.42821	7.06852	6.1819	8.13565	6.51913	7.34717	tetratricopeptide repeat domain 39A [Source:HGNC Symbol;Acc:	chr1:51752	NM_00108	XM_01700	.	.	NP_001073	XP_005270	protein_co	ENSG0000	22996	18657
TTC39B	1.39789	2.09288	1.90588	1.70788	2.25012	3.78631	tetratricopeptide repeat domain 39B [Source:HGNC Symbol;Acc:	chr9:15163	NM_00116	XM_01151	.	.	NP_001161	XP_011516	protein_co	ENSG0000	158219	23704
TTC39C	12.603	13.7135	15.437	19.2312	14.2408	14.5097	tetratricopeptide repeat domain 39C [Source:HGNC Symbol;Acc:	chr18:2157	NM_00113	XM_01152	.	.	NP_001129	XP_005258	protein_co	ENSG0000	125488	26595
TTC4	25.8406	25.3011	23.0381	31.1561	27.6128	23.523	tetratricopeptide repeat domain 4 [Source:HGNC Symbol;Acc:HG	chr1:55181	NM_00462	.	.	.	NP_004614	.	protein_co	ENSG0000	7268	12394
TTC5	6.42742	5.92994	6.20473	6.40275	5.13002	6.25696	tetratricopeptide repeat domain 5 [Source:HGNC Symbol;Acc:HG	chr14:2075	NM_13837	.	.	.	NP_612385	.	protein_co	ENSG0000	91875	19274
TTC6	0	0	0	0	0	0	tetratricopeptide repeat domain 6 [Source:HGNC Symbol;Acc:HG	chr14:3809	.	XM_01153	.	.	NP_001297	XP_011535	protein_co	ENSG0000	319089	19739
TTC7A	6.67179	6.2986	6.59468	8.60242	7.00285	7.2013	tetratricopeptide repeat domain 7A [Source:HGNC Symbol;Acc:H	chr2:47129	NM_00128	XM_01153	.	.	NP_001275	XP_005264	protein_co	ENSG0000	57217	19750
TTC7B	1.43119	1.49989	1.72148	1.53401	1.24271	1.64514	tetratricopeptide repeat domain 7B [Source:HGNC Symbol;Acc:H	chr14:9099	NM_00101	XM_01153	.	.	NP_001010	XP_011534	protein_co	ENSG0000	145567	19858
TTC8	12.6366	12.4551	13.0535	10.8999	11.7996	11.747	tetratricopeptide repeat domain 8 [Source:HGNC Symbol;Acc:HG	chr14:8929	NM_00128	XM_01153	.	.	NP_001275	XP_006720	protein_co	ENSG0000	123016	20087
TTC9	1.34471	1.21823	1.89826	1.02913	1.25114	1.33926	tetratricopeptide repeat domain 9 [Source:HGNC Symbol;Acc:HG	chr14:7110	NM_01535	.	.	.	NP_056166	.	protein_co	ENSG0000	23508	20267
TTC9B	1.04664	1.29182	0	1.27159	0.530706	1.01786	tetratricopeptide repeat domain 9B [Source:HGNC Symbol;Acc:H	chr19:4072	NM_15247	.	.	.	NP_689692	.	protein_co	ENSG0000	148014	26395
TTC9C	15.7966	12.4891	15.8931	16.9426	16.7143	12.6625	tetratricopeptide repeat domain 9C [Source:HGNC Symbol;Acc:H	chr11:6249	NM_17381	XM_00527	.	.	NP_001305	XP_005273	protein_co	ENSG0000	283237	28432
TTF1	10.3532	10.3758	8.72008	10.5033	12.4425	8.56921	transcription termination factor 1 [Source:HGNC Symbol;Acc:HGN	chr9:13525	NM_00120	XM_00671	.	.	NP_001192	XP_006717	protein_co	ENSG0000	7270	12397
TTF2	7.93039	8.91596	8.44005	8.8912	9.40406	5.96159	transcription termination factor 2 [Source:HGNC Symbol;Acc:HGN	chr1:11760	NM_00359	XM_01154	.	.	NP_003585	XP_005271	protein_co	ENSG0000	8458	12398
TTI1	15.7155	17.0152	13.6088	15.137	16.8277	11.8022	TELO2 interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:290	chr20:3661	NM_00130	.	.	.	NP_001290	XP_016883	protein_co	ENSG0000	9675	29029
TTI2	13.0323	15.289	12.5197	18.5304	15.2753	10.9129	TELO2 interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:262	chr8:33342	NM_00110	XM_01154	.	.	NP_001095	XP_011542	protein_co	ENSG0000	80185	26262
TTK	18.3507	16.1596	18.4936	20.5881	28.2488	26.7074	TTK protein kinase [Source:HGNC Symbol;Acc:HGNC:12401]	chr6:80713	NM_00116	XM_01153	.	.	NP_001160	XP_011534	protein_co	ENSG0000	7272	12401
TTL	7.4813	7.27099	7.93825	8.0196	7.87406	8.61812	tubulin tyrosine ligase [Source:HGNC Symbol;Acc:HGNC:21586]	chr2:11323	NM_15371	XM_01151	.	.	NP_714923	XP_005263	protein_co	ENSG0000	150465	21586
TTLL1	2.16772	2.23509	2.66098	2.08424	1.15633	3.13375	tubulin tyrosine ligase like 1 [Source:HGNC Symbol;Acc:HGNC:13	chr22:4343	NM_01226	XM_01702	.	.	NP_036395	XP_006724	protein_co	ENSG0000	25809	1312
TTLL10	0	0.036678	0	0	0.132057	0.042125	tubulin tyrosine ligase like 10 [Source:HGNC Symbol;Acc:HGNC:2	chr1:11092	NM_00113	XM_01700	.	.	NP_001123	XP_005244	protein_co	ENSG0000	254173	26693
TTLL11	1.44843	1.13958	1.049	0.947948	1.09032	1.02878	tubulin tyrosine ligase like 11 [Source:HGNC Symbol;Acc:HGNC:1	chr9:12458	NM_00113	.	.	.	NP_001132	.	protein_co	ENSG0000	158135	18113
TTLL12	52.9726	53.5808	51.1378	67.2179	58.3084	40.3422	tubulin tyrosine ligase like 12 [Source:HGNC Symbol;Acc:HGNC:2	chr22:4356	NM_01514	XM_01153	.	.	NP_055955	.	protein_co	ENSG0000	23170	28974
TTLL2	0	0	0	0	0	0	tubulin tyrosine ligase like 2 [Source:HGNC Symbol;Acc:HGNC:21	chr6:16773	NM_03194	.	.	.	NP_114155	.	protein_co	ENSG0000	83887	21211
TTLL3	5.43321	4.747	9.34725	7.17918	7.76317	9.2586	tubulin tyrosine ligase like 3 [Source:HGNC Symbol;Acc:HGNC:24	chr3:98215	NM_00102	.	.	.	NP_001021	.	protein_co	ENSG0000	26140	24483
TTLL4	13.5315	12.4407	12.0674	14.334	12.4197	9.67179	tubulin tyrosine ligase like 4 [Source:HGNC Symbol;Acc:HGNC:28	chr2:21957	NM_01464	XM_01151	.	.	NP_055455	XP_005247	protein_co	ENSG0000	9654	28976
TTLL5	5.41324	5.23644	5.53549	4.9336	5.00179	4.48509	tubulin tyrosine ligase like 5 [Source:HGNC Symbol;Acc:HGNC:19	chr14:7604	NM_01507	.	.	.	NP_055887	.	protein_co	ENSG0000	23093	19963
TTLL6	0.196345	0.517926	0.58908	0.371	0.381737	0.300008	tubulin tyrosine ligase like 6 [Source:HGNC Symbol;Acc:HGNC:26	chr17:4683	NM_00113	XM_01702	.	.	NP_001124	XP_016879	protein_co	ENSG0000	284076	26664
TTLL7	2.63763	2.81265	3.26248	2.56749	4.29774	4.84657	tubulin tyrosine ligase like 7 [Source:HGNC Symbol;Acc:HGNC:26	chr1:84330	NM_02468	XM_01700	.	.	NP_078962	XP_005271	protein_co	ENSG0000	79739	26242
TTLL8	0	0	0	0	0	0	tubulin tyrosine ligase like 8 [Source:HGNC Symbol;Acc:HGNC:34	chr22:5045	.	.	.	.	.	.	protein_co	ENSG0000	.	34000
TTLL9	0.071355	0.096748	0.057475	0	0	0.02518	tubulin tyrosine ligase like 9 [Source:HGNC Symbol;Acc:HGNC:16	chr20:3043	NM_00100	XM_01152	.	.	NP_001008	XP_005260	protein_co	ENSG0000	164395	16118
TTN	0.020587	0.010186	0.018415	0.104365	0.148034	0.13709	titin [Source:HGNC Symbol;Acc:HGNC:12403]	chr2:17939	NM_00126	XM_01700	.	.	NP_001254	XP_016860	protein_co	ENSG0000	7273	12403
TTPA	0.747029	0.846205	0.894045	0.475819	0.6863	0.87829	alpha tocopherol transfer protein [Source:HGNC Symbol;Acc:HGN	chr8:63972	NM_00037	.	.	.	NP_000361	.	protein_co	ENSG0000	7274	12404
TTPAL	7.58664	9.20415	8.08228	8.5248	9.4759	9.17942	alpha tocopherol transfer protein like [Source:HGNC Symbol;Acc:	chr20:4310	NM_00103	XM_01152	.	.	NP_001034	XP_011527	protein_co	ENSG0000	79183	16114
TTR	0	0	0	0	0	0	transthyretin [Source:HGNC Symbol;Acc:HGNC:12405]	chr18:2917	NM_00037	.	.	.	NP_000362	.	protein_co	ENSG0000	7276	12405
TTYH1	0.115666	0.283993	0.117505	0.123277	0.114114	0	tweety family member 1 [Source:HGNC Symbol;Acc:HGNC:13476	chr19:5492	NM_00100	XM_01152	.	.	NP_001005	.	protein_co	ENSG0000	57348	13476
TTYH2	8.58398	9.1233	9.84533	9.4919	9.12588	5.63135	tweety family member 2 [Source:HGNC Symbol;Acc:HGNC:13877	chr17:7220	NM_03264	XM_00525	.	.	NP_116035	XP_005257	protein_co	ENSG0000	94015	13877
TTYH3	24.1421	24.1207	26.5312	22.9652	22.7517	23.418	tweety family member 3 [Source:HGNC Symbol;Acc:HGNC:22222	chr7:26715	NM_02525	XM_01701	.	.	NP_079526	XP_011513	protein_co	ENSG0000	80727	22222
TUB	0	0	0	0.012555	0	0	tubby bipartite transcription factor [Source:HGNC Symbol;Acc:HG	chr11:8040	NM_00332	XM_01152	.	.	NP_003311	XP_005253	protein_co	ENSG0000	7275	12406
TUBA1A	66.74	65.8593	76.2604	93.15	82.2606	120.188	tubulin alpha 1a [Source:HGNC Symbol;Acc:HGNC:20766]	chr12:4957	NM_00127	.	.	.	NP_001257	.	protein_co	ENSG0000	7846	20766
TUBA1B	1016.32	997.904	697.503	1462.36	1304.73	1045.8	tubulin alpha 1b [Source:HGNC Symbol;Acc:HGNC:18809]	chr12:4952	NM_00608	.	.	.	NP_006073	.	protein_co	ENSG0000	10376	18809
TUBA1C	548.102	570.164	435.593	954.907	820.951	584.8	tubulin alpha 1c [Source:HGNC Symbol;Acc:HGNC:20768]	chr12:4962	NM_00130	.	.	.	NP_001290	.	protein_co	ENSG0000	84790	20768
TUBA3C	0	0	0	0	0	0	tubulin alpha 3c [Source:HGNC Symbol;Acc:HGNC:12408]	chr13:1974	NM_00600	.	.	.	NP_005992	.	protein_co	ENSG0000	7278	12408
TUBA3D	0	0	0	0	0.058249	0	tubulin alpha 3d [Source:HGNC Symbol;Acc:HGNC:24071]	chr2:13223	NM_08038	.	.	.	NP_525125	.	protein_co	ENSG0000	113457	24071
TUBA3E	0	0	0	0	0	0	tubulin alpha 3e [Source:HGNC Symbol;Acc:HGNC:20765]	chr2:13094	NM_20731	.	.	.	NP_997195	.	protein_co	ENSG0000	112714	20765
TUBA4A	33.0371	32.965	29.6378	36.7747	29.9172	17.4648	tubulin alpha 4a [Source:HGNC Symbol;Acc:HGNC:12407]	chr2:22009	NM_00127	XM_00524	.	.	NP_001265	XP_005246	protein_co	ENSG0000	7277	12407
TUBA4B	0	0.052056	0.044725	0.055409	0	0	tubulin alpha 4b [Source:HGNC Symbol;Acc:HGNC:18637]	chr2:22009	.	.	.	.	.	.	protein_co	ENSG0000	.	18637
TUBA8	0.456432	1.38559	0.709142	0.665165	0.788401	0.622315	tubulin alpha 8 [Source:HGNC Symbol;Acc:HGNC:12410]	chr22:1859	NM_00119	.	.	.	NP_001180	.	protein_co	ENSG0000	51807	12410
TUBAL3	0.380039	0.630694	0.573955	0.41979	0.527	0.536782	tubulin alpha like 3 [Source:HGNC Symbol;Acc:HGNC:23534]	chr10:5435	NM_00117	.	.	.	NP_001165	.	protein_co	ENSG0000	79861	23534
TUBB	742.126	728.319	600.455	1004.17	924.238	797.683	tubulin beta class I [Source:HGNC Symbol;Acc:HGNC:20778]	chr6:30687	NM_00129	.	.	.	NP_001280	.	protein_co	ENSG0000	203068	20778
TUBB1	0	0	0	0.023561	0	0.02166	tubulin beta 1 class VI [Source:HGNC Symbol;Acc:HGNC:16257]	chr20:5759	NM_03077	.	.	.	NP_110400	XP_016883	protein_co	ENSG0000	81027	16257
TUBB2A	17.8891	18.3035	14.6957	26.1714	22.1494	18.1483	tubulin beta 2A class IIa [Source:HGNC Symbol;Acc:HGNC:12412]	chr6:31539	NM_00106	.	.	.	NP_001060	.	protein_co	ENSG0000	7280	12412
TUBB2B	0.544084	0.821027	0.471195	0.817852	0.887564	0.518726	tubulin beta 2B class IIb [Source:HGNC Symbol;Acc:HGNC:30829]	chr6:32244	NM_17801	.	.	.	NP_821080	.	protein_co	ENSG0000	347733	30829
TUBB3	97.2672	99.4546	82.3275	104.015	89.4524	86.2052	tubulin beta 3 class III [Source:HGNC Symbol;Acc:HGNC:20772]	chr16:8997	NM_00119	.	.	.	NP_001184	.	protein_co	ENSG0000	10381	20772
TUBB4A	15.9966	17.2749	20.136	28.2446	23.1554	23.2604	tubulin beta 4A class IVa [Source:HGNC Symbol;Acc:HGNC:20774	chr19:6494	NM_00128	.	.	.	NP_001276	.	protein_co	ENSG0000	10382	20774
TUBB4B	493.161	485.955	396.299	884.231	781.984	489.4	tubulin beta 4B class IVb [Source:HGNC Symbol;Acc:HGNC:20771	chr9:14013	NM_00608	.	.	.	NP_006079	.	protein_co	ENSG0000	10383	20771

TUBB6	78.4762	78.0815	78.8039	118.881	101.453	87.0561	tubulin beta 6 class V [Source:HGNC Symbol;Acc:HGNC:20776]	chr18:1230	NM_0013(	.	.	.	NP_00129	.	protein_co	ENSG0000	84617	20776
TUBB8	0	0.111412	0.127468	0	0.216375	0.201868	tubulin beta 8 class VIII [Source:HGNC Symbol;Acc:HGNC:20773]	chr10:9283	NM_17798	.	.	.	NP_81712	.	protein_co	ENSG0000	347688	20773
TUBD1	5.88935	5.72517	5.99217	6.81048	7.67957	6.23754	tubulin delta 1 [Source:HGNC Symbol;Acc:HGNC:16811]	chr17:5793	NM_00119	XM_01152	.	.	NP_00118	XP_00525	protein_co	ENSG0000	51174	16811
TUBE1	10.3316	11.2804	8.75815	7.45529	8.6642	21.1417	tubulin epsilon 1 [Source:HGNC Symbol;Acc:HGNC:20775]	chr6:11237	NM_01626	XM_01153	.	.	NP_05734	XP_01153	protein_co	ENSG0000	51175	20775
TUBG1	63.7566	64.868	59.0916	80.398	68.8016	65.5798	tubulin gamma 1 [Source:HGNC Symbol;Acc:HGNC:12417]	chr17:4073	NM_00107	.	.	.	NP_00106	.	protein_co	ENSG0000	7283	12417
TUBG2	6.72246	6.82676	8.08415	6.57474	5.10219	6.41754	tubulin gamma 2 [Source:HGNC Symbol;Acc:HGNC:12419]	chr17:4081	NM_01643	XM_00525	.	.	NP_00130	.	protein_co	ENSG0000	27175	12419
TUBGCP2	11.5884	11.8612	11.8172	12.8721	10.5232	10.158	tubulin gamma complex associated protein 2 [Source:HGNC Symb	chr10:1350	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	10844	18599
TUBGCP3	17.0232	16.3608	14.5463	17.498	16.6865	18.2243	tubulin gamma complex associated protein 3 [Source:HGNC Symb	chr13:1131	NM_00128	XM_01153	.	.	NP_00127	XP_00526	protein_co	ENSG0000	10426	18598
TUBGCP4	10.7897	11.0558	10.3388	8.95418	10.2671	10.5272	tubulin gamma complex associated protein 4 [Source:HGNC Symb	chr15:4366	NM_00128	XM_01152	.	.	NP_00127	XP_01151	protein_co	ENSG0000	27229	16691
TUBGCP5	6.98176	7.39484	8.16088	7.11044	6.9683	7.60484	tubulin gamma complex associated protein 5 [Source:HGNC Symb	chr15:2283	NM_00110	XM_01154	.	.	NP_00109	XP_00527	protein_co	ENSG0000	114791	18600
TUBGCP6	9.1044	8.53362	10.2183	6.98388	6.08305	6.04053	tubulin gamma complex associated protein 6 [Source:HGNC Symb	chr22:5065	NM_02046	.	.	.	NP_06519	.	protein_co	ENSG0000	85378	18127
TUFM	180.781	186.948	209.393	226.134	187.74	169.468	Tu translation elongation factor, mitochondrial [Source:HGNC Sy	chr16:2885	NM_00333	XM_01154	NR_03987	.	NP_00331	XP_01154	protein_co	ENSG0000	10061625	12420
TUFT1	7.15169	8.99177	7.92924	6.03365	6.28125	7.90317	tuftelin 1 [Source:HGNC Symbol;Acc:HGNC:12422]	chr1:15151	NM_00112	XM_01700	.	.	NP_00111	XP_01150	protein_co	ENSG0000	7286	12422
TULP1	0	0	0	0	0	0	tubby like protein 1 [Source:HGNC Symbol;Acc:HGNC:12423]	chr6:35465	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	7287	12423
TULP2	0	0.037732	0	0	0	0	tubby like protein 2 [Source:HGNC Symbol;Acc:HGNC:12424]	chr19:4938	NM_00332	XM_01152	.	.	NP_00331	XP_00672	protein_co	ENSG0000	7288	12424
TULP3	12.6762	12.4002	11.7311	10.9494	11.3366	13.1492	tubby like protein 3 [Source:HGNC Symbol;Acc:HGNC:12425]	chr12:3000	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	7289	12425
TULP4	4.21171	4.21893	4.56302	3.59919	4.42651	4.20546	tubby like protein 4 [Source:HGNC Symbol;Acc:HGNC:15530]	chr6:15873	NM_00100	XM_01701	.	.	NP_00100	XP_01153	protein_co	ENSG0000	56995	15530
TUNAR	0	0	0	0	0	0	TCL1 upstream neural differentiation-associated RNA [Source:HG	chr14:9634	.	.	NR_13239	.	.	.	protein_co	ENSG0000	10050704	44088
TUSC1	0	0	0	0	0	0	tumor suppressor candidate 1 [Source:HGNC Symbol;Acc:HGNC:3	chr9:25676	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	286319	31010
TUSC2	36.3203	36.7876	33.3658	43.3905	36.5181	22.4809	tumor suppressor candidate 2 [Source:HGNC Symbol;Acc:HGNC:1	chr3:50362	NM_00727	.	.	.	NP_00920	.	protein_co	ENSG0000	11334	17034
TUSC3	0.137297	0.070484	0.357756	0	0	0	tumor suppressor candidate 3 [Source:HGNC Symbol;Acc:HGNC:3	chr8:15397	NM_00676	XM_01154	.	.	NP_00675	XP_01154	protein_co	ENSG0000	7991	30242
TUSC5	0	0	0	0	0	0	tumor suppressor candidate 5 [Source:HGNC Symbol;Acc:HGNC:2	chr17:1182	NM_17236	.	.	.	NP_75895	.	protein_co	ENSG0000	286753	29592
TUT1	16.5344	18.2038	17.694	16.9766	14.9973	11.1615	terminal uridylyl transferase 1, U6 snRNA-specific [Source:HGNC	chr11:6234	NM_02283	.	.	.	NP_07374	.	protein_co	ENSG0000	64852	26184
TVP23A	0	0	0	0	0	0	trans-golgi network vesicle protein 23 homolog A [Source:HGNC	chr16:1083	NM_00107	XM_01152	.	.	NP_00107	XP_00672	protein_co	ENSG0000	780776	20398
TVP23B	31.6404	30.671	32.0461	28.6196	34.5806	35.7921	trans-golgi network vesicle protein 23 homolog B (S. cerevisiae) [	chr17:1868	NM_00131	XM_01152	.	.	NP_00130	XP_00525	protein_co	ENSG0000	51030	20399
TVP23C	1.96012	2.19209	1.30234	1.50801	1.86286	2.46485	trans-golgi network vesicle protein 23 homolog C (S. cerevisiae) [	chr17:1533	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	201158	30453
TVP23C-CDRT4	2.12882	2.18329	4.22197	2.52308	3.13257	2.63789	TVP23C-CDRT4 readthrough [Source:HGNC Symbol;Acc:HGNC:42	chr17:1533	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	10053349	42961
TWF1	37.8795	40.6253	36.34	38.6697	41.3374	44.0576	twinfilin actin binding protein 1 [Source:HGNC Symbol;Acc:HGNC	chr12:4418	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	5756	9620
TWF2	66.6162	71.5352	75.3673	79.6515	61.6019	81.2907	twinfilin actin binding protein 2 [Source:HGNC Symbol;Acc:HGNC	chr3:52255	NM_00728	.	.	.	NP_00921	.	protein_co	ENSG0000	11344	9621
TWIST1	1.24414	2.09371	1.88589	0.638735	1.78162	1.25845	twist family bHLH transcription factor 1 [Source:HGNC Symbol;Ac	chr7:19155	NM_00047	XM_01151	.	.	NP_00046	XP_01151	protein_co	ENSG0000	7291	12428
TWIST2	0	0	0	0	0	0	twist family bHLH transcription factor 2 [Source:HGNC Symbol;Ac	chr2:23979	NM_00127	XM_00671	.	.	NP_00125	XP_00671	protein_co	ENSG0000	117581	20670
TWISTNB	12.2836	12.9985	12.8169	13.8018	18.2769	15.7515	TWIST neighbor [Source:HGNC Symbol;Acc:HGNC:18027]	chr7:19735	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	221830	18027
TWSG1	15.9873	19.0924	19.4091	21.4098	23.5643	23.2244	twisted gastrulation BMP signaling modulator 1 [Source:HGNC Sy	chr18:9334	NM_02064	.	.	.	NP_06569	.	protein_co	ENSG0000	57045	12429
TXK	0.767744	0.522705	1.07155	0.30255	0.340109	0.457784	TXK tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:12434]	chr4:48068	NM_00332	.	.	.	NP_00331	XP_01151	protein_co	ENSG0000	7294	12434
TXLNA	18.5757	19.8968	17.4403	19.2873	20.0369	15.7328	taxilin alpha [Source:HGNC Symbol;Acc:HGNC:30685]	chr1:32645	NM_17585	XM_01700	.	.	NP_78704	XP_01153	protein_co	ENSG0000	200081	30685
TXLNB	0.014037	0.014691	0.024537	0.015749	0	0.028419	taxilin beta [Source:HGNC Symbol;Acc:HGNC:21617]	chr6:13956	NM_15323	XM_01701	.	.	NP_69496	XP_00526	protein_co	ENSG0000	167838	21617
TXLNG	14.4103	14.2241	14.9812	13.8056	17.8229	17.1829	taxilin gamma [Source:HGNC Symbol;Acc:HGNC:18578]	chrX:16804	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	55787	18578
TXN	539.809	483.275	452.927	701.953	585.818	549.369	thioredoxin [Source:HGNC Symbol;Acc:HGNC:12435]	chr9:11300	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	7295	12435
TXN2	59.8461	63.1587	61.7373	74.6479	60.8425	55.8636	thioredoxin 2 [Source:HGNC Symbol;Acc:HGNC:17772]	chr22:3686	NM_01247	XM_00672	.	.	NP_03660	XP_00526	protein_co	ENSG0000	25828	17772
TXNDC11	12.3113	11.7066	9.92015	10.6137	10.866	8.68469	thioredoxin domain containing 11 [Source:HGNC Symbol;Acc:HG	chr16:1176	NM_00130	XM_01152	.	.	NP_00129	XP_01152	protein_co	ENSG0000	51061	28030
TXNDC12	49.4709	47.0618	41.1331	54.5969	56.6179	80.3361	thioredoxin domain containing 12 [Source:HGNC Symbol;Acc:HG	chr1:52485	NM_01591	.	.	.	NP_05699	.	protein_co	ENSG0000	51060	24626
TXNDC15	9.28168	8.38537	7.84692	7.39586	7.3573	6.36582	thioredoxin domain containing 15 [Source:HGNC Symbol;Acc:HG	chr5:13420	NM_02471	.	.	.	NP_07899	.	protein_co	ENSG0000	79770	20652
TXNDC16	0.853723	0.807164	1.2819	0.794627	0.976853	1.67094	thioredoxin domain containing 16 [Source:HGNC Symbol;Acc:HG	chr14:5289	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	57544	19965
TXNDC17	121.551	100.894	123.154	152.464	118.057	127.488	thioredoxin domain containing 17 [Source:HGNC Symbol;Acc:HG	chr17:6481	NM_03273	.	.	.	NP_11612	.	protein_co	ENSG0000	84817	28218
TXNDC2	0.021596	0.022087	0.023876	0.029091	0.038648	0.036367	thioredoxin domain containing 2 [Source:HGNC Symbol;Acc:HGN	chr18:9885	NM_00109	XM_01702	.	.	NP_00109	XP_01688	protein_co	ENSG0000	84203	16470
TXNDC5	146.234	142.056	133.012	140.52	132.808	139.136	thioredoxin domain containing 5 [Source:HGNC Symbol;Acc:HGN	chr6:78817	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	81567	21073
TXNDC8	0	0	0	0	0	0	thioredoxin domain containing 8 [Source:HGNC Symbol;Acc:HGN	chr9:11306	NM_00100	XM_01701	.	.	NP_00100	XP_01687	protein_co	ENSG0000	255220	31454
TXNDC9	14.9526	14.5785	17.8947	14.6169	16.5303	13.8255	thioredoxin domain containing 9 [Source:HGNC Symbol;Acc:HGN	chr2:99935	NM_00578	.	.	.	NP_00577	XP_01685	protein_co	ENSG0000	10190	24110
TXNIP	0	0	0	0	0	0	thioredoxin interacting protein [Source:HGNC Symbol;Acc:HGNC:	chr1:14543	NM_00647	.	.	.	NP_00130	XP_01685	protein_co	ENSG0000	10628	16952
TXNL1	40.4116	33.7952	36.2463	38.0282	50.5911	46.3832	thioredoxin like 1 [Source:HGNC Symbol;Acc:HGNC:12436]	chr18:5426	NM_00478	XM_01152	.	.	NP_00477	XP_00672	protein_co	ENSG0000	9352	12436
TXNL4A	118.718	116.161	101.676	136.852	110.558	114.555	thioredoxin like 4A [Source:HGNC Symbol;Acc:HGNC:30551]	chr18:7772	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	10907	30551
TXNL4B	11.8639	11.9842	8.7876	11.682	9.43449	8.525	thioredoxin like 4B [Source:HGNC Symbol;Acc:HGNC:26041]	chr16:7211	NM_00114	.	.	.	NP_00113	XP_01687	protein_co	ENSG0000	54957	26041
TXNRD1	163.651	175.715	135.459	169.959	171.482	212.779	thioredoxin reductase 1 [Source:HGNC Symbol;Acc:HGNC:12437]	chr12:1046	NM_00109	.	.	.	NP_00108	.	protein_co	ENSG0000	7296	12437
TXNRD2	7.55353	8.23867	7.158	8.81886	7.38646	6.44142	thioredoxin reductase 2 [Source:HGNC Symbol;Acc:HGNC:18155]	chr22:1986	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	10587	18155
TXNRD3	6.1233	6.39529	10.1351	7.51539	6.2702	8.69019	thioredoxin reductase 3 [Source:HGNC Symbol;Acc:HGNC:20667]	chr3:12629	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	114112	20667
TXNRD3NB	0.074417	3.52E-21	0.074484	6.45E-21	8.87E-28	7.84E-33	thioredoxin reductase 3 neighbor [Source:HGNC Symbol;Acc:HGN	chr3:12629	.	.	.	.	.	.	protein_co	ENSG0000	.	33870
TYK2	17.1619	16.8922	15.5814	18.5685	15.9542	12.3698	tyrosine kinase 2 [Source:HGNC Symbol;Acc:HGNC:12440]	chr19:1046	NM_00333	XM_01152	.	.	NP_00332	XP_01152	protein_co	ENSG0000	7297	12440
TYMP	34.923	37.3711	26.9833	21.6488	18.0515	18.3132	thymidine phosphorylase [Source:HGNC Symbol;Acc:HGNC:3148]	chr22:5096	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	1890	3148
TYMS	165.438	151.958	145.423	228.278	228.87	167.178	thymidylate synthetase [Source:HGNC Symbol;Acc:HGNC:12441]	chr18:6576	NM_00107	.	.	.	NP_00106	.	protein_co	ENSG0000	7298	12441

TYR	0	0	0	0	0	0	tyrosinase [Source:HGNC Symbol;Acc:HGNC:12442]	chr11:8891	NM_00037	.	.	.	NP_00036	.	protein_co	ENSG0000	7299	12442
TYRO3	10.1407	10.6919	12.0226	12.6225	11.1518	8.76565	TYRO3 protein tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:1	chr15:4184	NM_00629	XM_01152	.	.	NP_00628	XP_01152	protein_co	ENSG0000	7301	12446
TYROBP	0	0	0	0	0	0	TYRO protein tyrosine kinase binding protein [Source:HGNC Symb	chr19:3639	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	7305	12449
TYRP1	0	0	0	0	0	0.02902	tyrosinase related protein 1 [Source:HGNC Symbol;Acc:HGNC:124	chr9:12693	NM_00055	.	.	.	NP_00054	.	protein_co	ENSG0000	7306	12450
TYSND1	5.63453	5.66874	6.17011	5.02629	4.22281	5.45061	trypsin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28	chr10:7189	NM_00104	.	NR_07358	.	NP_00103	.	protein_co	ENSG0000	219743	28531
TYW1	8.44576	8.11261	7.35157	9.2141	8.50743	7.68057	tRNA-yW synthesizing protein 1 homolog [Source:HGNC Symbol;	chr7:66461	NM_01826	XM_01151	.	.	NP_06073	XP_011514	protein_co	ENSG0000	55253	25598
TYW1B	0.843753	0.877804	0.822796	0.964323	0.708587	0.939844	tRNA-yW synthesizing protein 1 homolog B [Source:HGNC Symbo	chr7:72023	NM_00114	XM_01151	.	.	NP_00113	XP_011514	protein_co	ENSG0000	441250	33908
TYW3	20.0179	19.285	17.5688	20.7868	24.4551	20.0359	tRNA-yW synthesizing protein 3 homolog [Source:HGNC Symbol;	chr1:75171	NM_00116	XM_00671	.	.	NP_00115	XP_00671	protein_co	ENSG0000	127253	24757
TYW5	3.5767	2.92709	3.38525	3.38875	3.64662	3.16192	tRNA-yW synthesizing protein 5 [Source:HGNC Symbol;Acc:HGNC	chr2:20079	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	129450	26754
U2AF1	47.3724	52.6111	49.6796	77.6607	60.7578	72.4566	U2 small nuclear RNA auxiliary factor 1 [Source:HGNC Symbol;Ac	chr21:4451	NM_00102	XM_01152	.	.	NP_00102	XP_011528	protein_co	ENSG0000	102724594	12453
U2AF1L4	4.14914	4.624	2.25606	2.42841	1.32869	3.06799	U2 small nuclear RNA auxiliary factor 1 like 4 [Source:HGNC Symb	chr19:3623	NM_00104	.	NR_11017	.	NP_00103	.	protein_co	ENSG0000	199746	23020
U2AF1L5	147.901	141.965	117.317	180.868	173.261	102.088	U2 small nuclear RNA auxiliary factor 1 like 5 [Source:HGNC Symb	chr21:4451	.	XM_00672	.	.	.	XP_006723	protein_co	ENSG0000	.	51830
U2AF2	108.407	111.156	95.4596	139.18	119.976	90.7282	U2 small nuclear RNA auxiliary factor 2 [Source:HGNC Symbol;Ac	chr19:5616	NM_00101	XM_01152	.	.	NP_00101	XP_006723	protein_co	ENSG0000	11338	23156
U2SURP	39.3939	37.0069	35.4866	36.4438	43.5882	39.7441	U2 snRNP associated SURP domain containing [Source:HGNC Sym	chr3:14272	NM_00108	XM_00524	.	.	NP_00107	XP_005247	protein_co	ENSG0000	23350	30855
U82695.5	0.033221	0	0.028938	0	0	0	.	chrX:15266	.	.	.	.	.	.	protein_co	ENSG0000	.	.
UACA	8.11852	6.86244	8.58914	6.22788	8.52202	10.7264	uveal autoantigen with coiled-coil domains and ankyrin repeats [	chr15:7094	NM_00100	XM_01152	.	.	NP_00100	XP_005254	protein_co	ENSG0000	55075	15947
UAP1	24.6318	25.3787	27.6419	27.1105	30.5864	30.451	UDP-N-acetylglucosamine pyrophosphorylase 1 [Source:HGNC Sy	chr1:16253	NM_00132	XM_01150	.	.	NP_00131	XP_005245	protein_co	ENSG0000	6675	12457
UAP1L1	6.2812	5.9936	6.69244	6.23927	5.85368	4.648	UDP-N-acetylglucosamine pyrophosphorylase 1 like 1 [Source:HG	chr9:13997	NM_20730	XM_00671	.	.	NP_99719	XP_006717	protein_co	ENSG0000	91373	28082
UBA1	131.372	139.198	134.581	151.15	136.742	140.515	ubiquitin like modifier activating enzyme 1 [Source:HGNC Symbol	chrX:47050	NM_00333	XM_01702	.	.	NP_00332	XP_005272	protein_co	ENSG0000	7317	12469
UBA2	44.2743	42.265	44.1086	55.4538	46.8969	52.961	ubiquitin like modifier activating enzyme 2 [Source:HGNC Symbol	chr19:3491	NM_00549	XM_01152	.	.	NP_00549	XP_005258	protein_co	ENSG0000	10054	30661
UBA3	23.2075	23.6591	24.9952	27.5066	26.5745	24.501	ubiquitin like modifier activating enzyme 3 [Source:HGNC Symbol	chr3:69103	NM_00396	XM_01153	.	.	NP_00395	XP_011532	protein_co	ENSG0000	9039	12470
UBA5	20.0935	20.12	18.5415	20.3065	26.4071	23.4427	ubiquitin like modifier activating enzyme 5 [Source:HGNC Symbol	chr3:13227	NM_02481	XM_01151	.	.	NP_00130	XP_011511	protein_co	ENSG0000	79876	23230
UBA52	1324.95	1235.71	1099.84	1627.79	1160.75	1174.36	ubiquitin A-52 residue ribosomal protein fusion product 1 [Source	chr19:1868	NM_00103	XM_00672	.	.	NP_00102	XP_005260	protein_co	ENSG0000	7311	12458
UBA6	10.5899	8.67837	12.3616	9.18269	13.0724	15.478	ubiquitin like modifier activating enzyme 6 [Source:HGNC Symbol	chr4:68478	NM_01822	.	.	.	NP_06069	XP_016863	protein_co	ENSG0000	55236	25581
UBA7	0.35868	0.424861	0.28996	0.136881	0.121068	0.045516	ubiquitin like modifier activating enzyme 7 [Source:HGNC Symbol	chr3:49842	NM_00333	XM_01153	NR_04982	.	NP_00332	XP_005265	protein_co	ENSG0000	100847079	12471
UBAC1	29.9639	26.8834	26.8219	35.1448	26.5214	21.896	UBA domain containing 1 [Source:HGNC Symbol;Acc:HGNC:3022	chr9:13882	NM_01617	.	.	.	NP_05725	.	protein_co	ENSG0000	10422	30221
UBAC2	38.5108	36.3178	43.5726	40.3015	38.9581	45.527	UBA domain containing 2 [Source:HGNC Symbol;Acc:HGNC:2048	chr13:9985	NM_00114	XM_01152	.	.	NP_00113	XP_011519	protein_co	ENSG0000	337867	20486
UBALD1	19.9935	20.9544	20.0588	19.8471	18.3268	18.6288	UBA like domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2	chr16:4658	NM_14525	.	.	.	NP_66029	XP_016878	protein_co	ENSG0000	124402	29576
UBALD2	31.8029	32.1345	24.1726	47.2189	39.8707	47.9775	UBA like domain containing 2 [Source:HGNC Symbol;Acc:HGNC:2	chr17:7426	NM_18256	.	.	.	NP_87237	.	protein_co	ENSG0000	283991	28438
UBAP1	22.9224	22.718	22.9973	26.9498	23.4902	26.9789	ubiquitin associated protein 1 [Source:HGNC Symbol;Acc:HGNC:1	chr9:34179	NM_00117	XM_01151	.	.	NP_00116	XP_006716	protein_co	ENSG0000	51271	12461
UBAP1L	0.998181	0.815429	0.393536	0.461353	0.594836	0.758108	ubiquitin associated protein 1 like [Source:HGNC Symbol;Acc:HGN	chr15:6538	NM_00116	XM_01152	.	.	NP_00115	XP_011519	protein_co	ENSG0000	390595	40028
UBAP2	22.993	20.5582	21.8265	23.6297	20.4861	19.7057	ubiquitin associated protein 2 [Source:HGNC Symbol;Acc:HGNC:1	chr9:33921	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	55833	14185
UBAP2L	49.8006	56.5458	49.5548	58.4973	53.0872	40.1137	ubiquitin associated protein 2 like [Source:HGNC Symbol;Acc:HGN	chr1:15417	NM_00112	XM_01700	.	.	NP_00112	XP_005245	protein_co	ENSG0000	9898	29877
UBASH3A	0.07986	0	0	0	0	0	ubiquitin associated and SH3 domain containing A [Source:HGNC	chr21:4382	NM_00100	XM_01152	.	.	NP_00100	XP_006724	protein_co	ENSG0000	53347	12462
UBASH3B	7.52829	8.83854	10.5255	8.54875	9.7341	9.10999	ubiquitin associated and SH3 domain containing B [Source:HGNC	chr11:1225	NM_03287	XM_01154	.	.	NP_11626	XP_005271	protein_co	ENSG0000	84959	29884
UBB	790.964	794.386	781.945	1159.82	942.882	887.747	ubiquitin B [Source:HGNC Symbol;Acc:HGNC:12463]	chr17:1628	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	7314	12463
UBC	210.881	201.457	175.916	232.27	195.009	213.252	ubiquitin C [Source:HGNC Symbol;Acc:HGNC:12468]	chr12:1253	NM_02100	.	.	.	NP_06628	.	protein_co	ENSG0000	7316	12468
UBD	0.065572	0.068628	0.461048	0	0.073536	0	ubiquitin D [Source:HGNC Symbol;Acc:HGNC:18795]	chr6:29523	NM_00639	.	.	.	.	.	protein_co	ENSG0000	10537	18795
UBE2A	43.7361	51.0276	36.9952	55.6382	61.2537	51.3416	ubiquitin conjugating enzyme E2 A [Source:HGNC Symbol;Acc:HG	chrX:11870	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	7319	12472
UBE2B	16.5425	17.6614	14.9831	16.8721	16.906	17.9558	ubiquitin conjugating enzyme E2 B [Source:HGNC Symbol;Acc:HG	chr5:13370	NM_00333	.	.	.	NP_00332	.	protein_co	ENSG0000	7320	12473
UBE2C	222.222	218.194	170.207	310.504	253.66	186.163	ubiquitin conjugating enzyme E2 C [Source:HGNC Symbol;Acc:HG	chr20:4444	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	11065	15937
UBE2D1	5.87103	7.72135	6.67805	6.22112	5.71867	7.80243	ubiquitin conjugating enzyme E2 D1 [Source:HGNC Symbol;Acc:H	chr10:6009	NM_00120	XM_01701	.	.	NP_00119	XP_016872	protein_co	ENSG0000	7321	12474
UBE2D2	61.0181	52.1161	63.366	58.9337	93.8951	83.7696	ubiquitin conjugating enzyme E2 D2 [Source:HGNC Symbol;Acc:H	chr5:13890	NM_00333	.	.	.	NP_00333	.	protein_co	ENSG0000	7322	12475
UBE2D3	120.823	105.617	104.82	137.47	139.618	154.145	ubiquitin conjugating enzyme E2 D3 [Source:HGNC Symbol;Acc:H	chr4:10371	NM_00130	XM_01153	.	.	NP_00128	XP_005263	protein_co	ENSG0000	7323	12476
UBE2D4	4.47189	5.57478	4.84272	2.97675	3.78567	3.40754	ubiquitin conjugating enzyme E2 D4 (putative) [Source:HGNC Sym	chr7:43966	NM_01598	XM_01151	.	.	NP_05706	XP_006715	protein_co	ENSG0000	51619	21647
UBE2E1	58.2005	50.9858	54.2018	53.6246	59.3406	60.9221	ubiquitin conjugating enzyme E2 E1 [Source:HGNC Symbol;Acc:H	chr3:23847	NM_00120	XM_00526	.	.	NP_00118	XP_005265	protein_co	ENSG0000	7324	12477
UBE2E2	13.997	19.282	20.6526	22.6424	20.2202	25.6047	ubiquitin conjugating enzyme E2 E2 [Source:HGNC Symbol;Acc:H	chr3:23244	NM_15265	XM_00526	.	.	NP_68986	XP_005265	protein_co	ENSG0000	7325	12478
UBE2E3	36.2061	35.0728	41.5034	53.7298	54.5037	48.8622	ubiquitin conjugating enzyme E2 E3 [Source:HGNC Symbol;Acc:H	chr2:18184	NM_00127	XM_01151	.	.	NP_00126	XP_005246	protein_co	ENSG0000	10477	12479
UBE2F	15.08	13.6116	14.7912	18.9405	15.6655	14.4523	ubiquitin conjugating enzyme E2 F (putative) [Source:HGNC Symb	chr2:23887	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	140739	12480
UBE2G1	27.5101	28.8783	29.7213	32.5195	35.9979	37.0709	ubiquitin conjugating enzyme E2 G1 [Source:HGNC Symbol;Acc:H	chr17:4172	NM_00334	.	.	.	NP_00333	.	protein_co	ENSG0000	7326	12482
UBE2G2	42.4734	41.6665	42.58	44.9585	45.2909	35.3029	ubiquitin conjugating enzyme E2 G2 [Source:HGNC Symbol;Acc:H	chr21:4618	NM_00334	.	.	.	NP_00333	XP_016883	protein_co	ENSG0000	7327	12483
UBE2H	45.182	47.9924	55.8467	36.419	37.5706	44.1063	ubiquitin conjugating enzyme E2 H [Source:HGNC Symbol;Acc:HG	chr7:12947	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	7328	12484
UBE2I	103.584	97.7548	89.4073	120.152	104.789	99.9691	ubiquitin conjugating enzyme E2 I [Source:HGNC Symbol;Acc:HGN	chr16:1358	NM_00334	XM_01152	.	.	NP_00333	XP_005255	protein_co	ENSG0000	7329	12485
UBE2J1	16.4425	17.8146	13.7864	15.8407	17.3527	18.5449	ubiquitin conjugating enzyme E2 J1 [Source:HGNC Symbol;Acc:H	chr6:90036	NM_01602	XM_01153	.	.	NP_05710	XP_011534	protein_co	ENSG0000	51465	17598
UBE2J2	33.4372	35.1595	31.581	36.7284	35.2338	29.5916	ubiquitin conjugating enzyme E2 J2 [Source:HGNC Symbol;Acc:H	chr1:11892	NM_05816	XM_01154	.	.	NP_47751	XP_005244	protein_co	ENSG0000	118424	19268
UBE2K	55.6681	59.8566	53.6168	56.9989	67.1398	62.8399	ubiquitin conjugating enzyme E2 K [Source:HGNC Symbol;Acc:HG	chr4:39699	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	3093	4914
UBE2L3	51.8015	49.6832	46.4302	64.5381	52.9525	48.9625	ubiquitin conjugating enzyme E2 L3 [Source:HGNC Symbol;Acc:H	chr22:2189	NM_00125	.	NR_04608	.	NP_00124	.	protein_co	ENSG0000	7332	12488
UBE2L5P	0.048198	0.364767	0	0.108028	0.253794	0.20017	ubiquitin conjugating enzyme E2 L5, pseudogene [Source:HGNC S	chr13:3099	.	.	.	.	.	.	protein_co	ENSG0000	.	13477
UBE2L6	25.8771	24.0056	24.3253	20.2945	19.7864	19.335	ubiquitin conjugating enzyme E2 L6 [Source:HGNC Symbol;Acc:H	chr11:5731	NM_00422	.	.	.	NP_00421	.	protein_co	ENSG0000	9246	12490

UBE2M	80.3639	79.3796	65.9696	96.3609	83.2617	67.5951	ubiquitin conjugating enzyme E2 M [Source:HGNC Symbol;Acc:H	chr19:5906	NM_00396	.	.	.	NP_00396	.	protein_co	ENSG0000	9040	12491
UBE2N	124.353	112.103	116.228	140.31	144.192	121.702	ubiquitin conjugating enzyme E2 N [Source:HGNC Symbol;Acc:HG	chr12:9377	NM_00334	.	.	.	NP_00333	.	protein_co	ENSG0000	7334	12492
UBE2O	21.6083	21.4487	20.8412	21.7112	20.5591	18.3474	ubiquitin conjugating enzyme E2 O [Source:HGNC Symbol;Acc:HG	chr17:7438	NM_02206	XM_01152	.	.	NP_07134	XP_005257	protein_co	ENSG0000	63893	29554
UBE2Q1	26.9737	26.8489	24.9347	36.5945	35.0074	30.1982	ubiquitin conjugating enzyme E2 Q1 [Source:HGNC Symbol;Acc:H	chr1:15452	NM_01758	.	.	.	NP_06005	.	protein_co	ENSG0000	55585	15698
UBE2Q2	4.94431	5.15641	6.00562	6.19047	7.1947	7.55099	ubiquitin conjugating enzyme E2 Q2 [Source:HGNC Symbol;Acc:H	chr15:7613	NM_00114	XM_01152	.	.	NP_00113	.	protein_co	ENSG0000	92912	19248
UBE2Q2L	0.204179	0.415141	0.177382	0	0	0	ubiquitin conjugating enzyme E2 Q2 like [Source:HGNC Symbol;A	chr15:8484	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	100505679	44656
UBE2QL1	0	0	0	0	0	0	ubiquitin conjugating enzyme E2 Q family like 1 [Source:HGNC Sy	chr5:64487	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	134111	37269
UBE2R2	19.2461	21.4995	20.3696	22.4065	21.0835	22.6992	ubiquitin conjugating enzyme E2 R2 [Source:HGNC Symbol;Acc:H	chr9:33817	NM_01781	.	.	.	NP_06028	.	protein_co	ENSG0000	54926	19907
UBE2S	101.332	136.941	111.024	209.032	140.903	176.481	ubiquitin conjugating enzyme E2 S [Source:HGNC Symbol;Acc:HG	chr19:5589	NM_01450	.	.	.	NP_05531	.	protein_co	ENSG0000	27338	17895
UBE2T	79.7312	70.9102	64.5666	121.913	112.222	110.316	ubiquitin conjugating enzyme E2 T [Source:HGNC Symbol;Acc:HG	chr1:20230	NM_00131	.	.	.	NP_00129	.	protein_co	ENSG0000	29089	25009
UBE2U	0	0	0	0	0	0	ubiquitin conjugating enzyme E2 U (putative) [Source:HGNC Sym	chr1:64669	NM_15248	XM_01154	.	.	NP_68970	XP_00527	protein_co	ENSG0000	148581	28559
UBE2V1	88.5397	93.279	89.8606	98.2358	97.91	83.4949	ubiquitin conjugating enzyme E2 V1 [Source:HGNC Symbol;Acc:H	chr20:4869	NM_00103	.	NR_04755	.	NP_00102	.	protein_co	ENSG0000	7335	12494
UBE2V2	41.2162	36.7891	37.393	39.6214	45.5289	51.4624	ubiquitin conjugating enzyme E2 V2 [Source:HGNC Symbol;Acc:H	chr8:48920	NM_00335	XM_00525	.	.	NP_00334	XP_005251	protein_co	ENSG0000	7336	12495
UBE2W	16.1379	16.9738	16.797	13.8346	19.8474	26.7951	ubiquitin conjugating enzyme E2 W (putative) [Source:HGNC Sym	chr8:74698	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	55284	25616
UBE2Z	91.6439	90.8478	82.9139	88.5882	81.193	85.6427	ubiquitin conjugating enzyme E2 Z [Source:HGNC Symbol;Acc:HG	chr17:4698	NM_02307	.	.	.	NP_07556	.	protein_co	ENSG0000	65264	25847
UBE3A	20.7005	22.6073	21.7286	21.2758	26.5813	26.3103	ubiquitin protein ligase E3A [Source:HGNC Symbol;Acc:HGNC:124	chr15:2557	NM_00046	XM_01702	.	.	NP_00045	XP_005268	protein_co	ENSG0000	7337	12496
UBE3B	9.83474	10.1258	10.0636	8.86837	9.66714	9.6275	ubiquitin protein ligase E3B [Source:HGNC Symbol;Acc:HGNC:134	chr12:1098	NM_00127	XM_01153	.	.	NP_00125	XP_005254	protein_co	ENSG0000	89910	13478
UBE3C	32.7701	36.7726	37.0998	39.2916	42.1996	37.3662	ubiquitin protein ligase E3C [Source:HGNC Symbol;Acc:HGNC:168	chr7:15693	NM_01467	XM_01151	.	.	NP_05548	XP_005249	protein_co	ENSG0000	9690	16803
UBE3D	3.83304	4.27168	5.22635	6.46287	6.2721	5.43686	ubiquitin protein ligase E3D [Source:HGNC Symbol;Acc:HGNC:213	chr6:83602	NM_00130	XM_01153	.	.	NP_00129	XP_011534	protein_co	ENSG0000	90025	21381
UBE4A	22.6647	23.4076	22.3541	20.8446	23.0219	24.6053	ubiquitination factor E4A [Source:HGNC Symbol;Acc:HGNC:12499	chr11:1182	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	9354	12499
UBE4B	14.3395	15.4628	13.3362	8.27348	8.90232	8.57254	ubiquitination factor E4B [Source:HGNC Symbol;Acc:HGNC:12500	chr1:10092	NM_00110	XM_01154	.	.	NP_00109	XP_005263	protein_co	ENSG0000	10277	12500
UBFD1	41.2728	42.6262	35.8067	36.8569	37.1799	33.9795	ubiquitin family domain containing 1 [Source:HGNC Symbol;Acc:H	chr16:2353	NM_01911	XM_01154	.	.	NP_06198	XP_011544	protein_co	ENSG0000	56061	30565
UBIAD1	11.6358	10.7278	11.6463	13.3355	11.5708	9.31915	UbiA prenyltransferase domain containing 1 [Source:HGNC Symb	chr1:11333	NM_01333	XM_01154	.	.	NP_03745	XP_011539	protein_co	ENSG0000	29914	30791
UBL3	5.56785	6.20577	6.55479	4.69919	5.24814	7.31516	ubiquitin like 3 [Source:HGNC Symbol;Acc:HGNC:12504]	chr13:3033	NM_00710	.	.	.	NP_00903	.	protein_co	ENSG0000	5412	12504
UBL4A	29.3348	32.9569	28.136	35.2009	29.8219	22.9175	ubiquitin like 4A [Source:HGNC Symbol;Acc:HGNC:12505]	chrX:15371	NM_01423	.	.	.	NP_05505	.	protein_co	ENSG0000	8266	12505
UBL4B	0.051644	0.155154	0	0	0	0.056326	ubiquitin like 4B [Source:HGNC Symbol;Acc:HGNC:32309]	chr1:11065	NM_20341	.	.	.	NP_98195	.	protein_co	ENSG0000	164153	32309
UBL5	410.614	381.368	362.341	529.094	368.769	347.529	ubiquitin like 5 [Source:HGNC Symbol;Acc:HGNC:13736]	chr19:9938	NM_00104	.	.	.	NP_00104	.	protein_co	ENSG0000	59286	13736
UBL7	39.1748	38.7371	37.1529	51.4251	37.3477	37.8273	ubiquitin like 7 [Source:HGNC Symbol;Acc:HGNC:28221]	chr15:7473	NM_00128	XM_01152	.	.	NP_00127	XP_01152	protein_co	ENSG0000	84993	28221
UBLCP1	18.9006	19.9551	22.2891	21.1757	28.6429	21.7102	ubiquitin like domain containing CTD phosphatase 1 [Source:HGN	chr5:15869	NM_14504	.	.	.	NP_65948	.	protein_co	ENSG0000	134510	28110
UBN1	13.1678	14.4583	13.6686	13.9303	13.2369	11.3822	ubinuclein 1 [Source:HGNC Symbol;Acc:HGNC:12506]	chr16:4897	NM_00107	XM_01152	.	.	NP_00107	XP_005255	protein_co	ENSG0000	29855	12506
UBN2	3.27678	3.14522	3.11382	2.25354	2.80301	3.38664	ubinuclein 2 [Source:HGNC Symbol;Acc:HGNC:21931]	chr7:13891	NM_17356	XM_01151	.	.	NP_77584	XP_00525	protein_co	ENSG0000	254048	21931
UBOX5	4.14204	3.81481	4.14984	4.00124	3.93762	2.90867	U-box domain containing 5 [Source:HGNC Symbol;Acc:HGNC:177	chr20:3088	NM_00126	.	.	.	NP_00125	.	protein_co	ENSG0000	22888	17777
UBP1	31.9556	31.6251	28.8818	31.6989	37.8919	30.0143	upstream binding protein 1 (LBP-1a) [Source:HGNC Symbol;Acc:H	chr3:33429	NM_00112	XM_01153	.	.	NP_00112	.	protein_co	ENSG0000	7342	12507
UBQLN1	66.4573	72.1688	56.0328	84.5549	82.3027	71.4203	ubiquilin 1 [Source:HGNC Symbol;Acc:HGNC:12508]	chr9:86274	NM_01343	.	.	.	NP_03846	.	protein_co	ENSG0000	29979	12508
UBQLN2	13.8656	16.8287	12.7698	15.5979	14.9373	11.2499	ubiquilin 2 [Source:HGNC Symbol;Acc:HGNC:12509]	chrX:56590	NM_01344	.	.	.	NP_03847	.	protein_co	ENSG0000	29978	12509
UBQLN3	0	0	0	0	0	0	ubiquilin 3 [Source:HGNC Symbol;Acc:HGNC:12510]	chr11:5269	NM_01748	XM_01152	.	.	NP_05950	XP_011518	protein_co	ENSG0000	50613	12510
UBQLN4	30.9394	29.8157	30.5107	33.9262	31.9534	24.4553	ubiquilin 4 [Source:HGNC Symbol;Acc:HGNC:1237]	chr1:15600	NM_00130	XM_00524	.	.	NP_00129	.	protein_co	ENSG0000	56893	1237
UBQLNL	0.143084	0.177615	0.024823	0.094454	0.194051	0.209788	ubiquilin-like [Source:HGNC Symbol;Acc:HGNC:28294]	chr11:5269	NM_14505	.	.	.	NP_65949	.	protein_co	ENSG0000	143630	28294
UBR1	5.25844	5.67072	5.93417	6.21582	7.67475	7.91866	ubiquitin protein ligase E3 component n-recognin 1 [Source:HGN	chr15:4323	NM_17491	.	.	.	NP_77757	.	protein_co	ENSG0000	197131	16808
UBR2	7.04135	7.12697	7.16473	6.66176	7.24149	7.68516	ubiquitin protein ligase E3 component n-recognin 2 [Source:HGN	chr6:42531	NM_00118	XM_01701	.	.	NP_00117	XP_005249	protein_co	ENSG0000	23304	21289
UBR3	6.41939	6.65007	6.7985	6.6675	7.41507	7.17731	ubiquitin protein ligase E3 component n-recognin 3 (putative) [S	chr2:17068	NM_17207	XM_00671	.	.	NP_74206	XP_005246	protein_co	ENSG0000	130507	30467
UBR4	25.6318	26.5738	22.7739	23.2391	20.3914	22.7484	ubiquitin protein ligase E3 component n-recognin 4 [Source:HGN	chr1:19400	NM_02076	XM_01700	.	.	NP_06581	XP_011539	protein_co	ENSG0000	23352	30313
UBR5	31.3533	30.9301	27.9946	21.5957	24.3011	24.6704	ubiquitin protein ligase E3 component n-recognin 5 [Source:HGN	chr8:10326	NM_00128	XM_01151	.	.	NP_00126	XP_011515	protein_co	ENSG0000	51366	16806
UBR7	21.5196	21.6861	18.4567	24.0877	24.9672	21.0443	ubiquitin protein ligase E3 component n-recognin 7 (putative) [S	chr14:9365	NM_17574	.	.	.	NP_78692	.	protein_co	ENSG0000	55148	20344
UBTD1	9.26722	9.07931	10.9368	12.6483	10.7197	10.3407	ubiquitin domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2	chr10:9925	NM_02495	.	.	.	NP_07923	.	protein_co	ENSG0000	80019	25683
UBTD2	14.1865	13.7639	14.7104	14.1173	15.8447	17.036	ubiquitin domain containing 2 [Source:HGNC Symbol;Acc:HGNC:2	chr5:17163	NM_15227	XM_01701	.	.	NP_68949	XP_016865	protein_co	ENSG0000	92181	24463
UBTF	41.7645	42.5291	29.8872	46.4223	43.2427	24.5984	upstream binding transcription factor, RNA polymerase I [Source	chr17:4228	NM_00107	XM_01702	.	.	NP_00107	XP_006722	protein_co	ENSG0000	7343	12511
UBTFL1	0	0	0	0	0	0	upstream binding transcription factor, RNA polymerase I-like 1 [S	chr11:8981	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	642623	14533
UBXN1	69.1934	68.9578	63.7264	76.2681	58.055	58.8603	UBX domain protein 1 [Source:HGNC Symbol;Acc:HGNC:18402]	chr11:6244	NM_00128	XM_00527	.	.	NP_00127	XP_005274	protein_co	ENSG0000	51035	18402
UBXN10	0	0	0.011336	0	0	0	UBX domain protein 10 [Source:HGNC Symbol;Acc:HGNC:26354]	chr1:20512	NM_15237	XM_01154	.	.	NP_68958	XP_005245	protein_co	ENSG0000	127733	26354
UBXN11	8.18477	9.10171	6.42786	10.3439	8.16508	4.50243	UBX domain protein 11 [Source:HGNC Symbol;Acc:HGNC:30600]	chr1:26605	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	91544	30600
UBXN2A	6.82092	5.74066	6.75919	6.12588	7.44382	8.20893	UBX domain protein 2A [Source:HGNC Symbol;Acc:HGNC:27265]	chr2:24150	NM_18171	XM_01153	.	.	NP_85906	XP_005264	protein_co	ENSG0000	165324	27265
UBXN2B	9.19682	8.72762	9.38541	7.3768	12.299	12.7877	UBX domain protein 2B [Source:HGNC Symbol;Acc:HGNC:27035]	chr8:59323	NM_00107	XM_00525	.	.	NP_00107	XP_005251	protein_co	ENSG0000	137886	27035
UBXN4	35.6196	34.9967	33.8861	29.6247	36.6869	38.2231	UBX domain protein 4 [Source:HGNC Symbol;Acc:HGNC:14860]	chr2:13649	NM_01460	.	.	.	NP_05542	.	protein_co	ENSG0000	23190	14860
UBXN6	32.2794	32.7195	33.8758	33.4298	29.2537	36.522	UBX domain protein 6 [Source:HGNC Symbol;Acc:HGNC:14928]	chr19:4445	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	80700	14928
UBXN7	9.82393	11.1451	12.8866	8.97751	11.8835	14.4529	UBX domain protein 7 [Source:HGNC Symbol;Acc:HGNC:29119]	chr3:19607	NM_01556	XM_01151	.	.	NP_05637	XP_01151	protein_co	ENSG0000	26043	29119
UBXN8	11.6	11.2737	9.00202	13.1526	13.2821	11.722	UBX domain protein 8 [Source:HGNC Symbol;Acc:HGNC:30307]	chr8:30589	NM_00128	XM_01154	.	.	NP_00126	XP_011542	protein_co	ENSG0000	7993	30307
UCHL1	0	0	0	0	0	0	ubiquitin C-terminal hydrolase L1 [Source:HGNC Symbol;Acc:HGN	chr4:41258	NM_00418	.	.	.	NP_00417	.	protein_co	ENSG0000	7345	12513
UCHL3	22.3489	17.4355	20.7189	21.072	23.7575	28.3076	ubiquitin C-terminal hydrolase L3 [Source:HGNC Symbol;Acc:HGN	chr13:7612	NM_00127	XM_01702	.	.	NP_00125	XP_011533	protein_co	ENSG0000	7347	12515

UCHL5	23.0741	22.7311	21.5021	28.3856	36.8488	34.0713	ubiquitin C-terminal hydrolase L5 [Source:HGNC Symbol;Acc:HGN	chr1:19298	NM_00119	XM_01700	.	.	NP_00118	XP_005245	protein_co	ENSG0000	51377	19678
UCK1	12.4697	11.3579	10.2922	16.2358	12.947	9.62842	uridine-cytidine kinase 1 [Source:HGNC Symbol;Acc:HGNC:14859	chr9:13437	NM_00113	XM_01151	.	.	NP_00112	XP_005272	protein_co	ENSG0000	83549	14859
UCK2	45.078	47.5826	36.6097	54.1538	47.7407	41.5053	uridine-cytidine kinase 2 [Source:HGNC Symbol;Acc:HGNC:12562	chr1:16569	NM_01247	.	NR_03743	.	NP_03660	.	protein_co	ENSG0000	100500832	12562
UCKL1	27.3329	25.9363	24.2246	30.1325	25.2958	21.0705	uridine-cytidine kinase 1 like 1 [Source:HGNC Symbol;Acc:HGNC:1	chr20:6257	NM_00119	XM_01702	NR_03173	.	NP_00118	XP_005260	protein_co	ENSG0000	100302137	15938
UCMA	0	0	0	0	0	0	upper zone of growth plate and cartilage matrix associated [Sour	chr10:1326	NM_14531	.	.	.	NP_66035	.	protein_co	ENSG0000	221044	25205
UCN	2.78917	3.16638	3.10063	4.60802	3.90534	4.9298	urocortin [Source:HGNC Symbol;Acc:HGNC:12516]	chr2:27505	NM_00335	.	.	.	NP_00334	.	protein_co	ENSG0000	7349	12516
UCN2	0.357231	0.50967	0.69817	0.489824	0.593192	0.447944	urocortin 2 [Source:HGNC Symbol;Acc:HGNC:18414]	chr3:48599	NM_03319	.	.	.	NP_14997	.	protein_co	ENSG0000	90226	18414
UCN3	0	0	0	0	0	0	urocortin 3 [Source:HGNC Symbol;Acc:HGNC:17781]	chr10:5406	NM_05304	.	.	.	NP_44427	.	protein_co	ENSG0000	114131	17781
UCP1	0	0	0	0	0	0	uncoupling protein 1 [Source:HGNC Symbol;Acc:HGNC:12517]	chr4:14148	NM_02183	XM_00526	.	.	NP_06860	XP_005263	protein_co	ENSG0000	7350	12517
UCP2	7.65599	6.45245	9.82308	9.9181	7.36808	6.8859	uncoupling protein 2 [Source:HGNC Symbol;Acc:HGNC:12518]	chr11:7368	NM_00335	.	.	.	NP_00334	.	protein_co	ENSG0000	7351	12518
UCP3	0.583618	0.738776	0.376109	0.676496	0.513687	0.51026	uncoupling protein 3 [Source:HGNC Symbol;Acc:HGNC:12519]	chr11:7371	NM_00335	.	.	.	NP_00334	.	protein_co	ENSG0000	7352	12519
UEVLD	6.04896	6.60779	5.72454	6.95105	7.20675	6.40874	UEV and lactate/malate dehyrogenase domains [Source:HGNC Sy	chr11:1855	NM_00104	XM_01701	.	.	NP_00103	XP_016873	protein_co	ENSG0000	55293	30866
UFC1	66.7801	60.9849	54.5677	54.2807	45.2824	43.169	ubiquitin-fold modifier conjugating enzyme 1 [Source:HGNC Sym	chr1:16112	NM_01640	.	.	.	NP_05749	XP_016856	protein_co	ENSG0000	51506	26941
UFD1L	54.2795	52.9442	39.4455	69.1064	53.8361	38.8511	ubiquitin fusion degradation 1 like (yeast) [Source:HGNC Symbol;	chr22:1943	NM_00103	XM_01153	.	.	NP_00103	XP_011528	protein_co	ENSG0000	7353	12520
UFL1	12.5347	12.2229	10.9355	10.5716	11.5529	12.8152	UFM1 specific ligase 1 [Source:HGNC Symbol;Acc:HGNC:23039]	chr6:96969	NM_01532	.	.	.	NP_05613	.	protein_co	ENSG0000	23376	23039
UFM1	26.5553	26.1246	21.9136	19.5803	22.4566	21.7142	ubiquitin fold modifier 1 [Source:HGNC Symbol;Acc:HGNC:20597	chr13:3892	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	51569	20597
UFSP1	3.15794	2.02058	2.48077	3.46079	2.20441	1.31718	UFM1 specific peptidase 1 (inactive) [Source:HGNC Symbol;Acc:H	chr7:10048	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	402682	33821
UFSP2	16.7794	14.6285	12.5487	14.117	16.0492	16.3449	UFM1 specific peptidase 2 [Source:HGNC Symbol;Acc:HGNC:2564	chr4:18632	NM_01835	.	.	.	NP_06082	.	protein_co	ENSG0000	55325	25640
UGCG	18.4296	16.9102	18.8232	17.0791	25.7876	28.6534	UDP-glucose ceramide glucosyltransferase [Source:HGNC Symbol	chr9:11465	NM_00335	XM_00525	.	.	NP_00334	XP_005252	protein_co	ENSG0000	7357	12524
UGDH	36.3731	38.4626	32.551	36.5916	39.0035	33.3408	UDP-glucose 6-dehydrogenase [Source:HGNC Symbol;Acc:HGNC:	chr4:39500	NM_00118	XM_00526	.	.	NP_00117	XP_005262	protein_co	ENSG0000	7358	12525
UGGT1	16.2397	16.6931	15.2207	15.8	17.8125	16.8605	UDP-glucose glycoprotein glucosyltransferase 1 [Source:HGNC Sy	chr2:12884	NM_02012	XM_01700	.	.	NP_06450	XP_006712	protein_co	ENSG0000	56886	15663
UGGT2	6.63556	6.62156	8.33683	4.42011	6.08914	9.15575	UDP-glucose glycoprotein glucosyltransferase 2 [Source:HGNC Sy	chr13:9645	NM_02012	XM_01152	.	.	NP_06450	XP_011519	protein_co	ENSG0000	55757	15664
UGP2	27.2771	23.03	29.4419	26.4851	31.146	31.4592	UDP-glucose pyrophosphorylase 2 [Source:HGNC Symbol;Acc:HG	chr2:64068	NM_00100	XM_00671	.	.	NP_00100	XP_005264	protein_co	ENSG0000	7360	12527
UGT1A1	0	0.037605	2.48E-14	0	0	0	UDP glucuronosyltransferase family 1 member A1 [Source:HGNC	chr2:23452	NM_00046	.	.	.	NP_00045	.	protein_co	ENSG0000	54658	12530
UGT1A10	0	0	3.8E-14	0	0	0	UDP glucuronosyltransferase family 1 member A10 [Source:HGN	chr2:23452	NM_01907	.	.	.	NP_06194	.	protein_co	ENSG0000	54575	12531
UGT1A3	0	0	2.26E-14	0	0	0	UDP glucuronosyltransferase family 1 member A3 [Source:HGNC	chr2:23452	NM_01909	.	.	.	NP_06196	.	protein_co	ENSG0000	54659	12535
UGT1A4	0	0	2.44E-14	0	0	0	UDP glucuronosyltransferase family 1 member A4 [Source:HGNC	chr2:23452	NM_00712	.	.	.	NP_00905	.	protein_co	ENSG0000	54657	12536
UGT1A5	0	0	4.5E-14	0	0	0	UDP glucuronosyltransferase family 1 member A5 [Source:HGNC	chr2:23452	NM_01907	.	.	.	NP_06195	.	protein_co	ENSG0000	54579	12537
UGT1A6	0	0	0.094587	0	0	0	UDP glucuronosyltransferase family 1 member A6 [Source:HGNC	chr2:23452	NM_00107	.	.	.	NP_00106	.	protein_co	ENSG0000	54578	12538
UGT1A7	0	0	1.35E-13	0	0	0	UDP glucuronosyltransferase family 1 member A7 [Source:HGNC	chr2:23452	NM_01907	.	.	.	NP_06195	.	protein_co	ENSG0000	54577	12539
UGT1A8	0	0	5.4E-14	0	0	0	UDP glucuronosyltransferase family 1 member A8 [Source:HGNC	chr2:23452	NM_01907	.	.	.	NP_06194	.	protein_co	ENSG0000	54576	12540
UGT1A9	0	0	9.73E-15	0	0	0	UDP glucuronosyltransferase family 1 member A9 [Source:HGNC	chr2:23452	NM_02102	.	.	.	NP_06630	.	protein_co	ENSG0000	54600	12541
UGT2A1	0	0	0	0	0	0	UDP glucuronosyltransferase family 2 member A1 complex locus	chr4:70454	NM_00125	.	.	.	NP_00123	.	protein_co	ENSG0000	10941	12542
UGT2A2	0	0	0	0	0	0	UDP glucuronosyltransferase family 2 member A2 [Source:HGNC	chr4:70454	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	574537	28183
UGT2A3	0	0	0	0	0	0	UDP glucuronosyltransferase family 2 member A3 [Source:HGNC	chr4:69794	NM_02474	XM_01153	.	.	NP_07901	XP_011530	protein_co	ENSG0000	79799	28528
UGT2B10	0	0	0	0	0	0	UDP glucuronosyltransferase family 2 member B10 [Source:HGN	chr4:69681	NM_00107	.	.	.	NP_00106	XP_016864	protein_co	ENSG0000	7365	12544
UGT2B11	0	0	0	0	0	0	UDP glucuronosyltransferase family 2 member B11 [Source:HGN	chr4:70065	NM_00107	XM_01153	.	.	NP_00106	XP_011529	protein_co	ENSG0000	10720	12545
UGT2B15	0	0	0.032507	0	0	0	UDP glucuronosyltransferase family 2 member B15 [Source:HGN	chr4:69512	NM_00107	.	.	.	NP_00106	.	protein_co	ENSG0000	7366	12546
UGT2B17	0	0	0	0	0	0	UDP glucuronosyltransferase family 2 member B17 [Source:HGN	chr4:69402	NM_00107	.	.	.	NP_00106	.	protein_co	ENSG0000	7367	12547
UGT2B28	0	0	0	0	0	0	UDP glucuronosyltransferase family 2 member B28 [Source:HGN	chr4:70146	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	54490	13479
UGT2B4	0	0	0	0	0	0	UDP glucuronosyltransferase family 2 member B4 [Source:HGNC	chr4:70345	NM_00129	.	.	.	NP_00128	.	protein_co	ENSG0000	7363	12553
UGT2B7	0.03784	0	0	0	0	0	UDP glucuronosyltransferase family 2 member B7 [Source:HGNC	chr4:69962	NM_00107	XM_01153	.	.	NP_00106	XP_011530	protein_co	ENSG0000	7364	12554
UGT3A1	0	0	0.014246	0	0	0	UDP glycosyltransferase family 3 member A1 [Source:HGNC Symb	chr5:35951	NM_00117	XM_01151	.	.	NP_00116	XP_011512	protein_co	ENSG0000	133688	26625
UGT3A2	0	0	0	0	0	0	UDP glycosyltransferase family 3 member A2 [Source:HGNC Symb	chr5:36035	NM_00116	XM_01151	.	.	NP_00116	XP_011512	protein_co	ENSG0000	167127	27266
UGT8	12.0552	11.8019	12.5777	9.78787	10.8505	10.5922	UDP glycosyltransferase 8 [Source:HGNC Symbol;Acc:HGNC:1255	chr4:11551	NM_00112	XM_01153	.	.	NP_00112	XP_006714	protein_co	ENSG0000	7368	12555
UHMK1	31.2596	34.2612	32.9387	33.9485	43.2032	42.931	U2AF homology motif (UHM) kinase 1 [Source:HGNC Symbol;Acc:	chr1:16246	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	127933	19683
UHRF1	30.3114	32.7419	24.2475	40.9117	38.0237	25.9934	ubiquitin like with PHD and ring finger domains 1 [Source:HGNC S	chr19:4903	NM_00104	XM_01152	.	.	NP_00104	XP_011526	protein_co	ENSG0000	29128	12556
UHRF1BP1	7.23698	7.12981	6.69422	5.34475	6.62717	11.5978	UHRF1 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:21216	chr6:34759	NM_01775	XM_01151	.	.	NP_06022	.	protein_co	ENSG0000	54887	21216
UHRF1BP1L	5.70337	5.95917	6.01456	6.14179	8.38435	8.38437	UHRF1 binding protein 1 like [Source:HGNC Symbol;Acc:HGNC:29	chr12:1004	NM_00100	XM_00526	.	.	NP_00100	XP_005268	protein_co	ENSG0000	23074	29102
UHRF2	11.2663	12.2309	10.9825	9.86286	11.8759	12.1535	ubiquitin like with PHD and ring finger domains 2 [Source:HGNC S	chr9:64133	NM_15289	XM_01151	.	.	NP_69085	XP_011516	protein_co	ENSG0000	115426	12557
UIMC1	10.3797	10.8804	9.99809	8.97409	7.71852	8.60219	ubiquitin interaction motif containing 1 [Source:HGNC Symbol;Ac	chr5:17633	NM_00119	XM_00671	.	.	NP_00118	XP_005265	protein_co	ENSG0000	51720	30298
ULBP1	4.08676	3.93224	2.91554	2.25815	3.00592	8.82781	UL16 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:14893]	chr6:15028	NM_02521	.	.	.	NP_07949	.	protein_co	ENSG0000	80329	14893
ULBP2	7.90081	8.79153	7.40724	7.75466	7.89271	8.42044	UL16 binding protein 2 [Source:HGNC Symbol;Acc:HGNC:14894]	chr6:15026	NM_02521	.	.	.	NP_07949	.	protein_co	ENSG0000	80328	14894
ULBP3	10.6481	10.4274	9.40495	10.3698	8.8749	7.83008	UL16 binding protein 3 [Source:HGNC Symbol;Acc:HGNC:14895]	chr6:15038	NM_02451	XM_00526	.	.	NP_07879	XP_005267	protein_co	ENSG0000	79465	14895
ULK1	7.90492	8.4445	8.52229	6.9038	6.64319	8.0374	unc-51 like autophagy activating kinase 1 [Source:HGNC Symbol;A	chr12:1323	NM_00356	XM_01153	.	.	NP_00355	XP_011537	protein_co	ENSG0000	8408	12558
ULK2	2.08196	2.20835	3.00058	2.3829	2.25096	3.67839	unc-51 like autophagy activating kinase 2 [Source:HGNC Symbol;A	chr17:1967	NM_00114	.	.	.	NP_00113	XP_016880	protein_co	ENSG0000	9706	13480
ULK3	28.0434	26.2585	24.1649	22.82	20.4348	16.0691	unc-51 like kinase 3 [Source:HGNC Symbol;Acc:HGNC:19703]	chr15:7512	NM_00109	XM_01702	NR_10430	.	NP_00109	XP_005254	protein_co	ENSG0000	25989	19703
ULK4	2.05772	1.83271	1.17615	1.15804	1.12812	1.07486	unc-51 like kinase 4 [Source:HGNC Symbol;Acc:HGNC:15784]	chr3:41288	NM_01788	XM_01153	.	.	NP_00130	XP_011532	protein_co	ENSG0000	54986	15784
UMAD1	9.77534	8.99803	8.81702	7.43739	7.77013	9.93541	UBAP1-MVB12-associated (UMA) domain containing 1 [Source:H	chr7:76761	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	729852	48955

UMOD	0	0	0	0	0	0	uromodulin [Source:HGNC Symbol;Acc:HGNC:12559]	chr16:2034	NM_0010	XM_01702	.	.	NP_00100	XP_011544	protein_co	ENSG0000	7369	12559
UMODL1	0	0	0	0	0	0	uromodulin like 1 [Source:HGNC Symbol;Acc:HGNC:12560]	chr21:4348	NM_0010	XM_01702	.	.	NP_00100	XP_011528	protein_co	ENSG0000	89766	12560
UMPS	32.6668	24.9653	26.8585	37.2473	26.5152	11.8797	uridine monophosphate synthetase [Source:HGNC Symbol;Acc:H	chr3:12444	NM_00037	.	.	.	NP_00036	.	protein_co	ENSG0000	7372	12563
UNC119	34.617	33.5947	38.9851	38.6445	34.0322	29.2025	unc-119 lipid binding chaperone [Source:HGNC Symbol;Acc:HGN	chr17:2687	NM_00514	.	.	.	NP_00513	XP_016880	protein_co	ENSG0000	9094	12565
UNC119B	22.4058	22.6135	29.7298	26.5508	26.6876	27.6615	unc-119 lipid binding chaperone B [Source:HGNC Symbol;Acc:HG	chr12:1211	NM_00108	.	NR_03984	.	NP_00107	.	protein_co	ENSG0000	100616329	16488
UNC13A	7.57044	8.08448	10.8328	6.57127	6.76955	7.08833	unc-13 homolog A [Source:HGNC Symbol;Acc:HGNC:23150]	chr19:1771	NM_00108	XM_01702	.	.	NP_00107	XP_011526	protein_co	ENSG0000	23025	23150
UNC13B	8.05424	8.19933	8.22724	8.584	8.83628	8.43638	unc-13 homolog B [Source:HGNC Symbol;Acc:HGNC:12566]	chr9:35161	NM_00637	XM_01151	.	.	NP_00636	XP_011515	protein_co	ENSG0000	10497	12566
UNC13C	0	0	0	0	0	0	unc-13 homolog C [Source:HGNC Symbol;Acc:HGNC:23149]	chr15:5430	NM_00108	XM_00525	.	.	NP_00107	XP_005254	protein_co	ENSG0000	440279	23149
UNC13D	3.12538	3.33967	1.93505	2.00282	1.91567	1.45189	unc-13 homolog D [Source:HGNC Symbol;Acc:HGNC:23147]	chr17:7382	NM_19924	XM_01152	.	.	NP_95471	XP_011522	protein_co	ENSG0000	201294	23147
UNC45A	38.43	37.7417	40.9586	41.0514	36.8096	32.9543	unc-45 myosin chaperone A [Source:HGNC Symbol;Acc:HGNC:30	chr15:9147	NM_00103	XM_01152	.	.	NP_00103	XP_005255	protein_co	ENSG0000	55898	30594
UNC45B	0	0	0.019813	0	0	0	unc-45 myosin chaperone B [Source:HGNC Symbol;Acc:HGNC:14	chr17:3347	NM_00103	XM_00525	.	.	NP_00102	XP_005257	protein_co	ENSG0000	146862	14304
UNC50	30.2478	31.2634	24.62	25.8294	25.5036	29.3823	unc-50 inner nuclear membrane RNA binding protein [Source:HG	chr2:99225	NM_01404	XM_00671	.	.	NP_05476	XP_005263	protein_co	ENSG0000	25972	16046
UNC5A	4.37868	5.37117	5.36069	2.82607	2.83174	3.19493	unc-5 netrin receptor A [Source:HGNC Symbol;Acc:HGNC:12567]	chr5:17623	NM_13336	XM_00671	.	.	NP_58861	XP_006714	protein_co	ENSG0000	90249	12567
UNC5B	6.64432	7.30416	7.7195	7.61569	7.59783	8.92344	unc-5 netrin receptor B [Source:HGNC Symbol;Acc:HGNC:12568]	chr10:7297	NM_00124	XM_01701	.	.	NP_00123	XP_011537	protein_co	ENSG0000	219699	12568
UNC5C	0.008175	0.017315	0.007089	0	0	0	unc-5 netrin receptor C [Source:HGNC Symbol;Acc:HGNC:12569]	chr4:96083	NM_00372	XM_01700	.	.	NP_00371	XP_005263	protein_co	ENSG0000	8633	12569
UNC5CL	1.29505	0.922444	1.01223	0.872419	0.741893	1.98162	unc-5 family C-terminal like [Source:HGNC Symbol;Acc:HGNC:21	chr6:40994	NM_17356	.	.	.	NP_77583	.	protein_co	ENSG0000	222643	21203
UNC5D	0	0	0	0.030752	0	0	unc-5 netrin receptor D [Source:HGNC Symbol;Acc:HGNC:18634]	chr8:35092	NM_08087	XM_01154	.	.	NP_00130	XP_011542	protein_co	ENSG0000	137970	18634
UNC79	0.016705	0.059244	0.042282	0	0.018773	0.025674	unc-79 homolog (C. elegans) [Source:HGNC Symbol;Acc:HGNC:19	chr14:9379	NM_02081	XM_01153	.	.	NP_06586	XP_011535	protein_co	ENSG0000	57578	19966
UNC80	0.005059	0	0	0	0	0.005171	unc-80 homolog, NALCN activator [Source:HGNC Symbol;Acc:HG	chr2:21063	NM_03250	XM_01700	.	.	NP_11589	XP_005246	protein_co	ENSG0000	285175	26582
UNC93A	0	0	0	0	0	0	unc-93 homolog A (C. elegans) [Source:HGNC Symbol;Acc:HGNC:	chr6:16770	NM_00114	XM_01701	.	.	NP_00113	XP_011534	protein_co	ENSG0000	54346	12570
UNC93B1	28.7974	30.4468	28.3904	23.1037	20.8814	20.3823	unc-93 homolog B1 (C. elegans) [Source:HGNC Symbol;Acc:HGNC	chr11:6779	NM_03093	.	.	.	NP_11219	.	protein_co	ENSG0000	81622	13481
UNCX	0	0	0	0	0	0	UNC homeobox [Source:HGNC Symbol;Acc:HGNC:33194]	chr7:12725	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	340260	33194
UNG	76.612	81.1501	73.8537	83.1093	76.2713	80.6103	uracil DNA glycosylase [Source:HGNC Symbol;Acc:HGNC:12572]	chr12:1095	NM_00336	.	.	.	NP_00335	.	protein_co	ENSG0000	7374	12572
UNK	10.5194	10.8038	10.7799	14.062	11.7913	11.8295	unkempt family zinc finger [Source:HGNC Symbol;Acc:HGNC:293	chr17:7377	NM_00108	XM_01152	.	.	NP_00107	XP_006722	protein_co	ENSG0000	85451	29369
UNKL	8.47779	9.86557	7.51203	8.46059	8.10331	5.56544	unkempt family like zinc finger [Source:HGNC Symbol;Acc:HGNC:	chr16:1401	NM_00103	XM_01152	.	.	NP_00103	XP_005255	protein_co	ENSG0000	64718	14184
UPB1	0.137563	0.095702	0.027238	0.06884	0.108598	0.066632	beta-ureidopropionase 1 [Source:HGNC Symbol;Acc:HGNC:16297	chr22:2489	NM_01632	XM_01153	.	.	NP_05741	XP_011528	protein_co	ENSG0000	51733	16297
UPF1	35.7277	37.3302	31.4044	41.458	40.1861	27.9446	UPF1, RNA helicase and ATPase [Source:HGNC Symbol;Acc:HGNC	chr19:1894	NM_00129	.	.	.	NP_00128	XP_016882	protein_co	ENSG0000	5976	9962
UPF2	11.2954	11.7087	11.3965	9.80014	12.426	11.1933	UPF2 regulator of nonsense transcripts homolog (yeast) [Source:	chr10:1196	NM_01554	XM_01151	.	.	NP_05635	.	protein_co	ENSG0000	26019	17854
UPF3A	11.7861	8.21316	9.98986	9.30003	9.23954	9.96687	UPF3 regulator of nonsense transcripts homolog A (yeast) [Sourc	chr13:1150	NM_02301	XM_01153	.	.	NP_07538	XP_006720	protein_co	ENSG0000	65110	20332
UPF3B	10.7234	11.0477	9.33356	10.6141	13.3219	8.68811	UPF3 regulator of nonsense transcripts homolog B (yeast) [Sourc	chrX:11896	NM_02301	.	.	.	NP_07538	.	protein_co	ENSG0000	65109	20439
UPK1A	1.12617	1.12579	0.981996	1.13354	0.822889	0.892913	uroplakin 1A [Source:HGNC Symbol;Acc:HGNC:12577]	chr19:3615	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	11045	12577
UPK1B	0	0.043718	0	0	0.046237	0	uroplakin 1B [Source:HGNC Symbol;Acc:HGNC:12578]	chr3:11886	NM_00695	.	.	.	NP_00888	.	protein_co	ENSG0000	7348	12578
UPK2	0	0.311872	0.089164	0	0	0	uroplakin 2 [Source:HGNC Symbol;Acc:HGNC:12579]	chr11:1188	NM_00676	.	.	.	NP_00675	.	protein_co	ENSG0000	7379	12579
UPK3A	0.153738	0.076248	0.198426	0.164184	0	0.164846	uroplakin 3A [Source:HGNC Symbol;Acc:HGNC:12580]	chr22:4568	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	7380	12580
UPK3B	0.223829	0.433153	0.189646	0.353056	0.420852	0.161991	uroplakin 3B [Source:HGNC Symbol;Acc:HGNC:21444]	chr7:76139	.	XM_00671	.	.	.	XP_005250	protein_co	ENSG0000	105375355	21444
UPK3BL	3.13611	2.58299	2.17823	2.57355	2.31205	1.90461	uroplakin 3B-like [Source:HGNC Symbol;Acc:HGNC:37278]	chr7:10227	NM_00111	XM_01701	.	.	NP_00110	XP_016868	protein_co	ENSG0000	107983993	37278
UPP1	31.4757	29.3411	11.771	16.3485	14.0253	24.1075	uridine phosphorylase 1 [Source:HGNC Symbol;Acc:HGNC:12576]	chr7:48128	NM_00128	XM_01151	.	.	NP_00127	XP_005249	protein_co	ENSG0000	7378	12576
UPP2	0	0	0	0	0	0	uridine phosphorylase 2 [Source:HGNC Symbol;Acc:HGNC:23061]	chr2:15873	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	151531	23061
UPRT	4.09362	3.47904	3.55058	4.09152	4.70578	4.99148	uracil phosphoribosyltransferase homolog [Source:HGNC Symbol	chrX:74493	NM_00130	XM_01153	.	.	NP_00129	XP_011529	protein_co	ENSG0000	139596	28334
UQCC1	24.8668	26.7521	27.3281	28.3547	23.0354	19.4566	ubiquinol-cytochrome c reductase complex assembly factor 1 [So	chr20:3389	NM_00118	XM_01152	.	.	NP_00117	XP_011527	protein_co	ENSG0000	55245	15891
UQCC2	43.8108	39.1083	32.1199	63.7633	41.1383	35.9935	ubiquinol-cytochrome c reductase complex assembly factor 2 [So	chr6:33664	NM_03234	.	.	.	NP_11571	.	protein_co	ENSG0000	84300	21237
UQCC3	18.8276	20.3999	15.2811	25.3268	17.4611	17.1497	ubiquinol-cytochrome c reductase complex assembly factor 3 [So	chr11:6241	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	790955	34399
UQCR10	130.8	123.534	115.953	160.595	118.806	110.754	ubiquinol-cytochrome c reductase, complex III subunit X [Source:	chr22:3016	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	29796	30863
UQCR11	118.03	115.795	131.725	133.011	99.4316	105.529	ubiquinol-cytochrome c reductase, complex III subunit XI [Source	chr19:1597	NM_00683	.	.	.	NP_00682	.	protein_co	ENSG0000	10975	30862
UQCRB	315.996	248.916	318.593	333.631	288.595	346.502	ubiquinol-cytochrome c reductase binding protein [Source:HGNC	chr8:97238	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	7381	12582
UQCRC1	117.613	112.461	116.643	148.365	123.166	118.707	ubiquinol-cytochrome c reductase core protein I [Source:HGNC S	chr3:48636	NM_00336	.	.	.	NP_00335	.	protein_co	ENSG0000	7384	12585
UQCRC2	97.2655	99.4575	120.858	105.859	103.028	118.077	ubiquinol-cytochrome c reductase core protein II [Source:HGNC S	chr16:2196	NM_00336	.	.	.	NP_00335	.	protein_co	ENSG0000	7385	12586
UQCRFS1	47.3735	45.532	46.8481	59.3974	51.0031	43.0199	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide	chr19:2969	NM_00600	.	.	.	NP_00599	.	protein_co	ENSG0000	7386	12587
UQCRH	281.021	270.835	298.569	337.702	300.066	374.241	ubiquinol-cytochrome c reductase hinge protein [Source:HGNC S	chr1:46769	NM_00600	.	.	.	NP_00128	.	protein_co	ENSG0000	7388	12590
UQCRHL	48.3885	47.6001	51.3393	59.9243	50.8387	54.9889	ubiquinol-cytochrome c reductase hinge protein like [Source:HGN	chr1:16133	NM_00108	.	.	.	NP_00108	.	protein_co	ENSG0000	440567	51714
UQCRQ	383.994	380.097	365.084	502.965	385.227	358.871	ubiquinol-cytochrome c reductase complex III subunit VII [Source	chr5:13219	NM_01440	.	.	.	NP_05521	.	protein_co	ENSG0000	27089	29594
URAD	0	0	0	0	0	0	ureidoimidazoline (2-oxo-4-hydroxy-4-carboxy-5-) decarboxylase	chr13:2855	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	646625	17785
URB1	10.1864	11.2924	12.2913	10.251	10.6427	7.50459	URB1 ribosome biogenesis 1 homolog (S. cerevisiae) [Source:HGN	chr21:3366	NM_01482	.	.	.	NP_05564	.	protein_co	ENSG0000	9875	17344
URB2	11.4534	12.8128	11.4028	15.2064	14.1787	9.2376	URB2 ribosome biogenesis 2 homolog (S. cerevisiae) [Source:HGN	chr1:22976	NM_00131	XM_01154	.	.	NP_00130	XP_005273	protein_co	ENSG0000	9816	28967
URGCP	11.3876	11.3613	10.7439	11.0852	10.5316	9.07199	upregulator of cell proliferation [Source:HGNC Symbol;Acc:HGNC	chr7:43906	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	55665	30890
URGCP-MRPS24	1.09E-33	0.442308	0.351354	4.25E-56	0.615303	0.956807	URGCP-MRPS24 readthrough [Source:HGNC Symbol;Acc:HGNC:4	chr7:43906	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	100534592	49188
URI1	30.1512	29.7923	32.0228	26.8176	27.8998	27.6814	URI1, prefoldin like chaperone [Source:HGNC Symbol;Acc:HGNC:	chr19:3041	NM_00125	XM_00525	.	.	NP_00123	XP_005259	protein_co	ENSG0000	8725	13236
URM1	24.5989	23.4412	17.9015	21.8385	18.2114	12.7298	ubiquitin related modifier 1 [Source:HGNC Symbol;Acc:HGNC:28	chr9:13113	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	81605	28378
UROC1	0	0	0	0	0	0	urocanate hydratase 1 [Source:HGNC Symbol;Acc:HGNC:26444]	chr3:12620	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	131669	26444

UROD	63.1932	60.8593	63.1522	64.6741	52.7316	48.2108	uroporphyrinogen decarboxylase [Source:HGNC Symbol;Acc:HGN	chr1:45477	NM_00037	XM_01154	.	.	NP_00036	XP_005271	protein_co	ENSG0000	7389	12591
UROS	29.3086	25.7593	36.3461	28.7035	20.3602	28.6072	uroporphyrinogen III synthase [Source:HGNC Symbol;Acc:HGNC:1	chr10:1274	NM_00037	XM_00671	.	.	NP_00036	XP_005270	protein_co	ENSG0000	7390	12592
USB1	47.347	47.8171	57.4476	61.2548	54.8183	48.1395	U6 snRNA biogenesis phosphodiesterase 1 [Source:HGNC Symbol	chr16:5802	NM_00119	XM_01152	.	.	NP_00118	XP_005256	protein_co	ENSG0000	79650	25792
USE1	15.817	17.573	15.8953	11.7894	10.6196	10.4784	unconventional SNARE in the ER 1 [Source:HGNC Symbol;Acc:HG	chr19:1732	NM_01846	XM_01702	.	.	NP_06093	XP_016882	protein_co	ENSG0000	55850	30882
USF1	23.0565	20.4849	20.32	24.6292	19.9878	17.8017	upstream transcription factor 1 [Source:HGNC Symbol;Acc:HGNC	chr1:16100	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	7391	12593
USF2	38.6541	40.0426	35.9894	41.6619	36.7459	36.4774	upstream transcription factor 2, c-fos interacting [Source:HGNC S	chr19:3575	NM_00336	XM_00525	.	.	NP_00130	XP_005259	protein_co	ENSG0000	7392	12594
USF3	2.81062	3.10419	3.90374	1.93369	2.93028	3.67633	upstream transcription factor family member 3 [Source:HGNC Sy	chr3:11336	NM_00100	XM_01700	.	.	NP_00100	XP_005247	protein_co	ENSG0000	205717	30494
USH1C	5.24803	5.49982	7.30935	8.01432	5.44851	7.56212	USH1 protein network component harmonin [Source:HGNC Symb	chr11:1751	NM_00129	XM_01151	.	.	NP_00128	XP_011518	protein_co	ENSG0000	10083	12597
USH1G	1.15359	0.761704	1.73225	1.30678	1.23602	1.48817	USH1 protein network component sans [Source:HGNC Symbol;Ac	chr17:7291	NM_00128	XM_01152	.	.	NP_00126	XP_011522	protein_co	ENSG0000	124590	16356
USH2A	0	0	0	0	0	0	usherin [Source:HGNC Symbol;Acc:HGNC:12601]	chr1:21579	NM_00712	.	.	.	NP_00905	.	protein_co	ENSG0000	7399	12601
USHBP1	0.033904	0.165416	0.350521	0.268653	0.142392	0.181802	USH1 protein network component harmonin binding protein 1 [S	chr19:1734	NM_00129	XM_00526	.	.	NP_00128	XP_005260	protein_co	ENSG0000	83878	24058
USMG5	396.434	345.091	521.973	409.927	481.078	633.263	up-regulated during skeletal muscle growth 5 homolog (mouse) [	chr10:1051	NM_00120	.	NR_03170	.	NP_00119	.	protein_co	ENSG0000	100302174	30889
USO1	31.9628	30.5516	38.1263	29.5603	37.7707	40.5942	USO1 vesicle transport factor [Source:HGNC Symbol;Acc:HGNC:3	chr4:76649	NM_00129	XM_00671	.	.	NP_00127	XP_006714	protein_co	ENSG0000	8615	30904
USP1	17.7913	15.0305	14.1453	15.4028	22.3889	22.8045	ubiquitin specific peptidase 1 [Source:HGNC Symbol;Acc:HGNC:1	chr1:62901	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	7398	12607
USP10	57.3937	59.2121	57.3269	58.8133	59.4586	54.5496	ubiquitin specific peptidase 10 [Source:HGNC Symbol;Acc:HGNC:	chr16:8473	NM_00127	XM_01152	.	.	NP_00125	XP_006721	protein_co	ENSG0000	9100	12608
USP11	20.1804	21.926	21.5443	36.9664	34.7452	25.2257	ubiquitin specific peptidase 11 [Source:HGNC Symbol;Acc:HGNC:	chrX:47092	NM_00465	XM_01154	.	.	NP_00464	XP_005272	protein_co	ENSG0000	8237	12609
USP12	19.9374	19.5874	16.9615	19.8604	26.0196	22.7786	ubiquitin specific peptidase 12 [Source:HGNC Symbol;Acc:HGNC:	chr13:2764	NM_18248	.	.	.	NP_87229	.	protein_co	ENSG0000	219333	20485
USP13	7.35815	7.5856	6.79444	10.5726	10.6206	7.6157	ubiquitin specific peptidase 13 (isopeptidase T-3) [Source:HGNC S	chr3:17937	NM_00394	XM_01151	.	.	NP_00393	XP_011511	protein_co	ENSG0000	8975	12611
USP14	31.6761	28.1336	28.3423	29.3516	37.5003	33.3013	ubiquitin specific peptidase 14 [Source:HGNC Symbol;Acc:HGNC:	chr18:1583	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	9097	12612
USP15	11.7343	11.6728	13.1629	12.5428	15.8077	12.8897	ubiquitin specific peptidase 15 [Source:HGNC Symbol;Acc:HGNC:	chr12:6265	NM_00125	XM_00526	NR_10674	.	NP_00123	.	protein_co	ENSG0000	102465133	12613
USP16	18.4315	16.3235	15.9056	17.3332	23.1751	20.6448	ubiquitin specific peptidase 16 [Source:HGNC Symbol;Acc:HGNC:	chr21:3039	NM_00100	XM_01702	.	.	NP_00100	XP_016883	protein_co	ENSG0000	10600	12614
USP17L1	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 1 [Source:HGN	chr8:71899	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	401447	37182
USP17L10	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 10 [Source:HG	chr4:92123	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	100287144	44438
USP17L11	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 11 [Source:HG	chr4:92171	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	100287178	44439
USP17L12	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 12 [Source:HG	chr4:92218	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	100287205	44440
USP17L13	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 13 [Source:HG	chr4:92266	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	100287238	44441
USP17L15	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 15 [Source:HG	chr4:92361	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	100288520	44443
USP17L17	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 17 [Source:HG	chr4:92456	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	100287327	44445
USP17L18	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 18 [Source:HG	chr4:92503	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	100287364	44446
USP17L19	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 19 [Source:HG	chr4:92551	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	100287404	44447
USP17L2	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 2 [Source:HGN	chr8:11994	NM_20140	.	.	.	NP_95880	.	protein_co	ENSG0000	377630	34434
USP17L20	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 20 [Source:HG	chr4:92598	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	100287441	44448
USP17L21	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 21 [Source:HG	chr4:92645	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	100287478	44449
USP17L22	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 22 [Source:HG	chr4:92693	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	100287513	44450
USP17L23	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 23 [Source:HG	chr4:92740	.	.	.	.	.	.	protein_co	ENSG0000	.	44451
USP17L24	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 24 [Source:HG	chr4:93268	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	728369	44453
USP17L25	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 25 [Source:HG	chr4:93316	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	728373	44452
USP17L26	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 26 [Source:HG	chr4:93363	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	728379	44454
USP17L27	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 27 [Source:HG	chr4:93458	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	728393	44455
USP17L28	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 28 [Source:HG	chr4:93506	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	728400	44456
USP17L29	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 29 [Source:HG	chr4:93553	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	728405	44457
USP17L3	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 3 [Source:HGN	chr8:78339	NM_00125	.	.	.	NP_00124	XP_016885	protein_co	ENSG0000	645836	37175
USP17L30	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 30 [Source:HG	chr4:93648	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	728419	44458
USP17L4	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 4 [Source:HGN	chr8:71946	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	645402	37176
USP17L5	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 5 [Source:HGN	chr4:93411	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	728386	37177
USP17L7	0	0.035673	0	0.038083	0	0.071541	ubiquitin specific peptidase 17-like family member 7 [Source:HGN	chr8:11989	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	392197	37180
USP17L8	0	0	0	0	0	0	ubiquitin specific peptidase 17-like family member 8 [Source:HGN	chr8:78291	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	392188	37181
USP18	4.94605	4.56057	2.67519	5.39334	3.58224	3.41831	ubiquitin specific peptidase 18 [Source:HGNC Symbol;Acc:HGNC:	chr22:1863	NM_01741	XM_00672	.	.	NP_05911	XP_006724	protein_co	ENSG0000	11274	12616
USP19	21.8833	23.5684	22.8202	25.1534	22.9524	19.4351	ubiquitin specific peptidase 19 [Source:HGNC Symbol;Acc:HGNC:	chr3:49145	NM_00119	XM_01700	.	.	NP_00118	XP_005264	protein_co	ENSG0000	10869	12617
USP2	2.1007	1.91616	2.71724	2.72165	2.14764	2.35422	ubiquitin specific peptidase 2 [Source:HGNC Symbol;Acc:HGNC:1	chr11:1192	NM_00124	XM_01701	.	.	NP_00123	XP_005271	protein_co	ENSG0000	9099	12618
USP20	4.5502	4.74903	5.88531	4.70185	4.01522	4.83929	ubiquitin specific peptidase 20 [Source:HGNC Symbol;Acc:HGNC:	chr9:13259	NM_00100	XM_01151	.	.	NP_00100	XP_005251	protein_co	ENSG0000	10868	12619
USP21	9.95727	9.70803	9.26285	8.75631	9.25492	6.52804	ubiquitin specific peptidase 21 [Source:HGNC Symbol;Acc:HGNC:	chr1:16112	NM_00101	XM_01150	.	.	NP_00101	XP_011507	protein_co	ENSG0000	27005	12620
USP22	69.018	72.1029	70.658	80.362	75.8841	80.9398	ubiquitin specific peptidase 22 [Source:HGNC Symbol;Acc:HGNC:	chr17:2090	NM_01527	XM_00525	.	.	NP_05609	XP_005256	protein_co	ENSG0000	23326	12621
USP24	9.6461	9.67398	9.74874	4.9098	6.4103	5.31456	ubiquitin specific peptidase 24 [Source:HGNC Symbol;Acc:HGNC:	chr1:55532	NM_01530	XM_01700	.	.	NP_05612	XP_016856	protein_co	ENSG0000	23358	12623
USP25	8.43952	8.02185	8.96493	6.03333	7.52328	9.92784	ubiquitin specific peptidase 25 [Source:HGNC Symbol;Acc:HGNC:	chr21:1710	NM_00128	XM_01702	.	.	NP_00126	XP_011527	protein_co	ENSG0000	29761	12624
USP26	0.019061	0.020522	0.033411	0	0.02075	0	ubiquitin specific peptidase 26 [Source:HGNC Symbol;Acc:HGNC:	chrX:13215	NM_03190	XM_01702	.	.	NP_11411	XP_016885	protein_co	ENSG0000	83844	13485
USP27X	2.25733	2.37215	3.17397	2.21552	2.62281	2.92801	ubiquitin specific peptidase 27, X-linked [Source:HGNC Symbol;Ac	chrX:49644	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	389856	13486
USP28	7.55795	7.78421	7.86191	6.24417	7.80581	7.3248	ubiquitin specific peptidase 28 [Source:HGNC Symbol;Acc:HGNC:	chr11:1136	NM_00130	XM_01701	.	.	NP_00128	XP_005271	protein_co	ENSG0000	57646	12625
USP29	0	0	0	0	0	0	ubiquitin specific peptidase 29 [Source:HGNC Symbol;Acc:HGNC:	chr19:5763	NM_02090	.	.	.	NP_06595	.	protein_co	ENSG0000	57663	18563

USP3	19.1637	20.8381	21.598	19.8416	23.8523	23.5444	ubiquitin specific peptidase 3 [Source:HGNC Symbol;Acc:HGNC:1	chr15:6379	NM_00125	XM_01702	.	.	NP_00124	XP_016878	protein_co	ENSG0000	9960	12626
USP30	4.46888	4.31405	4.09624	4.84931	4.48286	4.25384	ubiquitin specific peptidase 30 [Source:HGNC Symbol;Acc:HGNC:	chr12:1094	NM_00130	XM_00671	.	.	NP_00128	XP_005254	protein_co	ENSG0000	84749	20065
USP31	4.77773	4.6498	4.91923	3.6295	4.26178	4.35526	ubiquitin specific peptidase 31 [Source:HGNC Symbol;Acc:HGNC:	chr16:2307	NM_02071	XM_01702	.	.	NP_06576	XP_016878	protein_co	ENSG0000	57478	20060
USP32	13.8656	12.7085	15.3891	12.2015	13.8724	17.1918	ubiquitin specific peptidase 32 [Source:HGNC Symbol;Acc:HGNC:	chr17:5825	NM_03258	XM_01152	.	.	NP_11597	XP_011523	protein_co	ENSG0000	84669	19143
USP33	15.8392	15.194	18.3846	15.6211	19.0621	22.8488	ubiquitin specific peptidase 33 [Source:HGNC Symbol;Acc:HGNC:	chr1:78161	NM_01501	XM_01154	.	.	NP_05583	XP_005270	protein_co	ENSG0000	23032	20059
USP34	11.8847	11.2173	13.408	9.07364	13.8156	16.5663	ubiquitin specific peptidase 34 [Source:HGNC Symbol;Acc:HGNC:	chr2:61404	NM_01470	.	.	.	NP_05552	.	protein_co	ENSG0000	9736	20066
USP35	2.27557	2.38645	2.96783	1.60703	1.84808	1.63883	ubiquitin specific peptidase 35 [Source:HGNC Symbol;Acc:HGNC:	chr11:7788	NM_02079	XM_01154	.	.	NP_06584	XP_011543	protein_co	ENSG0000	57558	20061
USP36	17.5545	19.9845	18.0141	18.4732	19.1618	13.287	ubiquitin specific peptidase 36 [Source:HGNC Symbol;Acc:HGNC:	chr17:7679	NM_00132	XM_01152	.	.	NP_00130	XP_005257	protein_co	ENSG0000	57602	20062
USP37	5.61458	5.60088	5.13883	5.50085	6.39441	6.71853	ubiquitin specific peptidase 37 [Source:HGNC Symbol;Acc:HGNC:	chr2:21928	NM_02093	XM_01151	.	.	NP_06598	XP_005246	protein_co	ENSG0000	57695	20063
USP38	10.2401	10.7837	9.34951	10.5075	11.8982	10.6672	ubiquitin specific peptidase 38 [Source:HGNC Symbol;Acc:HGNC:	chr4:14410	NM_00129	XM_01153	.	.	NP_00127	XP_011530	protein_co	ENSG0000	84640	20067
USP39	53.2276	54.7551	47.5152	74.2282	64.8923	54.9923	ubiquitin specific peptidase 39 [Source:HGNC Symbol;Acc:HGNC:	chr2:85839	NM_00125	XM_01700	NR_04634	.	NP_00124	XP_006711	protein_co	ENSG0000	10713	20071
USP4	11.5529	11.1709	11.5242	11.0655	10.7755	10.3728	ubiquitin specific peptidase 4 [Source:HGNC Symbol;Acc:HGNC:1	chr3:49306	NM_00125	.	.	.	NP_00123	.	protein_co	ENSG0000	7375	12627
USP40	9.62137	9.19495	9.72318	7.74977	8.46322	9.84365	ubiquitin specific peptidase 40 [Source:HGNC Symbol;Acc:HGNC:	chr2:23438	NM_01821	XM_01700	.	.	NP_06068	XP_006712	protein_co	ENSG0000	55230	20069
USP41	0	0	0	0	0	0	ubiquitin specific peptidase 41 [Source:HGNC Symbol;Acc:HGNC:	chr22:2071	.	.	.	.	.	XP_016884	protein_co	ENSG0000	373856	20070
USP42	4.93598	5.867	5.14545	5.32295	5.31434	5.04084	ubiquitin specific peptidase 42 [Source:HGNC Symbol;Acc:HGNC:	chr7:61445	NM_03217	XM_01151	.	.	NP_11554	XP_006715	protein_co	ENSG0000	84132	20068
USP43	2.73551	3.16662	3.40043	2.65687	2.54699	3.11658	ubiquitin specific peptidase 43 [Source:HGNC Symbol;Acc:HGNC:	chr17:9548	NM_00126	XM_01152	.	.	NP_00125	XP_011521	protein_co	ENSG0000	124739	20072
USP44	0	0	0	0	0	0	ubiquitin specific peptidase 44 [Source:HGNC Symbol;Acc:HGNC:	chr12:9591	NM_00104	XM_01702	.	.	NP_00103	XP_005269	protein_co	ENSG0000	84101	20064
USP45	4.45803	4.6456	5.46131	4.73048	5.48312	5.32303	ubiquitin specific peptidase 45 [Source:HGNC Symbol;Acc:HGNC:	chr6:99880	NM_00108	XM_01153	.	.	NP_00107	XP_005267	protein_co	ENSG0000	85015	20080
USP46	16.4748	17.6101	21.7162	14.2711	20.1006	23.0466	ubiquitin specific peptidase 46 [Source:HGNC Symbol;Acc:HGNC:	chr4:53457	NM_00113	.	.	.	NP_00112	XP_016864	protein_co	ENSG0000	64854	20075
USP47	9.92163	9.70576	8.72077	8.44107	11.4492	11.3728	ubiquitin specific peptidase 47 [Source:HGNC Symbol;Acc:HGNC:	chr11:1186	NM_00128	XM_00525	.	.	NP_00126	XP_005253	protein_co	ENSG0000	55031	20076
USP48	22.7076	21.1832	23.4384	20.3286	23.8267	23.1528	ubiquitin specific peptidase 48 [Source:HGNC Symbol;Acc:HGNC:	chr1:22004	NM_00103	XM_01154	.	.	NP_00102	XP_005246	protein_co	ENSG0000	84196	18533
USP49	2.73989	2.20283	3.46932	1.74169	2.46123	2.80283	ubiquitin specific peptidase 49 [Source:HGNC Symbol;Acc:HGNC:	chr6:41755	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	25862	20078
USP5	54.7215	58.3459	46.4574	67.2086	58.8455	51.1085	ubiquitin specific peptidase 5 [Source:HGNC Symbol;Acc:HGNC:1	chr12:6961	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	8078	12628
USP50	0.055327	0.175385	0.096015	0	0	0	ubiquitin specific peptidase 50 [Source:HGNC Symbol;Acc:HGNC:	chr15:5071	NM_20349	XM_01152	.	.	NP_98709	XP_011519	protein_co	ENSG0000	373509	20079
USP51	0	0	0	0	0	0	ubiquitin specific peptidase 51 [Source:HGNC Symbol;Acc:HGNC:	chrX:55511	NM_20128	XM_01702	.	.	NP_95844	XP_016884	protein_co	ENSG0000	158880	23086
USP53	7.07814	7.14038	5.68981	5.29789	7.53708	9.82056	ubiquitin specific peptidase 53 [Source:HGNC Symbol;Acc:HGNC:	chr4:12013	NM_01905	XM_01700	.	.	NP_06192	XP_005263	protein_co	ENSG0000	54532	29255
USP54	6.09578	6.15962	6.49841	6.24328	5.8641	6.3242	ubiquitin specific peptidase 54 [Source:HGNC Symbol;Acc:HGNC:	chr10:7525	NM_15258	XM_01153	.	.	NP_68979	XP_005269	protein_co	ENSG0000	159195	23513
USP6	0.043453	0.053998	0.045288	0.048179	0.117818	0.035695	ubiquitin specific peptidase 6 [Source:HGNC Symbol;Acc:HGNC:1	chr17:5008	NM_00130	XM_01152	.	.	NP_00129	XP_011522	protein_co	ENSG0000	9098	12629
USP6NL	14.4967	16.1791	16.4977	10.3515	11.8187	14.3805	USP6 N-terminal like [Source:HGNC Symbol;Acc:HGNC:16858]	chr10:1149	NM_00108	XM_01701	NR_12573	.	NP_00107	XP_006717	protein_co	ENSG0000	9712	16858
USP7	46.3175	44.0837	41.4475	48.8339	55.8474	47.0538	ubiquitin specific peptidase 7 [Source:HGNC Symbol;Acc:HGNC:1	chr16:8985	NM_00128	.	.	.	NP_00127	XP_016879	protein_co	ENSG0000	7874	12630
USP8	18.1885	16.4797	18.2061	14.6425	18.0341	20.8718	ubiquitin specific peptidase 8 [Source:HGNC Symbol;Acc:HGNC:1	chr15:5071	NM_00112	XM_01152	.	.	NP_00112	XP_006720	protein_co	ENSG0000	9101	12631
USP9X	15.5321	16.4612	15.5723	13.8957	18.403	20.2984	ubiquitin specific peptidase 9, X-linked [Source:HGNC Symbol;Acc	chrX:40944	NM_00103	XM_00527	.	.	NP_00103	XP_005272	protein_co	ENSG0000	8239	12632
USP9Y	0.385669	0.345262	0.458543	0	0.00818	0	ubiquitin specific peptidase 9, Y-linked [Source:HGNC Symbol;Acc	chrY:14813	NM_00465	XM_01703	.	.	NP_00464	XP_011529	protein_co	ENSG0000	8287	12633
USPL1	9.47854	9.38641	11.8087	7.80445	11.8454	10.38	ubiquitin specific peptidase like 1 [Source:HGNC Symbol;Acc:HGN	chr13:3119	NM_00132	XM_00671	.	.	NP_00130	XP_005266	protein_co	ENSG0000	10208	20294
UST	4.41408	5.09604	5.63802	4.09694	4.53071	5.83803	uronyl 2-sulfotransferase [Source:HGNC Symbol;Acc:HGNC:1722	chr6:14906	NM_00571	.	.	.	NP_00570	.	protein_co	ENSG0000	10090	17223
UTF1	0	0	0	0	0	0	undifferentiated embryonic cell transcription factor 1 [Source:HG	chr10:1350	NM_00357	.	.	.	NP_00356	.	protein_co	ENSG0000	8433	12634
UTP11	43.1486	39.5079	36.4613	42.5731	40.4653	32.3401	UTP11, small subunit processome component homolog (S. cerevi	chr1:38478	NM_01603	XM_01154	.	.	NP_05712	XP_011539	protein_co	ENSG0000	51118	24329
UTP14A	24.9843	25.9572	18.0742	26.1862	23.9641	16.1919	UTP14A small subunit processome component [Source:HGNC Syr	chrX:12904	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	10813	10665
UTP14C	6.22201	7.14113	5.64741	6.07976	6.56925	5.90156	UTP14, small subunit processome component homolog C (S. cere	chr13:5258	NM_02164	.	.	.	NP_06767	.	protein_co	ENSG0000	9724	20321
UTP15	16.4661	14.9961	16.7033	17.269	18.2295	12.842	UTP15, small subunit processome component [Source:HGNC Sym	chr5:72861	NM_00128	XM_01154	.	.	NP_00127	XP_011541	protein_co	ENSG0000	84135	25758
UTP18	55.5649	54.6955	53.378	65.1509	61.6291	59.6011	UTP18, small subunit processome component [Source:HGNC Sym	chr17:4933	NM_01600	.	.	.	NP_05708	XP_011523	protein_co	ENSG0000	51096	24274
UTP20	7.45554	7.73638	6.64254	7.69475	9.02545	5.85452	UTP20, small subunit processome component [Source:HGNC Sym	chr12:1010	NM_01450	XM_00671	.	.	NP_05531	.	protein_co	ENSG0000	27340	17897
UTP23	14.4611	13.0018	14.5283	13.3618	16.0242	12.2442	UTP23, small subunit processome component [Source:HGNC Sym	chr8:11777	NM_03233	.	.	.	NP_11571	.	protein_co	ENSG0000	84294	28224
UTP3	33.2049	34.0081	34.0259	36.7332	38.8242	27.4457	UTP3, small subunit processome component homolog (S. cerevisi	chr4:71554	NM_02036	.	.	.	NP_06510	.	protein_co	ENSG0000	57050	24477
UTP4	62.7409	62.8543	62.6031	78.0118	74.0986	55.3175	UTP4, small subunit processome component [Source:HGNC Symb	chr16:6913	NM_00131	XM_00525	.	.	NP_00130	.	protein_co	ENSG0000	84916	1983
UTP6	17.0118	16.1092	15.3647	18.4053	19.1161	14.2955	UTP6, small subunit processome component [Source:HGNC Symb	chr17:3018	NM_01842	XM_01152	.	.	NP_06089	XP_005258	protein_co	ENSG0000	55813	18279
UTRN	2.77658	2.90925	3.24456	2.79873	3.98887	4.58525	utrophin [Source:HGNC Symbol;Acc:HGNC:12635]	chr6:14461	NM_00712	XM_01701	.	.	NP_00905	XP_005267	protein_co	ENSG0000	7402	12635
UTS2	1.67447	1.56577	2.29444	3.35936	6.06555	8.82695	urotensin 2 [Source:HGNC Symbol;Acc:HGNC:12636]	chr1:78443	NM_00678	XM_01154	.	.	NP_00677	XP_011538	protein_co	ENSG0000	10911	12636
UTS2B	0.07357	0.156353	0.299117	0.166305	0.450649	0.291346	urotensin 2B [Source:HGNC Symbol;Acc:HGNC:30894]	chr3:19098	NM_19815	XM_01151	.	.	NP_93779	XP_011510	protein_co	ENSG0000	257313	30894
UTS2R	0	0	0.097116	0	0	0	urotensin 2 receptor [Source:HGNC Symbol;Acc:HGNC:4468]	chr17:8033	NM_01894	.	.	.	NP_06182	.	protein_co	ENSG0000	2837	4468
UTY	0.401193	0.188253	0.181434	0	0	0	ubiquitously transcribed tetratricopeptide repeat containing, Y-lir	chrY:15360	NM_00125	XM_01703	.	.	NP_00124	XP_005262	protein_co	ENSG0000	7404	12638
UVRAG	3.83707	3.52053	3.87996	3.19832	2.95231	4.05355	UV radiation resistance associated [Source:HGNC Symbol;Acc:HG	chr11:7552	NM_00336	XM_01154	.	.	NP_00336	XP_011543	protein_co	ENSG0000	7405	12640
UVSSA	4.49546	4.97528	5.85865	3.69711	3.66967	4.17476	UV stimulated scaffold protein A [Source:HGNC Symbol;Acc:HGN	chr4:13410	NM_00131	XM_01700	.	.	NP_00130	XP_005272	protein_co	ENSG0000	57654	29304
UXS1	15.4043	17.0185	19.4445	15.8867	14.7543	17.753	UDP-glucuronate decarboxylase 1 [Source:HGNC Symbol;Acc:HGI	chr2:10670	NM_00125	XM_01151	.	.	NP_00124	XP_006712	protein_co	ENSG0000	80146	17729
UXT	77.5684	80.2948	72.5128	83.0444	59.4459	68.2134	ubiquitously expressed prefoldin like chaperone [Source:HGNC S	chrX:47511	NM_00418	.	.	.	NP_00417	.	protein_co	ENSG0000	8409	12641
VAC14	13.2767	13.0522	11.4561	15.4034	13.7891	10.7779	Vac14, PIKFYVE complex component [Source:HGNC Symbol;Acc:H	chr16:7072	NM_01805	XM_00525	.	.	NP_06052	XP_005256	protein_co	ENSG0000	55697	25507
VAMP1	4.50619	4.08657	3.30323	4.20014	2.95722	3.17973	vesicle associated membrane protein 1 [Source:HGNC Symbol;Ac	chr12:6561	NM_00129	.	.	.	NP_00128	.	protein_co	ENSG0000	6843	12642
VAMP2	19.9922	19.5866	17.3381	13.4312	13.4289	13.12	vesicle associated membrane protein 2 [Source:HGNC Symbol;Ac	chr17:8043	NM_01423	XM_00525	.	.	NP_05504	XP_005256	protein_co	ENSG0000	6844	12643
VAMP3	54.2174	55.1888	60.5959	58.5137	65.179	64.8562	vesicle associated membrane protein 3 [Source:HGNC Symbol;Ac	chr1:78313	NM_00478	.	.	.	NP_00477	.	protein_co	ENSG0000	9341	12644

VAMP4	1.94097	1.96373	1.5719	1.86126	1.39324	2.0838	vesicle associated membrane protein 4 [Source:HGNC Symbol;Ac	chr1:17166	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	8674	12645
VAMP5	1.04499	1.03829	1.12012	0.555763	1.06412	1.99327	vesicle associated membrane protein 5 [Source:HGNC Symbol;Ac	chr2:85811	NM_00663	.	.	.	NP_00662	.	protein_co	ENSG0000	10791	12646
VAMP7	10.4758	10.6775	9.454	12.6919	8.57658	10.9243	vesicle associated membrane protein 7 [Source:HGNC Symbol;Ac	chrX:15511	NM_00114	XM_01703	.	.	NP_00113	XP_011529	protein_co	ENSG0000	6845	11486
VAMP8	62.5345	62.4987	59.2516	62.3036	44.307	50.6923	vesicle associated membrane protein 8 [Source:HGNC Symbol;Ac	chr2:85788	NM_00376	XM_01700	.	.	NP_00375	XP_016860	protein_co	ENSG0000	8673	12647
VANGL1	13.7881	12.831	11.5599	15.7335	15.1637	12.8367	VANGL planar cell polarity protein 1 [Source:HGNC Symbol;Acc:H	chr1:11618	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	81839	15512
VANGL2	0.940705	0.564632	0.374632	0.665279	0.954451	0.849687	VANGL planar cell polarity protein 2 [Source:HGNC Symbol;Acc:H	chr1:16037	NM_02033	XM_01150	.	.	NP_06506	XP_005245	protein_co	ENSG0000	57216	15511
VAPA	69.4125	73.4731	63.058	88.3872	82.2239	94.8221	VAMP associated protein A [Source:HGNC Symbol;Acc:HGNC:126	chr18:9913	NM_00357	.	.	.	NP_00356	XP_011524	protein_co	ENSG0000	9218	12648
VAPB	25.1002	24.4533	25.1869	26.9702	28.0757	25.3846	VAMP associated protein B and C [Source:HGNC Symbol;Acc:HGN	chr20:5696	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	9217	12649
VARS	69.6762	72.8656	71.0669	89.1005	80.9091	79.9341	valyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:12651]	chr6:31745	NM_00629	XM_00524	.	.	NP_00628	XP_005249	protein_co	ENSG0000	7407	12651
VARS2	11.705	11.6793	11.9678	12.6477	11.9905	10.9703	valyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;Ac	chr6:30881	NM_00116	.	.	.	NP_00116	.	protein_co	ENSG0000	57176	21642
VASH1	5.28472	5.85426	7.09768	5.36819	5.07226	6.40874	vasohibin 1 [Source:HGNC Symbol;Acc:HGNC:19964]	chr14:7722	NM_01490	XM_01153	.	.	NP_05572	.	protein_co	ENSG0000	22846	19964
VASH2	2.51036	3.38466	3.12882	4.08775	5.0523	5.70128	vasohibin 2 [Source:HGNC Symbol;Acc:HGNC:25723]	chr1:21312	NM_00113	XM_01150	.	.	NP_00112	XP_011508	protein_co	ENSG0000	79805	25723
VASN	3.00271	3.2953	3.34491	2.84634	2.0135	2.74614	vasorin [Source:HGNC Symbol;Acc:HGNC:18517]	chr16:4364	NM_13844	.	.	.	NP_61244	.	protein_co	ENSG0000	114990	18517
VASP	55.0356	55.6678	51.7693	88.6905	75.7817	100.441	vasodilator-stimulated phosphoprotein [Source:HGNC Symbol;Ac	chr19:4601	NM_00337	XM_01702	.	.	NP_00336	XP_005259	protein_co	ENSG0000	7408	12652
VAT1	81.7412	83.0006	105.225	68.8097	57.2664	75.2481	vesicle amine transport 1 [Source:HGNC Symbol;Acc:HGNC:1691	chr17:4116	NM_00637	.	.	.	NP_00636	.	protein_co	ENSG0000	10493	16919
VAT1L	0.037064	0.019237	0.016087	0.020615	0.020936	0.11408	vesicle amine transport 1 like [Source:HGNC Symbol;Acc:HGNC:2	chr16:7782	NM_02092	.	.	.	NP_06597	.	protein_co	ENSG0000	57687	29315
VAV1	7.38458	7.11753	5.77863	6.73787	5.32871	7.34532	vav guanine nucleotide exchange factor 1 [Source:HGNC Symbol;	chr19:6772	NM_00125	XM_00525	.	.	NP_00124	XP_005259	protein_co	ENSG0000	7409	12657
VAV2	13.6578	14.1525	13.73	13.8445	13.4499	12.0061	vav guanine nucleotide exchange factor 2 [Source:HGNC Symbol;	chr9:13662	NM_00113	XM_01701	.	.	NP_00112	XP_005272	protein_co	ENSG0000	7410	12658
VAV3	0.014927	0	0	0	0	0	vav guanine nucleotide exchange factor 3 [Source:HGNC Symbol;	chr1:10811	NM_00107	XM_01154	.	.	NP_00107	XP_005270	protein_co	ENSG0000	10451	12659
VAX1	0	0	0	0	0	0	ventral anterior homeobox 1 [Source:HGNC Symbol;Acc:HGNC:12	chr10:1188	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	11023	12660
VAX2	0	0.351865	0.466588	0.289947	0.107639	0.312039	ventral anterior homeobox 2 [Source:HGNC Symbol;Acc:HGNC:12	chr2:71127	NM_01247	.	.	.	NP_03660	.	protein_co	ENSG0000	25806	12661
VBP1	41.2603	36.771	37.0623	48.6767	55.2723	56.5357	VHL binding protein 1 [Source:HGNC Symbol;Acc:HGNC:12662]	chrX:15442	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	7411	12662
VCAM1	0	0	0	0	0	0	vascular cell adhesion molecule 1 [Source:HGNC Symbol;Acc:HGN	chr1:10118	NM_00107	.	.	.	NP_00106	.	protein_co	ENSG0000	7412	12663
VCAN	10.9373	11.6378	20.6287	4.76107	5.65602	6.51114	versican [Source:HGNC Symbol;Acc:HGNC:2464]	chr5:82767	NM_00112	.	.	.	NP_00111	.	protein_co	ENSG0000	1462	2464
VCL	35.2931	37.7245	39.3858	32.6595	36.1385	45.4915	vinculin [Source:HGNC Symbol;Acc:HGNC:12665]	chr10:7575	NM_00337	XM_00527	.	.	NP_00336	.	protein_co	ENSG0000	7414	12665
VCP	102.42	104.83	79.2173	118.553	103.919	83.0325	valosin containing protein [Source:HGNC Symbol;Acc:HGNC:1266	chr9:35056	NM_00712	.	.	.	NP_00905	.	protein_co	ENSG0000	7415	12666
VCPIP1	6.8898	7.27475	6.52897	5.61101	6.44611	6.02917	valosin containing protein interacting protein 1 [Source:HGNC Sy	chr8:67540	NM_02505	.	.	.	NP_07933	.	protein_co	ENSG0000	80124	30897
VCPKMT	8.41164	6.70943	6.2367	5.62829	7.71986	6.51008	valosin containing protein lysine methyltransferase [Source:HGN	chr14:5057	NM_00104	.	NR_04973	.	NP_00103	XP_016877	protein_co	ENSG0000	79609	20352
VCX	0	0	0	0	0	0	variable charge, X-linked [Source:HGNC Symbol;Acc:HGNC:12667	chrX:78103	NM_01345	XM_01154	.	.	NP_03848	XP_011543	protein_co	ENSG0000	26609	12667
VCX2	0	0	0	0	0	0	variable charge, X-linked 2 [Source:HGNC Symbol;Acc:HGNC:1815	chrX:81379	NM_01637	.	.	.	NP_05746	.	protein_co	ENSG0000	51480	18158
VCX3A	0	0	0	0	0	0	variable charge, X-linked 3A [Source:HGNC Symbol;Acc:HGNC:181	chrX:64516	NM_01637	XM_00672	.	.	NP_05746	XP_006724	protein_co	ENSG0000	51481	18159
VCX3B	0	0	0	0	0	0	variable charge, X-linked 3B [Source:HGNC Symbol;Acc:HGNC:318	chrX:84328	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	425054	31838
VCY	0	0	0	0	0	0	variable charge, Y-linked [Source:HGNC Symbol;Acc:HGNC:12668	chrY:16097	NM_00467	.	.	.	NP_00467	.	protein_co	ENSG0000	9084	12668
VCY1B	0	0	0	0	0	0	variable charge, Y-linked 1B [Source:HGNC Symbol;Acc:HGNC:317	chrY:16168	NM_18188	.	.	.	NP_87099	.	protein_co	ENSG0000	353513	31751
VDAC1	217.543	212.945	207.366	262.405	248.004	225.61	voltage dependent anion channel 1 [Source:HGNC Symbol;Acc:H	chr5:13330	NM_00337	XM_00527	.	.	NP_00336	XP_005272	protein_co	ENSG0000	7416	12669
VDAC2	93.9512	94.92	94.0885	114.445	110.819	106.75	voltage dependent anion channel 2 [Source:HGNC Symbol;Acc:H	chr10:7696	NM_00118	XM_01154	.	.	NP_00117	XP_006718	protein_co	ENSG0000	7417	12672
VDAC3	117.496	113.931	112.27	162.149	138.989	109.544	voltage dependent anion channel 3 [Source:HGNC Symbol;Acc:H	chr8:42249	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	7419	12674
VDR	6.78395	6.07653	5.59905	6.72727	6.74754	4.83263	vitamin D (1,25- dihydroxyvitamin D3) receptor [Source:HGNC Sy	chr12:4823	NM_00037	XM_01153	.	.	NP_00036	XP_006719	protein_co	ENSG0000	7421	12679
VEGFA	28.0183	27.8546	19.7222	22.4568	20.8887	38.4264	vascular endothelial growth factor A [Source:HGNC Symbol;Acc:H	chr6:43737	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	7422	12680
VEGFB	21.4284	19.6506	20.9981	22.8032	16.0746	16.1709	vascular endothelial growth factor B [Source:HGNC Symbol;Acc:H	chr11:6400	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	7423	12681
VEGFC	0	0	0	0	0	0	vascular endothelial growth factor C [Source:HGNC Symbol;Acc:H	chr4:17760	NM_00542	.	.	.	NP_00542	.	protein_co	ENSG0000	7424	12682
VEGFD	0.286275	0.300699	0.106367	0.22885	0.321105	0.247324	vascular endothelial growth factor D [Source:HGNC Symbol;Acc:H	chrX:15363	NM_00446	.	.	.	NP_00446	.	protein_co	ENSG0000	2277	3708
VENTX	0	0	0	0	0	0	VENT homeobox [Source:HGNC Symbol;Acc:HGNC:13639]	chr10:1350	NM_01446	.	.	.	NP_05528	.	protein_co	ENSG0000	27287	13639
VEPH1	0.990034	0.746027	0.872061	0.977557	1.397	0.747191	ventricular zone expressed PH domain containing 1 [Source:HGN	chr3:15697	NM_00116	XM_01151	.	.	NP_00116	XP_011511	protein_co	ENSG0000	79674	25735
VEZF1	20.5355	22.5472	18.8506	11.2243	11.5515	13.9672	vascular endothelial zinc finger 1 [Source:HGNC Symbol;Acc:HGN	chr17:5605	NM_00714	XM_00525	.	.	NP_00907	XP_005257	protein_co	ENSG0000	7716	12949
VEZT	15.5387	14.5904	12.9723	13.1969	12.448	15.6704	vezatin, adherens junctions transmembrane protein [Source:HGN	chr12:9561	NM_01759	XM_01701	.	.	NP_06006	XP_006719	protein_co	ENSG0000	55591	18258
VGF	21.5757	21.6036	17.0163	7.10507	5.74877	6.90786	VGF nerve growth factor inducible [Source:HGNC Symbol;Acc:HG	chr7:10080	NM_00337	XM_01701	.	.	NP_00336	XP_005250	protein_co	ENSG0000	7425	12684
VGLL1	0	0	0	0	0	0	vestigial like family member 1 [Source:HGNC Symbol;Acc:HGNC:2	chrX:13561	NM_01626	.	.	.	NP_05735	.	protein_co	ENSG0000	51442	20985
VGLL2	0	0.052905	0	0	0	0	vestigial like family member 2 [Source:HGNC Symbol;Acc:HGNC:2	chr6:11758	NM_15345	XM_00526	.	.	NP_70315	XP_005266	protein_co	ENSG0000	245806	20232
VGLL3	0.085945	0.031074	0.033022	0	0	0	vestigial like family member 3 [Source:HGNC Symbol;Acc:HGNC:2	chr3:86987	NM_00132	XM_00671	.	.	NP_00130	XP_005264	protein_co	ENSG0000	389136	24327
VGLL4	17.3049	19.4934	18.7876	16.3992	16.6229	18.5108	vestigial like family member 4 [Source:HGNC Symbol;Acc:HGNC:2	chr3:11314	NM_00112	XM_01153	.	.	NP_00112	XP_011532	protein_co	ENSG0000	9686	28966
VHL	27.5338	31.8332	34.3386	22.315	25.7229	35.0105	von Hippel-Lindau tumor suppressor [Source:HGNC Symbol;Acc:H	chr3:10182	NM_00055	.	.	.	NP_00054	.	protein_co	ENSG0000	7428	12687
VHLL	0	0.157512	0	0.169079	0	0	von Hippel-Lindau tumor suppressor like [Source:HGNC Symbol;A	chr1:15626	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	391104	30666
VIL1	0.040643	0	0.051685	0.011505	0	0.042851	villin 1 [Source:HGNC Symbol;Acc:HGNC:12690]	chr2:21928	NM_00712	.	.	.	NP_00905	.	protein_co	ENSG0000	7429	12690
VILL	0.583302	0.552137	0.553201	0.556947	0.777934	0.372954	villin like [Source:HGNC Symbol;Acc:HGNC:30906]	chr3:38029	NM_01587	XM_01153	.	.	NP_05695	XP_005265	protein_co	ENSG0000	50853	30906
VIM	2.32151	2.65696	2.98648	2.45682	2.3488	4.15018	vimentin [Source:HGNC Symbol;Acc:HGNC:12692]	chr10:1727	NM_00338	XM_01151	.	.	NP_00337	XP_006717	protein_co	ENSG0000	7431	12692
VIMP	69.698	74.0344	49.9619	73.5462	71.1349	54.9897	VCP interacting membrane selenoprotein [Source:HGNC Symbol;	chr15:1018	NM_01844	.	.	.	NP_06091	.	protein_co	ENSG0000	55829	30396
VIP	0	0	0	0	0	0	vasoactive intestinal peptide [Source:HGNC Symbol;Acc:HGNC:12	chr6:15307	NM_00338	XM_00671	.	.	NP_00337	XP_005267	protein_co	ENSG0000	7432	12693
VIPAS39	8.82868	10.0219	8.90896	8.61581	8.29292	8.20763	VPS33B interacting protein, apical-basolateral polarity regulator,	chr14:7789	NM_00119	XM_01153	.	.	NP_00118	XP_011535	protein_co	ENSG0000	63894	20347

VIPR1	3.66076	3.77066	3.02695	4.19089	4.28771	4.29542	vasoactive intestinal peptide receptor 1 [Source:HGNC Symbol;Ac	chr3:42530	NM_00125	XM_01153	.	.		NP_00123	XP_005265	protein_co	ENSG0000	7433	12694
VIPR2	0	0	0	0	0	0	vasoactive intestinal peptide receptor 2 [Source:HGNC Symbol;Ac	chr7:15882	NM_00130	XM_01701	.	.		NP_00129	XP_005249	protein_co	ENSG0000	7434	12695
VIT	0	0	0	0	0	0.059278	vitrin [Source:HGNC Symbol;Acc:HGNC:12697]	chr2:36923	NM_00117	XM_01153	.	.		NP_00117	XP_011531	protein_co	ENSG0000	5212	12697
VKORC1	81.3444	77.4005	93.2723	91.7592	75.8906	80.6227	vitamin K epoxide reductase complex subunit 1 [Source:HGNC Sy	chr16:3108	NM_00131	XM_01154	.	.		NP_00129	XP_011544	protein_co	ENSG0000	79001	23663
VKORC1L1	17.9707	18.7477	16.645	20.3963	26.1483	21.0853	vitamin K epoxide reductase complex subunit 1 like 1 [Source:HG	chr7:65338	NM_00128	XM_01151	.	.		NP_00127	XP_011514	protein_co	ENSG0000	154807	21492
VLDLR	0	0	0	0	0	0	very low density lipoprotein receptor [Source:HGNC Symbol;Acc:	chr9:26218	NM_00101	XM_01151	.	.		NP_00101	.	protein_co	ENSG0000	7436	12698
VMA21	17.1436	18.5366	16.886	20.0713	24.1155	22.5811	VMA21 vacuolar H+-ATPase homolog (S. cerevisiae) [Source:HGN	chrX:15056	NM_00101	XM_01153	.	.		NP_00101	XP_011529	protein_co	ENSG0000	203547	22082
VMAC	0.989954	1.11517	1.50938	0.557415	0.502558	0.595842	vimentin-type intermediate filament associated coiled-coil protei	chr19:5904	NM_00101	.	.	.		NP_00101	.	protein_co	ENSG0000	400673	33803
VMO1	0.332516	0.571535	0.501561	1.05602	0	0.647444	vitelline membrane outer layer 1 homolog [Source:HGNC Symbol	chr17:4688	NM_00114	.	.	.		NP_00113	.	protein_co	ENSG0000	284013	30387
VMP1	57.4204	56.1016	52.5218	55.0932	54.3979	56.1274	vacuole membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:29	chr17:5777	NM_03093	.	NR_02949	.		NP_00131	.	protein_co	ENSG0000	406991	29559
VN1R1	0	0.04291	0	0	0	0	vomeronasal 1 receptor 1 [Source:HGNC Symbol;Acc:HGNC:1354	chr19:5787	NM_02063	.	.	.		NP_06568	.	protein_co	ENSG0000	57191	13548
VN1R2	0	0	0	0	0	0	vomeronasal 1 receptor 2 [Source:HGNC Symbol;Acc:HGNC:1987	chr19:5376	NM_17385	.	.	.		NP_77625	.	protein_co	ENSG0000	317701	19872
VN1R4	0	0	0	0	0	0	vomeronasal 1 receptor 4 [Source:HGNC Symbol;Acc:HGNC:1987	chr19:5376	NM_17385	XM_01152	.	.		NP_77625	XP_011525	protein_co	ENSG0000	317703	19871
VNN1	0.076738	0.164506	0.111215	0.029164	0	0	vanin 1 [Source:HGNC Symbol;Acc:HGNC:12705]	chr6:13300	NM_00466	.	.	.		NP_00465	.	protein_co	ENSG0000	8876	12705
VNN2	0	0	0.074585	0	0	0.042519	vanin 2 [Source:HGNC Symbol;Acc:HGNC:12706]	chr6:13306	NM_00124	XM_00671	.	.		NP_00122	XP_006715	protein_co	ENSG0000	8875	12706
VNN3	0.075417	0	0	0	0	0	vanin 3 [Source:HGNC Symbol;Acc:HGNC:16431]	chr6:13304	NM_00129	.	.	.		NP_00127	.	protein_co	ENSG0000	55350	16431
VOPP1	11.6494	11.1467	11.173	12.9957	12.56	10.9144	vesicular, overexpressed in cancer, prosurvival protein 1 [Source:	chr7:55538	NM_00128	XM_01151	.	.		NP_00127	.	protein_co	ENSG0000	81552	34518
VPREB1	0	0	0	0	0	0	pre-B lymphocyte 1 [Source:HGNC Symbol;Acc:HGNC:12709]	chr22:2259	NM_00130	.	.	.		NP_00129	.	protein_co	ENSG0000	7441	12709
VPREB3	2.40757	1.52212	2.46879	2.1252	1.85166	2.85172	pre-B lymphocyte 3 [Source:HGNC Symbol;Acc:HGNC:12710]	chr22:2409	NM_01337	.	.	.		NP_03751	.	protein_co	ENSG0000	29802	12710
VPS11	12.2042	11.5492	9.56212	9.75051	9.68663	7.72988	VPS11, CORVET/HOPS core subunit [Source:HGNC Symbol;Acc:H	chr11:1189	NM_00129	XM_01154	.	.		NP_00127	XP_011541	protein_co	ENSG0000	55823	14583
VPS13A	10.517	9.00545	15.7997	8.11243	10.3663	13.7045	vacuolar protein sorting 13 homolog A [Source:HGNC Symbol;Acc	chr9:79792	NM_00101	.	.	.		NP_00101	.	protein_co	ENSG0000	23230	1908
VPS13B	4.03526	4.84931	6.14387	3.43197	4.68424	5.69066	vacuolar protein sorting 13 homolog B [Source:HGNC Symbol;Acc	chr8:10002	NM_01524	XM_01701	.	.		NP_05605	XP_005250	protein_co	ENSG0000	157680	2183
VPS13C	3.3009	3.30999	4.69274	2.15654	3.19935	3.22912	vacuolar protein sorting 13 homolog C [Source:HGNC Symbol;Acc	chr15:6214	NM_00101	.	.	.		NP_00101	.	protein_co	ENSG0000	54832	23594
VPS13D	4.16762	4.40674	5.5389	3.92843	4.31507	4.35742	vacuolar protein sorting 13 homolog D [Source:HGNC Symbol;Acc	chr1:12290	NM_01537	.	.	.		NP_05619	.	protein_co	ENSG0000	55187	23595
VPS16	17.4355	16.1099	17.3106	18.3143	17.6006	16.0476	VPS16, CORVET/HOPS core subunit [Source:HGNC Symbol;Acc:H	chr20:2815	NM_02257	.	.	.		NP_07209	.	protein_co	ENSG0000	64601	14584
VPS18	10.8552	12.802	14.4997	12.9608	13.031	8.70964	VPS18, CORVET/HOPS core subunit [Source:HGNC Symbol;Acc:H	chr15:4118	NM_02085	.	.	.		NP_06590	XP_011520	protein_co	ENSG0000	57617	15972
VPS25	59.513	56.6691	57.0585	64.6391	44.2313	41.7749	vacuolar protein sorting 25 homolog [Source:HGNC Symbol;Acc:H	chr17:4092	NM_03235	.	.	.		NP_11572	.	protein_co	ENSG0000	84313	28122
VPS26A	27.4395	26.328	28.8734	29.2443	36.8175	39.5736	VPS26, retromer complex component A [Source:HGNC Symbol;A	chr10:7088	NM_00103	XM_01154	.	.		NP_00103	.	protein_co	ENSG0000	9559	12711
VPS26B	15.9033	15.3485	15.9776	13.8911	13.1455	13.0988	VPS26, retromer complex component B [Source:HGNC Symbol;A	chr11:1340	NM_05287	.	.	.		NP_44310	.	protein_co	ENSG0000	112936	28119
VPS28	61.7162	55.6138	56.5844	62.6482	49.2896	57.9226	VPS28, ESCRT-I subunit [Source:HGNC Symbol;Acc:HGNC:18178]	chr8:14564	NM_01620	XM_01151	.	.		NP_05729	XP_005272	protein_co	ENSG0000	51160	18178
VPS29	60.179	56.2163	59.4476	67.7774	65.1755	68.9889	VPS29, retromer complex component [Source:HGNC Symbol;Acc:	chr12:1109	NM_00128	XM_01701	.	.		NP_00126	XP_006719	protein_co	ENSG0000	51699	14340
VPS33A	9.61732	9.15283	8.27804	9.68185	8.58759	7.76728	VPS33A, CORVET/HOPS core subunit [Source:HGNC Symbol;Acc:H	chr12:1227	NM_02291	.	.	.		NP_07506	.	protein_co	ENSG0000	65082	18179
VPS33B	9.19369	10.4972	10.4224	10.4138	9.61152	8.37724	VPS33B, late endosome and lysosome associated [Source:HGNC S	chr15:9154	NM_00128	XM_01152	.	.		NP_00127	XP_005254	protein_co	ENSG0000	26276	12712
VPS35	29.3395	28.5541	29.0339	27.9639	31.5812	30.0846	VPS35, retromer complex component [Source:HGNC Symbol;Acc:	chr16:4669	NM_01820	XM_01152	.	.		NP_06067	XP_005256	protein_co	ENSG0000	55737	13487
VPS36	16.9849	18.2438	16.7905	13.1534	14.0688	14.3363	vacuolar protein sorting 36 homolog [Source:HGNC Symbol;Acc:H	chr13:5298	NM_00128	.	.	.		NP_00126	.	protein_co	ENSG0000	51028	20312
VPS37A	15.8839	16.4183	17.8073	15.5511	21.4541	18.8167	VPS37A, ESCRT-I subunit [Source:HGNC Symbol;Acc:HGNC:24928	chr8:17082	NM_00114	XM_01701	.	.		NP_00113	XP_005273	protein_co	ENSG0000	137492	24928
VPS37B	39.5253	37.435	37.6511	43.5762	36.7704	37.3515	VPS37B, ESCRT-I subunit [Source:HGNC Symbol;Acc:HGNC:25754	chr12:1233	NM_02466	.	.	.		NP_07894	.	protein_co	ENSG0000	79720	25754
VPS37C	12.4712	12.0423	10.7339	10.6862	8.96375	11.0567	VPS37C, ESCRT-I subunit [Source:HGNC Symbol;Acc:HGNC:26097	chr11:6089	NM_01796	XM_00527	.	.		NP_06043	XP_005274	protein_co	ENSG0000	55048	26097
VPS37D	5.93405	6.99603	6.77011	7.71571	5.248	6.05789	VPS37D, ESCRT-I subunit [Source:HGNC Symbol;Acc:HGNC:18287	chr7:73082	NM_00107	.	.	.		NP_00107	.	protein_co	ENSG0000	155382	18287
VPS39	12.5658	12.7107	13.7016	10.1923	10.6286	10.9248	VPS39, HOPS complex subunit [Source:HGNC Symbol;Acc:HGNC:2	chr15:4245	NM_00130	XM_01152	.	.		NP_00128	XP_011519	protein_co	ENSG0000	23339	20593
VPS41	11.6981	11.8614	11.3823	10.4271	11.6784	12.7937	VPS41, HOPS complex subunit [Source:HGNC Symbol;Acc:HGNC:1	chr7:38762	NM_01439	.	.	.		NP_05521	.	protein_co	ENSG0000	27072	12713
VPS45	14.0717	14.1812	12.6732	16.3307	16.5726	14.0438	vacuolar protein sorting 45 homolog [Source:HGNC Symbol;Acc:H	chr1:15003	NM_00127	.	.	.		NP_00126	.	protein_co	ENSG0000	11311	14579
VPS4A	24.2865	24.4333	22.5362	31.0905	26.6428	24.6579	vacuolar protein sorting 4 homolog A [Source:HGNC Symbol;Acc:	chr16:6922	NM_01324	.	.	.		NP_03737	.	protein_co	ENSG0000	27183	13488
VPS4B	20.6503	20.3613	20.3774	20.7661	20.72	21.9653	vacuolar protein sorting 4 homolog B [Source:HGNC Symbol;Acc:	chr18:6105	NM_00486	XM_01152	.	.		NP_00486	XP_006722	protein_co	ENSG0000	9525	10895
VPS50	4.34187	4.14598	4.76659	3.30544	4.8613	4.83252	VPS50, EARP/GARPII complex subunit [Source:HGNC Symbol;Acc:	chr7:92861	NM_00125	XM_01151	.	.		NP_00124	XP_011514	protein_co	ENSG0000	55610	25956
VPS51	36.5801	36.5065	35.7315	39.9138	32.9905	32.6895	VPS51, GARP complex subunit [Source:HGNC Symbol;Acc:HGNC:1	chr11:6486	NM_01326	.	.	.		NP_03739	.	protein_co	ENSG0000	738	1172
VPS52	20.9784	21.0675	16.5499	17.4511	16.1721	13.1595	VPS52, GARP complex subunit [Source:HGNC Symbol;Acc:HGNC:1	chr6:33218	NM_00128	XM_01151	.	.		NP_00127	XP_011513	protein_co	ENSG0000	6293	10518
VPS53	4.34882	4.19264	5.02518	5.0313	4.84333	4.02712	VPS53, GARP complex subunit [Source:HGNC Symbol;Acc:HGNC:2	chr17:4119	NM_00112	XM_01152	.	.		NP_00112	XP_011522	protein_co	ENSG0000	55275	25608
VPS54	6.83491	6.31889	7.46759	5.29931	6.77245	8.98496	VPS54, GARP complex subunit [Source:HGNC Symbol;Acc:HGNC:1	chr2:64119	NM_00100	XM_00671	.	.		NP_00100	XP_006712	protein_co	ENSG0000	51542	18652
VPS72	36.9711	37.8236	33.7081	45.0781	37.3387	35.5946	vacuolar protein sorting 72 homolog [Source:HGNC Symbol;Acc:H	chr1:15114	NM_00127	.	.	.		NP_00125	.	protein_co	ENSG0000	6944	11644
VPS8	7.43329	7.37456	9.20542	6.41436	7.85949	8.90387	VPS8, CORVET complex subunit [Source:HGNC Symbol;Acc:HGNC	chr3:18452	NM_00100	XM_00524	.	.		NP_00100	XP_005247	protein_co	ENSG0000	23355	29122
VPS9D1	1.72724	1.46806	1.85471	1.66979	1.51906	1.66969	VPS9 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:1352	chr16:8977	NM_00491	XM_01152	.	.		NP_00490	XP_005256	protein_co	ENSG0000	9605	13526
VRK1	35.4235	34.9249	28.3442	45.2248	43.2814	35.0302	vaccinia related kinase 1 [Source:HGNC Symbol;Acc:HGNC:12718	chr14:9726	NM_00338	XM_01702	.	.		NP_00337	XP_006720	protein_co	ENSG0000	7443	12718
VRK2	17.4922	15.4837	14.4191	14.1352	18.7422	19.5938	vaccinia related kinase 2 [Source:HGNC Symbol;Acc:HGNC:12719	chr2:58134	NM_00113	XM_01153	.	.		NP_00112	XP_005264	protein_co	ENSG0000	7444	12719
VRK3	13.0004	12.6804	13.2206	13.7934	10.8806	12.0442	vaccinia related kinase 3 [Source:HGNC Symbol;Acc:HGNC:18996	chr19:5047	NM_00102	XM_01152	.	.		NP_00102	XP_005259	protein_co	ENSG0000	51231	18996
VRTN	0	0.047145	0.020391	0	0	0	vertebrae development associated [Source:HGNC Symbol;Acc:HG	chr14:7481	NM_01822	XM_01153	.	.		NP_06069	XP_011535	protein_co	ENSG0000	55237	20223
VSIG1	0.078742	0.083139	0.09101	0.088664	0.146155	0.026284	V-set and immunoglobulin domain containing 1 [Source:HGNC Sy	chrX:10728	NM_00117	XM_01153	.	.		NP_00116	XP_005262	protein_co	ENSG0000	340547	28675
VSIG10	7.26266	7.0738	8.75452	6.29225	7.98883	10.0352	V-set and immunoglobulin domain containing 10 [Source:HGNC S	chr12:1185	NM_01908	XM_01153	.	.		NP_06195	XP_006719	protein_co	ENSG0000	54621	26078
VSIG10L	1.96556	2.74647	2.2928	2.40935	1.73969	1.52478	V-set and immunoglobulin domain containing 10 like [Source:HG	chr19:5183	NM_00116	.	.	.		NP_00115	.	protein_co	ENSG0000	147645	27111

VSIG2	0.069509	0.132637	0.060089	0	0	0	V-set and immunoglobulin domain containing 2 [Source:HGNC Sy	chr11:1246	NM_01431	.	.	.	NP_05512	.	protein_co	ENSG0000	23584	17149
VSIG4	0	0	0	0	0	0	V-set and immunoglobulin domain containing 4 [Source:HGNC Sy	chrX:65241	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	11326	17032
VSIG8	0.048708	5.7E-110	0	0.048353	0	0.054295	V-set and immunoglobulin domain containing 8 [Source:HGNC Sy	chr1:15979	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	391123	32063
VSNL1	5.01883	4.90141	5.51957	6.72648	6.65933	8.766	visinin like 1 [Source:HGNC Symbol;Acc:HGNC:12722]	chr2:17720	NM_00338	.	.	.	NP_00337	.	protein_co	ENSG0000	7447	12722
VSTM1	0	0	0	0	0	0	V-set and transmembrane domain containing 1 [Source:HGNC Sy	chr19:5454	NM_00128	XM_01152	.	.	NP_00127	XP_01152	protein_co	ENSG0000	284415	29455
VSTM2A	0	0	0	0	0	0	V-set and transmembrane domain containing 2A [Source:HGNC S	chr7:54610	NM_00130	XM_01151	.	.	NP_00128	XP_01151	protein_co	ENSG0000	222008	28499
VSTM2B	0.075691	0	0	0	0	0	V-set and transmembrane domain containing 2B [Source:HGNC S	chr19:3001	NM_00114	XM_01152	.	.	NP_00113	XP_01152	protein_co	ENSG0000	342865	33595
VSTM2L	0	0.096139	0.264454	0.052704	0.217104	0.113641	V-set and transmembrane domain containing 2 like [Source:HGN	chr20:3653	NM_08060	XM_01152	.	.	NP_54217	XP_01152	protein_co	ENSG0000	128434	16096
VSTM4	0	0	0	0	0	0	V-set and transmembrane domain containing 4 [Source:HGNC Sy	chr10:5022	NM_00103	XM_01701	.	.	NP_00102	XP_01687	protein_co	ENSG0000	196740	26470
VSTM5	0	0	0	0	0	0.026539	V-set and transmembrane domain containing 5 [Source:HGNC Sy	chr11:9355	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	387804	34443
VSX1	0	0	0	0	0	0	visual system homeobox 1 [Source:HGNC Symbol;Acc:HGNC:1272	chr20:2505	NM_00125	.	.	.	NP_00124	XP_01688	protein_co	ENSG0000	30813	12723
VSX2	0	0	0	0.028214	0.030353	0	visual system homeobox 2 [Source:HGNC Symbol;Acc:HGNC:1975	chr14:7470	NM_18289	XM_01153	.	.	NP_87831	.	protein_co	ENSG0000	338917	1975
VTA1	39.1903	39.2488	40.6315	44.3389	49.4356	50.4327	vesicle trafficking 1 [Source:HGNC Symbol;Acc:HGNC:20954]	chr6:14246	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	51534	20954
VTCN1	0.063783	0.235793	0.182842	0.107767	0.10673	0.032003	V-set domain containing T cell activation inhibitor 1 [Source:HGN	chr1:11768	NM_00125	.	.	.	NP_00124	XP_01685	protein_co	ENSG0000	79679	28873
VTI1A	21.9585	21.4876	27.8212	25.4412	26.3366	29.3812	vesicle transport through interaction with t-SNAREs 1A [Source:H	chr10:1142	NM_00131	XM_01153	NR_13452	.	NP_00130	XP_00526	protein_co	ENSG0000	143187	17792
VTI1B	15.1228	15.1563	13.4156	14.4016	12.874	12.8303	vesicle transport through interaction with t-SNAREs 1B [Source:H	chr14:6808	NM_00637	.	.	.	NP_00636	.	protein_co	ENSG0000	10490	17793
VTN	0	0	0.03012	0	0	0	vitronectin [Source:HGNC Symbol;Acc:HGNC:12724]	chr17:2669	NM_00063	.	.	.	NP_00062	.	protein_co	ENSG0000	7448	12724
VWA1	26.8179	25.5897	26.2787	43.0411	32.2833	24.1169	von Willebrand factor A domain containing 1 [Source:HGNC Symb	chr1:13709	NM_02283	.	.	.	NP_07374	.	protein_co	ENSG0000	64856	30910
VWA2	0	0	0	0.096102	0.069422	0	von Willebrand factor A domain containing 2 [Source:HGNC Symb	chr10:1159	NM_00127	XM_01701	.	.	NP_00125	XP_01153	protein_co	ENSG0000	340706	24709
VWA3A	0.067651	0	0	0	0.226307	0.028423	von Willebrand factor A domain containing 3A [Source:HGNC Sym	chr16:2210	NM_17361	XM_01154	.	.	NP_77588	XP_01150	protein_co	ENSG0000	101930115	27088
VWA3B	0.101707	0.034928	0.064045	0.03453	0.035539	0.097877	von Willebrand factor A domain containing 3B [Source:HGNC Sym	chr2:98703	NM_14499	XM_01151	.	.	NP_65942	XP_00526	protein_co	ENSG0000	200403	28385
VWA5A	4.54221	4.09234	4.13957	3.08948	2.22427	3.37081	von Willebrand factor A domain containing 5A [Source:HGNC Sym	chr11:1239	NM_00113	XM_01154	.	.	NP_00112	XP_01154	protein_co	ENSG0000	4013	6658
VWA5B1	0	0	0	0	0	0	von Willebrand factor A domain containing 5B1 [Source:HGNC Sy	chr1:20617	NM_00103	XM_01154	.	.	NP_00103	XP_01153	protein_co	ENSG0000	127731	26538
VWA5B2	2.87683	3.9742	4.41087	4.33203	3.47646	3.70786	von Willebrand factor A domain containing 5B2 [Source:HGNC Sy	chr3:18394	NM_13834	XM_01151	.	.	NP_00130	XP_00671	protein_co	ENSG0000	90113	25144
VWA7	2.51648	2.14493	2.30642	1.58288	1.85439	1.62581	von Willebrand factor A domain containing 7 [Source:HGNC Symb	chr6:31733	NM_02525	XM_00524	.	.	NP_07953	XP_00524	protein_co	ENSG0000	80737	13939
VWA8	5.88053	6.04023	7.70393	5.36145	6.31848	6.69072	von Willebrand factor A domain containing 8 [Source:HGNC Symb	chr13:4214	NM_00100	XM_01153	NR_04980	.	NP_00100	XP_01687	protein_co	ENSG0000	100847026	29071
VWA9	36.1397	35.421	31.1013	33.4346	32.0217	30.9712	von Willebrand factor A domain containing 9 [Source:HGNC Symb	chr15:6587	NM_00113	XM_01152	.	.	NP_00112	XP_00672	protein_co	ENSG0000	81556	25372
VWC2	0	0	0	0	0	0	von Willebrand factor C domain containing 2 [Source:HGNC Symb	chr7:49813	NM_19857	.	.	.	NP_94097	.	protein_co	ENSG0000	375567	30200
VWC2L	0	0	0	0	0	0	von Willebrand factor C domain containing protein 2-like [Source	chr2:21527	NM_00108	XM_01151	.	.	NP_00107	XP_01150	protein_co	ENSG0000	402117	37203
VWCE	0.614383	0.589888	1.11608	0.525586	0.456531	0.514602	von Willebrand factor C and EGF domains [Source:HGNC Symbol;	chr11:6102	NM_15271	XM_01154	.	.	NP_68993	XP_00671	protein_co	ENSG0000	220001	26487
VWDE	3.8618	3.17748	4.94086	2.5178	3.51598	3.23022	von Willebrand factor D and EGF domains [Source:HGNC Symbol;	chr7:12370	NM_00113	XM_01151	.	.	NP_00112	XP_00524	protein_co	ENSG0000	221806	21897
VWF	0.110132	0.094371	0.115019	0.067853	0.109254	0.076836	von Willebrand factor [Source:HGNC Symbol;Acc:HGNC:12726]	chr12:6058	NM_00055	.	.	.	NP_00054	.	protein_co	ENSG0000	7450	12726
WAC	47.5779	45.2902	44.3163	41.9373	50.8073	60.8525	WW domain containing adaptor with coiled-coil [Source:HGNC Sy	chr10:2882	NM_01662	XM_01151	.	.	NP_05771	XP_01151	protein_co	ENSG0000	51322	17327
WAPL	14.7291	14.539	15.9748	14.7819	20.0538	18.9485	WAPL cohesin release factor [Source:HGNC Symbol;Acc:HGNC:23	chr10:8819	NM_00131	XM_01153	.	.	NP_00130	XP_01153	protein_co	ENSG0000	23063	23293
WARS	61.2907	64.5941	37.1233	54.0819	53.2929	69.2706	tryptophanyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:	chr14:1008	NM_00418	XM_01702	.	.	NP_00417	XP_00526	protein_co	ENSG0000	7453	12729
WARS2	4.80307	4.72213	3.14818	3.90167	3.82126	3.99042	tryptophanyl tRNA synthetase 2, mitochondrial [Source:HGNC Sy	chr1:11957	NM_01583	XM_01154	.	.	NP_05665	XP_00527	protein_co	ENSG0000	10352	12730
WAS	0.152686	0.150865	0.36478	0.326401	0.220639	0.465037	Wiskott-Aldrich syndrome [Source:HGNC Symbol;Acc:HGNC:1273	chrX:48542	NM_00037	XM_01154	.	.	NP_00036	XP_01154	protein_co	ENSG0000	7454	12731
WASF1	7.63368	9.72883	9.79201	7.85977	8.38247	10.3926	WAS protein family member 1 [Source:HGNC Symbol;Acc:HGNC:	chr6:11042	NM_00102	XM_01701	.	.	NP_00102	XP_00526	protein_co	ENSG0000	8936	12732
WASF2	35.9683	37.8473	33.5973	31.8287	32.7461	37.355	WAS protein family member 2 [Source:HGNC Symbol;Acc:HGNC:	chr1:27730	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	10163	12733
WASF3	2.22825	1.83584	2.11578	2.23783	2.38152	2.1655	WAS protein family member 3 [Source:HGNC Symbol;Acc:HGNC:	chr13:2713	NM_00129	XM_01153	.	.	NP_00127	XP_01153	protein_co	ENSG0000	10810	12734
WASH1	7.75113	7.61077	8.63186	8.85433	8.20253	6.89201	WAS protein family homolog 1 [Source:HGNC Symbol;Acc:HGNC:	chr9:14520	NM_18290	XM_01151	.	.	NP_87890	XP_01151	protein_co	ENSG0000	100287171	24361
WASL	10.2774	10.3697	10.0421	11.3805	11.2419	12.0942	Wiskott-Aldrich syndrome like [Source:HGNC Symbol;Acc:HGNC:	chr7:12332	NM_00394	.	.	.	NP_00393	.	protein_co	ENSG0000	8976	12735
WBP1	37.933	33.7656	38.7133	40.6844	30.9268	38.9236	WW domain binding protein 1 [Source:HGNC Symbol;Acc:HGNC:	chr2:74685	NM_01247	.	.	.	NP_03660	.	protein_co	ENSG0000	23559	12737
WBP11	27.366	28.7688	22.1378	32.1423	29.5531	23.7726	WW domain binding protein 11 [Source:HGNC Symbol;Acc:HGNC	chr12:1493	NM_01631	.	.	.	NP_05739	.	protein_co	ENSG0000	51729	16461
WBP1L	15.2053	14.7576	13.3777	14.728	13.98	14.9731	WW domain binding protein 1-like [Source:HGNC Symbol;Acc:HG	chr10:1045	NM_00108	XM_01153	.	.	NP_00107	XP_01153	protein_co	ENSG0000	54838	23510
WBP2	75.4216	72.6172	66.2682	70.7812	57.6858	64.5119	WW domain binding protein 2 [Source:HGNC Symbol;Acc:HGNC:	chr17:7384	NM_01247	XM_01152	.	.	NP_03661	XP_01152	protein_co	ENSG0000	23558	12738
WBP2NL	0	0	0	0	0	0	WBP2 N-terminal like [Source:HGNC Symbol;Acc:HGNC:28389]	chr22:4239	NM_15261	.	.	.	NP_68982	.	protein_co	ENSG0000	164684	28389
WBP4	11.4079	10.7689	9.82798	9.83851	10.2154	11.9772	WW domain binding protein 4 [Source:HGNC Symbol;Acc:HGNC:	chr13:4163	NM_00718	.	.	.	NP_00911	XP_00526	protein_co	ENSG0000	11193	12739
WBSCR17	0	0	0	0	0	0	Williams-Beuren syndrome chromosome region 17 [Source:HGN	chr7:70597	NM_02247	.	.	.	NP_07192	.	protein_co	ENSG0000	64409	16347
WBSCR22	108.747	104.864	110.036	126.879	106.009	101.219	Williams-Beuren syndrome chromosome region 22 [Source:HGN	chr7:73097	NM_00120	XM_01151	.	.	NP_00118	XP_00671	protein_co	ENSG0000	114049	16405
WBSCR27	17.6453	15.8624	11.9778	14.4157	11.1959	11.7126	Williams Beuren syndrome chromosome region 27 [Source:HGN	chr7:73248	NM_15255	XM_01151	.	.	NP_68977	XP_01151	protein_co	ENSG0000	155368	19068
WBSCR28	0.769377	0.882481	0.852127	1.2953	0.759199	0.592169	Williams-Beuren syndrome chromosome region 28 [Source:HGN	chr7:73275	NM_18250	.	.	.	NP_87231	.	protein_co	ENSG0000	135886	23018
WDCP	12.159	11.7116	11.1946	12.1323	13.2315	10.5452	WD repeat and coiled coil containing [Source:HGNC Symbol;Acc:H	chr2:24252	NM_00114	.	.	.	NP_00113	XP_01686	protein_co	ENSG0000	80304	26157
WDFY1	15.0748	15.582	18.0782	18.6503	22.8231	23.8656	WD repeat and FYVE domain containing 1 [Source:HGNC Symbol;	chr2:22474	NM_02083	.	.	.	NP_06588	.	protein_co	ENSG0000	57590	20451
WDFY2	2.26189	2.23384	2.56424	2.4014	2.65188	3.24	WD repeat and FYVE domain containing 2 [Source:HGNC Symbol;	chr13:5215	NM_05295	XM_01153	.	.	NP_44318	XP_01153	protein_co	ENSG0000	115825	20482
WDFY3	4.06052	4.43263	4.29792	3.12165	3.76543	4.58709	WD repeat and FYVE domain containing 3 [Source:HGNC Symbol;	chr4:85590	NM_01499	XM_01700	.	.	NP_05580	XP_00526	protein_co	ENSG0000	23001	20751
WDFY4	0	0	0	0	0	0	WDFY family member 4 [Source:HGNC Symbol;Acc:HGNC:29323]	chr10:4989	.	.	.	.	.	.	protein_co	ENSG0000	.	29323
WDHD1	13.4032	12.7741	11.2868	13.7444	16.0645	15.523	WD repeat and HMG-box DNA binding protein 1 [Source:HGNC S	chr14:5540	NM_00100	XM_00672	.	.	NP_00100	XP_00672	protein_co	ENSG0000	11169	23170
WDPCP	0.729076	0.837775	0.755531	0.89544	0.848369	0.933786	WD repeat containing planar cell polarity effector [Source:HGNC	chr2:63348	NM_00104	XM_01153	.	.	NP_00103	XP_00526	protein_co	ENSG0000	51057	28027

WDR1	86.6634	93.5337	100.689	108.206	90.6675	98.0817	WD repeat domain 1 [Source:HGNC Symbol;Acc:HGNC:12754]	chr4:10075	NM_00511	.	.	.	NP_00510	.	protein_co	ENSG0000	9948	12754
WDR11	19.7015	20.6949	21.6837	18.8024	18.5665	18.2407	WD repeat domain 11 [Source:HGNC Symbol;Acc:HGNC:13831]	chr10:1226	NM_01811	XM_00526	.	.	NP_06058	XP_00527	protein_co	ENSG0000	55717	13831
WDR12	14.0212	14.5451	14.4811	16.5306	16.2849	14.0421	WD repeat domain 12 [Source:HGNC Symbol;Acc:HGNC:14098]	chr2:20373	NM_01825	XM_01151	.	.	NP_06072	XP_01150	protein_co	ENSG0000	55759	14098
WDR13	12.6621	13.0982	12.8851	11.8991	10.4491	9.73859	WD repeat domain 13 [Source:HGNC Symbol;Acc:HGNC:14352]	chrX:48455	NM_00116	XM_01154	.	.	NP_00115	XP_00672	protein_co	ENSG0000	64743	14352
WDR17	0	0	0	0.020875	0	0	WD repeat domain 17 [Source:HGNC Symbol;Acc:HGNC:16661]	chr4:17698	NM_17071	XM_01153	.	.	NP_73382	XP_00526	protein_co	ENSG0000	116966	16661
WDR18	57.3343	65.4694	46.9569	73.9484	56.3818	52.4773	WD repeat domain 18 [Source:HGNC Symbol;Acc:HGNC:17956]	chr19:9842	NM_02410	.	.	.	NP_07700	XP_01688	protein_co	ENSG0000	57418	17956
WDR19	3.65369	3.80158	4.70415	2.31295	3.39076	3.43124	WD repeat domain 19 [Source:HGNC Symbol;Acc:HGNC:18340]	chr4:39184	NM_00131	XM_01700	.	.	NP_00130	XP_01151	protein_co	ENSG0000	57728	18340
WDR20	10.0006	10.8148	9.69277	11.6297	10.1368	10.8106	WD repeat domain 20 [Source:HGNC Symbol;Acc:HGNC:19667]	chr14:1026	NM_00124	XM_01702	.	.	NP_00122	XP_00672	protein_co	ENSG0000	91833	19667
WDR24	5.15563	4.84327	4.65829	5.67758	5.35195	3.90854	WD repeat domain 24 [Source:HGNC Symbol;Acc:HGNC:20852]	chr16:7346	NM_03225	XM_01152	.	.	NP_11563	XP_01152	protein_co	ENSG0000	84219	20852
WDR25	5.64313	5.10433	3.49405	5.50255	3.99122	4.84844	WD repeat domain 25 [Source:HGNC Symbol;Acc:HGNC:21064]	chr14:1008	NM_00116	XM_01153	.	.	NP_00115	XP_00526	protein_co	ENSG0000	79446	21064
WDR26	14.8271	15.3889	18.291	14.4844	17.6147	20.8205	WD repeat domain 26 [Source:HGNC Symbol;Acc:HGNC:21208]	chr1:22457	NM_00111	XM_01154	.	.	NP_00110	XP_00527	protein_co	ENSG0000	80232	21208
WDR27	2.11591	1.65886	3.19521	1.41254	1.33995	1.83373	WD repeat domain 27 [Source:HGNC Symbol;Acc:HGNC:21248]	chr6:16985	NM_00120	XM_01153	.	.	NP_00118	XP_01153	protein_co	ENSG0000	253769	21248
WDR3	27.3833	28.6247	27.5221	32.2093	31.1911	21.8548	WD repeat domain 3 [Source:HGNC Symbol;Acc:HGNC:12755]	chr1:11847	NM_00678	.	.	.	NP_00677	.	protein_co	ENSG0000	10885	12755
WDR31	2.00846	2.25596	2.39814	1.78309	1.90109	3.06658	WD repeat domain 31 [Source:HGNC Symbol;Acc:HGNC:21421]	chr9:11607	NM_00100	XM_01151	.	.	NP_00100	XP_01151	protein_co	ENSG0000	114987	21421
WDR33	14.7858	15.1681	15.2163	14.4912	16.7139	15.0309	WD repeat domain 33 [Source:HGNC Symbol;Acc:HGNC:25651]	chr2:12845	NM_00100	XM_01151	.	.	NP_00100	XP_00526	protein_co	ENSG0000	55339	25651
WDR34	87.9738	88.0394	74.0237	115.278	90.6575	78.1313	WD repeat domain 34 [Source:HGNC Symbol;Acc:HGNC:28296]	chr9:13131	NM_05284	XM_01151	.	.	NP_44307	XP_01151	protein_co	ENSG0000	89891	28296
WDR35	4.61172	4.72512	4.86168	3.34184	4.55009	4.56715	WD repeat domain 35 [Source:HGNC Symbol;Acc:HGNC:29250]	chr2:20110	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	57539	29250
WDR36	21.5623	19.9324	21.537	18.7685	24.0117	19.3509	WD repeat domain 36 [Source:HGNC Symbol;Acc:HGNC:30696]	chr5:11042	NM_13928	XM_01154	.	.	NP_64481	.	protein_co	ENSG0000	134430	30696
WDR37	5.52899	4.93422	5.48641	4.35252	4.69482	4.65081	WD repeat domain 37 [Source:HGNC Symbol;Acc:HGNC:31406]	chr10:1095	NM_01402	.	.	.	NP_05474	.	protein_co	ENSG0000	22884	31406
WDR38	0	0	0	0	0	0	WD repeat domain 38 [Source:HGNC Symbol;Acc:HGNC:23745]	chr9:12761	NM_00104	XM_01151	.	.	NP_00103	XP_00525	protein_co	ENSG0000	401551	23745
WDR4	11.5537	11.714	10.7867	9.3234	10.228	7.54159	WD repeat domain 4 [Source:HGNC Symbol;Acc:HGNC:12756]	chr21:4426	NM_00126	XM_01152	.	.	NP_00124	XP_01152	protein_co	ENSG0000	10785	12756
WDR41	15.5793	14.8541	15.229	14.2154	17.6042	21.4476	WD repeat domain 41 [Source:HGNC Symbol;Acc:HGNC:25601]	chr5:76726	NM_01826	XM_01154	.	.	NP_06073	XP_00524	protein_co	ENSG0000	55255	25601
WDR43	51.3964	49.4762	46.5792	57.1241	57.9262	50.6577	WD repeat domain 43 [Source:HGNC Symbol;Acc:HGNC:28945]	chr2:29117	NM_01513	.	.	.	NP_05594	.	protein_co	ENSG0000	23160	28945
WDR44	7.55988	7.10277	6.97695	6.80943	6.75621	8.10434	WD repeat domain 44 [Source:HGNC Symbol;Acc:HGNC:30512]	chrX:11748	NM_00118	XM_01153	.	.	NP_00117	XP_01152	protein_co	ENSG0000	54521	30512
WDR45	17.8084	16.8045	17.1407	11.5756	9.70422	13.0731	WD repeat domain 45 [Source:HGNC Symbol;Acc:HGNC:28912]	chrX:48928	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	11152	28912
WDR45B	78.2926	81.6561	75.7644	92.633	83.9019	78.8649	WD repeat domain 45B [Source:HGNC Symbol;Acc:HGNC:25072]	chr17:8057	NM_01961	XM_00525	.	.	NP_06255	XP_00525	protein_co	ENSG0000	56270	25072
WDR46	44.2323	42.2629	35.6594	49.7466	41.1925	29.9973	WD repeat domain 46 [Source:HGNC Symbol;Acc:HGNC:13923]	chr6:33246	NM_00116	.	NR_10693	.	NP_00115	.	protein_co	ENSG0000	102466754	13923
WDR47	4.66726	4.90219	4.66195	4.90753	5.53591	5.43431	WD repeat domain 47 [Source:HGNC Symbol;Acc:HGNC:29141]	chr1:10951	NM_00114	XM_01700	.	.	NP_00113	XP_00671	protein_co	ENSG0000	22911	29141
WDR48	14.0178	13.8453	14.889	11.7549	13.0664	14.7451	WD repeat domain 48 [Source:HGNC Symbol;Acc:HGNC:30914]	chr3:39093	NM_00130	XM_01153	.	.	NP_00129	XP_00526	protein_co	ENSG0000	57599	30914
WDR49	0.054545	0.068297	0	0	0	0	WD repeat domain 49 [Source:HGNC Symbol;Acc:HGNC:26587]	chr3:16715	NM_17882	.	.	.	NP_84914	.	protein_co	ENSG0000	151790	26587
WDR5	39.349	41.7835	36.5208	50.4442	44.0634	31.4961	WD repeat domain 5 [Source:HGNC Symbol;Acc:HGNC:12757]	chr9:13700	NM_01758	XM_00527	.	.	NP_06005	XP_00527	protein_co	ENSG0000	11091	12757
WDR53	8.50575	9.68419	7.07388	9.16618	9.25328	6.86841	WD repeat domain 53 [Source:HGNC Symbol;Acc:HGNC:28786]	chr3:19628	NM_18262	XM_01151	.	.	NP_87243	XP_00526	protein_co	ENSG0000	348793	28786
WDR54	27.9407	28.9918	27.6069	35.4753	28.5084	25.5874	WD repeat domain 54 [Source:HGNC Symbol;Acc:HGNC:25770]	chr2:74648	NM_00132	XM_00671	.	.	NP_00130	XP_00526	protein_co	ENSG0000	84058	25770
WDR55	16.471	16.6824	16.9281	17.9071	17.1348	12.8825	WD repeat domain 55 [Source:HGNC Symbol;Acc:HGNC:25971]	chr5:14004	NM_01770	XM_00526	.	.	NP_06017	XP_00526	protein_co	ENSG0000	54853	25971
WDR59	10.0981	10.2697	11.2778	10.4002	9.25401	10.9244	WD repeat domain 59 [Source:HGNC Symbol;Acc:HGNC:25706]	chr16:7490	NM_00132	XM_01152	.	.	NP_00131	XP_00525	protein_co	ENSG0000	79726	25706
WDR5B	3.45966	2.79184	3.18041	2.17909	2.18377	2.93904	WD repeat domain 5B [Source:HGNC Symbol;Acc:HGNC:17826]	chr3:12210	NM_01906	.	.	.	NP_06194	.	protein_co	ENSG0000	54554	17826
WDR6	64.2656	66.5979	60.9279	64.9017	58.5421	50.6302	WD repeat domain 6 [Source:HGNC Symbol;Acc:HGNC:12758]	chr3:49027	NM_00132	XM_01153	.	.	NP_00130	XP_00526	protein_co	ENSG0000	11180	12758
WDR60	2.89384	3.01017	3.43236	2.33124	2.184	2.55778	WD repeat domain 60 [Source:HGNC Symbol;Acc:HGNC:21862]	chr7:15864	NM_01805	XM_01701	.	.	NP_06052	XP_00524	protein_co	ENSG0000	55112	21862
WDR61	53.5214	52.3136	53.3005	67.3199	59.211	49.0912	WD repeat domain 61 [Source:HGNC Symbol;Acc:HGNC:30300]	chr15:7857	NM_00130	XM_01152	.	.	NP_00129	XP_01152	protein_co	ENSG0000	80349	30300
WDR62	4.50214	4.50947	4.52868	7.46924	6.52751	4.6455	WD repeat domain 62 [Source:HGNC Symbol;Acc:HGNC:24502]	chr19:3654	NM_00108	XM_01702	.	.	NP_00107	XP_00525	protein_co	ENSG0000	284403	24502
WDR63	0.499698	0.535363	1.25123	0.545238	0.786683	0.817179	WD repeat domain 63 [Source:HGNC Symbol;Acc:HGNC:30711]	chr1:85464	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	126820	30711
WDR64	0	0	0	0	0	0	WD repeat domain 64 [Source:HGNC Symbol;Acc:HGNC:26570]	chr1:24181	NM_14462	XM_01154	.	.	NP_65322	XP_00671	protein_co	ENSG0000	128025	26570
WDR66	0.557297	0.567658	0.619624	0.586508	0.63823	0.982519	WD repeat domain 66 [Source:HGNC Symbol;Acc:HGNC:28506]	chr12:1223	NM_00117	.	.	.	NP_00117	.	protein_co	ENSG0000	144406	28506
WDR7	2.77572	3.55723	3.10833	2.23533	3.60342	2.60145	WD repeat domain 7 [Source:HGNC Symbol;Acc:HGNC:13490]	chr18:5431	NM_01528	XM_01702	.	.	NP_05610	XP_00672	protein_co	ENSG0000	23335	13490
WDR70	10.7646	9.57851	11.5009	11.6698	10.1665	10.0395	WD repeat domain 70 [Source:HGNC Symbol;Acc:HGNC:25495]	chr5:37379	NM_01803	XM_00524	.	.	NP_06050	XP_00524	protein_co	ENSG0000	55100	25495
WDR72	4.97248	4.98594	3.76169	4.5513	4.6102	5.12935	WD repeat domain 72 [Source:HGNC Symbol;Acc:HGNC:26790]	chr15:5380	NM_00127	XM_01152	NR_10233	.	NP_00126	XP_01151	protein_co	ENSG0000	256764	26790
WDR73	7.11028	6.72774	6.85774	6.56836	6.48373	5.26663	WD repeat domain 73 [Source:HGNC Symbol;Acc:HGNC:25928]	chr15:8518	NM_03285	.	.	.	NP_11624	.	protein_co	ENSG0000	84942	25928
WDR74	65.6295	64.0814	51.9398	85.4499	65.5586	45.3905	WD repeat domain 74 [Source:HGNC Symbol;Acc:HGNC:25529]	chr11:6260	NM_00130	XM_01154	.	.	NP_00129	XP_00527	protein_co	ENSG0000	54663	25529
WDR75	43.9963	42.0351	45.4299	48.5142	55.5873	46.7173	WD repeat domain 75 [Source:HGNC Symbol;Acc:HGNC:25725]	chr2:19030	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	84128	25725
WDR76	19.1433	16.9392	13.9711	19.8205	21.1241	19.3415	WD repeat domain 76 [Source:HGNC Symbol;Acc:HGNC:25773]	chr15:4411	NM_00116	XM_00525	.	.	NP_00116	XP_00525	protein_co	ENSG0000	79968	25773
WDR77	34.1982	37.3636	33.7275	46.7062	41.6674	23.7881	WD repeat domain 77 [Source:HGNC Symbol;Acc:HGNC:29652]	chr1:11198	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	79084	29652
WDR78	1.12932	1.15883	1.02547	1.12134	1.31774	1.42223	WD repeat domain 78 [Source:HGNC Symbol;Acc:HGNC:26252]	chr1:67278	NM_02476	XM_01154	.	.	NP_07903	XP_00527	protein_co	ENSG0000	79819	26252
WDR81	7.34908	7.28532	6.85236	6.14327	5.41579	4.14228	WD repeat domain 81 [Source:HGNC Symbol;Acc:HGNC:26600]	chr17:1619	NM_00116	XM_01152	.	.	NP_00115	XP_01152	protein_co	ENSG0000	124997	26600
WDR82	65.1823	67.5234	62.5861	69.6358	75.9826	67.1819	WD repeat domain 82 [Source:HGNC Symbol;Acc:HGNC:28826]	chr3:52288	NM_02522	.	.	.	NP_07949	.	protein_co	ENSG0000	80335	28826
WDR83	8.61487	11.3596	8.73857	9.27927	7.43608	5.16276	WD repeat domain 83 [Source:HGNC Symbol;Acc:HGNC:32672]	chr19:1275	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	84292	32672
WDR83OS	130.404	114.339	99.0212	112.683	95.2823	97.8057	WD repeat domain 83 opposite strand [Source:HGNC Symbol;Acc	chr19:1275	NM_01614	.	.	.	NP_05722	XP_01688	protein_co	ENSG0000	51398	30203
WDR86	0	0	0	0	0	0	WD repeat domain 86 [Source:HGNC Symbol;Acc:HGNC:28020]	chr7:15107	NM_00128	XM_01151	.	.	NP_00127	XP_00525	protein_co	ENSG0000	349136	28020
WDR87	0	0.011112	0.014205	0.005952	0	0.005478	WD repeat domain 87 [Source:HGNC Symbol;Acc:HGNC:29934]	chr19:3837	NM_00129	XM_01152	.	.	NP_00127	XP_01152	protein_co	ENSG0000	83889	29934
WDR88	0	0.044059	0	0	0	0	WD repeat domain 88 [Source:HGNC Symbol;Acc:HGNC:26999]	chr19:3362	NM_17347	XM_01152	.	.	NP_77575	XP_01152	protein_co	ENSG0000	126248	26999

WDR89	13.8575	13.434	15.7867	14.5069	17.933	16.028	WD repeat domain 89 [Source:HGNC Symbol;Acc:HGNC:20489]	chr14:6406	NM_00100	XM_01153	.	.	NP_00100	XP_011534	protein_co	ENSG0000	112840	20489
WDR90	11.2257	8.35617	8.00594	9.77953	8.82375	6.26803	WD repeat domain 90 [Source:HGNC Symbol;Acc:HGNC:26960]	chr16:699	NM_14529	XM_01152	.	.	NP_66033	.	protein_co	ENSG0000	197335	26960
WDR91	2.99473	2.75373	3.52482	2.9336	2.5075	2.58991	WD repeat domain 91 [Source:HGNC Symbol;Acc:HGNC:24997]	chr7:13486	NM_01414	XM_01151	.	.	NP_05486	XP_011514	protein_co	ENSG0000	29062	24997
WDR92	7.32637	7.80882	7.60895	5.89938	6.91089	5.61742	WD repeat domain 92 [Source:HGNC Symbol;Acc:HGNC:25176]	chr2:68356	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	116143	25176
WDR93	0.149153	0.1542	0.25262	0.17138	0.229266	0.22674	WD repeat domain 93 [Source:HGNC Symbol;Acc:HGNC:26924]	chr15:9023	NM_00128	XM_01152	.	.	NP_00127	XP_006720	protein_co	ENSG0000	56964	26924
WDR97	0.052174	0.051226	0.111697	0.01396	0.015183	0.115559	WD repeat domain 97 [Source:HGNC Symbol;Acc:HGNC:26959]	chr8:14516	.	.	.	.	NP_00130	XP_016868	protein_co	ENSG0000	340390	26959
WDSUB1	6.2447	5.22187	4.88971	4.09104	5.00968	7.34735	WD repeat, sterile alpha motif and U-box domain containing 1 [So	chr2:16009	NM_00112	XM_01151	.	.	NP_00112	XP_005246	protein_co	ENSG0000	151525	26697
WDTC1	9.97241	10.1446	13.9703	8.91377	8.53292	10.8694	WD and tetratricopeptide repeats 1 [Source:HGNC Symbol;Acc:H	chr1:27561	NM_00127	XM_01154	.	.	NP_00126	XP_011539	protein_co	ENSG0000	23038	29175
WDYHV1	16.4322	18.2055	21.3384	19.7955	19.7803	26.4571	WDYHV motif containing 1 [Source:HGNC Symbol;Acc:HGNC:2549	chr8:12442	NM_00128	XM_01151	NR_13392	.	NP_00126	XP_006716	protein_co	ENSG0000	55093	25490
WEE1	30.7474	31.4306	29.7549	32.3384	36.1058	34.0029	WEE1 G2 checkpoint kinase [Source:HGNC Symbol;Acc:HGNC:127	chr11:9595	NM_00114	XM_00525	.	.	NP_00113	.	protein_co	ENSG0000	7465	12761
WEE2	0	0	0	0	0.026864	0	WEE1 homolog 2 (S. pombe) [Source:HGNC Symbol;Acc:HGNC:19	chr7:14140	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	494551	19684
WFDC1	0.13641	0.068048	0.45078	0.147429	0.157156	0.147161	WAP four-disulfide core domain 1 [Source:HGNC Symbol;Acc:HG	chr16:8432	NM_00128	XM_00525	.	.	NP_00126	XP_005256	protein_co	ENSG0000	58189	15466
WFDC10A	0.119307	0	0.208217	0	0	0	WAP four-disulfide core domain 10A [Source:HGNC Symbol;Acc:H	chr20:4423	NM_08075	.	.	.	NP_54279	XP_016883	protein_co	ENSG0000	140832	16139
WFDC10B	0.438195	0.150419	0	0	0	0.225267	WAP four-disulfide core domain 10B [Source:HGNC Symbol;Acc:H	chr20:4431	NM_17200	.	.	.	NP_74200	XP_016883	protein_co	ENSG0000	280664	20479
WFDC11	0	0	0	0	0	0	WAP four-disulfide core domain 11 [Source:HGNC Symbol;Acc:HG	chr20:4427	NM_14719	.	.	.	NP_67173	.	protein_co	ENSG0000	259239	20478
WFDC12	0	0	0	0	0	0	WAP four-disulfide core domain 12 [Source:HGNC Symbol;Acc:HG	chr20:4375	NM_08086	.	.	.	NP_54314	.	protein_co	ENSG0000	128488	16115
WFDC13	0	0	0	0	0	0.056615	WAP four-disulfide core domain 13 [Source:HGNC Symbol;Acc:HG	chr20:4431	NM_17200	.	.	.	NP_74200	.	protein_co	ENSG0000	164237	16131
WFDC2	0	0	0.958076	0	0	0	WAP four-disulfide core domain 2 [Source:HGNC Symbol;Acc:HGI	chr20:4409	NM_00610	XM_01152	.	.	NP_00609	XP_011526	protein_co	ENSG0000	10406	15939
WFDC3	2.70472	2.08259	1.71504	1.13287	2.06525	1.38494	WAP four-disulfide core domain 3 [Source:HGNC Symbol;Acc:HGI	chr20:4440	NM_08061	XM_01152	.	.	NP_54218	XP_011526	protein_co	ENSG0000	140686	15957
WFDC5	0	0	0	0	0	0	WAP four-disulfide core domain 5 [Source:HGNC Symbol;Acc:HGI	chr20:4373	NM_14565	XM_01152	.	.	NP_66362	XP_011526	protein_co	ENSG0000	149708	20477
WFDC6	0	0	0	0	0	0	WAP four-disulfide core domain 6 [Source:HGNC Symbol;Acc:HGI	chr20:4416	NM_08082	.	.	.	NP_54301	.	protein_co	ENSG0000	140870	16164
WFDC8	0	0	0	0.068007	0	0	WAP four-disulfide core domain 8 [Source:HGNC Symbol;Acc:HGI	chr20:4417	NM_13089	XM_00526	.	.	NP_57096	XP_005260	protein_co	ENSG0000	90199	16163
WFDC9	0	0	0	0	0	0	WAP four-disulfide core domain 9 [Source:HGNC Symbol;Acc:HGI	chr20:4423	NM_14719	.	.	.	NP_67173	.	protein_co	ENSG0000	259240	20380
WFIKKN1	0.057872	0	0	0.120768	0	0.067176	WAP, follistatin/kazal, immunoglobulin, kunitz and netrin domain	chr16:6809	NM_05328	.	.	.	NP_44451	.	protein_co	ENSG0000	117166	30912
WFIKKN2	0	0	0	0	0	0	WAP, follistatin/kazal, immunoglobulin, kunitz and netrin domain	chr17:4891	NM_17557	.	.	.	NP_78316	XP_016879	protein_co	ENSG0000	124857	30916
WFS1	14.1296	13.4545	13.376	14.8434	12.3953	11.5683	wolframin ER transmembrane glycoprotein [Source:HGNC Symbo	chr4:62715	NM_00114	XM_01700	.	.	NP_00113	XP_016864	protein_co	ENSG0000	7466	12762
WHAMM	3.75697	3.7613	2.92306	3.73496	3.44579	3.45777	WAS protein homolog associated with actin, golgi membranes an	chr15:8347	NM_00108	XM_00527	.	.	NP_00107	XP_005272	protein_co	ENSG0000	123720	30493
WHRN	4.74437	5.49465	5.58113	5.00805	5.15384	4.69979	whirlin [Source:HGNC Symbol;Acc:HGNC:16361]	chr9:11716	NM_00108	XM_01151	.	.	NP_00107	XP_011516	protein_co	ENSG0000	25861	16361
WHSC1	35.6173	37.7379	33.8971	34.6346	35.7326	35.1927	Wolf-Hirschhorn syndrome candidate 1 [Source:HGNC Symbol;Ac	chr4:18731	NM_00104	XM_01151	.	.	NP_00103	XP_005248	protein_co	ENSG0000	7468	12766
WHSC1L1	13.0227	13.303	12.0029	12.6591	15.0976	15.0522	Wolf-Hirschhorn syndrome candidate 1-like 1 [Source:HGNC Sym	chr8:38127	NM_01777	XM_01154	.	.	NP_06024	XP_005273	protein_co	ENSG0000	54904	12767
WI2-3308P17.2	0	0	0	0	0	0	PRAME family member 11 [Source:HGNC Symbol;Acc:HGNC:1408	chr1:13052	NM_00114	XM_01154	.	.	NP_00113	XP_011539	protein_co	ENSG0000	440560	14086
WIF1	0	0	0	0	0	0	WNT inhibitory factor 1 [Source:HGNC Symbol;Acc:HGNC:18081]	chr12:6544	NM_00719	.	.	.	NP_00912	.	protein_co	ENSG0000	11197	18081
WIPF1	0	0	0	0	0	0	WAS/WASL interacting protein family member 1 [Source:HGNC S	chr2:17542	NM_00107	XM_01151	.	.	NP_00107	XP_011510	protein_co	ENSG0000	7456	12736
WIPF2	10.244	12.3957	11.9557	9.86859	10.8735	11.9255	WAS/WASL interacting protein family member 2 [Source:HGNC S	chr17:3837	NM_13326	XM_01152	.	.	NP_57357	XP_005257	protein_co	ENSG0000	147179	30923
WIPF3	5.44421	5.32144	6.48044	3.71545	3.91938	3.8772	WAS/WASL interacting protein family member 3 [Source:HGNC S	chr7:29846	NM_00108	XM_01701	.	.	NP_00107	XP_016868	protein_co	ENSG0000	644150	22004
WIPI1	12.7004	12.545	13.8877	10.7108	7.80738	12.5945	WD repeat domain, phosphoinositide interacting 1 [Source:HGNC	chr17:6625	NM_01798	XM_00525	.	.	NP_00130	XP_005257	protein_co	ENSG0000	55062	25471
WIPI2	35.7275	40.0382	36.6747	33.2747	29.5979	31.0489	WD repeat domain, phosphoinositide interacting 2 [Source:HGNC	chr7:52298	NM_00103	XM_00671	.	.	NP_00102	XP_006715	protein_co	ENSG0000	26100	32225
WISP1	0	0.201074	0.164608	0.097167	0.121871	0.197978	WNT1 inducible signaling pathway protein 1 [Source:HGNC Symb	chr8:13420	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	8840	12769
WISP2	0	0	0	0	0	0	WNT1 inducible signaling pathway protein 2 [Source:HGNC Symb	chr20:4334	NM_00132	XM_00526	.	.	NP_00131	XP_005260	protein_co	ENSG0000	8839	12770
WISP3	0	0	0	0	0	0	WNT1 inducible signaling pathway protein 3 [Source:HGNC Symb	chr6:11237	NM_00388	XM_01153	.	.	NP_00387	XP_011534	protein_co	ENSG0000	8838	12771
WIZ	16.1795	17.9006	14.8945	16.5726	14.7999	12.8832	widely interspaced zinc finger motifs [Source:HGNC Symbol;Acc:H	chr19:1553	NM_02124	XM_01152	.	.	NP_06706	XP_005260	protein_co	ENSG0000	58525	30917
WLS	22.4362	22.0981	21.201	58.3999	60.0907	56.6969	wntless Wnt ligand secretion mediator [Source:HGNC Symbol;Acc	chr1:68564	NM_00100	XM_01154	.	.	NP_00100	XP_011540	protein_co	ENSG0000	79971	30238
WNK1	14.8116	14.7055	13.8574	16.3837	17.9092	18.2035	WNK lysine deficient protein kinase 1 [Source:HGNC Symbol;Acc:	chr12:8617	NM_00118	XM_01701	.	.	NP_00117	XP_006719	protein_co	ENSG0000	65125	14540
WNK2	2.28796	2.23677	2.88089	3.48917	3.82386	2.74318	WNK lysine deficient protein kinase 2 [Source:HGNC Symbol;Acc:	chr9:95947	NM_00128	XM_01151	.	.	NP_00126	XP_005252	protein_co	ENSG0000	65268	14542
WNK3	0.033717	0	0.009865	0	0.01491	0.019779	WNK lysine deficient protein kinase 3 [Source:HGNC Symbol;Acc:	chrX:54219	NM_00100	XM_01702	.	.	NP_00100	XP_006724	protein_co	ENSG0000	65267	14543
WNK4	1.04702	0.61102	0.56849	1.51941	1.25632	1.13564	WNK lysine deficient protein kinase 4 [Source:HGNC Symbol;Acc:	chr17:4093	NM_00132	XM_01152	.	.	NP_00130	XP_011523	protein_co	ENSG0000	65266	14544
WNT1	0	0.101555	0	0	0	0	Wnt family member 1 [Source:HGNC Symbol;Acc:HGNC:12774]	chr12:4937	NM_00543	.	.	.	NP_00542	.	protein_co	ENSG0000	7471	12774
WNT10A	1.14361	1.27414	0.754704	0.72265	0.347255	0.902567	Wnt family member 10A [Source:HGNC Symbol;Acc:HGNC:13829	chr2:21974	NM_02521	.	.	.	NP_07949	XP_011510	protein_co	ENSG0000	80326	13829
WNT10B	8.13	8.7566	8.04479	5.98696	5.63879	4.53366	Wnt family member 10B [Source:HGNC Symbol;Acc:HGNC:12775	chr12:4935	NM_00339	XM_01153	.	.	NP_00338	XP_011537	protein_co	ENSG0000	7480	12775
WNT11	1.27173	1.24846	1.71643	1.73319	1.08569	1.61827	Wnt family member 11 [Source:HGNC Symbol;Acc:HGNC:12776]	chr11:7589	NM_00462	XM_01154	.	.	NP_00461	XP_005274	protein_co	ENSG0000	7481	12776
WNT16	28.8155	33.2107	48.7729	49.1022	47.2918	54.7129	Wnt family member 16 [Source:HGNC Symbol;Acc:HGNC:16267]	chr7:12096	NM_01608	.	.	.	NP_05717	.	protein_co	ENSG0000	51384	16267
WNT2	0	0.054451	0.068411	0	0.05974	0	Wnt family member 2 [Source:HGNC Symbol;Acc:HGNC:12780]	chr7:11691	NM_00339	.	.	.	NP_00338	.	protein_co	ENSG0000	7472	12780
WNT2B	0.872984	0.858291	1.23458	0.848535	0.849234	1.00479	Wnt family member 2B [Source:HGNC Symbol;Acc:HGNC:12781]	chr1:11300	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	7482	12781
WNT3	2.92812	2.6186	2.81678	2.24128	2.27158	2.39226	Wnt family member 3 [Source:HGNC Symbol;Acc:HGNC:12782]	chr17:4483	NM_03075	.	.	XR_247456	NP_11038	.	protein_co	ENSG0000	101929777	12782
WNT3A	4.06645	3.87315	3.13637	6.52988	5.56205	3.78443	Wnt family member 3A [Source:HGNC Symbol;Acc:HGNC:15983]	chr1:22819	NM_03313	.	.	.	NP_14912	.	protein_co	ENSG0000	89780	15983
WNT4	0.105461	0.265153	0.333656	0.284996	0.263125	0.493391	Wnt family member 4 [Source:HGNC Symbol;Acc:HGNC:12783]	chr1:22443	NM_03076	XM_01154	.	.	NP_11038	XP_011539	protein_co	ENSG0000	54361	12783
WNT5A	0.0165	0	0.068462	0	0	0.016134	Wnt family member 5A [Source:HGNC Symbol;Acc:HGNC:12784]	chr3:55499	NM_00125	XM_01153	.	.	NP_00124	XP_006713	protein_co	ENSG0000	7474	12784
WNT5B	0.416303	0.415235	0.563218	0.883877	0.305086	0.324848	Wnt family member 5B [Source:HGNC Symbol;Acc:HGNC:16265]	chr12:1675	NM_03077	XM_01152	.	.	NP_11040	XP_011519	protein_co	ENSG0000	81029	16265
WNT6	1.71004	1.58952	2.93472	1.7861	2.05849	2.1102	Wnt family member 6 [Source:HGNC Symbol;Acc:HGNC:12785]	chr2:21972	NM_00652	.	.	.	NP_00651	.	protein_co	ENSG0000	7475	12785

WNT7A	0.351634	0.355258	0.285649	0.191809	0.134846	0.103222	Wnt family member 7A [Source:HGNC Symbol;Acc:HGNC:12786]	chr3:13857	NM_00462	.	.	.	NP_00461(	.	protein_co	ENSG0000(	7476	12786
WNT7B	4.42262	4.00358	5.45623	4.37822	4.77566	3.11891	Wnt family member 7B [Source:HGNC Symbol;Acc:HGNC:12787]	chr22:4631	NM_05823	XM_01153	.	.	NP_47867	XP_011528	protein_co	ENSG0000(	7477	12787
WNT8A	0	0	0	0	0	0	Wnt family member 8A [Source:HGNC Symbol;Acc:HGNC:12788]	chr5:13741	NM_00130	XM_01154	.	.	NP_00128	XP_011541	protein_co	ENSG0000(	7478	12788
WNT8B	0	0	0	0	0	0	Wnt family member 8B [Source:HGNC Symbol;Acc:HGNC:12789]	chr10:1022	NM_00339	.	.	.	NP_00338	.	protein_co	ENSG0000(	7479	12789
WNT9A	3.60647	3.79827	3.8846	2.38825	2.13781	2.07651	Wnt family member 9A [Source:HGNC Symbol;Acc:HGNC:12778]	chr1:22810	NM_00339	.	.	.	NP_00338(	.	protein_co	ENSG0000(	7483	12778
WNT9B	0	0	0	0	0	0	Wnt family member 9B [Source:HGNC Symbol;Acc:HGNC:12779]	chr17:4492	NM_00132	XM_00525	.	.	NP_00130	XP_005257	protein_co	ENSG0000(	7484	12779
WRAP53	25.415	24.9432	19.9002	33.3138	27.0344	18.5415	WD repeat containing antisense to TP53 [Source:HGNC Symbol;A	chr17:7565	NM_00114	XM_01152	.	.	NP_00113	XP_011522	protein_co	ENSG0000(	55135	25522
WRAP73	37.9151	35.734	40.0908	43.9804	39.3146	31.2422	WD repeat containing, antisense to TP73 [Source:HGNC Symbol;A	chr1:35473	NM_01781	XM_01700	.	.	NP_06028	XP_005244	protein_co	ENSG0000(	49856	12759
WRB	14.5986	19.0694	19.0211	18.5217	16.3381	18.1088	tryptophan rich basic protein [Source:HGNC Symbol;Acc:HGNC:1	chr21:4075	NM_00114	XM_01152	.	.	NP_00113	XP_005261	protein_co	ENSG0000(	7485	12790
WRN	8.2265	7.68345	9.18773	5.34473	6.96233	7.84504	Werner syndrome RecQ like helicase [Source:HGNC Symbol;Acc:H	chr8:30891	NM_00055	XM_01154	.	.	NP_00054	XP_011542	protein_co	ENSG0000(	7486	12791
WRNIP1	67.4454	70.5246	63.2673	86.461	75.7808	65.904	Werner helicase interacting protein 1 [Source:HGNC Symbol;Acc:	chr6:27656	NM_02013	.	.	.	NP_06452(	.	protein_co	ENSG0000(	56897	20876
WSB1	41.9198	41.7764	49.2122	35.4944	40.2474	37.4102	WD repeat and SOCS box containing 1 [Source:HGNC Symbol;Acc	chr17:2562	NM_01562	XM_01152	.	XR_001752	NP_05644	XP_005258	protein_co	ENSG0000(	26118	19221
WSB2	29.1362	30.9852	41.0206	39.0154	38.474	49.323	WD repeat and SOCS box containing 2 [Source:HGNC Symbol;Acc	chr12:1184	NM_00127	XM_01701	.	.	NP_00126	XP_016875	protein_co	ENSG0000(	55884	19222
WSCD1	0	0	0	0	0	0	WSC domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2906	chr17:5972	NM_01525	XM_01152	NR_04000(	.	NP_05606	XP_005256	protein_co	ENSG0000(	339166	29060
WSCD2	0	0	0	0	0.024019	0.044603	WSC domain containing 2 [Source:HGNC Symbol;Acc:HGNC:2911	chr12:1085	NM_00130	XM_01153	.	.	NP_00129	XP_011537	protein_co	ENSG0000(	9671	29117
WT1	0	0	0	0	0	0	Wilms tumor 1 [Source:HGNC Symbol;Acc:HGNC:12796]	chr11:3240	NM_00037	.	.	.	NP_00036	.	protein_co	ENSG0000(	7490	12796
WTAP	40.7543	42.0994	38.7804	42.3075	47.7954	42.3252	Wilms tumor 1 associated protein [Source:HGNC Symbol;Acc:HG	chr6:16009	NM_00127	.	.	.	NP_00125	XP_016867	protein_co	ENSG0000(	9589	16846
WTH3DI	1.08958	0.993827	0.969541	0.515033	1.27334	1.10148	RAB6C-like [Source:EntrezGene;Acc:150786]	chr2:13211	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000(	150786	.
WTIP	0.656735	0.570284	0.702455	0.929519	0.726869	0.70958	Wilms tumor 1 interacting protein [Source:HGNC Symbol;Acc:HG	chr19:3497	NM_00108	XM_01152	.	.	NP_00107	XP_006723	protein_co	ENSG0000(	126374	20964
WWC1	16.643	17.6291	18.3803	17.4319	16.8032	14.0853	WW and C2 domain containing 1 [Source:HGNC Symbol;Acc:HGN	chr5:16771	NM_00116	XM_01153	.	.	NP_00115	XP_005265	protein_co	ENSG0000(	23286	29435
WWC2	6.33647	8.662	8.22867	11.3038	11.0252	13.3708	WW and C2 domain containing 2 [Source:HGNC Symbol;Acc:HGN	chr4:18402	NM_02494	XM_01153	.	.	NP_07922	XP_01153(	protein_co	ENSG0000(	80014	24148
WWC3	2.08875	2.21974	1.8833	1.33936	1.4879	2.05565	WWC family member 3 [Source:HGNC Symbol;Acc:HGNC:29237]	chrX:99836	NM_01569	.	.	.	NP_05650(	.	protein_co	ENSG0000(	55841	29237
WWOX	9.10521	8.8253	5.73471	8.27907	6.3597	4.97709	WW domain containing oxidoreductase [Source:HGNC Symbol;Ac	chr16:7813	NM_00129	XM_01152	.	.	NP_00127	XP_011521	protein_co	ENSG0000(	51741	12799
WWP1	17.4564	15.0881	19.4767	16.5439	20.9492	22.2917	WW domain containing E3 ubiquitin protein ligase 1 [Source:HGN	chr8:87354	NM_00701	XM_01151	.	.	NP_00894	XP_00525(	protein_co	ENSG0000(	11059	17004
WWP2	10.9636	11.5572	9.43384	6.24626	5.33095	5.80883	WW domain containing E3 ubiquitin protein ligase 2 [Source:HGN	chr16:6979	NM_00127	XM_01702	.	.	NP_00125	XP_011521	protein_co	ENSG0000(	11060	16804
WWTR1	17.3936	18.0237	22.5196	15.0299	15.3064	19.0357	WW domain containing transcription regulator 1 [Source:HGNC S	chr3:14923	NM_00116	XM_01700	.	.	NP_00116	XP_01151(	protein_co	ENSG0000(	25937	24042
XAB2	44.1636	46.9336	40.0938	54.8858	50.1202	36.9603	XPA binding protein 2 [Source:HGNC Symbol;Acc:HGNC:14089]	chr19:7684	NM_02019	.	.	.	NP_06458	.	protein_co	ENSG0000(	56949	14089
XAF1	0.10421	0.144564	0	0	0	0	XIAP associated factor 1 [Source:HGNC Symbol;Acc:HGNC:30932]	chr17:6659	NM_01752	.	.	.	NP_05999	.	protein_co	ENSG0000(	54739	30932
XAGE1A	0	0	0	0	0	0	X antigen family member 1A [Source:HGNC Symbol;Acc:HGNC:41	chrX:52255	NM_00109	XM_01702	NR_03325	.	NP_00109	XP_016885	protein_co	ENSG0000(	653220	4111
XAGE1B	0	0	0	0	0	0	X antigen family member 1B [Source:HGNC Symbol;Acc:HGNC:25	chrX:52235	NM_00109	XM_01702	NR_03325	.	NP_00109	XP_016885	protein_co	ENSG0000(	653220	25400
XAGE1C	0	0	0	0	0	0	X antigen family, member 1C [Source:HGNC Symbol;Acc:30679]	chrX:52511	NM_00109	XM_00526	NR_03325	.	NP_00109	XP_005278	protein_co	ENSG0000(	9503	30679
XAGE1D	0	0	0	0	0	0	X antigen family, member 1D [Source:HGNC Symbol;Acc:21508]	chrX:52528	NM_13343	XM_00526	NR_03325	.	NP_59767	XP_005278	protein_co	ENSG0000(	9503	21508
XAGE1E	0	0	0	0	0	0	X antigen family, member 1E [Source:HGNC Symbol;Acc:18372]	chrX:52541	NM_00109	XM_00526	NR_03325	.	NP_00109	XP_005278	protein_co	ENSG0000(	9503	18372
XAGE2	0	0	0.09959	0	0	0	X antigen family member 2 [Source:HGNC Symbol;Acc:HGNC:411	chrX:52112	NM_13077	XM_01153	.	.	NP_57013	XP_006724	protein_co	ENSG0000(	9502	4112
XAGE3	0	0	0	0	0	0	X antigen family member 3 [Source:HGNC Symbol;Acc:HGNC:146	chrX:52891	NM_13077	XM_01153	.	.	NP_57013	XP_011529	protein_co	ENSG0000(	170626	14618
XAGE5	0	0	0	0	0	0	X antigen family member 5 [Source:HGNC Symbol;Acc:HGNC:309	chrX:52841	NM_13077	XM_00526	.	.	NP_57013	XP_005262	protein_co	ENSG0000(	170627	30930
XBP1	58.2518	55.7537	42.1832	52.8216	49.9707	76	X-box binding protein 1 [Source:HGNC Symbol;Acc:HGNC:12801]	chr22:2919	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000(	7494	12801
XCL1	0	0	0	0	0	0	X-C motif chemokine ligand 1 [Source:HGNC Symbol;Acc:HGNC:1	chr1:16854	NM_00299	XM_01150	.	.	NP_00298	XP_011508	protein_co	ENSG0000(	6375	10645
XCL2	0	0	0	0	0	0	X-C motif chemokine ligand 2 [Source:HGNC Symbol;Acc:HGNC:1	chr1:16851	NM_00317	.	.	.	NP_00316	.	protein_co	ENSG0000(	6846	10646
XCR1	0	0	0	0.01765	0	0	X-C motif chemokine receptor 1 [Source:HGNC Symbol;Acc:HGNC	chr3:46058	NM_00102	XM_01700	.	.	NP_00101	XP_016861	protein_co	ENSG0000(	2829	1625
XDH	0.022847	0.058905	0.009914	0.075633	0.064878	0.023722	xanthine dehydrogenase [Source:HGNC Symbol;Acc:HGNC:12805	chr2:31557	NM_00037	XM_01153	.	.	NP_00037(	XP_011531	protein_co	ENSG0000(	7498	12805
XG	0	0	0	0	0	0.034459	Xg blood group [Source:HGNC Symbol;Acc:HGNC:12806]	chrX:26700	NM_00114	XM_01154	NR_00325	.	NP_00113	XP_005274	protein_co	ENSG0000(	100132596	12806
XIAP	8.57094	9.33531	7.94614	7.75747	9.30444	9.89524	X-linked inhibitor of apoptosis [Source:HGNC Symbol;Acc:HGNC:5	chrX:12299	NM_00116	XM_01153	.	.	NP_00115	XP_006724	protein_co	ENSG0000(	331	592
XIRP1	0.010136	0	0	0	0	0	xin actin binding repeat containing 1 [Source:HGNC Symbol;Acc:H	chr3:39224	NM_00119	XM_00526	.	.	NP_00118	XP_005264	protein_co	ENSG0000(	165904	14301
XIRP2	0	0	0	0	0	0	xin actin binding repeat containing 2 [Source:HGNC Symbol;Acc:H	chr2:16774	NM_00107	XM_01700	.	.	NP_00107	XP_016858	protein_co	ENSG0000(	129446	14303
XK	2.1002	2.35325	2.13915	3.17065	3.82726	3.93906	X-linked Kx blood group [Source:HGNC Symbol;Acc:HGNC:12811]	chrX:37208	NM_02108	.	.	.	NP_06656	.	protein_co	ENSG0000(	7504	12811
XKR3	0.052145	0.168372	0.180718	0	0.05761	0	XK related 3 [Source:HGNC Symbol;Acc:HGNC:28778]	chr22:1726	NM_00131	XM_01702	.	.	NP_00130	XP_011544	protein_co	ENSG0000(	150165	28778
XKR4	0	0	0	0	0	0	XK related 4 [Source:HGNC Symbol;Acc:HGNC:29394]	chr8:56014	NM_05289	.	.	.	NP_44313(	.	protein_co	ENSG0000(	114786	29394
XKR5	0	0	0	0	0	0	XK related 5 [Source:HGNC Symbol;Acc:HGNC:20782]	chr8:66660	NM_00128	.	.	.	NP_00127	XP_016868	protein_co	ENSG0000(	389610	20782
XKR6	0	0	0	0	0	0	XK related 6 [Source:HGNC Symbol;Acc:HGNC:27806]	chr8:10754	NM_17368	XM_01154	.	.	NP_77595	XP_011542	protein_co	ENSG0000(	286046	27806
XKR7	0	0	0	0	0	0	XK related 7 [Source:HGNC Symbol;Acc:HGNC:23062]	chr20:3055	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000(	343702	23062
XKR8	6.70098	8.70473	7.44349	7.37868	7.41702	6.62994	XK related 8 [Source:HGNC Symbol;Acc:HGNC:25508]	chr1:28285	NM_01805	.	.	.	NP_06052	.	protein_co	ENSG0000(	55113	25508
XKR9	0.102199	0	0	0	0.126653	0.031246	XK related 9 [Source:HGNC Symbol;Acc:HGNC:20937]	chr8:71581	NM_00101	XM_01151	.	.	NP_00101	XP_011515	protein_co	ENSG0000(	389668	20937
XKRX	0.242494	0.264913	0.49243	0.222136	0.621801	0.40787	XK related, X-linked [Source:HGNC Symbol;Acc:HGNC:29845]	chrX:10016	NM_21255	.	.	.	NP_99772	.	protein_co	ENSG0000(	402415	29845
XPA	5.9988	6.81585	6.07172	5.37307	6.23164	6.51369	XPA, DNA damage recognition and repair factor [Source:HGNC Sy	chr9:10043	NM_00038	.	.	.	NP_00037	XP_006717	protein_co	ENSG0000(	7507	12814
XPC	16.8761	17.6799	19.8146	15.4346	14.917	13.2688	XPC complex subunit, DNA damage recognition and repair factor	chr3:14186	NM_00462	XM_01153	.	.	NP_00461	.	protein_co	ENSG0000(	7508	12816
XPNPEP1	33.2309	32.6163	39.0137	38.9694	34.7725	38.5736	X-prolyl aminopeptidase 1 [Source:HGNC Symbol;Acc:HGNC:1282	chr10:1116	NM_00116	XM_01701	.	.	NP_00116	XP_011538	protein_co	ENSG0000(	7511	12822
XPNPEP2	0	0	0	0	0	0	X-prolyl aminopeptidase 2 [Source:HGNC Symbol;Acc:HGNC:1282	chrX:12887	NM_00339	.	.	.	NP_00339(	.	protein_co	ENSG0000(	7512	12823
XPNPEP3	8.25176	6.68853	7.40618	10.6077	9.06476	6.74582	X-prolyl aminopeptidase 3 [Source:HGNC Symbol;Acc:HGNC:2805	chr22:4125	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000(	63929	28052

XPO1	64.677	61.6264	63.8205	62.3639	96.3389	93.9895	exportin 1 [Source:HGNC Symbol;Acc:HGNC:12825]	chr2:61704	NM_00340	XM_01153	.	.	NP_00339	XP_005264	protein_co	ENSG0000	7514	12825
XPO4	10.1873	10.3516	9.93443	10.3782	13.108	12.2655	exportin 4 [Source:HGNC Symbol;Acc:HGNC:17796]	chr13:2135	NM_02245	XM_01153	.	.	NP_07190	XP_005266	protein_co	ENSG0000	64328	17796
XPO5	26.7089	27.5145	28.1573	30.1244	28.7267	27.583	exportin 5 [Source:HGNC Symbol;Acc:HGNC:17675]	chr6:43484	NM_02075	.	.	.	NP_06580	.	protein_co	ENSG0000	57510	17675
XPO6	42.516	44.4299	39.1439	46.1034	45.1309	35.3332	exportin 6 [Source:HGNC Symbol;Acc:HGNC:19733]	chr16:2810	NM_00127	XM_00525	.	.	NP_00125	XP_005255	protein_co	ENSG0000	23214	19733
XPO7	21.9742	21.7164	20.1405	19.9214	22.335	20.954	exportin 7 [Source:HGNC Symbol;Acc:HGNC:14108]	chr8:21777	NM_01502	XM_01701	.	.	NP_05583	XP_016868	protein_co	ENSG0000	23039	14108
XPOT	36.9434	35.1802	29.2782	26.1647	34.7157	55.9917	exportin for tRNA [Source:HGNC Symbol;Acc:HGNC:12826]	chr12:6479	NM_00723	XM_01701	.	.	NP_00916	XP_016874	protein_co	ENSG0000	11260	12826
XPR1	9.70699	9.75151	12.6579	9.50965	11.7294	14.7615	xenotropic and polytropic retrovirus receptor 1 [Source:HGNC Sy	chr1:18060	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	9213	12827
XRCC1	11.588	12.2733	9.54569	13.2533	11.1911	9.40437	X-ray repair cross complementing 1 [Source:HGNC Symbol;Acc:H	chr19:4404	NM_00629	.	.	.	NP_00628	.	protein_co	ENSG0000	7515	12828
XRCC2	8.01179	8.41692	6.84586	6.48564	9.64327	7.37489	X-ray repair cross complementing 2 [Source:HGNC Symbol;Acc:H	chr7:15234	NM_00543	.	.	.	NP_00542	.	protein_co	ENSG0000	7516	12829
XRCC3	17.0363	14.3622	13.1219	20.6043	17.2429	12.1042	X-ray repair cross complementing 3 [Source:HGNC Symbol;Acc:H	chr14:1040	NM_00110	XM_01153	.	.	NP_00109	XP_005268	protein_co	ENSG0000	7517	12830
XRCC4	17.4246	16.2469	17.3674	14.1987	15.7864	14.4314	X-ray repair cross complementing 4 [Source:HGNC Symbol;Acc:H	chr5:82373	NM_00131	XM_01154	.	.	NP_00130	XP_005248	protein_co	ENSG0000	7518	12831
XRCC5	201.091	193.205	178.425	256.021	240.567	223.854	X-ray repair cross complementing 5 [Source:HGNC Symbol;Acc:H	chr2:21697	NM_02114	.	.	.	NP_06696	.	protein_co	ENSG0000	7520	12833
XRCC6	397.135	387.399	334.229	491.956	408.915	407.828	X-ray repair cross complementing 6 [Source:HGNC Symbol;Acc:H	chr22:4201	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	2547	4055
XRN1	4.01052	4.24628	4.51962	2.92761	4.45102	5.61989	5'-3' exoribonuclease 1 [Source:HGNC Symbol;Acc:HGNC:30654]	chr3:14202	NM_00128	XM_01151	.	.	NP_00126	XP_011511	protein_co	ENSG0000	54464	30654
XRN2	55.3072	54.7424	59.6013	57.4692	57.8453	60.6031	5'-3' exoribonuclease 2 [Source:HGNC Symbol;Acc:HGNC:12836]	chr20:2128	NM_00131	XM_01152	.	.	NP_00130	.	protein_co	ENSG0000	22803	12836
XRRA1	3.11231	3.14116	3.35329	3.27887	3.08025	3.01975	X-ray radiation resistance associated 1 [Source:HGNC Symbol;Acc	chr11:7445	NM_00127	XM_01154	.	.	NP_00125	XP_005273	protein_co	ENSG0000	143570	18868
XXbac-BPG116M5.17	0.000138	7.2E-09	3.14E-06	0.088664	5.54E-05	5.98E-08	.	chr6:31865	.	.	.	.	.	.	protein_co	ENSG0000	.	.
XXbac-BPG181M17.5	4.56E-28	1.77E-36	1.74E-06	3.98E-15	0.382581	2.64E-05	.	chr6:32902	.	.	.	.	.	.	protein_co	ENSG0000	.	.
XXbac-BPG246D15.9	1.61829	1.03628	1.60603	1.97314	2.50969	1.99752	.	chr6:32780	.	.	.	.	.	.	protein_co	ENSG0000	.	.
XXbac-BPG32J3.19	2.77E-38	0	0	0	5.94E-17	1.4E-102	.	chr6:31654	.	.	.	.	.	.	protein_co	ENSG0000	.	.
XXbac-BPG32J3.20	8.87E-06	6.48E-06	1.01E-05	1.12E-05	1.06E-05	1.1E-05	.	chr6:31654	.	.	.	.	.	.	protein_co	ENSG0000	.	.
XXbac-BPG32J3.22	2.61197	2.50465	1.13423	3.89937	3.46109	1.10182	.	chr6:31629	.	.	.	.	.	.	protein_co	ENSG0000	.	.
XXcos-LUCA11.5	1.83002	0.780479	7.4E-209	0.908448	1.1059	0.868573	.	chr3:50384	.	.	.	.	.	.	protein_co	ENSG0000	.	.
XX-FW81066F1.2	0	0	0	0	0	0	.	chrX:14909	.	XM_00527	.	.	.	XP_005274	protein_co	ENSG0000	101927685	.
XXYLT1	5.87979	6.25299	8.00008	6.28646	6.17317	8.53172	xyloside xylosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:26	chr3:19478	NM_00130	XM_00526	.	.	NP_00129	XP_005269	protein_co	ENSG0000	152002	26639
XYLB	3.30348	3.70575	2.72343	2.10182	2.2563	1.71965	xylulokinase [Source:HGNC Symbol;Acc:HGNC:12839]	chr3:38388	NM_00510	XM_01153	.	.	NP_00509	XP_011532	protein_co	ENSG0000	9942	12839
XYLT1	0.962061	0.986113	1.24913	0.797778	0.951414	1.60303	xylosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:15516]	chr16:1719	NM_02216	.	.	.	NP_07144	.	protein_co	ENSG0000	64131	15516
XYLT2	17.2457	18.6293	16.6608	20.8207	17.9594	17.2141	xylosyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:15517]	chr17:4842	NM_02216	XM_01152	.	.	NP_07145	XP_005257	protein_co	ENSG0000	64132	15517
YAE1D1	16.0498	13.6988	13.0616	15.8014	16.6744	14.0769	Yae1 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:2485	chr7:39605	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	57002	24857
YAF2	5.55391	6.25247	6.32088	4.80823	4.6274	6.07459	YY1 associated factor 2 [Source:HGNC Symbol;Acc:HGNC:17363]	chr12:4255	NM_00119	.	.	.	NP_00117	XP_016874	protein_co	ENSG0000	10138	17363
YAP1	39.1273	40.5017	39.3255	32.6374	35.7145	40.1805	Yes associated protein 1 [Source:HGNC Symbol;Acc:HGNC:16262]	chr11:1019	NM_00113	XM_01154	.	.	NP_00112	XP_005271	protein_co	ENSG0000	10413	16262
YARS	78.6186	82.1684	53.3284	62.1234	54.4366	110.048	tyrosyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:12840]	chr1:33240	NM_00368	.	.	.	NP_00367	.	protein_co	ENSG0000	8565	12840
YARS2	21.1975	20.1367	21.587	20.4281	20.8314	16.6989	tyrosyl-tRNA synthetase 2 [Source:HGNC Symbol;Acc:HGNC:2424	chr12:3289	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	51067	24249
YBEY	26.2452	24.7126	28.3828	26.6543	23.6477	24.321	ybeY metallopeptidase (putative) [Source:HGNC Symbol;Acc:HGN	chr21:4770	NM_00131	XM_00526	.	.	NP_00130	XP_005261	protein_co	ENSG0000	54059	1299
YBX1	528.338	533.437	514.159	732.088	619.997	641.71	Y-box binding protein 1 [Source:HGNC Symbol;Acc:HGNC:8014]	chr1:43148	NM_00455	XM_00527	.	.	NP_00455	.	protein_co	ENSG0000	4904	8014
YBX2	0.42708	0.523437	0.831334	0.85622	0.311921	0.652087	Y-box binding protein 2 [Source:HGNC Symbol;Acc:HGNC:17948]	chr17:7184	NM_01598	.	.	.	NP_05706	XP_016880	protein_co	ENSG0000	51087	17948
YBX3	134.587	132.042	143.702	127.861	104.936	124.222	Y-box binding protein 3 [Source:HGNC Symbol;Acc:HGNC:2428]	chr12:1085	NM_00114	XM_01702	.	.	NP_00113	XP_016875	protein_co	ENSG0000	8531	2428
YDJC	68.077	59.8508	56.3632	67.619	47.7291	47.8498	YdjC homolog (bacterial) [Source:HGNC Symbol;Acc:HGNC:27158	chr22:2198	NM_00101	XM_01152	.	.	NP_00101	XP_011528	protein_co	ENSG0000	150223	27158
YEATS2	13.3953	14.3839	13.7458	13.4739	14.0231	13.3292	YEATS domain containing 2 [Source:HGNC Symbol;Acc:HGNC:254	chr3:18341	NM_01802	XM_01700	.	.	NP_06049	XP_005247	protein_co	ENSG0000	55689	25489
YEATS4	15.4516	14.001	17.2968	15.4	20.3012	29.1971	YEATS domain containing 4 [Source:HGNC Symbol;Acc:HGNC:248	chr12:6975	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	8089	24859
YES1	23.0981	26.0389	30.5085	25.583	29.1717	33.5549	YES proto-oncogene 1, Src family tyrosine kinase [Source:HGNC S	chr18:7215	NM_00543	XM_01702	.	.	NP_00542	XP_005258	protein_co	ENSG0000	7525	12841
YIF1A	35.808	33.9658	29.4817	32.7697	25.4316	25.3568	Yip1 interacting factor homolog A, membrane trafficking protein	chr11:6605	NM_00130	XM_00527	.	.	NP_00128	XP_005273	protein_co	ENSG0000	10897	16688
YIF1B	60.594	60.2474	47.4921	59.5538	51.1598	49.4899	Yip1 interacting factor homolog B, membrane trafficking protein	chr19:3879	NM_00103	XM_01702	.	.	NP_00103	XP_005259	protein_co	ENSG0000	90522	30511
YIPF1	13.1828	10.5991	10.503	12.6606	12.1338	11.9975	Yip1 domain family member 1 [Source:HGNC Symbol;Acc:HGNC:2	chr1:54317	NM_01898	XM_01154	.	.	NP_06185	XP_011539	protein_co	ENSG0000	54432	25231
YIPF2	24.9702	23.9071	26.7743	23.8856	22.2235	20.1552	Yip1 domain family member 2 [Source:HGNC Symbol;Acc:HGNC:2	chr19:1098	NM_00132	XM_01152	.	.	NP_00130	XP_005260	protein_co	ENSG0000	78992	28476
YIPF3	56.6672	59.9614	55.2761	50.9741	46.4602	50.588	Yip1 domain family member 3 [Source:HGNC Symbol;Acc:HGNC:2	chr6:43479	NM_01538	XM_01151	.	.	NP_05620	XP_005249	protein_co	ENSG0000	25844	21023
YIPF4	3.60348	3.1957	2.97997	3.44172	3.32312	4.21448	Yip1 domain family member 4 [Source:HGNC Symbol;Acc:HGNC:2	chr2:32502	NM_03231	XM_01153	.	.	NP_11568	XP_005264	protein_co	ENSG0000	84272	28145
YIPF5	13.8844	15.8697	14.7869	12.1187	14.3996	16.0823	Yip1 domain family member 5 [Source:HGNC Symbol;Acc:HGNC:2	chr5:14353	NM_00102	.	.	.	NP_00102	.	protein_co	ENSG0000	81555	24877
YIPF6	13.6108	12.8994	12.6397	14.042	15.9014	19.1547	Yip1 domain family member 6 [Source:HGNC Symbol;Acc:HGNC:2	chrX:67718	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	286451	28304
YIPF7	0	0	0	0	0	0.221663	Yip1 domain family member 7 [Source:HGNC Symbol;Acc:HGNC:2	chr4:44624	NM_18259	XM_01151	.	.	NP_87239	XP_011511	protein_co	ENSG0000	285525	26825
YJEFN3	2.85147	1.99232	2.93924	2.78848	2.41492	3.32477	YjeF N-terminal domain containing 3 [Source:HGNC Symbol;Acc:H	chr19:1962	NM_00119	XM_00525	.	.	NP_00117	XP_005259	protein_co	ENSG0000	374887	24785
YKT6	59.3327	61.6707	57.2293	69.4726	59.1229	55.167	YKT6 v-SNARE homolog (S. cerevisiae) [Source:HGNC Symbol;Acc	chr7:44240	NM_00655	XM_00524	.	.	NP_00654	XP_005249	protein_co	ENSG0000	10652	16959
YLPM1	11.8149	12.6392	11.3261	16.4088	16.9947	14.9156	YLP motif containing 1 [Source:HGNC Symbol;Acc:HGNC:17798]	chr14:7523	NM_01958	XM_01153	.	.	NP_06253	XP_005267	protein_co	ENSG0000	56252	17798
YME1L1	61.6939	60.0065	58.7711	60.5484	69.6658	70.992	YME1 like 1 ATPase [Source:HGNC Symbol;Acc:HGNC:12843]	chr10:2739	NM_00125	XM_01151	.	.	NP_00124	XP_011517	protein_co	ENSG0000	10730	12843
YOD1	5.57861	6.79385	6.7264	5.45884	6.42429	7.00604	YOD1 deubiquitinase [Source:HGNC Symbol;Acc:HGNC:25035]	chr1:20721	NM_00127	XM_01150	.	.	NP_00126	XP_011508	protein_co	ENSG0000	55432	25035
YPEL1	1.56443	1.00225	1.00072	0.847658	1.30981	1.53497	yippee like 1 [Source:HGNC Symbol;Acc:HGNC:12845]	chr22:2202	NM_01331	.	.	.	NP_03744	.	protein_co	ENSG0000	29799	12845
YPEL2	1.8458	1.89123	3.13095	1.19956	1.38726	2.52566	yippee like 2 [Source:HGNC Symbol;Acc:HGNC:18326]	chr17:5740	NM_00100	XM_01702	.	.	NP_00100	XP_016880	protein_co	ENSG0000	388403	18326
YPEL3	3.37599	4.06079	5.42162	1.25977	1.54516	3.11634	yippee like 3 [Source:HGNC Symbol;Acc:HGNC:18327]	chr16:3010	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	83719	18327
YPEL4	0.200267	0.162779	0.244217	0.043829	0.248588	0.127277	yippee like 4 [Source:HGNC Symbol;Acc:HGNC:18328]	chr11:5741	NM_14500	XM_01154	.	.	NP_65944	XP_011543	protein_co	ENSG0000	219539	18328

YPEL5	10.6856	11.3821	17.7731	8.27635	9.19072	18.3948	yippee like 5 [Source:HGNC Symbol;Acc:HGNC:18329]	chr2:30369	NM_00112	XM_01700	.	.	NP_00112	XP_016859	protein_co	ENSG0000	51646	18329
YRDC	39.7576	40.5552	33.145	50.9438	44.0068	35.7725	yrdC N6-threonylcarbamoyltransferase domain containing [Sourc	chr1:38268	NM_02464	.	.	.	NP_07891	.	protein_co	ENSG0000	79693	28905
YTHDC1	23.4884	24.0197	21.383	18.4265	22.2821	21.2075	YTH domain containing 1 [Source:HGNC Symbol;Acc:HGNC:30626	chr4:69176	NM_00103	XM_00526	.	.	NP_00102	XP_005265	protein_co	ENSG0000	91746	30626
YTHDC2	9.75154	10.9067	10.1507	8.72643	10.6264	8.1125	YTH domain containing 2 [Source:HGNC Symbol;Acc:HGNC:24721	chr5:11284	NM_02282	XM_01154	.	.	NP_07373	XP_011541	protein_co	ENSG0000	64848	24721
YTHDF1	31.1781	30.8395	31.8731	37.3596	38.8952	30.3844	YTH N6-methyladenosine RNA binding protein 1 [Source:HGNC Sy	chr20:6182	NM_01779	.	.	.	NP_06026	.	protein_co	ENSG0000	54915	15867
YTHDF2	56.6748	57.0998	53.1079	63.6282	61.1434	57.4849	YTH N6-methyladenosine RNA binding protein 2 [Source:HGNC Sy	chr1:29063	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	51441	31675
YTHDF3	19.9163	22.9113	20.5697	20.5085	25.6048	22.3145	YTH N6-methyladenosine RNA binding protein 3 [Source:HGNC Sy	chr8:64081	NM_00127	XM_01151	.	.	NP_00126	XP_011515	protein_co	ENSG0000	253943	26465
YWHAB	125.161	123.312	122.87	133.903	146.567	148.591	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activat	chr20:4351	NM_00340	XM_01702	.	.	NP_00339	XP_016883	protein_co	ENSG0000	7529	12849
YWHAE	389.401	370.474	361.246	441.451	424.981	457.99	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activat	chr17:1247	NM_00676	.	.	.	NP_00675	XP_005256	protein_co	ENSG0000	7531	12851
YWHAG	116.652	119.679	115.187	140.079	155.93	152.245	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activat	chr7:75956	NM_01247	.	.	.	NP_03661	.	protein_co	ENSG0000	7532	12852
YWHAH	119.68	120.842	106.7	137.809	136.431	120.041	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activat	chr22:3234	NM_00340	.	.	.	NP_00339	.	protein_co	ENSG0000	7533	12853
YWHAQ	167.51	172.122	177.279	206.449	230.698	236.678	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activat	chr2:97241	NM_00682	.	.	.	NP_00681	.	protein_co	ENSG0000	10971	12854
YWHAZ	664.937	649.705	591.403	681.364	733.913	812.674	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activat	chr8:10192	NM_00113	XM_01701	.	.	NP_00112	XP_005251	protein_co	ENSG0000	7534	12855
YY1	23.9279	24.1876	24.248	22.7658	23.6141	23.8864	YY1 transcription factor [Source:HGNC Symbol;Acc:HGNC:12856]	chr14:1007	NM_00340	.	NR_10682	.	NP_00339	.	protein_co	ENSG0000	10246673	12856
YY1AP1	18.1821	18.382	17.4045	20.0539	18.0901	16.6583	YY1 associated protein 1 [Source:HGNC Symbol;Acc:HGNC:30935	chr1:15562	NM_00119	XM_01150	.	.	NP_00118	XP_011508	protein_co	ENSG0000	55249	30935
YY2	1.87356	1.65152	1.73249	1.21151	1.1033	0.997308	YY2 transcription factor [Source:HGNC Symbol;Acc:HGNC:31684]	chrX:21857	NM_20692	.	.	.	NP_99680	.	protein_co	ENSG0000	404281	31684
Z97053.1	0	0	0	0	0	0	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QXP	chr20:4316	.	.	.	.	.	.	protein_co	ENSG0000	.	.
Z98049.1	0	0	0	0	0	0	CDNA FLJ25492 fis, clone CBR01389; Uncharacterized protein [Sc	chr6:16682	.	.	.	.	.	.	protein_co	ENSG0000	.	.
ZACN	0	0	0.113697	0.071203	0	0	zinc activated ion channel [Source:HGNC Symbol;Acc:HGNC:2950	chr17:7407	NM_18099	.	.	.	NP_85132	.	protein_co	ENSG0000	353174	29504
ZADH2	9.80711	10.1747	10.9937	10.7692	9.99003	10.0785	zinc binding alcohol dehydrogenase domain containing 2 [Source	chr18:7290	NM_00130	XM_01152	.	.	NP_00129	XP_005266	protein_co	ENSG0000	284273	28697
ZAN	0	0.008255	0	0	0	0	zonadhesin (gene/pseudogene) [Source:HGNC Symbol;Acc:HGNC	chr7:10033	NM_00338	XM_01151	NR_11191	.	NP_00337	XP_011514	protein_co	ENSG0000	7455	12857
ZAP70	0.07257	0.071028	0.125194	0.109995	0.170828	0.159589	zeta chain of T cell receptor associated protein kinase 70 [Source	chr2:98330	NM_00107	XM_01151	.	.	NP_00107	.	protein_co	ENSG0000	7535	12858
ZAR1	0.093675	0.089091	0.079507	0.198532	0	0.105888	zygote arrest 1 [Source:HGNC Symbol;Acc:HGNC:20436]	chr4:48492	NM_17561	.	.	.	NP_78331	.	protein_co	ENSG0000	326340	20436
ZAR1L	0.049822	0	0.086581	0	0	0.087638	zygote arrest 1-like [Source:HGNC Symbol;Acc:HGNC:37116]	chr13:3287	NM_00113	.	.	.	NP_00113	.	protein_co	ENSG0000	646799	37116
ZBBX	0.156334	0.169045	0.222814	0.094831	0.106219	0.186623	zinc finger B-box domain containing [Source:HGNC Symbol;Acc:H	chr3:16695	NM_00119	XM_01151	.	.	NP_00118	XP_011511	protein_co	ENSG0000	79740	26245
ZBED1	0.016969	0.209961	0.118319	0.058156	0.078483	0.037576	zinc finger BED-type containing 1 [Source:HGNC Symbol;Acc:HGN	chrX:21375	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	9189	447
ZBED2	13.4846	12.7624	11.0423	15.4343	15.4904	13.2655	zinc finger BED-type containing 2 [Source:HGNC Symbol;Acc:HGN	chr3:11126	NM_02450	.	.	.	NP_07878	.	protein_co	ENSG0000	79413	20710
ZBED3	3.99073	4.49881	4.06294	2.65813	3.58301	5.36815	zinc finger BED-type containing 3 [Source:HGNC Symbol;Acc:HGN	chr5:76367	NM_03236	.	.	.	NP_00131	.	protein_co	ENSG0000	84327	20711
ZBED4	9.88294	10.3686	12.0049	9.99372	11.3967	12.5128	zinc finger BED-type containing 4 [Source:HGNC Symbol;Acc:HGN	chr22:5024	NM_01483	XM_01153	.	.	NP_05565	XP_011528	protein_co	ENSG0000	9889	20721
ZBED5	13.5098	12.2084	14.3508	9.67712	14.8921	14.7063	zinc finger BED-type containing 5 [Source:HGNC Symbol;Acc:HGN	chr11:1087	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	58486	30803
ZBED6	8.83091	9.27344	11.955	5.43893	7.69251	12.44	zinc finger BED-type containing 6 [Source:HGNC Symbol;Acc:HGN	chr1:20376	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	10038127	33273
ZBED6CL	3.19148	3.96231	2.51091	2.17072	2.30489	1.32602	ZBED6 C-terminal like [Source:HGNC Symbol;Acc:HGNC:21720]	chr7:15002	NM_13843	.	.	.	NP_61244	.	protein_co	ENSG0000	113763	21720
ZBED8	3.40136	3.08792	2.09646	3.01079	4.95877	3.81459	zinc finger BED-type containing 8 [Source:HGNC Symbol;Acc:HGN	chr5:15982	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	63920	30804
ZBED9	0	0	0	0	0	0	zinc finger BED-type containing 9 [Source:HGNC Symbol;Acc:HGN	chr6:28539	NM_05292	.	.	.	NP_44315	.	protein_co	ENSG0000	114821	13851
ZBP1	0	0	0	0	0	0	Z-DNA binding protein 1 [Source:HGNC Symbol;Acc:HGNC:16176]	chr20:5617	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	81030	16176
ZBTB1	9.11624	9.01262	11.3966	9.75168	13.7546	12.6692	zinc finger and BTB domain containing 1 [Source:HGNC Symbol;A	chr14:6485	NM_00112	XM_01153	.	.	NP_00111	XP_005267	protein_co	ENSG0000	22890	20259
ZBTB10	5.93082	6.88975	7.36295	4.50323	7.15112	10.9706	zinc finger and BTB domain containing 10 [Source:HGNC Symbol;	chr8:81397	NM_00110	XM_00525	.	.	NP_00109	.	protein_co	ENSG0000	65986	30953
ZBTB11	9.95501	9.96643	11.0348	9.64517	11.5124	9.43108	zinc finger and BTB domain containing 11 [Source:HGNC Symbol;	chr3:10136	NM_01441	XM_01151	.	.	NP_05523	XP_01151	protein_co	ENSG0000	27107	16740
ZBTB12	4.31031	4.98275	3.77997	3.10695	3.54817	3.08492	zinc finger and BTB domain containing 12 [Source:HGNC Symbol;	chr6:31865	NM_18184	.	.	.	NP_86282	XP_011512	protein_co	ENSG0000	221527	19066
ZBTB14	5.95788	5.0115	4.99916	4.21073	4.84117	4.86551	zinc finger and BTB domain containing 14 [Source:HGNC Symbol;	chr18:5289	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	7541	12860
ZBTB16	0	0	0	0	0	0	zinc finger and BTB domain containing 16 [Source:HGNC Symbol;	chr11:1139	NM_00101	.	.	.	NP_00101	XP_016873	protein_co	ENSG0000	7704	12930
ZBTB17	9.39072	9.73484	10.5172	10.7938	9.57474	9.05557	zinc finger and BTB domain containing 17 [Source:HGNC Symbol;	chr1:16268	NM_00124	XM_01700	.	.	NP_00122	XP_005246	protein_co	ENSG0000	7709	12936
ZBTB18	2.64292	2.54268	2.15253	1.6139	2.17968	2.44725	zinc finger and BTB domain containing 18 [Source:HGNC Symbol;	chr1:24421	NM_00127	XM_00527	.	.	NP_00126	XP_005273	protein_co	ENSG0000	10472	13030
ZBTB2	9.57912	9.97482	6.53084	11.3287	13.5966	7.1333	zinc finger and BTB domain containing 2 [Source:HGNC Symbol;A	chr6:15168	NM_02086	XM_01153	.	.	NP_06591	XP_005267	protein_co	ENSG0000	57621	20868
ZBTB20	5.819	5.90619	5.92394	4.99328	6.70751	6.86215	zinc finger and BTB domain containing 20 [Source:HGNC Symbol;	chr3:11403	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	26137	13503
ZBTB21	9.10252	9.45464	6.91151	7.23001	8.62849	9.14213	zinc finger and BTB domain containing 21 [Source:HGNC Symbol;	chr21:4340	NM_00109	XM_01702	.	.	NP_00109	XP_005261	protein_co	ENSG0000	49854	13083
ZBTB22	5.33387	5.43619	6.15281	3.16119	3.14981	4.31436	zinc finger and BTB domain containing 22 [Source:HGNC Symbol;	chr6:33282	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	9278	13085
ZBTB24	6.3247	6.1239	6.56197	6.74898	6.63177	5.43064	zinc finger and BTB domain containing 24 [Source:HGNC Symbol;	chr6:10976	NM_01479	.	.	.	NP_05561	.	protein_co	ENSG0000	9841	21143
ZBTB25	5.76195	5.01875	6.44617	4.65442	4.83211	6.14032	zinc finger and BTB domain containing 25 [Source:HGNC Symbol;	chr14:6485	NM_00130	XM_01153	.	.	NP_00129	XP_005268	protein_co	ENSG0000	7597	13112
ZBTB26	4.50608	3.87285	4.26928	2.92659	5.19876	3.50653	zinc finger and BTB domain containing 26 [Source:HGNC Symbol;	chr9:12567	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	57684	23383
ZBTB3	2.16464	2.0543	2.12185	2.1224	2.22414	1.84583	zinc finger and BTB domain containing 3 [Source:HGNC Symbol;A	chr11:6251	NM_02478	XM_01154	.	.	NP_07906	XP_011543	protein_co	ENSG0000	79842	22918
ZBTB32	0.040914	0.080844	0	0	0.047316	0	zinc finger and BTB domain containing 32 [Source:HGNC Symbol;	chr19:3619	NM_01438	XM_01152	.	.	NP_05519	XP_005258	protein_co	ENSG0000	27033	16763
ZBTB33	9.86449	9.38538	9.16079	7.53885	10.6022	9.54096	zinc finger and BTB domain containing 33 [Source:HGNC Symbol;	chrX:11938	NM_00118	.	.	.	NP_00117	.	protein_co	ENSG0000	10009	16682
ZBTB34	4.02987	3.95557	4.3012	3.42821	4.17892	4.19114	zinc finger and BTB domain containing 34 [Source:HGNC Symbol;	chr9:12962	NM_00109	XM_01151	.	.	NP_00109	XP_005252	protein_co	ENSG0000	403341	31446
ZBTB37	2.05784	2.12817	2.31643	1.72388	2.48403	2.55653	zinc finger and BTB domain containing 37 [Source:HGNC Symbol;	chr1:17383	NM_00112	XM_01151	.	.	NP_00111	XP_005245	protein_co	ENSG0000	84614	28365
ZBTB38	8.70189	8.80482	6.76257	7.61486	8.51906	7.52562	zinc finger and BTB domain containing 38 [Source:HGNC Symbol;	chr3:14110	NM_00108	XM_01151	.	.	NP_00107	XP_005247	protein_co	ENSG0000	253461	26636
ZBTB39	7.40385	8.32984	8.14779	8.43601	8.75974	8.12591	zinc finger and BTB domain containing 39 [Source:HGNC Symbol;	chr12:5739	NM_01483	.	.	.	NP_05564	.	protein_co	ENSG0000	9880	29014
ZBTB4	11.6948	11.3212	10.9756	10.0706	9.94255	9.79784	zinc finger and BTB domain containing 4 [Source:HGNC Symbol;A	chr17:7362	NM_00112	XM_01152	.	.	NP_00112	XP_006721	protein_co	ENSG0000	57659	23847
ZBTB40	9.03773	9.28146	8.85279	7.93446	8.33473	6.8394	zinc finger and BTB domain containing 40 [Source:HGNC Symbol;	chr1:22778	NM_00108	XM_01700	.	.	NP_00107	XP_011540	protein_co	ENSG0000	9923	29045

ZBTB41	3.40596	4.00333	3.41445	2.77345	3.85836	5.3855	zinc finger and BTB domain containing 41 [Source:HGNC Symbol;	chr1:19712	NM_19431	.	.	.		NP_91929	.	protein_co	ENSG0000	360023	24819
ZBTB42	2.98345	3.15932	3.09227	1.6106	1.64668	2.16291	zinc finger and BTB domain containing 42 [Source:HGNC Symbol;	chr14:1052	NM_00113	XM_01702	.	.		NP_00113	XP_01687	protein_co	ENSG0000	100128927	32550
ZBTB43	5.00339	5.25753	4.22071	4.34355	5.13154	5.6276	zinc finger and BTB domain containing 43 [Source:HGNC Symbol;	chr9:12956	NM_00113	XM_01151	.	.		NP_00112	XP_005251	protein_co	ENSG0000	23099	17908
ZBTB44	6.47428	6.68341	7.56571	3.67639	4.2457	5.93248	zinc finger and BTB domain containing 44 [Source:HGNC Symbol;	chr11:1300	NM_00130	XM_00671	.	.		NP_00128	XP_005271	protein_co	ENSG0000	29068	25001
ZBTB45	6.76609	8.1067	5.90869	8.98953	7.25571	7.98027	zinc finger and BTB domain containing 45 [Source:HGNC Symbol;	chr19:5902	NM_00131	XM_00672	.	.		NP_00130	XP_005259	protein_co	ENSG0000	84878	23715
ZBTB46	2.77326	2.44536	3.0434	2.20835	2.45101	2.9962	zinc finger and BTB domain containing 46 [Source:HGNC Symbol;	chr20:6237	NM_02522	XM_01152	.	.		NP_07950	XP_00526	protein_co	ENSG0000	140685	16094
ZBTB47	2.77693	2.94912	2.71176	1.41466	1.28223	1.14791	zinc finger and BTB domain containing 47 [Source:HGNC Symbol;	chr3:42695	NM_14516	.	.	.		NP_66014	.	protein_co	ENSG0000	92999	26955
ZBTB48	8.18813	8.78736	8.85009	10.6841	7.93905	7.99772	zinc finger and BTB domain containing 48 [Source:HGNC Symbol;	chr1:66401	NM_00127	.	.	.		NP_00126	.	protein_co	ENSG0000	3104	4930
ZBTB49	2.324	2.97577	2.36127	2.41044	2.14749	1.98508	zinc finger and BTB domain containing 49 [Source:HGNC Symbol;	chr4:42919	NM_14529	XM_00671	.	.		NP_66033	XP_006713	protein_co	ENSG0000	166793	19883
ZBTB5	10.3306	11.7612	10.6483	8.84484	9.39191	11.3122	zinc finger and BTB domain containing 5 [Source:HGNC Symbol;A	chr9:37438	NM_01487	XM_00525	.	.		NP_05568	XP_005251	protein_co	ENSG0000	9925	23836
ZBTB6	8.09543	8.66997	7.88119	6.77266	9.76551	9.5971	zinc finger and BTB domain containing 6 [Source:HGNC Symbol;A	chr9:12567	NM_00662	.	.	.		NP_00661	.	protein_co	ENSG0000	10773	16764
ZBTB7A	13.2767	17.9006	15.4937	12.8204	12.5486	14.1081	zinc finger and BTB domain containing 7A [Source:HGNC Symbol;	chr19:4044	NM_01589	XM_00525	.	.		NP_00130	XP_005259	protein_co	ENSG0000	51341	18078
ZBTB7B	22.5888	22.78	21.3656	22.2968	21.9811	22.4811	zinc finger and BTB domain containing 7B [Source:HGNC Symbol;	chr1:15497	NM_00125	XM_01150	.	.		NP_00123	XP_006711	protein_co	ENSG0000	51043	18668
ZBTB7C	0.246707	0.26483	0.319899	0.409886	0.434377	0.212601	zinc finger and BTB domain containing 7C [Source:HGNC Symbol;	chr18:4555	NM_00103	XM_01702	.	.		NP_00103	XP_005258	protein_co	ENSG0000	201501	31700
ZBTB8A	4.51783	4.14841	4.62602	4.51183	4.56347	4.3963	zinc finger and BTB domain containing 8A [Source:HGNC Symbol;	chr1:33005	NM_00104	.	.	.		NP_00103	.	protein_co	ENSG0000	653121	24172
ZBTB8B	0.320633	0.235525	0.351263	0.310829	0.31383	0.259639	zinc finger and BTB domain containing 8B [Source:HGNC Symbol;	chr1:32930	NM_00114	.	.	.		NP_00113	.	protein_co	ENSG0000	728116	37057
ZBTB8OS	24.1231	23.1378	20.5662	25.2609	23.6993	20.1414	zinc finger and BTB domain containing 8 opposite strand [Source:	chr1:33005	NM_00130	XM_01700	.	.		NP_00129	XP_011539	protein_co	ENSG0000	339487	24094
ZBTB9	13.0112	13.6	12.1149	13.8944	13.1808	11.5739	zinc finger and BTB domain containing 9 [Source:HGNC Symbol;A	chr6:33387	NM_15273	.	.	.		NP_68994	.	protein_co	ENSG0000	221504	28323
ZC2HC1A	5.61738	5.4744	4.50806	4.02041	4.09756	5.51384	zinc finger C2HC-type containing 1A [Source:HGNC Symbol;Acc:H	chr8:79578	NM_01601	XM_00525	.	.		NP_05709	XP_005251	protein_co	ENSG0000	51101	24277
ZC2HC1B	0	0	0	0	0	0	zinc finger C2HC-type containing 1B [Source:HGNC Symbol;Acc:H	chr6:14418	NM_00101	.	.	.		NP_00101	.	protein_co	ENSG0000	153918	21174
ZC2HC1C	0.581625	0.898255	0.651526	0.693699	0.359103	0.2599	zinc finger C2HC-type containing 1C [Source:HGNC Symbol;Acc:H	chr14:7551	NM_00104	XM_01702	.	.		NP_00103	XP_005268	protein_co	ENSG0000	79696	20354
ZC3H10	2.50447	2.26444	2.06127	1.66228	1.94993	1.73216	zinc finger CCCH-type containing 10 [Source:HGNC Symbol;Acc:H	chr12:5651	NM_00130	.	.	.		NP_00129	.	protein_co	ENSG0000	84872	25893
ZC3H11A	41.4844	42.3331	41.3474	33.5019	36.4042	44.2506	zinc finger CCCH-type containing 11A [Source:HGNC Symbol;Acc:	chr1:20376	NM_00131	XM_01151	.	.		NP_00130	XP_005245	protein_co	ENSG0000	9877	29093
ZC3H11B	1.48547	1.53715	1.60269	1.14348	1.42959	2.00345	zinc finger CCCH-type containing 11B pseudogene [Source:HGNC	chr1:21978	.	.	.	.		NP_00125	XP_01686	protein_co	ENSG0000	441155	25659
ZC3H12A	13.0529	13.5313	14.1041	4.64314	4.74726	4.13188	zinc finger CCCH-type containing 12A [Source:HGNC Symbol;Acc:	chr1:37940	NM_00132	XM_01154	NR_10679	.		NP_00131	.	protein_co	ENSG0000	102465438	26259
ZC3H12B	0.081229	0.073937	0.170958	0.157429	0.180642	0.322162	zinc finger CCCH-type containing 12B [Source:HGNC Symbol;Acc:	chrX:64708	NM_00101	XM_01153	.	.		NP_00101	XP_011529	protein_co	ENSG0000	340554	17407
ZC3H12C	6.50016	7.05767	5.31448	5.05833	4.76979	4.06635	zinc finger CCCH-type containing 12C [Source:HGNC Symbol;Acc:	chr11:1099	NM_03339	XM_01154	.	.		NP_20374	XP_005271	protein_co	ENSG0000	85463	29362
ZC3H12D	0.109498	0.15411	0.199424	0.142578	0.104577	0.064587	zinc finger CCCH-type containing 12D [Source:HGNC Symbol;Acc:	chr6:14976	NM_20736	.	.	.		NP_99724	.	protein_co	ENSG0000	340152	21175
ZC3H13	13.6135	13.3148	13.2175	12.2198	13.0486	12.4046	zinc finger CCCH-type containing 13 [Source:HGNC Symbol;Acc:H	chr13:4652	NM_01507	XM_01702	.	.		NP_05588	XP_00526	protein_co	ENSG0000	23091	20368
ZC3H14	30.4133	28.4931	28.2123	28.6249	29.1891	30.3674	zinc finger CCCH-type containing 14 [Source:HGNC Symbol;Acc:H	chr14:8902	NM_00116	XM_01153	.	.		NP_00115	XP_005268	protein_co	ENSG0000	79882	20509
ZC3H15	43.6936	45.1982	40.6052	47.257	50.7267	48.1242	zinc finger CCCH-type containing 15 [Source:HGNC Symbol;Acc:H	chr2:18735	NM_01847	.	.	.		NP_06094	.	protein_co	ENSG0000	55854	29528
ZC3H18	13.5972	14.3307	13.3982	14.821	13.9872	11.6316	zinc finger CCCH-type containing 18 [Source:HGNC Symbol;Acc:H	chr16:8863	NM_00129	XM_01152	.	.		NP_00128	XP_011521	protein_co	ENSG0000	124245	25091
ZC3H3	11.5512	11.4963	10.7327	12.5046	9.90769	9.60823	zinc finger CCCH-type containing 3 [Source:HGNC Symbol;Acc:HG	chr8:14451	NM_01511	XM_00671	.	.		NP_05593	XP_00671	protein_co	ENSG0000	23144	28972
ZC3H4	6.30607	7.4975	6.95699	5.97902	6.1641	6.10522	zinc finger CCCH-type containing 4 [Source:HGNC Symbol;Acc:HG	chr19:4756	NM_01516	XM_01152	.	.		NP_05598	XP_005258	protein_co	ENSG0000	23211	17808
ZC3H6	0.95066	0.811891	1.29339	0.561281	0.5877	1.6367	zinc finger CCCH-type containing 6 [Source:HGNC Symbol;Acc:HG	chr2:11303	NM_19858	XM_01151	.	.		NP_94098	XP_006712	protein_co	ENSG0000	376940	24762
ZC3H7A	14.495	15.01	15.0895	15.2851	15.7095	16.1538	zinc finger CCCH-type containing 7A [Source:HGNC Symbol;Acc:H	chr16:1184	NM_01415	XM_01702	.	.		NP_05487	XP_00672	protein_co	ENSG0000	29066	30959
ZC3H7B	24.0298	26.2107	22.3266	28.9429	28.2519	22.3067	zinc finger CCCH-type containing 7B [Source:HGNC Symbol;Acc:H	chr22:4169	NM_01759	.	.	.		NP_06006	.	protein_co	ENSG0000	23264	30869
ZC3H8	10.2026	9.71085	8.32947	10.5823	10.7498	9.21203	zinc finger CCCH-type containing 8 [Source:HGNC Symbol;Acc:HG	chr2:11296	NM_03249	XM_00526	.	.		NP_11588	.	protein_co	ENSG0000	84524	30941
ZC3HAV1	28.3288	30.5742	16.7719	26.9137	29.1924	24.8563	zinc finger CCCH-type containing, antiviral 1 [Source:HGNC Symb	chr7:13872	NM_02011	XM_00525	.	.		NP_06450	XP_00525	protein_co	ENSG0000	56829	23721
ZC3HAV1L	4.42912	5.1868	6.16295	5.25986	6.78896	3.89075	zinc finger CCCH-type containing, antiviral 1 like [Source:HGNC Sy	chr7:13871	NM_08066	.	.	.		NP_54239	XP_011514	protein_co	ENSG0000	92092	22423
ZC3HC1	14.9734	13.8723	12.7961	16.7967	14.8132	12.7318	zinc finger C3HC-type containing 1 [Source:HGNC Symbol;Acc:HG	chr7:12965	NM_00128	XM_01701	.	.		NP_00126	XP_011514	protein_co	ENSG0000	51530	29913
ZC4H2	7.02454	6.93321	6.85969	8.05761	8.90569	9.16246	zinc finger C4H2-type containing [Source:HGNC Symbol;Acc:HGN	chrX:64135	NM_00117	.	.	.		NP_00117	.	protein_co	ENSG0000	55906	24931
ZCCHC10	20.3022	19.9117	18.591	30.4429	19.7322	15.5993	zinc finger CCHC-type containing 10 [Source:HGNC Symbol;Acc:H	chr5:13233	NM_00130	XM_01154	.	.		NP_00128	XP_011541	protein_co	ENSG0000	54819	25954
ZCCHC11	8.3878	9.03118	8.92062	7.19496	9.01435	9.73178	zinc finger CCHC-type containing 11 [Source:HGNC Symbol;Acc:H	chr1:52888	NM_00100	XM_01154	.	.		NP_00100	XP_00527	protein_co	ENSG0000	23318	28981
ZCCHC12	0.936066	0.889192	3.57917	1.87701	1.48775	3.31264	zinc finger CCHC-type containing 12 [Source:HGNC Symbol;Acc:H	chrX:11795	NM_17379	.	.	.		NP_00129	.	protein_co	ENSG0000	170261	27273
ZCCHC13	0	0	0	0	0	0	zinc finger CCHC-type containing 13 [Source:HGNC Symbol;Acc:H	chrX:73524	NM_20330	.	.	.		NP_97604	.	protein_co	ENSG0000	389874	31749
ZCCHC14	13.3875	13.2981	13.1066	12.7885	14.2598	12.157	zinc finger CCHC-type containing 14 [Source:HGNC Symbol;Acc:H	chr16:8743	NM_01514	XM_00525	.	.		NP_05595	XP_005255	protein_co	ENSG0000	23174	24134
ZCCHC16	0	0	0	0	0	0	zinc finger CCHC-type containing 16 [Source:HGNC Symbol;Acc:H	chrX:11169	NM_00100	XM_01153	.	.		NP_00100	XP_011529	protein_co	ENSG0000	340595	25214
ZCCHC17	21.403	21.0202	22.8601	25.0224	20.1898	22.4265	zinc finger CCHC-type containing 17 [Source:HGNC Symbol;Acc:H	chr1:31769	NM_00128	XM_01154	.	.		NP_00126	XP_00671	protein_co	ENSG0000	51538	30246
ZCCHC18	0	0	0	0	0	0	zinc finger CCHC-type containing 18 [Source:HGNC Symbol;Acc:H	chrX:10334	NM_00114	XM_01153	NR_02669	.		NP_00113	XP_011529	protein_co	ENSG0000	644353	32459
ZCCHC2	5.67614	5.56404	5.27972	4.76774	5.52395	5.89607	zinc finger CCHC-type containing 2 [Source:HGNC Symbol;Acc:HG	chr18:6019	NM_01774	XM_01152	.	.		NP_06021	XP_006722	protein_co	ENSG0000	54877	22916
ZCCHC24	2.76564	3.26653	4.17705	4.16768	3.5471	4.76661	zinc finger CCHC-type containing 24 [Source:HGNC Symbol;Acc:H	chr10:8114	NM_15336	.	.	.		NP_69919	.	protein_co	ENSG0000	219654	26911
ZCCHC3	17.1493	15.8264	14.4077	16.3854	14.4791	17.3521	zinc finger CCHC-type containing 3 [Source:HGNC Symbol;Acc:HG	chr20:2776	NM_03308	.	.	.		NP_14908	.	protein_co	ENSG0000	85364	16230
ZCCHC4	6.20277	5.75234	6.14409	6.55092	6.93938	5.38047	zinc finger CCHC-type containing 4 [Source:HGNC Symbol;Acc:HG	chr4:25314	NM_02493	XM_01151	.	.		NP_07921	XP_011512	protein_co	ENSG0000	29063	22917
ZCCHC5	0	0	0	0	0	0	zinc finger CCHC-type containing 5 [Source:HGNC Symbol;Acc:HG	chrX:77911	NM_15269	XM_01153	.	.		NP_68990	XP_011529	protein_co	ENSG0000	203430	22997
ZCCHC6	7.37879	7.03267	8.87904	4.9337	6.32771	7.99772	zinc finger CCHC-type containing 6 [Source:HGNC Symbol;Acc:HG	chr9:88902	NM_00118	XM_01151	.	.		NP_00117	XP_005252	protein_co	ENSG0000	79670	25817
ZCCHC7	12.6275	13.4145	12.6846	11.7413	12.0023	14.4361	zinc finger CCHC-type containing 7 [Source:HGNC Symbol;Acc:HG	chr9:37120	NM_00128	XM_01151	.	.		NP_00127	XP_005251	protein_co	ENSG0000	84186	26209
ZCCHC8	13.5381	14.3406	9.25863	12.7987	13.6999	14.2489	zinc finger CCHC-type containing 8 [Source:HGNC Symbol;Acc:HG	chr12:1229	NM_01761	XM_01153	.	.		NP_06008	XP_011536	protein_co	ENSG0000	55596	25265
ZCCHC9	21.2143	20.5294	21.7775	19.0734	19.3927	20.0122	zinc finger CCHC-type containing 9 [Source:HGNC Symbol;Acc:HG	chr5:80597	NM_00113	XM_01154	.	.		NP_00112	XP_011541	protein_co	ENSG0000	84240	25424

ZCRB1	29.6391	31.306	30.677	32.1784	30.9535	38.3869	zinc finger CCHC-type and RNA binding motif containing 1 [Sourc	chr12:4263	NM_03311	.	.	.	NP_14910	XP_016875	protein_co	ENSG0000	85437	29620
ZCWPW1	0.452589	0.711194	0.458329	0.764717	0.55875	0.495495	zinc finger CW-type and PWWP domain containing 1 [Source:HGN	chr7:99998	NM_00125	XM_01151	.	.	NP_00124	XP_005250	protein_co	ENSG0000	55063	23486
ZCWPW2	0.465003	0.353748	0.854051	0.16113	0.513104	0.797471	zinc finger CW-type and PWWP domain containing 2 [Source:HGN	chr3:28390	NM_00104	.	.	.	NP_00103	XP_016861	protein_co	ENSG0000	152098	23574
ZDBF2	2.49165	2.54151	2.93803	1.86712	2.64154	3.0172	zinc finger DBF-type containing 2 [Source:HGNC Symbol;Acc:HGN	chr2:20713	NM_00128	XM_01151	.	.	NP_00127	XP_005246	protein_co	ENSG0000	57683	29313
ZDHHC1	3.40242	3.5532	3.27951	3.95534	2.1198	2.97557	zinc finger DHHC-type containing 1 [Source:HGNC Symbol;Acc:HG	chr16:6742	NM_01330	XM_01152	.	.	NP_03743	XP_005255	protein_co	ENSG0000	29800	17916
ZDHHC11	1.14741	0.872978	1.30158	1.38762	1.82981	1.27725	zinc finger DHHC-type containing 11 [Source:HGNC Symbol;Acc:H	chr5:79572	NM_02478	XM_01151	.	.	NP_07906	XP_005248	protein_co	ENSG0000	79844	19158
ZDHHC11B	0.325615	0.270574	0.193149	0.307807	0.454503	0.315178	zinc finger DHHC-type containing 11B [Source:HGNC Symbol;Acc:	chr5:71192	.	.	.	.	.	.	protein_co	ENSG0000	.	32962
ZDHHC12	45.7927	42.442	37.6195	58.4687	46.2671	37.3719	zinc finger DHHC-type containing 12 [Source:HGNC Symbol;Acc:H	chr9:13146	NM_00131	XM_01151	.	.	NP_00130	XP_011517	protein_co	ENSG0000	84885	19159
ZDHHC13	14.1577	14.0669	12.9575	13.8141	16.5666	17.5332	zinc finger DHHC-type containing 13 [Source:HGNC Symbol;Acc:H	chr11:1913	NM_00100	XM_01152	.	.	NP_00100	XP_005253	protein_co	ENSG0000	54503	18413
ZDHHC14	3.64349	3.63018	4.17096	2.6377	2.79335	2.29513	zinc finger DHHC-type containing 14 [Source:HGNC Symbol;Acc:H	chr6:15780	NM_02463	XM_01153	.	.	NP_07890	XP_011534	protein_co	ENSG0000	79683	20341
ZDHHC15	0	0	0	0	0	0	zinc finger DHHC-type containing 15 [Source:HGNC Symbol;Acc:H	chrX:74588	NM_00114	XM_00672	.	.	NP_00113	XP_006724	protein_co	ENSG0000	158866	20342
ZDHHC16	30.6981	26.0336	23.9048	28.6043	23.7215	18.5201	zinc finger DHHC-type containing 16 [Source:HGNC Symbol;Acc:H	chr10:9920	NM_00128	XM_01701	.	.	NP_00127	XP_006718	protein_co	ENSG0000	84287	20714
ZDHHC17	5.99925	5.77385	5.94874	4.19184	5.39576	6.61951	zinc finger DHHC-type containing 17 [Source:HGNC Symbol;Acc:H	chr12:7715	NM_01533	XM_01153	.	.	NP_05615	XP_005268	protein_co	ENSG0000	23390	18412
ZDHHC18	12.601	13.7312	10.8625	13.9938	12.5215	10.1381	zinc finger DHHC-type containing 18 [Source:HGNC Symbol;Acc:H	chr1:27153	NM_03228	.	.	.	NP_11565	.	protein_co	ENSG0000	84243	20712
ZDHHC19	0	0	0	0.08314	0	0	zinc finger DHHC-type containing 19 [Source:HGNC Symbol;Acc:H	chr3:19592	NM_00103	XM_01151	.	.	NP_00103	XP_005269	protein_co	ENSG0000	131540	20713
ZDHHC2	10.2245	11.6893	12.9748	13.6912	14.4963	13.5825	zinc finger DHHC-type containing 2 [Source:HGNC Symbol;Acc:HG	chr8:17013	NM_01635	XM_01154	.	.	NP_05743	XP_011542	protein_co	ENSG0000	51201	18469
ZDHHC20	20.5407	20.7171	24.2671	25.6543	28.2977	37.1127	zinc finger DHHC-type containing 20 [Source:HGNC Symbol;Acc:H	chr13:2194	NM_00128	XM_01702	.	.	NP_00127	XP_006719	protein_co	ENSG0000	253832	20749
ZDHHC21	1.72881	1.89762	2.34565	1.37115	1.65277	2.07591	zinc finger DHHC-type containing 21 [Source:HGNC Symbol;Acc:H	chr9:14611	NM_17856	XM_01701	.	.	NP_84866	XP_006716	protein_co	ENSG0000	340481	20750
ZDHHC22	0.045282	0.046071	0.03911	0	0.051844	0	zinc finger DHHC-type containing 22 [Source:HGNC Symbol;Acc:H	chr14:7759	NM_17497	XM_01153	.	.	NP_77763	XP_006720	protein_co	ENSG0000	283576	20106
ZDHHC23	8.75178	8.32928	9.11348	5.61997	7.48642	5.85179	zinc finger DHHC-type containing 23 [Source:HGNC Symbol;Acc:H	chr3:11366	NM_17357	XM_01151	.	.	NP_00130	XP_005247	protein_co	ENSG0000	254887	28654
ZDHHC24	4.0269	4.39502	5.42191	4.38287	2.97594	3.48321	zinc finger DHHC-type containing 24 [Source:HGNC Symbol;Acc:H	chr11:6624	NM_20734	.	.	.	NP_99722	XP_005273	protein_co	ENSG0000	254359	27387
ZDHHC3	23.288	24.2142	23.9499	28.6244	24.619	22.3371	zinc finger DHHC-type containing 3 [Source:HGNC Symbol;Acc:HG	chr3:44966	NM_00113	XM_00671	.	.	NP_00112	XP_006713	protein_co	ENSG0000	51304	18470
ZDHHC4	40.8113	43.381	35.2487	42.8413	37.4091	40.9545	zinc finger DHHC-type containing 4 [Source:HGNC Symbol;Acc:HG	chr7:66170	NM_00113	XM_00671	.	.	NP_00112	XP_005249	protein_co	ENSG0000	55146	18471
ZDHHC5	34.5109	35.5003	32.7748	37.8836	35.5985	30.6004	zinc finger DHHC-type containing 5 [Source:HGNC Symbol;Acc:HG	chr11:5743	NM_01545	XM_01154	.	.	NP_05627	XP_011543	protein_co	ENSG0000	25921	18472
ZDHHC6	62.2648	59.8102	63.2801	59.1586	67.2674	66.4059	zinc finger DHHC-type containing 6 [Source:HGNC Symbol;Acc:HG	chr10:1141	NM_00130	XM_01701	.	.	NP_00129	XP_005270	protein_co	ENSG0000	64429	19160
ZDHHC7	29.516	29.4278	27.6855	23.8826	26.8038	23.6061	zinc finger DHHC-type containing 7 [Source:HGNC Symbol;Acc:HG	chr16:8500	NM_00114	XM_01152	.	.	NP_00113	XP_011521	protein_co	ENSG0000	55625	18459
ZDHHC8	23.1798	21.2732	26.9839	21.5334	19.072	15.6732	zinc finger DHHC-type containing 8 [Source:HGNC Symbol;Acc:HG	chr22:2011	NM_00118	XM_00672	.	.	NP_00117	XP_006724	protein_co	ENSG0000	29801	18474
ZDHHC9	11.8214	12.0497	13.1904	9.63525	10.3028	10.5955	zinc finger DHHC-type containing 9 [Source:HGNC Symbol;Acc:HG	chrX:12893	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	51114	18475
ZEB1	0.608793	0.720569	0.649524	0.4428	0.751302	0.523558	zinc finger E-box binding homeobox 1 [Source:HGNC Symbol;Acc:	chr10:3160	NM_00112	XM_00525	.	.	NP_00112	.	protein_co	ENSG0000	6935	11642
ZEB2	0	0	0.037433	0	0	0	zinc finger E-box binding homeobox 2 [Source:HGNC Symbol;Acc:	chr2:14514	NM_00117	XM_01151	.	.	NP_00116	XP_006712	protein_co	ENSG0000	9839	14881
ZER1	6.21052	7.38501	7.98912	6.3166	5.04162	7.45899	zyg-11 related cell cycle regulator [Source:HGNC Symbol;Acc:HGN	chr9:13149	NM_00633	XM_01701	.	.	NP_00632	XP_005251	protein_co	ENSG0000	10444	30960
ZFAND1	60.4165	52.9936	64.9459	49.1343	55.5544	82.9926	zinc finger AN1-type containing 1 [Source:HGNC Symbol;Acc:HGN	chr8:82613	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	79752	25858
ZFAND2A	20.1469	18.4063	9.79878	22.3739	16.3364	9.33899	zinc finger AN1-type containing 2A [Source:HGNC Symbol;Acc:HG	chr7:11917	NM_18249	.	.	.	NP_87229	XP_016868	protein_co	ENSG0000	90637	28073
ZFAND2B	18.6504	18.2445	13.8323	16.6761	13.0395	12.2019	zinc finger AN1-type containing 2B [Source:HGNC Symbol;Acc:HG	chr2:22007	NM_00127	XM_01700	.	.	NP_00125	XP_006712	protein_co	ENSG0000	130617	25206
ZFAND3	20.4916	20.302	24.2223	17.4025	17.82	28.0503	zinc finger AN1-type containing 3 [Source:HGNC Symbol;Acc:HGN	chr6:37787	NM_02194	XM_01151	.	.	NP_06876	XP_005249	protein_co	ENSG0000	60685	18019
ZFAND4	3.57499	3.25888	2.8345	3.04504	3.5468	4.02149	zinc finger AN1-type containing 4 [Source:HGNC Symbol;Acc:HGN	chr10:4611	NM_00112	XM_01154	.	.	NP_00112	XP_005271	protein_co	ENSG0000	93550	23504
ZFAND5	63.7536	61.775	58.5397	65.0551	69.3035	72.2179	zinc finger AN1-type containing 5 [Source:HGNC Symbol;Acc:HGN	chr9:74966	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	7763	13008
ZFAND6	36.6637	36.7272	43.1769	38.9794	41.5183	43.8884	zinc finger AN1-type containing 6 [Source:HGNC Symbol;Acc:HGN	chr15:8035	NM_00124	XM_01152	.	.	NP_00122	XP_011519	protein_co	ENSG0000	54469	30164
ZFAT	1.52738	1.92081	1.57937	1.64738	1.70664	1.50187	zinc finger and AT-hook domain containing [Source:HGNC Symbo	chr8:13549	NM_00102	XM_01151	.	.	NP_00102	XP_011515	protein_co	ENSG0000	57623	19899
ZFC3H1	8.5284	8.42063	8.40151	5.57048	7.79393	6.45547	zinc finger C3H1-type containing [Source:HGNC Symbol;Acc:HGN	chr12:7200	NM_14498	.	.	.	NP_65941	.	protein_co	ENSG0000	196441	28328
ZFHX2	0.37751	0.502216	0.428321	0.244056	0.281723	0.329429	zinc finger homeobox 2 [Source:HGNC Symbol;Acc:HGNC:20152]	chr14:2399	NM_03340	XM_01702	.	.	NP_20764	XP_011535	protein_co	ENSG0000	85446	20152
ZFHX3	1.74319	2.19417	1.52683	1.33082	1.55805	1.62192	zinc finger homeobox 3 [Source:HGNC Symbol;Acc:HGNC:777]	chr16:7281	NM_00116	XM_00525	.	.	NP_00115	XP_005256	protein_co	ENSG0000	463	777
ZFHX4	2.41373	2.61144	2.56691	1.5994	1.98168	2.10401	zinc finger homeobox 4 [Source:HGNC Symbol;Acc:HGNC:30939]	chr8:77593	NM_02472	XM_01151	.	.	NP_07899	XP_011515	protein_co	ENSG0000	79776	30939
ZFP1	8.55374	8.01317	6.93038	8.35166	8.6244	7.25807	ZFP1 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:23328]	chr16:7518	NM_00131	XM_01702	.	.	NP_00130	XP_005255	protein_co	ENSG0000	162239	23328
ZFP14	0.905228	1.02531	0.794269	1.06518	1.24006	1.12029	ZFP14 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:29312	chr19:3682	NM_00129	XM_01702	.	.	NP_00128	XP_016882	protein_co	ENSG0000	57677	29312
ZFP2	0.697376	0.544837	0.469246	0.183064	0.238245	0.411094	ZFP2 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:26138]	chr5:17832	NM_03061	.	.	.	NP_08511	.	protein_co	ENSG0000	80108	26138
ZFP28	0	0	0	0	0	0	ZFP28 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:17801	chr19:5705	NM_00130	XM_01152	.	.	NP_00129	XP_011524	protein_co	ENSG0000	140612	17801
ZFP3	0.015295	0.016246	0.01328	0	0	0.015135	ZFP3 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:12861]	chr17:4981	NM_15301	.	.	.	NP_69456	.	protein_co	ENSG0000	124961	12861
ZFP30	1.79883	1.73357	1.63946	2.21356	1.94881	2.48832	ZFP30 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:29555	chr19:3804	NM_00132	XM_01152	.	.	NP_00130	XP_011524	protein_co	ENSG0000	22835	29555
ZFP36	36.9824	38.8546	42.0416	27.3054	25.6849	32.5231	ZFP36 ring finger protein [Source:HGNC Symbol;Acc:HGNC:12862	chr19:3989	NM_00340	.	.	.	NP_00339	.	protein_co	ENSG0000	7538	12862
ZFP36L1	82.894	92.5137	112.667	76.1343	79.2281	93.4795	ZFP36 ring finger protein like 1 [Source:HGNC Symbol;Acc:HGNC:	chr14:6925	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	677	1107
ZFP36L2	16.7829	18.5958	16.6579	12.6931	14.7455	14.9093	ZFP36 ring finger protein like 2 [Source:HGNC Symbol;Acc:HGNC:	chr2:43449	NM_00688	.	.	.	NP_00881	.	protein_co	ENSG0000	678	1108
ZFP37	0.903798	1.48814	0.573425	0.735604	0.956074	1.48624	ZFP37 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:12863	chr9:11580	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	7539	12863
ZFP41	3.22133	4.35274	4.61696	4.68701	4.35031	3.42981	ZFP41 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:26786	chr8:14432	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	286128	26786
ZFP42	0.03661	0.076785	0.159121	0.123317	0.246644	0.221581	ZFP42 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:30949	chr4:18891	NM_00130	XM_01153	.	.	NP_00129	XP_011529	protein_co	ENSG0000	132625	30949
ZFP57	0	0	0	0	0	0	ZFP57 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:18791	chr6:29640	NM_00110	XM_01151	.	.	NP_00110	XP_011512	protein_co	ENSG0000	346171	18791
ZFP62	9.56827	10.2434	9.00196	7.01333	9.25137	9.44702	ZFP62 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:23241	chr5:18027	NM_00117	XM_01700	.	.	NP_00116	XP_016865	protein_co	ENSG0000	643836	23241
ZFP64	6.05406	8.45142	7.22688	5.78863	6.17728	6.12306	ZFP64 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:15940	chr20:5066	NM_00131	XM_01702	.	.	NP_00130	XP_005260	protein_co	ENSG0000	55734	15940
ZFP69	0.058187	0	0.020128	0	0	0.023312	ZFP69 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:24708	chr1:40942	NM_00132	XM_00671	.	.	NP_00130	XP_005270	protein_co	ENSG0000	339559	24708

ZFP69B	0.290513	0.259325	0.32084	0.335302	0.337655	0.336896	ZFP69 zinc finger protein B [Source:HGNC Symbol;Acc:HGNC:280	chr1:40915	NM_02307	XM_01700	.	.	NP_07555	XP_005271	protein_co	ENSG0000	65243	28053
ZFP82	0	0	0.024022	0	0	0	ZFP82 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:28682	chr19:3688	NM_13346	XM_00525	.	.	NP_00130	.	protein_co	ENSG0000	284406	28682
ZFP90	8.10038	8.32582	8.41786	5.15219	7.35937	9.53928	ZFP90 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:23329	chr16:6857	NM_00130	XM_01702	.	.	NP_00129	XP_005255	protein_co	ENSG0000	146198	23329
ZFP91	28.3253	28.5951	28.2603	28.964	33.3658	36.7844	ZFP91 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:14983	chr11:5834	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	80829	14983
ZFP92	0	0	0	0	0.01516	0	ZFP92 zinc finger protein [Source:HGNC Symbol;Acc:HGNC:12865	chrX:15268	NM_00113	XM_01702	.	.	NP_00112	XP_005274	protein_co	ENSG0000	139735	12865
ZFPL1	25.7318	23.6448	21.7469	22.7593	18.9374	19.1389	zinc finger protein like 1 [Source:HGNC Symbol;Acc:HGNC:12868]	chr11:6485	NM_00678	.	.	.	NP_00677	.	protein_co	ENSG0000	7542	12868
ZFPM1	2.7358	3.78451	3.27743	3.37588	2.7133	3.36763	zinc finger protein, FOG family member 1 [Source:HGNC Symbol;	chr16:8851	NM_15381	XM_01152	.	.	NP_72252	XP_011521	protein_co	ENSG0000	161882	19762
ZFPM2	0	0	0	0	0	0	zinc finger protein, FOG family member 2 [Source:HGNC Symbol;	chr8:10633	NM_01208	XM_01151	.	.	NP_03621	XP_011515	protein_co	ENSG0000	23414	16700
ZFR	31.7762	30.6175	28.6049	33.929	37.5997	35.719	zinc finger RNA binding protein [Source:HGNC Symbol;Acc:HGNC:	chr5:32354	NM_01610	.	.	.	NP_05719	.	protein_co	ENSG0000	51663	17277
ZFR2	0.018597	0	0.031832	0	0	0.062863	zinc finger RNA binding protein 2 [Source:HGNC Symbol;Acc:HGN	chr19:3804	NM_00114	XM_01152	.	.	NP_00113	XP_011526	protein_co	ENSG0000	23217	29189
ZFX	6.24809	6.63462	5.44826	5.7423	6.63995	6.05127	zinc finger protein, X-linked [Source:HGNC Symbol;Acc:HGNC:128	chrX:24167	NM_00117	XM_01702	.	.	NP_00117	XP_005274	protein_co	ENSG0000	7543	12869
ZFY	0.24712	0.183556	0.267005	0.03389	0.033568	0.088694	zinc finger protein, Y-linked [Source:HGNC Symbol;Acc:HGNC:128	chrY:28033	NM_00114	XM_01703	.	.	NP_00113	XP_005262	protein_co	ENSG0000	7544	12870
ZFYVE1	3.13588	3.54107	3.8197	2.39611	2.22661	3.25631	zinc finger FYVE-type containing 1 [Source:HGNC Symbol;Acc:HG	chr14:7343	NM_00128	XM_01153	.	.	NP_00126	XP_011535	protein_co	ENSG0000	53349	13180
ZFYVE16	6.17375	6.07795	7.00639	4.91187	7.17108	8.14843	zinc finger FYVE-type containing 16 [Source:HGNC Symbol;Acc:H	chr5:79703	NM_00110	XM_01701	.	.	NP_00109	XP_005248	protein_co	ENSG0000	9765	20756
ZFYVE19	12.069	10.3907	11.0107	9.44583	7.69759	9.26689	zinc finger FYVE-type containing 19 [Source:HGNC Symbol;Acc:H	chr15:4105	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	84936	20758
ZFYVE21	29.4562	27.8418	29.6973	37.6317	32.3091	29.7362	zinc finger FYVE-type containing 21 [Source:HGNC Symbol;Acc:H	chr14:1041	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	79038	20760
ZFYVE26	3.69206	3.27886	3.02785	2.93897	2.90572	2.31805	zinc finger FYVE-type containing 26 [Source:HGNC Symbol;Acc:H	chr14:6821	NM_01534	XM_01702	.	.	NP_05616	XP_016876	protein_co	ENSG0000	23503	20761
ZFYVE27	11.0587	12.2057	10.4769	10.9077	9.52785	8.26754	zinc finger FYVE-type containing 27 [Source:HGNC Symbol;Acc:H	chr10:9949	NM_00100	XM_01701	.	.	NP_00100	XP_005269	protein_co	ENSG0000	118813	26559
ZFYVE28	4.49324	4.36835	6.01162	3.35629	4.74287	6.4644	zinc finger FYVE-type containing 28 [Source:HGNC Symbol;Acc:H	chr4:22713	NM_00117	XM_01151	.	.	NP_00116	XP_006713	protein_co	ENSG0000	57732	29334
ZFYVE9	6.25178	6.76656	6.63878	5.93612	6.91676	7.94527	zinc finger FYVE-type containing 9 [Source:HGNC Symbol;Acc:HG	chr1:52607	NM_00479	XM_01154	.	.	NP_00479	XP_011540	protein_co	ENSG0000	9372	6775
ZG16	0	0	0	0	0	0	zymogen granule protein 16 [Source:HGNC Symbol;Acc:HGNC:30	chr16:2978	NM_15233	XM_01154	.	.	NP_68955	XP_011544	protein_co	ENSG0000	653808	30961
ZG16B	0	0	0	0	0	0	zymogen granule protein 16B [Source:HGNC Symbol;Acc:HGNC:3	chr16:2880	NM_14525	.	.	.	NP_66029	.	protein_co	ENSG0000	124220	30456
ZGLP1	1.353	1.47706	1.66546	2.91476	2.7253	1.12489	zinc finger, GATA-like protein 1 [Source:HGNC Symbol;Acc:HGNC:	chr19:1041	NM_00110	.	.	.	NP_00109	.	protein_co	ENSG0000	100125288	37245
ZGPAT	14.0193	14.4942	14.5348	14.3286	12.446	8.93245	zinc finger CCCH-type and G-patch domain containing [Source:H	chr20:6232	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	84619	15948
ZGRF1	4.79227	4.24478	6.46762	3.43234	5.45907	4.02237	zinc finger GRF-type containing 1 [Source:HGNC Symbol;Acc:HGN	chr4:11346	NM_01839	XM_01700	.	.	NP_06086	XP_005263	protein_co	ENSG0000	55345	25654
ZHX1	7.83635	8.25386	7.00255	4.91109	6.84693	6.53197	zinc fingers and homeoboxes 1 [Source:HGNC Symbol;Acc:HGNC:	chr8:12423	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	11244	12871
ZHX1-C8orf76	4.67262	3.805	3.15554	3.26348	1.53615	3.50571	ZHX1-C8orf76 readthrough [Source:HGNC Symbol;Acc:HGNC:429	chr8:12423	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	100533106	42975
ZHX2	3.12024	3.42277	2.97787	3.86304	3.57775	3.37328	zinc fingers and homeoboxes 2 [Source:HGNC Symbol;Acc:HGNC:	chr8:12379	NM_01494	XM_01151	.	.	NP_05575	XP_005250	protein_co	ENSG0000	22882	18513
ZHX3	2.6846	2.96927	3.65898	1.26682	1.57075	1.89241	zinc fingers and homeoboxes 3 [Source:HGNC Symbol;Acc:HGNC:	chr20:3980	NM_01503	XM_01702	.	.	NP_05585	XP_005260	protein_co	ENSG0000	23051	15935
ZIC1	0	0	0	0	0	0	Zic family member 1 [Source:HGNC Symbol;Acc:HGNC:12872]	chr3:14712	NM_00341	.	.	.	NP_00340	.	protein_co	ENSG0000	7545	12872
ZIC2	14.6966	14.5783	15.2765	15.4879	16.5951	17.5737	Zic family member 2 [Source:HGNC Symbol;Acc:HGNC:12873]	chr13:1006	NM_00712	.	.	.	NP_00906	.	protein_co	ENSG0000	7546	12873
ZIC3	0	0	0	0	0	0	Zic family member 3 [Source:HGNC Symbol;Acc:HGNC:12874]	chrX:13664	NM_00341	XM_01702	.	.	NP_00340	XP_016885	protein_co	ENSG0000	7547	12874
ZIC4	0	0	0	0.027329	0	0	Zic family member 4 [Source:HGNC Symbol;Acc:HGNC:20393]	chr3:14710	NM_00116	XM_01151	NR_03311	.	NP_00116	XP_011511	protein_co	ENSG0000	84107	20393
ZIC5	6.31858	5.71526	6.31326	7.98551	7.7141	8.94637	Zic family member 5 [Source:HGNC Symbol;Acc:HGNC:20322]	chr13:1006	NM_03313	.	.	.	NP_14912	.	protein_co	ENSG0000	85416	20322
ZIK1	0	0	0	0	0	0	zinc finger protein interacting with K protein 1 [Source:HGNC Sym	chr19:5809	NM_00101	XM_01152	.	.	NP_00101	XP_005258	protein_co	ENSG0000	284307	33104
ZIM2	0	0	0	0	0	0	zinc finger imprinted 2 [Source:HGNC Symbol;Acc:HGNC:12875]	chr19:5728	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	23619	12875
ZIM3	0	0	0	0	0	0	zinc finger imprinted 3 [Source:HGNC Symbol;Acc:HGNC:16366]	chr19:5764	NM_05288	.	.	.	NP_44311	.	protein_co	ENSG0000	114026	16366
ZKSCAN1	14.4263	14.7395	16.6759	11.6888	15.0974	18.4617	zinc finger with KRAB and SCAN domains 1 [Source:HGNC Symbo	chr7:99613	NM_00128	XM_01151	.	.	NP_00127	XP_011514	protein_co	ENSG0000	7586	13101
ZKSCAN2	3.69849	4.50093	3.94885	3.75735	4.18624	4.39671	zinc finger with KRAB and SCAN domains 2 [Source:HGNC Symbo	chr16:2524	NM_00101	XM_01702	.	.	NP_00101	XP_016878	protein_co	ENSG0000	342357	25677
ZKSCAN3	5.9408	6.2352	5.17741	6.59518	5.90004	6.39054	zinc finger with KRAB and SCAN domains 3 [Source:HGNC Symbo	chr6:28292	NM_00124	XM_00671	.	.	NP_00122	XP_006715	protein_co	ENSG0000	80317	13853
ZKSCAN4	3.32289	3.60914	2.89379	2.54153	2.6087	3.14453	zinc finger with KRAB and SCAN domains 4 [Source:HGNC Symbo	chr6:28212	NM_01911	XM_01151	.	.	NP_06198	XP_005249	protein_co	ENSG0000	387032	13854
ZKSCAN5	6.49159	6.018	6.49149	6.60526	6.81782	7.51046	zinc finger with KRAB and SCAN domains 5 [Source:HGNC Symbo	chr7:99102	NM_00131	XM_01701	.	.	NP_00130	XP_006715	protein_co	ENSG0000	23660	12867
ZKSCAN7	0	0	0	0	0	0	zinc finger with KRAB and SCAN domains 7 [Source:HGNC Symbo	chr3:44596	NM_00128	XM_01153	.	.	NP_00127	.	protein_co	ENSG0000	55888	12955
ZKSCAN8	9.14454	9.99413	10.7899	6.46548	9.91575	9.66675	zinc finger with KRAB and SCAN domains 8 [Source:HGNC Symbo	chr6:28109	NM_00127	XM_01701	.	.	NP_00126	XP_011513	protein_co	ENSG0000	7745	12983
ZMAT1	0.555249	0.541352	1.20914	0.40483	0.447001	1.25438	zinc finger matrin-type 1 [Source:HGNC Symbol;Acc:HGNC:29377	chrX:10113	NM_00101	.	.	.	NP_00101	XP_005262	protein_co	ENSG0000	84460	29377
ZMAT2	51.5441	46.7457	43.4016	56.9117	53.2754	49.4392	zinc finger matrin-type 2 [Source:HGNC Symbol;Acc:HGNC:26433	chr5:14007	NM_14472	.	.	.	NP_65332	.	protein_co	ENSG0000	153527	26433
ZMAT3	6.34092	5.84764	9.80162	5.17717	5.54144	6.65001	zinc finger matrin-type 3 [Source:HGNC Symbol;Acc:HGNC:29983	chr3:17873	NM_02247	XM_01151	.	.	NP_07191	XP_005247	protein_co	ENSG0000	64393	29983
ZMAT4	0	0	0	0	0	0	zinc finger matrin-type 4 [Source:HGNC Symbol;Acc:HGNC:25844	chr8:40388	NM_00113	XM_01154	.	.	NP_00112	.	protein_co	ENSG0000	79698	25844
ZMAT5	15.9897	17.1818	12.0934	15.5874	10.9192	13.6586	zinc finger matrin-type 5 [Source:HGNC Symbol;Acc:HGNC:28046	chr22:3011	NM_00100	XM_00526	.	.	NP_00100	XP_005261	protein_co	ENSG0000	55954	28046
ZMIZ1	8.90979	9.4311	9.03819	7.38218	7.96843	8.45745	zinc finger MIZ-type containing 1 [Source:HGNC Symbol;Acc:HGN	chr10:8082	NM_02033	XM_01153	.	.	NP_06507	XP_005270	protein_co	ENSG0000	57178	16493
ZMIZ2	24.2105	23.8089	29.1715	19.5525	18.8768	15.7188	zinc finger MIZ-type containing 2 [Source:HGNC Symbol;Acc:HGN	chr7:44788	NM_00130	XM_01151	.	.	NP_00128	XP_005249	protein_co	ENSG0000	83637	22229
ZMPSTE24	30.6981	30.1086	26.4676	29.5472	35.4612	29.7495	zinc metallopeptidase STE24 [Source:HGNC Symbol;Acc:HGNC:12	chr1:40723	NM_00585	XM_01154	.	.	NP_00584	.	protein_co	ENSG0000	10269	12877
ZMYM1	4.90218	5.89585	6.36283	5.22255	8.56831	8.40687	zinc finger MYM-type containing 1 [Source:HGNC Symbol;Acc:HG	chr1:35525	NM_00128	XM_01154	.	.	NP_00127	XP_011540	protein_co	ENSG0000	79830	26253
ZMYM2	7.53215	6.23182	7.81523	4.79565	6.87751	9.11282	zinc finger MYM-type containing 2 [Source:HGNC Symbol;Acc:HG	chr13:2053	NM_00119	XM_01153	.	.	NP_00117	XP_005266	protein_co	ENSG0000	7750	12989
ZMYM3	11.6128	13.6403	13.0364	14.0886	13.6731	11.837	zinc finger MYM-type containing 3 [Source:HGNC Symbol;Acc:HG	chrX:70459	NM_00117	XM_01153	.	.	NP_00116	XP_005262	protein_co	ENSG0000	9203	13054
ZMYM4	14.7678	15.2269	16.8544	14.5782	16.4955	18.9081	zinc finger MYM-type containing 4 [Source:HGNC Symbol;Acc:HG	chr1:35734	NM_00509	XM_01700	.	.	NP_00508	XP_005271	protein_co	ENSG0000	9202	13055
ZMYM5	4.52132	3.27309	4.26279	2.42881	3.98986	5.1347	zinc finger MYM-type containing 5 [Source:HGNC Symbol;Acc:HG	chr13:2039	NM_00103	XM_00671	.	.	NP_00103	XP_005266	protein_co	ENSG0000	9205	13029
ZMYM6	5.42995	6.57312	6.98769	5.3595	6.18489	6.4415	zinc finger MYM-type containing 6 [Source:HGNC Symbol;Acc:HG	chr1:35452	NM_00716	.	.	.	NP_00909	.	protein_co	ENSG0000	9204	13050
ZMYND10	0.714381	0.551928	0.616034	0.94044	0.827425	0.824567	zinc finger MYND-type containing 10 [Source:HGNC Symbol;Acc:H	chr3:50378	NM_00130	XM_01153	.	.	NP_00129	XP_005265	protein_co	ENSG0000	51364	19412

ZMYND11	13.6923	13.7789	10.4934	14.5844	15.491	12.9796	zinc finger MYND-type containing 11 [Source:HGNC Symbol;Acc:H	chr10:1804	NM_00120	XM_01701	.	.		NP_00118	XP_005252	protein_co	ENSG0000	10771	16966
ZMYND12	0.458312	0.385161	0.671073	0.718571	0.459344	0.461867	zinc finger MYND-type containing 12 [Source:HGNC Symbol;Acc:H	chr1:42899	NM_00114	.	.	.		NP_00113	.	protein_co	ENSG0000	84217	21192
ZMYND15	1.39211	0.790499	1.23458	1.04483	1.10366	0.814889	zinc finger MYND-type containing 15 [Source:HGNC Symbol;Acc:H	chr17:4643	NM_00113	.	.	.		NP_00112	.	protein_co	ENSG0000	84225	20997
ZMYND19	43.9457	45.0734	36.6896	56.2871	46.8737	31.635	zinc finger MYND-type containing 19 [Source:HGNC Symbol;Acc:H	chr9:14047	NM_13846	.	.	.		NP_61247	.	protein_co	ENSG0000	116225	21146
ZMYND8	9.08913	8.64804	7.87322	8.20138	7.70262	7.48465	zinc finger MYND-type containing 8 [Source:HGNC Symbol;Acc:H	chr20:4583	NM_00128	XM_01702	.	.		NP_00126	XP_005260	protein_co	ENSG0000	23613	9397
ZNF10	0	0	0	0	0	0	zinc finger protein 10 [Source:HGNC Symbol;Acc:HGNC:12879]	chr12:1337	NM_01539	.	.	.		NP_05620	.	protein_co	ENSG0000	7556	12879
ZNF100	3.32827	3.81774	3.16782	3.62639	5.45262	4.22283	zinc finger protein 100 [Source:HGNC Symbol;Acc:HGNC:12880]	chr19:2190	NM_17353	XM_01152	.	.		NP_77580	XP_011526	protein_co	ENSG0000	163227	12880
ZNF101	6.47217	5.46763	5.37334	7.43995	6.28749	5.90202	zinc finger protein 101 [Source:HGNC Symbol;Acc:HGNC:12881]	chr19:1977	NM_00130	XM_00672	.	.		NP_00128	.	protein_co	ENSG0000	94039	12881
ZNF106	7.10874	7.37725	8.60969	6.86006	7.74362	8.07281	zinc finger protein 106 [Source:HGNC Symbol;Acc:HGNC:12886]	chr15:4270	NM_00128	XM_00525	.	.		NP_00127	XP_005254	protein_co	ENSG0000	64397	12886
ZNF107	2.77881	2.24232	2.93981	2.80101	5.01629	3.77891	zinc finger protein 107 [Source:HGNC Symbol;Acc:HGNC:12887]	chr7:64126	NM_00101	XM_01701	.	.		NP_00101	XP_016867	protein_co	ENSG0000	51427	12887
ZNF112	2.09729	2.13329	1.50304	1.27954	1.83113	2.09623	zinc finger protein 112 [Source:HGNC Symbol;Acc:HGNC:12892]	chr19:4483	NM_00108	.	.	.		NP_00107	.	protein_co	ENSG0000	7771	12892
ZNF114	2.41712	2.42614	1.75395	2.34212	2.9114	2.7259	zinc finger protein 114 [Source:HGNC Symbol;Acc:HGNC:12894]	chr19:4867	NM_00130	XM_01702	.	.		NP_00128	XP_011524	protein_co	ENSG0000	163071	12894
ZNF117	1.52534	1.49145	1.59693	1.182	1.85943	2.21525	zinc finger protein 117 [Source:HGNC Symbol;Acc:HGNC:12897]	chr7:64432	NM_01585	.	.	.		NP_05693	.	protein_co	ENSG0000	51351	12897
ZNF12	10.2702	9.42379	8.45764	9.14024	10.2285	10.6652	zinc finger protein 12 [Source:HGNC Symbol;Acc:HGNC:12902]	chr7:67280	NM_00695	.	.	.		NP_00888	.	protein_co	ENSG0000	7559	12902
ZNF121	28.9886	29.0696	32.7834	26.9085	36.8627	33.0362	zinc finger protein 121 [Source:HGNC Symbol;Acc:HGNC:12904]	chr19:9671	NM_00100	XM_01152	.	.		NP_00100	XP_005260	protein_co	ENSG0000	7675	12904
ZNF124	6.33211	7.026	5.02705	8.03425	9.40312	8.22995	zinc finger protein 124 [Source:HGNC Symbol;Acc:HGNC:12907]	chr1:24728	NM_00124	XM_00671	.	.		NP_00123	XP_005273	protein_co	ENSG0000	7678	12907
ZNF131	17.743	17.5919	16.047	14.8689	16.6232	15.3987	zinc finger protein 131 [Source:HGNC Symbol;Acc:HGNC:12915]	chr5:43121	NM_00129	XM_01700	.	.		NP_00128	XP_005248	protein_co	ENSG0000	7690	12915
ZNF132	0.0452	0	0.019637	0.025124	0.051025	0	zinc finger protein 132 [Source:HGNC Symbol;Acc:HGNC:12916]	chr19:5894	NM_00343	.	.	.		NP_00342	.	protein_co	ENSG0000	7691	12916
ZNF133	6.89025	6.9893	6.74604	5.3903	4.72967	5.46014	zinc finger protein 133 [Source:HGNC Symbol;Acc:HGNC:12917]	chr20:1826	NM_00108	XM_01702	.	.		NP_00107	XP_005260	protein_co	ENSG0000	7692	12917
ZNF134	4.12951	5.90105	5.06344	6.65896	7.33854	5.42061	zinc finger protein 134 [Source:HGNC Symbol;Acc:HGNC:12918]	chr19:5812	NM_00343	.	.	.		NP_00342	.	protein_co	ENSG0000	7693	12918
ZNF135	0	0	0	0	0	0	zinc finger protein 135 [Source:HGNC Symbol;Acc:HGNC:12919]	chr19:5857	NM_00116	XM_01152	.	.		NP_00115	XP_005259	protein_co	ENSG0000	7694	12919
ZNF136	2.13486	1.85579	1.86365	2.31934	2.61806	2.27511	zinc finger protein 136 [Source:HGNC Symbol;Acc:HGNC:12920]	chr19:1227	NM_00343	XM_01152	.	.		NP_00342	XP_011526	protein_co	ENSG0000	7695	12920
ZNF138	6.26615	5.46805	6.98791	6.14644	8.50692	7.43354	zinc finger protein 138 [Source:HGNC Symbol;Acc:HGNC:12922]	chr7:64254	NM_00116	.	.	.		NP_00115	.	protein_co	ENSG0000	7697	12922
ZNF14	3.28584	3.38244	2.83876	2.88799	3.48943	3.77873	zinc finger protein 14 [Source:HGNC Symbol;Acc:HGNC:12924]	chr19:1982	NM_02103	.	.	.		NP_06635	.	protein_co	ENSG0000	7561	12924
ZNF140	0	0	0	0	0	0	zinc finger protein 140 [Source:HGNC Symbol;Acc:HGNC:12925]	chr12:1336	NM_00130	XM_01701	.	.		NP_00128	XP_005266	protein_co	ENSG0000	7699	12925
ZNF141	0.044285	0	0.019279	0	0.048937	0.042633	zinc finger protein 141 [Source:HGNC Symbol;Acc:HGNC:12926]	chr4:33160	NM_00344	.	.	.		NP_00343	.	protein_co	ENSG0000	7700	12926
ZNF142	6.83682	6.72317	6.13384	6.95094	6.89834	4.82453	zinc finger protein 142 [Source:HGNC Symbol;Acc:HGNC:12927]	chr2:21950	NM_00110	XM_01151	.	.		NP_00109	XP_006712	protein_co	ENSG0000	7701	12927
ZNF143	7.52854	7.41131	7.6991	13.3065	13.6353	15.0135	zinc finger protein 143 [Source:HGNC Symbol;Acc:HGNC:12928]	chr11:9482	NM_00128	XM_01701	.	.		NP_00126	XP_005253	protein_co	ENSG0000	7702	12928
ZNF146	64.0936	61.4404	61.2111	56.1768	74.9341	74.9216	zinc finger protein 146 [Source:HGNC Symbol;Acc:HGNC:12931]	chr19:3667	NM_00109	XM_01702	.	.		NP_00109	XP_005259	protein_co	ENSG0000	7705	12931
ZNF148	9.15458	8.9385	9.28987	8.45788	11.4369	10.0986	zinc finger protein 148 [Source:HGNC Symbol;Acc:HGNC:12933]	chr3:12494	NM_02196	.	.	.		NP_06879	.	protein_co	ENSG0000	7707	12933
ZNF154	0.013393	0	0	0	0	0	zinc finger protein 154 [Source:HGNC Symbol;Acc:HGNC:12939]	chr19:5819	NM_00108	.	.	.		NP_00107	.	protein_co	ENSG0000	7710	12939
ZNF155	1.40252	0.814273	1.01569	0.928413	0.923917	1.10262	zinc finger protein 155 [Source:HGNC Symbol;Acc:HGNC:12940]	chr19:4448	NM_00126	XM_01152	.	.		NP_00124	XP_005259	protein_co	ENSG0000	7711	12940
ZNF157	0	0	0	0	0	0	zinc finger protein 157 [Source:HGNC Symbol;Acc:HGNC:12942]	chrX:47229	NM_00344	.	.	.		NP_00343	.	protein_co	ENSG0000	7712	12942
ZNF16	7.9821	7.89104	6.56925	8.9564	8.01078	8.35337	zinc finger protein 16 [Source:HGNC Symbol;Acc:HGNC:12947]	chr8:14615	NM_00102	XM_01151	.	.		NP_00102	XP_005272	protein_co	ENSG0000	7564	12947
ZNF160	7.12446	7.00485	6.49091	5.38319	6.54362	7.02196	zinc finger protein 160 [Source:HGNC Symbol;Acc:HGNC:12948]	chr19:5356	NM_00110	XM_01152	.	.		NP_00109	XP_005259	protein_co	ENSG0000	90338	12948
ZNF165	9.42019	8.68334	4.47561	10.585	9.36807	5.75377	zinc finger protein 165 [Source:HGNC Symbol;Acc:HGNC:12953]	chr6:28048	NM_00344	.	.	.		NP_00343	XP_016866	protein_co	ENSG0000	7718	12953
ZNF169	2.85437	2.09343	2.57282	2.7074	2.56862	2.50693	zinc finger protein 169 [Source:HGNC Symbol;Acc:HGNC:12957]	chr9:97021	NM_00130	XM_01151	.	.		NP_00128	XP_011516	protein_co	ENSG0000	169841	12957
ZNF17	3.23295	2.06446	2.51165	2.20592	3.33681	2.66475	zinc finger protein 17 [Source:HGNC Symbol;Acc:HGNC:12958]	chr19:5787	NM_00695	XM_00672	.	.		NP_00889	XP_006723	protein_co	ENSG0000	7565	12958
ZNF174	6.09083	5.65955	5.41588	6.63938	5.68809	4.49246	zinc finger protein 174 [Source:HGNC Symbol;Acc:HGNC:12963]	chr16:3451	NM_00103	XM_01152	.	.		NP_00102	XP_011520	protein_co	ENSG0000	7727	12963
ZNF175	3.18452	3.05106	3.31239	2.20664	2.3557	3.63443	zinc finger protein 175 [Source:HGNC Symbol;Acc:HGNC:12964]	chr19:5207	NM_00714	XM_00525	.	.		NP_00907	XP_016882	protein_co	ENSG0000	7728	12964
ZNF177	1.81055	1.2887	0.962312	1.22496	1.56129	1.5501	zinc finger protein 177 [Source:HGNC Symbol;Acc:HGNC:12966]	chr19:9434	NM_00117	.	.	.		NP_00116	.	protein_co	ENSG0000	7730	12966
ZNF18	4.59527	4.21082	4.33772	4.35485	3.37623	4.73493	zinc finger protein 18 [Source:HGNC Symbol;Acc:HGNC:12969]	chr17:1188	NM_00130	XM_01152	.	.		NP_00129	XP_011522	protein_co	ENSG0000	7566	12969
ZNF180	6.2611	7.27057	5.74754	7.2861	7.59201	6.63626	zinc finger protein 180 [Source:HGNC Symbol;Acc:HGNC:12970]	chr19:4497	NM_00127	XM_01702	.	.		NP_00126	XP_011525	protein_co	ENSG0000	7733	12970
ZNF181	3.9538	3.0221	2.87312	2.474	2.48977	2.99611	zinc finger protein 181 [Source:HGNC Symbol;Acc:HGNC:12971]	chr19:3522	NM_00102	XM_01152	.	.		NP_00102	XP_005258	protein_co	ENSG0000	339318	12971
ZNF182	3.26629	3.66788	3.9255	3.20976	3.35866	3.70849	zinc finger protein 182 [Source:HGNC Symbol;Acc:HGNC:13001]	chrX:47834	NM_00100	.	.	.		NP_00100	.	protein_co	ENSG0000	7569	13001
ZNF184	4.90893	5.05057	4.36603	5.61856	6.65938	6.53962	zinc finger protein 184 [Source:HGNC Symbol;Acc:HGNC:12975]	chr6:27418	NM_00131	XM_01151	.	.		NP_00130	XP_005249	protein_co	ENSG0000	7738	12975
ZNF185	7.57957	8.7264	8.96793	8.67735	8.90101	10.4526	zinc finger protein 185 (LIM domain) [Source:HGNC Symbol;Acc:H	chrX:15208	NM_00117	XM_01153	.	.		NP_00117	XP_005274	protein_co	ENSG0000	7739	12976
ZNF189	7.58418	7.62244	5.93046	6.10573	7.39854	6.6815	zinc finger protein 189 [Source:HGNC Symbol;Acc:HGNC:12980]	chr9:10416	NM_00127	XM_01701	.	.		NP_00126	XP_006717	protein_co	ENSG0000	7743	12980
ZNF19	1.81295	2.02349	1.66186	1.81024	1.76098	1.40638	zinc finger protein 19 [Source:HGNC Symbol;Acc:HGNC:12981]	chr16:7149	NM_00696	.	.	.		NP_00889	.	protein_co	ENSG0000	7567	12981
ZNF195	20.7073	20.7922	16.917	18.9955	20.7186	19.6901	zinc finger protein 195 [Source:HGNC Symbol;Acc:HGNC:12986]	chr11:3360	NM_00113	XM_01701	.	.		NP_00112	XP_006718	protein_co	ENSG0000	7748	12986
ZNF197	9.25676	10.5383	9.54643	9.3182	11.1838	12.0038	zinc finger protein 197 [Source:HGNC Symbol;Acc:HGNC:12988]	chr3:44666	NM_00102	XM_00526	.	.		NP_00102	XP_005264	protein_co	ENSG0000	10168	12988
ZNF2	3.69696	3.44317	3.42279	2.86331	3.2481	3.11986	zinc finger protein 2 [Source:HGNC Symbol;Acc:HGNC:12991]	chr2:95831	NM_00101	.	.	.		NP_00101	.	protein_co	ENSG0000	7549	12991
ZNF20	0.559922	0.471596	0.781188	0.025765	0	0	zinc finger protein 20 [Source:HGNC Symbol;Acc:HGNC:12992]	chr19:1220	NM_00120	.	.	.		NP_00119	.	protein_co	ENSG0000	7568	12992
ZNF200	5.91314	7.17692	6.10407	7.94163	6.3443	6.89332	zinc finger protein 200 [Source:HGNC Symbol;Acc:HGNC:12993]	chr16:3272	NM_00114	XM_01702	.	.		NP_00113	XP_005255	protein_co	ENSG0000	7752	12993
ZNF202	7.07293	7.13077	7.21713	6.77081	6.8332	6.3377	zinc finger protein 202 [Source:HGNC Symbol;Acc:HGNC:12994]	chr11:1235	NM_00130	XM_01154	.	.		NP_00128	XP_005271	protein_co	ENSG0000	7753	12994
ZNF205	12.9319	11.8185	9.9006	11.5226	13.2916	10.6522	zinc finger protein 205 [Source:HGNC Symbol;Acc:HGNC:12996]	chr16:3162	NM_00104	XM_00525	.	.		NP_00103	XP_005255	protein_co	ENSG0000	7755	12996
ZNF207	84.4177	77.9986	83.4516	89.6786	88.8697	83.0366	zinc finger protein 207 [Source:HGNC Symbol;Acc:HGNC:12998]	chr17:3067	NM_00103	XM_01152	NR_03036	.		NP_00102	XP_011523	protein_co	ENSG0000	693217	12998
ZNF208	0	0	0	0	0	0	zinc finger protein 208 [Source:HGNC Symbol;Acc:HGNC:12999]	chr19:2211	NM_00715	XM_01702	.	.		NP_00908	XP_016882	protein_co	ENSG0000	7757	12999
ZNF211	5.39728	5.44555	5.87353	4.72907	5.36763	6.44034	zinc finger protein 211 [Source:HGNC Symbol;Acc:HGNC:13003]	chr19:5814	NM_00126	.	.	.		NP_00125	.	protein_co	ENSG0000	10520	13003

ZNF212	7.22157	6.75439	7.08987	6.96569	6.40614	6.33139	zinc finger protein 212 [Source:HGNC Symbol;Acc:HGNC:13004]	chr7:14893	NM_01225	XM_01701	.	.	NP_03638	XP_00525	protein_co	ENSG0000	7988	13004
ZNF213	5.30472	5.85388	4.72458	5.08634	4.68633	4.99883	zinc finger protein 213 [Source:HGNC Symbol;Acc:HGNC:13005]	chr16:3184	NM_00113	XM_01152	.	.	NP_00112	XP_01152	protein_co	ENSG0000	7760	13005
ZNF214	0.619431	1.01822	0.868376	0.792736	0.856317	0.9348	zinc finger protein 214 [Source:HGNC Symbol;Acc:HGNC:13006]	chr11:7020	NM_01324	XM_01152	.	.	NP_03738	XP_00525	protein_co	ENSG0000	7761	13006
ZNF215	5.94614	6.04103	6.07649	5.03434	6.28106	5.50316	zinc finger protein 215 [Source:HGNC Symbol;Acc:HGNC:13007]	chr11:6947	NM_01325	XM_01152	.	.	NP_03738	XP_00671	protein_co	ENSG0000	7762	13007
ZNF217	8.62971	8.96034	10.4684	6.45339	7.10254	9.40074	zinc finger protein 217 [Source:HGNC Symbol;Acc:HGNC:13009]	chr20:5218	NM_00652	XM_01702	.	.	NP_00651	XP_00526	protein_co	ENSG0000	7764	13009
ZNF219	9.88894	10.478	11.6235	8.14362	7.60483	8.59848	zinc finger protein 219 [Source:HGNC Symbol;Acc:HGNC:13011]	chr14:2148	NM_00110	XM_00672	.	.	NP_00109	XP_00526	protein_co	ENSG0000	51222	13011
ZNF22	10.883	9.55977	10.8234	13.1352	13.8794	14.9013	zinc finger protein 22 [Source:HGNC Symbol;Acc:HGNC:13012]	chr10:4549	NM_00696	.	.	.	NP_00889	.	protein_co	ENSG0000	7570	13012
ZNF221	1.35374	1.52106	1.57188	1.12103	1.55125	1.87999	zinc finger protein 221 [Source:HGNC Symbol;Acc:HGNC:13014]	chr19:4445	NM_00129	.	.	.	NP_00128	XP_01688	protein_co	ENSG0000	7638	13014
ZNF222	4.94004	4.18733	3.05718	3.48238	3.61843	3.92196	zinc finger protein 222 [Source:HGNC Symbol;Acc:HGNC:13015]	chr19:4452	NM_00112	.	.	.	NP_00112	XP_00525	protein_co	ENSG0000	7673	13015
ZNF223	0	0.154508	0	0.030481	0.060532	0	zinc finger protein 223 [Source:HGNC Symbol;Acc:HGNC:13016]	chr19:4455	NM_01336	.	.	.	NP_03749	XP_01688	protein_co	ENSG0000	7766	13016
ZNF224	4.62152	4.20881	4.12361	2.6045	3.29045	4.53881	zinc finger protein 224 [Source:HGNC Symbol;Acc:HGNC:13017]	chr19:4459	NM_00132	XM_01702	.	.	NP_00130	XP_00525	protein_co	ENSG0000	7767	13017
ZNF225	2.35661	2.04794	2.11117	2.55122	2.18109	2.91413	zinc finger protein 225 [Source:HGNC Symbol;Acc:HGNC:13018]	chr19:4461	NM_00132	XM_01152	.	.	NP_00130	XP_00525	protein_co	ENSG0000	7768	13018
ZNF226	9.1434	8.54092	7.85694	6.57591	5.84641	6.80761	zinc finger protein 226 [Source:HGNC Symbol;Acc:HGNC:13019]	chr19:4466	NM_00103	XM_01702	.	.	NP_00102	XP_00525	protein_co	ENSG0000	7769	13019
ZNF227	9.17162	9.07567	6.84299	7.34052	10.2637	9.34382	zinc finger protein 227 [Source:HGNC Symbol;Acc:HGNC:13020]	chr19:4471	NM_00128	XM_01702	.	.	NP_00127	XP_00525	protein_co	ENSG0000	7770	13020
ZNF229	0	0	0	0	0	0	zinc finger protein 229 [Source:HGNC Symbol;Acc:HGNC:13022]	chr19:4493	NM_00127	XM_01702	.	.	NP_00126	XP_00672	protein_co	ENSG0000	7772	13022
ZNF23	7.54757	7.37234	6.23368	5.74093	6.73503	7.37077	zinc finger protein 23 [Source:HGNC Symbol;Acc:HGNC:13023]	chr16:7148	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	7571	13023
ZNF230	1.47886	1.55113	1.43335	1.79642	1.7546	1.55881	zinc finger protein 230 [Source:HGNC Symbol;Acc:HGNC:13024]	chr19:4450	NM_00630	XM_01152	.	.	NP_00629	XP_01152	protein_co	ENSG0000	7773	13024
ZNF232	5.91403	6.12382	4.42878	5.68526	5.31842	5.09606	zinc finger protein 232 [Source:HGNC Symbol;Acc:HGNC:13026]	chr17:5008	NM_01451	XM_01702	.	.	NP_00130	XP_00525	protein_co	ENSG0000	7775	13026
ZNF233	0.229196	0.104281	0.034403	0.198347	0.152994	0.195383	zinc finger protein 233 [Source:HGNC Symbol;Acc:HGNC:30946]	chr19:4471	NM_00120	XM_01702	.	.	NP_00119	XP_01688	protein_co	ENSG0000	353355	30946
ZNF234	1.21369	1.56181	0.886954	0.831039	1.5501	1.17177	zinc finger protein 234 [Source:HGNC Symbol;Acc:HGNC:13027]	chr19:4464	NM_00114	XM_01152	.	.	NP_00113	XP_00672	protein_co	ENSG0000	10780	13027
ZNF235	3.01249	2.04578	2.47226	1.95381	1.70764	2.29595	zinc finger protein 235 [Source:HGNC Symbol;Acc:HGNC:12866]	chr19:4471	NM_00423	XM_00525	.	.	NP_00422	XP_00525	protein_co	ENSG0000	9310	12866
ZNF236	2.69444	2.46929	2.56338	1.57221	1.74042	2.28719	zinc finger protein 236 [Source:HGNC Symbol;Acc:HGNC:13028]	chr18:7453	NM_00130	XM_01152	.	.	NP_00129	XP_00526	protein_co	ENSG0000	7776	13028
ZNF239	3.94748	3.96912	2.62754	3.06955	3.29318	2.67177	zinc finger protein 239 [Source:HGNC Symbol;Acc:HGNC:13031]	chr10:4405	NM_00109	XM_01154	.	.	NP_00109	XP_00527	protein_co	ENSG0000	8187	13031
ZNF24	26.3366	26.5832	24.5031	26.9796	32.2003	33.155	zinc finger protein 24 [Source:HGNC Symbol;Acc:HGNC:13032]	chr18:3291	NM_00130	XM_00525	.	.	NP_00129	XP_00525	protein_co	ENSG0000	7572	13032
ZNF248	3.56753	3.07069	3.28524	2.22303	2.78969	2.26438	zinc finger protein 248 [Source:HGNC Symbol;Acc:HGNC:13041]	chr10:3811	NM_00126	XM_01701	.	.	NP_00125	XP_00671	protein_co	ENSG0000	57209	13041
ZNF25	1.93877	1.64687	1.70755	1.42087	1.40942	2.71209	zinc finger protein 25 [Source:HGNC Symbol;Acc:HGNC:13043]	chr10:3823	NM_00132	XM_01151	.	.	NP_00131	XP_00525	protein_co	ENSG0000	219749	13043
ZNF250	4.11337	4.45752	4.88408	5.37258	4.37024	4.32122	zinc finger protein 250 [Source:HGNC Symbol;Acc:HGNC:13044]	chr8:14610	NM_00110	XM_01151	.	.	NP_00110	XP_00527	protein_co	ENSG0000	58500	13044
ZNF251	11.6648	11.0123	10.5884	8.59039	10.1059	9.12968	zinc finger protein 251 [Source:HGNC Symbol;Acc:HGNC:13045]	chr8:14594	NM_13836	.	.	.	NP_61237	.	protein_co	ENSG0000	90987	13045
ZNF253	0	0.033773	0.027411	0	0	0	zinc finger protein 253 [Source:HGNC Symbol;Acc:HGNC:13497]	chr19:1997	NM_02104	XM_01152	.	.	NP_06638	XP_01152	protein_co	ENSG0000	56242	13497
ZNF254	0.881113	1.27628	0.684075	1.17175	1.45836	1.52524	zinc finger protein 254 [Source:HGNC Symbol;Acc:HGNC:13047]	chr19:2421	NM_00127	XM_01702	.	.	NP_00126	XP_00672	protein_co	ENSG0000	9534	13047
ZNF256	0	0	0	0	0	0	zinc finger protein 256 [Source:HGNC Symbol;Acc:HGNC:13049]	chr19:5845	NM_00577	XM_01702	.	.	NP_00576	XP_01688	protein_co	ENSG0000	10172	13049
ZNF257	0	0	0	0.107201	0	0	zinc finger protein 257 [Source:HGNC Symbol;Acc:HGNC:13498]	chr19:2223	NM_00131	.	.	.	NP_00130	.	protein_co	ENSG0000	113835	13498
ZNF26	1.44553	1.79197	1.20762	1.42496	1.29815	1.39958	zinc finger protein 26 [Source:HGNC Symbol;Acc:HGNC:13053]	chr12:1335	NM_00125	XM_01153	.	.	NP_00124	XP_00526	protein_co	ENSG0000	7574	13053
ZNF260	0	0	0	0	0	0	zinc finger protein 260 [Source:HGNC Symbol;Acc:HGNC:13499]	chr19:3700	NM_00101	XM_01152	.	.	NP_00101	XP_01152	protein_co	ENSG0000	339324	13499
ZNF263	21.4417	20.7596	18.9093	24.4233	22.1817	19.7695	zinc finger protein 263 [Source:HGNC Symbol;Acc:HGNC:13056]	chr16:3313	NM_00574	XM_01152	.	.	NP_00573	XP_00672	protein_co	ENSG0000	10127	13056
ZNF264	9.48664	9.45341	5.57967	7.11244	7.00779	6.26983	zinc finger protein 264 [Source:HGNC Symbol;Acc:HGNC:13057]	chr19:5770	NM_00341	XM_00672	.	.	NP_00340	XP_00672	protein_co	ENSG0000	9422	13057
ZNF266	7.00304	6.9836	5.79769	7.22203	7.29475	6.89582	zinc finger protein 266 [Source:HGNC Symbol;Acc:HGNC:13059]	chr19:9523	NM_00127	XM_01702	.	.	NP_00125	XP_00525	protein_co	ENSG0000	10781	13059
ZNF267	7.2262	6.51701	4.10127	7.52739	7.81365	7.55219	zinc finger protein 267 [Source:HGNC Symbol;Acc:HGNC:13060]	chr16:3188	NM_00341	.	.	.	NP_00125	XP_01687	protein_co	ENSG0000	10308	13060
ZNF268	6.08152	5.91924	4.9948	4.8367	6.66114	6.57472	zinc finger protein 268 [Source:HGNC Symbol;Acc:HGNC:13061]	chr12:1337	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	10795	13061
ZNF273	2.96153	2.72687	2.48779	3.18959	4.3477	3.83824	zinc finger protein 273 [Source:HGNC Symbol;Acc:HGNC:13067]	chr7:64363	NM_02114	XM_01701	.	.	NP_06697	XP_01686	protein_co	ENSG0000	10793	13067
ZNF274	5.71147	5.54652	4.43249	4.9886	5.27888	5.36982	zinc finger protein 274 [Source:HGNC Symbol;Acc:HGNC:13068]	chr19:5869	NM_00127	XM_01152	.	.	NP_00126	XP_01152	protein_co	ENSG0000	10782	13068
ZNF275	5.78593	6.18891	6.51293	5.96645	7.77674	8.14208	zinc finger protein 275 [Source:HGNC Symbol;Acc:HGNC:13069]	chrX:15259	NM_00108	XM_00527	NR_13565	.	NP_00107	XP_00527	protein_co	ENSG0000	10537337	13069
ZNF276	14.2201	12.1665	17.3924	10.3381	8.20048	9.59369	zinc finger protein 276 [Source:HGNC Symbol;Acc:HGNC:23330]	chr16:8977	NM_00111	XM_01152	.	.	NP_00110	XP_00525	protein_co	ENSG0000	92822	23330
ZNF277	7.375	7.60615	9.88165	7.62434	9.24228	13.1364	zinc finger protein 277 [Source:HGNC Symbol;Acc:HGNC:13070]	chr7:11184	NM_02199	XM_01151	.	.	NP_06883	XP_00525	protein_co	ENSG0000	11179	13070
ZNF28	5.142	5.34004	5.64996	6.26776	6.6639	6.84118	zinc finger protein 28 [Source:HGNC Symbol;Acc:HGNC:13073]	chr19:5330	NM_00696	XM_01152	.	.	NP_00890	XP_00672	protein_co	ENSG0000	7576	13073
ZNF280A	1.13282	0.961781	1.06904	1.05976	1.47511	1.32523	zinc finger protein 280A [Source:HGNC Symbol;Acc:HGNC:18597]	chr22:2286	NM_08074	.	.	.	NP_54277	.	protein_co	ENSG0000	129025	18597
ZNF280B	3.86149	2.72945	3.53118	2.70841	3.6956	3.78189	zinc finger protein 280B [Source:HGNC Symbol;Acc:HGNC:23022]	chr22:2283	NM_08076	XM_01152	.	.	NP_54294	XP_01152	protein_co	ENSG0000	140883	23022
ZNF280C	4.50231	5.09023	5.29705	3.99495	5.73902	5.88591	zinc finger protein 280C [Source:HGNC Symbol;Acc:HGNC:25955]	chrX:12933	NM_01766	XM_01153	.	.	NP_06013	XP_00672	protein_co	ENSG0000	55609	25955
ZNF280D	7.15225	6.72054	7.97913	6.88815	7.78088	8.61672	zinc finger protein 280D [Source:HGNC Symbol;Acc:HGNC:25953]	chr15:5692	NM_00100	XM_01152	NR_01541	.	NP_00100	XP_00525	protein_co	ENSG0000	145783	25953
ZNF281	12.7958	13.4404	12.8863	12.5507	16.2272	19.3214	zinc finger protein 281 [Source:HGNC Symbol;Acc:HGNC:13075]	chr1:20037	NM_00128	XM_01700	.	.	NP_00126	XP_01685	protein_co	ENSG0000	23528	13075
ZNF282	13.8993	14.821	13.4982	14.7876	13.0927	12.7002	zinc finger protein 282 [Source:HGNC Symbol;Acc:HGNC:13076]	chr7:14889	NM_00130	XM_00671	.	.	NP_00129	XP_00671	protein_co	ENSG0000	8427	13076
ZNF283	4.38545	3.69241	4.18885	3.27836	3.8431	4.78303	zinc finger protein 283 [Source:HGNC Symbol;Acc:HGNC:13077]	chr19:4433	NM_00129	.	.	.	NP_00128	XP_00525	protein_co	ENSG0000	284349	13077
ZNF284	0	0	0	0	0	0	zinc finger protein 284 [Source:HGNC Symbol;Acc:HGNC:13078]	chr19:4457	NM_00103	XM_01152	.	.	NP_00103	XP_00525	protein_co	ENSG0000	342909	13078
ZNF285	0	0	0	0	0	0	zinc finger protein 285 [Source:HGNC Symbol;Acc:HGNC:13079]	chr19:4483	NM_00129	.	.	.	NP_00127	.	protein_co	ENSG0000	26974	13079
ZNF286A	5.67071	7.08739	7.30383	7.24878	9.85655	8.93184	zinc finger protein 286A [Source:HGNC Symbol;Acc:HGNC:13501]	chr17:1560	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	57335	13501
ZNF286B	0.713727	0.40481	0.758288	0.686856	0.960135	1.09968	zinc finger protein 286B [Source:HGNC Symbol;Acc:HGNC:33241]	chr17:1856	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	729288	33241
ZNF287	0	0	0.017947	0.023378	0	0.020206	zinc finger protein 287 [Source:HGNC Symbol;Acc:HGNC:13502]	chr17:1645	NM_02065	XM_01152	.	.	NP_06570	XP_01152	protein_co	ENSG0000	57336	13502
ZNF292	5.09349	4.58814	5.58551	4.18262	6.67476	6.72837	zinc finger protein 292 [Source:HGNC Symbol;Acc:HGNC:18410]	chr6:87862	NM_01502	XM_01701	.	.	NP_05583	XP_00524	protein_co	ENSG0000	23036	18410
ZNF296	6.01511	6.74069	6.35519	8.80704	6.78617	5.06645	zinc finger protein 296 [Source:HGNC Symbol;Acc:HGNC:15981]	chr19:4557	NM_14528	.	.	.	NP_66033	.	protein_co	ENSG0000	162979	15981

ZNF3	21.6068	22.1194	20.5767	24.8611	21.9729	20.4269	zinc finger protein 3 [Source:HGNC Symbol;Acc:HGNC:13089]	chr7:99647	NM_00127	XM_00671	.	.	NP_00126	XP_006716	protein_co	ENSG0000	7551	13089
ZNF30	1.71733	1.99441	1.45832	1.59285	2.08029	1.58472	zinc finger protein 30 [Source:HGNC Symbol;Acc:HGNC:13090]	chr19:3541	NM_00109	XM_01702	.	.	NP_00109	XP_011525	protein_co	ENSG0000	90075	13090
ZNF300	0	0	0.018591	0	0	0	zinc finger protein 300 [Source:HGNC Symbol;Acc:HGNC:13091]	chr5:15027	NM_00117	XM_01153	.	.	NP_00116	XP_006714	protein_co	ENSG0000	91975	13091
ZNF302	7.10099	7.49111	5.8309	4.39657	6.76516	6.78563	zinc finger protein 302 [Source:HGNC Symbol;Acc:HGNC:13848]	chr19:3516	NM_00101	XM_01702	.	.	NP_00101	XP_011525	protein_co	ENSG0000	55900	13848
ZNF304	4.84397	4.70574	3.97577	4.85847	4.65335	4.39943	zinc finger protein 304 [Source:HGNC Symbol;Acc:HGNC:13505]	chr19:5786	NM_00129	.	.	.	NP_00127	XP_011525	protein_co	ENSG0000	57343	13505
ZNF311	0	0	0	0	0	0	zinc finger protein 311 [Source:HGNC Symbol;Acc:HGNC:13847]	chr6:28962	NM_00101	XM_01151	.	.	NP_00101	XP_005249	protein_co	ENSG0000	282890	13847
ZNF316	10.0058	11.09	10.2481	11.0441	10.904	10.404	zinc finger protein 316 [Source:HGNC Symbol;Acc:HGNC:13843]	chr7:66769	NM_00127	XM_01151	.	.	NP_00126	XP_006715	protein_co	ENSG0000	100131017	13843
ZNF317	16.7009	18.1249	14.5503	17.297	16.1368	15.0505	zinc finger protein 317 [Source:HGNC Symbol;Acc:HGNC:13507]	chr19:9251	NM_00119	XM_00672	.	.	NP_00117	XP_006722	protein_co	ENSG0000	57693	13507
ZNF318	5.96752	6.30299	6.60908	6.45997	6.6066	6.45167	zinc finger protein 318 [Source:HGNC Symbol;Acc:HGNC:13578]	chr6:43303	NM_01434	.	.	.	NP_05516	XP_011512	protein_co	ENSG0000	24149	13578
ZNF319	3.95851	3.87756	3.90499	4.07684	3.57543	3.01868	zinc finger protein 319 [Source:HGNC Symbol;Acc:HGNC:13644]	chr16:5802	NM_02080	XM_00525	.	.	NP_06585	XP_005256	protein_co	ENSG0000	57567	13644
ZNF32	13.2401	10.0342	9.66441	11.1571	7.99069	8.99936	zinc finger protein 32 [Source:HGNC Symbol;Acc:HGNC:13095]	chr10:4413	NM_00100	XM_00527	.	.	NP_00100	XP_016872	protein_co	ENSG0000	7580	13095
ZNF320	3.992	3.30912	3.85379	4.02321	4.19878	4.30361	zinc finger protein 320 [Source:HGNC Symbol;Acc:HGNC:13842]	chr19:5337	NM_20733	XM_01702	.	.	NP_99721	XP_006723	protein_co	ENSG0000	162967	13842
ZNF322	3.2853	2.88613	2.65199	2.36519	3.00559	3.55662	zinc finger protein 322 [Source:HGNC Symbol;Acc:HGNC:23640]	chr6:26634	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	79692	23640
ZNF324	5.83097	4.40917	4.75722	6.09553	5.80897	4.55285	zinc finger protein 324 [Source:HGNC Symbol;Acc:HGNC:14096]	chr19:5897	NM_01434	.	.	.	NP_05516	XP_005258	protein_co	ENSG0000	25799	14096
ZNF324B	3.42426	4.2168	3.78142	3.10214	3.32309	3.02102	zinc finger protein 324B [Source:HGNC Symbol;Acc:HGNC:33107]	chr19:5896	NM_20739	XM_00525	.	.	NP_99727	XP_005258	protein_co	ENSG0000	388569	33107
ZNF326	16.2583	14.965	10.5322	13.5357	15.2752	9.77848	zinc finger protein 326 [Source:HGNC Symbol;Acc:HGNC:14104]	chr1:90460	NM_00132	XM_01154	.	.	NP_00130	XP_005270	protein_co	ENSG0000	284695	14104
ZNF329	1.67396	1.87595	1.57484	2.13722	2.26736	2.23863	zinc finger protein 329 [Source:HGNC Symbol;Acc:HGNC:14209]	chr19:5863	NM_02462	XM_01702	.	.	NP_07889	XP_006723	protein_co	ENSG0000	79673	14209
ZNF330	32.5408	31.7312	31.4842	33.4687	31.7668	28.2102	zinc finger protein 330 [Source:HGNC Symbol;Acc:HGNC:15462]	chr4:14214	NM_00129	XM_01153	.	.	NP_00127	XP_011530	protein_co	ENSG0000	27309	15462
ZNF331	0	0	0.031219	0	0	0	zinc finger protein 331 [Source:HGNC Symbol;Acc:HGNC:15489]	chr19:5402	NM_00107	XM_01152	.	.	NP_00107	XP_005259	protein_co	ENSG0000	55422	15489
ZNF333	2.90764	2.98854	2.527	1.91483	1.92993	2.98944	zinc finger protein 333 [Source:HGNC Symbol;Acc:HGNC:15624]	chr19:1480	NM_00130	XM_01152	.	.	NP_00128	XP_005260	protein_co	ENSG0000	84449	15624
ZNF334	0	0	0	0	0	0	zinc finger protein 334 [Source:HGNC Symbol;Acc:HGNC:15806]	chr20:4512	NM_00127	XM_01702	.	.	NP_00125	XP_006723	protein_co	ENSG0000	55713	15806
ZNF335	7.29089	6.87966	5.84658	6.8126	6.62723	4.99891	zinc finger protein 335 [Source:HGNC Symbol;Acc:HGNC:15807]	chr20:4457	NM_02209	XM_00526	.	.	NP_07137	XP_005260	protein_co	ENSG0000	63925	15807
ZNF337	8.70285	8.26395	8.12741	6.81706	7.18316	6.41414	zinc finger protein 337 [Source:HGNC Symbol;Acc:HGNC:15809]	chr20:2565	NM_00129	XM_01152	.	.	NP_00127	XP_006723	protein_co	ENSG0000	26152	15809
ZNF33A	7.60971	6.94381	7.15501	5.43624	7.07665	6.17421	zinc finger protein 33A [Source:HGNC Symbol;Acc:HGNC:13096]	chr10:3829	NM_00127	XM_01701	.	.	NP_00126	XP_011517	protein_co	ENSG0000	7581	13096
ZNF33B	4.92663	4.68431	4.26372	2.90059	3.71112	3.80686	zinc finger protein 33B [Source:HGNC Symbol;Acc:HGNC:13097]	chr10:4308	NM_00130	XM_00671	.	.	NP_00129	.	protein_co	ENSG0000	7582	13097
ZNF34	3.00003	2.75951	2.95276	2.17209	1.98289	2.02485	zinc finger protein 34 [Source:HGNC Symbol;Acc:HGNC:13098]	chr8:14599	NM_00128	XM_01701	.	.	NP_00127	XP_005272	protein_co	ENSG0000	80778	13098
ZNF341	1.69922	1.80074	1.88265	1.46068	1.57362	1.46721	zinc finger protein 341 [Source:HGNC Symbol;Acc:HGNC:15992]	chr20:3231	NM_00128	.	.	.	NP_00126	.	protein_co	ENSG0000	84905	15992
ZNF343	6.13275	6.25143	5.55977	5.32818	4.71153	4.06111	zinc finger protein 343 [Source:HGNC Symbol;Acc:HGNC:16017]	chr20:2462	NM_00128	XM_01702	.	.	NP_00126	XP_016883	protein_co	ENSG0000	79175	16017
ZNF345	0	0	0	0	0	0	zinc finger protein 345 [Source:HGNC Symbol;Acc:HGNC:16367]	chr19:3730	NM_00124	XM_01702	.	.	NP_00122	XP_011525	protein_co	ENSG0000	25850	16367
ZNF346	6.86821	6.41072	5.85204	6.96135	6.11629	5.73988	zinc finger protein 346 [Source:HGNC Symbol;Acc:HGNC:16403]	chr5:17644	NM_00130	XM_01700	.	.	NP_00129	XP_005265	protein_co	ENSG0000	23567	16403
ZNF347	0	0	0	0	0	0	zinc finger protein 347 [Source:HGNC Symbol;Acc:HGNC:16447]	chr19:5361	NM_00117	XM_01702	.	.	NP_00116	XP_005259	protein_co	ENSG0000	84671	16447
ZNF35	5.92227	4.80259	5.45128	6.03757	5.86968	5.95817	zinc finger protein 35 [Source:HGNC Symbol;Acc:HGNC:13099]	chr3:44690	NM_00342	XM_01700	.	.	NP_00341	XP_016862	protein_co	ENSG0000	7584	13099
ZNF350	1.53058	1.56478	1.16234	1.61332	2.08571	2.13739	zinc finger protein 350 [Source:HGNC Symbol;Acc:HGNC:16656]	chr19:5246	NM_02163	XM_01702	.	.	NP_06764	XP_011525	protein_co	ENSG0000	59348	16656
ZNF354A	7.71917	7.14425	8.93913	5.90458	8.36236	8.9416	zinc finger protein 354A [Source:HGNC Symbol;Acc:HGNC:11628]	chr5:17813	NM_00132	XM_01700	.	.	NP_00131	XP_011532	protein_co	ENSG0000	6940	11628
ZNF354B	2.39375	2.25958	2.25154	1.34191	1.98247	2.1976	zinc finger protein 354B [Source:HGNC Symbol;Acc:HGNC:17197]	chr5:17828	NM_05823	.	.	.	NP_47813	.	protein_co	ENSG0000	117608	17197
ZNF354C	0	0	0	0	0	0	zinc finger protein 354C [Source:HGNC Symbol;Acc:HGNC:16736]	chr5:17848	NM_01459	XM_00526	.	.	NP_05540	XP_005265	protein_co	ENSG0000	30832	16736
ZNF358	13.932	16.2824	16.6796	14.3984	10.2983	11.559	zinc finger protein 358 [Source:HGNC Symbol;Acc:HGNC:16838]	chr19:7562	NM_01808	XM_01702	.	.	NP_06055	XP_005272	protein_co	ENSG0000	140467	16838
ZNF362	4.27321	3.81944	3.2439	4.49759	3.68931	3.42978	zinc finger protein 362 [Source:HGNC Symbol;Acc:HGNC:18079]	chr1:33722	NM_15249	XM_01154	.	.	NP_68970	XP_005270	protein_co	ENSG0000	149076	18079
ZNF365	1.01609	1.15737	1.12705	1.05187	0.969499	1.1787	zinc finger protein 365 [Source:HGNC Symbol;Acc:HGNC:18194]	chr10:6413	NM_01495	XM_01153	.	.	NP_05576	XP_016871	protein_co	ENSG0000	22891	18194
ZNF366	0	0	0	0	0	0	zinc finger protein 366 [Source:HGNC Symbol;Acc:HGNC:18316]	chr5:71738	NM_15262	.	.	.	NP_68983	.	protein_co	ENSG0000	167465	18316
ZNF367	9.24253	10.147	7.96688	11.146	14.133	14.645	zinc finger protein 367 [Source:HGNC Symbol;Acc:HGNC:18320]	chr9:99148	NM_15369	.	.	.	NP_71016	.	protein_co	ENSG0000	195828	18320
ZNF37A	6.79791	7.17501	6.79991	4.19795	6.07379	5.13218	zinc finger protein 37A [Source:HGNC Symbol;Acc:HGNC:13102]	chr10:3838	NM_00100	XM_01151	.	.	NP_00100	XP_005252	protein_co	ENSG0000	7587	13102
ZNF382	0	0	0	0	0	0	zinc finger protein 382 [Source:HGNC Symbol;Acc:HGNC:17409]	chr19:3709	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	84911	17409
ZNF383	3.23642	2.90128	2.66944	2.19636	2.69688	3.08998	zinc finger protein 383 [Source:HGNC Symbol;Acc:HGNC:18609]	chr19:3770	NM_15260	XM_01152	.	.	NP_68981	XP_005258	protein_co	ENSG0000	163087	18609
ZNF384	23.8383	22.0138	19.3235	20.5385	19.1952	17.2727	zinc finger protein 384 [Source:HGNC Symbol;Acc:HGNC:11955]	chr12:6775	NM_00103	XM_01701	.	.	NP_00103	XP_011519	protein_co	ENSG0000	171017	11955
ZNF385A	16.9233	17.4931	19.503	23.1312	20.4072	15.2754	zinc finger protein 385A [Source:HGNC Symbol;Acc:HGNC:17521]	chr12:5476	NM_00113	XM_01153	.	.	NP_00112	XP_005268	protein_co	ENSG0000	25946	17521
ZNF385B	6.08236	6.69755	5.34564	2.2036	1.83246	2.38951	zinc finger protein 385B [Source:HGNC Symbol;Acc:HGNC:26332]	chr2:18030	NM_00111	XM_01151	NR_10423	.	NP_00110	XP_011509	protein_co	ENSG0000	151126	26332
ZNF385C	0.552033	0.737164	0.975525	0.79511	0.375935	0.721975	zinc finger protein 385C [Source:HGNC Symbol;Acc:HGNC:33722]	chr17:4011	NM_00124	XM_01152	.	.	NP_00122	XP_006721	protein_co	ENSG0000	201181	33722
ZNF385D	0	0	0	0	0	0	zinc finger protein 385D [Source:HGNC Symbol;Acc:HGNC:26191]	chr3:21453	NM_02469	XM_01153	.	.	NP_07897	XP_011532	protein_co	ENSG0000	79750	26191
ZNF391	0.520192	0.486654	0.470594	0.345938	0.453941	0.913065	zinc finger protein 391 [Source:HGNC Symbol;Acc:HGNC:18779]	chr6:27356	NM_00107	XM_01151	.	.	NP_00107	XP_005249	protein_co	ENSG0000	346157	18779
ZNF394	7.80166	8.08801	8.55557	7.08342	6.20128	6.41368	zinc finger protein 394 [Source:HGNC Symbol;Acc:HGNC:18832]	chr7:99070	NM_03216	XM_01701	.	.	NP_11554	XP_016868	protein_co	ENSG0000	84124	18832
ZNF395	13.5651	14.4984	15.7019	12.2759	12.9624	15.5874	zinc finger protein 395 [Source:HGNC Symbol;Acc:HGNC:18737]	chr8:28203	NM_01866	.	.	.	NP_06113	.	protein_co	ENSG0000	55893	18737
ZNF396	0.942778	1.04492	1.13575	0.497577	0.566513	0.595596	zinc finger protein 396 [Source:HGNC Symbol;Acc:HGNC:18824]	chr18:3294	NM_14575	XM_01152	.	.	NP_00130	XP_005258	protein_co	ENSG0000	252884	18824
ZNF397	13.4647	12.7176	11.9113	11.0713	13.6276	14.383	zinc finger protein 397 [Source:HGNC Symbol;Acc:HGNC:18818]	chr18:3282	NM_00113	XM_01152	.	.	NP_00112	XP_006722	protein_co	ENSG0000	84307	18818
ZNF398	5.84367	6.43986	6.70755	6.17196	7.48045	6.35171	zinc finger protein 398 [Source:HGNC Symbol;Acc:HGNC:18373]	chr7:14882	NM_02078	XM_01151	.	.	NP_06583	XP_011514	protein_co	ENSG0000	57541	18373
ZNF404	0.041923	0	0	0	0	0.039893	zinc finger protein 404 [Source:HGNC Symbol;Acc:HGNC:19417]	chr19:4437	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	342908	19417
ZNF407	2.03761	2.22046	1.97319	2.03111	2.46188	1.69869	zinc finger protein 407 [Source:HGNC Symbol;Acc:HGNC:19904]	chr18:7226	NM_00114	XM_01702	.	.	NP_00113	XP_005266	protein_co	ENSG0000	55628	19904
ZNF408	7.25081	6.91242	6.77288	8.11397	6.58175	5.3917	zinc finger protein 408 [Source:HGNC Symbol;Acc:HGNC:20041]	chr11:4672	NM_02474	.	.	.	NP_00117	.	protein_co	ENSG0000	79797	20041
ZNF41	5.03143	4.69707	4.4517	4.22703	4.24029	4.57099	zinc finger protein 41 [Source:HGNC Symbol;Acc:HGNC:13107]	chrX:47305	NM_00713	XM_01154	.	.	NP_00131	XP_005272	protein_co	ENSG0000	7592	13107

ZNF410	22.2936	23.3566	18.5886	23.9926	21.0813	21.5443	zinc finger protein 410 [Source:HGNC Symbol;Acc:HGNC:20144]	chr14:7431	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	57862	20144
ZNF414	7.07995	7.93789	6.91342	8.54639	7.9465	9.08675	zinc finger protein 414 [Source:HGNC Symbol;Acc:HGNC:20630]	chr19:8574	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	84330	20630
ZNF415	0	0	0	0	0	0	zinc finger protein 415 [Source:HGNC Symbol;Acc:HGNC:20636]	chr19:5361	NM_00113	XM_01702	.	.	NP_00112	XP_006723	protein_co	ENSG0000	55786	20636
ZNF416	3.01009	3.74869	2.51516	3.70055	3.18243	3.20879	zinc finger protein 416 [Source:HGNC Symbol;Acc:HGNC:20645]	chr19:5808	NM_01787	.	.	.	NP_06034	.	protein_co	ENSG0000	55659	20645
ZNF417	2.352	2.3612	2.18678	2.38898	2.23758	2.75661	zinc finger protein 417 [Source:HGNC Symbol;Acc:HGNC:20646]	chr19:5841	NM_00129	.	.	.	NP_00128	XP_016881	protein_co	ENSG0000	147687	20646
ZNF418	0	0	0	0	0	0	zinc finger protein 418 [Source:HGNC Symbol;Acc:HGNC:20647]	chr19:5843	NM_00131	XM_01702	.	.	NP_00130	XP_006723	protein_co	ENSG0000	147686	20647
ZNF419	1.72617	1.72884	1.17014	2.20293	1.39855	2.51675	zinc finger protein 419 [Source:HGNC Symbol;Acc:HGNC:20648]	chr19:5799	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	79744	20648
ZNF420	0	0	0	0	0	0	zinc finger protein 420 [Source:HGNC Symbol;Acc:HGNC:20649]	chr19:3756	NM_14468	XM_01702	.	.	NP_00131	XP_006723	protein_co	ENSG0000	147923	20649
ZNF423	0.053023	0.034891	0.045759	0.037746	0	0.019672	zinc finger protein 423 [Source:HGNC Symbol;Acc:HGNC:16762]	chr16:4952	NM_00127	XM_01702	.	.	NP_00125	XP_005255	protein_co	ENSG0000	23090	16762
ZNF425	0.964691	0.975719	1.33077	1.12517	0.806222	1.26212	zinc finger protein 425 [Source:HGNC Symbol;Acc:HGNC:20690]	chr7:14879	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	155054	20690
ZNF426	0.964648	1.0804	0.825705	1.86051	1.88196	1.96415	zinc finger protein 426 [Source:HGNC Symbol;Acc:HGNC:20725]	chr19:9633	NM_00130	.	.	.	NP_00128	XP_016882	protein_co	ENSG0000	79088	20725
ZNF428	20.183	22.2892	20.6286	32.8762	26.0107	21.6604	zinc finger protein 428 [Source:HGNC Symbol;Acc:HGNC:20804]	chr19:4410	NM_18249	XM_00525	.	.	NP_87230	XP_005258	protein_co	ENSG0000	126299	20804
ZNF429	0	0	0	0	0	0	zinc finger protein 429 [Source:HGNC Symbol;Acc:HGNC:20817]	chr19:2168	NM_00100	.	.	.	NP_00100	XP_016882	protein_co	ENSG0000	353088	20817
ZNF43	0	0	0	0	0	0	zinc finger protein 43 [Source:HGNC Symbol;Acc:HGNC:13109]	chr19:2198	NM_00125	XM_01702	.	.	NP_00124	XP_011526	protein_co	ENSG0000	7594	13109
ZNF430	3.37464	4.00899	2.83063	3.93988	4.74052	3.49796	zinc finger protein 430 [Source:HGNC Symbol;Acc:HGNC:20808]	chr19:2120	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	80264	20808
ZNF431	3.8368	3.63192	3.26643	3.03793	5.34029	3.95684	zinc finger protein 431 [Source:HGNC Symbol;Acc:HGNC:20809]	chr19:2132	NM_13347	XM_01152	.	.	NP_00130	XP_011526	protein_co	ENSG0000	170959	20809
ZNF432	0.143989	0.225194	0.065559	0.074038	0.099845	0.088773	zinc finger protein 432 [Source:HGNC Symbol;Acc:HGNC:20810]	chr19:5253	NM_00132	XM_01152	.	.	NP_00130	XP_011525	protein_co	ENSG0000	9668	20810
ZNF433	0	0	0	0	0	0	zinc finger protein 433 [Source:HGNC Symbol;Acc:HGNC:20811]	chr19:1212	NM_00108	XM_01152	.	.	NP_00107	XP_005259	protein_co	ENSG0000	163059	20811
ZNF436	6.93077	7.23201	5.96988	6.26441	8.35293	7.37418	zinc finger protein 436 [Source:HGNC Symbol;Acc:HGNC:20814]	chr1:23685	NM_00107	.	.	.	NP_00107	XP_011540	protein_co	ENSG0000	80818	20814
ZNF438	1.73374	1.61887	1.46953	1.00335	1.34992	1.86752	zinc finger protein 438 [Source:HGNC Symbol;Acc:HGNC:21029]	chr10:3113	NM_00114	XM_01701	.	.	NP_00113	XP_006717	protein_co	ENSG0000	220929	21029
ZNF439	0	0.055455	0.045416	0.029551	0	0.025572	zinc finger protein 439 [Source:HGNC Symbol;Acc:HGNC:20873]	chr19:1195	NM_15226	.	.	.	NP_68947	.	protein_co	ENSG0000	90594	20873
ZNF44	2.98913	2.52063	2.12968	3.44746	4.0337	3.35921	zinc finger protein 44 [Source:HGNC Symbol;Acc:HGNC:13110]	chr19:1238	NM_00116	XM_01702	.	.	NP_00115	XP_005259	protein_co	ENSG0000	51710	13110
ZNF440	5.46377	5.76993	5.57403	6.6539	7.64972	7.25183	zinc finger protein 440 [Source:HGNC Symbol;Acc:HGNC:20874]	chr19:1192	NM_15235	XM_00525	.	.	NP_68957	XP_005259	protein_co	ENSG0000	126070	20874
ZNF441	0.925831	0.592437	0.774329	0.451483	0.569505	0.645432	zinc finger protein 441 [Source:HGNC Symbol;Acc:HGNC:20875]	chr19:1187	NM_15235	.	.	.	NP_68956	.	protein_co	ENSG0000	126068	20875
ZNF442	0	0	0	0	0	0	zinc finger protein 442 [Source:HGNC Symbol;Acc:HGNC:20877]	chr19:1246	NM_03082	.	.	.	NP_11045	XP_006722	protein_co	ENSG0000	79973	20877
ZNF443	2.29795	2.20981	3.07007	3.2337	2.9466	2.92063	zinc finger protein 443 [Source:HGNC Symbol;Acc:HGNC:20878]	chr19:1250	NM_00581	.	.	.	NP_00580	XP_011525	protein_co	ENSG0000	10224	20878
ZNF444	15.1651	14.9614	14.3088	18.4448	13.6978	13.5731	zinc finger protein 444 [Source:HGNC Symbol;Acc:HGNC:16052]	chr19:5665	NM_00125	XM_01152	.	.	NP_00124	XP_005259	protein_co	ENSG0000	55311	16052
ZNF445	5.33335	5.65967	6.50712	4.95555	5.60129	6.28492	zinc finger protein 445 [Source:HGNC Symbol;Acc:HGNC:21018]	chr3:44462	NM_18148	XM_01700	.	.	NP_85246	XP_005265	protein_co	ENSG0000	353274	21018
ZNF446	2.87109	2.64023	2.4927	2.7565	2.68813	2.65765	zinc finger protein 446 [Source:HGNC Symbol;Acc:HGNC:21036]	chr19:5897	NM_01790	XM_00525	.	.	NP_06037	XP_005259	protein_co	ENSG0000	55663	21036
ZNF449	2.89228	2.58727	2.95392	1.7622	2.57452	3.30778	zinc finger protein 449 [Source:HGNC Symbol;Acc:HGNC:21039]	chrX:13447	NM_15269	XM_01153	.	.	NP_68990	XP_011529	protein_co	ENSG0000	203523	21039
ZNF45	5.84387	5.93587	5.0619	4.74986	5.59098	5.54376	zinc finger protein 45 [Source:HGNC Symbol;Acc:HGNC:13111]	chr19:4441	NM_00342	XM_01702	.	.	NP_00341	XP_011525	protein_co	ENSG0000	7596	13111
ZNF451	11.5294	11.1982	12.7626	10.197	13.8053	14.8266	zinc finger protein 451 [Source:HGNC Symbol;Acc:HGNC:21091]	chr6:56954	NM_00103	XM_01151	.	.	NP_00102	XP_005249	protein_co	ENSG0000	26036	21091
ZNF454	0	0.031452	0	0	0	0	zinc finger protein 454 [Source:HGNC Symbol;Acc:HGNC:21200]	chr5:17836	NM_00117	XM_00671	.	.	NP_00117	XP_006714	protein_co	ENSG0000	285676	21200
ZNF460	2.24186	1.89979	1.80766	1.26159	1.26789	2.1092	zinc finger protein 460 [Source:HGNC Symbol;Acc:HGNC:21628]	chr19:5779	NM_00663	XM_00525	.	.	NP_00662	XP_005258	protein_co	ENSG0000	10794	21628
ZNF461	0.506887	0.135095	0.222616	0.160345	0.23652	0.527338	zinc finger protein 461 [Source:HGNC Symbol;Acc:HGNC:21629]	chr19:3712	NM_00129	XM_01152	.	.	NP_00128	.	protein_co	ENSG0000	92283	21629
ZNF462	2.73711	3.07215	3.00541	2.38898	2.87943	2.85163	zinc finger protein 462 [Source:HGNC Symbol;Acc:HGNC:21684]	chr9:10962	NM_02122	XM_01151	.	.	NP_06704	XP_006717	protein_co	ENSG0000	58499	21684
ZNF467	3.61613	3.07791	4.09884	2.38087	2.39059	2.72021	zinc finger protein 467 [Source:HGNC Symbol;Acc:HGNC:23154]	chr7:14946	NM_20733	XM_01151	.	.	NP_99721	XP_005250	protein_co	ENSG0000	168544	23154
ZNF468	5.24912	5.65463	6.41067	6.56646	7.40583	6.97586	zinc finger protein 468 [Source:HGNC Symbol;Acc:HGNC:33105]	chr19:5330	NM_00100	XM_01702	.	.	NP_00100	XP_016882	protein_co	ENSG0000	90333	33105
ZNF469	2.23316	1.94259	2.49641	1.73171	1.68357	1.70393	zinc finger protein 469 [Source:HGNC Symbol;Acc:HGNC:23216]	chr16:8849	NM_00112	XM_01702	.	.	NP_00112	XP_011521	protein_co	ENSG0000	84627	23216
ZNF470	0	0	0	0	0	0	zinc finger protein 470 [Source:HGNC Symbol;Acc:HGNC:22220]	chr19:5707	NM_00100	XM_00672	.	.	NP_00100	XP_006723	protein_co	ENSG0000	388566	22220
ZNF471	0	0	0	0	0	0	zinc finger protein 471 [Source:HGNC Symbol;Acc:HGNC:23226]	chr19:5701	NM_00132	XM_01152	.	.	NP_00130	XP_011525	protein_co	ENSG0000	57573	23226
ZNF473	9.42068	9.08227	5.99471	7.27459	7.36297	6.89536	zinc finger protein 473 [Source:HGNC Symbol;Acc:HGNC:23239]	chr19:5047	NM_00100	XM_01152	.	.	NP_00100	XP_011525	protein_co	ENSG0000	25888	23239
ZNF474	0.114054	0.240796	0.164774	0.085535	0	0.038257	zinc finger protein 474 [Source:HGNC Symbol;Acc:HGNC:23245]	chr5:12146	NM_20731	.	.	.	NP_99720	.	protein_co	ENSG0000	133923	23245
ZNF479	0	0	0	0	0	0	zinc finger protein 479 [Source:HGNC Symbol;Acc:HGNC:23258]	chr7:57187	NM_03327	XM_01151	.	.	NP_15037	XP_005271	protein_co	ENSG0000	90827	23258
ZNF48	9.20907	9.76739	10.2592	12.4858	12.2336	10.6407	zinc finger protein 48 [Source:HGNC Symbol;Acc:HGNC:13114]	chr16:3040	NM_00121	.	.	.	NP_00120	.	protein_co	ENSG0000	197407	13114
ZNF480	6.15054	6.17796	5.61376	6.28043	9.05906	6.37542	zinc finger protein 480 [Source:HGNC Symbol;Acc:HGNC:23305]	chr19:5280	NM_00129	XM_01152	.	.	NP_00128	XP_011524	protein_co	ENSG0000	147657	23305
ZNF483	1.70958	1.89928	1.90736	1.4335	1.48305	1.73757	zinc finger protein 483 [Source:HGNC Symbol;Acc:HGNC:23384]	chr9:11428	NM_00100	XM_01701	.	.	NP_00100	XP_011516	protein_co	ENSG0000	158399	23384
ZNF484	2.55719	2.77386	2.89971	3.21455	3.65832	3.95285	zinc finger protein 484 [Source:HGNC Symbol;Acc:HGNC:23385]	chr9:95607	NM_00100	.	.	.	NP_00100	XP_006717	protein_co	ENSG0000	83744	23385
ZNF485	3.97007	3.58108	3.69008	3.6026	4.0057	3.38351	zinc finger protein 485 [Source:HGNC Symbol;Acc:HGNC:23440]	chr10:4410	NM_00131	XM_00671	.	.	NP_00130	XP_006717	protein_co	ENSG0000	220992	23440
ZNF486	0	0	0	0	0.022034	0	zinc finger protein 486 [Source:HGNC Symbol;Acc:HGNC:20807]	chr19:2027	NM_05285	.	.	.	NP_44308	.	protein_co	ENSG0000	90649	20807
ZNF487	0.673622	0.944509	0.967539	1.31223	1.17343	1.28248	zinc finger protein 487 [Source:HGNC Symbol;Acc:HGNC:23488]	chr10:4393	.	.	.	.	.	.	protein_co	ENSG0000	.	23488
ZNF488	1.43767	1.27122	1.52866	1.4236	1.48787	1.14433	zinc finger protein 488 [Source:HGNC Symbol;Acc:HGNC:23535]	chr10:4835	NM_15303	XM_01701	.	.	NP_69457	XP_005270	protein_co	ENSG0000	118738	23535
ZNF490	1.65844	1.66826	1.51191	1.09912	1.55502	1.69265	zinc finger protein 490 [Source:HGNC Symbol;Acc:HGNC:23705]	chr19:1268	NM_02071	.	.	.	NP_06576	.	protein_co	ENSG0000	57474	23705
ZNF491	0	0	0	0.060546	0	0.026985	zinc finger protein 491 [Source:HGNC Symbol;Acc:HGNC:23706]	chr19:1190	NM_15235	XM_01152	.	.	NP_68956	XP_005259	protein_co	ENSG0000	126069	23706
ZNF492	0	0	0	0	0	0	zinc finger protein 492 [Source:HGNC Symbol;Acc:HGNC:23707]	chr19:2281	NM_02085	.	.	.	NP_06590	.	protein_co	ENSG0000	57615	23707
ZNF493	0.677027	0.433831	0.803786	1.12751	1.56267	1.1757	zinc finger protein 493 [Source:HGNC Symbol;Acc:HGNC:23708]	chr19:2157	NM_00107	XM_01152	.	.	NP_00107	XP_006722	protein_co	ENSG0000	284443	23708
ZNF496	12.5336	12.8973	12.9381	14.3003	13.3971	12.6523	zinc finger protein 496 [Source:HGNC Symbol;Acc:HGNC:23713]	chr1:24746	NM_03275	XM_01154	.	.	NP_11614	XP_005273	protein_co	ENSG0000	84838	23713
ZNF497	0.802558	0.948922	1.43805	1.02927	0.724651	1.37338	zinc finger protein 497 [Source:HGNC Symbol;Acc:HGNC:23714]	chr19:5886	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	162968	23714
ZNF500	4.43067	4.7362	4.39149	4.87524	4.49348	4.10746	zinc finger protein 500 [Source:HGNC Symbol;Acc:HGNC:23716]	chr16:4746	NM_00130	.	.	.	NP_00129	XP_011520	protein_co	ENSG0000	26048	23716

ZNF501	0	0	0.020628	0.027103	0	0	zinc finger protein 501 [Source:HGNC Symbol;Acc:HGNC:23717]	chr3:4477	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	115560	23717
ZNF502	1.79551	1.87799	1.92031	1.64988	1.78114	1.62747	zinc finger protein 502 [Source:HGNC Symbol;Acc:HGNC:23718]	chr3:44754	NM_00113	XM_01153	.	.	NP_00112	XP_011532	protein_co	ENSG0000	91392	23718
ZNF503	19.3865	19.9784	33.2717	13.5897	13.5684	11.4625	zinc finger protein 503 [Source:HGNC Symbol;Acc:HGNC:23589]	chr10:7715	NM_03277	.	.	.	NP_11616	.	protein_co	ENSG0000	84858	23589
ZNF506	0	0	0	0	0	0.111167	zinc finger protein 506 [Source:HGNC Symbol;Acc:HGNC:23780]	chr19:1989	NM_00109	.	.	.	NP_00109	.	protein_co	ENSG0000	440515	23780
ZNF507	8.84281	9.45256	8.28885	7.80209	8.16815	9.00959	zinc finger protein 507 [Source:HGNC Symbol;Acc:HGNC:23783]	chr19:3283	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	22847	23783
ZNF510	1.68993	1.88578	2.20771	1.51795	1.99359	2.03727	zinc finger protein 510 [Source:HGNC Symbol;Acc:HGNC:29161]	chr9:99518	NM_01493	XM_00525	.	.	NP_00130	XP_005251	protein_co	ENSG0000	22869	29161
ZNF511	21.0075	18.1036	15.9932	25.4916	16.1037	15.3537	zinc finger protein 511 [Source:HGNC Symbol;Acc:HGNC:28445]	chr10:1350	NM_14580	.	.	.	NP_66580	.	protein_co	ENSG0000	118472	28445
ZNF511-PRAP1	1.51E-91	6.6E-162	0.103675	2.8E-107	2.61E-72	1.6E-108	ZNF511-PRAP1 readthrough [Source:HGNC Symbol;Acc:HGNC:38	chr10:1350	.	.	.	.	.	.	protein_co	ENSG0000	.	38088
ZNF512	15.1547	15.1177	13.0383	13.1557	13.6974	10.5614	zinc finger protein 512 [Source:HGNC Symbol;Acc:HGNC:29380]	chr2:27805	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	84450	29380
ZNF512B	4.94198	5.43978	5.51573	4.66318	4.07884	3.51944	zinc finger protein 512B [Source:HGNC Symbol;Acc:HGNC:29212]	chr20:6258	NM_02071	XM_01152	.	.	NP_06576	XP_005260	protein_co	ENSG0000	57473	29212
ZNF513	9.19667	8.30035	9.36383	6.69084	7.39685	6.93871	zinc finger protein 513 [Source:HGNC Symbol;Acc:HGNC:26498]	chr2:27593	NM_00120	XM_00526	.	.	NP_00118	XP_005264	protein_co	ENSG0000	130557	26498
ZNF514	2.16461	1.88933	2.36585	1.6799	1.65479	2.23036	zinc finger protein 514 [Source:HGNC Symbol;Acc:HGNC:25894]	chr2:95813	NM_03278	XM_00671	.	.	NP_11617	XP_006712	protein_co	ENSG0000	84874	25894
ZNF516	4.54648	4.54518	5.73865	4.19392	4.48432	8.69725	zinc finger protein 516 [Source:HGNC Symbol;Acc:HGNC:28990]	chr18:7407	NM_01464	XM_01702	.	.	NP_05545	XP_011524	protein_co	ENSG0000	9658	28990
ZNF517	2.17883	2.83927	2.52279	2.04977	1.14358	2.63608	zinc finger protein 517 [Source:HGNC Symbol;Acc:HGNC:27984]	chr8:14602	NM_00131	XM_01151	.	.	NP_00130	XP_011515	protein_co	ENSG0000	340385	27984
ZNF518A	10.3345	9.52214	9.74531	7.88287	11.9046	14.4449	zinc finger protein 518A [Source:HGNC Symbol;Acc:HGNC:29009]	chr10:9788	NM_00127	XM_01154	.	.	NP_00126	XP_011538	protein_co	ENSG0000	9849	29009
ZNF518B	13.8254	13.7278	16.917	13.0468	16.3884	20.5658	zinc finger protein 518B [Source:HGNC Symbol;Acc:HGNC:29365]	chr4:10441	NM_05304	XM_01700	.	.	NP_44427	XP_005248	protein_co	ENSG0000	85460	29365
ZNF519	2.41886	2.667	1.83714	2.85652	3.37296	1.99452	zinc finger protein 519 [Source:HGNC Symbol;Acc:HGNC:30574]	chr18:1409	NM_14528	XM_01152	.	.	NP_66033	XP_011523	protein_co	ENSG0000	162655	30574
ZNF521	0	0	0.026147	0.033351	0	0	zinc finger protein 521 [Source:HGNC Symbol;Acc:HGNC:24605]	chr18:2264	NM_00130	XM_01702	.	.	NP_00129	XP_005258	protein_co	ENSG0000	25925	24605
ZNF524	11.4816	11.2423	12.3166	10.6433	8.82977	10.8672	zinc finger protein 524 [Source:HGNC Symbol;Acc:HGNC:28322]	chr19:5611	NM_15321	.	.	.	NP_69495	.	protein_co	ENSG0000	147807	28322
ZNF525	4.74797	6.54143	4.18041	9.08114	6.11915	11.1469	zinc finger protein 525 [Source:HGNC Symbol;Acc:HGNC:29423]	chr19:5383	.	.	.	.	.	.	protein_co	ENSG0000	.	29423
ZNF526	5.95119	5.5509	4.07259	5.3322	4.80372	3.72237	zinc finger protein 526 [Source:HGNC Symbol;Acc:HGNC:29415]	chr19:4272	NM_13344	XM_01152	.	.	NP_00130	XP_011524	protein_co	ENSG0000	116115	29415
ZNF527	0.87895	1.09172	1.21516	1.31137	1.26684	0.996222	zinc finger protein 527 [Source:HGNC Symbol;Acc:HGNC:29385]	chr19:3786	NM_03245	XM_01702	.	.	NP_11582	XP_005259	protein_co	ENSG0000	84503	29385
ZNF528	0	0	0	0	0	0	zinc finger protein 528 [Source:HGNC Symbol;Acc:HGNC:29384]	chr19:5290	NM_03242	.	.	.	NP_11579	XP_016882	protein_co	ENSG0000	84436	29384
ZNF529	0	0	0	0	0	0	zinc finger protein 529 [Source:HGNC Symbol;Acc:HGNC:29328]	chr19:3703	NM_00114	XM_01702	NR_02723	.	NP_00113	XP_006723	protein_co	ENSG0000	57711	29328
ZNF530	2.58396	4.39856	2.22152	2.9937	2.52354	2.2937	zinc finger protein 530 [Source:HGNC Symbol;Acc:HGNC:29297]	chr19:5811	NM_02088	XM_01152	.	.	NP_00130	XP_011525	protein_co	ENSG0000	348327	29297
ZNF532	5.37493	5.71357	3.85217	4.09177	4.79464	4.15182	zinc finger protein 532 [Source:HGNC Symbol;Acc:HGNC:30940]	chr18:5652	NM_00131	XM_01152	.	.	NP_00130	XP_005266	protein_co	ENSG0000	55205	30940
ZNF534	0.061715	0.164766	0.310315	0.261044	0.276615	0.237659	zinc finger protein 534 [Source:HGNC Symbol;Acc:HGNC:26337]	chr19:5293	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	147658	26337
ZNF536	0	0	0	0	0	0	zinc finger protein 536 [Source:HGNC Symbol;Acc:HGNC:29025]	chr19:3086	NM_01471	.	.	.	NP_05553	XP_011525	protein_co	ENSG0000	9745	29025
ZNF540	0	0	0	0	0	0	zinc finger protein 540 [Source:HGNC Symbol;Acc:HGNC:25331]	chr19:3804	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	163255	25331
ZNF541	0	0	0	0	0	0.089582	zinc finger protein 541 [Source:HGNC Symbol;Acc:HGNC:25294]	chr19:4802	NM_00127	XM_01152	.	.	NP_00126	XP_005259	protein_co	ENSG0000	84215	25294
ZNF543	3.17561	3.2472	2.86782	3.4861	4.48874	3.17285	zinc finger protein 543 [Source:HGNC Symbol;Acc:HGNC:25281]	chr19:5783	NM_21359	.	.	.	NP_99876	.	protein_co	ENSG0000	125919	25281
ZNF544	19.7337	17.4175	17.5931	15.7256	12.9832	12.3342	zinc finger protein 544 [Source:HGNC Symbol;Acc:HGNC:16759]	chr19:5873	NM_00132	XM_01152	.	.	NP_00130	XP_011525	protein_co	ENSG0000	27300	16759
ZNF546	0.249092	0.386523	0.237212	0.045942	0.247508	0.099151	zinc finger protein 546 [Source:HGNC Symbol;Acc:HGNC:28671]	chr19:4050	NM_00129	XM_01152	.	.	NP_00128	XP_011525	protein_co	ENSG0000	339327	28671
ZNF547	0.870313	1.29733	0.675153	0.908091	1.06017	0.549249	zinc finger protein 547 [Source:HGNC Symbol;Acc:HGNC:26432]	chr19:5787	NM_17363	.	.	.	NP_77590	.	protein_co	ENSG0000	284306	26432
ZNF548	4.23462	4.09423	3.18846	3.42004	4.3941	3.76108	zinc finger protein 548 [Source:HGNC Symbol;Acc:HGNC:26561]	chr19:5787	NM_00117	.	.	.	NP_00116	XP_016881	protein_co	ENSG0000	147694	26561
ZNF549	0	0	0	0	0	0	zinc finger protein 549 [Source:HGNC Symbol;Acc:HGNC:26632]	chr19:5803	NM_00119	XM_00672	.	.	NP_00118	XP_006723	protein_co	ENSG0000	256051	26632
ZNF550	0.826767	0.531625	0.737185	0.98324	1.34611	1.41608	zinc finger protein 550 [Source:HGNC Symbol;Acc:HGNC:28643]	chr19:5803	NM_00127	XM_01152	.	.	NP_00126	XP_011524	protein_co	ENSG0000	162972	28643
ZNF551	5.51094	6.63281	5.1733	5.66898	6.0025	5.32306	zinc finger protein 551 [Source:HGNC Symbol;Acc:HGNC:25108]	chr19:5819	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	90233	25108
ZNF552	4.00625	3.94935	3.73424	3.45044	3.8928	3.59907	zinc finger protein 552 [Source:HGNC Symbol;Acc:HGNC:26135]	chr19:5828	NM_02476	.	.	.	NP_07903	XP_005259	protein_co	ENSG0000	79818	26135
ZNF554	2.1016	2.67244	1.64659	1.6113	1.67107	2.03124	zinc finger protein 554 [Source:HGNC Symbol;Acc:HGNC:26629]	chr19:2819	NM_00110	.	.	.	NP_00109	XP_011525	protein_co	ENSG0000	115196	26629
ZNF555	2.51514	2.0954	2.46534	1.86576	1.84234	2.38275	zinc finger protein 555 [Source:HGNC Symbol;Acc:HGNC:28382]	chr19:2841	NM_00117	XM_01702	.	.	NP_00116	XP_011526	protein_co	ENSG0000	148254	28382
ZNF556	0	0	0	0	0	0.012449	zinc finger protein 556 [Source:HGNC Symbol;Acc:HGNC:25669]	chr19:2867	NM_00130	.	.	.	NP_00128	.	protein_co	ENSG0000	80032	25669
ZNF557	6.3641	5.57961	5.50489	5.66627	5.98411	4.98161	zinc finger protein 557 [Source:HGNC Symbol;Acc:HGNC:28632]	chr19:7069	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	79230	28632
ZNF558	10.3511	10.1681	12.2494	7.15317	10.8682	12.5895	zinc finger protein 558 [Source:HGNC Symbol;Acc:HGNC:26422]	chr19:8916	NM_14469	.	.	.	NP_65329	.	protein_co	ENSG0000	148156	26422
ZNF559	6.16398	5.52102	6.27152	4.78538	6.9586	6.92136	zinc finger protein 559 [Source:HGNC Symbol;Acc:HGNC:28197]	chr19:9434	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	84527	28197
ZNF559-ZNF177	0.463256	0.316229	0.633629	0.431141	0.117051	0.312959	ZNF559-ZNF177 readthrough [Source:HGNC Symbol;Acc:HGNC:4	chr19:9434	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	10052921	42964
ZNF560	0.025622	0	0	0	0	0	zinc finger protein 560 [Source:HGNC Symbol;Acc:HGNC:26484]	chr19:9577	NM_15247	XM_01152	.	.	NP_68968	XP_011525	protein_co	ENSG0000	147741	26484
ZNF561	12.3976	12.1736	11.3535	10.7433	15.3244	10.3861	zinc finger protein 561 [Source:HGNC Symbol;Acc:HGNC:28684]	chr19:9718	NM_15228	XM_01702	.	.	NP_68950	XP_005260	protein_co	ENSG0000	93134	28684
ZNF562	11.8666	11.7929	12.0731	11.5485	13.8092	13.3876	zinc finger protein 562 [Source:HGNC Symbol;Acc:HGNC:25950]	chr19:9752	NM_00113	XM_01152	.	.	NP_00112	XP_005259	protein_co	ENSG0000	54811	25950
ZNF563	0	0	0	0	0	0	zinc finger protein 563 [Source:HGNC Symbol;Acc:HGNC:30498]	chr19:1242	NM_14527	XM_00672	.	.	NP_66031	XP_005259	protein_co	ENSG0000	147837	30498
ZNF564	2.89837	3.03792	2.61147	2.27762	2.50852	3.04665	zinc finger protein 564 [Source:HGNC Symbol;Acc:HGNC:31106]	chr19:1257	NM_14497	.	.	.	NP_65941	.	protein_co	ENSG0000	163050	31106
ZNF565	1.53943	1.68522	1.67825	1.20865	1.95165	1.68124	zinc finger protein 565 [Source:HGNC Symbol;Acc:HGNC:26726]	chr19:3667	NM_00104	XM_01152	.	.	NP_00103	XP_011524	protein_co	ENSG0000	147929	26726
ZNF566	1.73284	1.49265	1.7185	1.94057	2.2913	1.75349	zinc finger protein 566 [Source:HGNC Symbol;Acc:HGNC:25919]	chr19:3693	NM_00114	XM_01702	.	.	NP_00113	XP_005259	protein_co	ENSG0000	84924	25919
ZNF567	4.48855	3.86586	4.21717	5.97358	6.3765	5.6169	zinc finger protein 567 [Source:HGNC Symbol;Acc:HGNC:28696]	chr19:3717	NM_00130	XM_01702	.	.	NP_00128	XP_011524	protein_co	ENSG0000	163081	28696
ZNF568	0	0	0	0	0	0	zinc finger protein 568 [Source:HGNC Symbol;Acc:HGNC:25392]	chr19:3740	NM_00120	.	.	.	NP_00119	XP_016882	protein_co	ENSG0000	374900	25392
ZNF569	0	0	0	0	0	0	zinc finger protein 569 [Source:HGNC Symbol;Acc:HGNC:24737]	chr19:3790	NM_15248	XM_01702	.	.	NP_68969	XP_005258	protein_co	ENSG0000	148266	24737
ZNF57	5.84228	6.45687	5.60634	5.38114	5.95494	5.97675	zinc finger protein 57 [Source:HGNC Symbol;Acc:HGNC:13125]	chr19:2900	NM_00131	XM_01152	.	.	NP_00130	XP_011525	protein_co	ENSG0000	126295	13125
ZNF570	0	0	0	0	0	0	zinc finger protein 570 [Source:HGNC Symbol;Acc:HGNC:26416]	chr19:3795	NM_00130	XM_01152	.	.	NP_00128	XP_011524	protein_co	ENSG0000	148268	26416
ZNF571	0.029896	0.034658	0.056478	0.053819	0.107397	0.031433	zinc finger protein 571 [Source:HGNC Symbol;Acc:HGNC:25000]	chr19:3804	NM_00129	XM_00525	.	.	NP_00127	XP_005259	protein_co	ENSG0000	51276	25000

ZNF572	1.89588	2.39058	1.54069	1.68007	2.12916	1.70328	zinc finger protein 572 [Source:HGNC Symbol;Acc:HGNC:26758]	chr8:12598	NM_15241	XM_01151	.	.	NP_68962	XP_011515	protein_co	ENSG0000	137209	26758
ZNF573	0.586157	0.750669	0.386956	0.671182	0.477817	0.727849	zinc finger protein 573 [Source:HGNC Symbol;Acc:HGNC:26420]	chr19:3822	NM_00117	XM_01702	.	.	NP_00116	XP_011524	protein_co	ENSG0000	126231	26420
ZNF574	16.3845	16.3119	13.2883	19.8387	15.5952	12.7371	zinc finger protein 574 [Source:HGNC Symbol;Acc:HGNC:26166]	chr19:4250	NM_02275	XM_01702	.	.	NP_07358	XP_005259	protein_co	ENSG0000	64763	26166
ZNF575	0.48048	0.621855	0.482669	0.67932	0.773998	0.150635	zinc finger protein 575 [Source:HGNC Symbol;Acc:HGNC:27606]	chr19:4401	NM_17494	XM_01152	.	.	NP_77760	XP_005258	protein_co	ENSG0000	284346	27606
ZNF576	9.90104	10.0139	7.4828	9.9294	9.05573	8.03904	zinc finger protein 576 [Source:HGNC Symbol;Acc:HGNC:28357]	chr19:4410	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	79177	28357
ZNF578	0.161232	0.275404	0.140706	0.036436	0.143764	0.127005	zinc finger protein 578 [Source:HGNC Symbol;Acc:HGNC:26449]	chr19:5295	NM_00109	XM_01152	.	.	NP_00109	XP_005258	protein_co	ENSG0000	147660	26449
ZNF579	9.30517	10.901	8.69714	11.0769	9.21624	9.07177	zinc finger protein 579 [Source:HGNC Symbol;Acc:HGNC:26646]	chr19:5608	NM_15260	XM_01152	.	.	NP_68981	XP_011524	protein_co	ENSG0000	163033	26646
ZNF580	31.547	28.0282	26.7122	30.7282	26.5338	24.3624	zinc finger protein 580 [Source:HGNC Symbol;Acc:HGNC:29473]	chr19:5614	NM_00116	XM_01152	.	.	NP_00115	XP_006723	protein_co	ENSG0000	51157	29473
ZNF581	25.7274	27.5844	24.3239	32.5677	21.954	18.9802	zinc finger protein 581 [Source:HGNC Symbol;Acc:HGNC:25017]	chr19:5614	NM_01653	XM_00672	.	.	NP_05761	XP_006723	protein_co	ENSG0000	51545	25017
ZNF582	0.03005	0	0	0	0	0	zinc finger protein 582 [Source:HGNC Symbol;Acc:HGNC:26421]	chr19:5689	NM_14469	XM_00672	.	.	NP_00130	.	protein_co	ENSG0000	147948	26421
ZNF583	0	0	0	0	0	0	zinc finger protein 583 [Source:HGNC Symbol;Acc:HGNC:26427]	chr19:5691	NM_00115	XM_01152	.	.	NP_00115	XP_005258	protein_co	ENSG0000	147949	26427
ZNF584	10.9439	16.6251	12.6446	13.8865	12.586	10.7574	zinc finger protein 584 [Source:HGNC Symbol;Acc:HGNC:27318]	chr19:5891	NM_17354	XM_01152	.	.	NP_00130	XP_005258	protein_co	ENSG0000	201514	27318
ZNF585A	2.98289	2.08895	3.70038	4.14632	3.57879	2.76675	zinc finger protein 585A [Source:HGNC Symbol;Acc:HGNC:26305]	chr19:3763	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	199704	26305
ZNF585B	2.41753	1.73138	2.37275	1.50799	2.11531	3.06795	zinc finger protein 585B [Source:HGNC Symbol;Acc:HGNC:30948]	chr19:3767	NM_15227	.	.	.	NP_68949	.	protein_co	ENSG0000	92285	30948
ZNF586	5.00433	4.33268	3.56066	5.70929	5.24988	4.15753	zinc finger protein 586 [Source:HGNC Symbol;Acc:HGNC:25949]	chr19:5828	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	54807	25949
ZNF587	6.48617	6.99782	6.73432	6.0423	7.10242	6.11066	zinc finger protein 587 [Source:HGNC Symbol;Acc:HGNC:30955]	chr19:5828	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	84914	30955
ZNF587B	6.44348	6.51209	4.84062	6.11223	6.14928	4.20793	zinc finger protein 587B [Source:HGNC Symbol;Acc:HGNC:37142]	chr19:5828	NM_00120	.	.	.	NP_00119	.	protein_co	ENSG0000	10029351	37142
ZNF589	10.0327	9.35874	9.7849	7.98214	8.3474	6.37464	zinc finger protein 589 [Source:HGNC Symbol;Acc:HGNC:16747]	chr3:48282	NM_01608	.	.	.	NP_05717	XP_016862	protein_co	ENSG0000	51385	16747
ZNF592	7.80164	7.60859	7.75649	7.06898	6.88484	6.89417	zinc finger protein 592 [Source:HGNC Symbol;Acc:HGNC:28986]	chr15:8529	NM_01463	XM_01702	.	.	NP_05544	XP_005255	protein_co	ENSG0000	9640	28986
ZNF593	79.2557	82.013	77.2451	100.838	68.3217	54.7283	zinc finger protein 593 [Source:HGNC Symbol;Acc:HGNC:30943]	chr1:26496	NM_01587	.	.	.	NP_05695	XP_016856	protein_co	ENSG0000	51042	30943
ZNF594	2.35215	2.19771	2.428	2.22703	2.326	2.15194	zinc finger protein 594 [Source:HGNC Symbol;Acc:HGNC:29392]	chr17:5082	NM_03253	XM_00525	.	.	NP_11591	XP_005256	protein_co	ENSG0000	84622	29392
ZNF595	1.19044	1.38567	0.866837	1.85961	2.11282	1.82409	zinc finger protein 595 [Source:HGNC Symbol;Acc:HGNC:27196]	chr4:53178	NM_00128	.	.	.	NP_00127	XP_011511	protein_co	ENSG0000	152687	27196
ZNF596	2.33277	2.43707	2.51067	1.62373	1.97939	2.28576	zinc finger protein 596 [Source:HGNC Symbol;Acc:HGNC:27268]	chr8:18213	NM_00104	XM_01153	.	.	NP_00103	XP_011533	protein_co	ENSG0000	169270	27268
ZNF597	2.65552	2.29099	2.35874	2.52828	2.90278	2.08556	zinc finger protein 597 [Source:HGNC Symbol;Acc:HGNC:26573]	chr16:3482	NM_15245	.	.	.	NP_68967	.	protein_co	ENSG0000	146434	26573
ZNF598	21.3518	22.0823	19.4714	24.1405	22.3468	16.1329	zinc finger protein 598 [Source:HGNC Symbol;Acc:HGNC:28079]	chr16:2047	NM_17816	.	.	.	NP_83546	.	protein_co	ENSG0000	90850	28079
ZNF599	1.17624	1.01546	1.02065	0.57331	0.756769	0.863841	zinc finger protein 599 [Source:HGNC Symbol;Acc:HGNC:26408]	chr19:3524	NM_00100	.	.	.	NP_00100	XP_016881	protein_co	ENSG0000	148103	26408
ZNF600	3.80969	3.02878	3.78611	3.00453	3.67661	3.46642	zinc finger protein 600 [Source:HGNC Symbol;Acc:HGNC:30951]	chr19:5326	NM_19845	XM_01152	.	.	NP_00130	XP_011524	protein_co	ENSG0000	162966	30951
ZNF605	0	0	0	0	0	0	zinc finger protein 605 [Source:HGNC Symbol;Acc:HGNC:28068]	chr12:1334	NM_00116	.	.	.	NP_00115	.	protein_co	ENSG0000	100289635	28068
ZNF606	0	0	0	0	0	0	zinc finger protein 606 [Source:HGNC Symbol;Acc:HGNC:25879]	chr19:5848	NM_02502	XM_00525	.	.	NP_07930	XP_005259	protein_co	ENSG0000	80095	25879
ZNF607	2.24556	2.21426	1.84068	2.633	2.91381	3.14865	zinc finger protein 607 [Source:HGNC Symbol;Acc:HGNC:28192]	chr19:3818	NM_00117	XM_00672	.	.	NP_00116	XP_006723	protein_co	ENSG0000	84775	28192
ZNF608	2.07464	2.02791	1.85787	2.78985	3.29338	5.16552	zinc finger protein 608 [Source:HGNC Symbol;Acc:HGNC:29238]	chr5:12397	NM_02074	XM_01154	.	.	NP_06579	XP_005272	protein_co	ENSG0000	57507	29238
ZNF609	9.62478	10.7383	11.1988	8.65793	8.87757	9.65221	zinc finger protein 609 [Source:HGNC Symbol;Acc:HGNC:29003]	chr15:6475	NM_01504	XM_01702	.	.	NP_05585	XP_011519	protein_co	ENSG0000	23060	29003
ZNF610	0.0371	0	0	0	0.04816	0.042328	zinc finger protein 610 [Source:HGNC Symbol;Acc:HGNC:26687]	chr19:5283	NM_00116	XM_01152	.	.	NP_00115	XP_011524	protein_co	ENSG0000	162963	26687
ZNF611	1.43814	1.43946	1.91148	1.61132	2.18792	2.83088	zinc finger protein 611 [Source:HGNC Symbol;Acc:HGNC:28766]	chr19:5320	NM_00116	XM_01152	.	.	NP_00115	XP_011525	protein_co	ENSG0000	81856	28766
ZNF613	1.72752	1.69521	1.70071	1.86805	2.06546	1.51496	zinc finger protein 613 [Source:HGNC Symbol;Acc:HGNC:25827]	chr19:5243	NM_00103	XM_01152	.	.	NP_00102	XP_005259	protein_co	ENSG0000	79898	25827
ZNF614	2.29417	2.06184	2.06141	1.73874	2.3581	2.11686	zinc finger protein 614 [Source:HGNC Symbol;Acc:HGNC:24722]	chr19:5251	NM_02504	.	.	.	NP_07931	.	protein_co	ENSG0000	80110	24722
ZNF615	0.563362	0.633612	0.475842	0.648659	0.564348	1.09662	zinc finger protein 615 [Source:HGNC Symbol;Acc:HGNC:24740]	chr19:5249	NM_00119	XM_01702	.	.	NP_00118	XP_011525	protein_co	ENSG0000	284370	24740
ZNF616	4.35371	3.6122	3.84741	4.04198	4.75521	4.47558	zinc finger protein 616 [Source:HGNC Symbol;Acc:HGNC:28062]	chr19:5261	NM_17852	.	.	.	NP_84861	XP_016882	protein_co	ENSG0000	90317	28062
ZNF618	5.23365	5.75561	5.85876	5.91742	5.72716	5.26545	zinc finger protein 618 [Source:HGNC Symbol;Acc:HGNC:29416]	chr9:11663	NM_00131	XM_01701	.	.	NP_00130	XP_005251	protein_co	ENSG0000	114991	29416
ZNF619	2.77559	2.94544	2.74078	2.50335	3.03961	2.87634	zinc finger protein 619 [Source:HGNC Symbol;Acc:HGNC:26910]	chr3:40518	NM_00114	XM_01153	.	.	NP_00113	XP_006713	protein_co	ENSG0000	285267	26910
ZNF620	5.27503	5.14383	5.25725	5.94594	6.79953	5.11722	zinc finger protein 620 [Source:HGNC Symbol;Acc:HGNC:28742]	chr3:40547	NM_00125	XM_01700	.	.	NP_00124	XP_005265	protein_co	ENSG0000	253639	28742
ZNF621	16.17	14.3976	16.5087	11.1527	13.7623	15.6717	zinc finger protein 621 [Source:HGNC Symbol;Acc:HGNC:24787]	chr3:40566	NM_00109	XM_00526	.	.	NP_00109	XP_005265	protein_co	ENSG0000	285268	24787
ZNF622	20.5145	22.3613	16.6361	24.3411	21.6763	16.695	zinc finger protein 622 [Source:HGNC Symbol;Acc:HGNC:30958]	chr5:16451	NM_03341	XM_01151	.	.	NP_21948	XP_011512	protein_co	ENSG0000	90441	30958
ZNF623	11.2828	11.4517	11.3661	7.87493	8.28668	10.3535	zinc finger protein 623 [Source:HGNC Symbol;Acc:HGNC:29084]	chr8:14471	NM_00108	XM_00671	.	.	NP_00107	XP_006716	protein_co	ENSG0000	9831	29084
ZNF624	1.31097	1.01891	0.942286	0.628338	0.660151	1.16847	zinc finger protein 624 [Source:HGNC Symbol;Acc:HGNC:29254]	chr17:1652	NM_02078	XM_01152	.	.	NP_06583	XP_006721	protein_co	ENSG0000	57547	29254
ZNF625	0	0	0	0	0	0	zinc finger protein 625 [Source:HGNC Symbol;Acc:HGNC:30571]	chr19:1225	NM_14523	.	.	.	NP_66027	.	protein_co	ENSG0000	90589	30571
ZNF626	0	0	0	0	0	0	zinc finger protein 626 [Source:HGNC Symbol;Acc:HGNC:30461]	chr19:2080	NM_00107	.	.	.	NP_00107	.	protein_co	ENSG0000	199777	30461
ZNF627	12.049	10.9518	9.54719	12.0332	10.7949	13.7448	zinc finger protein 627 [Source:HGNC Symbol;Acc:HGNC:30570]	chr19:1170	NM_00129	XM_01152	.	.	NP_00127	XP_011526	protein_co	ENSG0000	199692	30570
ZNF628	2.2043	3.11447	2.70013	3.18041	2.4379	2.54608	zinc finger protein 628 [Source:HGNC Symbol;Acc:HGNC:28054]	chr19:5598	NM_03311	XM_00525	.	.	NP_14910	XP_005259	protein_co	ENSG0000	89887	28054
ZNF629	9.40212	10.5527	9.5981	10.3454	9.84521	8.91129	zinc finger protein 629 [Source:HGNC Symbol;Acc:HGNC:29008]	chr16:3078	NM_00108	XM_00525	.	.	NP_00107	XP_005255	protein_co	ENSG0000	23361	29008
ZNF630	0	0	0	0	0	0	zinc finger protein 630 [Source:HGNC Symbol;Acc:HGNC:28855]	chrX:47917	NM_00103	.	.	.	NP_00103	.	protein_co	ENSG0000	57232	28855
ZNF638	22.0725	21.3983	21.0896	17.5242	22.7829	23.5499	zinc finger protein 638 [Source:HGNC Symbol;Acc:HGNC:17894]	chr2:71503	NM_00101	XM_01700	.	.	NP_00101	XP_005264	protein_co	ENSG0000	27332	17894
ZNF639	20.725	20.7377	18.9872	19.4421	23.5656	20.4611	zinc finger protein 639 [Source:HGNC Symbol;Acc:HGNC:30950]	chr3:17904	NM_00130	.	.	.	NP_00129	XP_016862	protein_co	ENSG0000	51193	30950
ZNF641	3.95547	4.20478	4.21545	2.76603	2.90935	4.40502	zinc finger protein 641 [Source:HGNC Symbol;Acc:HGNC:31834]	chr12:4873	NM_00117	XM_01153	.	.	NP_00116	XP_005268	protein_co	ENSG0000	121274	31834
ZNF644	12.8787	14.5003	12.3888	12.5535	15.1042	17.6534	zinc finger protein 644 [Source:HGNC Symbol;Acc:HGNC:29222]	chr1:91380	NM_01662	XM_01700	.	.	NP_05770	XP_005271	protein_co	ENSG0000	84146	29222
ZNF645	0	0	0	0	0	0	zinc finger protein 645 [Source:HGNC Symbol;Acc:HGNC:26371]	chrX:22291	NM_15257	.	.	.	NP_68979	.	protein_co	ENSG0000	158506	26371
ZNF646	4.21773	4.75991	4.09252	4.56174	4.36287	3.89677	zinc finger protein 646 [Source:HGNC Symbol;Acc:HGNC:29004]	chr16:3108	NM_01469	XM_01154	.	.	NP_05551	XP_005255	protein_co	ENSG0000	9726	29004
ZNF648	0.50762	0.305257	0.37937	0.27904	0.209673	0.314497	zinc finger protein 648 [Source:HGNC Symbol;Acc:HGNC:18190]	chr1:18202	NM_00100	XM_01150	.	.	NP_00100	XP_011507	protein_co	ENSG0000	127665	18190
ZNF649	3.15379	3.31196	2.09289	3.01669	3.43311	2.34063	zinc finger protein 649 [Source:HGNC Symbol;Acc:HGNC:25741]	chr19:5239	NM_02307	XM_00525	.	.	NP_07556	.	protein_co	ENSG0000	65251	25741

ZNF652	4.38687	4.58913	5.27727	4.00192	4.03496	5.60163	zinc finger protein 652 [Source:HGNC Symbol;Acc:HGNC:29147]	chr17:4737	NM_00114	XM_00525	.	.	NP_00113	XP_005257	protein_co	ENSG0000	22834	29147
ZNF653	2.54552	2.15834	2.63189	2.89694	3.15009	2.62859	zinc finger protein 653 [Source:HGNC Symbol;Acc:HGNC:25196]	chr19:115	NM_13878	.	.	.	NP_62013	.	protein_co	ENSG0000	115950	25196
ZNF654	2.32136	1.82347	2.24025	1.58663	2.25465	2.47952	zinc finger protein 654 [Source:HGNC Symbol;Acc:HGNC:25612]	chr3:88101	NM_01829	.	.	.	NP_06076	XP_016862	protein_co	ENSG0000	55279	25612
ZNF655	25.5554	26.5458	21.5129	16.2473	21.8096	19.5512	zinc finger protein 655 [Source:HGNC Symbol;Acc:HGNC:30899]	chr7:9915	NM_00100	XM_01701	.	.	NP_00100	XP_016868	protein_co	ENSG0000	79027	30899
ZNF658	1.0466	1.16432	1.35053	0.761269	0.92986	1.09112	zinc finger protein 658 [Source:HGNC Symbol;Acc:HGNC:25226]	chr9:40771	NM_00131	XM_01154	.	.	NP_00130	XP_005272	protein_co	ENSG0000	26149	25226
ZNF66	0	0	0	0	0	0	zinc finger protein 66 [Source:HGNC Symbol;Acc:HGNC:13135]	chr19:2095	.	.	.	.	.	.	protein_co	ENSG0000	.	13135
ZNF660	0	0	0	0	0	0	zinc finger protein 660 [Source:HGNC Symbol;Acc:HGNC:26720]	chr3:4462	NM_17365	XM_01153	.	.	NP_77592	XP_005265	protein_co	ENSG0000	285349	26720
ZNF662	0	0	0	0.028864	0.028474	0.025357	zinc finger protein 662 [Source:HGNC Symbol;Acc:HGNC:31930]	chr3:4285	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	389114	31930
ZNF664	72.1362	73.7587	74.5818	57.3591	68.9459	72.1458	zinc finger protein 664 [Source:HGNC Symbol;Acc:HGNC:25406]	chr12:1244	NM_0012	.	.	.	NP_00119	.	protein_co	ENSG0000	144348	25406
ZNF665	0	0	0.052983	0	0	0	zinc finger protein 665 [Source:HGNC Symbol;Acc:HGNC:25885]	chr19:536	NM_02473	XM_01152	.	.	NP_07900	XP_005259	protein_co	ENSG0000	79788	25885
ZNF667	0	0	0	0	0	0	zinc finger protein 667 [Source:HGNC Symbol;Acc:HGNC:28854]	chr19:5695	NM_00132	XM_01152	.	.	NP_00130	XP_011525	protein_co	ENSG0000	63934	28854
ZNF668	10.0198	11.0598	9.351	11.1226	10.2115	7.96047	zinc finger protein 668 [Source:HGNC Symbol;Acc:HGNC:25821]	chr16:3107	NM_00117	XM_01154	.	.	NP_00116	XP_011544	protein_co	ENSG0000	79759	25821
ZNF669	4.71685	6.03606	5.32581	5.60998	7.97783	7.03503	zinc finger protein 669 [Source:HGNC Symbol;Acc:HGNC:25736]	chr1:2472	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	79862	25736
ZNF670	6.74712	6.06973	5.78912	6.10957	8.14128	7.4367	zinc finger protein 670 [Source:HGNC Symbol;Acc:HGNC:28167]	chr1:2472	NM_0012	.	.	.	NP_00119	.	protein_co	ENSG0000	93474	28167
ZNF671	0	0	0	0	0	0	zinc finger protein 671 [Source:HGNC Symbol;Acc:HGNC:26279]	chr19:581	NM_02483	XM_01702	.	.	NP_07910	XP_016882	protein_co	ENSG0000	79891	26279
ZNF672	14.4999	15.8674	16.7864	16.9088	14.6972	15.2091	zinc finger protein 672 [Source:HGNC Symbol;Acc:HGNC:26179]	chr1:2491	NM_02483	XM_00527	.	.	NP_07911	XP_00527	protein_co	ENSG0000	79894	26179
ZNF674	1.51384	1.14794	0.977448	1.17757	1.11302	2.30783	zinc finger protein 674 [Source:HGNC Symbol;Acc:HGNC:17625]	chrX:4635	NM_00103	XM_01154	.	.	NP_00103	XP_011542	protein_co	ENSG0000	641339	17625
ZNF675	1.46709	1.49669	1.26429	3.014	3.16401	2.33711	zinc finger protein 675 [Source:HGNC Symbol;Acc:HGNC:30768]	chr19:237	NM_13833	.	.	.	NP_61220	XP_016881	protein_co	ENSG0000	171392	30768
ZNF676	0	0.023462	0	0	0	0	zinc finger protein 676 [Source:HGNC Symbol;Acc:HGNC:20429]	chr19:223	NM_00100	XM_01152	.	.	NP_00100	XP_011526	protein_co	ENSG0000	163223	20429
ZNF677	0	0	0	0	0	0	zinc finger protein 677 [Source:HGNC Symbol;Acc:HGNC:28730]	chr19:537	NM_00131	XM_01152	.	.	NP_00130	XP_005258	protein_co	ENSG0000	342926	28730
ZNF678	3.57439	3.89871	3.12176	2.62443	2.88661	3.68272	zinc finger protein 678 [Source:HGNC Symbol;Acc:HGNC:28652]	chr1:2277	NM_17854	.	.	.	NP_84864	.	protein_co	ENSG0000	339500	28652
ZNF679	0	0	0	0	0	0	zinc finger protein 679 [Source:HGNC Symbol;Acc:HGNC:28650]	chr7:63688	NM_15336	.	.	.	NP_69919	XP_016867	protein_co	ENSG0000	168417	28650
ZNF680	3.90513	3.98468	3.64794	3.96595	5.83495	5.70561	zinc finger protein 680 [Source:HGNC Symbol;Acc:HGNC:26897]	chr7:6398	NM_00113	.	.	.	NP_00112	XP_006716	protein_co	ENSG0000	340252	26897
ZNF681	0	0	0	0	0	0	zinc finger protein 681 [Source:HGNC Symbol;Acc:HGNC:26457]	chr19:2392	NM_13828	.	.	.	NP_61214	.	protein_co	ENSG0000	148213	26457
ZNF682	0	0	0	0	0	0	zinc finger protein 682 [Source:HGNC Symbol;Acc:HGNC:28857]	chr19:201	NM_00107	XM_01702	.	.	NP_00107	XP_011526	protein_co	ENSG0000	91120	28857
ZNF683	0	0	0	0	0	0	zinc finger protein 683 [Source:HGNC Symbol;Acc:HGNC:28495]	chr1:26688	NM_00111	XM_01700	.	.	NP_00110	XP_005245	protein_co	ENSG0000	257101	28495
ZNF684	2.53435	2.4504	2.00444	2.69984	3.06462	3.34745	zinc finger protein 684 [Source:HGNC Symbol;Acc:HGNC:28418]	chr1:40997	NM_15237	XM_01154	.	.	NP_68958	XP_011538	protein_co	ENSG0000	127396	28418
ZNF687	10.2533	10.6904	10.5843	10.5946	10.7408	12.9859	zinc finger protein 687 [Source:HGNC Symbol;Acc:HGNC:29277]	chr1:15125	NM_00130	XM_01150	.	.	NP_00129	XP_005245	protein_co	ENSG0000	57592	29277
ZNF688	3.14094	3.15126	2.48803	1.06591	2.9345	1.98119	zinc finger protein 688 [Source:HGNC Symbol;Acc:HGNC:30489]	chr16:3058	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	146542	30489
ZNF689	7.56802	6.44629	6.90768	8.06911	6.70985	6.2541	zinc finger protein 689 [Source:HGNC Symbol;Acc:HGNC:25173]	chr16:3061	NM_13844	.	.	.	NP_61245	.	protein_co	ENSG0000	115509	25173
ZNF69	0	0	0.043086	0	0	0	zinc finger protein 69 [Source:HGNC Symbol;Acc:HGNC:13138]	chr19:119	NM_02191	XM_00672	.	.	NP_06873	XP_00526	protein_co	ENSG0000	7620	13138
ZNF691	8.14875	8.05643	7.65731	8.04777	6.13767	6.58505	zinc finger protein 691 [Source:HGNC Symbol;Acc:HGNC:28028]	chr1:4331	NM_00124	XM_01154	.	.	NP_00122	XP_00671	protein_co	ENSG0000	51058	28028
ZNF692	17.7059	16.4746	16.4915	17.893	16.1882	11.0913	zinc finger protein 692 [Source:HGNC Symbol;Acc:HGNC:26049]	chr1:2491	NM_00113	XM_01700	.	.	NP_00112	XP_011542	protein_co	ENSG0000	55657	26049
ZNF695	4.9691	7.49314	4.90115	6.51023	5.70383	5.23138	zinc finger protein 695 [Source:HGNC Symbol;Acc:HGNC:30954]	chr1:2471	NM_0012	.	.	.	NP_00119	.	protein_co	ENSG0000	57116	30954
ZNF696	9.95042	10.3054	10.6153	8.97155	9.12624	7.9353	zinc finger protein 696 [Source:HGNC Symbol;Acc:HGNC:25872]	chr8:14437	NM_03089	.	.	.	NP_11215	.	protein_co	ENSG0000	79943	25872
ZNF697	4.01661	3.62592	3.45996	3.28091	3.95904	5.45125	zinc finger protein 697 [Source:HGNC Symbol;Acc:HGNC:32034]	chr1:1201	NM_00108	XM_01700	.	.	NP_00107	XP_005271	protein_co	ENSG0000	90874	32034
ZNF699	2.29133	1.79333	2.46632	1.78855	2.05799	2.76367	zinc finger protein 699 [Source:HGNC Symbol;Acc:HGNC:24750]	chr19:9404	NM_19853	XM_00525	.	.	NP_94093	XP_005259	protein_co	ENSG0000	374879	24750
ZNF7	28.1362	30.0139	24.6752	27.4338	28.3169	22.338	zinc finger protein 7 [Source:HGNC Symbol;Acc:HGNC:13139]	chr8:14605	NM_00128	XM_01701	.	.	NP_00126	XP_006716	protein_co	ENSG0000	7553	13139
ZNF70	1.90156	1.83068	1.73449	1.29339	1.41774	1.48264	zinc finger protein 70 [Source:HGNC Symbol;Acc:HGNC:13140]	chr22:2408	NM_02191	.	.	.	NP_06873	.	protein_co	ENSG0000	7621	13140
ZNF700	7.99981	7.07002	6.70335	7.70737	8.18074	8.11354	zinc finger protein 700 [Source:HGNC Symbol;Acc:HGNC:25292]	chr19:120	NM_00127	.	.	.	NP_00125	.	protein_co	ENSG0000	90592	25292
ZNF701	1.95156	1.70219	1.77353	1.22173	1.69069	1.96335	zinc finger protein 701 [Source:HGNC Symbol;Acc:HGNC:25597]	chr19:5307	NM_00117	XM_01152	.	.	NP_00116	XP_011525	protein_co	ENSG0000	55762	25597
ZNF703	3.1952	2.77513	3.83266	5.07258	5.59111	4.03659	zinc finger protein 703 [Source:HGNC Symbol;Acc:HGNC:25883]	chr8:3755	NM_02506	.	.	.	NP_07934	.	protein_co	ENSG0000	80139	25883
ZNF704	3.91815	4.09381	5.76668	2.78701	3.70262	4.63406	zinc finger protein 704 [Source:HGNC Symbol;Acc:HGNC:32291]	chr8:8154	NM_00103	XM_01701	.	.	NP_00102	XP_005251	protein_co	ENSG0000	619279	32291
ZNF705A	0	0	0	0	0	0	zinc finger protein 705A [Source:HGNC Symbol;Acc:HGNC:32281]	chr12:8321	NM_00100	XM_01152	.	.	NP_00100	XP_011518	protein_co	ENSG0000	100131539	32281
ZNF705B	0	0	0	0	0	0	zinc finger protein 705B [Source:HGNC Symbol;Acc:HGNC:32284]	chr8:77838	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	100132396	32284
ZNF705D	0	0	0	0	0	0	zinc finger protein 705D [Source:HGNC Symbol;Acc:HGNC:33202]	chr8:11961	NM_00103	XM_01154	.	.	NP_00103	XP_011542	protein_co	ENSG0000	728957	33202
ZNF705G	0	0	0	0	0	0	zinc finger protein 705G [Source:HGNC Symbol;Acc:HGNC:37134]	chr8:7213	NM_00116	.	.	.	NP_00115	XP_016868	protein_co	ENSG0000	100131980	37134
ZNF706	83.3974	83.932	77.5926	81.8717	90.7731	98.7815	zinc finger protein 706 [Source:HGNC Symbol;Acc:HGNC:24992]	chr8:1021	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	51123	24992
ZNF707	8.8211	9.51781	9.53132	8.84715	8.46593	6.69662	zinc finger protein 707 [Source:HGNC Symbol;Acc:HGNC:27815]	chr8:1447	NM_0011	XM_01151	NR_13430	.	NP_00109	XP_006716	protein_co	ENSG0000	101928160	27815
ZNF708	1.92513	2.00396	2.22753	2.17125	2.49312	2.49484	zinc finger protein 708 [Source:HGNC Symbol;Acc:HGNC:12945]	chr19:2147	NM_00129	.	.	.	NP_00128	XP_016882	protein_co	ENSG0000	7562	12945
ZNF709	1.89E-05	2.06E-05	1.28E-05	0	1.27E-05	1.64E-05	zinc finger protein 709 [Source:HGNC Symbol;Acc:HGNC:20629]	chr19:1257	NM_1526	.	.	.	NP_68981	.	protein_co	ENSG0000	163051	20629
ZNF71	0	0	0	0	0	0.014986	zinc finger protein 71 [Source:HGNC Symbol;Acc:HGNC:13141]	chr19:571	NM_02121	.	.	.	NP_06703	XP_016882	protein_co	ENSG0000	58491	13141
ZNF710	3.61669	3.78287	3.0695	2.58199	2.90311	2.66576	zinc finger protein 710 [Source:HGNC Symbol;Acc:HGNC:25352]	chr15:9054	NM_19852	.	.	.	NP_94092	XP_011519	protein_co	ENSG0000	374655	25352
ZNF711	4.39413	4.0602	4.67408	4.05826	5.44515	7.35847	zinc finger protein 711 [Source:HGNC Symbol;Acc:HGNC:13128]	chrX:8449	NM_02199	XM_01702	.	.	NP_06883	XP_005262	protein_co	ENSG0000	7552	13128
ZNF713	0.54293	1.11269	0.888819	0.804687	1.20492	1.33572	zinc finger protein 713 [Source:HGNC Symbol;Acc:HGNC:22043]	chr7:55954	NM_18263	.	.	.	NP_87243	.	protein_co	ENSG0000	349075	22043
ZNF714	8.50887	8.64451	7.59836	10.1178	10.2619	9.79574	zinc finger protein 714 [Source:HGNC Symbol;Acc:HGNC:27124]	chr19:212	NM_18251	.	.	.	NP_87232	.	protein_co	ENSG0000	148206	27124
ZNF716	0	0	0	0	0	0	zinc finger protein 716 [Source:HGNC Symbol;Acc:HGNC:32458]	chr7:5750	NM_00115	.	.	.	NP_00115	.	protein_co	ENSG0000	441234	32458
ZNF717	0	0.077003	0	0	0	0	zinc finger protein 717 [Source:HGNC Symbol;Acc:HGNC:29448]	chr3:7577	NM_00129	.	.	.	NP_00112	XP_005264	protein_co	ENSG0000	100131827	29448
ZNF718	0	0	0	0	0	0	zinc finger protein 718 [Source:HGNC Symbol;Acc:HGNC:26889]	chr4:1243	NM_00103	XM_01151	.	.	NP_00103	XP_011511	protein_co	ENSG0000	255403	26889

ZNF720	5.66229	3.95212	4.86726	5.70671	7.40543	5.31385	zinc finger protein 720 [Source:HGNC Symbol;Acc:HGNC:26987]	chr16:3172	NM_00113	XM_01154	.	.	NP_00112	XP_00525	protein_co	ENSG0000	107983990	26987
ZNF721	18.579	19.4718	15.9551	16.2701	17.4547	16.1323	zinc finger protein 721 [Source:HGNC Symbol;Acc:HGNC:29425]	chr4:42057	NM_13347	.	.	.	NP_59773	.	protein_co	ENSG0000	170960	29425
ZNF724P	1.92512	1.61108	1.96717	2.14855	2.77945	2.13655	zinc finger protein 724 [Source:HGNC Symbol;Acc:HGNC:32460]	chr19:2340	.	.	.	.	.	.	protein_co	ENSG0000	.	32460
ZNF726	0.028409	0	0	0	0	0	zinc finger protein 726 [Source:HGNC Symbol;Acc:HGNC:32462]	chr19:2409	NM_00124	.	.	.	NP_00123	.	protein_co	ENSG0000	730087	32462
ZNF727	0	0	0	0	0	0	zinc finger protein 727 [Source:HGNC Symbol;Acc:HGNC:22785]	chr7:63505	NM_00115	.	.	.	NP_00115	.	protein_co	ENSG0000	442319	22785
ZNF728	0	0	0	0.037114	0	0.032073	zinc finger protein 728 [Source:HGNC Symbol;Acc:HGNC:32463]	chr19:2315	NM_00126	.	.	.	NP_00125	.	protein_co	ENSG0000	388523	32463
ZNF729	0	0	0	0	0	0	zinc finger protein 729 [Source:HGNC Symbol;Acc:HGNC:32464]	chr19:2246	NM_00124	.	.	.	NP_00122	.	protein_co	ENSG0000	100287226	32464
ZNF730	0	0	0	0	0	0	zinc finger protein 730 [Source:HGNC Symbol;Acc:HGNC:32470]	chr19:2325	NM_00127	.	.	.	NP_00126	XP_016881	protein_co	ENSG0000	100129543	32470
ZNF732	0	0	0	0	0	0	zinc finger protein 732 [Source:HGNC Symbol;Acc:HGNC:37138]	chr4:26446	NM_00113	.	.	.	NP_00113	.	protein_co	ENSG0000	654254	37138
ZNF735	0	0	0	0	0	0	zinc finger protein 735 [Source:HGNC Symbol;Acc:HGNC:32466]	chr7:63667	NM_00115	.	.	.	NP_00115	.	protein_co	ENSG0000	730291	32466
ZNF736	0	0	0.010638	0	0	0	zinc finger protein 736 [Source:HGNC Symbol;Acc:HGNC:32467]	chr7:63773	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	728927	32467
ZNF737	0	0	0	0	0	0	zinc finger protein 737 [Source:HGNC Symbol;Acc:HGNC:32468]	chr19:2072	NM_00115	.	.	.	NP_00115	XP_005259	protein_co	ENSG0000	100129842	32468
ZNF738	7.09656	8.97461	3.66707	9.47486	8.6265	4.52731	zinc finger protein 738 [Source:HGNC Symbol;Acc:HGNC:32469]	chr19:2154	.	.	.	.	.	.	protein_co	ENSG0000	.	32469
ZNF74	8.25141	7.29059	7.93665	6.25539	6.55653	7.41002	zinc finger protein 74 [Source:HGNC Symbol;Acc:HGNC:13144]	chr22:2074	NM_00125	.	.	.	NP_00124	.	protein_co	ENSG0000	7625	13144
ZNF740	6.75052	7.839	7.36283	5.33069	5.31104	6.54974	zinc finger protein 740 [Source:HGNC Symbol;Acc:HGNC:27465]	chr12:5355	NM_00100	XM_00671	.	.	NP_00100	XP_006719	protein_co	ENSG0000	283337	27465
ZNF746	10.7157	10.5377	10.4159	6.95047	6.47034	5.76668	zinc finger protein 746 [Source:HGNC Symbol;Acc:HGNC:21948]	chr7:14916	NM_00116	XM_01151	.	.	NP_00115	XP_005250	protein_co	ENSG0000	155061	21948
ZNF747	2.10585	2.68186	1.83057	1.36543	1.72926	1.54718	zinc finger protein 747 [Source:HGNC Symbol;Acc:HGNC:28350]	chr16:3054	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	65988	28350
ZNF749	4.06775	4.16766	3.6958	3.65429	4.31344	4.63428	zinc finger protein 749 [Source:HGNC Symbol;Acc:HGNC:32783]	chr19:5787	NM_00102	.	.	.	NP_00101	XP_011525	protein_co	ENSG0000	388567	32783
ZNF750	0	0	0.036504	0	0	0.0227	zinc finger protein 750 [Source:HGNC Symbol;Acc:HGNC:25843]	chr17:8070	NM_02470	.	.	.	NP_07897	.	protein_co	ENSG0000	79755	25843
ZNF75A	6.88323	7.13722	6.21823	5.98018	6.75284	5.73943	zinc finger protein 75a [Source:HGNC Symbol;Acc:HGNC:13146]	chr16:3348	NM_15302	XM_01152	NR_12606	.	NP_69457	XP_011520	protein_co	ENSG0000	7627	13146
ZNF75D	3.40647	2.76658	2.81281	1.76737	2.39428	2.72307	zinc finger protein 75D [Source:HGNC Symbol;Acc:HGNC:13145]	chrX:13441	NM_00118	XM_01153	.	.	NP_00117	XP_005262	protein_co	ENSG0000	7626	13145
ZNF76	13.0985	13.3459	13.3307	13.3642	12.7611	11.9046	zinc finger protein 76 [Source:HGNC Symbol;Acc:HGNC:13149]	chr6:35227	NM_00129	XM_01701	.	.	NP_00127	XP_011513	protein_co	ENSG0000	7629	13149
ZNF761	8.02346	6.67087	6.5479	6.91303	7.0593	6.07407	zinc finger protein 761 [Source:HGNC Symbol;Acc:HGNC:23179]	chr19:5393	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	388561	23179
ZNF763	0.097443	0.197799	0.050338	0.105269	0.15538	0.046223	zinc finger protein 763 [Source:HGNC Symbol;Acc:HGNC:27614]	chr19:1203	NM_00101	.	.	.	NP_00101	.	protein_co	ENSG0000	284390	27614
ZNF764	3.34301	3.61548	3.1674	3.07077	3.14571	2.89517	zinc finger protein 764 [Source:HGNC Symbol;Acc:HGNC:28200]	chr16:3054	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	92595	28200
ZNF765	3.00475	2.81772	2.95468	2.13852	2.73671	2.6671	zinc finger protein 765 [Source:HGNC Symbol;Acc:HGNC:25092]	chr19:5389	NM_00104	XM_00672	.	.	NP_00103	XP_006723	protein_co	ENSG0000	91661	25092
ZNF766	7.72345	6.93274	6.87727	6.77026	10.389	10.4929	zinc finger protein 766 [Source:HGNC Symbol;Acc:HGNC:28063]	chr19:5277	NM_00101	.	.	.	NP_00101	XP_011525	protein_co	ENSG0000	90321	28063
ZNF768	32.5988	33.7538	36.4599	40.4229	32.5589	37.5615	zinc finger protein 768 [Source:HGNC Symbol;Acc:HGNC:26273]	chr16:3053	NM_02467	.	.	.	NP_07894	XP_016879	protein_co	ENSG0000	79724	26273
ZNF77	4.59439	5.40788	4.42622	5.57098	4.84917	5.5006	zinc finger protein 77 [Source:HGNC Symbol;Acc:HGNC:13150]	chr19:2933	NM_02121	.	.	.	NP_06704	.	protein_co	ENSG0000	58492	13150
ZNF770	21.3881	22.5734	21.8208	20.278	29.6285	29.7899	zinc finger protein 770 [Source:HGNC Symbol;Acc:HGNC:26061]	chr15:3527	NM_01410	XM_01152	.	.	NP_05482	XP_011520	protein_co	ENSG0000	54989	26061
ZNF771	8.49466	7.03477	6.66695	9.38832	6.55872	5.88141	zinc finger protein 771 [Source:HGNC Symbol;Acc:HGNC:29653]	chr16:3041	NM_00114	.	.	.	NP_00113	.	protein_co	ENSG0000	51333	29653
ZNF772	0.274252	0.550492	0.496119	0.080386	0.10179	0.142653	zinc finger protein 772 [Source:HGNC Symbol;Acc:HGNC:33106]	chr19:5787	NM_00102	XM_00525	.	.	NP_00101	XP_005259	protein_co	ENSG0000	400720	33106
ZNF773	0.030477	0.035154	0	0	0.075464	0.135118	zinc finger protein 773 [Source:HGNC Symbol;Acc:HGNC:30487]	chr19:5801	NM_00130	.	.	.	NP_00129	.	protein_co	ENSG0000	374928	30487
ZNF774	1.11356	1.16475	1.51236	1.51872	1.11306	1.35896	zinc finger protein 774 [Source:HGNC Symbol;Acc:HGNC:33108]	chr15:9089	NM_00100	XM_01702	.	.	NP_00100	XP_016877	protein_co	ENSG0000	342132	33108
ZNF775	0.87461	2.11338	1.59797	0.907306	0.632966	2.06323	zinc finger protein 775 [Source:HGNC Symbol;Acc:HGNC:28501]	chr7:15010	NM_17368	XM_01151	.	.	NP_77595	XP_011514	protein_co	ENSG0000	285971	28501
ZNF776	4.74924	5.75179	4.10457	4.97205	5.08278	5.4825	zinc finger protein 776 [Source:HGNC Symbol;Acc:HGNC:26765]	chr19:5819	NM_17363	.	.	.	NP_77590	.	protein_co	ENSG0000	284309	26765
ZNF777	7.61871	9.09697	6.46583	7.23144	6.86512	5.87941	zinc finger protein 777 [Source:HGNC Symbol;Acc:HGNC:22213]	chr7:14912	NM_01569	XM_01151	.	.	NP_05650	XP_005250	protein_co	ENSG0000	27153	22213
ZNF778	6.02356	7.14485	7.42174	6.56747	6.37258	6.19907	zinc finger protein 778 [Source:HGNC Symbol;Acc:HGNC:26479]	chr16:8928	NM_00120	XM_01152	.	.	NP_00118	XP_005256	protein_co	ENSG0000	197320	26479
ZNF780A	4.63096	4.76317	3.87048	3.63234	4.33367	5.05403	zinc finger protein 780A [Source:HGNC Symbol;Acc:HGNC:27603]	chr19:4057	NM_00101	XM_01702	.	.	NP_00101	XP_005258	protein_co	ENSG0000	284323	27603
ZNF780B	2.69641	2.27283	2.89142	2.23821	2.88	2.25513	zinc finger protein 780B [Source:HGNC Symbol;Acc:HGNC:33109]	chr19:4053	NM_00100	XM_01152	.	.	NP_00100	XP_005258	protein_co	ENSG0000	163131	33109
ZNF781	0	0	0	0	0.036592	0	zinc finger protein 781 [Source:HGNC Symbol;Acc:HGNC:26745]	chr19:3815	NM_15260	XM_01152	.	.	NP_68981	XP_006723	protein_co	ENSG0000	163115	26745
ZNF782	1.16904	0.770666	0.971825	0.819651	0.890774	0.848034	zinc finger protein 782 [Source:HGNC Symbol;Acc:HGNC:33110]	chr9:99578	NM_00100	XM_01151	.	.	NP_00100	XP_005251	protein_co	ENSG0000	158431	33110
ZNF783	3.26431	2.95554	3.16377	1.64025	1.67165	1.40753	zinc finger family member 783 [Source:HGNC Symbol;Acc:HGNC:2	chr7:14895	NM_00119	XM_01151	.	.	NP_00118	XP_011514	protein_co	ENSG0000	100289678	27222
ZNF784	2.6984	2.70049	2.36563	2.68214	2.14199	2.00257	zinc finger protein 784 [Source:HGNC Symbol;Acc:HGNC:33111]	chr19:5613	NM_20337	.	.	.	NP_97630	.	protein_co	ENSG0000	147808	33111
ZNF785	0	0	0	0	0	0	zinc finger protein 785 [Source:HGNC Symbol;Acc:HGNC:26496]	chr16:3058	NM_15245	XM_01154	.	.	NP_68967	XP_011544	protein_co	ENSG0000	146540	26496
ZNF786	5.39479	5.66628	6.42473	6.43456	5.89075	5.41248	zinc finger protein 786 [Source:HGNC Symbol;Acc:HGNC:21806]	chr7:14876	NM_15241	.	.	.	NP_68962	.	protein_co	ENSG0000	136051	21806
ZNF787	23.9817	22.6856	20.8571	24.8066	24.4983	23.363	zinc finger protein 787 [Source:HGNC Symbol;Acc:HGNC:26998]	chr19:5659	NM_00100	XM_01152	.	.	NP_00100	XP_011524	protein_co	ENSG0000	126208	26998
ZNF788	0	0	0	0	0	0	zinc finger family member 788 [Source:HGNC Symbol;Acc:HGNC:3	chr19:1220	.	.	.	.	.	.	protein_co	ENSG0000	.	33112
ZNF789	4.23434	2.82907	3.18836	2.37424	2.79557	3.04703	zinc finger protein 789 [Source:HGNC Symbol;Acc:HGNC:27801]	chr7:99070	NM_00101	.	.	.	NP_00101	XP_011514	protein_co	ENSG0000	285989	27801
ZNF79	3.99492	4.38962	4.29926	2.94082	2.86402	2.78413	zinc finger protein 79 [Source:HGNC Symbol;Acc:HGNC:13153]	chr9:13018	NM_00128	XM_01151	.	.	NP_00127	XP_006717	protein_co	ENSG0000	7633	13153
ZNF790	0.030131	0	0	0	0	0	zinc finger protein 790 [Source:HGNC Symbol;Acc:HGNC:33114]	chr19:3730	NM_00124	XM_01152	.	.	NP_00122	XP_005258	protein_co	ENSG0000	388536	33114
ZNF791	6.80133	6.69229	6.71554	4.93794	6.21767	7.06185	zinc finger protein 791 [Source:HGNC Symbol;Acc:HGNC:26895]	chr19:1272	NM_15335	XM_01702	.	.	NP_69918	XP_016881	protein_co	ENSG0000	163049	26895
ZNF792	1.11978	1.09917	1.50989	1.33774	1.53013	0.975023	zinc finger protein 792 [Source:HGNC Symbol;Acc:HGNC:24751]	chr19:3544	NM_17587	.	.	.	NP_78706	.	protein_co	ENSG0000	126375	24751
ZNF793	0.02244	0	0	0	0	0	zinc finger protein 793 [Source:HGNC Symbol;Acc:HGNC:33115]	chr19:3799	NM_00101	XM_01152	.	.	NP_00101	XP_005258	protein_co	ENSG0000	390927	33115
ZNF799	2.92395	2.439	2.17718	2.7864	3.0659	2.95652	zinc finger protein 799 [Source:HGNC Symbol;Acc:HGNC:28071]	chr19:1250	NM_00108	XM_01152	.	.	NP_00107	XP_011526	protein_co	ENSG0000	90576	28071
ZNF8	3.90887	4.38489	4.03168	3.67903	4.25909	3.99964	zinc finger protein 8 [Source:HGNC Symbol;Acc:HGNC:13154]	chr19:5879	NM_02108	.	.	.	NP_06657	.	protein_co	ENSG0000	7554	13154
ZNF80	0.06196	0.033787	0.08289	0	0.035182	0	zinc finger protein 80 [Source:HGNC Symbol;Acc:HGNC:13155]	chr3:11395	NM_00713	.	.	.	NP_00906	XP_016862	protein_co	ENSG0000	7634	13155
ZNF800	8.08391	7.49414	8.74313	6.07362	10.2977	9.00141	zinc finger protein 800 [Source:HGNC Symbol;Acc:HGNC:27267]	chr7:12701	NM_17681	XM_00525	.	.	NP_78978	XP_005250	protein_co	ENSG0000	168850	27267
ZNF804A	1.52085	0.994668	1.5213	1.07586	1.38844	1.19494	zinc finger protein 804A [Source:HGNC Symbol;Acc:HGNC:21711]	chr2:18546	NM_19425	.	.	.	NP_91922	.	protein_co	ENSG0000	91752	21711

ZNF804B	0	0	0	0	0	0	zinc finger protein 804B [Source:HGNC Symbol;Acc:HGNC:21958]	chr7:88388	NM_18164	.	.	.	NP_85759	.	protein_co	ENSG0000	219578	21958
ZNF805	2.3951	3.4045	3.14596	2.28194	2.12656	2.78134	zinc finger protein 805 [Source:HGNC Symbol;Acc:HGNC:23272]	chr19:5775	NM_00102	.	.	.	NP_00101	.	protein_co	ENSG0000	390980	23272
ZNF808	4.03277	2.75754	3.40375	3.12867	4.69302	5.74644	zinc finger protein 808 [Source:HGNC Symbol;Acc:HGNC:33230]	chr19:5303	NM_00103	XM_01152	.	.	NP_00103	XP_005258	protein_co	ENSG0000	388558	33230
ZNF81	1.27607	1.78935	1.51709	1.322	1.71227	1.66257	zinc finger protein 81 [Source:HGNC Symbol;Acc:HGNC:13156]	chrX:47696	NM_00713	XM_01154	.	.	NP_00906	XP_005272	protein_co	ENSG0000	347344	13156
ZNF812	0	0	0	0	0	0.031434	zinc finger protein 812, pseudogene [Source:HGNC Symbol;Acc:H	chr19:9800	NM_00119	XM_01152	.	.	NP_00118	.	protein_co	ENSG0000	.	33242
ZNF813	0	0	0.009804	0	0	0.011092	zinc finger protein 813 [Source:HGNC Symbol;Acc:HGNC:33257]	chr19:5397	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	126017	33257
ZNF814	0.492601	0.700887	0.684086	0.557975	0.428575	0.504261	zinc finger protein 814 [Source:HGNC Symbol;Acc:HGNC:33258]	chr19:5828	NM_00114	.	.	.	NP_00113	XP_016882	protein_co	ENSG0000	730051	33258
ZNF816	4.58083	3.99782	4.41301	3.74104	4.34735	4.73316	zinc finger protein 816 [Source:HGNC Symbol;Acc:HGNC:26995]	chr19:5337	NM_00103	.	.	.	NP_00102	.	protein_co	ENSG0000	125893	26995
ZNF816-ZNF321P	1.09989	1.21558	1.15984	1.31008	1.256	1.113	ZNF816-ZNF321P readthrough [Source:HGNC Symbol;Acc:HGNC:	chr19:5337	NM_00120	.	.	.	NP_00118	.	protein_co	ENSG0000	10052924	38879
ZNF821	2.11484	1.86149	2.04932	2.52033	1.70602	2.17842	zinc finger protein 821 [Source:HGNC Symbol;Acc:HGNC:28043]	chr16:7189	NM_00120	XM_01702	.	.	NP_00118	XP_005256	protein_co	ENSG0000	55565	28043
ZNF823	4.77958	4.31391	3.91692	4.61628	3.74333	3.67036	zinc finger protein 823 [Source:HGNC Symbol;Acc:HGNC:30936]	chr19:1183	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	55552	30936
ZNF827	3.93749	4.45577	4.63283	7.00076	8.01728	5.76968	zinc finger protein 827 [Source:HGNC Symbol;Acc:HGNC:27193]	chr4:14667	NM_00130	XM_01153	.	.	NP_00129	XP_011529	protein_co	ENSG0000	152485	27193
ZNF829	0	0	0	0.014816	0	0	zinc finger protein 829 [Source:HGNC Symbol;Acc:HGNC:34032]	chr19:3730	NM_00103	XM_01152	.	.	NP_00103	XP_005258	protein_co	ENSG0000	374899	34032
ZNF83	11.7209	10.8075	13.1749	9.64206	11.3355	13.5615	zinc finger protein 83 [Source:HGNC Symbol;Acc:HGNC:13158]	chr19:5309	NM_00110	XM_01152	.	.	NP_00109	XP_016882	protein_co	ENSG0000	55769	13158
ZNF830	10.3234	11.156	8.02563	9.91841	9.44142	6.83862	zinc finger protein 830 [Source:HGNC Symbol;Acc:HGNC:28291]	chr17:3328	NM_05285	.	.	.	NP_44308	.	protein_co	ENSG0000	91603	28291
ZNF831	0.006655	0.024091	0.006812	0.008643	0.008919	0	zinc finger protein 831 [Source:HGNC Symbol;Acc:HGNC:16167]	chr20:5769	NM_17845	XM_01152	.	.	NP_84855	XP_005260	protein_co	ENSG0000	128611	16167
ZNF835	0	0	0	0	0	0	zinc finger protein 835 [Source:HGNC Symbol;Acc:HGNC:34332]	chr19:5717	NM_00100	XM_00525	.	.	NP_00100	XP_005259	protein_co	ENSG0000	90485	34332
ZNF836	0	0	0	0	0	0	zinc finger protein 836 [Source:HGNC Symbol;Acc:HGNC:34333]	chr19:5265	NM_00110	XM_01152	.	.	NP_00109	XP_011524	protein_co	ENSG0000	162962	34333
ZNF837	0.970353	1.52086	1.95734	1.25423	1.01112	1.62895	zinc finger protein 837 [Source:HGNC Symbol;Acc:HGNC:25164]	chr19:5887	NM_13846	.	.	.	NP_61247	XP_016881	protein_co	ENSG0000	116412	25164
ZNF839	7.80498	7.46987	7.05873	6.52501	7.18898	6.66033	zinc finger protein 839 [Source:HGNC Symbol;Acc:HGNC:20345]	chr14:1027	NM_00126	XM_01153	.	.	NP_00125	XP_006720	protein_co	ENSG0000	55778	20345
ZNF84	5.29497	5.55621	4.59298	3.3264	3.62828	3.32106	zinc finger protein 84 [Source:HGNC Symbol;Acc:HGNC:13159]	chr12:1336	NM_00112	XM_01153	.	.	NP_00112	XP_005266	protein_co	ENSG0000	7637	13159
ZNF841	0	0	0	0	0	0	zinc finger protein 841 [Source:HGNC Symbol;Acc:HGNC:27611]	chr19:5256	NM_00113	XM_01702	.	.	NP_00112	XP_011525	protein_co	ENSG0000	284371	27611
ZNF843	0.375117	0.545343	0.539296	0.327355	0.30184	0.22493	zinc finger protein 843 [Source:HGNC Symbol;Acc:HGNC:28710]	chr16:3144	NM_00113	.	.	.	NP_00112	.	protein_co	ENSG0000	283933	28710
ZNF844	0.010473	0	0	0	0	0	zinc finger protein 844 [Source:HGNC Symbol;Acc:HGNC:25932]	chr19:1217	NM_00113	XM_01702	.	.	NP_00112	XP_016882	protein_co	ENSG0000	284391	25932
ZNF845	2.64289	3.24466	2.64347	2.85967	4.8652	4.44863	zinc finger protein 845 [Source:HGNC Symbol;Acc:HGNC:25112]	chr19:5383	NM_13837	XM_00672	.	.	NP_00130	XP_005259	protein_co	ENSG0000	91664	25112
ZNF846	0.570555	0.340824	0.32507	0.175668	0.318453	0.700134	zinc finger protein 846 [Source:HGNC Symbol;Acc:HGNC:27260]	chr19:9862	NM_00107	XM_01152	.	.	NP_00107	XP_005259	protein_co	ENSG0000	162993	27260
ZNF85	1.79542	1.62395	1.78127	2.63496	1.65703	1.87488	zinc finger protein 85 [Source:HGNC Symbol;Acc:HGNC:13160]	chr19:2110	NM_00125	.	.	.	NP_00124	XP_016882	protein_co	ENSG0000	7639	13160
ZNF850	0.322557	0.749815	0.375777	0.011692	0	0	zinc finger protein 850 [Source:HGNC Symbol;Acc:HGNC:27994]	chr19:3717	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	342892	27994
ZNF852	2.03341	2.60497	2.14281	1.53555	2.42501	2.45662	zinc finger protein 852 [Source:HGNC Symbol;Acc:HGNC:27713]	chr3:44540	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	285346	27713
ZNF853	0.088675	0.043295	0.019085	0	0.051993	0.024615	zinc finger protein 853 [Source:HGNC Symbol;Acc:HGNC:21767]	chr7:66552	NM_01756	XM_01701	.	.	NP_06003	XP_011513	protein_co	ENSG0000	54753	21767
ZNF860	1.26906	1.90966	1.66827	1.32045	1.48436	1.75519	zinc finger protein 860 [Source:HGNC Symbol;Acc:HGNC:34513]	chr3:32023	NM_00113	.	.	.	NP_00113	XP_016861	protein_co	ENSG0000	344787	34513
ZNF862	2.24846	2.43859	2.66971	1.68351	1.5528	1.85697	zinc finger protein 862 [Source:HGNC Symbol;Acc:HGNC:34519]	chr7:14953	NM_00109	XM_01701	.	.	NP_00109	XP_006716	protein_co	ENSG0000	643641	34519
ZNF865	7.32359	7.90132	8.13309	8.15539	7.44524	8.61249	zinc finger protein 865 [Source:HGNC Symbol;Acc:HGNC:38705]	chr19:5611	NM_00119	.	.	.	NP_00118	.	protein_co	ENSG0000	10050729	38705
ZNF878	0	0	0	0	0	0	zinc finger protein 878 [Source:HGNC Symbol;Acc:HGNC:37246]	chr19:1215	NM_00108	.	.	.	NP_00107	XP_016882	protein_co	ENSG0000	729747	37246
ZNF879	0	0	0	0	0	0	zinc finger protein 879 [Source:HGNC Symbol;Acc:HGNC:37273]	chr5:17845	NM_00113	XM_01153	.	.	NP_00112	XP_005265	protein_co	ENSG0000	345462	37273
ZNF880	0.029108	0.031176	0	0.184575	0	0	zinc finger protein 880 [Source:HGNC Symbol;Acc:HGNC:37249]	chr19:5287	NM_00114	.	.	.	NP_00113	XP_016882	protein_co	ENSG0000	400713	37249
ZNF891	0	0	0	0	0	0	zinc finger protein 891 [Source:HGNC Symbol;Acc:HGNC:38709]	chr12:1336	NM_00127	.	.	.	NP_00126	XP_016874	protein_co	ENSG0000	10106020	38709
ZNF90	0	0	0	0	0	0	zinc finger protein 90 [Source:HGNC Symbol;Acc:HGNC:13165]	chr19:2018	NM_00713	.	.	.	NP_00906	.	protein_co	ENSG0000	7643	13165
ZNF91	2.36057	2.49846	3.22699	1.43638	2.37244	1.70455	zinc finger protein 91 [Source:HGNC Symbol;Acc:HGNC:13166]	chr19:2352	NM_00130	XM_01152	.	.	NP_00128	XP_006722	protein_co	ENSG0000	7644	13166
ZNF92	4.97118	3.83644	4.47374	4.43464	7.09242	6.57043	zinc finger protein 92 [Source:HGNC Symbol;Acc:HGNC:13168]	chr7:64838	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	168374	13168
ZNF93	0	0	0	0	0	0	zinc finger protein 93 [Source:HGNC Symbol;Acc:HGNC:13169]	chr19:2001	NM_03121	.	.	.	NP_11249	.	protein_co	ENSG0000	81931	13169
ZNF98	0	0	0	0	0	0	zinc finger protein 98 [Source:HGNC Symbol;Acc:HGNC:13174]	chr19:2257	NM_00109	XM_01152	.	.	NP_00109	XP_011526	protein_co	ENSG0000	148198	13174
ZNF99	0	0	0	0	0	0	zinc finger protein 99 [Source:HGNC Symbol;Acc:HGNC:13175]	chr19:2293	NM_00108	.	.	.	NP_00107	.	protein_co	ENSG0000	7652	13175
ZNFX1	17.5524	18.4351	14.7661	17.8447	17.9583	12.7697	zinc finger NFX1-type containing 1 [Source:HGNC Symbol;Acc:HG	chr20:4783	NM_02103	XM_01152	.	.	NP_06636	XP_006723	protein_co	ENSG0000	57169	29271
ZNHIT1	49.8804	47.0462	52.0428	55.1742	35.4013	44.054	zinc finger HIT-type containing 1 [Source:HGNC Symbol;Acc:HGN	chr7:10084	NM_00634	.	.	.	NP_00634	.	protein_co	ENSG0000	10467	21688
ZNHIT2	16.2106	18.889	15.0772	21.8051	19.1088	14.0592	zinc finger HIT-type containing 2 [Source:HGNC Symbol;Acc:HGN	chr11:6488	NM_01420	.	.	.	NP_05502	.	protein_co	ENSG0000	741	1177
ZNHIT3	44.1248	39.7214	40.9662	50.4745	42.856	42.3034	zinc finger HIT-type containing 3 [Source:HGNC Symbol;Acc:HGN	chr17:3484	NM_00128	.	NR_10401	.	NP_00126	.	protein_co	ENSG0000	9326	12309
ZNHIT6	11.1092	11.7749	10.4516	9.24597	12.6131	12.4758	zinc finger HIT-type containing 6 [Source:HGNC Symbol;Acc:HGN	chr1:86115	NM_00117	.	.	.	NP_00116	.	protein_co	ENSG0000	54680	26089
ZNRD1	54.102	46.112	39.2371	63.9251	46.1946	40.9869	zinc ribbon domain containing 1 [Source:HGNC Symbol;Acc:HGN	chr6:30029	NM_00127	.	.	.	NP_00126	.	protein_co	ENSG0000	30834	13182
ZNRF1	26.2219	30.1011	30.2053	28.5363	25.4109	31.3337	zinc and ring finger 1, E3 ubiquitin protein ligase [Source:HGNC S	chr16:7503	NM_03226	XM_01152	.	.	NP_11564	XP_011521	protein_co	ENSG0000	84937	18452
ZNRF2	4.75705	5.00669	4.57863	4.49508	3.86084	6.07412	zinc and ring finger 2, E3 ubiquitin protein ligase [Source:HGNC S	chr7:30323	NM_14712	XM_01151	.	.	NP_66733	XP_011513	protein_co	ENSG0000	223082	22316
ZNRF3	6.03777	6.26776	6.78178	8.14691	7.73358	7.20092	zinc and ring finger 3 [Source:HGNC Symbol;Acc:HGNC:18126]	chr22:2927	NM_00120	XM_01153	.	.	NP_00119	XP_005261	protein_co	ENSG0000	84133	18126
ZNRF4	0.069832	0.067449	0	0	0	0	zinc and ring finger 4 [Source:HGNC Symbol;Acc:HGNC:17726]	chr19:5455	NM_18171	.	.	.	NP_85906	.	protein_co	ENSG0000	148066	17726
ZP1	0	0	0	0	0	0	zona pellucida glycoprotein 1 [Source:HGNC Symbol;Acc:HGNC:1	chr11:6063	NM_20734	.	.	.	NP_99722	.	protein_co	ENSG0000	22917	13187
ZP2	0	0	0	0	0	0	zona pellucida glycoprotein 2 [Source:HGNC Symbol;Acc:HGNC:1	chr16:2120	NM_00129	XM_01154	.	.	NP_00127	XP_011544	protein_co	ENSG0000	7783	13188
ZP3	4.75496	4.10169	4.37661	7.10865	5.00029	5.30874	zona pellucida glycoprotein 3 (sperm receptor) [Source:HGNC Syr	chr7:76018	NM_00111	.	.	.	NP_00110	.	protein_co	ENSG0000	7784	13189
ZP4	0	0	0	0	0	0	zona pellucida glycoprotein 4 [Source:HGNC Symbol;Acc:HGNC:1	chr1:23804	NM_02118	.	.	.	NP_06700	.	protein_co	ENSG0000	57829	15770
ZPBP	0	0	0	0	0	0	zona pellucida binding protein [Source:HGNC Symbol;Acc:HGNC:1	chr7:49977	NM_00115	XM_01151	.	.	NP_00115	XP_011513	protein_co	ENSG0000	11055	15662
ZPBP2	0	0	0	0	0	0	zona pellucida binding protein 2 [Source:HGNC Symbol;Acc:HGN	chr17:3802	NM_19884	.	.	.	NP_94214	.	protein_co	ENSG0000	124626	20678

ZPLD1	0.051269	0.027685	0.044573	0.057265	0.02816	0.052048	zona pellucida like domain containing 1 [Source:HGNC Symbol;Ac	chr3:10181	NM_17505	XM_01700	.	.	NP_77822	XP_01151	protein_co	ENSG0000	131368	27022
ZPR1	11.6169	12.1717	10.8488	13.7905	12.7404	9.02349	ZPR1 zinc finger [Source:HGNC Symbol;Acc:HGNC:13051]	chr11:1166	NM_00390	.	.	.	NP_00130	.	protein_co	ENSG0000	8882	13051
ZRANB1	12.4203	13.7349	12.1969	11.6423	12.5082	15.1592	zinc finger RANBP2-type containing 1 [Source:HGNC Symbol;Acc:	chr10:1266	NM_01758	XM_00671	.	.	NP_06005	XP_00526	protein_co	ENSG0000	54764	18224
ZRANB2	31.0127	31.2463	29.9589	29.8449	33.7265	24.5131	zinc finger RANBP2-type containing 2 [Source:HGNC Symbol;Acc:	chr1:71528	NM_00545	.	.	.	NP_00544	.	protein_co	ENSG0000	9406	13058
ZRANB3	2.70996	2.94441	2.84534	2.98895	3.57332	4.29941	zinc finger RANBP2-type containing 3 [Source:HGNC Symbol;Acc:	chr2:13580	NM_00128	XM_01151	.	.	NP_00127	XP_00526	protein_co	ENSG0000	84083	25249
ZRSR1	1.61749	1.65567	1.12907	1.41122	1.82983	1.32595	zinc finger CCCH-type, RNA binding motif and serine/arginine rich	chr5:11221	.	.	.	.	.	.	protein_co	ENSG0000	.	12456
ZRSR2	3.48547	3.43706	2.45321	4.02504	3.53225	2.51894	zinc finger CCCH-type, RNA binding motif and serine/arginine rich	chrX:15808	NM_00508	XM_01702	.	.	NP_00508	XP_00527	protein_co	ENSG0000	8233	23019
ZSCAN1	0	0	0	0	0	0	zinc finger and SCAN domain containing 1 [Source:HGNC Symbol;	chr19:5854	NM_18257	XM_01152	.	.	NP_87237	XP_00672	protein_co	ENSG0000	284312	23712
ZSCAN10	0	0.156019	0	0	0.064161	0.062301	zinc finger and SCAN domain containing 10 [Source:HGNC Symbo	chr16:3138	NM_00128	XM_01702	.	.	NP_00126	XP_01687	protein_co	ENSG0000	84891	12997
ZSCAN12	0.675281	0.883403	0.421772	0.63697	0.615643	0.76593	zinc finger and SCAN domain containing 12 [Source:HGNC Symbo	chr6:28346	.	.	.	.	NP_00115	XP_01151	protein_co	ENSG0000	9753	13172
ZSCAN16	4.96697	3.85046	4.22396	4.314	3.49279	3.76773	zinc finger and SCAN domain containing 16 [Source:HGNC Symbo	chr6:28092	NM_02523	XM_01151	.	.	NP_00130	XP_01151	protein_co	ENSG0000	80345	20813
ZSCAN18	0	0	0	0	0.04056	0	zinc finger and SCAN domain containing 18 [Source:HGNC Symbo	chr19:5859	NM_00114	XM_01152	.	.	NP_00113	XP_00525	protein_co	ENSG0000	65982	21037
ZSCAN2	6.3134	7.88425	7.2917	9.22465	6.68931	6.29123	zinc finger and SCAN domain containing 2 [Source:HGNC Symbol;	chr15:8514	NM_00100	XM_00672	.	.	NP_00100	XP_00525	protein_co	ENSG0000	54993	20994
ZSCAN20	2.81163	2.98967	2.33798	2.33651	2.78803	2.49358	zinc finger and SCAN domain containing 20 [Source:HGNC Symbo	chr1:33938	NM_14523	XM_00671	.	.	NP_66028	XP_00527	protein_co	ENSG0000	7579	13093
ZSCAN21	5.66537	5.90834	6.21296	6.53521	5.32187	6.43331	zinc finger and SCAN domain containing 21 [Source:HGNC Symbo	chr7:99647	NM_14591	XM_01701	.	.	NP_66601	XP_00525	protein_co	ENSG0000	7589	13104
ZSCAN22	1.99277	2.16061	1.65391	1.92957	1.67546	1.73268	zinc finger and SCAN domain containing 22 [Source:HGNC Symbo	chr19:5883	NM_00132	XM_01702	.	.	NP_00130	XP_00672	protein_co	ENSG0000	342945	4929
ZSCAN23	0	0	0	0	0	0	zinc finger and SCAN domain containing 23 [Source:HGNC Symbo	chr6:28400	NM_00101	XM_01151	.	.	NP_00101	XP_00524	protein_co	ENSG0000	222696	21193
ZSCAN25	4.70921	4.85518	4.81365	5.00482	4.51942	3.65948	zinc finger and SCAN domain containing 25 [Source:HGNC Symbo	chr7:99214	NM_14511	XM_01701	.	.	NP_66009	XP_00525	protein_co	ENSG0000	221785	21961
ZSCAN26	6.71849	7.73036	7.94367	6.19591	7.39405	8.85383	zinc finger and SCAN domain containing 26 [Source:HGNC Symbo	chr6:28234	NM_00102	XM_01151	.	.	NP_00101	XP_01151	protein_co	ENSG0000	7741	12978
ZSCAN29	7.32582	7.08516	6.93464	5.95818	6.20529	6.2606	zinc finger and SCAN domain containing 29 [Source:HGNC Symbo	chr15:4365	NM_15245	XM_01152	.	.	NP_68966	XP_00672	protein_co	ENSG0000	146050	26673
ZSCAN30	7.0469	6.71894	7.11603	6.1958	6.59167	6.62725	zinc finger and SCAN domain containing 30 [Source:HGNC Symbo	chr18:3282	NM_00111	XM_01702	.	.	NP_00110	XP_00525	protein_co	ENSG0000	100101467	33517
ZSCAN31	3.90691	3.74096	2.44334	2.76391	3.27744	2.95153	zinc finger and SCAN domain containing 31 [Source:HGNC Symbo	chr6:28292	NM_00113	XM_01151	.	.	NP_00112	XP_00524	protein_co	ENSG0000	64288	14097
ZSCAN32	12.1706	13.5652	12.9544	12.6392	15.1468	13.3397	zinc finger and SCAN domain containing 32 [Source:HGNC Symbo	chr16:3432	NM_00128	XM_01702	.	.	NP_00127	XP_00525	protein_co	ENSG0000	54925	20812
ZSCAN4	0	0	0.028403	0	0	0	zinc finger and SCAN domain containing 4 [Source:HGNC Symbol;	chr19:5818	NM_15267	XM_01152	.	.	NP_68989	XP_01152	protein_co	ENSG0000	201516	23709
ZSCAN5A	2.62783	2.74847	2.59516	3.51962	2.52549	2.51973	zinc finger and SCAN domain containing 5A [Source:HGNC Symbo	chr19:5673	NM_00132	XM_00672	.	.	NP_00130	XP_00525	protein_co	ENSG0000	79149	23710
ZSCAN5B	0	0	0.031038	0.038436	0	0	zinc finger and SCAN domain containing 5B [Source:HGNC Symbo	chr19:5670	NM_00108	XM_00672	.	.	NP_00107	XP_00525	protein_co	ENSG0000	342933	34246
ZSCAN5CP	0	0	0	0	0	0	zinc finger and SCAN domain containing 5C [Source:HGNC Symbo	chr19:5671	.	.	.	.	.	.	protein_co	ENSG0000	.	34294
ZSCAN9	10.1061	8.48988	8.29256	8.13815	8.13151	9.21491	zinc finger and SCAN domain containing 9 [Source:HGNC Symbol;	chr6:28193	NM_00119	XM_01151	.	.	NP_00118	XP_01686	protein_co	ENSG0000	7746	12984
ZSWIM1	4.89465	5.99987	5.77046	6.07991	6.26718	4.71849	zinc finger SWIM-type containing 1 [Source:HGNC Symbol;Acc:HG	chr20:4450	NM_08060	XM_01152	.	.	NP_54217	XP_00526	protein_co	ENSG0000	90204	16155
ZSWIM2	0	0	0	0	0	0	zinc finger SWIM-type containing 2 [Source:HGNC Symbol;Acc:HG	chr2:18769	NM_18252	.	.	.	NP_87232	.	protein_co	ENSG0000	151112	30990
ZSWIM3	1.57512	1.79003	1.54086	1.28969	1.22437	1.10924	zinc finger SWIM-type containing 3 [Source:HGNC Symbol;Acc:HG	chr20:4448	NM_08075	.	.	.	NP_54279	.	protein_co	ENSG0000	140831	16157
ZSWIM4	2.09964	2.50169	3.08416	1.47287	1.11602	2.26427	zinc finger SWIM-type containing 4 [Source:HGNC Symbol;Acc:HG	chr19:1390	NM_02307	XM_00526	.	.	NP_07556	XP_00526	protein_co	ENSG0000	65249	25704
ZSWIM5	0.519986	0.491558	0.610704	0.240504	0.187153	0.356893	zinc finger SWIM-type containing 5 [Source:HGNC Symbol;Acc:HG	chr1:45482	NM_02088	XM_01154	.	.	NP_06593	.	protein_co	ENSG0000	57643	29299
ZSWIM6	4.07465	4.19847	4.07904	3.1145	3.81034	3.9668	zinc finger SWIM-type containing 6 [Source:HGNC Symbol;Acc:HG	chr5:60628	NM_02092	.	.	.	NP_06597	.	protein_co	ENSG0000	57688	29316
ZSWIM7	23.6922	20.7391	23.0377	17.9754	15.6972	14.7576	zinc finger SWIM-type containing 7 [Source:HGNC Symbol;Acc:HG	chr17:1587	NM_00104	.	.	.	NP_00103	.	protein_co	ENSG0000	125150	26993
ZSWIM8	8.21584	8.20786	9.21611	5.80285	6.19017	6.20846	zinc finger SWIM-type containing 8 [Source:HGNC Symbol;Acc:HG	chr10:7554	NM_00124	XM_01153	.	.	NP_00122	XP_00526	protein_co	ENSG0000	23053	23528
ZUFSP	10.6666	9.6926	10.3461	9.66084	12.3294	11.1395	zinc finger with UFM1 specific peptidase domain [Source:HGNC S	chr6:11695	NM_14506	XM_01153	.	.	NP_65949	XP_01153	protein_co	ENSG0000	221302	21224
ZW10	16.0732	15.9513	14.2915	15.5427	18.1637	15.8829	zw10 kinetochore protein [Source:HGNC Symbol;Acc:HGNC:1319	chr11:1136	NM_00472	XM_01701	.	.	NP_00471	XP_01687	protein_co	ENSG0000	9183	13194
ZWILCH	14.906	15.1516	13.7087	15.2577	17.6298	14.5036	zwilch kinetochore protein [Source:HGNC Symbol;Acc:HGNC:254	chr15:6679	NM_00128	.	.	.	NP_00127	.	protein_co	ENSG0000	55055	25468
ZWINT	58.8639	57.849	50.6542	78.3912	70.2841	54.8167	ZW10 interacting kinetochore protein [Source:HGNC Symbol;Acc:	chr10:5811	NM_00100	.	.	.	NP_00100	.	protein_co	ENSG0000	11130	13195
ZXDA	1.1716	1.6259	1.37946	1.1963	1.31866	1.61519	zinc finger, X-linked, duplicated A [Source:HGNC Symbol;Acc:HGN	chrX:57933	NM_00715	.	.	.	NP_00908	.	protein_co	ENSG0000	7789	13198
ZXDB	3.41085	3.7459	3.46127	2.34547	3.2634	3.5125	zinc finger, X-linked, duplicated B [Source:HGNC Symbol;Acc:HGN	chrX:57618	NM_00715	.	.	.	NP_00908	.	protein_co	ENSG0000	158586	13199
ZXDC	8.92565	10.1146	10.8081	9.60321	9.01485	9.92194	ZXD family zinc finger C [Source:HGNC Symbol;Acc:HGNC:28160]	chr3:12615	NM_00104	XM_01151	.	.	NP_00103	XP_01151	protein_co	ENSG0000	79364	28160
ZYG11A	0.022689	0.02384	0.058733	0.025515	0.025351	0.1367	zyg-11 family member A, cell cycle regulator [Source:HGNC Symb	chr1:53308	NM_00100	XM_01154	.	.	NP_00100	XP_00671	protein_co	ENSG0000	440590	32058
ZYG11B	6.38564	6.57135	7.44404	5.07482	6.97429	8.10903	zyg-11 family member B, cell cycle regulator [Source:HGNC Symb	chr1:53192	NM_02464	XM_00671	.	.	NP_07892	XP_00671	protein_co	ENSG0000	79699	25820
ZYX	60.292	60.9202	56.0425	71.1401	59.5103	49.915	zyxin [Source:HGNC Symbol;Acc:HGNC:13200]	chr7:14307	NM_00101	XM_01701	.	.	NP_00101	XP_01151	protein_co	ENSG0000	7791	13200
ZZEF1	4.21101	4.17367	3.82344	3.21553	3.39259	3.21081	zinc finger ZZ-type and EF-hand domain containing 1 [Source:HGN	chr17:3907	NM_01511	XM_01152	.	.	NP_05592	XP_00525	protein_co	ENSG0000	23140	29027
ZZZ3	14.4829	15.1171	17.5219	16.2528	17.7916	18.8489	zinc finger ZZ-type containing 3 [Source:HGNC Symbol;Acc:HGNC:	chr1:78030	NM_00130	XM_00527	.	.	NP_00129	XP_00527	protein_co	ENSG0000	26009	24523

Table S4. List of DCLK1-binding proteins identified by co-IP and subsequent LC-MS analysis.

Identified proteins	Accession number	Molecular weight	Total Spectrum Count IP DCLK1	IP IgG
Isoform 2 of Eukaryotic translation initiation factor 3 subunit B OS=Homo sapiens OX=9606 GN=EIF3B	sp|P55884-2|EIF3B_HUMAN	99 kDa	7	0
Junction plakoglobin OS=Homo sapiens OX=9606 GN=JUP PE=1 SV=3	sp|P14923|PLAK_HUMAN (+1)	82 kDa	4	0
Endoplasmin OS=Homo sapiens OX=9606 GN=HSP90B1 PE=1 SV=1	sp|P14625|ENPL_HUMAN (+2)	92 kDa	4	0
Proteasome subunit alpha type-6 OS=Homo sapiens OX=9606 GN=PSMA6 PE=1 SV=1	sp|P60900|PSA6_HUMAN (+3)	27 kDa	4	0
Pyruvate kinase PKM OS=Homo sapiens OX=9606 GN=PKM PE=1 SV=4	sp|P14618|KPYM_HUMAN (+1)	58 kDa	4	0
ATP synthase subunit alpha OS=Homo sapiens OX=9606 GN=HEL-S-123m PE=2 SV=1	tr|V9HW26|V9HW26_HUMAN	60 kDa	4	0
60 kDa heat shock protein, mitochondrial OS=Homo sapiens OX=9606 GN=HSPD1 PE=1 SV=2	sp|P10809|CH60_HUMAN (+1)	61 kDa	4	0
L-lactate dehydrogenase B chain OS=Homo sapiens OX=9606 GN=LDHB PE=1 SV=2	sp|P07195|LDHB_HUMAN (+1)	37 kDa	3	0
Tropomodulin-3 OS=Homo sapiens OX=9606 GN=TMOD3 PE=1 SV=1	sp|Q9NYL9|TMOD3_HUMAN (+3)	40 kDa	3	0
X-ray repair cross-complementing protein 5 OS=Homo sapiens OX=9606 GN=XRCC5 PE=1 SV=3	sp|P13010|XRCC5_HUMAN	83 kDa	3	0
Isoform 2 of Sorbin and SH3 domain-containing protein 2 OS=Homo sapiens OX=9606 GN=SORBS2	sp|O94875-2|SRBS2_HUMAN (+2)	75 kDa	3	0
IGL@ protein OS=Homo sapiens OX=9606 GN=IGL@ PE=1 SV=1	tr|Q5FWF9|Q5FWF9_HUMAN	25 kDa	3	0
Isoform 2 of Fructose-bisphosphate aldolase A OS=Homo sapiens OX=9606 GN=ALDOA	sp|P04075-2|ALDOA_HUMAN (+2)	45 kDa	3	0
Keratin, type I cytoskeletal 13 OS=Homo sapiens OX=9606 GN=KRT13 PE=1 SV=4	sp|P13646|K1C13_HUMAN	50 kDa	2	0
Isoform 2 of Heat shock protein 75 kDa, mitochondrial OS=Homo sapiens OX=9606 GN=TRAP1	sp|Q12931-2|TRAP1_HUMAN (+1)	74 kDa	2	0
Drug-sensitive protein 1 OS=Homo sapiens OX=9606 GN=YA61 PE=2 SV=1	tr|Q9NZ23|Q9NZ23_HUMAN	15 kDa	2	0
Isoform 4 of Dynein heavy chain 14, axonemal OS=Homo sapiens OX=9606 GN=DNAH14	sp|Q0VDD8-4|DYH14_HUMAN	519 kDa	2	0
Isoform 2 of Nucleolar RNA helicase 2 OS=Homo sapiens OX=9606 GN=DDX21	sp|Q9NR30-2|DDX21_HUMAN (+1)	80 kDa	2	0
60S ribosomal protein L13a OS=Homo sapiens OX=9606 GN=RPL13A PE=1 SV=2	sp|P40429|RL13A_HUMAN (+4)	24 kDa	2	0
Isoform 1 of Voltage-dependent anion-selective channel protein 2 OS=Homo sapiens OX=9606 GN=VDAC2	sp|P45880-1|VDAC2_HUMAN (+5)	33 kDa	2	0
Receptor of activated protein C kinase 1 OS=Homo sapiens OX=9606 GN=RACK1 PE=1 SV=3	sp|P63244|RACK1_HUMAN	35 kDa	2	0
60S ribosomal protein L23a OS=Homo sapiens OX=9606 GN=RPL23A PE=1 SV=1	sp|P62750|RL23A_HUMAN (+4)	18 kDa	2	0
Valine--tRNA ligase OS=Homo sapiens OX=9606 GN=VARS PE=1 SV=4	sp|P26640|SYVC_HUMAN (+4)	140 kDa	2	0
Polyadenylate-binding protein 1 OS=Homo sapiens OX=9606 GN=PABPC1 PE=1 SV=2	sp|P11940|PABP1_HUMAN	71 kDa	2	0
cDNA FLJ30049 fis, clone ADRGL1000033, highly similar to 26S proteasome non-ATPase regulatory subunit 3 OS=	tr|B3KNN7|B3KNN7_HUMAN	57 kDa	2	0
T-complex protein 1 subunit theta OS=Homo sapiens OX=9606 GN=CCT8 PE=1 SV=4	sp|P50990|TCPQ_HUMAN	60 kDa	2	0
Isoform 2 of Adenosylhomocysteinase OS=Homo sapiens OX=9606 GN=AHCY	sp|P23526-2|SAHH_HUMAN (+2)	45 kDa	2	0
Isoform 2 of ATP-dependent RNA helicase DDX3X OS=Homo sapiens OX=9606 GN=DDX3X	sp|O00571-2|DDX3X_HUMAN (+1)	71 kDa	2	0
60S ribosomal protein L28 OS=Homo sapiens OX=9606 GN=RPL28 PE=1 SV=3	sp|P46779|RL28_HUMAN	16 kDa	2	0
Proliferation marker protein Ki-67 OS=Homo sapiens OX=9606 GN=MKI67 PE=1 SV=2	sp|P46013|KI67_HUMAN	359 kDa	1	0
40S ribosomal protein S4, X isoform OS=Homo sapiens OX=9606 GN=RPS4X PE=1 SV=2	sp|P62701|RS4X_HUMAN (+3)	30 kDa	1	0
Poly(rC)-binding protein 1 OS=Homo sapiens OX=9606 GN=PCBP1 PE=1 SV=2	sp|Q15365|PCBP1_HUMAN (+1)	37 kDa	1	0
Proliferating cell nuclear antigen OS=Homo sapiens OX=9606 GN=PCNA PE=1 SV=1	sp|P12004|PCNA_HUMAN (+1)	29 kDa	1	0
Actin-related protein 2/3 complex subunit 3 OS=Homo sapiens OX=9606 PE=2 SV=1	tr|B2R4D5|B2R4D5_HUMAN	21 kDa	1	0
60S ribosomal protein L23 OS=Homo sapiens OX=9606 GN=RPL23 PE=1 SV=1	sp|P62829|RL23_HUMAN (+5)	15 kDa	1	0
T-complex protein 1 subunit delta OS=Homo sapiens OX=9606 GN=CCT4 PE=1 SV=4	sp|P50991|TCPD_HUMAN	58 kDa	1	0
Histone deacetylase 1 OS=Homo sapiens OX=9606 GN=HDAC1 PE=1 SV=1	sp|Q13547|HDAC1_HUMAN (+1)	55 kDa	1	0
26S proteasome regulatory subunit 4 OS=Homo sapiens OX=9606 GN=PSMC1 PE=1 SV=1	sp|P62191|PRS4_HUMAN (+2)	49 kDa	1	0
Proteasome subunit beta type-5 OS=Homo sapiens OX=9606 GN=PSMB5 PE=1 SV=3	sp|P28074|PSB5_HUMAN	28 kDa	1	0
Malate dehydrogenase, mitochondrial OS=Homo sapiens OX=9606 GN=MDH2 PE=1 SV=3	sp|P40926|MDHM_HUMAN (+1)	36 kDa	1	0
40S ribosomal protein S14 OS=Homo sapiens OX=9606 GN=RPS14 PE=1 SV=3	sp|P62263|RS14_HUMAN (+1)	16 kDa	1	0
Profilin-1 OS=Homo sapiens OX=9606 GN=PFN1 PE=1 SV=2	sp|P07737|PROF1_HUMAN	15 kDa	1	0
Isoform 2 of Voltage-dependent anion-selective channel protein 3 OS=Homo sapiens OX=9606 GN=VDAC3	sp|Q9Y277-2|VDAC3_HUMAN (+1)	31 kDa	1	0
T-complex protein 1 subunit eta OS=Homo sapiens OX=9606 GN=CCT7 PE=1 SV=2	sp|Q99832|TCPH_HUMAN (+1)	59 kDa	1	0
40S ribosomal protein S8 OS=Homo sapiens OX=9606 GN=RPS8 PE=1 SV=2	sp|P62241|RS8_HUMAN (+2)	24 kDa	1	0
Epididymis luminal protein 215 OS=Homo sapiens OX=9606 GN=HEL-215 PE=2 SV=1	tr|Q6PUJ7|Q6PUJ7_HUMAN	30 kDa	1	0
10 kDa heat shock protein, mitochondrial OS=Homo sapiens OX=9606 GN=HSPE1 PE=1 SV=2	sp|P61604|CH10_HUMAN (+2)	11 kDa	1	0
DNA replication licensing factor MCM6 OS=Homo sapiens OX=9606 GN=MCM6 PE=1 SV=1	sp|Q14566|MCM6_HUMAN (+1)	93 kDa	1	0
Isoform 2 of Non-POU domain-containing octamer-binding protein OS=Homo sapiens OX=9606 GN=NONO	sp|Q15233-2|NONO_HUMAN (+3)	44 kDa	1	0
Splicing factor, proline- and glutamine-rich OS=Homo sapiens OX=9606 GN=SFPQ PE=1 SV=2	sp|P23246|SFPQ_HUMAN (+1)	76 kDa	1	0
GTP-binding nuclear protein Ran OS=Homo sapiens OX=9606 GN=RAN PE=1 SV=3	sp|P62826|RAN_HUMAN (+1)	24 kDa	1	0
Arginine--tRNA ligase, cytoplasmic OS=Homo sapiens OX=9606 GN=RARS PE=1 SV=2	sp|P54136|SYRC_HUMAN	75 kDa	1	0
14-3-3 protein epsilon OS=Homo sapiens OX=9606 GN=YWHAE PE=1 SV=1	sp|P62258|1433E_HUMAN	29 kDa	1	0
Isoform A1-A of Heterogeneous nuclear ribonucleoprotein A1 OS=Homo sapiens OX=9606 GN=HNRNPA1	sp|P09651-2|ROA1_HUMAN (+2)	34 kDa	1	0
Isoleucine--tRNA ligase, cytoplasmic OS=Homo sapiens OX=9606 GN=IARS PE=1 SV=2	sp|P41252|SYIC_HUMAN	145 kDa	1	0
Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform OS=Homo sapiens OX=9606	sp|P30153|2AAA_HUMAN (+5)	65 kDa	1	0
Lamin-B2 OS=Homo sapiens OX=9606 GN=LMNB2 PE=1 SV=4	sp|Q03252|LMNB2_HUMAN (+1)	70 kDa	1	0
Isoform 2 of Cold shock domain-containing protein E1 OS=Homo sapiens OX=9606 GN=CSDE1	sp|O75534-2|CSDE1_HUMAN (+5)	86 kDa	1	0
Isoform sGi2 of Guanine nucleotide-binding protein G(i) subunit alpha-2 OS=Homo sapiens OX=9606 GN=GNAI2	sp|P04899-4|GNAI2_HUMAN (+1)	42 kDa	1	0
Phosphoglycerate mutase 1 OS=Homo sapiens OX=9606 GN=PGAM1 PE=1 SV=2	sp|P18669|PGAM1_HUMAN (+2)	29 kDa	1	0
Kinesin-1 heavy chain OS=Homo sapiens OX=9606 GN=KIF5B PE=1 SV=1	sp|P33176|KINH_HUMAN	110 kDa	1	0
40S ribosomal protein S16 OS=Homo sapiens OX=9606 GN=RPS16 PE=1 SV=2	sp|P62249|RS16_HUMAN	16 kDa	1	0
ADP-ribosylation factor 4 OS=Homo sapiens OX=9606 GN=ARF4 PE=1 SV=3	sp|P18085|ARF4_HUMAN	21 kDa	1	0
ADP/ATP translocase 2 OS=Homo sapiens OX=9606 GN=SLC25A5 PE=1 SV=7	sp|P05141|ADT2_HUMAN (+1)	33 kDa	1	0
Elongation factor 1-alpha 2 OS=Homo sapiens OX=9606 GN=EEF1A2 PE=1 SV=1	sp|Q05639|EF1A2_HUMAN	50 kDa	0	0
Plectin OS=Homo sapiens OX=9606 GN=PLEC PE=1 SV=3	sp|Q15149|PLEC_HUMAN	532 kDa	0	0
Elongation factor 2 OS=Homo sapiens OX=9606 GN=EEF2 PE=1 SV=4	sp|P13639|EF2_HUMAN	95 kDa	0	0
Cytoplasmic dynein 1 heavy chain 1 OS=Homo sapiens OX=9606 GN=DYNC1H1 PE=1 SV=5	sp|Q14204|DYHC1_HUMAN	532 kDa	0	0
Peroxisome proliferator activated receptor interacting complex protein OS=Homo sapiens OX=9606 GN=PRIC295	tr|E1NZA1|E1NZA1_HUMAN	293 kDa	0	0
ATP synthase subunit beta, mitochondrial OS=Homo sapiens OX=9606 GN=ATP5F1B PE=1 SV=3	sp|P06576|ATPB_HUMAN (+1)	57 kDa	0	0
Protein disulfide-isomerase OS=Homo sapiens OX=9606 GN=P4HB PE=1 SV=3	sp|P07237|PDIA1_HUMAN (+1)	57 kDa	0	0
Ras GTPase-activating-like protein IQGAP1 OS=Homo sapiens OX=9606 GN=IQGAP1 PE=1 SV=1	sp|P46940|IQGA1_HUMAN	189 kDa	0	0
Leucine-rich PPR motif-containing protein, mitochondrial OS=Homo sapiens OX=9606 GN=LRPPRC PE=1 SV=3	sp|P42704|LPPRC_HUMAN	158 kDa	0	0
Ezrin OS=Homo sapiens OX=9606 GN=EZR PE=1 SV=4	sp|P15311|EZRI_HUMAN (+1)	69 kDa	0	0
Eukaryotic translation initiation factor 3 subunit A OS=Homo sapiens OX=9606 GN=EIF3A PE=1 SV=1	sp|Q14152|EIF3A_HUMAN	167 kDa	0	0
CAD protein OS=Homo sapiens OX=9606 GN=CAD PE=1 SV=3	sp|P27708|PYR1_HUMAN (+1)	243 kDa	0	0
Isoform 2 of Filamin-B OS=Homo sapiens OX=9606 GN=FLNB	sp|O75369-2|FLNB_HUMAN (+2)	276 kDa	0	0
Pre-mRNA-processing-splicing factor 8 OS=Homo sapiens OX=9606 GN=PRPF8 PE=1 SV=2	sp|Q6P2Q9|PRP8_HUMAN	274 kDa	0	0
Ubiquitin-40S ribosomal protein S27a OS=Homo sapiens OX=9606 GN=RPS27A PE=1 SV=2	sp|P62979|RS27A_HUMAN	18 kDa	0	0
Nesprin-1 OS=Homo sapiens OX=9606 GN=SYNE1 PE=1 SV=4	sp|Q8NF91|SYNE1_HUMAN	1011 kDa	0	0
Nucleolin OS=Homo sapiens OX=9606 GN=NCL PE=1 SV=3	sp|P19338|NUCL_HUMAN	77 kDa	0	0
Talin-1 OS=Homo sapiens OX=9606 GN=TLN1 PE=1 SV=3	sp|Q9Y490|TLN1_HUMAN	270 kDa	0	0
T-complex protein 1 subunit beta OS=Homo sapiens OX=9606 GN=CCT2 PE=1 SV=4	sp|P78371|TCPB_HUMAN (+1)	57 kDa	0	0
ATP-dependent RNA helicase A OS=Homo sapiens OX=9606 GN=DHX9 PE=1 SV=4	sp|Q08211|DHX9_HUMAN	141 kDa	0	0

Annexin A1 OS=Homo sapiens OX=9606 GN=ANXA1 PE=1 SV=2	sp|P04083|ANXA1_HUMAN	39 kDa	0	0
60S ribosomal protein L6 OS=Homo sapiens OX=9606 GN=RPL6 PE=2 SV=1	tr|Q8TBK5|Q8TBK5_HUMAN	33 kDa	0	0
Isoform 3 of Cytoskeleton-associated protein 5 OS=Homo sapiens OX=9606 GN=CKAP5	sp|Q14008-3|CKAP5_HUMAN (+1)	226 kDa	0	0
Microtubule-actin cross-linking factor 1, isoforms 1/2/3/5 OS=Homo sapiens OX=9606 GN=MACF1 PE=1 SV=4	sp|Q9UPN3|MACF1_HUMAN	838 kDa	0	0
Isoform 2 of Ubiquitin-like modifier-activating enzyme 1 OS=Homo sapiens OX=9606 GN=UBA1	sp|P22314-2|UBA1_HUMAN (+1)	114 kDa	0	0
X-ray repair cross-complementing protein 6 OS=Homo sapiens OX=9606 GN=XRCC6 PE=1 SV=2	sp|P12956|XRCC6_HUMAN (+1)	70 kDa	0	0
14-3-3 protein zeta/delta OS=Homo sapiens OX=9606 GN=YWHAZ PE=1 SV=1	sp|P63104|1433Z_HUMAN (+1)	28 kDa	0	0
Exportin-1 OS=Homo sapiens OX=9606 GN=XPO1 PE=1 SV=1	sp|O14980|XPO1_HUMAN	123 kDa	0	0
Isoform 2 of Triosephosphate isomerase OS=Homo sapiens OX=9606 GN=TPI1	sp|P60174-1|TPIS_HUMAN (+2)	27 kDa	0	0
Isoform 2 of Transketolase OS=Homo sapiens OX=9606 GN=TKT	sp|P29401-2|TKT_HUMAN (+3)	69 kDa	0	0
Nucleophosmin OS=Homo sapiens OX=9606 GN=NPM1 PE=1 SV=2	sp|P06748|NPM_HUMAN	33 kDa	0	0
Serine/arginine repetitive matrix protein 2 OS=Homo sapiens OX=9606 GN=SRRM2 PE=1 SV=2	sp|Q9UQ35|SRRM2_HUMAN	300 kDa	0	0
Isoform 2 of E3 ubiquitin-protein ligase UBR4 OS=Homo sapiens OX=9606 GN=UBR4	sp|Q5T4S7-2|UBR4_HUMAN (+3)	576 kDa	0	0
40S ribosomal protein SA OS=Homo sapiens OX=9606 GN=RPSA PE=1 SV=4	sp|P08865|RSSA_HUMAN (+3)	33 kDa	0	0
Phosphoglycerate kinase 1 OS=Homo sapiens OX=9606 GN=PGK1 PE=1 SV=3	sp|P00558|PGK1_HUMAN (+1)	45 kDa	0	0
U5 small nuclear ribonucleoprotein 200 kDa helicase OS=Homo sapiens OX=9606 GN=SNRNP200 PE=1 SV=2	sp|O75643|U520_HUMAN	245 kDa	0	0
T-complex protein 1 subunit zeta OS=Homo sapiens OX=9606 GN=CCT6A PE=1 SV=3	sp|P40227|TCPZ_HUMAN (+1)	58 kDa	0	0
Vacuolar protein sorting-associated protein 13C OS=Homo sapiens OX=9606 GN=VPS13C PE=1 SV=1	sp|Q709C8|VP13C_HUMAN	422 kDa	0	0
Midasin OS=Homo sapiens OX=9606 GN=MDN1 PE=1 SV=2	sp|Q9NU22|MDN1_HUMAN	633 kDa	0	0
Nucleoprotein TPR OS=Homo sapiens OX=9606 GN=TPR PE=1 SV=3	sp|P12270|TPR_HUMAN	267 kDa	0	0
Protein disulfide-isomerase A4 OS=Homo sapiens OX=9606 GN=PDIA4 PE=1 SV=2	sp|P13667|PDIA4_HUMAN (+1)	73 kDa	0	0
Isoform 2 of Coatomer subunit alpha OS=Homo sapiens OX=9606 GN=COPA	sp|P53621-2|COPA_HUMAN (+1)	139 kDa	0	0
Nuclear mitotic apparatus protein 1 OS=Homo sapiens OX=9606 GN=NUMA1 PE=1 SV=2	sp|Q14980|NUMA1_HUMAN	238 kDa	0	0
Isoform 6 of Microtubule-associated protein 4 OS=Homo sapiens OX=9606 GN=MAP4	sp|P27816-6|MAP4_HUMAN (+1)	120 kDa	0	0
T-complex protein 1 subunit epsilon OS=Homo sapiens OX=9606 GN=CCT5 PE=1 SV=1	sp|P48643|TCPE_HUMAN	60 kDa	0	0
ACLY variant protein (Fragment) OS=Homo sapiens OX=9606 GN=ACLY variant protein PE=2 SV=1	tr|Q4LE36|Q4LE36_HUMAN	125 kDa	0	0
Splicing factor 3B subunit 3 OS=Homo sapiens OX=9606 GN=SF3B3 PE=1 SV=4	sp|Q15393|SF3B3_HUMAN (+1)	136 kDa	0	0
Importin subunit beta-1 OS=Homo sapiens OX=9606 GN=KPNB1 PE=1 SV=2	sp|Q14974|IMB1_HUMAN (+1)	97 kDa	0	0
Isoform 2 of Spectrin alpha chain, non-erythrocytic 1 OS=Homo sapiens OX=9606 GN=SPTAN1	sp|Q13813-2|SPTN1_HUMAN (+3)	285 kDa	0	0
Cullin-associated NEDD8-dissociated protein 1 OS=Homo sapiens OX=9606 GN=CAND1 PE=1 SV=2	sp|Q86VP6|CAND1_HUMAN (+1)	136 kDa	0	0
Transcription intermediary factor 1-beta OS=Homo sapiens OX=9606 GN=TRIM28 PE=1 SV=5	sp|Q13263|TIF1B_HUMAN	89 kDa	0	0
Isoform 2 of Heterogeneous nuclear ribonucleoprotein K OS=Homo sapiens OX=9606 GN=HNRNPK	sp|P61978-2|HNRPK_HUMAN (+4)	51 kDa	0	0
Poly [ADP-ribose] polymerase 1 OS=Homo sapiens OX=9606 GN=PARP1 PE=1 SV=4	sp|P09874|PARP1_HUMAN	113 kDa	0	0
Isoform 2 of E3 ubiquitin-protein ligase HUWE1 OS=Homo sapiens OX=9606 GN=HUWE1	sp|Q7Z6Z7-2|HUWE1_HUMAN (+3)	480 kDa	0	0
26S proteasome non-ATPase regulatory subunit 2 OS=Homo sapiens OX=9606 GN=PSMD2 PE=1 SV=3	sp|Q13200|PSMD2_HUMAN (+1)	100 kDa	0	0
Isoform 2 of Glucose-6-phosphate isomerase OS=Homo sapiens OX=9606 GN=GPI	sp|P06744-2|G6PI_HUMAN	64 kDa	0	0
Transitional endoplasmic reticulum ATPase OS=Homo sapiens OX=9606 GN=VCP PE=1 SV=4	sp|P55072|TERA_HUMAN (+1)	89 kDa	0	0
Neutral alpha-glucosidase AB OS=Homo sapiens OX=9606 GN=GANAB PE=1 SV=3	sp|Q14697|GANAB_HUMAN (+2)	107 kDa	0	0
Eukaryotic translation initiation factor 3 subunit L OS=Homo sapiens OX=9606 GN=EIF3L PE=1 SV=1	sp|Q9Y262|EIF3L_HUMAN	67 kDa	0	0
Isoform 2 of Transformation/transcription domain-associated protein OS=Homo sapiens OX=9606 GN=TRRAP	sp|Q9Y4A5-2|TRRAP_HUMAN (+2)	434 kDa	0	0
E3 SUMO-protein ligase RanBP2 OS=Homo sapiens OX=9606 GN=RANBP2 PE=1 SV=2	sp|P49792|RBP2_HUMAN	358 kDa	0	0
Bifunctional glutamate/proline--tRNA ligase OS=Homo sapiens OX=9606 GN=EPRS PE=1 SV=5	sp|P07814|SYEP_HUMAN	171 kDa	0	0
Isoform 3 of Exportin-2 OS=Homo sapiens OX=9606 GN=CSE1L	sp|P55060-3|XPO2_HUMAN (+2)	108 kDa	0	0
Splicing factor 3B subunit 1 OS=Homo sapiens OX=9606 GN=SF3B1 PE=1 SV=3	sp|O75533|SF3B1_HUMAN	146 kDa	0	0
Isoform 3 of Nucleoside diphosphate kinase B OS=Homo sapiens OX=9606 GN=NME2	sp|P22392-2|NDKB_HUMAN (+1)	30 kDa	0	0
Isoform 1 of Vinculin OS=Homo sapiens OX=9606 GN=VCL	sp|P18206-2|VINC_HUMAN (+4)	117 kDa	0	0
Heterogeneous nuclear ribonucleoprotein H OS=Homo sapiens OX=9606 GN=HNRNPH1 PE=1 SV=4	sp|P31943|HNRH1_HUMAN	49 kDa	0	0
Matrin-3 OS=Homo sapiens OX=9606 GN=MATR3 PE=1 SV=2	sp|P43243|MATR3_HUMAN (+2)	95 kDa	0	0
Heat shock 70 kDa protein 4 OS=Homo sapiens OX=9606 GN=HSPA4 PE=1 SV=4	sp|P34932|HSP74_HUMAN	94 kDa	0	0
Protein disulfide-isomerase A3 OS=Homo sapiens OX=9606 GN=PDIA3 PE=1 SV=4	sp|P30101|PDIA3_HUMAN (+2)	57 kDa	0	0
Hypoxia up-regulated protein 1 OS=Homo sapiens OX=9606 GN=HYOU1 PE=1 SV=1	sp|Q9Y4L1|HYOU1_HUMAN (+1)	111 kDa	0	0
Isoform 2 of Lipopolysaccharide-responsive and beige-like anchor protein OS=Homo sapiens OX=9606 GN=LRBA	sp|P50851-2|LRBA_HUMAN (+1)	318 kDa	0	0
60S acidic ribosomal protein P0 OS=Homo sapiens OX=9606 GN=RPLP0 PE=1 SV=1	sp|P05388|RLA0_HUMAN	34 kDa	0	0
Aminopeptidase OS=Homo sapiens OX=9606 PE=2 SV=1	tr|B7Z4B2|B7Z4B2_HUMAN	93 kDa	0	0
Isoform 2 of Myb-binding protein 1A OS=Homo sapiens OX=9606 GN=MYBBP1A	sp|Q9BQG0-2|MBB1A_HUMAN (+1)	149 kDa	0	0
Isoform 2 of Structural maintenance of chromosomes flexible hinge domain-containing protein 1 OS=Homo sapie	sp|A6NHR9-2|SMHD1_HUMAN (+1)	216 kDa	0	0
DNA damage-binding protein 1 OS=Homo sapiens OX=9606 GN=DDB1 PE=1 SV=1	sp|Q16531|DDB1_HUMAN	127 kDa	0	0
Isoform 2 of Chromodomain-helicase-DNA-binding protein 4 OS=Homo sapiens OX=9606 GN=CHD4	sp|Q14839-2|CHD4_HUMAN (+3)	221 kDa	0	0
Isoform 8 of Eukaryotic translation initiation factor 4 gamma 1 OS=Homo sapiens OX=9606 GN=EIF4G1	sp|Q04637-8|IF4G1_HUMAN	176 kDa	0	0
ATP-dependent 6-phosphofructokinase, platelet type OS=Homo sapiens OX=9606 GN=PFKP PE=1 SV=2	sp|Q01813|PFKAP_HUMAN	86 kDa	0	0
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1 OS=Homo sapiens OX=9606 GN=RPN1	sp|P04843|RPN1_HUMAN (+1)	69 kDa	0	0
Baculoviral IAP repeat-containing protein 6 OS=Homo sapiens OX=9606 GN=BIRC6 PE=1 SV=2	sp|Q9NR09|BIRC6_HUMAN	530 kDa	0	0
Isoform C1 of Heterogeneous nuclear ribonucleoproteins C1/C2 OS=Homo sapiens OX=9606 GN=HNRNPC	sp|P07910-2|HNRPC_HUMAN (+3)	32 kDa	0	0
Inosine-5'-monophosphate dehydrogenase 2 OS=Homo sapiens OX=9606 GN=IMPDH2 PE=1 SV=2	sp|P12268|IMDH2_HUMAN (+2)	56 kDa	0	0
Annexin A5 OS=Homo sapiens OX=9606 GN=ANXA5 PE=1 SV=2	sp|P08758|ANXA5_HUMAN	36 kDa	0	0
Voltage-dependent anion-selective channel protein 1 OS=Homo sapiens OX=9606 GN=VDAC1 PE=1 SV=2	sp|P21796|VDAC1_HUMAN	31 kDa	0	0
Nascent polypeptide-associated complex subunit alpha, muscle-specific form OS=Homo sapiens OX=9606 GN=NA	sp|E9PAV3|NACAM_HUMAN	205 kDa	0	0
Glutathione S-transferase P OS=Homo sapiens OX=9606 GN=GSTP1 PE=1 SV=2	sp|P09211|GSTP1_HUMAN (+1)	23 kDa	0	0
cDNA FLJ55635, highly similar to pre-mRNA-splicing factorATP-dependent RNA helicase DHX15 OS=Homo sapiens	tr|B4E0S6|B4E0S6_HUMAN	90 kDa	0	0
Isoform 2 of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 OS=Homo sapiens OX=9606 GN=ATP2A2	sp|P16615-2|AT2A2_HUMAN (+3)	110 kDa	0	0
Alpha-2-macroglobulin OS=Homo sapiens OX=9606 GN=A2M PE=1 SV=3	sp|P01023|A2MG_HUMAN	163 kDa	0	0
Isoform 2 of DNA topoisomerase 2-alpha OS=Homo sapiens OX=9606 GN=TOP2A	sp|P11388-2|TOP2A_HUMAN (+3)	178 kDa	0	0
Creatine kinase B-type OS=Homo sapiens OX=9606 GN=CKB PE=1 SV=1	sp|P12277|KCRB_HUMAN (+2)	43 kDa	0	0
Histone H2B type 1-K OS=Homo sapiens OX=9606 GN=HIST1H2BK PE=1 SV=3	sp|O60814|H2B1K_HUMAN (+6)	14 kDa	0	0
Isoform 2 of AP-3 complex subunit beta-1 OS=Homo sapiens OX=9606 GN=AP3B1	sp|O00203-3|AP3B1_HUMAN (+1)	116 kDa	0	0
Protein RRP5 homolog OS=Homo sapiens OX=9606 GN=PDCD11 PE=1 SV=3	sp|Q14690|RRP5_HUMAN (+1)	209 kDa	0	0
Lamin-B1 OS=Homo sapiens OX=9606 GN=LMNB1 PE=1 SV=2	sp|P20700|LMNB1_HUMAN	66 kDa	0	0
Nuclear pore membrane glycoprotein 210 OS=Homo sapiens OX=9606 GN=NUP210 PE=1 SV=3	sp|Q8TEM1|PO210_HUMAN	205 kDa	0	0
Eukaryotic translation initiation factor 5B OS=Homo sapiens OX=9606 GN=EIF5B PE=1 SV=4	sp|O60841|IF2P_HUMAN (+2)	139 kDa	0	0
Isoform 3 of Sodium/potassium-transporting ATPase subunit alpha-1 OS=Homo sapiens OX=9606 GN=ATP1A1	sp|P05023-3|AT1A1_HUMAN (+2)	110 kDa	0	0
FACT complex subunit SSRP1 OS=Homo sapiens OX=9606 GN=SSRP1 PE=1 SV=1	sp|Q08945|SSRP1_HUMAN (+1)	81 kDa	0	0
60S ribosomal protein L5 OS=Homo sapiens OX=9606 GN=RPL5 PE=1 SV=3	sp|P46777|RL5_HUMAN	34 kDa	0	0
Isoform 2 of Ankyrin repeat domain-containing protein 17 OS=Homo sapiens OX=9606 GN=ANKRD17	sp|O75179-2|ANR17_HUMAN (+3)	274 kDa	0	0
Transferrin receptor protein 1 OS=Homo sapiens OX=9606 GN=TFRC PE=1 SV=2	sp|P02786|TFR1_HUMAN (+1)	85 kDa	0	0
E3 ubiquitin-protein ligase HECTD1 OS=Homo sapiens OX=9606 GN=HECTD1 PE=1 SV=3	sp|Q9ULT8|HECD1_HUMAN (+1)	289 kDa	0	0
Isoform 6 of Myoferlin OS=Homo sapiens OX=9606 GN=MYOF	sp|Q9NZM1-6|MYOF_HUMAN (+1)	233 kDa	0	0
Proliferation-associated protein 2G4 OS=Homo sapiens OX=9606 GN=PA2G4 PE=1 SV=3	sp|Q9UQ80|PA2G4_HUMAN (+1)	44 kDa	0	0
FACT complex subunit SPT16 OS=Homo sapiens OX=9606 GN=SUPT16H PE=1 SV=1	sp|Q9Y5B9|SP16H_HUMAN	120 kDa	0	0

cDNA, FLJ96923, highly similar to Homo sapiens ribophorin II (RPN2), mRNA OS=Homo sapiens OX=9606 PE=2 SV	tr|B2RE46|B2RE46_HUMAN	69 kDa	0	0
Isoform 3 of Treacle protein OS=Homo sapiens OX=9606 GN=TCOF1	sp|Q13428-3|TCOF_HUMAN (+5)	152 kDa	0	0
Trifunctional purine biosynthetic protein adenosine-3 OS=Homo sapiens OX=9606 GN=GART PE=1 SV=1	sp|P22102|PUR2_HUMAN	108 kDa	0	0
Isoform 2 of Insulin-like growth factor 2 mRNA-binding protein 2 OS=Homo sapiens OX=9606 GN=IGF2BP2	sp|Q9Y6M1-1|IF2B2_HUMAN (+2)	62 kDa	0	0
Small subunit processome component 20 homolog OS=Homo sapiens OX=9606 GN=UTP20 PE=1 SV=3	sp|O75691|UTP20_HUMAN	318 kDa	0	0
Rab GDP dissociation inhibitor beta OS=Homo sapiens OX=9606 GN=GDI2 PE=1 SV=2	sp|P50395|GDIB_HUMAN (+1)	51 kDa	0	0
cDNA FLJ56016, highly similar to C-1-tetrahydrofolate synthase, cytoplasmic OS=Homo sapiens OX=9606 PE=2 SV	tr|B7Z809|B7Z809_HUMAN (+1)	110 kDa	0	0
Stress-induced-phosphoprotein 1 OS=Homo sapiens OX=9606 GN=STIP1 PE=1 SV=1	sp|P31948|STIP1_HUMAN (+2)	63 kDa	0	0
Peroxiredoxin-6 OS=Homo sapiens OX=9606 GN=PRDX6 PE=1 SV=3	sp|P30041|PRDX6_HUMAN (+1)	25 kDa	0	0
DnaJ homolog subfamily C member 13 OS=Homo sapiens OX=9606 GN=DNAJC13 PE=1 SV=5	sp|O75165|DJC13_HUMAN	254 kDa	0	0
Serine hydroxymethyltransferase OS=Homo sapiens OX=9606 PE=2 SV=1	tr|B4DJQ3|B4DJQ3_HUMAN	53 kDa	0	0
Eukaryotic translation initiation factor 3 subunit C-like protein OS=Homo sapiens OX=9606 GN=EIF3CL PE=3 SV=1	sp|B5ME19|EIFCL_HUMAN (+2)	105 kDa	0	0
DNA helicase OS=Homo sapiens OX=9606 PE=2 SV=1	tr|B7Z8Z6|B7Z8Z6_HUMAN (+1)	107 kDa	0	0
Isoform 2 of ATP-dependent RNA helicase DHX30 OS=Homo sapiens OX=9606 GN=DHX30	sp|Q7L2E3-2|DHX30_HUMAN	136 kDa	0	0
Heat shock protein beta-1 OS=Homo sapiens OX=9606 GN=HSPB1 PE=1 SV=2	sp|P04792|HSPB1_HUMAN (+1)	23 kDa	0	0
Transaldolase OS=Homo sapiens OX=9606 GN=TALDO1 PE=1 SV=2	sp|P37837|TALDO_HUMAN (+1)	38 kDa	0	0
60S ribosomal protein L18a OS=Homo sapiens OX=9606 GN=RPL18A PE=1 SV=2	sp|Q02543|RL18A_HUMAN (+4)	21 kDa	0	0
Catenin alpha-1 OS=Homo sapiens OX=9606 GN=CTNNA1 PE=1 SV=1	sp|P35221|CTNA1_HUMAN (+1)	100 kDa	0	0
Unconventional myosin-Ic OS=Homo sapiens OX=9606 GN=MYO1C PE=1 SV=4	sp|O00159|MYO1C_HUMAN	122 kDa	0	0
Isoform 2 of A-kinase anchor protein 12 OS=Homo sapiens OX=9606 GN=AKAP12	sp|Q02952-2|AKA12_HUMAN (+2)	182 kDa	0	0
Isoform 2 of Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1 OS=Homo sapiens OX=96	sp|Q92538-2|GBF1_HUMAN (+2)	206 kDa	0	0
Protocadherin Fat 1 OS=Homo sapiens OX=9606 GN=FAT1 PE=1 SV=2	sp|Q14517|FAT1_HUMAN	506 kDa	0	0
Isoform 2 of AP-2 complex subunit beta OS=Homo sapiens OX=9606 GN=AP2B1	sp|P63010-2|AP2B1_HUMAN (+6)	106 kDa	0	0
Coatomer subunit beta OS=Homo sapiens OX=9606 GN=COPB1 PE=1 SV=3	sp|P53618|COPB_HUMAN	107 kDa	0	0
Peptidyl-prolyl cis-trans isomerase FKBP4 OS=Homo sapiens OX=9606 GN=FKBP4 PE=1 SV=3	sp|Q02790|FKBP4_HUMAN	52 kDa	0	0
26S proteasome non-ATPase regulatory subunit 1 OS=Homo sapiens OX=9606 GN=PSMD1 PE=1 SV=2	sp|Q99460|PSMD1_HUMAN (+1)	106 kDa	0	0
Alanine--tRNA ligase, cytoplasmic OS=Homo sapiens OX=9606 GN=AARS PE=1 SV=2	sp|P49588|SYAC_HUMAN	107 kDa	0	0
Maestro heat-like repeat-containing protein family member 1 OS=Homo sapiens OX=9606 GN=MROH1 PE=2 SV=	sp|Q8NDA8|MROH1_HUMAN (+1)	181 kDa	0	0
Nuclear pore complex protein Nup205 OS=Homo sapiens OX=9606 GN=NUP205 PE=1 SV=3	sp|Q92621|NU205_HUMAN	228 kDa	0	0
Peroxisomal multifunctional enzyme type 2 OS=Homo sapiens OX=9606 GN=HSD17B4 PE=1 SV=3	sp|P51659|DHB4_HUMAN (+2)	80 kDa	0	0
Isoform 2 of RRP12-like protein OS=Homo sapiens OX=9606 GN=RRP12	sp|Q5JTH9-2|RRP12_HUMAN (+3)	133 kDa	0	0
Inositol 1,4,5-trisphosphate receptor type 3 OS=Homo sapiens OX=9606 GN=ITPR3 PE=1 SV=2	sp|Q14573|ITPR3_HUMAN	304 kDa	0	0
Isoform 2 of Importin-5 OS=Homo sapiens OX=9606 GN=IPO5	sp|O00410-2|IPO5_HUMAN (+4)	117 kDa	0	0
Glycerol-3-phosphate dehydrogenase, mitochondrial OS=Homo sapiens OX=9606 GN=GPD2 PE=1 SV=3	sp|P43304|GPDM_HUMAN (+2)	81 kDa	0	0
Inter-alpha-trypsin inhibitor heavy chain H2 OS=Homo sapiens OX=9606 GN=ITIH2 PE=1 SV=2	sp|P19823|ITIH2_HUMAN (+3)	106 kDa	0	0
Isoform 2 of UDP-glucose:glycoprotein glucosyltransferase 1 OS=Homo sapiens OX=9606 GN=UGGT1	sp|Q9NYU2-2|UGGG1_HUMAN (+2)	175 kDa	0	0
Coatomer subunit gamma-1 OS=Homo sapiens OX=9606 GN=COPG1 PE=1 SV=1	sp|Q9Y678|COPG1_HUMAN	98 kDa	0	0
Ribosomal L1 domain-containing protein 1 OS=Homo sapiens OX=9606 GN=RSL1D1 PE=1 SV=3	sp|O76021|RL1D1_HUMAN (+3)	55 kDa	0	0
40S ribosomal protein S9 OS=Homo sapiens OX=9606 GN=RPS9 PE=1 SV=3	sp|P46781|RS9_HUMAN (+1)	23 kDa	0	0
Spectrin beta chain, non-erythrocytic 1 OS=Homo sapiens OX=9606 GN=SPTBN1 PE=1 SV=2	sp|Q01082|SPTB2_HUMAN	275 kDa	0	0
Isoform 2 of CCR4-NOT transcription complex subunit 1 OS=Homo sapiens OX=9606 GN=CNOT1	sp|A5YKK6-2|CNOT1_HUMAN (+1)	266 kDa	0	0
60S ribosomal protein L7a OS=Homo sapiens OX=9606 GN=RPL7A PE=1 SV=2	sp|P62424|RL7A_HUMAN	30 kDa	0	0
Splicing factor 3A subunit 1 OS=Homo sapiens OX=9606 GN=SF3A1 PE=1 SV=1	sp|Q15459|SF3A1_HUMAN (+1)	89 kDa	0	0
Isoform 4 of Probable ATP-dependent RNA helicase DDX17 OS=Homo sapiens OX=9606 GN=DDX17	sp|Q92841-3|DDX17_HUMAN	73 kDa	0	0
DNA replication licensing factor MCM7 OS=Homo sapiens OX=9606 GN=MCM7 PE=1 SV=4	sp|P33993|MCM7_HUMAN (+1)	81 kDa	0	0
Eukaryotic initiation factor 4A-III OS=Homo sapiens OX=9606 GN=EIF4A3 PE=1 SV=4	sp|P38919|IF4A3_HUMAN	47 kDa	0	0
Isoform 3 of DNA mismatch repair protein Msh6 OS=Homo sapiens OX=9606 GN=MSH6	sp|P52701-3|MSH6_HUMAN (+2)	138 kDa	0	0
Alpha-2-HS-glycoprotein OS=Homo sapiens OX=9606 GN=AHSG PE=1 SV=2	sp|P02765|FETUA_HUMAN (+1)	39 kDa	0	0
Isoform Short of Tight junction protein ZO-1 OS=Homo sapiens OX=9606 GN=TJP1	sp|Q07157-2|ZO1_HUMAN (+6)	187 kDa	0	0
Vigilin OS=Homo sapiens OX=9606 GN=HDLBP PE=1 SV=2	sp|Q00341|VIGLN_HUMAN	141 kDa	0	0
Proteasome adapter and scaffold protein ECM29 OS=Homo sapiens OX=9606 GN=ECPAS PE=1 SV=2	sp|Q5VYK3|ECM29_HUMAN	204 kDa	0	0
ATPase family AAA domain-containing protein 3A (Fragment) OS=Homo sapiens OX=9606 GN=ATAD3A PE=1 SV=	tr|H0Y2W2|H0Y2W2_HUMAN	64 kDa	0	0
SWI/SNF complex subunit SMARCC1 OS=Homo sapiens OX=9606 GN=SMARCC1 PE=1 SV=3	sp|Q92922|SMRC1_HUMAN (+1)	123 kDa	0	0
Isoform Short of 14-3-3 protein beta/alpha OS=Homo sapiens OX=9606 GN=YWHAB	sp|P31946-2|1433B_HUMAN (+1)	28 kDa	0	0
Chloride intracellular channel protein (Fragment) OS=Homo sapiens OX=9606 PE=2 SV=1	tr|Q53FB0|Q53FB0_HUMAN (+1)	27 kDa	0	0
Far upstream element-binding protein 2 OS=Homo sapiens OX=9606 GN=KHSRP PE=1 SV=4	sp|Q92945|FUBP2_HUMAN (+1)	73 kDa	0	0
Cytoplasmic aconitate hydratase OS=Homo sapiens OX=9606 GN=ACO1 PE=1 SV=3	sp|P21399|ACOC_HUMAN (+2)	98 kDa	0	0
Eukaryotic translation initiation factor 2 subunit 3 OS=Homo sapiens OX=9606 GN=EIF2S3 PE=1 SV=3	sp|P41091|IF2G_HUMAN	51 kDa	0	0
Staphylococcal nuclease domain-containing protein 1 OS=Homo sapiens OX=9606 GN=SND1 PE=1 SV=1	sp|Q7KZF4|SND1_HUMAN (+3)	102 kDa	0	0
DNA polymerase epsilon catalytic subunit OS=Homo sapiens OX=9606 GN=POLE1 PE=3 SV=1	tr|Q9Y5S5|Q9Y5S5_HUMAN	263 kDa	0	0
Isoform 2 of Myosin-14 OS=Homo sapiens OX=9606 GN=MYH14	sp|Q7Z406-2|MYH14_HUMAN (+1)	232 kDa	0	0
Aspartate--tRNA ligase, cytoplasmic OS=Homo sapiens OX=9606 GN=DARS PE=1 SV=2	sp|P14868|SYDC_HUMAN (+2)	57 kDa	0	0
Importin-7 OS=Homo sapiens OX=9606 GN=IPO7 PE=1 SV=1	sp|O95373|IPO7_HUMAN	120 kDa	0	0
Isoform 2 of 116 kDa U5 small nuclear ribonucleoprotein component OS=Homo sapiens OX=9606 GN=EFTUD2	sp|Q15029-2|U5S1_HUMAN (+2)	105 kDa	0	0
Proteasome subunit beta type-3 OS=Homo sapiens OX=9606 GN=PSMB3 PE=1 SV=2	sp|P49720|PSB3_HUMAN (+2)	23 kDa	0	0
Bifunctional purine biosynthesis protein PURH OS=Homo sapiens OX=9606 GN=ATIC PE=1 SV=3	sp|P31939|PUR9_HUMAN (+1)	65 kDa	0	0
40S ribosomal protein S7 OS=Homo sapiens OX=9606 GN=RPS7 PE=1 SV=1	sp|P62081|RS7_HUMAN	22 kDa	0	0
Isoform 2 of Mediator of RNA polymerase II transcription subunit 12 OS=Homo sapiens OX=9606 GN=MED12	sp|Q93074-2|MED12_HUMAN (+2)	243 kDa	0	0
Proteasome activator complex subunit 2 OS=Homo sapiens OX=9606 GN=PSME2 PE=1 SV=4	sp|Q9UL46|PSME2_HUMAN (+2)	27 kDa	0	0
Isoform 2 of 6-phosphogluconate dehydrogenase, decarboxylating OS=Homo sapiens OX=9606 GN=PGD	sp|P52209-2|6PGD_HUMAN (+1)	52 kDa	0	0
Monofunctional C1-tetrahydrofolate synthase, mitochondrial OS=Homo sapiens OX=9606 GN=MTHFD1L PE=1 SV	sp|Q6UB35|C1TM_HUMAN (+1)	106 kDa	0	0
Sepiapterin reductase OS=Homo sapiens OX=9606 GN=SPR PE=1 SV=1	sp|P35270|SPRE_HUMAN	28 kDa	0	0
RuvB-like 1 OS=Homo sapiens OX=9606 GN=RUVBL1 PE=1 SV=1	sp|Q9Y265|RUVB1_HUMAN (+2)	50 kDa	0	0
Thymidine phosphorylase OS=Homo sapiens OX=9606 PE=2 SV=1	tr|B2RBL3|B2RBL3_HUMAN	50 kDa	0	0
Ribosome-binding protein 1 OS=Homo sapiens OX=9606 GN=RRBP1 PE=1 SV=5	sp|Q9P2E9|RRBP1_HUMAN	152 kDa	0	0
Activating signal cointegrator 1 complex subunit 3 OS=Homo sapiens OX=9606 GN=ASCC3 PE=1 SV=3	sp|Q8N3C0|ASCC3_HUMAN	251 kDa	0	0
60S ribosomal protein L15 OS=Homo sapiens OX=9606 GN=RPL15 PE=1 SV=2	sp|P61313|RL15_HUMAN (+1)	24 kDa	0	0
Isoform 2 of Probable ubiquitin carboxyl-terminal hydrolase FAF-X OS=Homo sapiens OX=9606 GN=USP9X	sp|Q93008-1|USP9X_HUMAN (+1)	290 kDa	0	0
Isoform 4 of Acetyl-CoA carboxylase 1 OS=Homo sapiens OX=9606 GN=ACACA	sp|Q13085-4|ACACA_HUMAN	270 kDa	0	0
rRNA 2'-O-methyltransferase fibrillarin OS=Homo sapiens OX=9606 GN=FBL PE=1 SV=2	sp|P22087|FBRL_HUMAN	34 kDa	0	0
DNA-directed RNA polymerase II subunit RPB1 OS=Homo sapiens OX=9606 GN=POLR2A PE=1 SV=2	sp|P24928|RPB1_HUMAN	217 kDa	0	0
Isoform 2 of Heterogeneous nuclear ribonucleoprotein Q OS=Homo sapiens OX=9606 GN=SYNCRIP	sp|O60506-2|HNRPQ_HUMAN (+4)	66 kDa	0	0
Isoform 2AB of Catenin delta-1 OS=Homo sapiens OX=9606 GN=CTNND1	sp|O60716-10|CTND1_HUMAN (+6)	101 kDa	0	0
Ribonucleoside-diphosphate reductase large subunit OS=Homo sapiens OX=9606 GN=RRM1 PE=1 SV=1	sp|P23921|RIR1_HUMAN (+1)	90 kDa	0	0
Aspartate aminotransferase OS=Homo sapiens OX=9606 GN=GIG18 PE=2 SV=1	tr|Q2TU84|Q2TU84_HUMAN	46 kDa	0	0
Isoform 2 of Elongation factor 1-delta OS=Homo sapiens OX=9606 GN=EEF1D	sp|P29692-2|EF1D_HUMAN	71 kDa	0	0
Isoform 2 of Glycogen phosphorylase, liver form OS=Homo sapiens OX=9606 GN=PYGL	sp|P06737-2|PYGL_HUMAN (+2)	93 kDa	0	0
Glycine--tRNA ligase OS=Homo sapiens OX=9606 GN=GARS PE=1 SV=3	sp|P41250|GARS_HUMAN	83 kDa	0	0

Isoform 2 of Regulator of nonsense transcripts 1 OS=Homo sapiens OX=9606 GN=UPF1	sp|Q92900-2|RENT1_HUMAN (+1)	123 kDa	0	0
Adenine phosphoribosyltransferase OS=Homo sapiens OX=9606 GN=APRT PE=1 SV=2	sp|P07741|APT_HUMAN	20 kDa	0	0
Peptidyl-prolyl cis-trans isomerase A OS=Homo sapiens OX=9606 GN=PPIA PE=1 SV=2	sp|P62937|PPIA_HUMAN (+3)	18 kDa	0	0
Cytosolic acyl coenzyme A thioester hydrolase OS=Homo sapiens OX=9606 GN=ACOT7 PE=1 SV=3	sp|O00154|BACH_HUMAN	42 kDa	0	0
Mitochondrial import receptor subunit TOM40 homolog OS=Homo sapiens OX=9606 GN=TOMM40 PE=1 SV=1	sp|O96008|TOM40_HUMAN	38 kDa	0	0
Serine/arginine-rich splicing factor 1 OS=Homo sapiens OX=9606 GN=SRSF1 PE=1 SV=2	sp|Q07955|SRSF1_HUMAN	28 kDa	0	0
Nucleolar protein 56 OS=Homo sapiens OX=9606 GN=NOP56 PE=1 SV=4	sp|O00567|NOP56_HUMAN (+1)	66 kDa	0	0
Isoform 2 of Annexin A6 OS=Homo sapiens OX=9606 GN=ANXA6	sp|P08133-2|ANXA6_HUMAN (+1)	72 kDa	0	0
DNA helicase OS=Homo sapiens OX=9606 GN=MCM4 PE=3 SV=1	tr|A0A024R7U6|A0A024R7U6_HUMAN (+1	97 kDa	0	0
Isoform 2 of Septin-9 OS=Homo sapiens OX=9606 GN=SEPT9	sp|Q9UHD8-2|SEPT9_HUMAN (+4)	64 kDa	0	0
Isoform 2 of Nck-associated protein 1 OS=Homo sapiens OX=9606 GN=NCKAP1	sp|Q9Y2A7-2|NCKP1_HUMAN (+1)	130 kDa	0	0
D-3-phosphoglycerate dehydrogenase OS=Homo sapiens OX=9606 GN=PHGDH PE=1 SV=4	sp|O43175|SERA_HUMAN	57 kDa	0	0
Eukaryotic translation initiation factor 5A-1 OS=Homo sapiens OX=9606 GN=EIF5A PE=1 SV=2	sp|P63241|IF5A1_HUMAN (+2)	17 kDa	0	0
Isoform 2 of Calnexin OS=Homo sapiens OX=9606 GN=CANX	sp|P27824-2|CALX_HUMAN	72 kDa	0	0
Isoform 2 of Threonine--tRNA ligase, cytoplasmic OS=Homo sapiens OX=9606 GN=TARS	sp|P26639-2|SYTC_HUMAN (+2)	87 kDa	0	0
Probable ATP-dependent RNA helicase DDX46 OS=Homo sapiens OX=9606 GN=DDX46 PE=1 SV=2	sp|Q7L014|DDX46_HUMAN (+2)	117 kDa	0	0
Isoform Mitochondrial of Lysine--tRNA ligase OS=Homo sapiens OX=9606 GN=KARS	sp|Q15046-2|SYK_HUMAN (+1)	71 kDa	0	0
40S ribosomal protein S10 OS=Homo sapiens OX=9606 GN=RPS10 PE=1 SV=1	sp|P46783|RS10_HUMAN	19 kDa	0	0
Peroxiredoxin-2 OS=Homo sapiens OX=9606 GN=PRDX2 PE=1 SV=5	sp|P32119|PRDX2_HUMAN (+2)	22 kDa	0	0
Exportin-5 OS=Homo sapiens OX=9606 GN=XPO5 PE=1 SV=1	sp|Q9HAV4|XPO5_HUMAN (+1)	136 kDa	0	0
Peroxiredoxin-4 (Fragment) OS=Homo sapiens OX=9606 GN=PRDX4 PE=1 SV=1	tr|H7C3T4|H7C3T4_HUMAN	18 kDa	0	0
Peptidyl-prolyl cis-trans isomerase B OS=Homo sapiens OX=9606 GN=PPIB PE=1 SV=2	sp|P23284|PPIB_HUMAN (+1)	24 kDa	0	0
Elongation factor Tu, mitochondrial OS=Homo sapiens OX=9606 GN=TUFM PE=1 SV=2	sp|P49411|EFTU_HUMAN (+1)	50 kDa	0	0
ADP-ribosylation factor 3 OS=Homo sapiens OX=9606 GN=ARF3 PE=1 SV=2	sp|P61204|ARF3_HUMAN (+3)	21 kDa	0	0
Vacuolar protein sorting-associated protein 35 OS=Homo sapiens OX=9606 GN=VPS35 PE=1 SV=2	sp|Q96QK1|VPS35_HUMAN	92 kDa	0	0
Mycophenolic acid acyl-glucuronide esterase, mitochondrial OS=Homo sapiens OX=9606 GN=ABHD10 PE=1 SV=1	sp|Q9NUJ1|ABHDA_HUMAN	34 kDa	0	0
RuvB-like 2 OS=Homo sapiens OX=9606 GN=RUVBL2 PE=1 SV=3	sp|Q9Y230|RUVB2_HUMAN (+1)	51 kDa	0	0
cDNA, FLJ92825, highly similar to Homo sapiens SAR1a gene homolog 1 (S. cerevisiae) (SARA1), mRNA OS=Homo	tr|B2R679|B2R679_HUMAN	22 kDa	0	0
cDNA FLJ55743, highly similar to DNA replication licensing factor MCM5 OS=Homo sapiens OX=9606 PE=2 SV=1	tr|B4DQ39|B4DQ39_HUMAN	72 kDa	0	0
Heterogeneous nuclear ribonucleoprotein F OS=Homo sapiens OX=9606 GN=HNRNPF PE=1 SV=3	sp|P52597|HNRPF_HUMAN	46 kDa	0	0
Condensin complex subunit 1 OS=Homo sapiens OX=9606 PE=2 SV=1	tr|B3KMS0|B3KMS0_HUMAN	157 kDa	0	0
Isoform 2 of Glutamine--tRNA ligase OS=Homo sapiens OX=9606 GN=QARS	sp|P47897-2|SYQ_HUMAN (+5)	87 kDa	0	0
Annexin A3 OS=Homo sapiens OX=9606 GN=ANXA3 PE=1 SV=3	sp|P12429|ANXA3_HUMAN	36 kDa	0	0
Symplekin OS=Homo sapiens OX=9606 GN=SYMPK PE=1 SV=2	sp|Q92797|SYMPK_HUMAN	141 kDa	0	0
Isoform 5 of MMS19 nucleotide excision repair protein homolog OS=Homo sapiens OX=9606 GN=MMS19	sp|Q96T76-8|MMS19_HUMAN (+2)	116 kDa	0	0
Isoform 2 of Protein dopey-2 OS=Homo sapiens OX=9606 GN=DOP1B	sp|Q9Y3R5-2|DOP2_HUMAN (+1)	257 kDa	0	0
Endoplasmic reticulum resident protein 29 OS=Homo sapiens OX=9606 GN=ERP29 PE=1 SV=4	sp|P30040|ERP29_HUMAN (+1)	29 kDa	0	0
Isoform 2 of Protein timeless homolog OS=Homo sapiens OX=9606 GN=TIMELESS	sp|Q9UNS1-2|TIM_HUMAN (+1)	139 kDa	0	0
Aspartate aminotransferase, mitochondrial OS=Homo sapiens OX=9606 GN=GOT2 PE=1 SV=3	sp|P00505|AATM_HUMAN (+2)	48 kDa	0	0
Nucleolar pre-ribosomal-associated protein 1 OS=Homo sapiens OX=9606 GN=URB1 PE=1 SV=4	sp|O60287|NPA1P_HUMAN	254 kDa	0	0
Gem-associated protein 5 OS=Homo sapiens OX=9606 GN=GEMIN5 PE=1 SV=3	sp|Q8TEQ6|GEMI5_HUMAN (+1)	169 kDa	0	0
Isoform 2 of 4F2 cell-surface antigen heavy chain OS=Homo sapiens OX=9606 GN=SLC3A2	sp|P08195-2|4F2_HUMAN (+6)	58 kDa	0	0
Isoform 2 of Heterogeneous nuclear ribonucleoprotein D0 OS=Homo sapiens OX=9606 GN=HNRNPD	sp|Q14103-2|HNRPD_HUMAN (+8)	36 kDa	0	0
RNA-binding motif protein, X chromosome OS=Homo sapiens OX=9606 GN=RBMX PE=1 SV=3	sp|P38159|RBMX_HUMAN	42 kDa	0	0
Rho GDP-dissociation inhibitor 1 OS=Homo sapiens OX=9606 GN=ARHGDIA PE=1 SV=1	tr|J3QQX2|J3QQX2_HUMAN	26 kDa	0	0
Reticulon-4 OS=Homo sapiens OX=9606 GN=RTN4 PE=1 SV=2	sp|Q9NQC3|RTN4_HUMAN	130 kDa	0	0
Nucleoporin NUP188 homolog OS=Homo sapiens OX=9606 GN=NUP188 PE=1 SV=1	sp|Q5SRE5|NU188_HUMAN	196 kDa	0	0
Moesin OS=Homo sapiens OX=9606 GN=MSN PE=1 SV=3	sp|P26038|MOES_HUMAN	68 kDa	0	0
Trifunctional enzyme subunit alpha, mitochondrial OS=Homo sapiens OX=9606 GN=HADHA PE=1 SV=2	sp|P40939|ECHA_HUMAN (+2)	83 kDa	0	0
Epiplakin OS=Homo sapiens OX=9606 GN=EPPK1 PE=1 SV=3	sp|P58107|EPIPL_HUMAN	556 kDa	0	0
60S ribosomal protein L3 OS=Homo sapiens OX=9606 GN=RPL3 PE=1 SV=2	sp|P39023|RL3_HUMAN	46 kDa	0	0
Isoform 3 of Malate dehydrogenase, cytoplasmic OS=Homo sapiens OX=9606 GN=MDH1	sp|P40925-3|MDHC_HUMAN (+2)	39 kDa	0	0
26S proteasome regulatory subunit 6A OS=Homo sapiens OX=9606 GN=PSMC3 PE=1 SV=3	sp|P17980|PRS6A_HUMAN (+2)	49 kDa	0	0
Isoform 2 of Asparagine synthetase [glutamine-hydrolyzing] OS=Homo sapiens OX=9606 GN=ASNS	sp|P08243-2|ASNS_HUMAN (+2)	62 kDa	0	0
Delta-1-pyrroline-5-carboxylate synthase OS=Homo sapiens OX=9606 GN=ALDH18A1 PE=1 SV=2	sp|P54886|P5CS_HUMAN	87 kDa	0	0
Alcohol dehydrogenase [NADP(+)] OS=Homo sapiens OX=9606 GN=AKR1A1 PE=1 SV=3	sp|P14550|AK1A1_HUMAN (+1)	37 kDa	0	0
NARG1 protein (Fragment) OS=Homo sapiens OX=9606 GN=NARG1 PE=2 SV=1	tr|Q58F05|Q58F05_HUMAN	72 kDa	0	0
Isoform 2 of Programmed cell death 6-interacting protein OS=Homo sapiens OX=9606 GN=PDCD6IP	sp|Q8WUM4-2|PDC6I_HUMAN (+2)	97 kDa	0	0
Heterogeneous nuclear ribonucleoprotein L OS=Homo sapiens OX=9606 GN=HNRNPL PE=1 SV=2	sp|P14866|HNRPL_HUMAN (+1)	64 kDa	0	0
40S ribosomal protein S5 OS=Homo sapiens OX=9606 GN=RPS5 PE=1 SV=4	sp|P46782|RS5_HUMAN (+4)	23 kDa	0	0
40S ribosomal protein S15a OS=Homo sapiens OX=9606 GN=RPS15A PE=1 SV=2	sp|P62244|RS15A_HUMAN (+2)	15 kDa	0	0
High mobility group protein B1 OS=Homo sapiens OX=9606 GN=HMGB1 PE=1 SV=3	sp|P09429|HMGB1_HUMAN (+1)	25 kDa	0	0
Leukotriene A-4 hydrolase OS=Homo sapiens OX=9606 GN=LTA4H PE=1 SV=2	sp|P09960|LKHA4_HUMAN (+1)	69 kDa	0	0
40S ribosomal protein S18 OS=Homo sapiens OX=9606 GN=RPS18 PE=1 SV=3	sp|P62269|RS18_HUMAN	18 kDa	0	0
Fascin OS=Homo sapiens OX=9606 GN=FSCN1 PE=1 SV=3	sp|Q16658|FSCN1_HUMAN (+2)	55 kDa	0	0
Isoform 2 of Transmembrane protein 161A OS=Homo sapiens OX=9606 GN=TMEM161A	sp|Q9NX61-2|T161A_HUMAN (+2)	42 kDa	0	0
Lamina-associated polypeptide 2, isoform alpha OS=Homo sapiens OX=9606 GN=TMPO PE=1 SV=2	sp|P42166|LAP2A_HUMAN	75 kDa	0	0
Isoform 3 of Protein diaphanous homolog 1 OS=Homo sapiens OX=9606 GN=DIAPH1	sp|O60610-3|DIAP1_HUMAN (+3)	140 kDa	0	0
AP-1 complex subunit gamma-1 OS=Homo sapiens OX=9606 GN=AP1G1 PE=1 SV=5	sp|O43747|AP1G1_HUMAN	91 kDa	0	0
Protein SET OS=Homo sapiens OX=9606 GN=SET PE=1 SV=3	sp|Q01105|SET_HUMAN (+1)	33 kDa	0	0
Importin 4 variant (Fragment) OS=Homo sapiens OX=9606 PE=2 SV=1	tr|Q59FI4|Q59FI4_HUMAN	138 kDa	0	0
Glutathione S-transferase omega-1 OS=Homo sapiens OX=9606 GN=GSTO1 PE=1 SV=2	sp|P78417|GSTO1_HUMAN (+2)	28 kDa	0	0
Myosin VI transcript variant 008 OS=Homo sapiens OX=9606 GN=Myo6-008 PE=2 SV=1	tr|A0A1Y0BRN0|A0A1Y0BRN0_HUMAN	147 kDa	0	0
Isoform 2 of 26S proteasome non-ATPase regulatory subunit 11 OS=Homo sapiens OX=9606 GN=PSMD11	sp|O00231-2|PSD11_HUMAN (+1)	48 kDa	0	0
Isoform 3 of Heterogeneous nuclear ribonucleoprotein A/B OS=Homo sapiens OX=9606 GN=HNRNPAB	sp|Q99729-3|ROAA_HUMAN	31 kDa	0	0
Isoform 2 of Heterogeneous nuclear ribonucleoprotein A3 OS=Homo sapiens OX=9606 GN=HNRNPA3	sp|P51991-2|ROA3_HUMAN (+2)	37 kDa	0	0
Calpain small subunit 1 OS=Homo sapiens OX=9606 GN=CAPNS1 PE=1 SV=1	sp|P04632|CPNS1_HUMAN (+1)	28 kDa	0	0
Isoform 2 of Serine/arginine-rich splicing factor 3 OS=Homo sapiens OX=9606 GN=SRSF3	sp|P84103-2|SRSF3_HUMAN (+2)	14 kDa	0	0
UV excision repair protein RAD23 homolog B OS=Homo sapiens OX=9606 GN=RAD23B PE=1 SV=1	sp|P54727|RD23B_HUMAN (+4)	43 kDa	0	0
Nucleoporin 153kDa, isoform CRA_a OS=Homo sapiens OX=9606 GN=NUP153 PE=4 SV=1	tr|A0A024QZW7|A0A024QZW7_HUMAN	154 kDa	0	0
Cytoplasmic FMR1-interacting protein 1 OS=Homo sapiens OX=9606 GN=CYFIP1 PE=1 SV=1	sp|Q7L576|CYFP1_HUMAN (+1)	145 kDa	0	0
Isoform 2 of ATP-dependent RNA helicase DDX54 OS=Homo sapiens OX=9606 GN=DDX54	sp|Q8TDD1-2|DDX54_HUMAN (+1)	99 kDa	0	0
Phosphatidylinositol 4-kinase alpha OS=Homo sapiens OX=9606 GN=PI4KA PE=1 SV=4	sp|P42356|PI4KA_HUMAN	237 kDa	0	0
cDNA FLJ52068, highly similar to Microtubule-associated protein RP/EB family member 1 OS=Homo sapiens OX=9	tr|B4DM33|B4DM33_HUMAN	27 kDa	0	0
Periplakin OS=Homo sapiens OX=9606 GN=PPL PE=1 SV=4	sp|O60437|PEPL_HUMAN	205 kDa	0	0
Ras-related protein Rab-7a OS=Homo sapiens OX=9606 GN=RAB7A PE=1 SV=1	sp|P51149|RAB7A_HUMAN (+1)	23 kDa	0	0
Synaptic vesicle membrane protein VAT-1 homolog OS=Homo sapiens OX=9606 GN=VAT1 PE=1 SV=2	sp|Q99536|VAT1_HUMAN (+1)	42 kDa	0	0
ATP-dependent RNA helicase DHX29 OS=Homo sapiens OX=9606 GN=DHX29 PE=1 SV=1	tr|A0A087WYN9|A0A087WYN9_HUMAN	155 kDa	0	0

Eukaryotic translation initiation factor 3 subunit F OS=Homo sapiens OX=9606 GN=EIF3F PE=1 SV=1	sp|O00303|EIF3F_HUMAN	38 kDa	0	0
Isoform 2 of Replication factor C subunit 5 OS=Homo sapiens OX=9606 GN=RFC5	sp|P40937-2|RFC5_HUMAN (+4)	36 kDa	0	0
Leucine--tRNA ligase, cytoplasmic OS=Homo sapiens OX=9606 GN=LARS PE=1 SV=2	sp|Q9P2J5|SYLC_HUMAN (+3)	134 kDa	0	0
Leucine-rich repeat-containing protein 59 OS=Homo sapiens OX=9606 GN=LRRC59 PE=1 SV=1	sp|Q96AG4|LRC59_HUMAN	35 kDa	0	0
Isoform 2 of Protein disulfide-isomerase A6 OS=Homo sapiens OX=9606 GN=PDIA6	sp|Q15084-2|PDIA6_HUMAN (+5)	54 kDa	0	0
Isoform 2 of Heterogeneous nuclear ribonucleoprotein R OS=Homo sapiens OX=9606 GN=HNRNPR	sp|O43390-2|HNRPR_HUMAN (+3)	71 kDa	0	0
Isoform 2 of Dynamin-2 OS=Homo sapiens OX=9606 GN=DNM2	sp|P50570-2|DYN2_HUMAN (+2)	98 kDa	0	0
60S ribosomal protein L10a OS=Homo sapiens OX=9606 GN=RPL10A PE=1 SV=2	sp|P62906|RL10A_HUMAN	25 kDa	0	0
Isoform Beta-4A of Integrin beta-4 OS=Homo sapiens OX=9606 GN=ITGB4	sp|P16144-2|ITB4_HUMAN (+8)	195 kDa	0	0
Basic leucine zipper and W2 domain-containing protein 2 OS=Homo sapiens OX=9606 GN=BZW2 PE=1 SV=1	sp|Q9Y6E2|BZW2_HUMAN	48 kDa	0	0
Structural maintenance of chromosomes protein OS=Homo sapiens OX=9606 PE=2 SV=1	tr|B3KXX5|B3KXX5_HUMAN	144 kDa	0	0
Oxygen-dependent coproporphyrinogen-III oxidase, mitochondrial OS=Homo sapiens OX=9606 GN=CPOX PE=1 S	sp|P36551|HEM6_HUMAN	50 kDa	0	0
Isoform Long of Proteasome subunit alpha type-1 OS=Homo sapiens OX=9606 GN=PSMA1	sp|P25786-2|PSA1_HUMAN (+1)	30 kDa	0	0
RPL14 protein OS=Homo sapiens OX=9606 GN=RPL14 PE=1 SV=1	tr|Q6IPH7|Q6IPH7_HUMAN	24 kDa	0	0
Phosphoribosylformylglycinamidine synthase OS=Homo sapiens OX=9606 GN=PFAS PE=1 SV=4	sp|O15067|PUR4_HUMAN (+2)	145 kDa	0	0
ATP synthase F(0) complex subunit B1, mitochondrial OS=Homo sapiens OX=9606 GN=ATP5PB PE=1 SV=2	sp|P24539|AT5F1_HUMAN (+3)	29 kDa	0	0
Desmoglein-2 OS=Homo sapiens OX=9606 GN=DSG2 PE=1 SV=2	sp|Q14126|DSG2_HUMAN	122 kDa	0	0
Isoform 3 of Perilipin-3 OS=Homo sapiens OX=9606 GN=PLIN3	sp|O60664-3|PLIN3_HUMAN (+1)	47 kDa	0	0
DNA replication licensing factor MCM3 OS=Homo sapiens OX=9606 GN=MCM3 PE=1 SV=3	sp|P25205|MCM3_HUMAN (+3)	91 kDa	0	0
40S ribosomal protein S3a OS=Homo sapiens OX=9606 GN=RPS3A PE=1 SV=2	sp|P61247|RS3A_HUMAN (+2)	30 kDa	0	0
Translin OS=Homo sapiens OX=9606 GN=TSN PE=1 SV=1	sp|Q15631|TSN_HUMAN (+1)	26 kDa	0	0
Cytochrome b-c1 complex subunit 2, mitochondrial OS=Homo sapiens OX=9606 GN=UQCRC2 PE=1 SV=3	sp|P22695|QCR2_HUMAN	48 kDa	0	0
Calreticulin OS=Homo sapiens OX=9606 GN=CALR PE=1 SV=1	sp|P27797|CALR_HUMAN (+3)	48 kDa	0	0
Neutral amino acid transporter B(0) OS=Homo sapiens OX=9606 GN=SLC1A5 PE=1 SV=2	sp|Q15758|AAAT_HUMAN (+1)	57 kDa	0	0
Isoform 3 of Plasminogen activator inhibitor 1 RNA-binding protein OS=Homo sapiens OX=9606 GN=SERBP1	sp|Q8NC51-3|PAIRB_HUMAN (+1)	43 kDa	0	0
Calcyclin-binding protein OS=Homo sapiens OX=9606 GN=CACYBP PE=1 SV=2	sp|Q9HB71|CYBP_HUMAN (+2)	26 kDa	0	0
Dynein assembly factor 5, axonemal OS=Homo sapiens OX=9606 GN=DNAAF5 PE=1 SV=4	sp|Q86Y56|DAAF5_HUMAN	94 kDa	0	0
26S proteasome non-ATPase regulatory subunit 7 OS=Homo sapiens OX=9606 GN=PSMD7 PE=1 SV=2	sp|P51665|PSMD7_HUMAN (+1)	37 kDa	0	0
cDNA FLJ30614 fis, clone CTONG2001139 OS=Homo sapiens OX=9606 PE=2 SV=1	tr|B3KNW8|B3KNW8_HUMAN (+1)	123 kDa	0	0
Isoform 4 of 26S proteasome non-ATPase regulatory subunit 6 OS=Homo sapiens OX=9606 GN=PSMD6	sp|Q15008-4|PSMD6_HUMAN	52 kDa	0	0
Thyroid hormone receptor-associated protein 3 OS=Homo sapiens OX=9606 GN=THRAP3 PE=1 SV=2	sp|Q9Y2W1|TR150_HUMAN (+1)	109 kDa	0	0
Isoform 2 of Interleukin enhancer-binding factor 3 OS=Homo sapiens OX=9606 GN=ILF3	sp|Q12906-2|ILF3_HUMAN (+7)	76 kDa	0	0
Isoform 2 of Adenylate kinase 2, mitochondrial OS=Homo sapiens OX=9606 GN=AK2	sp|P54819-2|KAD2_HUMAN (+1)	26 kDa	0	0
Isoform 2 of Protein arginine N-methyltransferase 1 OS=Homo sapiens OX=9606 GN=PRMT1	sp|Q99873-2|ANM1_HUMAN (+3)	40 kDa	0	0
Isoform 7 of S-methyl-5'-thioadenosine phosphorylase OS=Homo sapiens OX=9606 GN=MTAP	sp|Q13126-7|MTAP_HUMAN	26 kDa	0	0
14-3-3 protein theta OS=Homo sapiens OX=9606 GN=YWHAQ PE=1 SV=1	sp|P27348|1433T_HUMAN	28 kDa	0	0
Large proline-rich protein BAG6 OS=Homo sapiens OX=9606 GN=BAG6 PE=1 SV=1	tr|A0A0G2JL47|A0A0G2JL47_HUMAN	113 kDa	0	0
Isoform 3 of Drebrin OS=Homo sapiens OX=9606 GN=DBN1	sp|Q16643-3|DREB_HUMAN (+1)	76 kDa	0	0
Isoform 2 of Host cell factor 1 OS=Homo sapiens OX=9606 GN=HCFC1	sp|P51610-2|HCFC1_HUMAN (+2)	202 kDa	0	0
60S ribosomal protein L24 OS=Homo sapiens OX=9606 GN=RPL24 PE=1 SV=1	sp|P83731|RL24_HUMAN (+2)	18 kDa	0	0
Isoform 2 of Poly(U)-binding-splicing factor PUF60 OS=Homo sapiens OX=9606 GN=PUF60	sp|Q9UHX1-2|PUF60_HUMAN (+8)	58 kDa	0	0
Isoform 3 of Nucleolar and coiled-body phosphoprotein 1 OS=Homo sapiens OX=9606 GN=NOLC1	sp|Q14978-3|NOLC1_HUMAN	74 kDa	0	0
Isoform 2 of Nuclear pore complex protein Nup155 OS=Homo sapiens OX=9606 GN=NUP155	sp|O75694-2|NU155_HUMAN (+3)	149 kDa	0	0
Pyruvate dehydrogenase E1 component subunit beta, mitochondrial OS=Homo sapiens OX=9606 GN=PDHB PE=1	sp|P11177|ODPB_HUMAN (+1)	39 kDa	0	0
cDNA FLJ46359 fis, clone TESTI4049786, highly similar to Hexokinase-1 OS=Homo sapiens OX=9606 PE=2 SV=1	tr|B3KXY9|B3KXY9_HUMAN	106 kDa	0	0
Activator of 90 kDa heat shock protein ATPase homolog 1 OS=Homo sapiens OX=9606 GN=AHSA1 PE=1 SV=1	sp|O95433|AHSA1_HUMAN	38 kDa	0	0
U4/U6.U5 tri-snRNP-associated protein 2 OS=Homo sapiens OX=9606 GN=USP39 PE=1 SV=2	sp|Q53GS9|SNUT2_HUMAN	65 kDa	0	0
Isoform 2 of NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial OS=Homo sapiens OX=9606 GN=N	sp|P28331-2|NDUS1_HUMAN	81 kDa	0	0
Serine/threonine-protein kinase mTOR OS=Homo sapiens OX=9606 GN=MTOR PE=1 SV=1	sp|P42345|MTOR_HUMAN	289 kDa	0	0
Isoform 2 of 26S proteasome regulatory subunit 8 OS=Homo sapiens OX=9606 GN=PSMC5	sp|P62195-2|PRS8_HUMAN (+2)	45 kDa	0	0
Isoform 4 of MICOS complex subunit MIC60 OS=Homo sapiens OX=9606 GN=IMMT	sp|Q16891-4|MIC60_HUMAN	84 kDa	0	0
Probable global transcription activator SNF2L1 OS=Homo sapiens OX=9606 GN=SMARCA1 PE=1 SV=2	sp|P28370|SMCA1_HUMAN	123 kDa	0	0
Isoform 2 of Phenylalanine--tRNA ligase beta subunit OS=Homo sapiens OX=9606 GN=FARSB	sp|Q9NSD9-2|SYFB_HUMAN (+4)	55 kDa	0	0
Pyrroline-5-carboxylate reductase 2 OS=Homo sapiens OX=9606 GN=PYCR2 PE=1 SV=1	sp|Q96C36|P5CR2_HUMAN (+1)	34 kDa	0	0
Isoform 2 of Serine-threonine kinase receptor-associated protein OS=Homo sapiens OX=9606 GN=STRAP	sp|Q9Y3F4-2|STRAP_HUMAN	40 kDa	0	0
Isoform 7 of NADPH:adrenodoxin oxidoreductase, mitochondrial OS=Homo sapiens OX=9606 GN=FDXR	sp|P22570-7|ADRO_HUMAN (+1)	57 kDa	0	0
Isoform 2 of Regulator of chromosome condensation OS=Homo sapiens OX=9606 GN=RCC1	sp|P18754-2|RCC1_HUMAN	48 kDa	0	0
Twinfilin-1 OS=Homo sapiens OX=9606 GN=TWF1 PE=1 SV=3	sp|Q12792|TWF1_HUMAN	40 kDa	0	0
Cytosol aminopeptidase OS=Homo sapiens OX=9606 GN=LAP3 PE=1 SV=3	sp|P28838|AMPL_HUMAN (+1)	56 kDa	0	0
Protein arginine N-methyltransferase 5 OS=Homo sapiens OX=9606 GN=PRMT5 PE=1 SV=4	sp|O14744|ANM5_HUMAN (+1)	73 kDa	0	0
Isoform 2 of Very long-chain specific acyl-CoA dehydrogenase, mitochondrial OS=Homo sapiens OX=9606 GN=AC	sp|P49748-2|ACADV_HUMAN (+3)	68 kDa	0	0
Serpin H1 OS=Homo sapiens OX=9606 GN=SERPINH1 PE=1 SV=2	sp|P50454|SERPH_HUMAN (+1)	46 kDa	0	0
26S proteasome non-ATPase regulatory subunit 12 OS=Homo sapiens OX=9606 GN=PSMD12 PE=1 SV=3	sp|O00232|PSD12_HUMAN	53 kDa	0	0
Isoform 2 of Protein unc-45 homolog A OS=Homo sapiens OX=9606 GN=UNC45A	sp|Q9H3U1-2|UN45A_HUMAN (+1)	102 kDa	0	0
Isoform 2 of Electron transfer flavoprotein subunit beta OS=Homo sapiens OX=9606 GN=ETFB	sp|P38117-2|ETFB_HUMAN (+1)	37 kDa	0	0
Isoform 2 of Phosphoglucomutase-1 OS=Homo sapiens OX=9606 GN=PGM1	sp|P36871-2|PGM1_HUMAN (+3)	64 kDa	0	0
Isoform 2 of General vesicular transport factor p115 OS=Homo sapiens OX=9606 GN=USO1	sp|O60763-2|USO1_HUMAN (+2)	109 kDa	0	0
Isoform 2 of DnaJ homolog subfamily A member 1 OS=Homo sapiens OX=9606 GN=DNAJA1	sp|P31689-2|DNJA1_HUMAN (+1)	37 kDa	0	0
40S ribosomal protein S13 OS=Homo sapiens OX=9606 GN=RPS13 PE=1 SV=2	sp|P62277|RS13_HUMAN	17 kDa	0	0
THO complex subunit 2 OS=Homo sapiens OX=9606 GN=THOC2 PE=1 SV=2	sp|Q8NI27|THOC2_HUMAN (+1)	183 kDa	0	0
Tubulin beta-3 chain OS=Homo sapiens OX=9606 GN=TUBB3 PE=1 SV=2	sp|Q13509|TBB3_HUMAN	50 kDa	0	0
Heterogeneous nuclear ribonucleoprotein A0 OS=Homo sapiens OX=9606 GN=HNRNPA0 PE=1 SV=1	sp|Q13151|ROA0_HUMAN	31 kDa	0	0
Multifunctional protein ADE2 OS=Homo sapiens OX=9606 GN=PAICS PE=1 SV=3	sp|P22234|PUR6_HUMAN (+2)	47 kDa	0	0
Isoform 2 of Electron transfer flavoprotein subunit alpha, mitochondrial OS=Homo sapiens OX=9606 GN=ETFA	sp|P13804-2|ETFA_HUMAN (+2)	30 kDa	0	0
Ras GTPase-activating protein-binding protein 1 OS=Homo sapiens OX=9606 GN=G3BP1 PE=1 SV=1	sp|Q13283|G3BP1_HUMAN (+2)	52 kDa	0	0
Centromere protein V OS=Homo sapiens OX=9606 GN=CENPV PE=1 SV=1	sp|Q7Z7K6|CENPV_HUMAN	30 kDa	0	0
Isoform 2 of 40S ribosomal protein S20 OS=Homo sapiens OX=9606 GN=RPS20	sp|P60866-2|RS20_HUMAN (+1)	16 kDa	0	0
Isoform 2 of Unconventional myosin-Ib OS=Homo sapiens OX=9606 GN=MYO1B	sp|O43795-2|MYO1B_HUMAN (+1)	125 kDa	0	0
Eukaryotic translation initiation factor 3 subunit M OS=Homo sapiens OX=9606 GN=EIF3M PE=1 SV=1	sp|Q7L2H7|EIF3M_HUMAN	43 kDa	0	0
Ribosomal protein L10 isoform A (Fragment) OS=Homo sapiens OX=9606 GN=RPL10 PE=2 SV=1	tr|X5D2T3|X5D2T3_HUMAN	25 kDa	0	0
Cytochrome c oxidase subunit 2 OS=Homo sapiens OX=9606 GN=MT-CO2 PE=1 SV=1	sp|P00403|COX2_HUMAN (+6)	26 kDa	0	0
26S proteasome non-ATPase regulatory subunit 14 OS=Homo sapiens OX=9606 GN=PSMD14 PE=1 SV=1	sp|O00487|PSDE_HUMAN (+1)	35 kDa	0	0
Calpain-1 catalytic subunit OS=Homo sapiens OX=9606 GN=CAPN1 PE=1 SV=1	sp|P07384|CAN1_HUMAN (+3)	82 kDa	0	0
Isoform 2 of Probable ATP-dependent RNA helicase DDX5 OS=Homo sapiens OX=9606 GN=DDX5	sp|P17844-2|DDX5_HUMAN (+1)	61 kDa	0	0
Proteasome subunit beta type-1 OS=Homo sapiens OX=9606 GN=PSMB1 PE=1 SV=2	sp|P20618|PSB1_HUMAN (+1)	26 kDa	0	0
Isoform 2 of Heterogeneous nuclear ribonucleoprotein H3 OS=Homo sapiens OX=9606 GN=HNRNPH3	sp|P31942-2|HNRH3_HUMAN	35 kDa	0	0
60S ribosomal protein L9 OS=Homo sapiens OX=9606 GN=RPL9 PE=1 SV=1	sp|P32969|RL9_HUMAN (+1)	22 kDa	0	0
Isoform 2 of Ras-related protein Rab-5C OS=Homo sapiens OX=9606 GN=RAB5C	sp|P51148-2|RAB5C_HUMAN (+2)	27 kDa	0	0

40S ribosomal protein S11 OS=Homo sapiens OX=9606 GN=RPS11 PE=1 SV=3	sp|P62280|RS11_HUMAN	18 kDa	0	0
Protein/nucleic acid deglycase DJ-1 OS=Homo sapiens OX=9606 GN=PARK7 PE=1 SV=2	sp|Q99497|PARK7_HUMAN (+1)	20 kDa	0	0
NF45 OS=Homo sapiens OX=9606 PE=2 SV=1	tr|F4ZW63|F4ZW63_HUMAN	43 kDa	0	0
60S ribosomal protein L26 OS=Homo sapiens OX=9606 GN=RPL26 PE=1 SV=1	sp|P61254|RL26_HUMAN (+1)	17 kDa	0	0
Isoform 2 of Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial OS=Homo sapiens OX=9	sp|P31040-2|SDHA_HUMAN (+3)	67 kDa	0	0
E3 ubiquitin/ISG15 ligase TRIM25 OS=Homo sapiens OX=9606 GN=TRIM25 PE=1 SV=2	sp|Q14258|TRI25_HUMAN (+1)	71 kDa	0	0
Zinc finger CCCH-type antiviral protein 1 OS=Homo sapiens OX=9606 GN=ZC3HAV1 PE=1 SV=3	sp|Q7Z2W4|ZCCHV_HUMAN (+2)	101 kDa	0	0
Transcription factor BTF3 OS=Homo sapiens OX=9606 GN=BTF3 PE=1 SV=1	sp|P20290|BTF3_HUMAN	22 kDa	0	0
Isoform 2 of Nucleosome assembly protein 1-like 4 OS=Homo sapiens OX=9606 GN=NAP1L4	sp|Q99733-2|NP1L4_HUMAN (+2)	44 kDa	0	0
Isoform 2 of Integrator complex subunit 3 OS=Homo sapiens OX=9606 GN=INTS3	sp|Q68E01-2|INT3_HUMAN (+1)	118 kDa	0	0
Aspartyl/asparaginyl beta-hydroxylase OS=Homo sapiens OX=9606 GN=ASPH PE=1 SV=3	sp|Q12797|ASPH_HUMAN	86 kDa	0	0
Isoform 2 of Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit OS=Homo sapiens O	sp|P39656-2|OST48_HUMAN (+4)	47 kDa	0	0
Proteasome activator complex subunit 1 OS=Homo sapiens OX=9606 GN=PSME1 PE=1 SV=1	sp|Q06323|PSME1_HUMAN (+3)	29 kDa	0	0
Isoform 2 of Enoyl-CoA delta isomerase 1, mitochondrial OS=Homo sapiens OX=9606 GN=ECI1	sp|P42126-2|ECI1_HUMAN (+2)	31 kDa	0	0
26S proteasome non-ATPase regulatory subunit 13 OS=Homo sapiens OX=9606 GN=PSMD13 PE=1 SV=2	sp|Q9UNM6|PSD13_HUMAN (+3)	43 kDa	0	0
Proline-, glutamic acid- and leucine-rich protein 1 OS=Homo sapiens OX=9606 GN=PELP1 PE=1 SV=2	sp|Q8IZL8|PELP1_HUMAN (+1)	120 kDa	0	0
Isoform 4 of Tubulin-specific chaperone D OS=Homo sapiens OX=9606 GN=TBCD	sp|Q9BTW9-4|TBCD_HUMAN (+1)	139 kDa	0	0
Tyrosine--tRNA ligase, cytoplasmic OS=Homo sapiens OX=9606 GN=YARS PE=1 SV=4	sp|P54577|SYYC_HUMAN (+2)	59 kDa	0	0
CKAP4 protein (Fragment) OS=Homo sapiens OX=9606 GN=CKAP4 PE=2 SV=1	tr|Q6NWZ1|Q6NWZ1_HUMAN	68 kDa	0	0
Isoform 2 of Rho GTPase-activating protein 18 OS=Homo sapiens OX=9606 GN=ARHGAP18	sp|Q8N392-2|RHG18_HUMAN (+2)	70 kDa	0	0
Transmembrane emp24 domain-containing protein 10 OS=Homo sapiens OX=9606 GN=TMED10 PE=1 SV=2	sp|P49755|TMEDA_HUMAN (+2)	25 kDa	0	0
Replication protein A 70 kDa DNA-binding subunit OS=Homo sapiens OX=9606 GN=RPA1 PE=1 SV=2	sp|P27694|RFA1_HUMAN	68 kDa	0	0
Alpha-fetoprotein OS=Homo sapiens OX=9606 GN=AFP PE=1 SV=1	sp|P02771|FETA_HUMAN (+3)	69 kDa	0	0
Protein FAM49B OS=Homo sapiens OX=9606 GN=FAM49B PE=1 SV=1	sp|Q9NUQ9|FA49B_HUMAN (+1)	37 kDa	0	0
Thyroid adenoma-associated protein OS=Homo sapiens OX=9606 GN=THADA PE=1 SV=1	sp|Q6YHU6|THADA_HUMAN	220 kDa	0	0
Isoform 2 of DDB1- and CUL4-associated factor 1 OS=Homo sapiens OX=9606 GN=DCAF1	sp|Q9Y4B6-2|DCAF1_HUMAN (+2)	169 kDa	0	0
Disks large-associated protein 4 OS=Homo sapiens OX=9606 GN=DLGAP4 PE=1 SV=3	sp|Q9Y2H0|DLGP4_HUMAN	108 kDa	0	0
Isoform 2 of Vesicle-associated membrane protein-associated protein A OS=Homo sapiens OX=9606 GN=VAPA	sp|Q9P0L0-2|VAPA_HUMAN	33 kDa	0	0
Solute carrier family 2, facilitated glucose transporter member 1 OS=Homo sapiens OX=9606 GN=SLC2A1 PE=1 SV	sp|P11166|GTR1_HUMAN (+3)	54 kDa	0	0
Isoform D of Constitutive coactivator of PPAR-gamma-like protein 1 OS=Homo sapiens OX=9606 GN=FAM120A	sp|Q9NZB2-4|F120A_HUMAN (+1)	117 kDa	0	0
Sister chromatid cohesion protein PDS5 homolog A OS=Homo sapiens OX=9606 GN=PDS5A PE=1 SV=1	sp|Q29RF7|PDS5A_HUMAN	151 kDa	0	0
Glycogen debranching enzyme OS=Homo sapiens OX=9606 GN=AGL PE=1 SV=3	sp|P35573|GDE_HUMAN (+2)	175 kDa	0	0
Isoform 2 of NACHT, LRR and PYD domains-containing protein 2 OS=Homo sapiens OX=9606 GN=NLRP2	sp|Q9NX02-2|NALP2_HUMAN (+3)	118 kDa	0	0
Isoform 6 of Dynamin-1-like protein OS=Homo sapiens OX=9606 GN=DNM1L	sp|O00429-6|DNM1L_HUMAN (+1)	83 kDa	0	0
Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform OS=Homo sapiens OX=9606 GN=PPP2CB	sp|P62714|PP2AB_HUMAN (+3)	36 kDa	0	0
Isoform 2 of ER membrane protein complex subunit 1 OS=Homo sapiens OX=9606 GN=EMC1	sp|Q8N766-2|EMC1_HUMAN (+2)	112 kDa	0	0
Isoform 2 of Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial OS=Homo sapiens OX=9606 GN=HADH	sp|Q16836-2|HCDH_HUMAN (+2)	42 kDa	0	0
Isoform 2 of La-related protein 1 OS=Homo sapiens OX=9606 GN=LARP1	sp|Q6PKG0-3|LARP1_HUMAN	116 kDa	0	0
Catenin beta-1 OS=Homo sapiens OX=9606 GN=CTNNB1 PE=1 SV=1	sp|P35222|CTNB1_HUMAN (+4)	85 kDa	0	0
Isoform 2 of Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1 OS=Homo sapiens OX=9606 GN=	sp|Q06210-2|GFPT1_HUMAN (+1)	77 kDa	0	0
NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial OS=Homo sapiens OX=9606 GN=NDUFS3	sp|O75489|NDUS3_HUMAN	30 kDa	0	0
Isoform 2 of Gelsolin OS=Homo sapiens OX=9606 GN=GSN	sp|P06396-2|GELS_HUMAN (+4)	81 kDa	0	0
Probable ATP-dependent RNA helicase DDX47 OS=Homo sapiens OX=9606 GN=DDX47 PE=1 SV=1	sp|Q9H0S4|DDX47_HUMAN (+3)	51 kDa	0	0
Alkyldihydroxyacetonephosphate synthase, peroxisomal OS=Homo sapiens OX=9606 GN=AGPS PE=1 SV=1	sp|O00116|ADAS_HUMAN	73 kDa	0	0
RNA binding protein (Autoantigenic, hnRNP-associated with lethal yellow) long isoform variant (Fragment) OS=H	tr|Q53GL6|Q53GL6_HUMAN (+1)	37 kDa	0	0
Cytochrome b-c1 complex subunit 1, mitochondrial OS=Homo sapiens OX=9606 GN=UQCRC1 PE=1 SV=3	sp|P31930|QCR1_HUMAN	53 kDa	0	0
Methionine--tRNA ligase, cytoplasmic OS=Homo sapiens OX=9606 GN=MARS PE=1 SV=2	sp|P56192|SYMC_HUMAN (+1)	101 kDa	0	0
Isoform 2 of Transportin-1 OS=Homo sapiens OX=9606 GN=TNPO1	sp|Q92973-2|TNPO1_HUMAN (+1)	101 kDa	0	0
V-type proton ATPase catalytic subunit A OS=Homo sapiens OX=9606 GN=ATP6V1A PE=1 SV=2	sp|P38606|VATA_HUMAN	68 kDa	0	0
Putative RNA-binding protein Luc7-like 2 OS=Homo sapiens OX=9606 GN=LUC7L2 PE=1 SV=2	sp|Q9Y383|LC7L2_HUMAN	47 kDa	0	0
60S ribosomal protein L12 OS=Homo sapiens OX=9606 GN=RPL12 PE=1 SV=1	sp|P30050|RL12_HUMAN	18 kDa	0	0
Glutamate dehydrogenase OS=Homo sapiens OX=9606 PE=2 SV=1	tr|B4DMG8|B4DMG8_HUMAN	56 kDa	0	0
Isoform Short of Eukaryotic translation initiation factor 4H OS=Homo sapiens OX=9606 GN=EIF4H	sp|Q15056-2|IF4H_HUMAN	25 kDa	0	0
ATP synthase subunit O, mitochondrial OS=Homo sapiens OX=9606 GN=ATP5PO PE=1 SV=1	sp|P48047|ATPO_HUMAN	23 kDa	0	0
Isoform 4 of Probable 28S rRNA (cytosine(4447)-C(5))-methyltransferase OS=Homo sapiens OX=9606 GN=NOP2	sp|P46087-4|NOP2_HUMAN (+1)	93 kDa	0	0
Translationally-controlled tumor protein OS=Homo sapiens OX=9606 GN=TPT1 PE=1 SV=1	sp|P13693|TCTP_HUMAN (+2)	20 kDa	0	0
Small glutamine-rich tetratricopeptide repeat-containing protein alpha OS=Homo sapiens OX=9606 GN=SGTA PE	sp|O43765|SGTA_HUMAN	34 kDa	0	0
Purine nucleoside phosphorylase OS=Homo sapiens OX=9606 GN=PNP PE=1 SV=2	sp|P00491|PNPH_HUMAN (+2)	32 kDa	0	0
Isoform 10 of CD44 antigen OS=Homo sapiens OX=9606 GN=CD44	sp|P16070-10|CD44_HUMAN (+9)	53 kDa	0	0
Proteasome subunit alpha type-2 OS=Homo sapiens OX=9606 GN=PSMA2 PE=1 SV=2	sp|P25787|PSA2_HUMAN (+1)	26 kDa	0	0
Phosphatidylethanolamine-binding protein 1 OS=Homo sapiens OX=9606 GN=PEBP1 PE=1 SV=3	sp|P30086|PEBP1_HUMAN (+2)	21 kDa	0	0
S-adenosylmethionine synthase isoform type-2 OS=Homo sapiens OX=9606 GN=MAT2A PE=1 SV=1	sp|P31153|METK2_HUMAN (+2)	44 kDa	0	0
Serine/threonine-protein phosphatase PP1-alpha catalytic subunit OS=Homo sapiens OX=9606 GN=PPP1CA PE=1	sp|P62136|PP1A_HUMAN	38 kDa	0	0
60S ribosomal protein L11 OS=Homo sapiens OX=9606 GN=RPL11 PE=1 SV=2	sp|P62913|RL11_HUMAN (+1)	20 kDa	0	0
Phosphoserine aminotransferase OS=Homo sapiens OX=9606 GN=PSAT1 PE=1 SV=2	sp|Q9Y617|SERC_HUMAN (+2)	40 kDa	0	0
Isoform 2 of 3-hydroxyacyl-CoA dehydrogenase type-2 OS=Homo sapiens OX=9606 GN=HSD17B10	sp|Q99714-2|HCD2_HUMAN (+2)	26 kDa	0	0
Ubiquitin-conjugating enzyme E2 N OS=Homo sapiens OX=9606 GN=UBE2N PE=1 SV=1	sp|P61088|UBE2N_HUMAN (+3)	17 kDa	0	0
Protein transport protein Sec24A OS=Homo sapiens OX=9606 GN=SEC24A PE=1 SV=2	sp|O95486|SC24A_HUMAN	120 kDa	0	0
Citrate synthase OS=Homo sapiens OX=9606 GN=CS PE=3 SV=1	tr|A0A024RB75|A0A024RB75_HUMAN (+1	52 kDa	0	0
WD repeat-containing protein 1 OS=Homo sapiens OX=9606 GN=WDR1 PE=1 SV=4	sp|O75083|WDR1_HUMAN (+4)	66 kDa	0	0
cDNA FLJ51656, highly similar to Actin-like protein 2 OS=Homo sapiens OX=9606 PE=2 SV=1	tr|B4DHK9|B4DHK9_HUMAN	39 kDa	0	0
Exportin-7 OS=Homo sapiens OX=9606 GN=XPO7 PE=1 SV=3	sp|Q9UIA9|XPO7_HUMAN (+2)	124 kDa	0	0
Heterogeneous nuclear ribonucleoprotein U-like protein 2 OS=Homo sapiens OX=9606 GN=HNRNPUL2 PE=1 SV=	sp|Q1KMD3|HNRL2_HUMAN (+1)	85 kDa	0	0
Proteasome subunit alpha type-7 OS=Homo sapiens OX=9606 GN=PSMA7 PE=1 SV=1	sp|O14818|PSA7_HUMAN	28 kDa	0	0
14-3-3 protein eta OS=Homo sapiens OX=9606 GN=YWHAH PE=1 SV=4	sp|Q04917|1433F_HUMAN	28 kDa	0	0
cDNA FLJ61188, highly similar to Basigin OS=Homo sapiens OX=9606 PE=2 SV=1	tr|B4DY23|B4DY23_HUMAN (+1)	28 kDa	0	0
Isoform 3 of Ubiquitin carboxyl-terminal hydrolase 7 OS=Homo sapiens OX=9606 GN=USP7	sp|Q93009-3|UBP7_HUMAN (+4)	126 kDa	0	0
Dolichol-phosphate mannosyltransferase subunit 1 OS=Homo sapiens OX=9606 GN=DPM1 PE=1 SV=1	sp|O60762|DPM1_HUMAN (+4)	30 kDa	0	0
cDNA FLJ10210 fis, clone HEMBA1006344, weakly similar to RADIXIN OS=Homo sapiens OX=9606 PE=2 SV=1	tr|Q9NW91|Q9NW91_HUMAN	51 kDa	0	0
Importin-9 OS=Homo sapiens OX=9606 GN=IPO9 PE=1 SV=3	sp|Q96P70|IPO9_HUMAN	116 kDa	0	0
Isoform 2 of Adenylosuccinate lyase OS=Homo sapiens OX=9606 GN=ADSL	sp|P30566-2|PUR8_HUMAN (+5)	48 kDa	0	0
Isoform 2 of Band 4.1-like protein 2 OS=Homo sapiens OX=9606 GN=EPB41L2	sp|O43491-2|E41L2_HUMAN (+1)	76 kDa	0	0
Ran-specific GTPase-activating protein OS=Homo sapiens OX=9606 GN=RANBP1 PE=1 SV=1	tr|F6WQW2|F6WQW2_HUMAN	32 kDa	0	0
Magnesium transporter protein 1 OS=Homo sapiens OX=9606 GN=MAGT1 PE=1 SV=1	sp|Q9H0U3|MAGT1_HUMAN (+3)	38 kDa	0	0
Glutathione synthetase OS=Homo sapiens OX=9606 GN=GSS PE=1 SV=1	sp|P48637|GSHB_HUMAN (+2)	52 kDa	0	0
Isoform 2 of Integrin beta-1 OS=Homo sapiens OX=9606 GN=ITGB1	sp|P05556-2|ITB1_HUMAN (+4)	87 kDa	0	0
Isoform 2 of Replication factor C subunit 4 OS=Homo sapiens OX=9606 GN=RFC4	sp|P35249-2|RFC4_HUMAN (+2)	34 kDa	0	0
Reticulon OS=Homo sapiens OX=9606 PE=2 SV=1	tr|B7Z3E3|B7Z3E3_HUMAN (+1)	101 kDa	0	0

Nucleolar complex protein 3 homolog OS=Homo sapiens OX=9606 GN=NOC3L PE=1 SV=1	sp|Q8WTT2|NOC3L_HUMAN	93 kDa	0	0
cDNA FLJ53308, highly similar to 2-oxoglutarate dehydrogenase E1 component, mitochondrial OS=Homo sapiens	tr|B4DF00|B4DF00_HUMAN (+1)	111 kDa	0	0
Isoform 2 of AP-2 complex subunit alpha-2 OS=Homo sapiens OX=9606 GN=AP2A2	sp|O94973-2|AP2A2_HUMAN (+1)	104 kDa	0	0
cDNA FLJ59571, highly similar to Eukaryotic translation initiation factor 4gamma 2 OS=Homo sapiens OX=9606 PE	tr|B4DZF2|B4DZF2_HUMAN	110 kDa	0	0
Obg-like ATPase 1 OS=Homo sapiens OX=9606 GN=OLA1 PE=1 SV=2	sp|Q9NTK5|OLA1_HUMAN (+1)	45 kDa	0	0
Pre-rRNA-processing protein TSR1 homolog OS=Homo sapiens OX=9606 GN=TSR1 PE=1 SV=1	sp|Q2NL82|TSR1_HUMAN	92 kDa	0	0
2'-5'-oligoadenylate synthase 3 OS=Homo sapiens OX=9606 GN=OAS3 PE=1 SV=3	sp|Q9Y6K5|OAS3_HUMAN	121 kDa	0	0
ATP-dependent 6-phosphofructokinase, liver type OS=Homo sapiens OX=9606 GN=PFKL PE=1 SV=6	sp|P17858|PFKAL_HUMAN	85 kDa	0	0
Pre-mRNA-processing factor 19 OS=Homo sapiens OX=9606 GN=PRPF19 PE=1 SV=1	sp|Q9UMS4|PRP19_HUMAN	55 kDa	0	0
Poly [ADP-ribose] polymerase OS=Homo sapiens OX=9606 PE=2 SV=1	tr|B4E2S2|B4E2S2_HUMAN	113 kDa	0	0
Isoform 2 of Protein transport protein Sec24B OS=Homo sapiens OX=9606 GN=SEC24B	sp|O95487-2|SC24B_HUMAN (+1)	134 kDa	0	0
Isoform 4 of Nuclear factor NF-kappa-B p100 subunit OS=Homo sapiens OX=9606 GN=NFKB2	sp|Q00653-4|NFKB2_HUMAN (+1)	97 kDa	0	0
Integrin alpha-2 OS=Homo sapiens OX=9606 GN=ITGA2 PE=1 SV=1	sp|P17301|ITA2_HUMAN	129 kDa	0	0
Splicing factor U2AF 35 kDa subunit-like protein OS=Homo sapiens OX=9606 GN=U2AF1L5 PE=1 SV=1	sp|P0DN76|U2AF5_HUMAN (+1)	28 kDa	0	0
Isoform 2 of Coatomer subunit beta' OS=Homo sapiens OX=9606 GN=COPB2	sp|P35606-2|COPB2_HUMAN (+1)	99 kDa	0	0
Vesicle-trafficking protein SEC22b OS=Homo sapiens OX=9606 GN=SEC22B PE=1 SV=4	sp|O75396|SC22B_HUMAN	25 kDa	0	0
Isoform 2 of Glucosidase 2 subunit beta OS=Homo sapiens OX=9606 GN=PRKCSH	sp|P14314-2|GLU2B_HUMAN (+4)	59 kDa	0	0
S-formylglutathione hydrolase OS=Homo sapiens OX=9606 GN=ESD PE=1 SV=2	sp|P10768|ESTD_HUMAN (+2)	31 kDa	0	0
Isoform 3 of Ubiquitin-conjugating enzyme E2 L3 OS=Homo sapiens OX=9606 GN=UBE2L3	sp|P68036-3|UB2L3_HUMAN	24 kDa	0	0
60S ribosomal protein L35a OS=Homo sapiens OX=9606 GN=RPL35A PE=1 SV=2	sp|P18077|RL35A_HUMAN (+1)	13 kDa	0	0
mRNA turnover protein 4 homolog OS=Homo sapiens OX=9606 GN=MRTO4 PE=1 SV=2	sp|Q9UKD2|MRT4_HUMAN (+1)	28 kDa	0	0
Cytosolic non-specific dipeptidase OS=Homo sapiens OX=9606 GN=CNDP2 PE=1 SV=2	sp|Q96KP4|CNDP2_HUMAN	53 kDa	0	0
Isoform 2 of Ubiquitin carboxyl-terminal hydrolase 10 OS=Homo sapiens OX=9606 GN=USP10	sp|Q14694-2|UBP10_HUMAN (+2)	93 kDa	0	0
Isoform 2 of Dihydrolipoyl dehydrogenase, mitochondrial OS=Homo sapiens OX=9606 GN=DLD	sp|P09622-2|DLDH_HUMAN (+6)	44 kDa	0	0
ATP-binding cassette sub-family E member 1 OS=Homo sapiens OX=9606 GN=ABCE1 PE=1 SV=1	sp|P61221|ABCE1_HUMAN	67 kDa	0	0
Mitochondrial 2-oxoglutarate/malate carrier protein OS=Homo sapiens OX=9606 GN=SLC25A11 PE=1 SV=3	sp|Q02978|M2OM_HUMAN (+2)	34 kDa	0	0
Isoform 2 of 2,4-dienoyl-CoA reductase, mitochondrial OS=Homo sapiens OX=9606 GN=DECR1	sp|Q16698-2|DECR_HUMAN (+2)	35 kDa	0	0
Isoform 2 of GMP synthase [glutamine-hydrolyzing] OS=Homo sapiens OX=9606 GN=GMPS	sp|P49915-2|GUAA_HUMAN (+3)	66 kDa	0	0
Cleavage and polyadenylation specificity factor subunit 5 OS=Homo sapiens OX=9606 GN=NUDT21 PE=1 SV=1	sp|O43809|CPSF5_HUMAN (+2)	26 kDa	0	0
Copine-3 OS=Homo sapiens OX=9606 GN=CPNE3 PE=1 SV=1	sp|O75131|CPNE3_HUMAN (+1)	60 kDa	0	0
Signal recognition particle subunit SRP72 OS=Homo sapiens OX=9606 GN=SRP72 PE=1 SV=3	sp|O76094|SRP72_HUMAN (+5)	75 kDa	0	0
Galectin-1 OS=Homo sapiens OX=9606 GN=LGALS1 PE=1 SV=2	sp|P09382|LEG1_HUMAN (+1)	15 kDa	0	0
40S ribosomal protein S12 OS=Homo sapiens OX=9606 GN=RPS12 PE=1 SV=3	sp|P25398|RS12_HUMAN	15 kDa	0	0
Isoform 2 of Thioredoxin-dependent peroxide reductase, mitochondrial OS=Homo sapiens OX=9606 GN=PRDX3	sp|P30048-2|PRDX3_HUMAN (+3)	26 kDa	0	0
Ras-related protein Rab-1B OS=Homo sapiens OX=9606 GN=RAB1B PE=1 SV=1	sp|Q9H0U4|RAB1B_HUMAN (+1)	22 kDa	0	0
Fructose-bisphosphate aldolase OS=Homo sapiens OX=9606 PE=2 SV=1	tr|B7Z3K9|B7Z3K9_HUMAN	48 kDa	0	0
Cytochrome b5 type B (Outer mitochondrial membrane), isoform CRA_a OS=Homo sapiens OX=9606 GN=CYB5B	tr|J3KNF8|J3KNF8_HUMAN	17 kDa	0	0
Epididymis secretory sperm binding protein Li 95n OS=Homo sapiens OX=9606 GN=HEL-S-95n PE=2 SV=1	tr|V9HW89|V9HW89_HUMAN	38 kDa	0	0
Ubiquitin-like protein ISG15 OS=Homo sapiens OX=9606 GN=ISG15 PE=1 SV=5	sp|P05161|ISG15_HUMAN (+2)	18 kDa	0	0
Isoform 2 of Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial OS=Homo sapiens OX=9606 GN=IDH3A	sp|P50213-2|IDH3A_HUMAN (+3)	31 kDa	0	0
Isoform 2 of Nuclear autoantigenic sperm protein OS=Homo sapiens OX=9606 GN=NASP	sp|P49321-2|NASP_HUMAN (+2)	49 kDa	0	0
60S ribosomal protein L8 OS=Homo sapiens OX=9606 GN=RPL8 PE=1 SV=2	sp|P62917|RL8_HUMAN (+1)	28 kDa	0	0
OCIA domain-containing protein 1 OS=Homo sapiens OX=9606 GN=OCIAD1 PE=1 SV=1	sp|Q9NX40|OCAD1_HUMAN (+1)	28 kDa	0	0
ADP-ribosylation factor 5 OS=Homo sapiens OX=9606 GN=ARF5 PE=1 SV=2	sp|P84085|ARF5_HUMAN (+1)	21 kDa	0	0
Isoform 2 of Eukaryotic translation initiation factor 3 subunit K OS=Homo sapiens OX=9606 GN=EIF3K	sp|Q9UBQ5-2|EIF3K_HUMAN (+2)	24 kDa	0	0
60S ribosomal protein L30 OS=Homo sapiens OX=9606 GN=RPL30 PE=1 SV=2	sp|P62888|RL30_HUMAN (+2)	13 kDa	0	0
Isoform 4 of Signal recognition particle subunit SRP68 OS=Homo sapiens OX=9606 GN=SRP68	sp|Q9UHB9-4|SRP68_HUMAN (+1)	66 kDa	0	0
Solute carrier family 35 member E1 OS=Homo sapiens OX=9606 GN=SLC35E1 PE=1 SV=2	sp|Q96K37|S35E1_HUMAN (+1)	45 kDa	0	0
Isoform Short of RNA-binding protein FUS OS=Homo sapiens OX=9606 GN=FUS	sp|P35637-2|FUS_HUMAN (+8)	53 kDa	0	0
60S ribosomal protein L19 OS=Homo sapiens OX=9606 GN=RPL19 PE=1 SV=1	sp|P84098|RL19_HUMAN (+4)	23 kDa	0	0
Developmentally-regulated GTP-binding protein 1 OS=Homo sapiens OX=9606 GN=DRG1 PE=1 SV=1	sp|Q9Y295|DRG1_HUMAN	41 kDa	0	0
Platelet-activating factor acetylhydrolase IB subunit beta OS=Homo sapiens OX=9606 GN=PAFAH1B2 PE=1 SV=1	sp|P68402|PA1B2_HUMAN (+1)	26 kDa	0	0
NQO1 protein (Fragment) OS=Homo sapiens OX=9606 GN=NQO1 PE=2 SV=1	tr|Q3B792|Q3B792_HUMAN	27 kDa	0	0
Isoform 3 of Transformer-2 protein homolog beta OS=Homo sapiens OX=9606 GN=TRA2B	sp|P62995-3|TRA2B_HUMAN (+5)	22 kDa	0	0
Isoform 2 of Eukaryotic peptide chain release factor subunit 1 OS=Homo sapiens OX=9606 GN=ETF1	sp|P62495-2|ERF1_HUMAN (+2)	45 kDa	0	0
Isoform 2 of Stomatin-like protein 2, mitochondrial OS=Homo sapiens OX=9606 GN=STOML2	sp|Q9UJZ1-2|STML2_HUMAN (+1)	33 kDa	0	0
U2 small nuclear ribonucleoprotein A' OS=Homo sapiens OX=9606 GN=SNRPA1 PE=1 SV=2	sp|P09661|RU2A_HUMAN (+2)	28 kDa	0	0
40S ribosomal protein S19 OS=Homo sapiens OX=9606 GN=RPS19 PE=1 SV=2	sp|P39019|RS19_HUMAN (+2)	16 kDa	0	0
Exosome complex exonuclease RRP44 OS=Homo sapiens OX=9606 GN=DIS3 PE=1 SV=2	sp|Q9Y2L1|RRP44_HUMAN	109 kDa	0	0
Eukaryotic translation initiation factor 6 OS=Homo sapiens OX=9606 GN=EIF6 PE=1 SV=1	sp|P56537|IF6_HUMAN	27 kDa	0	0
Isoform 2 of ATP-dependent RNA helicase DDX24 OS=Homo sapiens OX=9606 GN=DDX24	sp|Q9GZR7-2|DDX24_HUMAN	90 kDa	0	0
NADPH--cytochrome P450 reductase OS=Homo sapiens OX=9606 GN=POR PE=1 SV=2	sp|P16435|NCPR_HUMAN (+4)	77 kDa	0	0
Isoform 2 of Nucleolar GTP-binding protein 1 OS=Homo sapiens OX=9606 GN=GTPBP4	sp|Q9BZE4-2|NOG1_HUMAN (+4)	68 kDa	0	0
RNA-binding protein 25 OS=Homo sapiens OX=9606 GN=RBM25 PE=1 SV=3	sp|P49756|RBM25_HUMAN	100 kDa	0	0
Plastin-1 OS=Homo sapiens OX=9606 GN=PLS1 PE=1 SV=2	sp|Q14651|PLSI_HUMAN	70 kDa	0	0
Isoform 2 of UDP-glucose 6-dehydrogenase OS=Homo sapiens OX=9606 GN=UGDH	sp|O60701-2|UGDH_HUMAN (+2)	48 kDa	0	0
Aldehyde dehydrogenase family 1 member A3 OS=Homo sapiens OX=9606 GN=ALDH1A3 PE=1 SV=2	sp|P47895|AL1A3_HUMAN (+2)	56 kDa	0	0
Inorganic pyrophosphatase OS=Homo sapiens OX=9606 GN=PPA1 PE=1 SV=2	sp|Q15181|IPYR_HUMAN (+1)	33 kDa	0	0
Isoform 1 of Transportin-3 OS=Homo sapiens OX=9606 GN=TNPO3	sp|Q9Y5L0-1|TNPO3_HUMAN (+7)	108 kDa	0	0
Adaptor-related protein complex 1, mu 2 subunit variant (Fragment) OS=Homo sapiens OX=9606 PE=2 SV=1	tr|Q53GI5|Q53GI5_HUMAN	48 kDa	0	0
Adenylosuccinate synthetase isozyme 2 OS=Homo sapiens OX=9606 GN=ADSS PE=1 SV=3	sp|P30520|PURA2_HUMAN (+2)	50 kDa	0	0
DNA-directed RNA polymerase, mitochondrial OS=Homo sapiens OX=9606 GN=POLRMT PE=1 SV=2	sp|O00411|RPOM_HUMAN (+1)	139 kDa	0	0
cDNA FLJ54534, highly similar to Homo sapiens cysteinyl-tRNA synthetase (CARS), transcript variant 3, mRNA OS=	tr|B4DPV7|B4DPV7_HUMAN	92 kDa	0	0
Casein kinase II subunit alpha OS=Homo sapiens OX=9606 GN=CSNK2A1 PE=1 SV=1	sp|P68400|CSK21_HUMAN (+5)	45 kDa	0	0
Isoform 2 of ELAV-like protein 1 OS=Homo sapiens OX=9606 GN=ELAVL1	sp|Q15717-2|ELAV1_HUMAN (+1)	39 kDa	0	0
Nuclear pore complex protein Nup93 OS=Homo sapiens OX=9606 GN=NUP93 PE=1 SV=2	sp|Q8N1F7|NUP93_HUMAN	93 kDa	0	0
Platelet-activating factor acetylhydrolase IB subunit gamma OS=Homo sapiens OX=9606 GN=PAFAH1B3 PE=1 SV=	sp|Q15102|PA1B3_HUMAN (+1)	26 kDa	0	0
Isoform 2 of Acidic leucine-rich nuclear phosphoprotein 32 family member B OS=Homo sapiens OX=9606 GN=AN	sp|Q92688-2|AN32B_HUMAN (+2)	22 kDa	0	0
Signal recognition particle receptor subunit beta OS=Homo sapiens OX=9606 GN=SRPRB PE=1 SV=3	sp|Q9Y5M8|SRPRB_HUMAN (+1)	30 kDa	0	0
Acylamino-acid-releasing enzyme OS=Homo sapiens OX=9606 GN=APEH PE=1 SV=4	sp|P13798|ACPH_HUMAN (+2)	81 kDa	0	0
GDP-L-fucose synthase OS=Homo sapiens OX=9606 GN=TSTA3 PE=1 SV=1	sp|Q13630|FCL_HUMAN (+1)	36 kDa	0	0
Protein O-GlcNAcase OS=Homo sapiens OX=9606 GN=OGA PE=1 SV=2	sp|O60502|OGA_HUMAN	103 kDa	0	0
Isoform 2 of Extended synaptotagmin-1 OS=Homo sapiens OX=9606 GN=ESYT1	sp|Q9BSJ8-2|ESYT1_HUMAN (+5)	124 kDa	0	0
Isoform 2 of Transmembrane protein 214 OS=Homo sapiens OX=9606 GN=TMEM214	sp|Q6NUQ4-2|TM214_HUMAN (+1)	72 kDa	0	0
Isoform 2 of Caprin-1 OS=Homo sapiens OX=9606 GN=CAPRIN1	sp|Q14444-2|CAPR1_HUMAN (+2)	77 kDa	0	0
Uncharacterized protein DKFZp686E191 OS=Homo sapiens OX=9606 GN=DKFZp686E191 PE=2 SV=1	tr|Q6AWB3|Q6AWB3_HUMAN	99 kDa	0	0
Uridine 5'-monophosphate synthase OS=Homo sapiens OX=9606 GN=UMPS PE=1 SV=1	sp|P11172|UMPS_HUMAN (+2)	52 kDa	0	0
Major vault protein OS=Homo sapiens OX=9606 GN=MVP PE=1 SV=4	sp|Q14764|MVP_HUMAN (+2)	99 kDa	0	0

Isoform 2 of 26S proteasome regulatory subunit 6B OS=Homo sapiens OX=9606 GN=PSMC4	sp|P43686-2|PRS6B_HUMAN (+2)	44 kDa	0	0
Eukaryotic translation initiation factor 1A, Y-chromosomal OS=Homo sapiens OX=9606 GN=EIF1AY PE=1 SV=4	sp|O14602|IF1AY_HUMAN (+2)	16 kDa	0	0
Focadhesin OS=Homo sapiens OX=9606 GN=FOCAD PE=1 SV=1	sp|Q5VW36|FOCAD_HUMAN	200 kDa	0	0
Catalase OS=Homo sapiens OX=9606 PE=2 SV=1	tr|B4DWK8|B4DWK8_HUMAN	53 kDa	0	0
Isoform 2 of 5'-3' exoribonuclease 2 OS=Homo sapiens OX=9606 GN=XRN2	sp|Q9H0D6-2|XRN2_HUMAN (+1)	100 kDa	0	0
CTP synthase 1 OS=Homo sapiens OX=9606 GN=CTPS1 PE=1 SV=2	sp|P17812|PYRG1_HUMAN (+1)	67 kDa	0	0
3-hydroxyisobutyrate dehydrogenase, mitochondrial OS=Homo sapiens OX=9606 GN=HIBADH PE=1 SV=2	sp|P31937|3HIDH_HUMAN (+1)	35 kDa	0	0
Rho-associated protein kinase 2 OS=Homo sapiens OX=9606 GN=ROCK2 PE=1 SV=4	sp|O75116|ROCK2_HUMAN (+1)	161 kDa	0	0
Isoform 2 of Histone-binding protein RBBP7 OS=Homo sapiens OX=9606 GN=RBBP7	sp|Q16576-2|RBBP7_HUMAN (+3)	52 kDa	0	0
Eukaryotic translation initiation factor 5 OS=Homo sapiens OX=9606 GN=EIF5 PE=1 SV=2	sp|P55010|IF5_HUMAN (+2)	49 kDa	0	0
DNA primase large subunit OS=Homo sapiens OX=9606 GN=PRIM2 PE=1 SV=2	sp|P49643|PRI2_HUMAN	59 kDa	0	0
Isoform 4 of Nucleolar protein 6 OS=Homo sapiens OX=9606 GN=NOL6	sp|Q9H6R4-4|NOL6_HUMAN (+2)	127 kDa	0	0
Clustered mitochondria protein homolog (Fragment) OS=Homo sapiens OX=9606 GN=CLUH PE=1 SV=2	tr|I3L2B0|I3L2B0_HUMAN	138 kDa	0	0
1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-3 OS=Homo sapiens OX=9606 GN=PLCB3 PE=1	sp|Q01970|PLCB3_HUMAN	139 kDa	0	0
RNA-binding protein 14 OS=Homo sapiens OX=9606 GN=RBM14 PE=1 SV=2	sp|Q96PK6|RBM14_HUMAN (+1)	69 kDa	0	0
DERP12 (Dermal papilla derived protein 12) OS=Homo sapiens OX=9606 GN=derp12 PE=2 SV=1	tr|Q8TE01|Q8TE01_HUMAN	38 kDa	0	0
Annexin A4 OS=Homo sapiens OX=9606 GN=ANXA4 PE=1 SV=4	sp|P09525|ANXA4_HUMAN	36 kDa	0	0
Vacuolar protein-sorting-associated protein 25 OS=Homo sapiens OX=9606 GN=VPS25 PE=1 SV=1	sp|Q9BRG1|VPS25_HUMAN (+1)	21 kDa	0	0
Ribosomal RNA small subunit methyltransferase NEP1 OS=Homo sapiens OX=9606 GN=EMG1 PE=1 SV=4	sp|Q92979|NEP1_HUMAN	27 kDa	0	0
Lupus La protein OS=Homo sapiens OX=9606 GN=SSB PE=1 SV=2	sp|P05455|LA_HUMAN (+1)	47 kDa	0	0
U1 small nuclear ribonucleoprotein A OS=Homo sapiens OX=9606 GN=SNRPA PE=1 SV=3	sp|P09012|SNRPA_HUMAN (+1)	31 kDa	0	0
Isoform Heart of ATP synthase subunit gamma, mitochondrial OS=Homo sapiens OX=9606 GN=ATP5F1C	sp|P36542-2|ATPG_HUMAN (+3)	33 kDa	0	0
Isoform 2 of Small nuclear ribonucleoprotein Sm D3 OS=Homo sapiens OX=9606 GN=SNRPD3	sp|P62318-2|SMD3_HUMAN (+1)	13 kDa	0	0
Eukaryotic translation initiation factor 3 subunit I OS=Homo sapiens OX=9606 GN=EIF3I PE=1 SV=1	sp|Q13347|EIF3I_HUMAN (+2)	37 kDa	0	0
Ribose-phosphate pyrophosphokinase 3 OS=Homo sapiens OX=9606 GN=PRPS1L1 PE=1 SV=1	tr|A0A0B4J207|A0A0B4J207_HUMAN	35 kDa	0	0
Isocitrate dehydrogenase [NADP] cytoplasmic OS=Homo sapiens OX=9606 GN=IDH1 PE=1 SV=2	sp|O75874|IDHC_HUMAN (+4)	47 kDa	0	0
Ornithine aminotransferase, mitochondrial OS=Homo sapiens OX=9606 GN=OAT PE=1 SV=1	sp|P04181|OAT_HUMAN (+1)	49 kDa	0	0
60S acidic ribosomal protein P2 OS=Homo sapiens OX=9606 GN=RPLP2 PE=1 SV=1	sp|P05387|RLA2_HUMAN (+1)	12 kDa	0	0
Cyclin-dependent kinase 1 OS=Homo sapiens OX=9606 GN=CDK1 PE=1 SV=3	sp|P06493|CDK1_HUMAN (+2)	34 kDa	0	0
Proteasome subunit alpha type-5 OS=Homo sapiens OX=9606 GN=PSMA5 PE=1 SV=3	sp|P28066|PSA5_HUMAN (+2)	26 kDa	0	0
Emerin OS=Homo sapiens OX=9606 GN=EMD PE=1 SV=1	sp|P50402|EMD_HUMAN	29 kDa	0	0
Translocon-associated protein subunit delta OS=Homo sapiens OX=9606 GN=SSR4 PE=1 SV=1	sp|P51571|SSRD_HUMAN	19 kDa	0	0
40S ribosomal protein S6 OS=Homo sapiens OX=9606 GN=RPS6 PE=1 SV=1	sp|P62753|RS6_HUMAN (+2)	29 kDa	0	0
Isoform 2 of Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1 OS=Homo sapiens OX=9606 GN=G	sp|P62873-2|GBB1_HUMAN (+2)	36 kDa	0	0
Isoform 2 of Far upstream element-binding protein 1 OS=Homo sapiens OX=9606 GN=FUBP1	sp|Q96AE4-2|FUBP1_HUMAN (+5)	69 kDa	0	0
Eukaryotic translation initiation factor 3 subunit E OS=Homo sapiens OX=9606 GN=EIF3E PE=1 SV=1	sp|P60228|EIF3E_HUMAN (+1)	52 kDa	0	0
RNA cytidine acetyltransferase OS=Homo sapiens OX=9606 GN=NAT10 PE=1 SV=2	sp|Q9H0A0|NAT10_HUMAN	116 kDa	0	0
Asparagine--tRNA ligase, cytoplasmic OS=Homo sapiens OX=9606 GN=NARS PE=1 SV=1	sp|O43776|SYNC_HUMAN	63 kDa	0	0
Isoform 2 of Eukaryotic translation initiation factor 4B OS=Homo sapiens OX=9606 GN=EIF4B	sp|P23588-2|IF4B_HUMAN (+6)	65 kDa	0	0
Aldehyde dehydrogenase X, mitochondrial OS=Homo sapiens OX=9606 GN=ALDH1B1 PE=1 SV=3	sp|P30837|AL1B1_HUMAN	57 kDa	0	0
Nuclear migration protein nudC OS=Homo sapiens OX=9606 GN=NUDC PE=1 SV=1	sp|Q9Y266|NUDC_HUMAN	38 kDa	0	0
14-3-3 protein gamma OS=Homo sapiens OX=9606 GN=YWHAG PE=1 SV=2	sp|P61981|1433G_HUMAN	28 kDa	0	0
Protein phosphatase 1G OS=Homo sapiens OX=9606 GN=PPM1G PE=1 SV=1	sp|O15355|PPM1G_HUMAN (+2)	59 kDa	0	0
NADP-dependent malic enzyme OS=Homo sapiens OX=9606 GN=ME1 PE=1 SV=1	sp|P48163|MAOX_HUMAN (+1)	64 kDa	0	0
Galectin-3 OS=Homo sapiens OX=9606 GN=LGALS3 PE=1 SV=5	sp|P17931|LEG3_HUMAN (+4)	26 kDa	0	0
Isoform 2 of Inositol-3-phosphate synthase 1 OS=Homo sapiens OX=9606 GN=ISYNA1	sp|Q9NPH2-2|INO1_HUMAN (+3)	47 kDa	0	0
Hsp90 co-chaperone Cdc37 OS=Homo sapiens OX=9606 GN=CDC37 PE=1 SV=1	sp|Q16543|CDC37_HUMAN (+2)	44 kDa	0	0
Small nuclear ribonucleoprotein Sm D1 OS=Homo sapiens OX=9606 GN=SNRPD1 PE=1 SV=1	sp|P62314|SMD1_HUMAN	13 kDa	0	0
Acetyl-CoA acetyltransferase, mitochondrial OS=Homo sapiens OX=9606 GN=ACAT1 PE=1 SV=1	sp|P24752|THIL_HUMAN (+1)	45 kDa	0	0
Isoform Cytoplasmic of Glutathione reductase, mitochondrial OS=Homo sapiens OX=9606 GN=GSR	sp|P00390-2|GSHR_HUMAN (+3)	52 kDa	0	0
Mitochondrial 28S ribosomal protein S34 OS=Homo sapiens OX=9606 PE=2 SV=1	tr|A4UCR9|A4UCR9_HUMAN	21 kDa	0	0
Isoform 2 of Small nuclear ribonucleoprotein-associated protein N OS=Homo sapiens OX=9606 GN=SNRPN	sp|P63162-2|RSMN_HUMAN (+3)	25 kDa	0	0
Isoform 2 of Proteasome subunit alpha type-3 OS=Homo sapiens OX=9606 GN=PSMA3	sp|P25788-2|PSA3_HUMAN (+3)	28 kDa	0	0
60S acidic ribosomal protein P1 OS=Homo sapiens OX=9606 GN=RPLP1 PE=1 SV=1	sp|P05386|RLA1_HUMAN (+3)	12 kDa	0	0
Isoform 2 of Macrophage-capping protein OS=Homo sapiens OX=9606 GN=CAPG	sp|P40121-2|CAPG_HUMAN (+4)	37 kDa	0	0
ATP-dependent RNA helicase DDX18 OS=Homo sapiens OX=9606 GN=DDX18 PE=1 SV=2	sp|Q9NVP1|DDX18_HUMAN	75 kDa	0	0
MICOS complex subunit MIC19 OS=Homo sapiens OX=9606 GN=CHCHD3 PE=1 SV=1	sp|Q9NX63|MIC19_HUMAN (+5)	26 kDa	0	0
Isoform 2 of RNA-binding protein 39 OS=Homo sapiens OX=9606 GN=RBM39	sp|Q14498-2|RBM39_HUMAN (+1)	59 kDa	0	0
Isoform Long of Ubiquitin recognition factor in ER-associated degradation protein 1 OS=Homo sapiens OX=9606 (	sp|Q92890-1|UFD1_HUMAN (+2)	39 kDa	0	0
Ras-related protein Rap-1b-like protein OS=Homo sapiens OX=9606 PE=2 SV=1	sp|A6NIZ1|RP1BL_HUMAN (+3)	21 kDa	0	0
Isoform 2 of Vesicle-fusing ATPase OS=Homo sapiens OX=9606 GN=NSF	sp|P46459-2|NSF_HUMAN (+1)	72 kDa	0	0
Alpha-centractin OS=Homo sapiens OX=9606 GN=ACTR1A PE=1 SV=1	sp|P61163|ACTZ_HUMAN (+4)	43 kDa	0	0
Isoform 2 of 26S proteasome non-ATPase regulatory subunit 5 OS=Homo sapiens OX=9606 GN=PSMD5	sp|Q16401-2|PSMD5_HUMAN (+2)	51 kDa	0	0
THUMP domain-containing protein 1 OS=Homo sapiens OX=9606 GN=THUMPD1 PE=1 SV=2	sp|Q9NXG2|THUM1_HUMAN (+1)	39 kDa	0	0
Golgi phosphoprotein 3 OS=Homo sapiens OX=9606 GN=GOLPH3 PE=1 SV=1	sp|Q9H4A6|GOLP3_HUMAN	34 kDa	0	0
Isoform 2 of Phenylalanine--tRNA ligase alpha subunit OS=Homo sapiens OX=9606 GN=FARSA	sp|Q9Y285-2|SYFA_HUMAN	54 kDa	0	0
Ras GTPase-activating-like protein IQGAP3 OS=Homo sapiens OX=9606 GN=IQGAP3 PE=1 SV=2	sp|Q86VI3|IQGA3_HUMAN	185 kDa	0	0
Growth factor receptor-bound protein 2 OS=Homo sapiens OX=9606 GN=GRB2 PE=1 SV=1	sp|P62993|GRB2_HUMAN (+4)	25 kDa	0	0
Isoform 2 of Mitotic checkpoint protein BUB3 OS=Homo sapiens OX=9606 GN=BUB3	sp|O43684-2|BUB3_HUMAN (+3)	37 kDa	0	0
V-type proton ATPase subunit B, brain isoform OS=Homo sapiens OX=9606 GN=ATP6V1B2 PE=1 SV=3	sp|P21281|VATB2_HUMAN (+1)	57 kDa	0	0
Isoform 2 of Serine/arginine-rich splicing factor 2 OS=Homo sapiens OX=9606 GN=SRSF2	sp|Q01130-2|SRSF2_HUMAN (+5)	24 kDa	0	0
Isoform 2 of Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform OS=Homo sapiens OX=960	sp|Q08209-2|PP2BA_HUMAN (+1)	58 kDa	0	0
Isochorismatase domain-containing protein 1 OS=Homo sapiens OX=9606 GN=ISOC1 PE=1 SV=3	sp|Q96CN7|ISOC1_HUMAN	32 kDa	0	0
cDNA FLJ55794, highly similar to Medium-chain specific acyl-CoA dehydrogenase, mitochondrial OS=Homo sapie	tr|B4DVE0|B4DVE0_HUMAN	36 kDa	0	0
Isoform 2 of Phosphoribosyl pyrophosphate synthase-associated protein 1 OS=Homo sapiens OX=9606 GN=PRPS	sp|Q14558-2|KPRA_HUMAN (+2)	42 kDa	0	0
Signal recognition particle 14 kDa protein OS=Homo sapiens OX=9606 GN=SRP14 PE=1 SV=2	sp|P37108|SRP14_HUMAN	15 kDa	0	0
Galectin-3-binding protein OS=Homo sapiens OX=9606 GN=LGALS3BP PE=1 SV=1	sp|Q08380|LG3BP_HUMAN (+2)	65 kDa	0	0
Eukaryotic translation initiation factor 3 subunit G OS=Homo sapiens OX=9606 GN=EIF3G PE=1 SV=2	sp|O75821|EIF3G_HUMAN	36 kDa	0	0
Lanosterol 14-alpha demethylase OS=Homo sapiens OX=9606 GN=CYP51A1 PE=1 SV=3	sp|Q16850|CP51A_HUMAN (+2)	57 kDa	0	0
Isoform 3 of Calponin-3 OS=Homo sapiens OX=9606 GN=CNN3	sp|Q15417-3|CNN3_HUMAN (+1)	31 kDa	0	0
Isoform 2 of Lactoylglutathione lyase OS=Homo sapiens OX=9606 GN=GLO1	sp|Q04760-2|LGUL_HUMAN (+2)	19 kDa	0	0
Erlin-1 OS=Homo sapiens OX=9606 GN=ERLIN1 PE=1 SV=1	sp|O75477|ERLN1_HUMAN (+2)	39 kDa	0	0
Isoform 2 of LIM and SH3 domain protein 1 OS=Homo sapiens OX=9606 GN=LASP1	sp|Q14847-2|LASP1_HUMAN (+1)	36 kDa	0	0
UMP-CMP kinase OS=Homo sapiens OX=9606 GN=CMPK PE=2 SV=1	tr|B2R6S5|B2R6S5_HUMAN (+2)	26 kDa	0	0
Prostaglandin E synthase 2 OS=Homo sapiens OX=9606 GN=PTGES2 PE=1 SV=1	sp|Q9H7Z7|PGES2_HUMAN	42 kDa	0	0
Isoform 5 of Radixin OS=Homo sapiens OX=9606 GN=RDX	sp|P35241-5|RADI_HUMAN (+1)	71 kDa	0	0
Isoform 2 of Pescadillo homolog OS=Homo sapiens OX=9606 GN=PES1	sp|O00541-2|PESC_HUMAN (+1)	67 kDa	0	0
cDNA FLJ75831, highly similar to Homo sapiens exportin, tRNA (nuclear export receptor for tRNAs) (XPOT), mRNA	tr|A8KA19|A8KA19_HUMAN	110 kDa	0	0

26S proteasome regulatory subunit 7 OS=Homo sapiens OX=9606 GN=PSMC2 PE=1 SV=3	sp|P35998|PRS7_HUMAN (+1)	49 kDa	0	0
Glutaredoxin-3 OS=Homo sapiens OX=9606 GN=GLRX3 PE=1 SV=2	sp|O76003|GLRX3_HUMAN (+1)	37 kDa	0	0
Isoform 2 of Protein turtle homolog B OS=Homo sapiens OX=9606 GN=IGSF9B	sp|Q9UPX0-2|TUTLB_HUMAN (+1)	157 kDa	0	0
WD40 repeat-containing protein SMU1 OS=Homo sapiens OX=9606 GN=SMU1 PE=1 SV=2	sp|Q2TAY7|SMU1_HUMAN (+1)	58 kDa	0	0
Melanoma-associated antigen B2 OS=Homo sapiens OX=9606 GN=MAGEB2 PE=1 SV=3	sp|O15479|MAGB2_HUMAN (+2)	35 kDa	0	0
39S ribosomal protein L1, mitochondrial OS=Homo sapiens OX=9606 GN=MRPL1 PE=1 SV=2	sp|Q9BYD6|RM01_HUMAN (+1)	37 kDa	0	0
Calponin 2 (Fragment) OS=Homo sapiens OX=9606 GN=CNN2 PE=2 SV=1	tr|B2RWM5|B2RWM5_HUMAN (+3)	34 kDa	0	0
Tryptophan--tRNA ligase, cytoplasmic OS=Homo sapiens OX=9606 GN=WARS PE=1 SV=2	sp|P23381|SYWC_HUMAN (+1)	53 kDa	0	0
Aminopeptidase B OS=Homo sapiens OX=9606 GN=RNPEP PE=1 SV=2	sp|Q9H4A4|AMPB_HUMAN (+1)	73 kDa	0	0
Ras-related protein Rab-8A OS=Homo sapiens OX=9606 GN=RAB8A PE=1 SV=1	sp|P61006|RAB8A_HUMAN	24 kDa	0	0
Isoform 2 of tRNA (cytosine(34)-C(5))-methyltransferase OS=Homo sapiens OX=9606 GN=NSUN2	sp|Q08J23-2|NSUN2_HUMAN (+1)	82 kDa	0	0
60S ribosomal protein L38 OS=Homo sapiens OX=9606 GN=RPL38 PE=1 SV=2	sp|P63173|RL38_HUMAN (+3)	8 kDa	0	0
Isoform A of Lethal(2) giant larvae protein homolog 2 OS=Homo sapiens OX=9606 GN=LLGL2	sp|Q6P1M3-2|L2GL2_HUMAN (+2)	113 kDa	0	0
Probable ATP-dependent RNA helicase DDX6 OS=Homo sapiens OX=9606 GN=DDX6 PE=1 SV=2	sp|P26196|DDX6_HUMAN	54 kDa	0	0
Ras-related protein Rab-35 OS=Homo sapiens OX=9606 GN=RAB35 PE=1 SV=1	sp|Q15286|RAB35_HUMAN	23 kDa	0	0
Myosin regulatory light chain 12B OS=Homo sapiens OX=9606 GN=MYL12B PE=1 SV=2	sp|O14950|ML12B_HUMAN (+3)	20 kDa	0	0
Isoform 2 of Transgelin-2 OS=Homo sapiens OX=9606 GN=TAGLN2	sp|P37802-2|TAGL2_HUMAN (+2)	24 kDa	0	0
Prolyl endopeptidase OS=Homo sapiens OX=9606 GN=PREP PE=1 SV=2	sp|P48147|PPCE_HUMAN (+2)	81 kDa	0	0
Ras-related protein Rab-2A OS=Homo sapiens OX=9606 GN=RAB2A PE=1 SV=1	sp|P61019|RAB2A_HUMAN (+1)	24 kDa	0	0
Isoform 2 of Ras-related protein Rab-11A OS=Homo sapiens OX=9606 GN=RAB11A	sp|P62491-2|RB11A_HUMAN (+6)	18 kDa	0	0
Isoform 4 of Dipeptidyl peptidase 3 OS=Homo sapiens OX=9606 GN=DPP3	sp|Q9NY33-4|DPP3_HUMAN (+7)	79 kDa	0	0
ADP-sugar pyrophosphatase OS=Homo sapiens OX=9606 GN=NUDT5 PE=1 SV=1	sp|Q9UKK9|NUDT5_HUMAN (+1)	24 kDa	0	0
Tyrosine-protein kinase receptor OS=Homo sapiens OX=9606 GN=TPM3-ROS1 PE=2 SV=1	tr|M1VPF4|M1VPF4_HUMAN	82 kDa	0	0
Thioredoxin OS=Homo sapiens OX=9606 GN=TXN PE=1 SV=3	sp|P10599|THIO_HUMAN (+1)	12 kDa	0	0
40S ribosomal protein S17 OS=Homo sapiens OX=9606 GN=RPS17 PE=1 SV=2	sp|P08708|RS17_HUMAN (+1)	16 kDa	0	0
60S ribosomal protein L34 OS=Homo sapiens OX=9606 GN=RPL34 PE=1 SV=3	sp|P49207|RL34_HUMAN (+1)	13 kDa	0	0
Isoform 2 of Annexin A11 OS=Homo sapiens OX=9606 GN=ANXA11	sp|P50995-2|ANX11_HUMAN (+2)	51 kDa	0	0
Isoform 2 of Long-chain-fatty-acid--CoA ligase 5 OS=Homo sapiens OX=9606 GN=ACSL5	sp|Q9ULC5-3|ACSL5_HUMAN (+3)	82 kDa	0	0
Aflatoxin B1 aldehyde reductase member 2 OS=Homo sapiens OX=9606 GN=AKR7A2 PE=1 SV=3	sp|O43488|ARK72_HUMAN (+2)	40 kDa	0	0
Macrophage migration inhibitory factor OS=Homo sapiens OX=9606 GN=MIF PE=1 SV=4	sp|P14174|MIF_HUMAN (+1)	12 kDa	0	0
Ras-related protein Rab-14 OS=Homo sapiens OX=9606 GN=RAB14 PE=1 SV=4	sp|P61106|RAB14_HUMAN (+1)	24 kDa	0	0
Transmembrane protein 33 OS=Homo sapiens OX=9606 GN=TMEM33 PE=1 SV=2	sp|P57088|TMM33_HUMAN (+3)	28 kDa	0	0
Isoform 2 of BRCA2 and CDKN1A-interacting protein OS=Homo sapiens OX=9606 GN=BCCIP	sp|Q9P287-2|BCCIP_HUMAN (+5)	36 kDa	0	0
Nuclear cap-binding protein subunit 1 OS=Homo sapiens OX=9606 GN=NCBP1 PE=1 SV=1	sp|Q09161|NCBP1_HUMAN (+1)	92 kDa	0	0
Tubulin-specific chaperone A OS=Homo sapiens OX=9606 GN=TBCA PE=1 SV=3	sp|O75347|TBCA_HUMAN (+4)	13 kDa	0	0
Complement component 1 Q subcomponent-binding protein, mitochondrial OS=Homo sapiens OX=9606 GN=C1(	sp|Q07021|C1QBP_HUMAN (+1)	31 kDa	0	0
Isoform 2 of Farnesyl pyrophosphate synthase OS=Homo sapiens OX=9606 GN=FDPS	sp|P14324-2|FPPS_HUMAN (+1)	41 kDa	0	0
40S ribosomal protein S25 OS=Homo sapiens OX=9606 GN=RPS25 PE=1 SV=1	sp|P62851|RS25_HUMAN	14 kDa	0	0
Proteasome subunit beta type-4 OS=Homo sapiens OX=9606 GN=PSMB4 PE=1 SV=4	sp|P28070|PSB4_HUMAN (+1)	29 kDa	0	0
Isoform 2 of Eukaryotic translation initiation factor 3 subunit D OS=Homo sapiens OX=9606 GN=EIF3D	sp|O15371-2|EIF3D_HUMAN (+2)	58 kDa	0	0
Nuclease-sensitive element-binding protein 1 OS=Homo sapiens OX=9606 GN=YBX1 PE=1 SV=3	sp|P67809|YBOX1_HUMAN (+2)	36 kDa	0	0
Protein SGT1 homolog OS=Homo sapiens OX=9606 GN=SUGT1 PE=1 SV=3	sp|Q9Y2Z0|SGT1_HUMAN	41 kDa	0	0
Isoform 2 of Septin-2 OS=Homo sapiens OX=9606 GN=SEPT2	sp|Q15019-2|SEPT2_HUMAN	45 kDa	0	0
Calmodulin-1 OS=Homo sapiens OX=9606 GN=CALM1 PE=1 SV=1	sp|P0DP23|CALM1_HUMAN (+7)	17 kDa	0	0
Ras-related protein Rab-3C OS=Homo sapiens OX=9606 GN=RAB3C PE=2 SV=1	sp|Q96E17|RAB3C_HUMAN	26 kDa	0	0
Elongation factor 1-beta OS=Homo sapiens OX=9606 GN=EEF1B2 PE=1 SV=3	sp|P24534|EF1B_HUMAN (+1)	25 kDa	0	0
RNA transcription, translation and transport factor protein OS=Homo sapiens OX=9606 GN=RTRAF PE=1 SV=1	sp|Q9Y224|RTRAF_HUMAN (+2)	28 kDa	0	0
Isoform 2 of Cysteine and histidine-rich domain-containing protein 1 OS=Homo sapiens OX=9606 GN=CHORDC1	sp|Q9UHD1-2|CHRD1_HUMAN (+3)	35 kDa	0	0
Isoform DFF35 of DNA fragmentation factor subunit alpha OS=Homo sapiens OX=9606 GN=DFFA	sp|O00273-2|DFFA_HUMAN (+3)	29 kDa	0	0
Isoform 2 of Gephyrin OS=Homo sapiens OX=9606 GN=GPHN	sp|Q9NQX3-2|GEPH_HUMAN (+4)	83 kDa	0	0
Isoform 2 of Procollagen-lysine,2-oxoglutarate 5-dioxygenase 1 OS=Homo sapiens OX=9606 GN=PLOD1	sp|Q02809-2|PLOD1_HUMAN (+4)	88 kDa	0	0
Eukaryotic translation initiation factor 2 subunit 2 OS=Homo sapiens OX=9606 GN=EIF2S2 PE=1 SV=2	sp|P20042|IF2B_HUMAN (+3)	38 kDa	0	0
Isoform 3 of Tumor protein D54 OS=Homo sapiens OX=9606 GN=TPD52L2	sp|O43399-3|TPD54_HUMAN (+1)	23 kDa	0	0
Isoform B of AP-2 complex subunit alpha-1 OS=Homo sapiens OX=9606 GN=AP2A1	sp|O95782-2|AP2A1_HUMAN (+1)	105 kDa	0	0
Casein kinase II subunit alpha' OS=Homo sapiens OX=9606 GN=CSNK2A2 PE=1 SV=1	sp|P19784|CSK22_HUMAN (+1)	41 kDa	0	0
Isoform Cytoplasmic of Fumarate hydratase, mitochondrial OS=Homo sapiens OX=9606 GN=FH	sp|P07954-2|FUMH_HUMAN (+2)	50 kDa	0	0
Isoform 2 of Importin-11 OS=Homo sapiens OX=9606 GN=IPO11	sp|Q9UI26-2|IPO11_HUMAN (+2)	117 kDa	0	0
Paladin OS=Homo sapiens OX=9606 GN=PALD1 PE=1 SV=3	sp|Q9ULE6|PALD_HUMAN (+1)	97 kDa	0	0
2-iminobutanoate/2-iminopropanoate deaminase OS=Homo sapiens OX=9606 GN=RIDA PE=1 SV=1	sp|P52758|RIDA_HUMAN (+1)	14 kDa	0	0
Mitochondrial proton/calcium exchanger protein OS=Homo sapiens OX=9606 GN=LETM1 PE=1 SV=1	sp|O95202|LETM1_HUMAN	83 kDa	0	0
Very-long-chain enoyl-CoA reductase OS=Homo sapiens OX=9606 GN=TECR PE=1 SV=1	tr|M0R2N5|M0R2N5_HUMAN	40 kDa	0	0
Coiled-coil domain-containing protein 124 OS=Homo sapiens OX=9606 GN=CCDC124 PE=1 SV=1	sp|Q96CT7|CC124_HUMAN (+1)	26 kDa	0	0
Isoform 2 of Replication factor C subunit 2 OS=Homo sapiens OX=9606 GN=RFC2	sp|P35250-2|RFC2_HUMAN (+3)	35 kDa	0	0
Nucleolar protein 58 OS=Homo sapiens OX=9606 GN=NOP58 PE=1 SV=1	sp|Q9Y2X3|NOP58_HUMAN	60 kDa	0	0
Nucleolar MIF4G domain-containing protein 1 OS=Homo sapiens OX=9606 GN=NOM1 PE=1 SV=1	sp|Q5C9Z4|NOM1_HUMAN	96 kDa	0	0
Rho GTPase-activating protein 1 OS=Homo sapiens OX=9606 GN=ARHGAP1 PE=1 SV=1	sp|Q07960|RHG01_HUMAN (+3)	50 kDa	0	0
WD repeat-containing protein 82 OS=Homo sapiens OX=9606 GN=WDR82 PE=1 SV=1	sp|Q6UXN9|WDR82_HUMAN (+1)	35 kDa	0	0
Hypoxanthine-guanine phosphoribosyltransferase OS=Homo sapiens OX=9606 GN=HPRT1 PE=1 SV=2	sp|P00492|HPRT_HUMAN (+2)	25 kDa	0	0
Carbonic anhydrase 2 OS=Homo sapiens OX=9606 GN=CA2 PE=1 SV=2	sp|P00918|CAH2_HUMAN (+2)	29 kDa	0	0
Isoform 2 of Eukaryotic translation initiation factor 4E OS=Homo sapiens OX=9606 GN=EIF4E	sp|P06730-2|IF4E_HUMAN (+1)	29 kDa	0	0
Isoform 2 of Cleavage and polyadenylation specificity factor subunit 6 OS=Homo sapiens OX=9606 GN=CPSF6	sp|Q16630-2|CPSF6_HUMAN (+3)	63 kDa	0	0
Isoform Short of Ubiquitin carboxyl-terminal hydrolase 5 OS=Homo sapiens OX=9606 GN=USP5	sp|P45974-2|UBP5_HUMAN (+2)	93 kDa	0	0
Superoxide dismutase [Cu-Zn] OS=Homo sapiens OX=9606 GN=SOD1 PE=1 SV=2	sp|P00441|SODC_HUMAN (+1)	16 kDa	0	0
Isoform B of Ras-related C3 botulinum toxin substrate 1 OS=Homo sapiens OX=9606 GN=RAC1	sp|P63000-2|RAC1_HUMAN (+4)	23 kDa	0	0
60S ribosomal protein L32 OS=Homo sapiens OX=9606 GN=RPL32 PE=1 SV=2	sp|P62910|RL32_HUMAN (+3)	16 kDa	0	0
Isoform 2 of Alpha-aminoadipic semialdehyde dehydrogenase OS=Homo sapiens OX=9606 GN=ALDH7A1	sp|P49419-2|AL7A1_HUMAN (+6)	55 kDa	0	0
Isoform 2 of 14-3-3 protein sigma OS=Homo sapiens OX=9606 GN=SFN	sp|P31947-2|1433S_HUMAN (+1)	24 kDa	0	0
28S ribosomal protein S22, mitochondrial OS=Homo sapiens OX=9606 GN=MRPS22 PE=1 SV=1	sp|P82650|RT22_HUMAN	41 kDa	0	0
Nucleoredoxin OS=Homo sapiens OX=9606 GN=NXN PE=1 SV=2	sp|Q6DKJ4|NXN_HUMAN	48 kDa	0	0
Isoform 3 of Cofilin-2 OS=Homo sapiens OX=9606 GN=CFL2	sp|Q9Y281-3|COF2_HUMAN (+2)	17 kDa	0	0
Isoform 4 of Prostaglandin E synthase 3 OS=Homo sapiens OX=9606 GN=PTGES3	sp|Q15185-4|TEBP_HUMAN (+4)	16 kDa	0	0
Isoform 3 of Basic leucine zipper and W2 domain-containing protein 1 OS=Homo sapiens OX=9606 GN=BZW1	sp|Q7L1Q6-3|BZW1_HUMAN (+4)	51 kDa	0	0
Isoform 2 of Tyrosine-protein phosphatase non-receptor type 11 OS=Homo sapiens OX=9606 GN=PTPN11	sp|Q06124-2|PTN11_HUMAN (+1)	68 kDa	0	0
Chromobox protein homolog 3 OS=Homo sapiens OX=9606 GN=CBX3 PE=1 SV=4	sp|Q13185|CBX3_HUMAN (+1)	21 kDa	0	0
Isoform 2 of Pyridoxal kinase OS=Homo sapiens OX=9606 GN=PDXK	sp|O00764-2|PDXK_HUMAN (+4)	32 kDa	0	0
Nucleoplasmin-3 OS=Homo sapiens OX=9606 GN=NPM3 PE=1 SV=3	sp|O75607|NPM3_HUMAN	19 kDa	0	0
Isoform 2 of ER lumen protein-retaining receptor 1 OS=Homo sapiens OX=9606 GN=KDELR1	sp|P24390-2|ERD21_HUMAN (+1)	17 kDa	0	0
Prefoldin subunit 5 OS=Homo sapiens OX=9606 GN=PFDN5 PE=1 SV=2	sp|Q99471|PFD5_HUMAN (+1)	17 kDa	0	0

m-AAA protease-interacting protein 1, mitochondrial OS=Homo sapiens OX=9606 GN=MAIP1 PE=1 SV=1	sp|Q8WWC4|MAIP1_HUMAN (+1)	33 kDa	0	0
Single-stranded DNA-binding protein, mitochondrial OS=Homo sapiens OX=9606 GN=SSBP1 PE=1 SV=1	sp|Q04837|SSBP_HUMAN (+2)	17 kDa	0	0
Na(+)/H(+) exchange regulatory cofactor NHE-RF1 OS=Homo sapiens OX=9606 GN=SLC9A3R1 PE=1 SV=4	sp|O14745|NHRF1_HUMAN	39 kDa	0	0
Cytochrome c OS=Homo sapiens OX=9606 GN=CYCS PE=1 SV=2	sp|P99999|CYC_HUMAN (+1)	12 kDa	0	0
Isoform 2 of DAZ-associated protein 1 OS=Homo sapiens OX=9606 GN=DAZAP1	sp|Q96EP5-2|DAZP1_HUMAN (+5)	41 kDa	0	0
Isoform 2 of Ubiquitin conjugation factor E4 A OS=Homo sapiens OX=9606 GN=UBE4A	sp|Q14139-2|UBE4A_HUMAN (+2)	124 kDa	0	0
Aldose reductase OS=Homo sapiens OX=9606 GN=AKR1B1 PE=1 SV=3	sp|P15121|ALDR_HUMAN (+1)	36 kDa	0	0
Isoform 2 of Superoxide dismutase [Mn], mitochondrial OS=Homo sapiens OX=9606 GN=SOD2	sp|P04179-2|SODM_HUMAN (+4)	21 kDa	0	0
Isoform 3 of Transcriptional repressor p66-alpha OS=Homo sapiens OX=9606 GN=GATAD2A	sp|Q86YP4-3|P66A_HUMAN (+3)	68 kDa	0	0
Transcription elongation factor A protein 1 OS=Homo sapiens OX=9606 GN=TCEA1 PE=1 SV=2	sp|P23193|TCEA1_HUMAN (+2)	34 kDa	0	0
Flap endonuclease 1 OS=Homo sapiens OX=9606 GN=FEN1 PE=1 SV=1	sp|P39748|FEN1_HUMAN (+1)	43 kDa	0	0
Isoform 2 of Podocalyxin OS=Homo sapiens OX=9606 GN=PODXL	sp|O00592-2|PODXL_HUMAN (+3)	55 kDa	0	0
60 kDa chaperonin (Fragment) OS=Homo sapiens OX=9606 GN=HSPD1 PE=4 SV=1	tr|B9VP24|B9VP24_HUMAN	20 kDa	0	0
Isoform 2 of Extended synaptotagmin-2 OS=Homo sapiens OX=9606 GN=ESYT2	sp|A0FGR8-2|ESYT2_HUMAN (+1)	99 kDa	0	0
Cation-dependent mannose-6-phosphate receptor OS=Homo sapiens OX=9606 GN=M6PR PE=1 SV=1	sp|P20645|MPRD_HUMAN (+1)	31 kDa	0	0
DNA-(apurinic or apyrimidinic site) lyase OS=Homo sapiens OX=9606 GN=APEX1 PE=1 SV=2	sp|P27695|APEX1_HUMAN (+3)	36 kDa	0	0
Flavin reductase (NADPH) OS=Homo sapiens OX=9606 GN=BLVRB PE=1 SV=3	sp|P30043|BLVRB_HUMAN (+4)	22 kDa	0	0
Isoform 2 of Leukocyte elastase inhibitor OS=Homo sapiens OX=9606 GN=SERPINB1	sp|P30740-2|ILEU_HUMAN (+3)	26 kDa	0	0
Biliverdin reductase A OS=Homo sapiens OX=9606 GN=BLVRA PE=1 SV=2	sp|P53004|BIEA_HUMAN (+1)	33 kDa	0	0
Isoform 2 of BH3-interacting domain death agonist OS=Homo sapiens OX=9606 GN=BID	sp|P55957-2|BID_HUMAN (+4)	27 kDa	0	0
60S ribosomal protein L27 OS=Homo sapiens OX=9606 GN=RPL27 PE=1 SV=2	sp|P61353|RL27_HUMAN (+4)	16 kDa	0	0
40S ribosomal protein S28 OS=Homo sapiens OX=9606 GN=RPS28 PE=1 SV=1	sp|P62857|RS28_HUMAN	8 kDa	0	0
Enhancer of rudimentary homolog OS=Homo sapiens OX=9606 GN=ERH PE=1 SV=1	sp|P84090|ERH_HUMAN (+1)	12 kDa	0	0
Guanidinoacetate N-methyltransferase OS=Homo sapiens OX=9606 GN=GAMT PE=1 SV=1	sp|Q14353|GAMT_HUMAN (+2)	26 kDa	0	0
Signal peptidase complex subunit 2 OS=Homo sapiens OX=9606 GN=SPCS2 PE=1 SV=3	sp|Q15005|SPCS2_HUMAN (+4)	25 kDa	0	0
Glycerol-3-phosphate dehydrogenase 1-like protein OS=Homo sapiens OX=9606 GN=GPD1L PE=1 SV=1	sp|Q8N335|GPD1L_HUMAN	38 kDa	0	0
Gamma-glutamyl hydrolase OS=Homo sapiens OX=9606 GN=GGH PE=1 SV=2	sp|Q92820|GGH_HUMAN (+1)	36 kDa	0	0
Isoform 3 of Acidic leucine-rich nuclear phosphoprotein 32 family member E OS=Homo sapiens OX=9606 GN=AN	sp|Q9BTT0-3|AN32E_HUMAN (+3)	25 kDa	0	0
Isoform 2 of Ubiquilin-1 OS=Homo sapiens OX=9606 GN=UBQLN1	sp|Q9UMX0-2|UBQL1_HUMAN (+1)	59 kDa	0	0
tRNA-splicing ligase RtcB homolog OS=Homo sapiens OX=9606 GN=RTCB PE=1 SV=1	sp|Q9Y3I0|RTCB_HUMAN (+1)	55 kDa	0	0
Heat shock 70 kDa protein 14 OS=Homo sapiens OX=9606 GN=HSPA14 PE=1 SV=1	sp|Q0VDF9|HSP7E_HUMAN	55 kDa	0	0
Histone H2AX OS=Homo sapiens OX=9606 GN=H2AFX PE=1 SV=2	sp|P16104|H2AX_HUMAN	15 kDa	0	0
Eukaryotic translation initiation factor 1 OS=Homo sapiens OX=9606 GN=EIF1 PE=1 SV=1	sp|P41567|EIF1_HUMAN (+2)	13 kDa	0	0
ATP synthase subunit e, mitochondrial OS=Homo sapiens OX=9606 GN=ATP5ME PE=1 SV=2	sp|P56385|ATP5I_HUMAN	8 kDa	0	0
Pyridoxal phosphate homeostasis protein OS=Homo sapiens OX=9606 GN=PLPBP PE=1 SV=1	sp|O94903|PLPHP_HUMAN (+2)	30 kDa	0	0
Isoform 2 of Replication protein A 32 kDa subunit OS=Homo sapiens OX=9606 GN=RPA2	sp|P15927-2|RFA2_HUMAN (+4)	30 kDa	0	0
Isoform 2 of Serine/threonine-protein phosphatase 4 regulatory subunit 1 OS=Homo sapiens OX=9606 GN=PPP4I	sp|Q8TF05-2|PP4R1_HUMAN (+4)	105 kDa	0	0
Glyoxylate reductase/hydroxypyruvate reductase OS=Homo sapiens OX=9606 GN=GRHPR PE=1 SV=1	sp|Q9UBQ7|GRHPR_HUMAN (+3)	36 kDa	0	0
Isoform 3 of Inactive C-alpha-formylglycine-generating enzyme 2 OS=Homo sapiens OX=9606 GN=SUMF2	sp|Q8NBJ7-3|SUMF2_HUMAN (+9)	37 kDa	0	0
Fatty acid-binding protein 5 OS=Homo sapiens OX=9606 GN=FABP5 PE=1 SV=3	sp|Q01469|FABP5_HUMAN (+1)	15 kDa	0	0
Isoform 2 of Methionine adenosyltransferase 2 subunit beta OS=Homo sapiens OX=9606 GN=MAT2B	sp|Q9NZL9-2|MAT2B_HUMAN (+5)	36 kDa	0	0
U3 small nucleolar ribonucleoprotein protein IMP3 OS=Homo sapiens OX=9606 GN=IMP3 PE=1 SV=1	sp|Q9NV31|IMP3_HUMAN	22 kDa	0	0
Exosome complex component RRP41 (Fragment) OS=Homo sapiens OX=9606 GN=EXOSC4 PE=1 SV=8	tr|E9PI41|E9PI41_HUMAN	28 kDa	0	0
Peptidyl-prolyl cis-trans isomerase D OS=Homo sapiens OX=9606 GN=PPID PE=1 SV=3	sp|Q08752|PPID_HUMAN (+3)	41 kDa	0	0
Isoform 2 of Elongin-C OS=Homo sapiens OX=9606 GN=ELOC	sp|Q15369-2|ELOC_HUMAN (+3)	11 kDa	0	0
Isoform 3 of Exosome complex component RRP4 OS=Homo sapiens OX=9606 GN=EXOSC2	sp|Q13868-3|EXOS2_HUMAN (+1)	29 kDa	0	0
Isoform 2 of NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 13 OS=Homo sapiens OX=9606 GN=	sp|Q9P0J0-2|NDUAD_HUMAN (+1)	25 kDa	0	0
60S ribosomal protein L36 OS=Homo sapiens OX=9606 GN=RPL36 PE=1 SV=3	sp|Q9Y3U8|RL36_HUMAN	12 kDa	0	0
Isoform 3 of CDP-diacylglycerol--inositol 3-phosphatidyltransferase OS=Homo sapiens OX=9606 GN=CDIPT	sp|O14735-3|CDIPT_HUMAN (+5)	19 kDa	0	0
tRNA-splicing endonuclease subunit Sen34 OS=Homo sapiens OX=9606 GN=TSEN34 PE=1 SV=1	sp|Q9BSV6|SEN34_HUMAN (+3)	34 kDa	0	0
Isoform 2 of Glutathione S-transferase kappa 1 OS=Homo sapiens OX=9606 GN=GSTK1	sp|Q9Y2Q3-2|GSTK1_HUMAN (+5)	32 kDa	0	0
Splicing factor 3B subunit 2 OS=Homo sapiens OX=9606 GN=SF3B2 PE=1 SV=2	sp|Q13435|SF3B2_HUMAN	100 kDa	0	0
3-hydroxyisobutyryl-CoA hydrolase, mitochondrial OS=Homo sapiens OX=9606 GN=HIBCH PE=1 SV=2	sp|Q6NVY1|HIBCH_HUMAN (+1)	43 kDa	0	0
Isoform 2 of Ras-related protein Rab-5A OS=Homo sapiens OX=9606 GN=RAB5A	sp|P20339-2|RAB5A_HUMAN (+2)	22 kDa	0	0
Dynein light chain 2, cytoplasmic OS=Homo sapiens OX=9606 GN=DYNLL2 PE=1 SV=1	sp|Q96FJ2|DYL2_HUMAN	10 kDa	0	0
Isoform 2 of Vacuolar protein sorting-associated protein 26A OS=Homo sapiens OX=9606 GN=VPS26A	sp|O75436-2|VP26A_HUMAN (+1)	29 kDa	0	0
AP-3 complex subunit sigma-1 OS=Homo sapiens OX=9606 GN=AP3S1 PE=1 SV=1	sp|Q92572|AP3S1_HUMAN (+1)	22 kDa	0	0
Isoform 2 of Exportin-6 OS=Homo sapiens OX=9606 GN=XPO6	sp|Q96QU8-2|XPO6_HUMAN (+2)	127 kDa	0	0
Isoform 2 of Alpha-actinin-1 OS=Homo sapiens OX=9606 GN=ACTN1	sp|P12814-2|ACTN1_HUMAN (+2)	103 kDa	0	0
Prelamin-A/C OS=Homo sapiens OX=9606 GN=LMNA PE=1 SV=1	sp|P02545|LMNA_HUMAN	74 kDa	12	1
Hornerin OS=Homo sapiens OX=9606 GN=HRNR PE=1 SV=2	sp|Q86YZ3|HORN_HUMAN	282 kDa	7	1
Peroxiredoxin-1 OS=Homo sapiens OX=9606 GN=PRDX1 PE=1 SV=1	sp|Q06830|PRDX1_HUMAN (+2)	22 kDa	4	1
Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochon	sp|P36957|ODO2_HUMAN	49 kDa	4	1
Tubulin alpha-1B chain OS=Homo sapiens OX=9606 GN=TUBA1B PE=1 SV=1	sp|P68363|TBA1B_HUMAN	50 kDa	3	1
T-complex protein 1 subunit gamma (Fragment) OS=Homo sapiens OX=9606 PE=2 SV=1	tr|Q59H77|Q59H77_HUMAN	64 kDa	3	1
Tubulin beta-4B chain OS=Homo sapiens OX=9606 GN=TUBB4B PE=1 SV=1	sp|P68371|TBB4B_HUMAN	50 kDa	3	1
Isoform 2 of Heterogeneous nuclear ribonucleoprotein M OS=Homo sapiens OX=9606 GN=HNRNPM	sp|P52272-2|HNRPM_HUMAN	74 kDa	2	1
Eukaryotic translation initiation factor 2 subunit 1 OS=Homo sapiens OX=9606 GN=EIF2S1 PE=1 SV=3	sp|P05198|IF2A_HUMAN (+1)	36 kDa	2	1
Keratin, type I cytoskeletal 17 OS=Homo sapiens OX=9606 GN=KRT17 PE=1 SV=2	sp|Q04695|K1C17_HUMAN	48 kDa	2	1
Cofilin-1 OS=Homo sapiens OX=9606 GN=CFL1 PE=1 SV=3	sp|P23528|COF1_HUMAN (+3)	19 kDa	1	1
Isoform A2 of Heterogeneous nuclear ribonucleoproteins A2/B1 OS=Homo sapiens OX=9606 GN=HNRNPA2B1	sp|P22626-2|ROA2_HUMAN (+1)	36 kDa	1	1
Histone H2A.J OS=Homo sapiens OX=9606 GN=H2AFJ PE=1 SV=1	sp|Q9BTM1|H2AJ_HUMAN	14 kDa	1	1
Nuclear pore complex protein Nup160 OS=Homo sapiens OX=9606 GN=NUP160 PE=1 SV=3	sp|Q12769|NU160_HUMAN (+2)	162 kDa	1	1
40S ribosomal protein S2 OS=Homo sapiens OX=9606 GN=RPS2 PE=1 SV=2	sp|P15880|RS2_HUMAN (+1)	31 kDa	1	1
Isoform 2 of E3 ubiquitin-protein ligase TRIP12 OS=Homo sapiens OX=9606 GN=TRIP12	sp|Q14669-2|TRIPC_HUMAN (+1)	224 kDa	0	1
DNA-dependent protein kinase catalytic subunit OS=Homo sapiens OX=9606 GN=PRKDC PE=1 SV=3	sp|P78527|PRKDC_HUMAN	469 kDa	0	1
Adenylyl cyclase-associated protein OS=Homo sapiens OX=9606 PE=2 SV=1	tr|B4DI38|B4DI38_HUMAN (+1)	49 kDa	0	1
60S ribosomal protein L21 OS=Homo sapiens OX=9606 GN=RPL21 PE=1 SV=2	sp|P46778|RL21_HUMAN	19 kDa	0	1
DNA topoisomerase 1 OS=Homo sapiens OX=9606 GN=TOP1 PE=1 SV=2	sp|P11387|TOP1_HUMAN	91 kDa	0	1
Isoform 2 of Zinc finger protein 711 OS=Homo sapiens OX=9606 GN=ZNF711	sp|Q9Y462-2|ZN711_HUMAN (+4)	89 kDa	0	1
HEAT repeat-containing protein 1 OS=Homo sapiens OX=9606 GN=HEATR1 PE=1 SV=3	sp|Q9H583|HEAT1_HUMAN (+1)	242 kDa	0	1
Isoform 2 of Cell cycle and apoptosis regulator protein 2 OS=Homo sapiens OX=9606 GN=CCAR2	sp|Q8N163-2|CCAR2_HUMAN	103 kDa	0	1
60S ribosomal protein L18 (Fragment) OS=Homo sapiens OX=9606 GN=RPL18 PE=1 SV=1	tr|H0YHA7|H0YHA7_HUMAN	19 kDa	0	1
Transcription elongation factor SPT6 OS=Homo sapiens OX=9606 GN=SUPT6H PE=1 SV=2	sp|Q7KZ85|SPT6H_HUMAN	199 kDa	0	1
Cation-independent mannose-6-phosphate receptor OS=Homo sapiens OX=9606 GN=IGF2R PE=1 SV=3	sp|P11717|MPRI_HUMAN (+1)	274 kDa	0	1
Isoform 2 of Heterogeneous nuclear ribonucleoprotein U OS=Homo sapiens OX=9606 GN=HNRNPU	sp|Q00839-2|HNRPU_HUMAN (+1)	89 kDa	0	1
Isoform Long of Glucose-6-phosphate 1-dehydrogenase OS=Homo sapiens OX=9606 GN=G6PD	sp|P11413-2|G6PD_HUMAN	64 kDa	0	1
Isoform 2 of Serine/arginine repetitive matrix protein 1 OS=Homo sapiens OX=9606 GN=SRRM1	sp|Q8IYB3-2|SRRM1_HUMAN	102 kDa	0	1

Myosin-2 OS=Homo sapiens OX=9606 GN=MYH2 PE=1 SV=1	sp|Q9UKX2|MYH2_HUMAN	223 kDa	0	1
Actin-related protein 2/3 complex subunit 2 OS=Homo sapiens OX=9606 GN=ARPC2 PE=1 SV=1	sp|O15144|ARPC2_HUMAN (+1)	34 kDa	0	1
Isoform 4 of Double-stranded RNA-specific adenosine deaminase OS=Homo sapiens OX=9606 GN=ADAR	sp|P55265-4|DSRAD_HUMAN	141 kDa	0	1
Histone H1.2 OS=Homo sapiens OX=9606 GN=HIST1H1C PE=1 SV=2	sp|P16403|H12_HUMAN	21 kDa	0	1
Heat shock 70 kDa protein 1B OS=Homo sapiens OX=9606 GN=HSPA1B PE=1 SV=1	sp|P0DMV9|HS71B_HUMAN	70 kDa	7	2
Annexin A2 OS=Homo sapiens OX=9606 GN=ANXA2 PE=1 SV=2	sp|P07355|ANXA2_HUMAN	39 kDa	6	2
Isoform 2 of Filamin-C OS=Homo sapiens OX=9606 GN=FLNC	sp|Q14315-2|FLNC_HUMAN (+1)	287 kDa	6	2
Isoform 2 of Heat shock protein HSP 90-alpha OS=Homo sapiens OX=9606 GN=HSP90AA1	sp|P07900-2|HS90A_HUMAN (+2)	98 kDa	5	2
Epididymis secretory sperm binding protein OS=Homo sapiens OX=9606 PE=2 SV=1	tr|A0A1U9X7W7|A0A1U9X7W7_HUMAN	70 kDa	4	2
Prohibitin-2 OS=Homo sapiens OX=9606 GN=PHB2 PE=1 SV=2	sp|Q99623|PHB2_HUMAN	33 kDa	4	2
Neuroblast differentiation-associated protein AHNAK OS=Homo sapiens OX=9606 GN=AHNAK PE=1 SV=2	sp|Q09666|AHNK_HUMAN	629 kDa	3	2
Histone H4 OS=Homo sapiens OX=9606 GN=HIST1H4A PE=1 SV=2	sp|P62805|H4_HUMAN (+2)	11 kDa	3	2
Isoform 2 of Protein-L-isoaspartate(D-aspartate) O-methyltransferase OS=Homo sapiens OX=9606 GN=PCMT1	sp|P22061-2|PIMT_HUMAN (+4)	25 kDa	3	2
T-complex protein 1 subunit alpha OS=Homo sapiens OX=9606 GN=TCP1 PE=1 SV=1	sp|P17987|TCPA_HUMAN	60 kDa	3	2
Alpha-enolase OS=Homo sapiens OX=9606 GN=ENO1 PE=1 SV=2	sp|P06733|ENOA_HUMAN (+1)	47 kDa	3	2
Keratin, type II cytoskeletal 7 OS=Homo sapiens OX=9606 GN=KRT7 PE=1 SV=5	sp|P08729|K2C7_HUMAN	51 kDa	2	2
60S ribosomal protein L13 OS=Homo sapiens OX=9606 GN=RPL13 PE=1 SV=4	sp|P26373|RL13_HUMAN (+2)	24 kDa	1	2
Glyceraldehyde-3-phosphate dehydrogenase OS=Homo sapiens OX=9606 GN=GAPDH PE=1 SV=3	sp|P04406|G3P_HUMAN (+1)	36 kDa	1	2
Elongation factor 1-gamma OS=Homo sapiens OX=9606 GN=EEF1G PE=1 SV=3	sp|P26641|EF1G_HUMAN (+1)	50 kDa	1	2
Importin subunit alpha-1 OS=Homo sapiens OX=9606 GN=KPNA2 PE=1 SV=1	sp|P52292|IMA1_HUMAN (+1)	58 kDa	1	2
Isoform B of Phosphate carrier protein, mitochondrial OS=Homo sapiens OX=9606 GN=SLC25A3	sp|Q00325-2|MPCP_HUMAN (+5)	40 kDa	1	2
Alternative protein ACRC OS=Homo sapiens OX=9606 GN=ACRC PE=4 SV=1	tr|L8E9I9|L8E9I9_HUMAN	36 kDa	1	2
Isoform 2 of Adhesion G protein-coupled receptor E1 OS=Homo sapiens OX=9606 GN=ADGRE1	sp|Q14246-2|AGRE1_HUMAN (+6)	90 kDa	0	2
Isoform Beta of Heat shock protein 105 kDa OS=Homo sapiens OX=9606 GN=HSPH1	sp|Q92598-2|HS105_HUMAN (+3)	92 kDa	0	2
F-actin-capping protein subunit alpha-1 OS=Homo sapiens OX=9606 GN=CAPZA1 PE=1 SV=3	sp|P52907|CAZA1_HUMAN	33 kDa	0	2
60S ribosomal protein L4 OS=Homo sapiens OX=9606 GN=RPL4 PE=1 SV=5	sp|P36578|RL4_HUMAN	48 kDa	0	2
Rabenosyn-5 OS=Homo sapiens OX=9606 GN=RBSN PE=1 SV=2	sp|Q9H1K0|RBNS5_HUMAN (+2)	89 kDa	0	2
Protein NYNRIN OS=Homo sapiens OX=9606 GN=NYNRIN PE=2 SV=3	sp|Q9P2P1|NYNRI_HUMAN	208 kDa	0	2
Keratin, type I cytoskeletal 18 OS=Homo sapiens OX=9606 GN=KRT18 PE=1 SV=2	sp|P05783|K1C18_HUMAN (+2)	48 kDa	10	3
Isoform Smooth muscle of Myosin light polypeptide 6 OS=Homo sapiens OX=9606 GN=MYL6	sp|P60660-2|MYL6_HUMAN (+5)	17 kDa	5	3
cDNA FLJ60424, highly similar to Junction plakoglobin OS=Homo sapiens OX=9606 PE=2 SV=1	tr|B4DE59|B4DE59_HUMAN	63 kDa	3	3
Keratin, type II cytoskeletal 6B OS=Homo sapiens OX=9606 GN=KRT6B PE=1 SV=5	sp|P04259|K2C6B_HUMAN	60 kDa	3	3
ERO1-like protein alpha OS=Homo sapiens OX=9606 GN=ERO1A PE=1 SV=2	sp|Q96HE7|ERO1A_HUMAN	54 kDa	0	3
Elongation factor 1-alpha 1 OS=Homo sapiens OX=9606 GN=EEF1A1 PE=1 SV=1	sp|P68104|EF1A1_HUMAN (+3)	50 kDa	8	4
Tubulin beta chain OS=Homo sapiens OX=9606 GN=TUBB PE=1 SV=2	sp|P07437|TBB5_HUMAN	50 kDa	7	4
60S ribosomal protein L7 OS=Homo sapiens OX=9606 GN=RPL7 PE=1 SV=1	sp|P18124|RL7_HUMAN (+1)	29 kDa	5	4
40S ribosomal protein S3 OS=Homo sapiens OX=9606 GN=RPS3 PE=1 SV=2	sp|P23396|RS3_HUMAN	27 kDa	4	4
Isoform 2 of Clathrin heavy chain 1 OS=Homo sapiens OX=9606 GN=CLTC	sp|Q00610-2|CLH1_HUMAN (+2)	188 kDa	2	4
Alpha-actinin-4 OS=Homo sapiens OX=9606 GN=ACTN4 PE=1 SV=2	sp|O43707|ACTN4_HUMAN	105 kDa	2	4
Keratin, type I cytoskeletal 16 OS=Homo sapiens OX=9606 GN=KRT16 PE=1 SV=4	sp|P08779|K1C16_HUMAN	51 kDa	16	5
Keratin, type II cytoskeletal 6A OS=Homo sapiens OX=9606 GN=KRT6A PE=1 SV=3	sp|P02538|K2C6A_HUMAN	60 kDa	6	5
Eukaryotic initiation factor 4A-I OS=Homo sapiens OX=9606 GN=EIF4A1 PE=1 SV=1	sp|P60842|IF4A1_HUMAN	46 kDa	4	5
Isoform 2 of F-actin-capping protein subunit beta OS=Homo sapiens OX=9606 GN=CAPZB	sp|P47756-2|CAPZB_HUMAN (+5)	31 kDa	3	5
Fatty acid synthase OS=Homo sapiens OX=9606 GN=FASN PE=1 SV=3	sp|P49327|FAS_HUMAN	273 kDa	1	5
Isoform 2 of Polypyrimidine tract-binding protein 1 OS=Homo sapiens OX=9606 GN=PTBP1	sp|P26599-2|PTBP1_HUMAN (+2)	59 kDa	0	5
Isoform 2 of Poly(rC)-binding protein 2 OS=Homo sapiens OX=9606 GN=PCBP2	sp|Q15366-2|PCBP2_HUMAN (+7)	39 kDa	0	5
L-lactate dehydrogenase A chain OS=Homo sapiens OX=9606 GN=LDHA PE=1 SV=2	sp|P00338|LDHA_HUMAN (+1)	37 kDa	4	6
Keratin, type II cytoskeletal 8 OS=Homo sapiens OX=9606 GN=KRT8 PE=1 SV=7	sp|P05787|K2C8_HUMAN	54 kDa	17	7
Isoform 2 of Spliceosome RNA helicase DDX39B OS=Homo sapiens OX=9606 GN=DDX39B	sp|Q13838-2|DX39B_HUMAN (+1)	51 kDa	1	7
Desmoplakin OS=Homo sapiens OX=9606 GN=DSP PE=1 SV=3	sp|P15924|DESP_HUMAN	332 kDa	0	7
Uncharacterized protein DKFZp686I15196 OS=Homo sapiens OX=9606 GN=DKFZp686I15196 PE=2 SV=1	tr|Q6N096|Q6N096_HUMAN	51 kDa	0	7
Heat shock protein HSP 90-beta OS=Homo sapiens OX=9606 GN=HSP90AB1 PE=1 SV=4	sp|P08238|HS90B_HUMAN	83 kDa	17	8
Heat shock cognate 71 kDa protein OS=Homo sapiens OX=9606 GN=HSPA8 PE=1 SV=1	sp|P11142|HSP7C_HUMAN	71 kDa	27	9
Keratin, type I cytoskeletal 19 OS=Homo sapiens OX=9606 GN=KRT19 PE=1 SV=4	sp|P08727|K1C19_HUMAN	44 kDa	13	9
Keratin, type II cytoskeletal 6C OS=Homo sapiens OX=9606 GN=KRT6C PE=1 SV=3	sp|P48668|K2C6C_HUMAN	60 kDa	24	11
Serum albumin OS=Homo sapiens OX=9606 GN=ALB PE=1 SV=2	sp|P02768|ALBU_HUMAN (+2)	69 kDa	17	13
Endoplasmic reticulum chaperone BiP OS=Homo sapiens OX=9606 GN=HSPA5 PE=1 SV=2	sp|P11021|BIP_HUMAN	72 kDa	33	16
Stress-70 protein, mitochondrial OS=Homo sapiens OX=9606 GN=HSPA9 PE=1 SV=2	sp|P38646|GRP75_HUMAN (+1)	74 kDa	31	21
Keratin, type I cytoskeletal 14 OS=Homo sapiens OX=9606 GN=KRT14 PE=1 SV=4	sp|P02533|K1C14_HUMAN	52 kDa	41	25
Isoform 2 of Filamin-A OS=Homo sapiens OX=9606 GN=FLNA	sp|P21333-2|FLNA_HUMAN (+1)	280 kDa	19	25
Actin, cytoplasmic 2 OS=Homo sapiens OX=9606 GN=ACTG1 PE=1 SV=1	sp|P63261|ACTG_HUMAN	42 kDa	44	34
Myosin-9 OS=Homo sapiens OX=9606 GN=MYH9 PE=1 SV=4	sp|P35579|MYH9_HUMAN	227 kDa	39	37
Keratin, type II cytoskeletal 5 OS=Homo sapiens OX=9606 GN=KRT5 PE=1 SV=3	sp|P13647|K2C5_HUMAN	62 kDa	75	39
Keratin, type II cytoskeletal 2 epidermal OS=Homo sapiens OX=9606 GN=KRT2 PE=1 SV=2	sp|P35908|K22E_HUMAN	65 kDa	75	43
Keratin, type I cytoskeletal 9 OS=Homo sapiens OX=9606 GN=KRT9 PE=1 SV=3	sp|P35527|K1C9_HUMAN	62 kDa	61	46
Keratin, type I cytoskeletal 10 OS=Homo sapiens OX=9606 GN=KRT10 PE=1 SV=6	sp|P13645|K1C10_HUMAN	59 kDa	101	54
Keratin, type II cytoskeletal 1 OS=Homo sapiens OX=9606 GN=KRT1 PE=1 SV=6	sp|P04264|K2C1_HUMAN	66 kDa	130	107