

Supplementary Materials for

Proximity proteomics identifies septins and PAK2 as decisive regulators of actomyosin mediated expulsion of von Willebrand factor.

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Supplemental materials and methods

Cell culture and nucleofection

Pooled donor human umbilical vein endothelial cells (HUVEC) (Promocell, Cat: 12203) cultured and used between passage 3 and 6. Unless otherwise stated HUVEC were passaged and maintained in M199 (Life Technologies) free from antibiotics but supplemented with 10 U/mL heparin (Cat: H3149), 20% FCS (Labtech, Cat: FCS-SA) and 30 µg/ml endothelial cell growth supplement (Sigma Aldrich). Plasmids or siRNA were transfected into HUVECs by nucleofection using the program U-001 (Lonza). Cells were typically assayed 24 h (all plasmids) or 48 h (eGFP-SEPT6) after transfection.

Pharmacological inhibitors

Pharmacological inhibitors and suppliers used in this study are as follows. IPA-3 (Sigma-Aldrich I2285), FRAX-486 (Tocris, Cat: 5190), FCF (Sigma-Aldrich, Cat: 32974) and NVS PAK1.1 (Tocris, Cat: 6132).

Primary antibodies for immunofluorescence

Mouse (Ms) anti-PAK2 (Thermo Fisher Scientific, Cat: MA5-15527, dilution 1:200).
Rabbit (Rb) SEPT7 (Tecan, Cat: 18991, dilution 1:500)
Rb anti-SEPT2 (Cambridge Biosciences, Cat: HPA018481, dilution 1:200)
Rb VWF (Dako, Cat: A0082, dilution 1:10,000)
Rb anti NMIIa (Abcam, Cat: ab138498 1:200)
Sheep anti-VWF (Bio-Rad, Cat AHP062, dilution, 1 in 10,000)
Rb anti-Myosin 1c (Abcam, Cat: ab194828, dilution 1 in 200)

Antibodies for immunoblotting

Myosin Light Chain 2 Antibody Sampler Kit (Cell Signalling, Cat: 9776, dilutions 1:1000).
Rb anti PAK2 (Cell Signalling, Cat: 2608, dilution 1:1000)
Ms anti- β -tubulin (Sigma-Aldrich, Cat T5201, dilution 1:3000)
Rb anti-SEPT7 (Tecan, Cat: 18991, dilution 1:1000)
Rb anti-SEPT2 (Cambridge Biosciences, Cat: HPA018481, dilution 1:1000)
Rb-SEPT9 (Atlas Antibodies, Cat: HPA042564, dilution 1:1000)
Rt anti-GFP (Chromotek, Cat:3H9, dilution 1:1000)
Rb anti-cofilin (Cell Signalling, Cat: 5175, dilution 1:1000)
Rb anti-phospho-cofilin (Ser3) (Cell Signalling, Cat: 3313, dilution 1:1000)
Horse radish peroxidase conjugated goat (Gt) anti-Ms-IgG (Dako, Cat: P0447, dilution 1:5000)
Gt anti-Rb IRDye 680RD (Licor, Cat: 92668071, dilution 1:15,000)
Donkey anti-Rb IRDye 800CW (Licor, Cat: 92632211, dilution 1:15,000)
Gt anti-Ms 680 (Invitrogen, Cat: A21057, dilution 1:15,000)
Gt anti-rat HRP (Invitrogen, Cat: 31470, dilution 1:5000)

Live-cell imaging of HUVEC

For imaging septin dynamics 1×10^6 cells were transfected with 3 µg of SEPT6-eGFP P.sel.lum.mCherry and seeded into four compartment cell viewing dishes. 48 hours later cells were stimulated with PMA (100 ng/mL) and continuous Z-stack (0.5-6 µm steps) images acquired using a Zeiss LSM 800 confocal microscope (63X objective lens). The same procedure

was followed for imaging actin dynamics with the following exceptions. 3 μg of LifeAct-GFP was used in combination with P.sel.lum.mCherry and cells were imaged 24 hours after nucleofection. For inhibitor studies cells were pre-incubated in 1 μM of FRAX486 or 50 μM FCF for at least 30 minutes.

Defining the exact timings of septin ring recruitment was particularly challenging because in our experimental conditions, fluorescently tagged septin subunits only incorporate in the hetero-oligomers following a transient burst of expression. This is because recombinant septins do not immediately incorporate into the pre-existing septin filaments but require *de novo* assembly of hetero-oligomers (Sellin et al., 2011). Further, increased expression level and ability to form homopolymers resulted in lentiviral-derived SEPT7-mCherry aggregating into thick amyloid-like filaments. The only way to image septin ring formation in live endothelial cells was to incorporate eGFP tagged monomers into the heterooligomeric rings during formation. SEPT6 is the only septin that we managed to image at exocytosis in live cells (endogenous SEPT7 is present on SEPT6-eGFP rings, as observed using fixed cells). There remains the possibility that septin ring function in cells expressing sufficient SEPT6-eGFP are perturbed in some manner in terms of dynamics and function. The impact of SEPT6 depletion on exit site size was the opposite to SEPT7, indicating that SEPT6 may play alternate or redundant roles in exocytosis. This may explain why SEPT6 is suitable candidate for allowing septin ring imaging. Despite this, we can conclude that SEPT2/6/7/9 rings are recruited post fusion and have an important role in VWF exocytosis through aiding efficient functioning of the actomyosin ring.

Supplementary Figures

Fig. S1. Optimization of the fluorescent dot blot. (A) Example blot. VWF was detected with an anti-VWF antibody, signal amplified using a biotin conjugated antibody and 800 IRDye labelled streptavidin. (B) No edge effects were determined (C) No significant differences were detected when the fluorescent dot blot was compared to a conventional VWF ELISA.

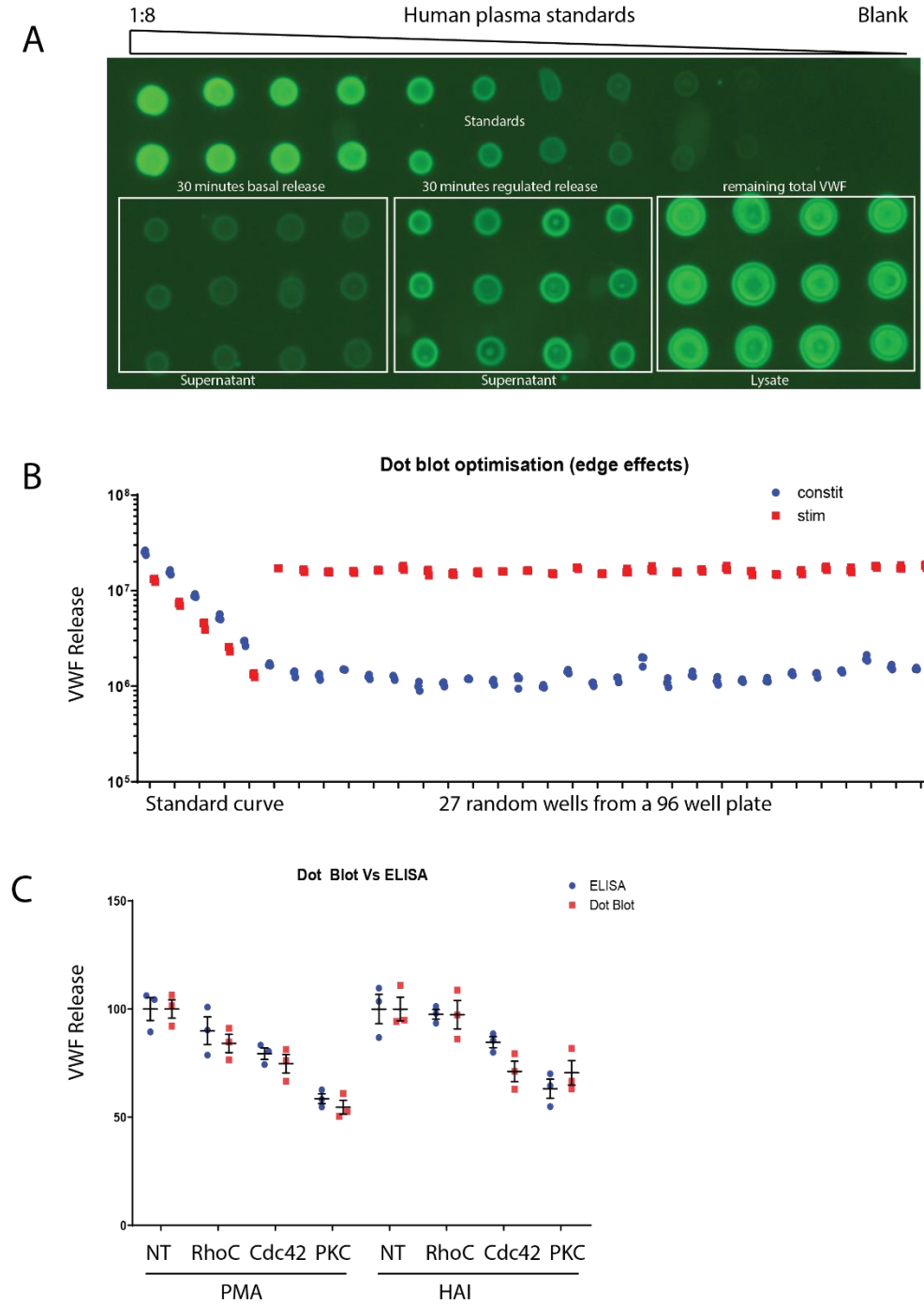


Fig. S2 The effect of siRNA mediated depletion of PAK isoforms and Septin paralogs on VWF release and exit site size The transfected cells were stimulated with PMA (A/C) or a combination of Histamine/Adrenalin/IBMX (B/D) and either fixed in the presence of VWF antibody for analysis by confocal microscopy to determine exit site size (C/D) or the supernatants taken to determine the amount of VWF secreted by fluorescent dot blot analysis (A/B).

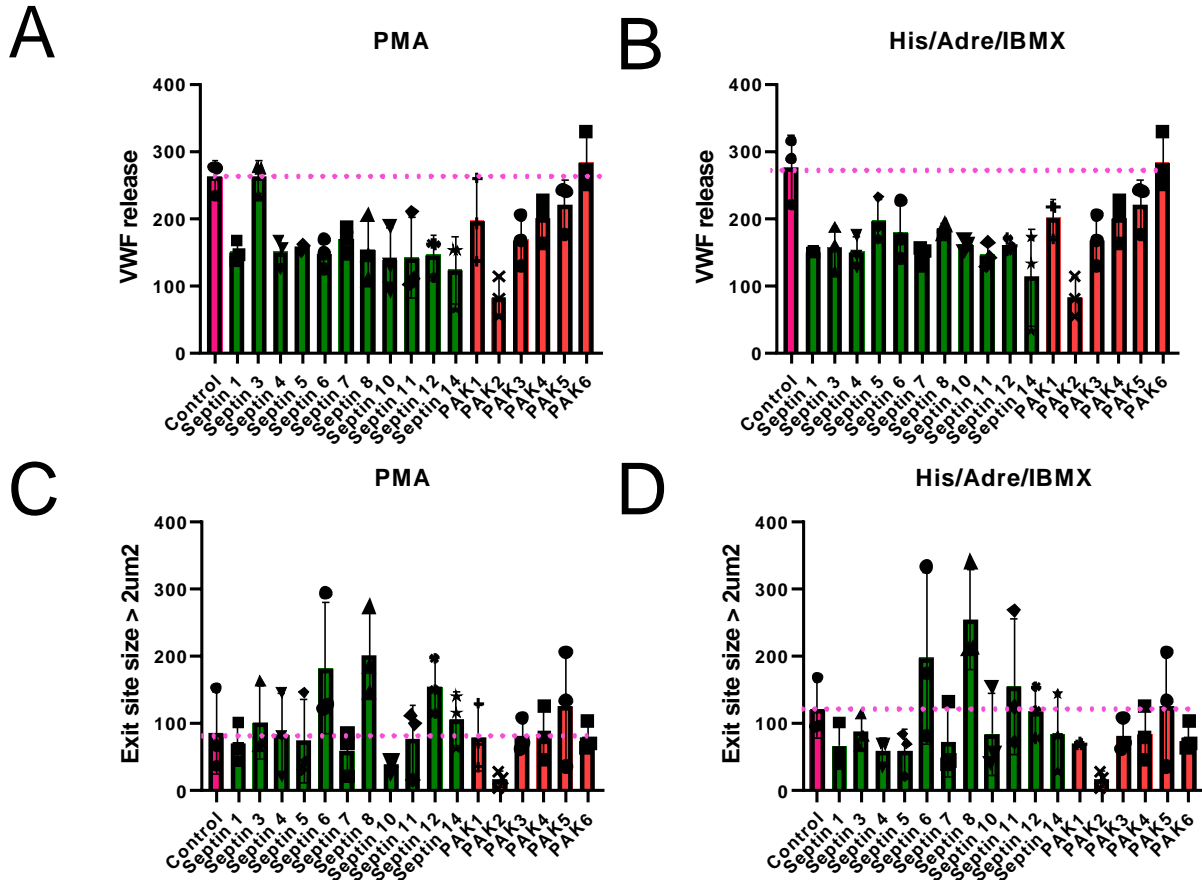


Fig. S3. The effect of PAK2 silencing on VWF release is not mediated by ERK1/2 or cofilin activity. (A) Schematic of known PAK2 signalling pathways (B) PAK2 and SEPT7 expression was silenced using siRNA oligonucleotides and cell lysates probed for SEPT7, PAK2, tubulin, ERK1/2, phosphor-ERK1/2 (thr185/tyr187), cofilin and phospho-cofilin (s3) (C-D) Knock down efficiency of SEPT7 and PAK2 siRNA as determined by densitometry. (E) PAK2 KD and SEPT7 KD does not inhibit PMA stimulated ERK1/2 phosphorylation at thr185/tyr187 residues. (F) Less phosphor-cofilin (s3) was detected in PAK2 and SEPT7 KD lysates under basal conditions. PAK2 KD and SEPT7 KD does not inhibit PMA stimulated cofilin phosphorylation at s3.

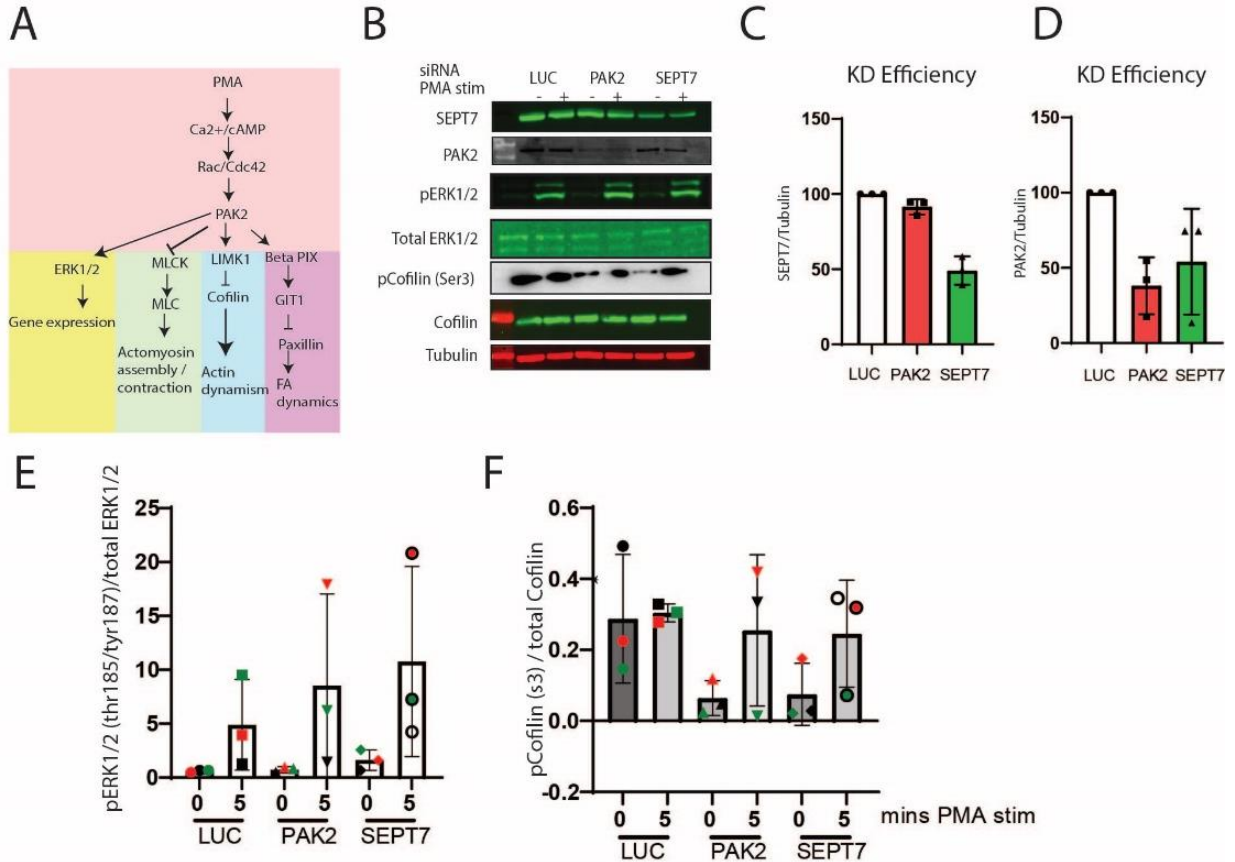


Fig. S4. Optimization of imaging fluorescently tagged septin subunits in endothelial cells

(A) Lentiviral-derived SEPT7-mCherry forms thick filaments, uncharacteristic of the endogenous staining. (B) Lentiviral derived SEPT6-eGFP forms thick aggregates. (C) Imaging of plasmid transfected (eGFP-SEPT6) 48 hours after a transient burst of expression illustrates cytoskeletal-like staining of eGFP-SEPT6 (green) and colocalisation with actin (white). (D) eGFP-SEPT6 behaves like the endogenous protein, forming rings in response to actin polymerisation with CCE. All scale bars are 10 μ m. (E) Live cell confocal imaging of HUVEC transfected with eGFP-SEPT6 (green) and P.sel.lum.mCherry (magenta) prior to stimulation with PMA (100 ng/mL) in the presence of the actin poison, cytochalasin E (1 μ M). Scale bar 1 μ m.

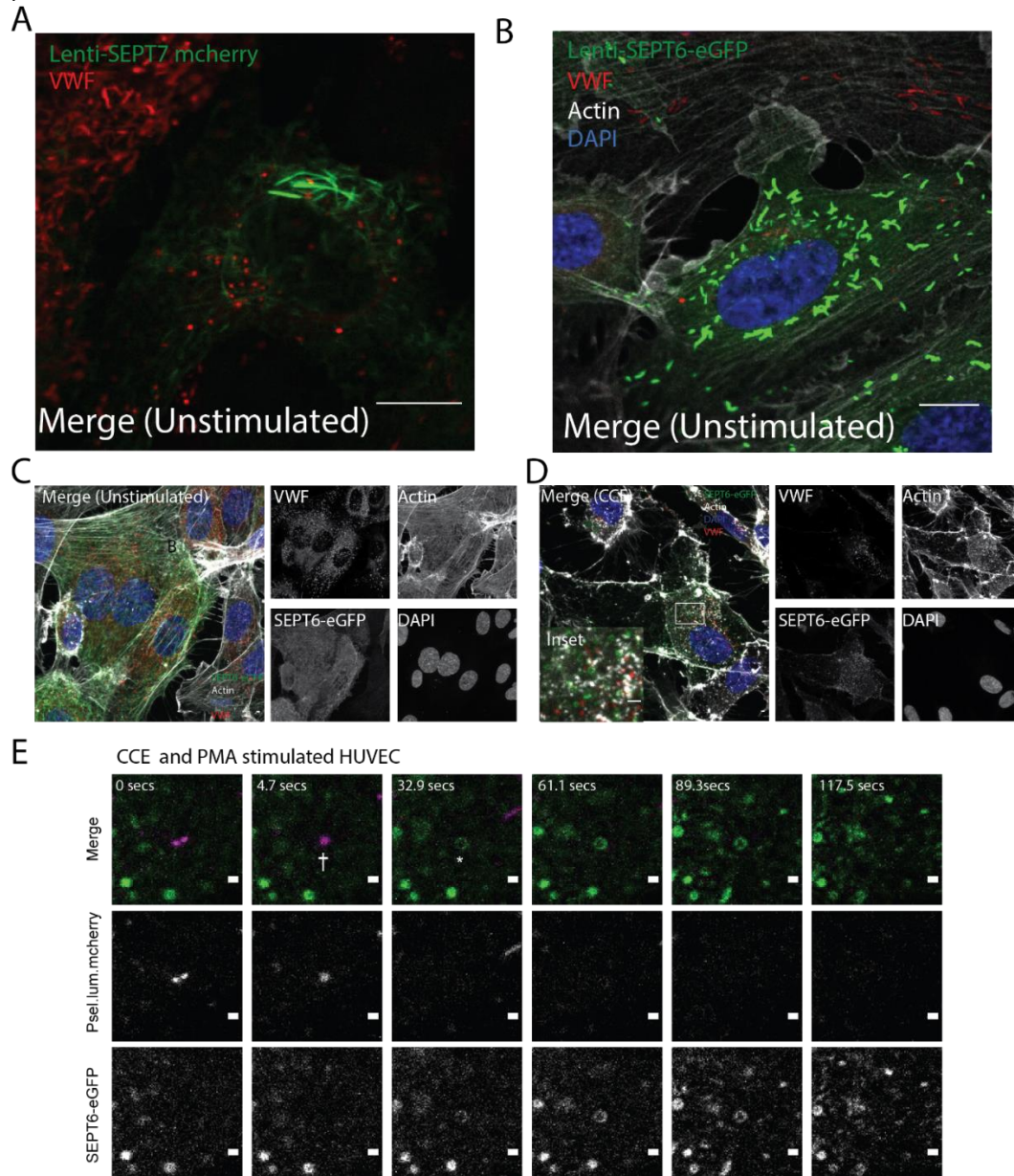


Fig. S5 Pharmacological regulation of PAK2 and SEPT7 perturbs actin ring kinetics during WPB exocytosis (A) HUVEC were exposed to increasing concentration of the septin stabilising small molecule, FCF. FCF inhibited VWF release in a dose dependent fashion. One way ANOVA with Dunnett's post hoc test. (B) WPB fusion was quantified by change in morphology (rod>round) and loss of mCherry signal. HUVEC were pre-treated with low dose concentrations of FRAX486 (1 μ M) and FCF (50 μ M) for 30 minutes before stimulation with PMA (100 ng/mL). The pan-PAK inhibitor FRAX486 reduced WPB fusion events ($*p<0.05$), while FCF had no effect ($ns=p>0.05$). One way ANOVA with Dunnett's post hoc test (C) Quantification of WPB fusion events in which LifeAct-GFP was recruited as a ring. (D) Quantification of the duration of LifeAct-GFP signal encapsulating fused WPBs. Control: 64 events from 13 cells. FRAX486: 24 events from 18 cells. FCF: 37 events 23 cells. ($*p<0.05$) One way ANOVA with Dunnett's post hoc test. (E) Frequency distribution of the duration of actin ring dependent exocytic events. In control cells, every event lasted less than 60 secs. Inhibition of septin and PAK2 resulted in some events lasting as long as 160s and 100s respectively.

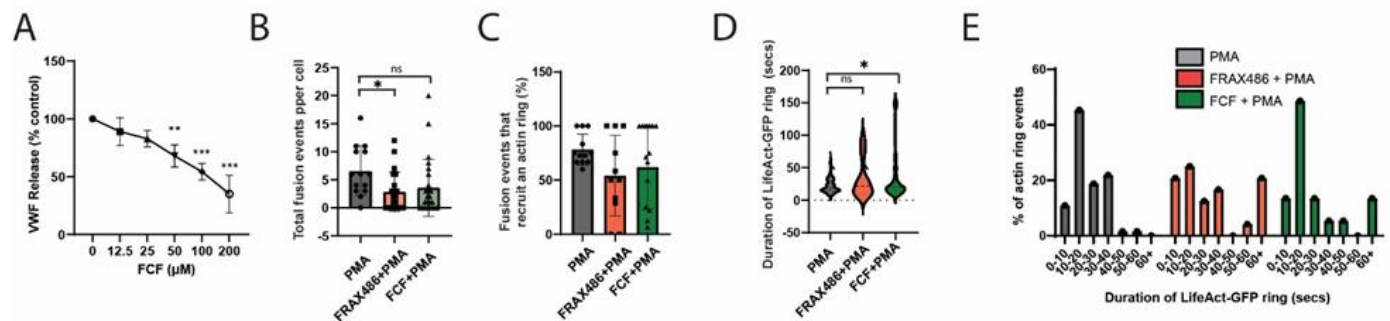


Fig. S6 Actin ring formation is septin independent and SEPT7 depletion reduces efficiency of VWF string release. HUVEC were depleted of SEPT7 using siRNA and actin ring formation assessed by immunofluorescence **(A)** siRNA transfected HUVEC were stimulated with PMA (100 ng/mL) and fixed after ten minutes. Confocal microscopy images (0.5 μ m Z stacks) were acquired using identical settings. Scale bar 10 μ m. Inset: Actin rings (magenta) could be identified in cells with minimal SEPT7 signal (green). **(B)** Western blotting detected a band at 51 kDA and demonstrated a knockdown efficiency of approx. 70% (three independent experiments). **(C)** The number of actin rings per cell was quantified. 32 images over three experiments. **(D)** Quantification of the number of VWF strings (per cell) released from HUVEC under static conditions. ns= $p>0.05$, * $p<0.05$, ** $p<0.01$ unpaired two tailed t test. **(E)** Quantification of the length of VWF strings (μ m). Control: 321 strings. SEPT7 KD 114 strings. **(F)** Representative images of VWF staining in LUC (left panel) and SEPT7 KD (left panel) HUVEC. Data presented as the mean from each independent experiment (n=3). Scale bar 10 μ m. **(G)** Densitometric values for confirmatory immunoblotting performed on SEPT2/7/9 depleted HUVEC.

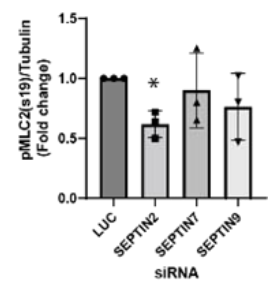
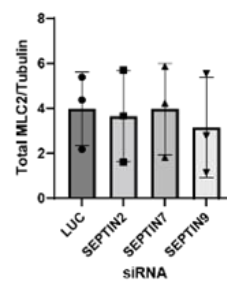
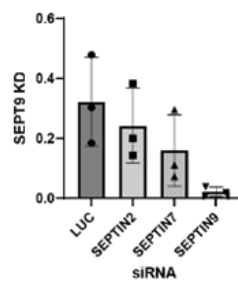
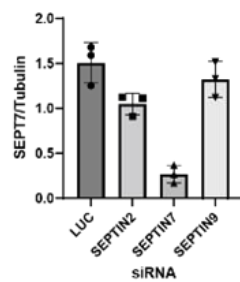
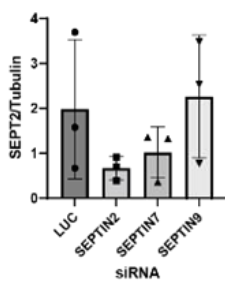
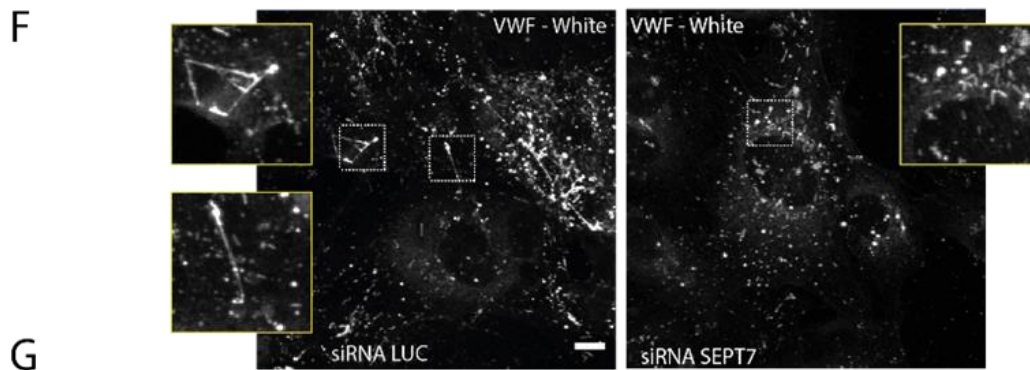
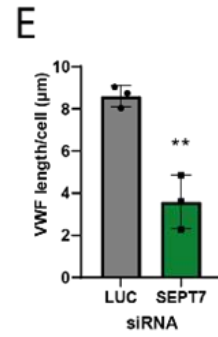
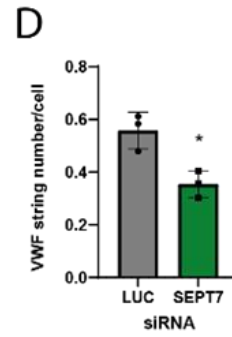
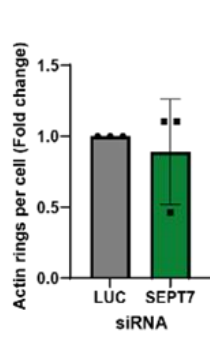
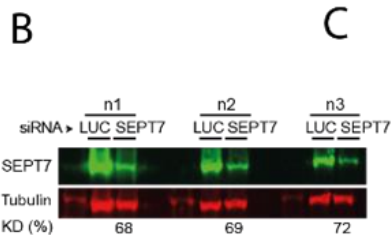
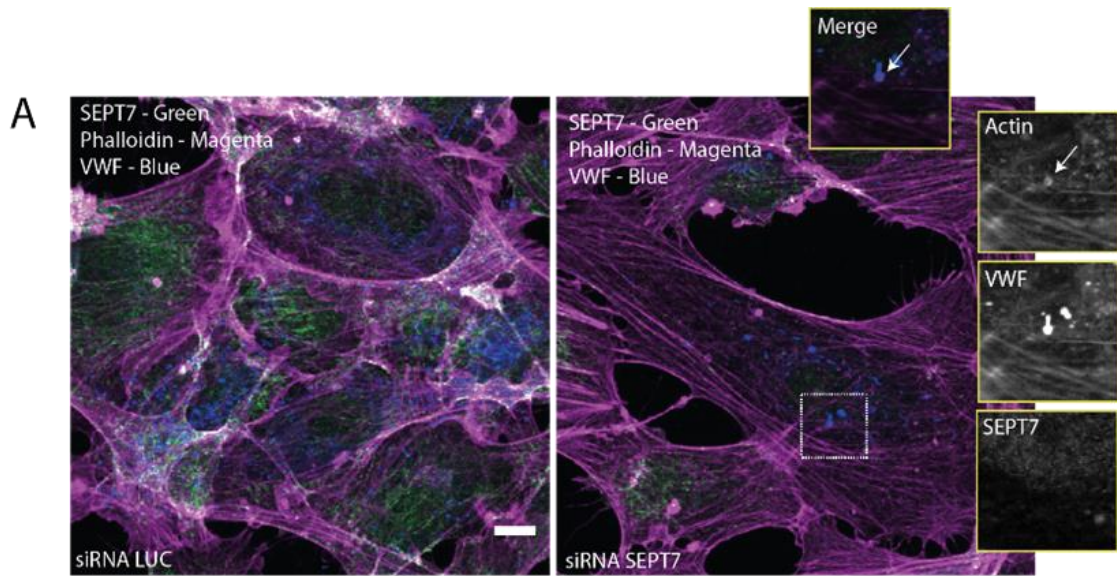


Table S1. Full list of proteins identified by Rab27a-eGFP-APEX2 proximity in unstimulated endothelial cells

Acc	Prot Name	p value	fold (log ₂ scale)	Significant
HECD1_HUMAN	E3 ubiquitin-protein ligase HECTD1 OS=Homo sapiens GN=HECTD1 PE=1 SV=3	0.009737	8.545706	yes
GOGA5_HUMAN	Golgin subfamily A member 5 OS=Homo sapiens GN=GOLGA5 PE=1 SV=3	0.000197	8.150948	yes
MYRIP_HUMAN	Rab effector MyRIP OS=Homo sapiens GN=MYRIP PE=1 SV=2	0.000493	7.684593	yes
AL1A1_HUMAN	Retinal dehydrogenase 1 OS=Homo sapiens GN=ALDH1A1 PE=1 SV=2	0.024155	7.59849	yes
DAB2_HUMAN	Disabled homolog 2 OS=Homo sapiens GN=DAB2 PE=1 SV=3	0.001307	7.453004	yes
S23IP_HUMAN	SEC23-interacting protein OS=Homo sapiens GN=SEC23IP PE=1 SV=1	6.64E-05	7.403706	yes
PDXD1_HUMAN	Pyridoxal-dependent decarboxylase domain-containing protein 1 OS=Homo sapiens GN=PDXDC1 PE=1 SV=2	1.84E-05	7.394522	yes
RN213_HUMAN	E3 ubiquitin-protein ligase RNF213 OS=Homo sapiens GN=RNF213 PE=1 SV=3	4.81E-05	7.232809	yes
RGPD3_HUMAN	RanBP2-like and GRIP domain-containing protein 3 OS=Homo sapiens GN=RGPD3 PE=3 SV=2	0.008297	7.108951	yes
RB6I2_HUMAN	ELKS/Rab6-interacting/CAST family member 1 OS=Homo sapiens GN=ERC1 PE=1 SV=1	0.001848	6.940467	yes
ZN598_HUMAN	Zinc finger protein 598 OS=Homo sapiens GN=ZNF598 PE=1 SV=1	0.020157	6.903336	yes

OSBL9_HUMAN	Oxysterol-binding protein-related protein 9 OS=Homo sapiens OX=9606 GN=OSBPL9 PE=1 SV=2	0.003005	6.88943	yes
MX1_HUMAN	Interferon-induced GTP-binding protein Mx1 OS=Homo sapiens GN=MX1 PE=1 SV=4	0.017686	6.809787	yes
DJC13_HUMAN	DnaJ homolog subfamily C member 13 OS=Homo sapiens GN=DNAJC13 PE=1 SV=5	0.001331	6.75512	yes
ARHG7_HUMAN	Rho guanine nucleotide exchange factor 7 OS=Homo sapiens OX=9606 GN=ARHGEF7 PE=1 SV=2	0.020737	6.713428	yes
PTN11_HUMAN	Tyrosine-protein phosphatase non-receptor type 11 OS=Homo sapiens GN=PTPN11 PE=1 SV=2	0.022974	6.695261	yes
BRK1_HUMAN	Protein BRICK1 OS=Homo sapiens OX=9606 GN=BRK1 PE=1 SV=1	0.012351	6.663803	yes
MRCKB_HUMAN	Serine/threonine-protein kinase MRCK beta OS=Homo sapiens GN=CDC42BPB PE=1 SV=2	3.62E-06	6.581071	yes
OGT1_HUMAN	UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit OS=Homo sapiens GN=OGT PE=1 SV=3	0.001298	6.573009	yes
CLAP2_HUMAN	CLIP-associating protein 2 OS=Homo sapiens GN=CLASP2 PE=1 SV=2	0.001996	6.511881	yes
JIP4_HUMAN	C-Jun-amino-terminal kinase-interacting protein 4 OS=Homo sapiens GN=SPAG9 PE=1 SV=4	6.58E-06	6.510294	yes
UBXN4_HUMAN	UBX domain-containing protein 4 OS=Homo sapiens OX=9606 GN=UBXN4 PE=1 SV=2	0.00744	6.480016	yes
AKP13_HUMAN	A-kinase anchor protein 13 OS=Homo sapiens GN=AKAP13 PE=1 SV=2	0.008925	6.476722	yes

PHLB2 _HUMAN	Pleckstrin homology-like domain family B member 2 OS=Homo sapiens OX=9606 GN=PHLDB2 PE=1 SV=2	0.03 895 5	6.46 446 2	yes
UACA _HUMAN	Uveal autoantigen with coiled-coil domains and ankyrin repeats OS=Homo sapiens GN=UACA PE=1 SV=2	0.00 374 2	6.36 076 6	yes
CLAP1 _HUMAN	CLIP-associating protein 1 OS=Homo sapiens GN=CLASP1 PE=1 SV=1	0.02 681 2	6.34 386 9	yes
MICA2 _HUMAN	[F-actin]-monooxygenase MICAL2 OS=Homo sapiens OX=9606 GN=MICAL2 PE=1 SV=1	0.01 805	6.32 515 9	yes
GOGA2 _HUMAN	Golgin subfamily A member 2 OS=Homo sapiens GN=GOLGA2 PE=1 SV=3	1.74 E- 06	6.31 964 5	yes
TANK _HUMAN	TRAF family member-associated NF-kappa-B activator OS=Homo sapiens OX=9606 GN=TANK PE=1 SV=2	0.00 943 5	6.31 228 2	yes
BCAR1 _HUMAN	Breast cancer anti-estrogen resistance protein 1 OS=Homo sapiens GN=BCAR1 PE=1 SV=2	6.95 E- 05	6.24 081 3	yes
MB12A _HUMAN	Multivesicular body subunit 12A OS=Homo sapiens OX=9606 GN=MVB12A PE=1 SV=1	0.00 644	6.21 304 1	yes
GOGA3 _HUMAN	Golgin subfamily A member 3 OS=Homo sapiens GN=GOLGA3 PE=1 SV=2	7.75 E- 07	6.21 033 2	yes
NLRP1 _HUMAN	NACHT, LRR and PYD domains-containing protein 1 OS=Homo sapiens GN=NLRP1 PE=1 SV=1	0.02 605	6.20 718 6	yes
DDX58 _HUMAN	Probable ATP-dependent RNA helicase DDX58 OS=Homo sapiens GN=DDX58 PE=1 SV=2	0.00 364 6	6.19 969 2	yes
DOC10 _HUMAN	Dedicator of cytokinesis protein 10 OS=Homo sapiens GN=DOCK10 PE=1 SV=3	0.04 718 7	6.16 000 5	yes

TBCD5_HUMAN	TBC1 domain family member 5 OS=Homo sapiens OX=9606 GN=TBC1D5 PE=1 SV=1	0.002892	6.142402	yes
GRAP1_HUMAN	GRIP1-associated protein 1 OS=Homo sapiens OX=9606 GN=GRIPAP1 PE=1 SV=2	0.016621	6.107214	yes
GCP3_HUMAN	Gamma-tubulin complex component 3 OS=Homo sapiens GN=TUBGCP3 PE=1 SV=2	4.27E-05	6.09418	yes
RFIP5_HUMAN	Rab11 family-interacting protein 5 OS=Homo sapiens GN=RAB11FIP5 PE=1 SV=1	0.008569	6.085981	yes
SCRIB_HUMAN	Protein scribble homolog OS=Homo sapiens GN=SCRIB PE=1 SV=4	0.011807	6.01661	yes
ECM29_HUMAN	Proteasome-associated protein ECM29 homolog OS=Homo sapiens GN=ECM29 PE=1 SV=2	0.000435	6.00233	yes
EEA1_HUMAN	Early endosome antigen 1 OS=Homo sapiens GN=EEA1 PE=1 SV=2	0.008524	5.992997	yes
AFAD_HUMAN	Afadin OS=Homo sapiens GN=MLLT4 PE=1 SV=3	0.016549	5.990635	yes
CNOT1_HUMAN	CCR4-NOT transcription complex subunit 1 OS=Homo sapiens GN=CNOT1 PE=1 SV=2	0.000346	5.975253	yes
SPIR1_HUMAN	Protein spire homolog 1 OS=Homo sapiens OX=9606 GN=SPIRE1 PE=1 SV=3	0.017111	5.92116	yes
GAK_HUMAN	Cyclin-G-associated kinase OS=Homo sapiens GN=GAK PE=1 SV=2	3.49E-05	5.915786	yes
IF4G3_HUMAN	Eukaryotic translation initiation factor 4 gamma 3 OS=Homo sapiens GN=EIF4G3 PE=1 SV=2	0.010303	5.882259	yes

P3C2A_HUMAN	Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha OS=Homo sapiens GN=PIK3C2A PE=1 SV=2	0.027994	5.877984	yes
GOSR1_HUMAN	Golgi SNAP receptor complex member 1 OS=Homo sapiens OX=9606 GN=GOSR1 PE=1 SV=1	0.023461	5.872499	yes
DHX36_HUMAN	ATP-dependent RNA helicase DHX36 OS=Homo sapiens GN=DHX36 PE=1 SV=2	0.027323	5.865774	yes
IFIT2_HUMAN	Interferon-induced protein with tetratricopeptide repeats 2 OS=Homo sapiens GN=IFIT2 PE=1 SV=1	0.017743	5.858229	yes
SNP29_HUMAN	Synaptosomal-associated protein 29 OS=Homo sapiens GN=SNAP29 PE=1 SV=1	0.00139	5.828414	yes
SYTL4_HUMAN	Synaptotagmin-like protein 4 OS=Homo sapiens GN=SYTL4 PE=1 SV=2	0.004176	5.826622	yes
PP12C_HUMAN	Protein phosphatase 1 regulatory subunit 12C OS=Homo sapiens GN=PPP1R12C PE=1 SV=1	0.008172	5.816045	yes
IFIT1_HUMAN	Interferon-induced protein with tetratricopeptide repeats 1 OS=Homo sapiens GN=IFIT1 PE=1 SV=2	0.000374	5.81256	yes
RHG29_HUMAN	Rho GTPase-activating protein 29 OS=Homo sapiens GN=ARHGAP29 PE=1 SV=2	3.53E-08	5.735355	yes
ABLM1_HUMAN	Actin-binding LIM protein 1 OS=Homo sapiens GN=ABLIM1 PE=1 SV=3	0.01172	5.716886	yes
EXOC4_HUMAN	Exocyst complex component 4 OS=Homo sapiens GN=EXOC4 PE=1 SV=1	0.000582	5.714736	yes
VP37B_HUMAN	Vacuolar protein sorting-associated protein 37B OS=Homo sapiens GN=VPS37B PE=1 SV=1	0.003468	5.709545	yes

CLIP1_HUMAN	CAP-Gly domain-containing linker protein 1 OS=Homo sapiens GN=CLIP1 PE=1 SV=2	0.00 054 7	5.67 820 5	yes
CND1_HUMAN	Condensin complex subunit 1 OS=Homo sapiens GN=NCAPD2 PE=1 SV=3	0.02 628	5.64 719 8	yes
STA13_HUMAN	StAR-related lipid transfer protein 13 OS=Homo sapiens OX=9606 GN=STARD13 PE=1 SV=2	0.01 497 7	5.64 057 8	yes
RUFY1_HUMAN	RUN and FYVE domain-containing protein 1 OS=Homo sapiens GN=RUFY1 PE=1 SV=2	0.01 413 8	5.63 425	yes
TMF1_HUMAN	TATA element modulatory factor OS=Homo sapiens GN=TMF1 PE=1 SV=2	3.25 E- 05	5.62 568 9	yes
MMS19_HUMAN	MMS19 nucleotide excision repair protein homolog OS=Homo sapiens GN=MMS19 PE=1 SV=2	0.01 149 9	5.61 551 5	yes
CDC27_HUMAN	Cell division cycle protein 27 homolog OS=Homo sapiens GN=CDC27 PE=1 SV=2	2.08 E- 05	5.56 454 2	yes
PTN12_HUMAN	Tyrosine-protein phosphatase non-receptor type 12 OS=Homo sapiens GN=PTPN12 PE=1 SV=3	1.15 E- 05	5.54 461 5	yes
ITB4_HUMAN	Integrin beta-4 OS=Homo sapiens GN=ITGB4 PE=1 SV=5	0.00 778 4	5.53 678 4	yes
DCTN4_HUMAN	Dynactin subunit 4 OS=Homo sapiens GN=DCTN4 PE=1 SV=1	0.00 108 3	5.52 050 9	yes
EXD2_HUMAN	Exonuclease 3'-5' domain-containing protein 2 OS=Homo sapiens OX=9606 GN=EXD2 PE=1 SV=2	0.01 552 9	5.50 402 1	yes
LPP_HUMAN	Lipoma-preferred partner OS=Homo sapiens GN=LPP PE=1 SV=1	0.01 769 3	5.47 962 8	yes

GAPD1_HUMAN	GTPase-activating protein and VPS9 domain-containing protein 1 OS=Homo sapiens GN=GAPVD1 PE=1 SV=2	0.001057	5.47066	yes
NFKB2_HUMAN	Nuclear factor NF-kappa-B p100 subunit OS=Homo sapiens GN=NFKB2 PE=1 SV=4	0.000695	5.449474	yes
KLC2_HUMAN	Kinesin light chain 2 OS=Homo sapiens GN=KLC2 PE=1 SV=1	0.027363	5.401711	yes
BIG1_HUMAN	Brefeldin A-inhibited guanine nucleotide-exchange protein 1 OS=Homo sapiens GN=ARFGEF1 PE=1 SV=2	2.12E-05	5.391298	yes
TF65_HUMAN	Transcription factor p65 OS=Homo sapiens GN=RELA PE=1 SV=2	0.030004	5.385542	yes
FRM4A_HUMAN	FERM domain-containing protein 4A OS=Homo sapiens GN=FRMD4A PE=1 SV=3	0.006736	5.367296	yes
ARHG12_HUMAN	Rho guanine nucleotide exchange factor 12 OS=Homo sapiens GN=ARHGEF12 PE=1 SV=1	0.002581	5.345869	yes
DPP9_HUMAN	Dipeptidyl peptidase 9 OS=Homo sapiens OX=9606 GN=DPP9 PE=1 SV=3	0.026235	5.343527	yes
DOCK4_HUMAN	Dedicator of cytokinesis protein 4 OS=Homo sapiens GN=DOCK4 PE=1 SV=3	4.83E-05	5.341448	yes
SASH1_HUMAN	SAM and SH3 domain-containing protein 1 OS=Homo sapiens GN=SASH1 PE=1 SV=3	0.015232	5.334716	yes
PDE3A_HUMAN	cGMP-inhibited 3',5'-cyclic phosphodiesterase A OS=Homo sapiens GN=PDE3A PE=1 SV=3	0.009727	5.333942	yes
GBF1_HUMAN	Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1 OS=Homo sapiens GN=GBF1 PE=1 SV=2	0.000443	5.317469	yes

DEOC_HUMAN	Deoxyribose-phosphate aldolase OS=Homo sapiens OX=9606 GN=DERA PE=1 SV=2	0.02 278 3	5.30 529 8	yes
NFKB1_HUMAN	Nuclear factor NF-kappa-B p105 subunit OS=Homo sapiens GN=NFKB1 PE=1 SV=2	0.00 022 5	5.29 983 8	yes
RFLA_HUMAN	Refilin-A OS=Homo sapiens OX=9606 GN=RFLNA PE=1 SV=3	0.02 528 6	5.26 558 9	yes
LRCH3_HUMAN	Leucine-rich repeat and calponin homology domain-containing protein 3 OS=Homo sapiens OX=9606 GN=LRCH3 PE=1 SV=2	0.01 707 7	5.26 284 8	yes
IST1_HUMAN	IST1 homolog OS=Homo sapiens GN=IST1 PE=1 SV=1	0.00 459 7	5.25 987 3	yes
CBL_HUMAN	E3 ubiquitin-protein ligase CBL OS=Homo sapiens GN=CBL PE=1 SV=2	0.02 700 1	5.25 961 6	yes
NDE1_HUMAN	Nuclear distribution protein nudE homolog 1 OS=Homo sapiens OX=9606 GN=NDE1 PE=1 SV=3	0.04 165 3	5.25 855 2	yes
TENS1_HUMAN	Tensin-1 OS=Homo sapiens GN=TNS1 PE=1 SV=2	0.00 291 1	5.23 107 7	yes
ROCK1_HUMAN	Rho-associated protein kinase 1 OS=Homo sapiens GN=ROCK1 PE=1 SV=1	0.00 037 3	5.22 935 6	yes
GIT2_HUMAN	ARF GTPase-activating protein GIT2 OS=Homo sapiens GN=GIT2 PE=1 SV=2	0.00 527 3	5.22 635 7	yes
TBD2B_HUMAN	TBC1 domain family member 2B OS=Homo sapiens GN=TBC1D2B PE=1 SV=2	0.01 941 6	5.21 720 6	yes
CNOT3_HUMAN	CCR4-NOT transcription complex subunit 3 OS=Homo sapiens GN=CNOT3 PE=1 SV=1	0.00 053 5	5.20 684 4	yes

FRMD6 _HUMAN	FERM domain-containing protein 6 OS=Homo sapiens GN=FRMD6 PE=1 SV=1	8.01 E-05	5.19 7059	yes
ANR28 _HUMAN	Serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A OS=Homo sapiens GN=ANKRD28 PE=1 SV=5	0.00 0942	5.18 3664	yes
GPDM _HUMAN	Glycerol-3-phosphate dehydrogenase, mitochondrial OS=Homo sapiens GN=GPD2 PE=1 SV=3	0.00 1345	5.14 6545	yes
UN13D _HUMAN	Protein unc-13 homolog D OS=Homo sapiens GN=UNC13D PE=1 SV=1	0.00 0236	5.13 43	yes
RHG21 _HUMAN	Rho GTPase-activating protein 21 OS=Homo sapiens GN=ARHGAP21 PE=1 SV=1	0.01 5357	5.12 9842	yes
CYTSA _HUMAN	Cytospin-A OS=Homo sapiens GN=SPECC1L PE=1 SV=2	0.00 7322	5.12 4126	yes
LRBA _HUMAN	Lipopolysaccharide-responsive and beige-like anchor protein OS=Homo sapiens GN=LRBA PE=1 SV=4	0.00 0782	5.11 3779	yes
NFAC2 _HUMAN	Nuclear factor of activated T-cells, cytoplasmic 2 OS=Homo sapiens GN=NFATC2 PE=1 SV=2	0.00 0199	5.10 937	yes
IQGA2 _HUMAN	Ras GTPase-activating-like protein IQGAP2 OS=Homo sapiens GN=IQGAP2 PE=1 SV=4	0.02 9854	5.10 2255	yes
STRN _HUMAN	Striatin OS=Homo sapiens GN=STRN PE=1 SV=4	0.00 0795	5.09 0158	yes
ANKH1 _HUMAN	Ankyrin repeat and KH domain-containing protein 1 OS=Homo sapiens GN=ANKHD1 PE=1 SV=1	0.01 3143	5.08 5616	yes
FGD4 _HUMAN	FYVE, RhoGEF and PH domain-containing protein 4 OS=Homo sapiens GN=FGD4 PE=1 SV=2	0.00 7379	5.07 0054	yes

SC23B_HUMAN	Protein transport protein Sec23B OS=Homo sapiens GN=SEC23B PE=1 SV=2	0.00 010 8	5.05 575 9	yes
RBGPR_HUMAN	Rab3 GTPase-activating protein non-catalytic subunit OS=Homo sapiens GN=RAB3GAP2 PE=1 SV=1	0.00 668 2	5.05 145 5	yes
WNK1_HUMAN	Serine/threonine-protein kinase WNK1 OS=Homo sapiens GN=WNK1 PE=1 SV=2	0.01 032 8	5.04 497 7	yes
NEB2_HUMAN	Neurabin-2 OS=Homo sapiens GN=PPP1R9B PE=1 SV=2	0.03 588 5	5.00 512 5	yes
SHIP2_HUMAN	Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 2 OS=Homo sapiens GN=INPPL1 PE=1 SV=2	0.04 669 9	5.00 429 1	yes
INF2_HUMAN	Inverted formin-2 OS=Homo sapiens GN=INF2 PE=1 SV=2	0.00 012 6	4.99 852 1	yes
GOPC_HUMAN	Golgi-associated PDZ and coiled-coil motif-containing protein OS=Homo sapiens GN=GOPC PE=1 SV=1	0.00 146 5	4.95 307 7	yes
CPIN1_HUMAN	Anamorsin OS=Homo sapiens GN=CIAPIN1 PE=1 SV=2	0.00 845 5	4.91 872 5	yes
NEDD1_HUMAN	Protein NEDD1 OS=Homo sapiens GN=NEDD1 PE=1 SV=1	0.01 068 8	4.90 579 2	yes
TNR6B_HUMAN	Trinucleotide repeat-containing gene 6B protein OS=Homo sapiens GN=TNRC6B PE=1 SV=4	0.01 822 1	4.89 898 7	yes
FGD5_HUMAN	FYVE, RhoGEF and PH domain-containing protein 5 OS=Homo sapiens GN=FGD5 PE=1 SV=3	0.00 448 9	4.89 199 3	yes
UBP4_HUMAN	Ubiquitin carboxyl-terminal hydrolase 4 OS=Homo sapiens GN=USP4 PE=1 SV=3	0.01 173	4.89 106 2	yes

TAP1_HUMAN	Antigen peptide transporter 1 OS=Homo sapiens OX=9606 GN=TAP1 PE=1 SV=2	0.015106	4.885005	yes
REPS1_HUMAN	RalBP1-associated Eps domain-containing protein 1 OS=Homo sapiens GN=REPS1 PE=1 SV=3	0.008837	4.883479	yes
ARAP3_HUMAN	Arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 3 OS=Homo sapiens GN=ARAP3 PE=1 SV=1	0.000725	4.876882	yes
TFG_HUMAN	Protein TFG OS=Homo sapiens GN=TFG PE=1 SV=2	2.77E-05	4.876745	yes
PANK4_HUMAN	Pantothenate kinase 4 OS=Homo sapiens GN=PANK4 PE=1 SV=1	1.73E-05	4.872254	yes
BCR_HUMAN	Breakpoint cluster region protein OS=Homo sapiens GN=BCR PE=1 SV=2	0.000147	4.848692	yes
NU153_HUMAN	Nuclear pore complex protein Nup153 OS=Homo sapiens GN=NUP153 PE=1 SV=2	1.47E-05	4.835763	yes
MTOR_HUMAN	Serine/threonine-protein kinase mTOR OS=Homo sapiens GN=MTOR PE=1 SV=1	0.005595	4.829518	yes
HIP1R_HUMAN	Huntingtin-interacting protein 1-related protein OS=Homo sapiens GN=HIP1R PE=1 SV=2	0.018244	4.82175	yes
SAMD9_HUMAN	Sterile alpha motif domain-containing protein 9 OS=Homo sapiens GN=SAMD9 PE=1 SV=1	0.00301	4.813584	yes
ARG28_HUMAN	Rho guanine nucleotide exchange factor 28 OS=Homo sapiens OX=9606 GN=ARHGEF28 PE=1 SV=3	0.000665	4.808077	yes
FMNL3_HUMAN	Formin-like protein 3 OS=Homo sapiens OX=9606 GN=FMNL3 PE=1 SV=3	0.049648	4.791566	yes

OSBP1_ HUMAN	Oxysterol-binding protein 1 OS=Homo sapiens GN=OSBP PE=1 SV=1	4.82 E- 06	4.78 356 5	yes
ZW10_ HUMAN	Centromere/kinetochore protein zw10 homolog OS=Homo sapiens GN=ZW10 PE=1 SV=3	0.00 065 7	4.77 949 5	yes
EPS15_ HUMAN	Epidermal growth factor receptor substrate 15 OS=Homo sapiens GN=EPS15 PE=1 SV=2	7.91 E- 06	4.77 848 9	yes
XRN1_ HUMAN	5'-3' exoribonuclease 1 OS=Homo sapiens GN=XRN1 PE=1 SV=1	0.00 127 4	4.77 341 4	yes
PLXD1_ HUMAN	Plexin-D1 OS=Homo sapiens GN=PLXND1 PE=1 SV=3	0.00 418 6	4.76 528 9	yes
HGS_H UMAN	Hepatocyte growth factor-regulated tyrosine kinase substrate OS=Homo sapiens GN=HGS PE=1 SV=1	1.49 E- 05	4.75 923 9	yes
ARFG1_ HUMAN	ADP-ribosylation factor GTPase-activating protein 1 OS=Homo sapiens GN=ARFGAP1 PE=1 SV=2	1.29 E- 05	4.74 856 6	yes
SC24B_ HUMAN	Protein transport protein Sec24B OS=Homo sapiens GN=SEC24B PE=1 SV=2	2.85 E- 05	4.74 112 5	yes
NU160_ HUMAN	Nuclear pore complex protein Nup160 OS=Homo sapiens GN=NUP160 PE=1 SV=3	0.01 405 5	4.73 935	yes
MYO9B_ HUMAN	Unconventional myosin-IXb OS=Homo sapiens GN=MYO9B PE=1 SV=3	0.00 073 6	4.73 059 7	yes
OSB10_ HUMAN	Oxysterol-binding protein-related protein 10 OS=Homo sapiens GN=OSBPL10 PE=1 SV=2	0.00 134 8	4.72 528 4	yes
ASPC1_ HUMAN	Tether containing UBX domain for GLUT4 OS=Homo sapiens GN=ASPC1 PE=1 SV=1	0.01 667 6	4.72 065 4	yes

PTN23_HUMAN	Tyrosine-protein phosphatase non-receptor type 23 OS=Homo sapiens GN=PTPN23 PE=1 SV=1	7.50 E- 05	4.71 919 5	yes
PA24A_HUMAN	Cytosolic phospholipase A2 OS=Homo sapiens GN=PLA2G4A PE=1 SV=2	0.00 328 3	4.71 680 2	yes
HOOK3_HUMAN	Protein Hook homolog 3 OS=Homo sapiens GN=HOOK3 PE=1 SV=2	0.00 164 5	4.70 229 1	yes
MON2_HUMAN	Protein MON2 homolog OS=Homo sapiens GN=MON2 PE=1 SV=3	0.00 060 9	4.68 445 3	yes
STAT2_HUMAN	Signal transducer and activator of transcription 2 OS=Homo sapiens GN=STAT2 PE=1 SV=1	0.00 630 9	4.67 177 1	yes
TGFI1_HUMAN	Transforming growth factor beta-1-induced transcript 1 protein OS=Homo sapiens OX=9606 GN=TGFB1I1 PE=1 SV=2	0.02 965 3	4.65 291 1	yes
NEMO_HUMAN	NF-kappa-B essential modulator OS=Homo sapiens GN=IKBKG PE=1 SV=2	0.00 384 1	4.65 263 9	yes
F91A1_HUMAN	Protein FAM91A1 OS=Homo sapiens GN=FAM91A1 PE=1 SV=3	0.01 335 6	4.65 131 1	yes
RB3GP_HUMAN	Rab3 GTPase-activating protein catalytic subunit OS=Homo sapiens GN=RAB3GAP1 PE=1 SV=3	0.00 220 9	4.64 733 3	yes
VATE1_HUMAN	V-type proton ATPase subunit E 1 OS=Homo sapiens OX=9606 GN=ATP6V1E1 PE=1 SV=1	0.01 095 4	4.63 186 4	yes
DNM1L_HUMAN	Dynamamin-1-like protein OS=Homo sapiens GN=DNM1L PE=1 SV=2	0.00 044 7	4.62 366 4	yes
AP1G1_HUMAN	AP-1 complex subunit gamma-1 OS=Homo sapiens GN=AP1G1 PE=1 SV=5	0.03 064 2	4.61 464 9	yes

TRIPB_HUMAN	Thyroid receptor-interacting protein 11 OS=Homo sapiens GN=TRIP11 PE=1 SV=3	0.003041	4.60696	yes
RB27A_HUMAN	Ras-related protein Rab-27A OS=Homo sapiens GN=RAB27A PE=1 SV=3	1.31E-07	4.59501	yes
ROCK2_HUMAN	Rho-associated protein kinase 2 OS=Homo sapiens GN=ROCK2 PE=1 SV=4	6.85E-08	4.56588	yes
BET1_HUMAN	BET1 homolog OS=Homo sapiens OX=9606 GN=BET1 PE=1 SV=1	0.019728	4.559908	yes
GIMA8_HUMAN	GTPase IMAP family member 8 OS=Homo sapiens GN=GIMAP8 PE=2 SV=2	0.023554	4.556555	yes
DYL1_HUMAN	Dynein light chain 1, cytoplasmic OS=Homo sapiens GN=DYNLL1 PE=1 SV=1	0.040854	4.547823	yes
CARD6_HUMAN	Caspase recruitment domain-containing protein 6 OS=Homo sapiens OX=9606 GN=CARD6 PE=1 SV=2	0.011614	4.544319	yes
ABI1_HUMAN	Abl interactor 1 OS=Homo sapiens GN=ABI1 PE=1 SV=4	0.001023	4.542969	yes
DNJC1_HUMAN	DnaJ homolog subfamily C member 1 OS=Homo sapiens OX=9606 GN=DNAJC1 PE=1 SV=1	0.016289	4.531426	yes
Z3H7A_HUMAN	Zinc finger CCCH domain-containing protein 7A OS=Homo sapiens OX=9606 GN=ZC3H7A PE=1 SV=1	0.023836	4.529847	yes
TGON2_HUMAN	Trans-Golgi network integral membrane protein 2 OS=Homo sapiens GN=TGOLN2 PE=1 SV=2	0.020592	4.522975	yes
PECA1_HUMAN	Platelet endothelial cell adhesion molecule OS=Homo sapiens GN=PECAM1 PE=1 SV=1	0.007842	4.517801	yes

NHSL1_HUMAN	NHS-like protein 1 OS=Homo sapiens OX=9606 GN=NHSL1 PE=1 SV=2	0.000837	4.516242	yes
STAM1_HUMAN	Signal transducing adapter molecule 1 OS=Homo sapiens GN=STAM PE=1 SV=3	0.003029	4.496223	yes
GRB10_HUMAN	Growth factor receptor-bound protein 10 OS=Homo sapiens GN=GRB10 PE=1 SV=2	0.024937	4.489	yes
RHG31_HUMAN	Rho GTPase-activating protein 31 OS=Homo sapiens GN=ARHGAP31 PE=1 SV=2	0.004027	4.487971	yes
ACAP2_HUMAN	Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 2 OS=Homo sapiens OX=9606 GN=ACAP2 PE=1 SV=3	0.026014	4.484839	yes
MILK1_HUMAN	MICAL-like protein 1 OS=Homo sapiens OX=9606 GN=MICALL1 PE=1 SV=2	0.0415	4.481932	yes
STX7_HUMAN	Syntaxin-7 OS=Homo sapiens GN=STX7 PE=1 SV=4	0.000885	4.480661	yes
A16A1_HUMAN	Aldehyde dehydrogenase family 16 member A1 OS=Homo sapiens GN=ALDH16A1 PE=1 SV=2	9.04E-06	4.461126	yes
PAR14_HUMAN	Poly [ADP-ribose] polymerase 14 OS=Homo sapiens GN=PARP14 PE=1 SV=3	0.006369	4.437973	yes
NRDC_HUMAN	Nardilysin OS=Homo sapiens OX=9606 GN=NRDC PE=1 SV=3	0.039596	4.437858	yes
PLAP_HUMAN	Phospholipase A-2-activating protein OS=Homo sapiens GN=PLAA PE=1 SV=2	0.006384	4.435551	yes
GEPH_HUMAN	Gephyrin OS=Homo sapiens GN=GPHN PE=1 SV=1	0.010192	4.431039	yes

AAK1_HUMAN	AP2-associated protein kinase 1 OS=Homo sapiens GN=AAK1 PE=1 SV=3	1.80 E-06	4.42 3269	yes
SC24A_HUMAN	Protein transport protein Sec24A OS=Homo sapiens GN=SEC24A PE=1 SV=2	6.01 E-05	4.42 1961	yes
RFTN1_HUMAN	Raftlin OS=Homo sapiens GN=RFTN1 PE=1 SV=4	0.01 0263	4.41 7669	yes
AKT1_HUMAN	RAC-alpha serine/threonine-protein kinase OS=Homo sapiens GN=AKT1 PE=1 SV=2	0.00 0617	4.40 834	yes
USP9X_HUMAN	Probable ubiquitin carboxyl-terminal hydrolase FAF-X OS=Homo sapiens GN=USP9X PE=1 SV=3	1.75 E-05	4.40 635	yes
DVL2_HUMAN	Segment polarity protein dishevelled homolog DVL-2 OS=Homo sapiens GN=DVL2 PE=1 SV=1	0.03 7282	4.39 8541	yes
S12A2_HUMAN	Solute carrier family 12 member 2 OS=Homo sapiens OX=9606 GN=SLC12A2 PE=1 SV=1	0.00 8859	4.39 184	yes
UTRO_HUMAN	Utrophin OS=Homo sapiens GN=UTRN PE=1 SV=2	7.05 E-05	4.38 9111	yes
SNX9_HUMAN	Sorting nexin-9 OS=Homo sapiens GN=SNX9 PE=1 SV=1	0.02 8537	4.38 5907	yes
CSN3_HUMAN	COP9 signalosome complex subunit 3 OS=Homo sapiens GN=COPS3 PE=1 SV=3	0.02 7898	4.37 9812	yes
PRRC1_HUMAN	Protein PRRC1 OS=Homo sapiens OX=9606 GN=PRRC1 PE=1 SV=1	0.02 4049	4.37 4223	yes
PREX1_HUMAN	Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein OS=Homo sapiens GN=PREX1 PE=1 SV=3	0.01 1469	4.36 2877	yes

ARHG1_HUMAN	Rho guanine nucleotide exchange factor 1 OS=Homo sapiens GN=ARHGEF1 PE=1 SV=2	0.005049	4.352951	yes
SHC1_HUMAN	SHC-transforming protein 1 OS=Homo sapiens GN=SHC1 PE=1 SV=4	0.000232	4.351096	yes
NAV3_HUMAN	Neuron navigator 3 OS=Homo sapiens GN=NAV3 PE=1 SV=3	0.002424	4.336246	yes
IFIT3_HUMAN	Interferon-induced protein with tetratricopeptide repeats 3 OS=Homo sapiens GN=IFIT3 PE=1 SV=1	0.001094	4.333461	yes
DHX29_HUMAN	ATP-dependent RNA helicase DHX29 OS=Homo sapiens GN=DHX29 PE=1 SV=2	0.020343	4.328713	yes
NBAS_HUMAN	Neuroblastoma-amplified sequence OS=Homo sapiens GN=NBAS PE=1 SV=2	0.000793	4.324464	yes
DSRAD_HUMAN	Double-stranded RNA-specific adenosine deaminase OS=Homo sapiens GN=ADAR PE=1 SV=4	0.000767	4.324092	yes
DEN4C_HUMAN	DENN domain-containing protein 4C OS=Homo sapiens OX=9606 GN=DENND4C PE=1 SV=3	0.048441	4.299663	yes
ZFY16_HUMAN	Zinc finger FYVE domain-containing protein 16 OS=Homo sapiens GN=ZFYVE16 PE=1 SV=3	0.002348	4.296857	yes
PHLB1_HUMAN	Pleckstrin homology-like domain family B member 1 OS=Homo sapiens GN=PHLDB1 PE=1 SV=1	0.023549	4.291291	yes
LRC8A_HUMAN	Volume-regulated anion channel subunit LRRC8A OS=Homo sapiens OX=9606 GN=LRRC8A PE=1 SV=1	0.003289	4.289266	yes
TRIO_HUMAN	Triple functional domain protein OS=Homo sapiens GN=TRIO PE=1 SV=2	0.000976	4.279892	yes

KI13B_HUMAN	Kinesin-like protein KIF13B OS=Homo sapiens GN=KIF13B PE=1 SV=2	0.03 933 1	4.25 349 7	yes
NUP88_HUMAN	Nuclear pore complex protein Nup88 OS=Homo sapiens GN=NUP88 PE=1 SV=2	0.00 867 4	4.23 986 1	yes
FRYL_HUMAN	Protein furry homolog-like OS=Homo sapiens GN=FRYL PE=1 SV=2	0.00 235 9	4.22 939	yes
ARFG3_HUMAN	ADP-ribosylation factor GTPase-activating protein 3 OS=Homo sapiens GN=ARFGAP3 PE=1 SV=1	0.02 918 6	4.20 550 5	yes
GCP60_HUMAN	Golgi resident protein GCP60 OS=Homo sapiens GN=ACBD3 PE=1 SV=4	0.00 113	4.20 320 5	yes
PSD10_HUMAN	26S proteasome non-ATPase regulatory subunit 10 OS=Homo sapiens GN=PSMD10 PE=1 SV=1	0.01 118 2	4.19 871	yes
GCR_HUMAN	Glucocorticoid receptor OS=Homo sapiens GN=NR3C1 PE=1 SV=1	0.02 716 1	4.19 542 8	yes
CD2AP_HUMAN	CD2-associated protein OS=Homo sapiens GN=CD2AP PE=1 SV=1	0.00 062 1	4.18 837 5	yes
CT2NL_HUMAN	CTTNBP2 N-terminal-like protein OS=Homo sapiens GN=CTTNBP2NL PE=1 SV=2	7.62 E- 05	4.18 257	yes
WIPI2_HUMAN	WD repeat domain phosphoinositide-interacting protein 2 OS=Homo sapiens OX=9606 GN=WIPI2 PE=1 SV=1	0.03 546 6	4.17 703 4	yes
CKAP5_HUMAN	Cytoskeleton-associated protein 5 OS=Homo sapiens GN=CKAP5 PE=1 SV=3	5.78 E- 06	4.17 700 5	yes
DIAP1_HUMAN	Protein diaphanous homolog 1 OS=Homo sapiens GN=DIAPH1 PE=1 SV=2	2.07 E- 07	4.15 364 4	yes

ATRAP_HUMAN	Type-1 angiotensin II receptor-associated protein OS=Homo sapiens GN=AGTRAP PE=1 SV=1	0.001354	4.149876	yes
NRBP_HUMAN	Nuclear receptor-binding protein OS=Homo sapiens GN=NRBP1 PE=1 SV=1	7.62E-05	4.146243	yes
EPN1_HUMAN	Epsin-1 OS=Homo sapiens OX=9606 GN=EPN1 PE=1 SV=2	0.031182	4.138509	yes
CCDC6_HUMAN	Coiled-coil domain-containing protein 6 OS=Homo sapiens GN=CCDC6 PE=1 SV=2	6.18E-05	4.134093	yes
NBEL2_HUMAN	Neurobeachin-like protein 2 OS=Homo sapiens GN=NBEAL2 PE=1 SV=2	0.00629	4.122282	yes
ZCCHV_HUMAN	Zinc finger CCCH-type antiviral protein 1 OS=Homo sapiens GN=ZC3HAV1 PE=1 SV=3	1.17E-07	4.11216	yes
OSBL8_HUMAN	Oxysterol-binding protein-related protein 8 OS=Homo sapiens GN=OSBPL8 PE=1 SV=3	0.015009	4.107217	yes
PALMD_HUMAN	Palmdelphin OS=Homo sapiens GN=PALMD PE=1 SV=1	0.003457	4.091761	yes
STX12_HUMAN	Syntaxin-12 OS=Homo sapiens GN=STX12 PE=1 SV=1	0.003257	4.07348	yes
APC1_HUMAN	Anaphase-promoting complex subunit 1 OS=Homo sapiens GN=ANAPC1 PE=1 SV=1	0.000115	4.07222	yes
CXA1_HUMAN	Gap junction alpha-1 protein OS=Homo sapiens GN=GJA1 PE=1 SV=2	0.036553	4.068631	yes
CND2_HUMAN	Condensin complex subunit 2 OS=Homo sapiens GN=NCAPH PE=1 SV=3	0.004303	4.065016	yes

GMIP_HUMAN	GEM-interacting protein OS=Homo sapiens OX=9606 GN=GMIP PE=1 SV=2	0.02982	4.053112	yes
ASCC3_HUMAN	Activating signal cointegrator 1 complex subunit 3 OS=Homo sapiens GN=ASCC3 PE=1 SV=3	0.000618	4.044673	yes
APOL2_HUMAN	Apolipoprotein L2 OS=Homo sapiens GN=APOL2 PE=1 SV=1	0.006001	4.043174	yes
F1711_HUMAN	Protein FAM171A1 OS=Homo sapiens GN=FAM171A1 PE=1 SV=1	0.000285	4.018157	yes
SHIP1_HUMAN	Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1 OS=Homo sapiens GN=INPP5D PE=1 SV=2	0.028826	4.017518	yes
VP37A_HUMAN	Vacuolar protein sorting-associated protein 37A OS=Homo sapiens OX=9606 GN=VPS37A PE=1 SV=1	0.02394	3.989786	yes
TANC1_HUMAN	Protein TANC1 OS=Homo sapiens GN=TANC1 PE=1 SV=3	0.00442	3.988757	yes
PTN14_HUMAN	Tyrosine-protein phosphatase non-receptor type 14 OS=Homo sapiens GN=PTPN14 PE=1 SV=2	0.004015	3.979872	yes
ARHGF_HUMAN	Rho guanine nucleotide exchange factor 15 OS=Homo sapiens GN=ARHGEF15 PE=1 SV=4	0.003096	3.966362	yes
ACBD5_HUMAN	Acyl-CoA-binding domain-containing protein 5 OS=Homo sapiens OX=9606 GN=ACBD5 PE=1 SV=1	0.049698	3.955263	yes
TJAP1_HUMAN	Tight junction-associated protein 1 OS=Homo sapiens GN=TJAP1 PE=1 SV=1	1.99E-05	3.953695	yes
IPO9_HUMAN	Importin-9 OS=Homo sapiens GN=IPO9 PE=1 SV=3	0.000369	3.953339	yes

PKN2_HUMAN	Serine/threonine-protein kinase N2 OS=Homo sapiens GN=PKN2 PE=1 SV=1	0.029241	3.948976	yes
PI3R4_HUMAN	Phosphoinositide 3-kinase regulatory subunit 4 OS=Homo sapiens GN=PIK3R4 PE=1 SV=3	0.004317	3.936879	yes
DOCK7_HUMAN	Dedicator of cytokinesis protein 7 OS=Homo sapiens GN=DOCK7 PE=1 SV=4	0.000516	3.929513	yes
MLKL_HUMAN	Mixed lineage kinase domain-like protein OS=Homo sapiens OX=9606 GN=MLKL PE=1 SV=1	0.027105	3.913636	yes
HTR5B_HUMAN	HEAT repeat-containing protein 5B OS=Homo sapiens GN=HEATR5B PE=1 SV=2	0.012113	3.899371	yes
CYFP1_HUMAN	Cytoplasmic FMR1-interacting protein 1 OS=Homo sapiens GN=CYFIP1 PE=1 SV=1	0.028975	3.86799	yes
SNX18_HUMAN	Sorting nexin-18 OS=Homo sapiens GN=SNX18 PE=1 SV=2	0.000909	3.862417	yes
RELB_HUMAN	Transcription factor RelB OS=Homo sapiens OX=9606 GN=RELB PE=1 SV=2	0.026424	3.854865	yes
PTPRK_HUMAN	Receptor-type tyrosine-protein phosphatase kappa OS=Homo sapiens OX=9606 GN=PTPRK PE=1 SV=2	0.0474	3.843409	yes
TBCD4_HUMAN	TBC1 domain family member 4 OS=Homo sapiens GN=TBC1D4 PE=1 SV=2	0.000922	3.839853	yes
UBP25_HUMAN	Ubiquitin carboxyl-terminal hydrolase 25 OS=Homo sapiens GN=USP25 PE=1 SV=4	0.040319	3.831752	yes
SVIL_HUMAN	Supervillin OS=Homo sapiens GN=SVIL PE=1 SV=2	0.000169	3.827031	yes

TSC2_HUMAN	Tuberin OS=Homo sapiens OX=9606 GN=TSC2 PE=1 SV=2	0.00 252 6	3.80 896 2	yes
AKAP2_HUMAN	A-kinase anchor protein 2 OS=Homo sapiens GN=AKAP2 PE=1 SV=3	0.00 022 3	3.80 803 5	yes
TM165_HUMAN	Transmembrane protein 165 OS=Homo sapiens GN=TMEM165 PE=1 SV=1	0.01 276 9	3.80 439	yes
OPTN_HUMAN	Optineurin OS=Homo sapiens GN=OPTN PE=1 SV=2	0.01 148 8	3.78 719 7	yes
RBP2_HUMAN	E3 SUMO-protein ligase RanBP2 OS=Homo sapiens GN=RANBP2 PE=1 SV=2	5.14 E- 06	3.77 336 7	yes
CNOT9_HUMAN	CCR4-NOT transcription complex subunit 9 OS=Homo sapiens OX=9606 GN=CNOT9 PE=1 SV=1	0.02 108 2	3.76 227 2	yes
CARM1_HUMAN	Histone-arginine methyltransferase CARM1 OS=Homo sapiens GN=CARM1 PE=1 SV=3	0.00 351 7	3.75 909 6	yes
TES_HUMAN	Testin OS=Homo sapiens GN=TES PE=1 SV=1	0.00 036 4	3.75 015 7	yes
DNJA2_HUMAN	DnaJ homolog subfamily A member 2 OS=Homo sapiens GN=DNAJA2 PE=1 SV=1	0.00 095 1	3.74 778 6	yes
BIG2_HUMAN	Brefeldin A-inhibited guanine nucleotide-exchange protein 2 OS=Homo sapiens GN=ARFGEF2 PE=1 SV=3	2.21 E- 05	3.74 332 6	yes
PUM1_HUMAN	Pumilio homolog 1 OS=Homo sapiens GN=PUM1 PE=1 SV=3	0.00 450 2	3.74 106 3	yes
SKIV2_HUMAN	Helicase SKI2W OS=Homo sapiens GN=SKIV2L PE=1 SV=3	0.00 116 5	3.73 893 9	yes

TB182_HUMAN	182 kDa tankyrase-1-binding protein OS=Homo sapiens GN=TNKS1BP1 PE=1 SV=4	8.08 E-06	3.73 800 1	yes
SMC1A_HUMAN	Structural maintenance of chromosomes protein 1A OS=Homo sapiens GN=SMC1A PE=1 SV=2	0.00 189 2	3.71 747 3	yes
PSME2_HUMAN	Proteasome activator complex subunit 2 OS=Homo sapiens GN=PSME2 PE=1 SV=4	0.00 141 5	3.71 003 6	yes
NEK9_HUMAN	Serine/threonine-protein kinase Nek9 OS=Homo sapiens GN=NEK9 PE=1 SV=2	6.51 E-05	3.69 76	yes
EXOC1_HUMAN	Exocyst complex component 1 OS=Homo sapiens GN=EXOC1 PE=1 SV=4	0.00 726 2	3.68 108	yes
SC24D_HUMAN	Protein transport protein Sec24D OS=Homo sapiens GN=SEC24D PE=1 SV=2	0.00 048 2	3.68 094 7	yes
CIP2A_HUMAN	Protein CIP2A OS=Homo sapiens OX=9606 GN=CIP2A PE=1 SV=2	0.00 353	3.67 770 2	yes
ACTY_HUMAN	Beta-centractin OS=Homo sapiens GN=ACTR1B PE=1 SV=1	0.00 894 9	3.67 553 4	yes
SHAN3_HUMAN	SH3 and multiple ankyrin repeat domains protein 3 OS=Homo sapiens GN=SHANK3 PE=1 SV=3	0.03 036 5	3.65 862 4	yes
STXB1_HUMAN	Syntaxin-binding protein 1 OS=Homo sapiens GN=STXBP1 PE=1 SV=1	0.02 041 5	3.65 375 8	yes
ARP10_HUMAN	Actin-related protein 10 OS=Homo sapiens GN=ACTR10 PE=1 SV=1	0.00 355 2	3.63 023 9	yes
MYPT1_HUMAN	Protein phosphatase 1 regulatory subunit 12A OS=Homo sapiens GN=PPP1R12A PE=1 SV=1	4.29 E-05	3.62 235 5	yes

SC16A_HUMAN	Protein transport protein Sec16A OS=Homo sapiens GN=SEC16A PE=1 SV=3	0.00 030 8	3.61 750 3	yes
GIT1_HUMAN	ARF GTPase-activating protein GIT1 OS=Homo sapiens GN=GIT1 PE=1 SV=2	0.00 374 5	3.60 005 7	yes
FHOD1_HUMAN	FH1/FH2 domain-containing protein 1 OS=Homo sapiens GN=FHOD1 PE=1 SV=3	0.00 031 6	3.59 742 3	yes
TBC8B_HUMAN	TBC1 domain family member 8B OS=Homo sapiens GN=TBC1D8B PE=1 SV=2	0.00 706 1	3.58 862 3	yes
CSN6_HUMAN	COP9 signalosome complex subunit 6 OS=Homo sapiens GN=COPS6 PE=1 SV=1	0.00 789	3.57 470 3	yes
CRCM_HUMAN	Colorectal mutant cancer protein OS=Homo sapiens GN=MCC PE=1 SV=2	0.00 137 7	3.57 372 2	yes
TUT7_HUMAN	Terminal uridylyltransferase 7 OS=Homo sapiens GN=ZCCHC6 PE=1 SV=1	0.00 154 9	3.56 234 9	yes
FND3B_HUMAN	Fibronectin type III domain-containing protein 3B OS=Homo sapiens GN=FND3B PE=1 SV=2	0.00 358 7	3.56 133 2	yes
ATG9A_HUMAN	Autophagy-related protein 9A OS=Homo sapiens GN=ATG9A PE=1 SV=3	0.03 311 1	3.55 359 9	yes
GTPB1_HUMAN	GTP-binding protein 1 OS=Homo sapiens OX=9606 GN=GTPBP1 PE=1 SV=3	0.00 203 2	3.55 155 5	yes
ZNFX1_HUMAN	NFX1-type zinc finger-containing protein 1 OS=Homo sapiens GN=ZNFX1 PE=2 SV=2	0.00 066 8	3.55 016	yes
GIMA7_HUMAN	GTPase IMAP family member 7 OS=Homo sapiens GN=GIMAP7 PE=1 SV=1	0.01 809 2	3.54 609 2	yes

ARI1_HUMAN	E3 ubiquitin-protein ligase ARIH1 OS=Homo sapiens OX=9606 GN=ARIH1 PE=1 SV=2	0.01 953 6	3.54 408 9	yes
AGM1_HUMAN	Phosphoacetylglucosamine mutase OS=Homo sapiens OX=9606 GN=PGM3 PE=1 SV=1	0.04 953 4	3.53 670 3	yes
SHLB1_HUMAN	Endophilin-B1 OS=Homo sapiens GN=SH3GLB1 PE=1 SV=1	0.01 218 1	3.53 548 9	yes
CSN7B_HUMAN	COP9 signalosome complex subunit 7b OS=Homo sapiens OX=9606 GN=COPS7B PE=1 SV=1	0.01 669	3.52 667 1	yes
SHRM4_HUMAN	Protein Shroom4 OS=Homo sapiens GN=SHROOM4 PE=1 SV=3	0.01 815 8	3.52 531 3	yes
GBP4_HUMAN	Guanylate-binding protein 4 OS=Homo sapiens GN=GBP4 PE=2 SV=2	0.02 241 1	3.51 291 1	yes
COG1_HUMAN	Conserved oligomeric Golgi complex subunit 1 OS=Homo sapiens GN=COG1 PE=1 SV=1	0.04 791 2	3.50 921 4	yes
STAT3_HUMAN	Signal transducer and activator of transcription 3 OS=Homo sapiens GN=STAT3 PE=1 SV=2	0.00 393	3.49 512 3	yes
E2AK4_HUMAN	eIF-2-alpha kinase GCN2 OS=Homo sapiens OX=9606 GN=EIF2AK4 PE=1 SV=3	0.01 599 1	3.48 670 2	yes
UBP10_HUMAN	Ubiquitin carboxyl-terminal hydrolase 10 OS=Homo sapiens GN=USP10 PE=1 SV=2	8.82 E- 05	3.46 251 7	yes
TIE2_HUMAN	Angiopoietin-1 receptor OS=Homo sapiens GN=TEK PE=1 SV=2	0.01 059 9	3.45 797 4	yes
FBLI1_HUMAN	Filamin-binding LIM protein 1 OS=Homo sapiens GN=FBLIM1 PE=1 SV=2	0.00 020 1	3.45 707 3	yes

MAP1A_HUMAN	Microtubule-associated protein 1A OS=Homo sapiens OX=9606 GN=MAP1A PE=1 SV=6	0.03013	3.455092	yes
SYNJ2_HUMAN	Synaptojanin-2 OS=Homo sapiens GN=SYNJ2 PE=1 SV=3	0.000615	3.446798	yes
KPCD2_HUMAN	Serine/threonine-protein kinase D2 OS=Homo sapiens GN=PRKD2 PE=1 SV=2	0.001747	3.445847	yes
DNMBP_HUMAN	Dynamin-binding protein OS=Homo sapiens GN=DNMBP PE=1 SV=1	7.90E-08	3.44382	yes
ANXA7_HUMAN	Annexin A7 OS=Homo sapiens GN=ANXA7 PE=1 SV=3	1.75E-06	3.411313	yes
KPCI_HUMAN	Protein kinase C iota type OS=Homo sapiens OX=9606 GN=PRKCI PE=1 SV=2	0.012207	3.409931	yes
ERG_HUMAN	Transcriptional regulator ERG OS=Homo sapiens GN=ERG PE=1 SV=2	0.019633	3.405113	yes
SACS_HUMAN	Saccin OS=Homo sapiens GN=SACS PE=1 SV=2	0.036419	3.380539	yes
UB2L6_HUMAN	Ubiquitin/ISG15-conjugating enzyme E2 L6 OS=Homo sapiens OX=9606 GN=UBE2L6 PE=1 SV=4	0.012175	3.367098	yes
PRC2B_HUMAN	Protein PRRC2B OS=Homo sapiens GN=PRRC2B PE=1 SV=2	0.049515	3.364597	yes
DC1L1_HUMAN	Cytoplasmic dynein 1 light intermediate chain 1 OS=Homo sapiens GN=DYNC1LI1 PE=1 SV=3	1.40E-06	3.356343	yes
VPS16_HUMAN	Vacuolar protein sorting-associated protein 16 homolog OS=Homo sapiens OX=9606 GN=VPS16 PE=1 SV=2	0.0004	3.353601	yes

NRCA M_HU MAN	Neuronal cell adhesion molecule OS=Homo sapiens GN=NRCAM PE=1 SV=3	0.02 804 4	3.33 439 5	yes
PYRG1 _HUM AN	CTP synthase 1 OS=Homo sapiens GN=CTPS1 PE=1 SV=2	0.00 347 6	3.31 777 4	yes
AKA11 _HUM AN	A-kinase anchor protein 11 OS=Homo sapiens OX=9606 GN=AKAP11 PE=1 SV=1	0.04 882 9	3.31 369 2	yes
USO1_ HUMA N	General vesicular transport factor p115 OS=Homo sapiens GN=USO1 PE=1 SV=2	0.00 072 1	3.30 912 9	yes
UBP15_ HUMA N	Ubiquitin carboxyl-terminal hydrolase 15 OS=Homo sapiens GN=USP15 PE=1 SV=3	0.00 368 8	3.30 900 9	yes
ASAP1 _HUM AN	Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1 OS=Homo sapiens GN=ASAP1 PE=1 SV=4	0.02 334 3	3.30 840 2	yes
WDR11 _HUM AN	WD repeat-containing protein 11 OS=Homo sapiens GN=WDR11 PE=1 SV=1	0.00 130 5	3.30 396 7	yes
ZDH13 _HUM AN	Palmitoyltransferase ZDHHC13 OS=Homo sapiens GN=ZDHHC13 PE=1 SV=3	0.00 423 8	3.30 211 3	yes
ITA2_H UMAN	Integrin alpha-2 OS=Homo sapiens GN=ITGA2 PE=1 SV=1	0.03 621 3	3.30 018 1	yes
PAXI_ HUMA N	Paxillin OS=Homo sapiens GN=PXN PE=1 SV=3	0.00 603 5	3.28 900 3	yes
WFS1_ HUMA N	Wolframin OS=Homo sapiens OX=9606 GN=WFS1 PE=1 SV=2	0.02 080 6	3.28 404	yes
AT2B4_ HUMA N	Plasma membrane calcium-transporting ATPase 4 OS=Homo sapiens OX=9606 GN=ATP2B4 PE=1 SV=2	0.02 175 7	3.28 037 9	yes

ANFY1_HUMAN	Rabankyrin-5 OS=Homo sapiens GN=ANKFY1 PE=1 SV=2	0.000504	3.277315	yes
ANX11_HUMAN	Annexin A11 OS=Homo sapiens GN=ANXA11 PE=1 SV=1	1.27E-07	3.273349	yes
TRIP6_HUMAN	Thyroid receptor-interacting protein 6 OS=Homo sapiens GN=TRIP6 PE=1 SV=3	0.004962	3.270674	yes
KIF1C_HUMAN	Kinesin-like protein KIF1C OS=Homo sapiens OX=9606 GN=KIF1C PE=1 SV=3	0.04425	3.269552	yes
DGKA_HUMAN	Diacylglycerol kinase alpha OS=Homo sapiens GN=DGKA PE=1 SV=3	0.011123	3.267107	yes
SBP2L_HUMAN	Selenocysteine insertion sequence-binding protein 2-like OS=Homo sapiens OX=9606 GN=SECISBP2L PE=1 SV=3	0.04568	3.26244	yes
NEDD4_HUMAN	E3 ubiquitin-protein ligase NEDD4 OS=Homo sapiens GN=NEDD4 PE=1 SV=4	0.008669	3.255339	yes
AMPD2_HUMAN	AMP deaminase 2 OS=Homo sapiens GN=AMPD2 PE=1 SV=2	0.002221	3.252122	yes
AFAP1_HUMAN	Actin filament-associated protein 1 OS=Homo sapiens GN=AFAP1 PE=1 SV=2	0.013147	3.23896	yes
AAPK1_HUMAN	5'-AMP-activated protein kinase catalytic subunit alpha-1 OS=Homo sapiens GN=PRKAA1 PE=1 SV=4	0.016363	3.226205	yes
BICD2_HUMAN	Protein bicaudal D homolog 2 OS=Homo sapiens OX=9606 GN=BICD2 PE=1 SV=1	0.00878	3.220846	yes
ANKL2_HUMAN	Ankyrin repeat and LEM domain-containing protein 2 OS=Homo sapiens OX=9606 GN=ANKLE2 PE=1 SV=4	0.02288	3.211997	yes

LIPB1_HUMAN	Liprin-beta-1 OS=Homo sapiens GN=PPFIBP1 PE=1 SV=2	8.69 E-05	3.17 5996	yes
JAK1_HUMAN	Tyrosine-protein kinase JAK1 OS=Homo sapiens GN=JAK1 PE=1 SV=2	0.00 1558	3.16 0606	yes
ZO2_HUMAN	Tight junction protein ZO-2 OS=Homo sapiens GN=TJP2 PE=1 SV=2	3.17 E-10	3.15 7277	yes
SCFD1_HUMAN	Sec1 family domain-containing protein 1 OS=Homo sapiens GN=SCFD1 PE=1 SV=4	0.00 4558	3.15 304	yes
UBR4_HUMAN	E3 ubiquitin-protein ligase UBR4 OS=Homo sapiens GN=UBR4 PE=1 SV=1	4.66 E-05	3.14 8925	yes
DOCK6_HUMAN	Dedicator of cytokinesis protein 6 OS=Homo sapiens GN=DOCK6 PE=1 SV=3	2.25 E-05	3.14 2073	yes
COG6_HUMAN	Conserved oligomeric Golgi complex subunit 6 OS=Homo sapiens OX=9606 GN=COG6 PE=1 SV=2	0.00 2358	3.14 0957	yes
WDR61_HUMAN	WD repeat-containing protein 61 OS=Homo sapiens GN=WDR61 PE=1 SV=1	0.00 1138	3.13 777	yes
ZO1_HUMAN	Tight junction protein ZO-1 OS=Homo sapiens GN=TJP1 PE=1 SV=3	7.95 E-08	3.13 5628	yes
CE170_HUMAN	Centrosomal protein of 170 kDa OS=Homo sapiens GN=CEP170 PE=1 SV=1	0.00 0113	3.13 4352	yes
HUWE1_HUMAN	E3 ubiquitin-protein ligase HUWE1 OS=Homo sapiens GN=HUWE1 PE=1 SV=3	1.72 E-05	3.13 2904	yes
SMC4_HUMAN	Structural maintenance of chromosomes protein 4 OS=Homo sapiens GN=SMC4 PE=1 SV=2	1.75 E-05	3.12 0667	yes

MTA1_HUMAN	Metastasis-associated protein MTA1 OS=Homo sapiens GN=MTA1 PE=1 SV=2	0.02306	3.117027	yes
SC23A_HUMAN	Protein transport protein Sec23A OS=Homo sapiens GN=SEC23A PE=1 SV=2	0.000508	3.110124	yes
ANR17_HUMAN	Ankyrin repeat domain-containing protein 17 OS=Homo sapiens GN=ANKRD17 PE=1 SV=3	0.049152	3.102161	yes
RAB13_HUMAN	Ras-related protein Rab-13 OS=Homo sapiens GN=RAB13 PE=1 SV=1	0.019251	3.102159	yes
Z3H7B_HUMAN	Zinc finger CCCH domain-containing protein 7B OS=Homo sapiens GN=ZC3H7B PE=1 SV=1	0.00141	3.09876	yes
ITF2_HUMAN	Transcription factor 4 OS=Homo sapiens OX=9606 GN=TCF4 PE=1 SV=3	0.045388	3.096398	yes
ANR52_HUMAN	Serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit C OS=Homo sapiens GN=ANKRD52 PE=1 SV=3	0.021957	3.09204	yes
PLAK_HUMAN	Junction plakoglobin OS=Homo sapiens GN=JUP PE=1 SV=3	0.004032	3.086176	yes
NUMB_HUMAN	Protein numb homolog OS=Homo sapiens GN=NUMB PE=1 SV=2	0.006342	3.082983	yes
UBE3C_HUMAN	Ubiquitin-protein ligase E3C OS=Homo sapiens GN=UBE3C PE=1 SV=3	0.02612	3.070447	yes
TBL2_HUMAN	Transducin beta-like protein 2 OS=Homo sapiens GN=TBL2 PE=1 SV=1	0.013051	3.05806	yes
PUR6_HUMAN	Multifunctional protein ADE2 OS=Homo sapiens GN=PAICS PE=1 SV=3	1.44E-05	3.049092	yes

AAKG1_HUMAN	5'-AMP-activated protein kinase subunit gamma-1 OS=Homo sapiens GN=PRKAG1 PE=1 SV=1	0.014403	3.031809	yes
ITPR3_HUMAN	Inositol 1,4,5-trisphosphate receptor type 3 OS=Homo sapiens GN=ITPR3 PE=1 SV=2	1.99E-07	3.022986	yes
VP33B_HUMAN	Vacuolar protein sorting-associated protein 33B OS=Homo sapiens GN=VPS33B PE=1 SV=2	0.015053	3.002211	yes
DDX60_HUMAN	Probable ATP-dependent RNA helicase DDX60 OS=Homo sapiens GN=DDX60 PE=1 SV=3	0.008404	2.982682	yes
CYFP2_HUMAN	Cytoplasmic FMR1-interacting protein 2 OS=Homo sapiens GN=CYFIP2 PE=1 SV=2	0.004239	2.980521	yes
DPYL3_HUMAN	Dihydropyrimidinase-related protein 3 OS=Homo sapiens GN=DPYSL3 PE=1 SV=1	2.38E-06	2.977115	yes
PLIN3_HUMAN	Perilipin-3 OS=Homo sapiens GN=PLIN3 PE=1 SV=3	0.000129	2.949853	yes
ARHG2_HUMAN	Rho guanine nucleotide exchange factor 2 OS=Homo sapiens GN=ARHGEF2 PE=1 SV=4	0.000207	2.946313	yes
BIRC6_HUMAN	Baculoviral IAP repeat-containing protein 6 OS=Homo sapiens GN=BIRC6 PE=1 SV=2	0.000996	2.945416	yes
SH2D3_HUMAN	SH2 domain-containing protein 3C OS=Homo sapiens OX=9606 GN=SH2D3C PE=1 SV=1	0.003896	2.932081	yes
SPART_HUMAN	Spartin OS=Homo sapiens OX=9606 GN=SPART PE=1 SV=1	0.004873	2.929417	yes
SMG1_HUMAN	Serine/threonine-protein kinase SMG1 OS=Homo sapiens OX=9606 GN=SMG1 PE=1 SV=3	0.033274	2.924525	yes

WDR26_HUMAN	WD repeat-containing protein 26 OS=Homo sapiens OX=9606 GN=WDR26 PE=1 SV=3	0.001361	2.921062	yes
PSME1_HUMAN	Proteasome activator complex subunit 1 OS=Homo sapiens GN=PSME1 PE=1 SV=1	0.004019	2.920875	yes
HMOX2_HUMAN	Heme oxygenase 2 OS=Homo sapiens GN=HMOX2 PE=1 SV=2	0.001383	2.918622	yes
ANR40_HUMAN	Ankyrin repeat domain-containing protein 40 OS=Homo sapiens GN=ANKRD40 PE=1 SV=2	0.020679	2.916732	yes
YJ005_HUMAN	Uncharacterized protein FLJ45252 OS=Homo sapiens PE=2 SV=2	0.000195	2.911723	yes
RTN3_HUMAN	Reticulon-3 OS=Homo sapiens GN=RTN3 PE=1 SV=2	0.016355	2.90905	yes
CMC2_HUMAN	Calcium-binding mitochondrial carrier protein Aralar2 OS=Homo sapiens GN=SLC25A13 PE=1 SV=2	0.018938	2.894915	yes
SNTB2_HUMAN	Beta-2-syntrophin OS=Homo sapiens GN=SNTB2 PE=1 SV=1	9.36E-06	2.890111	yes
BAG5_HUMAN	BAG family molecular chaperone regulator 5 OS=Homo sapiens OX=9606 GN=BAG5 PE=1 SV=1	0.009985	2.88688	yes
RIR1_HUMAN	Ribonucleoside-diphosphate reductase large subunit OS=Homo sapiens GN=RRM1 PE=1 SV=1	3.92E-07	2.884999	yes
EMC3_HUMAN	ER membrane protein complex subunit 3 OS=Homo sapiens GN=EMC3 PE=1 SV=3	0.04484	2.884708	yes
STRN4_HUMAN	Striatin-4 OS=Homo sapiens GN=STRN4 PE=1 SV=2	0.004593	2.880225	yes

GGOB1_HUMAN	Golgin subfamily B member 1 OS=Homo sapiens GN=GOLGB1 PE=1 SV=2	0.008866	2.87748	yes
PIEZ1_HUMAN	Piezo-type mechanosensitive ion channel component 1 OS=Homo sapiens OX=9606 GN=PIEZO1 PE=1 SV=4	0.013855	2.865428	yes
RHG07_HUMAN	Rho GTPase-activating protein 7 OS=Homo sapiens OX=9606 GN=DLC1 PE=1 SV=4	0.04344	2.864569	yes
TBCB_HUMAN	Tubulin-folding cofactor B OS=Homo sapiens OX=9606 GN=TBCB PE=1 SV=2	0.042841	2.855953	yes
COBL1_HUMAN	Cordon-bleu protein-like 1 OS=Homo sapiens GN=COBLL1 PE=1 SV=2	0.044269	2.853283	yes
DDX3Y_HUMAN	ATP-dependent RNA helicase DDX3Y OS=Homo sapiens GN=DDX3Y PE=1 SV=2	0.009314	2.848875	yes
GCN1_HUMAN	eIF-2-alpha kinase activator GCN1 OS=Homo sapiens OX=9606 GN=GCN1 PE=1 SV=6	0.002891	2.84711	yes
SC31A_HUMAN	Protein transport protein Sec31A OS=Homo sapiens GN=SEC31A PE=1 SV=3	0.00063	2.837775	yes
CLCA_HUMAN	Clathrin light chain A OS=Homo sapiens GN=CLTA PE=1 SV=1	4.60E-05	2.833943	yes
LACTB_HUMAN	Serine beta-lactamase-like protein LACTB, mitochondrial OS=Homo sapiens GN=LACTB PE=1 SV=2	0.019898	2.826217	yes
SQSTM_HUMAN	Sequestosome-1 OS=Homo sapiens GN=SQSTM1 PE=1 SV=1	0.009545	2.81717	yes
ITA6_HUMAN	Integrin alpha-6 OS=Homo sapiens GN=ITGA6 PE=1 SV=5	0.035236	2.813372	yes

CTND1_HUMAN	Catenin delta-1 OS=Homo sapiens GN=CTNND1 PE=1 SV=1	9.77E-06	2.811632	yes
YES_HUMAN	Tyrosine-protein kinase Yes OS=Homo sapiens GN=YES1 PE=1 SV=3	0.021222	2.793766	yes
HERC4_HUMAN	Probable E3 ubiquitin-protein ligase HERC4 OS=Homo sapiens GN=HERC4 PE=1 SV=1	0.035912	2.792046	yes
GGYF2_HUMAN	GRB10-interacting GYF protein 2 OS=Homo sapiens OX=9606 GN=GIGYF2 PE=1 SV=1	0.012462	2.789887	yes
GCP2_HUMAN	Gamma-tubulin complex component 2 OS=Homo sapiens OX=9606 GN=TUBGCP2 PE=1 SV=2	0.035631	2.789782	yes
UCRIL_HUMAN	Putative cytochrome b-c1 complex subunit Rieske-like protein 1 OS=Homo sapiens GN=UQCRFS1P1 PE=5 SV=1	0.02824	2.778162	yes
BAG6_HUMAN	Large proline-rich protein BAG6 OS=Homo sapiens GN=BAG6 PE=1 SV=2	0.011853	2.771482	yes
CTNB1_HUMAN	Catenin beta-1 OS=Homo sapiens GN=CTNNB1 PE=1 SV=1	0.000815	2.763462	yes
SH3K1_HUMAN	SH3 domain-containing kinase-binding protein 1 OS=Homo sapiens GN=SH3KBP1 PE=1 SV=2	0.008426	2.7626	yes
NOMO1_HUMAN	Nodal modulator 1 OS=Homo sapiens GN=NOMO1 PE=1 SV=5	0.038195	2.757477	yes
KDIS_HUMAN	Kinase D-interacting substrate of 220 kDa OS=Homo sapiens OX=9606 GN=KIDINS220 PE=1 SV=3	0.023381	2.755476	yes
MTA2_HUMAN	Metastasis-associated protein MTA2 OS=Homo sapiens GN=MTA2 PE=1 SV=1	0.005013	2.74892	yes

UBP8_HUMAN	Ubiquitin carboxyl-terminal hydrolase 8 OS=Homo sapiens GN=USP8 PE=1 SV=1	0.017916	2.744861	yes
TRI65_HUMAN	Tripartite motif-containing protein 65 OS=Homo sapiens OX=9606 GN=TRIM65 PE=1 SV=3	0.03905	2.742236	yes
PGS1_HUMAN	Biglycan OS=Homo sapiens GN=BGN PE=1 SV=2	0.037019	2.733782	yes
VATH_HUMAN	V-type proton ATPase subunit H OS=Homo sapiens GN=ATP6V1H PE=1 SV=1	0.00196	2.717903	yes
PP2BA_HUMAN	Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform OS=Homo sapiens GN=PPP3CA PE=1 SV=1	0.035375	2.711553	yes
PAWR_HUMAN	PRKC apoptosis WT1 regulator protein OS=Homo sapiens GN=PAWR PE=1 SV=1	0.000103	2.708823	yes
SPD2B_HUMAN	SH3 and PX domain-containing protein 2B OS=Homo sapiens GN=SH3PXD2B PE=1 SV=3	0.000208	2.698532	yes
TBC15_HUMAN	TBC1 domain family member 15 OS=Homo sapiens GN=TBC1D15 PE=1 SV=2	0.015892	2.689576	yes
OASL_HUMAN	2'-5'-oligoadenylate synthase-like protein OS=Homo sapiens GN=OASL PE=1 SV=2	0.003487	2.684098	yes
PTPRE_HUMAN	Receptor-type tyrosine-protein phosphatase epsilon OS=Homo sapiens GN=PTPRE PE=1 SV=1	0.032362	2.682828	yes
NU214_HUMAN	Nuclear pore complex protein Nup214 OS=Homo sapiens GN=NUP214 PE=1 SV=2	0.006559	2.678263	yes
TTC37_HUMAN	Tetratricopeptide repeat protein 37 OS=Homo sapiens GN=TTC37 PE=1 SV=1	0.012297	2.670909	yes

STK10_HUMAN	Serine/threonine-protein kinase 10 OS=Homo sapiens GN=STK10 PE=1 SV=1	0.02 239 1	2.66 909 2	yes
NXP20_HUMAN	Protein NOXP20 OS=Homo sapiens GN=FAM114A1 PE=1 SV=2	0.00 937 2	2.66 315 7	yes
VATD_HUMAN	V-type proton ATPase subunit D OS=Homo sapiens OX=9606 GN=ATP6V1D PE=1 SV=1	0.00 352 6	2.66 079 6	yes
RM38_HUMAN	39S ribosomal protein L38, mitochondrial OS=Homo sapiens GN=MRPL38 PE=1 SV=2	0.03 985 2	2.65 862 9	yes
PLCG1_HUMAN	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1 OS=Homo sapiens GN=PLCG1 PE=1 SV=1	0.00 318 7	2.65 498	yes
SYQ_HUMAN	Glutamine--tRNA ligase OS=Homo sapiens GN=QARS PE=1 SV=1	0.00 348 1	2.64 162 6	yes
FUBP3_HUMAN	Far upstream element-binding protein 3 OS=Homo sapiens GN=FUBP3 PE=1 SV=2	0.02 786 3	2.63 878 1	yes
IL6RB_HUMAN	Interleukin-6 receptor subunit beta OS=Homo sapiens GN=IL6ST PE=1 SV=2	0.00 447 1	2.62 695	yes
ESYT2_HUMAN	Extended synaptotagmin-2 OS=Homo sapiens GN=ESYT2 PE=1 SV=1	0.00 289 5	2.62 588 9	yes
DAPK1_HUMAN	Death-associated protein kinase 1 OS=Homo sapiens GN=DAPK1 PE=1 SV=6	0.04 533	2.62 557 8	yes
BAG3_HUMAN	BAG family molecular chaperone regulator 3 OS=Homo sapiens GN=BAG3 PE=1 SV=3	0.00 087 6	2.62 239 4	yes
EXOC7_HUMAN	Exocyst complex component 7 OS=Homo sapiens OX=9606 GN=EXOC7 PE=1 SV=3	0.00 709 4	2.59 663 1	yes

SMAD3_HUMAN	Mothers against decapentaplegic homolog 3 OS=Homo sapiens GN=SMAD3 PE=1 SV=1	0.020988	2.588626	yes
SPTC2_HUMAN	Serine palmitoyltransferase 2 OS=Homo sapiens GN=SPTLC2 PE=1 SV=1	0.000275	2.583911	yes
RSF1_HUMAN	Remodeling and spacing factor 1 OS=Homo sapiens OX=9606 GN=RSF1 PE=1 SV=2	0.035875	2.573226	yes
AGO2_HUMAN	Protein argonaute-2 OS=Homo sapiens GN=AGO2 PE=1 SV=3	0.012154	2.5665	yes
PLS1_HUMAN	Plastin-1 OS=Homo sapiens GN=PLS1 PE=1 SV=2	0.007351	2.559032	yes
SYNPO_HUMAN	Synaptopodin OS=Homo sapiens GN=SYNPO PE=1 SV=2	0.001596	2.555301	yes
ZYX_HUMAN	Zyxin OS=Homo sapiens GN=ZYX PE=1 SV=1	0.000735	2.550122	yes
XPO7_HUMAN	Exportin-7 OS=Homo sapiens GN=XPO7 PE=1 SV=3	0.034776	2.548781	yes
MINK1_HUMAN	Misshapen-like kinase 1 OS=Homo sapiens GN=MINK1 PE=1 SV=2	0.011815	2.543736	yes
TRIP12_HUMAN	E3 ubiquitin-protein ligase TRIP12 OS=Homo sapiens GN=TRIP12 PE=1 SV=1	0.000278	2.543536	yes
ATXN2_HUMAN	Ataxin-2 OS=Homo sapiens GN=ATXN2 PE=1 SV=2	0.004807	2.539583	yes
TMCC3_HUMAN	Transmembrane and coiled-coil domains protein 3 OS=Homo sapiens GN=TMCC3 PE=2 SV=3	0.02009	2.535275	yes

FKB1A_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP1A OS=Homo sapiens GN=FKBP1A PE=1 SV=2	7.18 E-05	2.52 694	yes
MTMR5_HUMAN	Myotubularin-related protein 5 OS=Homo sapiens OX=9606 GN=SBF1 PE=1 SV=4	0.01 158 8	2.52 420 7	yes
PDLI4_HUMAN	PDZ and LIM domain protein 4 OS=Homo sapiens GN=PDLIM4 PE=1 SV=2	0.00 089 1	2.51 832 8	yes
CDK9_HUMAN	Cyclin-dependent kinase 9 OS=Homo sapiens GN=CDK9 PE=1 SV=3	0.01 347 1	2.51 773 3	yes
GLRX3_HUMAN	Glutaredoxin-3 OS=Homo sapiens GN=GLRX3 PE=1 SV=2	0.00 850 5	2.51 578 3	yes
RIN1_HUMAN	Ras and Rab interactor 1 OS=Homo sapiens GN=RIN1 PE=1 SV=4	0.04 263 5	2.51 304 3	yes
KINH_HUMAN	Kinesin-1 heavy chain OS=Homo sapiens GN=KIF5B PE=1 SV=1	8.36 E-09	2.51 241 7	yes
TOR4A_HUMAN	Torsin-4A OS=Homo sapiens OX=9606 GN=TOR4A PE=1 SV=2	0.01 561 8	2.51 109 4	yes
OSBL3_HUMAN	Oxysterol-binding protein-related protein 3 OS=Homo sapiens GN=OSBPL3 PE=1 SV=1	0.00 031 9	2.51 098 7	yes
CAV1_HUMAN	Caveolin-1 OS=Homo sapiens GN=CAV1 PE=1 SV=4	0.00 014 7	2.50 881	yes
BMX_HUMAN	Cytoplasmic tyrosine-protein kinase BMX OS=Homo sapiens GN=BMX PE=1 SV=1	0.02 892	2.50 551 2	yes
NAGK_HUMAN	N-acetyl-D-glucosamine kinase OS=Homo sapiens GN=NAGK PE=1 SV=4	0.00 140 9	2.49 674 2	yes

TOM1_HUMAN	Target of Myb protein 1 OS=Homo sapiens GN=TOM1 PE=1 SV=2	0.02 427 1	2.49 030 1	yes
KANK3_HUMAN	KN motif and ankyrin repeat domain-containing protein 3 OS=Homo sapiens OX=9606 GN=KANK3 PE=1 SV=1	0.03 336 5	2.48 436 1	yes
M4K5_HUMAN	Mitogen-activated protein kinase kinase kinase 5 OS=Homo sapiens OX=9606 GN=MAP4K5 PE=1 SV=2	0.03 405 6	2.46 849 4	yes
DP13A_HUMAN	DCC-interacting protein 13-alpha OS=Homo sapiens GN=APPL1 PE=1 SV=1	0.03 708 9	2.46 791	yes
SORCN_HUMAN	Sorcin OS=Homo sapiens GN=SRI PE=1 SV=1	0.00 426 8	2.45 833 1	yes
STAT1_HUMAN	Signal transducer and activator of transcription 1-alpha/beta OS=Homo sapiens GN=STAT1 PE=1 SV=2	0.00 145 8	2.45 19	yes
RABL6_HUMAN	Rab-like protein 6 OS=Homo sapiens GN=RABL6 PE=1 SV=2	0.03 279 3	2.44 688 5	yes
IPO5_HUMAN	Importin-5 OS=Homo sapiens GN=IPO5 PE=1 SV=4	0.00 315 3	2.44 587 5	yes
UBP47_HUMAN	Ubiquitin carboxyl-terminal hydrolase 47 OS=Homo sapiens GN=USP47 PE=1 SV=3	0.00 696 6	2.44 555 9	yes
PYR1_HUMAN	CAD protein OS=Homo sapiens GN=CAD PE=1 SV=3	2.43 E- 05	2.43 932 3	yes
ESYT1_HUMAN	Extended synaptotagmin-1 OS=Homo sapiens GN=ESYT1 PE=1 SV=1	3.25 E- 05	2.43 840 3	yes
LAMA3_HUMAN	Laminin subunit alpha-3 OS=Homo sapiens OX=9606 GN=LAMA3 PE=1 SV=2	0.04 182	2.42 731 1	yes

AVEN_HUMAN	Cell death regulator Aven OS=Homo sapiens GN=AVEN PE=1 SV=1	0.010156	2.422521	yes
SYAP1_HUMAN	Synapse-associated protein 1 OS=Homo sapiens GN=SYAP1 PE=1 SV=1	0.002746	2.412002	yes
EPIPL_HUMAN	Epiplakin OS=Homo sapiens GN=EPPK1 PE=1 SV=2	0.010631	2.407463	yes
ZCHC8_HUMAN	Zinc finger CCHC domain-containing protein 8 OS=Homo sapiens OX=9606 GN=ZCCHC8 PE=1 SV=2	0.034474	2.406083	yes
FAS_HUMAN	Fatty acid synthase OS=Homo sapiens GN=FASN PE=1 SV=3	1.28E-08	2.40477	yes
PFD6_HUMAN	Prefoldin subunit 6 OS=Homo sapiens OX=9606 GN=PFDN6 PE=1 SV=1	0.038815	2.398675	yes
EIF3J_HUMAN	Eukaryotic translation initiation factor 3 subunit J OS=Homo sapiens GN=EIF3J PE=1 SV=2	0.007269	2.389873	yes
PCH2_HUMAN	Pachytene checkpoint protein 2 homolog OS=Homo sapiens GN=TRIP13 PE=1 SV=2	0.01316	2.389264	yes
OGA_HUMAN	Protein O-GlcNAcase OS=Homo sapiens GN=MGEA5 PE=1 SV=2	0.004331	2.383942	yes
AKA12_HUMAN	A-kinase anchor protein 12 OS=Homo sapiens GN=AKAP12 PE=1 SV=4	1.31E-05	2.381823	yes
HCFC1_HUMAN	Host cell factor 1 OS=Homo sapiens GN=HCFC1 PE=1 SV=2	0.000559	2.37945	yes
FAK1_HUMAN	Focal adhesion kinase 1 OS=Homo sapiens GN=PTK2 PE=1 SV=2	0.014533	2.378365	yes

VP13C_HUMAN	Vacuolar protein sorting-associated protein 13C OS=Homo sapiens GN=VPS13C PE=1 SV=1	0.01 874 6	2.37 280 2	yes
PURA_HUMAN	Transcriptional activator protein Pur-alpha OS=Homo sapiens GN=PURA PE=1 SV=2	0.01 433 1	2.37 235 3	yes
MYO5A_HUMAN	Unconventional myosin-Va OS=Homo sapiens GN=MYO5A PE=1 SV=2	5.23 E- 05	2.36 839 8	yes
ZC11A_HUMAN	Zinc finger CCCH domain-containing protein 11A OS=Homo sapiens OX=9606 GN=ZC3H11A PE=1 SV=3	0.03 138 7	2.36 540 4	yes
GSTO1_HUMAN	Glutathione S-transferase omega-1 OS=Homo sapiens GN=GSTO1 PE=1 SV=2	0.00 286 3	2.35 777 5	yes
UBA6_HUMAN	Ubiquitin-like modifier-activating enzyme 6 OS=Homo sapiens GN=UBA6 PE=1 SV=1	0.00 925 6	2.35 253 7	yes
GEM15_HUMAN	Gem-associated protein 5 OS=Homo sapiens GN=GEMIN5 PE=1 SV=3	0.00 079 2	2.35 101 2	yes
NU155_HUMAN	Nuclear pore complex protein Nup155 OS=Homo sapiens GN=NUP155 PE=1 SV=1	0.01 999 3	2.34 230 7	yes
VRK2_HUMAN	Serine/threonine-protein kinase VRK2 OS=Homo sapiens GN=VRK2 PE=1 SV=3	0.00 731 5	2.33 841 9	yes
FKB15_HUMAN	FK506-binding protein 15 OS=Homo sapiens GN=FKBP15 PE=1 SV=2	0.00 198 8	2.33 091 8	yes
OGFR_HUMAN	Opioid growth factor receptor OS=Homo sapiens GN=OGFR PE=1 SV=3	0.00 277 5	2.31 752 5	yes
MACF1_HUMAN	Microtubule-actin cross-linking factor 1, isoforms 1/2/3/5 OS=Homo sapiens GN=MACF1 PE=1 SV=4	6.83 E- 07	2.31 671 9	yes

LBR_HUMAN	Lamin-B receptor OS=Homo sapiens GN=LBR PE=1 SV=2	0.028438	2.306056	yes
ISG15_HUMAN	Ubiquitin-like protein ISG15 OS=Homo sapiens OX=9606 GN=ISG15 PE=1 SV=5	0.033545	2.306032	yes
SYCC_HUMAN	Cysteine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=CARS PE=1 SV=3	0.012876	2.302327	yes
SNP23_HUMAN	Synaptosomal-associated protein 23 OS=Homo sapiens GN=SNAP23 PE=1 SV=1	0.003928	2.29708	yes
TNPO3_HUMAN	Transportin-3 OS=Homo sapiens OX=9606 GN=TNPO3 PE=1 SV=3	0.013334	2.296242	yes
PRC2A_HUMAN	Protein PRRC2A OS=Homo sapiens GN=PRRC2A PE=1 SV=3	0.002367	2.285525	yes
SYLC_HUMAN	Leucine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=LARS PE=1 SV=2	1.78E-05	2.282458	yes
CAMP2_HUMAN	Calmodulin-regulated spectrin-associated protein 2 OS=Homo sapiens GN=CAMSAP2 PE=1 SV=3	0.01429	2.275567	yes
ATLA3_HUMAN	Atlastin-3 OS=Homo sapiens GN=ATL3 PE=1 SV=1	0.017002	2.269398	yes
DPYL2_HUMAN	Dihydropyrimidinase-related protein 2 OS=Homo sapiens GN=DPYSL2 PE=1 SV=1	0.000155	2.259449	yes
FLNB_HUMAN	Filamin-B OS=Homo sapiens GN=FLNB PE=1 SV=2	2.37E-06	2.259098	yes
CLCB_HUMAN	Clathrin light chain B OS=Homo sapiens GN=CLTB PE=1 SV=1	0.005143	2.258816	yes

PACN2_HUMAN	Protein kinase C and casein kinase substrate in neurons protein 2 OS=Homo sapiens GN=PACSIN2 PE=1 SV=2	0.013119	2.257126	yes
CAVN2_HUMAN	Caveolae-associated protein 2 OS=Homo sapiens OX=9606 GN=CAVIN2 PE=1 SV=3	0.020297	2.256187	yes
KBP_HUMAN	KIF1-binding protein OS=Homo sapiens GN=KIF1BP PE=1 SV=1	0.0483	2.24679	yes
PP6R3_HUMAN	Serine/threonine-protein phosphatase 6 regulatory subunit 3 OS=Homo sapiens GN=PPP6R3 PE=1 SV=2	0.031435	2.245631	yes
MAP1B_HUMAN	Microtubule-associated protein 1B OS=Homo sapiens GN=MAP1B PE=1 SV=2	1.21E-06	2.241344	yes
ACLY_HUMAN	ATP-citrate synthase OS=Homo sapiens GN=ACLY PE=1 SV=3	7.73E-06	2.211019	yes
MAGD2_HUMAN	Melanoma-associated antigen D2 OS=Homo sapiens GN=MAGED2 PE=1 SV=2	0.002412	2.210635	yes
CUL2_HUMAN	Cullin-2 OS=Homo sapiens GN=CUL2 PE=1 SV=2	0.041311	2.209762	yes
CCD50_HUMAN	Coiled-coil domain-containing protein 50 OS=Homo sapiens GN=CCDC50 PE=1 SV=1	0.00608	2.20045	yes
SMC2_HUMAN	Structural maintenance of chromosomes protein 2 OS=Homo sapiens GN=SMC2 PE=1 SV=2	2.79E-05	2.195931	yes
ARHGAP_HUMAN	Rho guanine nucleotide exchange factor 10 OS=Homo sapiens GN=ARHGEF10 PE=1 SV=4	0.020388	2.18558	yes
EMAL3_HUMAN	Echinoderm microtubule-associated protein-like 3 OS=Homo sapiens OX=9606 GN=EML3 PE=1 SV=1	0.016985	2.183761	yes
MEP50_HUMAN	Methylosome protein 50 OS=Homo sapiens GN=WDR77 PE=1 SV=1	0.023243	2.183433	yes

FXR2_HUMAN	Fragile X mental retardation syndrome-related protein 2 OS=Homo sapiens GN=FXR2 PE=1 SV=2	0.047327	2.179973	yes
PFKAM_HUMAN	ATP-dependent 6-phosphofructokinase, muscle type OS=Homo sapiens GN=PFKM PE=1 SV=2	0.013682	2.177829	yes
NUDC1_HUMAN	NudC domain-containing protein 1 OS=Homo sapiens GN=NUDCD1 PE=1 SV=2	0.030811	2.162127	yes
CSK_HUMAN	Tyrosine-protein kinase CSK OS=Homo sapiens GN=CSK PE=1 SV=1	0.005714	2.1394	yes
TLDC1_HUMAN	TLD domain-containing protein 1 OS=Homo sapiens OX=9606 GN=TLDC1 PE=1 SV=2	0.030316	2.133016	yes
PPR18_HUMAN	Phostensin OS=Homo sapiens GN=PPP1R18 PE=1 SV=1	0.004194	2.132669	yes
EDC4_HUMAN	Enhancer of mRNA-decapping protein 4 OS=Homo sapiens GN=EDC4 PE=1 SV=1	0.002445	2.130112	yes
PDC6L_HUMAN	Programmed cell death 6-interacting protein OS=Homo sapiens GN=PDCD6IP PE=1 SV=1	3.54E-05	2.124265	yes
PTX3_HUMAN	Pentraxin-related protein PTX3 OS=Homo sapiens GN=PTX3 PE=1 SV=3	0.007534	2.121475	yes
RPAC1_HUMAN	DNA-directed RNA polymerases I and III subunit RPAC1 OS=Homo sapiens GN=POLR1C PE=1 SV=1	0.02197	2.119349	yes
RHG01_HUMAN	Rho GTPase-activating protein 1 OS=Homo sapiens GN=ARHGAP1 PE=1 SV=1	0.000788	2.115747	yes
PDLI1_HUMAN	PDZ and LIM domain protein 1 OS=Homo sapiens GN=PDLIM1 PE=1 SV=4	0.006599	2.111974	yes

NCKP1_HUMAN	Nck-associated protein 1 OS=Homo sapiens GN=NCKAP1 PE=1 SV=1	0.00123	2.106568	yes
DCTN2_HUMAN	Dynactin subunit 2 OS=Homo sapiens GN=DCTN2 PE=1 SV=4	0.001118	2.103307	yes
SC24C_HUMAN	Protein transport protein Sec24C OS=Homo sapiens GN=SEC24C PE=1 SV=3	0.000247	2.101673	yes
ATF6A_HUMAN	Cyclic AMP-dependent transcription factor ATF-6 alpha OS=Homo sapiens GN=ATF6 PE=1 SV=3	0.028797	2.09185	yes
TERA_HUMAN	Transitional endoplasmic reticulum ATPase OS=Homo sapiens GN=VCP PE=1 SV=4	8.38E-05	2.066794	yes
ATX2L_HUMAN	Ataxin-2-like protein OS=Homo sapiens GN=ATXN2L PE=1 SV=2	0.000208	2.049184	yes
FBX7_HUMAN	F-box only protein 7 OS=Homo sapiens GN=FBXO7 PE=1 SV=1	0.008959	2.046057	yes
STAM2_HUMAN	Signal transducing adapter molecule 2 OS=Homo sapiens GN=STAM2 PE=1 SV=1	0.000838	2.041934	yes
LASP1_HUMAN	LIM and SH3 domain protein 1 OS=Homo sapiens GN=LASP1 PE=1 SV=2	0.002236	2.038818	yes
FLNC_HUMAN	Filamin-C OS=Homo sapiens GN=FLNC PE=1 SV=3	0.000147	2.03504	yes
SRPRA_HUMAN	Signal recognition particle receptor subunit alpha OS=Homo sapiens OX=9606 GN=SRPRA PE=1 SV=2	0.010493	2.034006	yes
EIF3K_HUMAN	Eukaryotic translation initiation factor 3 subunit K OS=Homo sapiens OX=9606 GN=EIF3K PE=1 SV=1	0.035587	2.032722	yes

PUR4_HUMAN	Phosphoribosylformylglycinamide synthase OS=Homo sapiens GN=PFAS PE=1 SV=4	0.01 100 2	2.02 820 3	yes
MARE2_HUMAN	Microtubule-associated protein RP/EB family member 2 OS=Homo sapiens GN=MAPRE2 PE=1 SV=1	3.25 E- 05	2.02 805 9	yes
DLGP5_HUMAN	Disks large-associated protein 5 OS=Homo sapiens GN=DLGAP5 PE=1 SV=2	0.01 291 9	2.02 444	yes
POP1_HUMAN	Ribonucleases P/MRP protein subunit POP1 OS=Homo sapiens GN=POP1 PE=1 SV=2	0.03 864 6	2.02 238 7	yes
EIF3H_HUMAN	Eukaryotic translation initiation factor 3 subunit H OS=Homo sapiens GN=EIF3H PE=1 SV=1	0.00 151 8	2.02 176 1	yes
OPA1_HUMAN	Dynamin-like 120 kDa protein, mitochondrial OS=Homo sapiens OX=9606 GN=OPA1 PE=1 SV=3	0.04 482 3	2.00 338 4	yes
RAIN_HUMAN	Ras-interacting protein 1 OS=Homo sapiens GN=RASIP1 PE=1 SV=1	0.00 040 2	2.00 306 2	yes
CNOT2_HUMAN	CCR4-NOT transcription complex subunit 2 OS=Homo sapiens GN=CNOT2 PE=1 SV=1	0.00 238 2	1.97 999 2	yes
IQGA1_HUMAN	Ras GTPase-activating-like protein IQGAP1 OS=Homo sapiens GN=IQGAP1 PE=1 SV=1	9.49 E- 08	1.97 619 4	yes
OXSR1_HUMAN	Serine/threonine-protein kinase OSR1 OS=Homo sapiens GN=OXSR1 PE=1 SV=1	0.04 121	1.95 798 4	yes
AGFG1_HUMAN	Arf-GAP domain and FG repeat-containing protein 1 OS=Homo sapiens GN=AGFG1 PE=1 SV=2	0.00 548 6	1.95 262	yes
DNJA1_HUMAN	DnaJ homolog subfamily A member 1 OS=Homo sapiens GN=DNAJA1 PE=1 SV=2	0.02 061 7	1.94 866 1	yes

CHRD1_HUMAN	Cysteine and histidine-rich domain-containing protein 1 OS=Homo sapiens GN=CHORDC1 PE=1 SV=2	0.041788	1.944351	yes
LARP4_HUMAN	La-related protein 4 OS=Homo sapiens GN=LARP4 PE=1 SV=3	0.014178	1.942026	yes
APT_HUMAN	Adenine phosphoribosyltransferase OS=Homo sapiens GN=APRT PE=1 SV=2	0.04245	1.940808	yes
PA1B2_HUMAN	Platelet-activating factor acetylhydrolase IB subunit beta OS=Homo sapiens GN=PFAH1B2 PE=1 SV=1	0.016567	1.914665	yes
NXF1_HUMAN	Nuclear RNA export factor 1 OS=Homo sapiens GN=NXF1 PE=1 SV=1	0.005017	1.913687	yes
LTOR1_HUMAN	Ragulator complex protein LAMTOR1 OS=Homo sapiens GN=LAMTOR1 PE=1 SV=2	0.014445	1.895467	yes
NEMF_HUMAN	Nuclear export mediator factor NEMF OS=Homo sapiens GN=NEMF PE=1 SV=4	0.030318	1.894812	yes
CSN4_HUMAN	COP9 signalosome complex subunit 4 OS=Homo sapiens GN=COPS4 PE=1 SV=1	0.015746	1.885069	yes
EIF3G_HUMAN	Eukaryotic translation initiation factor 3 subunit G OS=Homo sapiens GN=EIF3G PE=1 SV=2	0.003207	1.87966	yes
KTN1_HUMAN	Kinectin OS=Homo sapiens GN=KTN1 PE=1 SV=1	0.009817	1.863297	yes
E41L2_HUMAN	Band 4.1-like protein 2 OS=Homo sapiens GN=EPB41L2 PE=1 SV=1	0.021528	1.862215	yes
WASF2_HUMAN	Wiskott-Aldrich syndrome protein family member 2 OS=Homo sapiens GN=WASF2 PE=1 SV=3	0.002262	1.85893	yes

CADH5_HUMAN	Cadherin-5 OS=Homo sapiens GN=CDH5 PE=1 SV=5	0.007571	1.85741	yes
FLNA_HUMAN	Filamin-A OS=Homo sapiens GN=FLNA PE=1 SV=4	3.77E-09	1.852413	yes
ANM1_HUMAN	Protein arginine N-methyltransferase 1 OS=Homo sapiens GN=PRMT1 PE=1 SV=2	0.024705	1.851297	yes
SKP1_HUMAN	S-phase kinase-associated protein 1 OS=Homo sapiens GN=SKP1 PE=1 SV=2	0.045255	1.850399	yes
AIMP1_HUMAN	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 OS=Homo sapiens GN=AIMP1 PE=1 SV=2	0.002147	1.844373	yes
AP3B1_HUMAN	AP-3 complex subunit beta-1 OS=Homo sapiens GN=AP3B1 PE=1 SV=3	0.000593	1.840351	yes
LARP1_HUMAN	La-related protein 1 OS=Homo sapiens GN=LARP1 PE=1 SV=2	0.005511	1.834576	yes
PRC2C_HUMAN	Protein PRRC2C OS=Homo sapiens GN=PRRC2C PE=1 SV=4	0.006791	1.819609	yes
PLCB3_HUMAN	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-3 OS=Homo sapiens GN=PLCB3 PE=1 SV=2	0.001895	1.817945	yes
EIF3E_HUMAN	Eukaryotic translation initiation factor 3 subunit E OS=Homo sapiens GN=EIF3E PE=1 SV=1	0.000247	1.802665	yes
ADDA_HUMAN	Alpha-adducin OS=Homo sapiens GN=ADD1 PE=1 SV=2	0.016392	1.784604	yes
SMD1_HUMAN	Small nuclear ribonucleoprotein Sm D1 OS=Homo sapiens GN=SNRPD1 PE=1 SV=1	0.0025	1.784558	yes

IF4G1_HUMAN	Eukaryotic translation initiation factor 4 gamma 1 OS=Homo sapiens GN=EIF4G1 PE=1 SV=4	0.000154	1.780563	yes
SRC8_HUMAN	Src substrate cortactin OS=Homo sapiens GN=CTTN PE=1 SV=2	0.000386	1.772986	yes
AK17A_HUMAN	A-kinase anchor protein 17A OS=Homo sapiens GN=AKAP17A PE=1 SV=2	0.023948	1.77172	yes
KLC1_HUMAN	Kinesin light chain 1 OS=Homo sapiens GN=KLC1 PE=1 SV=2	0.006414	1.769485	yes
NMD3_HUMAN	60S ribosomal export protein NMD3 OS=Homo sapiens OX=9606 GN=NMD3 PE=1 SV=1	0.042483	1.768531	yes
CLH1_HUMAN	Clathrin heavy chain 1 OS=Homo sapiens GN=CLTC PE=1 SV=5	5.84E-07	1.765459	yes
CSRP1_HUMAN	Cysteine and glycine-rich protein 1 OS=Homo sapiens GN=CSRP1 PE=1 SV=3	0.021527	1.765264	yes
KI67_HUMAN	Antigen KI-67 OS=Homo sapiens GN=MKI67 PE=1 SV=2	0.022941	1.763218	yes
UGPA_HUMAN	UTP--glucose-1-phosphate uridylyltransferase OS=Homo sapiens GN=UGP2 PE=1 SV=5	0.022371	1.762907	yes
CCPG1_HUMAN	Cell cycle progression protein 1 OS=Homo sapiens GN=CCPG1 PE=1 SV=3	0.043033	1.753888	yes
AASD1_HUMAN	Alanyl-tRNA editing protein Aarsd1 OS=Homo sapiens GN=AARSD1 PE=1 SV=2	0.027742	1.752153	yes
VINC_HUMAN	Vinculin OS=Homo sapiens GN=VCL PE=1 SV=4	0.005387	1.734705	yes

TECR_HUMAN	Very-long-chain enoyl-CoA reductase OS=Homo sapiens GN=TECR PE=1 SV=1	0.04 263 5	1.72 962 6	yes
PDLI5_HUMAN	PDZ and LIM domain protein 5 OS=Homo sapiens GN=PDLIM5 PE=1 SV=5	2.04 E- 05	1.72 357 4	yes
GFPT1_HUMAN	Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1 OS=Homo sapiens GN=GFPT1 PE=1 SV=3	0.00 56	1.71 519 8	yes
ICAL_HUMAN	Calpastatin OS=Homo sapiens GN=CAST PE=1 SV=4	7.05 E- 05	1.71 322 2	yes
UBP2L_HUMAN	Ubiquitin-associated protein 2-like OS=Homo sapiens GN=UBAP2L PE=1 SV=2	0.00 013 9	1.71 155 3	yes
CORO7_HUMAN	Coronin-7 OS=Homo sapiens GN=CORO7 PE=1 SV=2	0.01 325 5	1.70 710 9	yes
RAB6A_HUMAN	Ras-related protein Rab-6A OS=Homo sapiens GN=RAB6A PE=1 SV=3	0.00 495 5	1.70 477 8	yes
STRAP_HUMAN	Serine-threonine kinase receptor-associated protein OS=Homo sapiens GN=STRAP PE=1 SV=1	0.00 232 3	1.69 235 5	yes
DYHC1_HUMAN	Cytoplasmic dynein 1 heavy chain 1 OS=Homo sapiens GN=DYNC1H1 PE=1 SV=5	4.12 E- 07	1.69 009 7	yes
IF4G2_HUMAN	Eukaryotic translation initiation factor 4 gamma 2 OS=Homo sapiens GN=EIF4G2 PE=1 SV=1	0.03 127 6	1.69 007	yes
SRPRB_HUMAN	Signal recognition particle receptor subunit beta OS=Homo sapiens GN=SRPRB PE=1 SV=3	0.00 632 3	1.68 276 6	yes
MYO1E_HUMAN	Unconventional myosin-Ie OS=Homo sapiens GN=MYO1E PE=1 SV=2	0.01 375 3	1.67 664 3	yes

PESC_HUMAN	Pescadillo homolog OS=Homo sapiens GN=PES1 PE=1 SV=1	0.04 012 9	1.66 870 9	yes
CNN2_HUMAN	Calponin-2 OS=Homo sapiens GN=CNN2 PE=1 SV=4	0.00 107 1	1.66 688 9	yes
CDC37_HUMAN	Hsp90 co-chaperone Cdc37 OS=Homo sapiens GN=CDC37 PE=1 SV=1	0.00 502 6	1.66 531 7	yes
NU205_HUMAN	Nuclear pore complex protein Nup205 OS=Homo sapiens GN=NUP205 PE=1 SV=3	0.01 297	1.65 814 6	yes
SRPK1_HUMAN	SRSF protein kinase 1 OS=Homo sapiens GN=SRPK1 PE=1 SV=2	0.00 200 3	1.65 613 3	yes
GIMA4_HUMAN	GTPase IMAP family member 4 OS=Homo sapiens GN=GIMAP4 PE=1 SV=1	0.01 871 5	1.64 571 7	yes
LDHA_HUMAN	L-lactate dehydrogenase A chain OS=Homo sapiens GN=LDHA PE=1 SV=2	0.00 209 1	1.64 424 8	yes
RAI14_HUMAN	Ankyrin OS=Homo sapiens GN=RAI14 PE=1 SV=2	0.00 075	1.64 026 5	yes
GLGB_HUMAN	1,4-alpha-glucan-branching enzyme OS=Homo sapiens GN=GBE1 PE=1 SV=3	0.00 330 9	1.64 018 8	yes
DYSF_HUMAN	Dysferlin OS=Homo sapiens GN=DYSF PE=1 SV=1	0.00 022 9	1.63 886 5	yes
LDHB_HUMAN	L-lactate dehydrogenase B chain OS=Homo sapiens GN=LDHB PE=1 SV=2	0.01 277 3	1.63 483 2	yes
MYOF_HUMAN	Myoferlin OS=Homo sapiens GN=MYOF PE=1 SV=1	5.52 E- 05	1.62 448 3	yes

SYIC_HUMAN	Isoleucine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=IARS PE=1 SV=2	0.001825	1.621159	yes
RALA_HUMAN	Ras-related protein Ral-A OS=Homo sapiens GN=RALA PE=1 SV=1	0.026137	1.617826	yes
HSP74_HUMAN	Heat shock 70 kDa protein 4 OS=Homo sapiens GN=HSPA4 PE=1 SV=4	0.013626	1.617624	yes
SYMC_HUMAN	Methionine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=MARS PE=1 SV=2	0.000118	1.615564	yes
C1QBP_HUMAN	Complement component 1 Q subcomponent-binding protein, mitochondrial OS=Homo sapiens GN=C1QBP PE=1 SV=1	0.021726	1.585329	yes
IMA4_HUMAN	Importin subunit alpha-4 OS=Homo sapiens GN=KPNA3 PE=1 SV=2	0.029615	1.579206	yes
SLFN5_HUMAN	Schlafen family member 5 OS=Homo sapiens GN=SLFN5 PE=1 SV=1	0.007163	1.567695	yes
VIGLN_HUMAN	Vigilin OS=Homo sapiens GN=HDLBP PE=1 SV=2	5.21E-05	1.566509	yes
ILK_HUMAN	Integrin-linked protein kinase OS=Homo sapiens GN=ILK PE=1 SV=2	0.002023	1.560204	yes
FXR1_HUMAN	Fragile X mental retardation syndrome-related protein 1 OS=Homo sapiens GN=FXR1 PE=1 SV=3	6.70E-05	1.550915	yes
VDAC2_HUMAN	Voltage-dependent anion-selective channel protein 2 OS=Homo sapiens GN=VDAC2 PE=1 SV=2	0.011894	1.547292	yes
NUFP2_HUMAN	Nuclear fragile X mental retardation-interacting protein 2 OS=Homo sapiens GN=NUFIP2 PE=1 SV=1	0.003334	1.545003	yes

AP3D1_HUMAN	AP-3 complex subunit delta-1 OS=Homo sapiens GN=AP3D1 PE=1 SV=1	0.02 397	1.54 429 1	yes
PYGB_HUMAN	Glycogen phosphorylase, brain form OS=Homo sapiens GN=PYGB PE=1 SV=5	0.00 225 3	1.54 312 5	yes
EIF3L_HUMAN	Eukaryotic translation initiation factor 3 subunit L OS=Homo sapiens GN=EIF3L PE=1 SV=1	0.00 485 7	1.53 524 7	yes
LUZP1_HUMAN	Leucine zipper protein 1 OS=Homo sapiens GN=LUZP1 PE=1 SV=2	0.00 089 6	1.53 117 2	yes
PDS5A_HUMAN	Sister chromatid cohesion protein PDS5 homolog A OS=Homo sapiens GN=PDS5A PE=1 SV=1	0.01 504 8	1.52 977 9	yes
CAPR1_HUMAN	Caprin-1 OS=Homo sapiens GN=CAPRIN1 PE=1 SV=2	0.04 048 5	1.52 969 7	yes
ECE1_HUMAN	Endothelin-converting enzyme 1 OS=Homo sapiens GN=ECE1 PE=1 SV=2	0.02 508 2	1.52 517 5	yes
PRS10_HUMAN	26S protease regulatory subunit 10B OS=Homo sapiens GN=PSMC6 PE=1 SV=1	0.00 921 7	1.52 109 5	yes
COPB_HUMAN	Coatomer subunit beta OS=Homo sapiens GN=COPB1 PE=1 SV=3	1.05 E- 06	1.51 772 4	yes
F120A_HUMAN	Constitutive coactivator of PPAR-gamma-like protein 1 OS=Homo sapiens GN=FAM120A PE=1 SV=2	0.00 526 2	1.51 450 6	yes
TARA_HUMAN	TRIO and F-actin-binding protein OS=Homo sapiens GN=TRIOBP PE=1 SV=3	0.00 648 8	1.51 448 6	yes
EIF3D_HUMAN	Eukaryotic translation initiation factor 3 subunit D OS=Homo sapiens GN=EIF3D PE=1 SV=1	0.00 112 5	1.49 293 2	yes

AP3M1_HUMAN	AP-3 complex subunit mu-1 OS=Homo sapiens GN=AP3M1 PE=1 SV=1	0.021246	1.472438	yes
VATA_HUMAN	V-type proton ATPase catalytic subunit A OS=Homo sapiens GN=ATP6V1A PE=1 SV=2	0.015621	1.467865	yes
EIF3A_HUMAN	Eukaryotic translation initiation factor 3 subunit A OS=Homo sapiens GN=EIF3A PE=1 SV=1	0.002596	1.458212	yes
NUDC_HUMAN	Nuclear migration protein nudC OS=Homo sapiens GN=NUDC PE=1 SV=1	0.007772	1.446552	yes
OTUB1_HUMAN	Ubiquitin thioesterase OTUB1 OS=Homo sapiens GN=OTUB1 PE=1 SV=2	0.037021	1.445625	yes
PURA2_HUMAN	Adenylosuccinate synthetase isozyme 2 OS=Homo sapiens GN=ADSS PE=1 SV=3	0.009641	1.444994	yes
SYEP_HUMAN	Bifunctional glutamate/proline--tRNA ligase OS=Homo sapiens GN=EPRS PE=1 SV=5	0.000398	1.441501	yes
PCBP2_HUMAN	Poly(rC)-binding protein 2 OS=Homo sapiens GN=PCBP2 PE=1 SV=1	0.03785	1.431839	yes
RUVB1_HUMAN	RuvB-like 1 OS=Homo sapiens GN=RUVBL1 PE=1 SV=1	0.009654	1.418398	yes
RUVB2_HUMAN	RuvB-like 2 OS=Homo sapiens GN=RUVBL2 PE=1 SV=3	0.006325	1.416374	yes
NOS3_HUMAN	Nitric oxide synthase, endothelial OS=Homo sapiens GN=NOS3 PE=1 SV=3	0.00055	1.416211	yes
CAND1_HUMAN	Cullin-associated NEDD8-dissociated protein 1 OS=Homo sapiens GN=CAND1 PE=1 SV=2	0.004883	1.414769	yes

SEPT8_ HUMAN	Septin-8 OS=Homo sapiens GN=SEPT8 PE=1 SV=4	0.03 790 5	1.41 116 1	yes
SYRC_ HUMAN	Arginine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=RARS PE=1 SV=2	0.00 134 4	1.39 553 7	yes
PLPL6_ HUMAN	Neuropathy target esterase OS=Homo sapiens GN=PNPLA6 PE=1 SV=2	0.02 971 5	1.36 738 1	yes
LRRF1_ HUMAN	Leucine-rich repeat flightless-interacting protein 1 OS=Homo sapiens GN=LRRFIP1 PE=1 SV=2	0.00 349	1.36 509 3	yes
RTCB_ HUMAN	tRNA-splicing ligase RtcB homolog OS=Homo sapiens GN=RTCB PE=1 SV=1	5.41 E- 07	1.34 778 1	yes
PTN1_ HUMAN	Tyrosine-protein phosphatase non-receptor type 1 OS=Homo sapiens GN=PTPN1 PE=1 SV=1	0.01 894 6	1.34 268 6	yes
CTNA1 _HUMAN	Catenin alpha-1 OS=Homo sapiens GN=CTNNA1 PE=1 SV=1	0.01 153 9	1.33 868 4	yes
HS105_ HUMAN	Heat shock protein 105 kDa OS=Homo sapiens GN=HSPH1 PE=1 SV=1	0.02 570 6	1.33 424 2	yes
PGAM5 _HUMAN	Serine/threonine-protein phosphatase PGAM5, mitochondrial OS=Homo sapiens GN=PGAM5 PE=1 SV=2	0.01 490 9	1.33 242 2	yes
SAHH_ HUMAN	Adenosylhomocysteinase OS=Homo sapiens GN=AHCY PE=1 SV=4	0.00 731 5	1.30 900 4	yes
PUR2_ HUMAN	Trifunctional purine biosynthetic protein adenosine-3 OS=Homo sapiens GN=GART PE=1 SV=1	0.01 468	1.30 877 2	yes
BCAT1 _HUMAN	Branched-chain-amino-acid aminotransferase, cytosolic OS=Homo sapiens GN=BCAT1 PE=1 SV=3	0.00 689 2	1.26 837	yes

E41L3_ HUMAN	Band 4.1-like protein 3 OS=Homo sapiens GN=EPB41L3 PE=1 SV=2	0.02 788 3	1.26 368 5	yes
AT1A1_ HUMAN	Sodium/potassium-transporting ATPase subunit alpha-1 OS=Homo sapiens GN=ATP1A1 PE=1 SV=1	0.03 017 8	1.25 498 1	yes
SRRM1_ HUMAN	Serine/arginine repetitive matrix protein 1 OS=Homo sapiens GN=SRRM1 PE=1 SV=2	0.01 530 9	1.25 360 1	yes
ARFG2_ HUMAN	ADP-ribosylation factor GTPase-activating protein 2 OS=Homo sapiens GN=ARFGAP2 PE=1 SV=1	0.04 826 9	1.23 435 3	yes
ZN185_ HUMAN	Zinc finger protein 185 OS=Homo sapiens GN=ZNF185 PE=1 SV=3	0.00 068 8	1.21 782 3	yes
SYAC_ HUMAN	Alanine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=AARS PE=1 SV=2	0.00 902 8	1.20 918	yes
LMO7_ HUMAN	LIM domain only protein 7 OS=Homo sapiens GN=LMO7 PE=1 SV=3	0.01 715 3	1.19 342 8	yes
UBAP2_ HUMAN	Ubiquitin-associated protein 2 OS=Homo sapiens GN=UBAP2 PE=1 SV=1	0.03 356	1.19 273 1	yes
CSK21_ HUMAN	Casein kinase II subunit alpha OS=Homo sapiens GN=CSNK2A1 PE=1 SV=1	0.03 582 5	1.18 575 9	yes
XPO1_ HUMAN	Exportin-1 OS=Homo sapiens GN=XPO1 PE=1 SV=1	0.03 176 8	1.15 562 1	yes
PCBP1_ HUMAN	Poly(rC)-binding protein 1 OS=Homo sapiens GN=PCBP1 PE=1 SV=2	0.02 677 7	1.15 41	yes
GSH0_ HUMAN	Glutamate--cysteine ligase regulatory subunit OS=Homo sapiens GN=GCLM PE=1 SV=1	0.02 848 4	1.15 344 8	yes

PRS4_HUMAN	26S protease regulatory subunit 4 OS=Homo sapiens GN=PSMC1 PE=1 SV=1	0.028048	1.152594	yes
PRS6A_HUMAN	26S protease regulatory subunit 6A OS=Homo sapiens GN=PSMC3 PE=1 SV=3	0.032827	1.151839	yes
EIF3B_HUMAN	Eukaryotic translation initiation factor 3 subunit B OS=Homo sapiens GN=EIF3B PE=1 SV=3	0.010249	1.143336	yes
FLII_HUMAN	Protein flightless-1 homolog OS=Homo sapiens GN=FLII PE=1 SV=2	0.014789	1.11434	yes
IMB1_HUMAN	Importin subunit beta-1 OS=Homo sapiens GN=KPNB1 PE=1 SV=2	0.020594	1.110712	yes
GUAA_HUMAN	GMP synthase [glutamine-hydrolyzing] OS=Homo sapiens GN=GMPS PE=1 SV=1	0.034626	1.095985	yes
NUP93_HUMAN	Nuclear pore complex protein Nup93 OS=Homo sapiens GN=NUP93 PE=1 SV=2	0.027665	1.093183	yes
SYDC_HUMAN	Aspartate--tRNA ligase, cytoplasmic OS=Homo sapiens GN=DARS PE=1 SV=2	0.00765	1.091848	yes
NSF_HUMAN	Vesicle-fusing ATPase OS=Homo sapiens GN=NSF PE=1 SV=3	0.048629	1.051712	yes
MAP4_HUMAN	Microtubule-associated protein 4 OS=Homo sapiens GN=MAP4 PE=1 SV=3	0.001788	1.051539	yes
VASP_HUMAN	Vasodilator-stimulated phosphoprotein OS=Homo sapiens GN=VASP PE=1 SV=3	0.031837	1.050609	yes
TLN1_HUMAN	Talin-1 OS=Homo sapiens GN=TLN1 PE=1 SV=3	0.001685	1.021246	yes

TWF1_HUMAN	Twinfilin-1 OS=Homo sapiens GN=TWF1 PE=1 SV=3	0.005628	1.017387	yes
AT2A2_HUMAN	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 OS=Homo sapiens GN=ATP2A2 PE=1 SV=1	0.000464	1.013873	yes
SC22B_HUMAN	Vesicle-trafficking protein SEC22b OS=Homo sapiens GN=SEC22B PE=1 SV=4	0.019614	1.007987	yes
MARCS_HUMAN	Myristoylated alanine-rich C-kinase substrate OS=Homo sapiens GN=MARCKS PE=1 SV=4	0.017058	1.005444	yes
RBM25_HUMAN	RNA-binding protein 25 OS=Homo sapiens GN=RBM25 PE=1 SV=3	0.049409	1.002578	yes
TRI25_HUMAN	E3 ubiquitin/ISG15 ligase TRIM25 OS=Homo sapiens GN=TRIM25 PE=1 SV=2	0.016137	0.983977	yes
PICAL_HUMAN	Phosphatidylinositol-binding clathrin assembly protein OS=Homo sapiens GN=PICALM PE=1 SV=2	0.016902	0.971835	yes
COPE_HUMAN	Coatomer subunit epsilon OS=Homo sapiens GN=COPE PE=1 SV=3	0.041045	0.93122	yes
COPA_HUMAN	Coatomer subunit alpha OS=Homo sapiens GN=COPA PE=1 SV=2	0.01059	0.930382	yes
IF4B_HUMAN	Eukaryotic translation initiation factor 4B OS=Homo sapiens GN=EIF4B PE=1 SV=2	0.048899	0.923116	yes
PABP1_HUMAN	Polyadenylate-binding protein 1 OS=Homo sapiens GN=PABPC1 PE=1 SV=2	0.030938	0.894561	yes
RAN_HUMAN	GTP-binding nuclear protein Ran OS=Homo sapiens GN=RAN PE=1 SV=3	0.023952	0.867749	yes

CSDE1_HUMAN	Cold shock domain-containing protein E1 OS=Homo sapiens GN=CSDE1 PE=1 SV=2	0.04 414	0.84 130 3	yes
RTN4_HUMAN	Reticulon-4 OS=Homo sapiens GN=RTN4 PE=1 SV=2	0.04 833	0.83 492 2	yes
PRS8_HUMAN	26S protease regulatory subunit 8 OS=Homo sapiens GN=PSMC5 PE=1 SV=1	0.00 254 4	0.81 566 8	yes
AHNK_HUMAN	Neuroblast differentiation-associated protein AHNAK OS=Homo sapiens GN=AHNAK PE=1 SV=2	0.00 766	0.78 267 1	yes
STOM_HUMAN	Erythrocyte band 7 integral membrane protein OS=Homo sapiens GN=STOM PE=1 SV=3	0.01 076 6	0.77 303 3	yes
PLEC_HUMAN	Plectin OS=Homo sapiens GN=PLEC PE=1 SV=3	0.01 284	0.70 012 5	yes
PRKDC_HUMAN	DNA-dependent protein kinase catalytic subunit OS=Homo sapiens GN=PRKDC PE=1 SV=3	0.00 064 2	0.69 267 4	yes
CAPZB_HUMAN	F-actin-capping protein subunit beta OS=Homo sapiens GN=CAPZB PE=1 SV=4	0.03 133 9	0.58 049 3	yes
TCPB_HUMAN	T-complex protein 1 subunit beta OS=Homo sapiens GN=CCT2 PE=1 SV=4	0.04 093 6	0.57 325	yes
IF2P_HUMAN	Eukaryotic translation initiation factor 5B OS=Homo sapiens GN=EIF5B PE=1 SV=4	0.03 292 9	0.44 902 9	yes
ARC1B_HUMAN	Actin-related protein 2/3 complex subunit 1B OS=Homo sapiens GN=ARPC1B PE=1 SV=3	0.00 608 2	- 0.72 734	yes
PARP1_HUMAN	Poly [ADP-ribose] polymerase 1 OS=Homo sapiens GN=PARP1 PE=1 SV=4	0.00 228 6	- 0.80 036	yes

P5CS_HUMAN	Delta-1-pyrroline-5-carboxylate synthase OS=Homo sapiens GN=ALDH18A1 PE=1 SV=2	0.042596	-0.88136	yes
PCCB_HUMAN	Propionyl-CoA carboxylase beta chain, mitochondrial OS=Homo sapiens GN=PCCB PE=1 SV=3	0.037535	-0.8989	yes
PTMA_HUMAN	Prothymosin alpha OS=Homo sapiens GN=PTMA PE=1 SV=2	0.047205	-0.97003	yes
K22E_HUMAN	Keratin, type II cytoskeletal 2 epidermal OS=Homo sapiens GN=KRT2 PE=1 SV=2	0.037387	-1.0406	yes
RS25_HUMAN	40S ribosomal protein S25 OS=Homo sapiens GN=RPS25 PE=1 SV=1	0.01066	-1.15697	yes
THIL_HUMAN	Acetyl-CoA acetyltransferase, mitochondrial OS=Homo sapiens GN=ACAT1 PE=1 SV=1	0.023832	-1.16999	yes
RL36_HUMAN	60S ribosomal protein L36 OS=Homo sapiens GN=RPL36 PE=1 SV=3	0.022267	-1.2366	yes
ODPB_HUMAN	Pyruvate dehydrogenase E1 component subunit beta, mitochondrial OS=Homo sapiens GN=PDHB PE=1 SV=3	0.040891	-1.28185	yes
PSIP1_HUMAN	PC4 and SFRS1-interacting protein OS=Homo sapiens GN=PSIP1 PE=1 SV=1	0.036469	-1.47606	yes
RL30_HUMAN	60S ribosomal protein L30 OS=Homo sapiens GN=RPL30 PE=1 SV=2	0.011523	-1.48467	yes
K1C9_HUMAN	Keratin, type I cytoskeletal 9 OS=Homo sapiens GN=KRT9 PE=1 SV=3	0.012501	-1.51132	yes
RBMX_HUMAN	RNA-binding motif protein, X chromosome OS=Homo sapiens GN=RBMX PE=1 SV=3	0.000576	-1.55179	yes

K2C6B_HUMAN	Keratin, type II cytoskeletal 6B OS=Homo sapiens GN=KRT6B PE=1 SV=5	0.04 269 2	- 1.58 029	yes
SF3A3_HUMAN	Splicing factor 3A subunit 3 OS=Homo sapiens GN=SF3A3 PE=1 SV=1	0.03 181	- 1.63 523	yes
NOC3L_HUMAN	Nucleolar complex protein 3 homolog OS=Homo sapiens GN=NOC3L PE=1 SV=1	0.03 954	- 1.63 687	yes
SF3A1_HUMAN	Splicing factor 3A subunit 1 OS=Homo sapiens GN=SF3A1 PE=1 SV=1	0.03 645 9	- 1.71 757	yes
SRSF6_HUMAN	Serine/arginine-rich splicing factor 6 OS=Homo sapiens GN=SRSF6 PE=1 SV=2	0.03 562 1	- 1.98 86	yes
DENR_HUMAN	Density-regulated protein OS=Homo sapiens GN=DENR PE=1 SV=2	0.04 755 1	- 2.10 061	yes
ETFB_HUMAN	Electron transfer flavoprotein subunit beta OS=Homo sapiens GN=ETFB PE=1 SV=3	0.04 413 1	- 2.29 787	yes
ODP2_HUMAN	Dihydropyridyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial OS=Homo sapiens GN=DLAT PE=1 SV=3	0.00 804 1	- 2.39 405	yes
CATZ_HUMAN	Cathepsin Z OS=Homo sapiens GN=CTSZ PE=1 SV=1	0.01 186 3	- 3.22 418	yes
EXOS6_HUMAN	Exosome complex component MTR3 OS=Homo sapiens GN=EXOSC6 PE=1 SV=1	0.01 576 2	- 3.29 137	yes
PSMD5_HUMAN	26S proteasome non-ATPase regulatory subunit 5 OS=Homo sapiens GN=PSMD5 PE=1 SV=3	0.00 216 5	6.90 612 4	yes
TAOK2_HUMAN	Serine/threonine-protein kinase TAO2 OS=Homo sapiens GN=TAOK2 PE=1 SV=2	0.04 391 2	5.84 478 5	yes

SH3B4_HUMAN	SH3 domain-binding protein 4 OS=Homo sapiens GN=SH3BP4 PE=1 SV=1	0.00 492	5.81 444 9	yes
PSMD9_HUMAN	26S proteasome non-ATPase regulatory subunit 9 OS=Homo sapiens OX=9606 GN=PSMD9 PE=1 SV=3	0.03 895	5.61 910 4	yes
EP15R_HUMAN	Epidermal growth factor receptor substrate 15-like 1 OS=Homo sapiens GN=EPS15L1 PE=1 SV=1	0.00 635 4	5.54 983 1	yes
TACC1_HUMAN	Transforming acidic coiled-coil-containing protein 1 OS=Homo sapiens GN=TACC1 PE=1 SV=2	1.31 E- 05	5.27 112	yes
ITPR2_HUMAN	Inositol 1,4,5-trisphosphate receptor type 2 OS=Homo sapiens GN=ITPR2 PE=1 SV=2	0.00 886 7	4.60 634 6	yes
RIPR1_HUMAN	Rho family-interacting cell polarization regulator 1 OS=Homo sapiens OX=9606 GN=RIPOR1 PE=1 SV=1	0.00 426 1	3.57 493 2	yes
SPTC1_HUMAN	Serine palmitoyltransferase 1 OS=Homo sapiens GN=SPTLC1 PE=1 SV=1	0.00 677 4	2.46 651 6	yes
SPAG5_HUMAN	Sperm-associated antigen 5 OS=Homo sapiens GN=SPAG5 PE=1 SV=2	0.03 537 2	2.42 674 3	yes
RAB32_HUMAN	Ras-related protein Rab-32 OS=Homo sapiens GN=RAB32 PE=1 SV=3	0.01 921 2	2.05 943 9	yes
HCLS1_HUMAN	Hematopoietic lineage cell-specific protein OS=Homo sapiens GN=HCLS1 PE=1 SV=3	0.00 030 3	2.01 735 9	yes
UBP7_HUMAN	Ubiquitin carboxyl-terminal hydrolase 7 OS=Homo sapiens GN=USP7 PE=1 SV=2	0.02 645 6	1.80 651	yes
IMDH2_HUMAN	Inosine-5'-monophosphate dehydrogenase 2 OS=Homo sapiens GN=IMPDH2 PE=1 SV=2	0.00 131 9	1.24 288 2	yes

SNTB1 _HUM AN	Beta-1-syntrophin OS=Homo sapiens OX=9606 GN=SNTB1 PE=1 SV=3	0.01 893 6	- 3.53 936	yes
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Table S2. Full list of proteins identified by Rab27a-eGFP-APEX2 proximity in PMA stimulated endothelial cells

Acc	Prot Name	p value	fold (log ₂ scale)	Significant
TRIPB_HUMAN	Thyroid receptor-interacting protein 11 OS=Homo sapiens GN=TRIP11 PE=1 SV=3	0.042213	7.699202	Yes
GOGA5_HUMAN	Golgin subfamily A member 5 OS=Homo sapiens GN=GOLGA5 PE=1 SV=3	0.004977	7.188816	Yes
GCP60_HUMAN	Golgi resident protein GCP60 OS=Homo sapiens GN=ACBD3 PE=1 SV=4	0.002175	7.119207	Yes
PLCG1_HUMAN	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1 OS=Homo sapiens GN=PLCG1 PE=1 SV=1	0.0399	7.105007	Yes
FGD5_HUMAN	FYVE, RhoGEF and PH domain-containing protein 5 OS=Homo sapiens GN=FGD5 PE=1 SV=3	0.018864	7.097618	Yes
NFKB1_HUMAN	Nuclear factor NF-kappa-B p105 subunit OS=Homo sapiens GN=NFKB1 PE=1 SV=2	0.002167	7.070456	Yes
CPIN1_HUMAN	Anamorsin OS=Homo sapiens GN=CIAPIN1 PE=1 SV=2	0.008587	6.789231	Yes
ARFG1_HUMAN	ADP-ribosylation factor GTPase-activating protein 1 OS=Homo sapiens GN=ARFGAP1 PE=1 SV=2	0.000775	6.693287	Yes
INF2_HUMAN	Inverted formin-2 OS=Homo sapiens GN=INF2 PE=1 SV=2	0.004124	6.62838	Yes
TF65_HUMAN	Transcription factor p65 OS=Homo sapiens GN=RELA PE=1 SV=2	0.006057	6.590939	Yes
RN213_HUMAN	E3 ubiquitin-protein ligase RNF213 OS=Homo sapiens GN=RNF213 PE=1 SV=3	1.39E-05	6.532166	Yes
DJC13_HUMAN	DnaJ homolog subfamily C member 13 OS=Homo sapiens GN=DNAJC13 PE=1 SV=5	0.017245	6.525356	Yes
AKP13_HUMAN	A-kinase anchor protein 13 OS=Homo sapiens GN=AKAP13 PE=1 SV=2	0.01053	6.405563	Yes
MAP1A_HUMAN	Microtubule-associated protein 1A OS=Homo sapiens GN=MAP1A PE=1 SV=6	0.028358	6.361723	Yes

ARG28_HUMAN	Rho guanine nucleotide exchange factor 28 OS=Homo sapiens OX=9606 GN=ARHGEF28 PE=1 SV=3	0.04 4589	6.34 5712	Yes
BCAR1_HUMAN	Breast cancer anti-estrogen resistance protein 1 OS=Homo sapiens GN=BCAR1 PE=1 SV=2	0.00 0152	6.32 6023	Yes
GBF1_HUMAN	Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1 OS=Homo sapiens GN=GBF1 PE=1 SV=2	0.01 0341	6.28 1877	Yes
JIP4_HUMAN	C-Jun-amino-terminal kinase-interacting protein 4 OS=Homo sapiens GN=SPAG9 PE=1 SV=4	1.88 E-05	6.18 4854	Yes
KANK1_HUMAN	KN motif and ankyrin repeat domain-containing protein 1 OS=Homo sapiens OX=9606 GN=KANK1 PE=1 SV=3	0.02 9917	6.18 1895	Yes
IF4G3_HUMAN	Eukaryotic translation initiation factor 4 gamma 3 OS=Homo sapiens GN=EIF4G3 PE=1 SV=2	0.01 0647	6.17 5441	Yes
SHRM2_HUMAN	Protein Shroom2 OS=Homo sapiens GN=SHROOM2 PE=1 SV=1	0.02 4851	6.17 328	Yes
MINK1_HUMAN	Misshapen-like kinase 1 OS=Homo sapiens GN=MINK1 PE=1 SV=2	0.02 3174	6.14 8618	Yes
SHRM4_HUMAN	Protein Shroom4 OS=Homo sapiens GN=SHROOM4 PE=1 SV=3	0.01 1822	6.12 2135	Yes
RHG31_HUMAN	Rho GTPase-activating protein 31 OS=Homo sapiens GN=ARHGAP31 PE=1 SV=2	0.00 907	6.11 2982	Yes
ARAP3_HUMAN	Arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 3 OS=Homo sapiens GN=ARAP3 PE=1 SV=1	0.00 0571	6.04 6698	Yes
CLAP2_HUMAN	CLIP-associating protein 2 OS=Homo sapiens GN=CLASP2 PE=1 SV=2	0.04 3074	5.99 5782	Yes
LRBA_HUMAN	Lipopolysaccharide-responsive and beige-like anchor protein OS=Homo sapiens GN=LRBA PE=1 SV=4	2.09 E-05	5.98 8993	Yes
EPS15_HUMAN	Epidermal growth factor receptor substrate 15 OS=Homo sapiens GN=EPS15 PE=1 SV=2	0.00 0251	5.95 8946	Yes
PDXD1_HUMAN	Pyridoxal-dependent decarboxylase domain-containing protein 1 OS=Homo sapiens GN=PDXDC1 PE=1 SV=2	0.00 2579	5.94 2188	Yes
TACC1_HUMAN	Transforming acidic coiled-coil-containing protein 1 OS=Homo sapiens GN=TACC1 PE=1 SV=2	0.00 0315	5.94 1501	Yes

IFIT3_H UMAN	Interferon-induced protein with tetratricopeptide repeats 3 OS=Homo sapiens GN=IFIT3 PE=1 SV=1	0.00 3843	5.91 7779	Yes
UACA_H UMAN	Uveal autoantigen with coiled-coil domains and ankyrin repeats OS=Homo sapiens GN=UACA PE=1 SV=2	0.00 0197	5.90 2846	Yes
RHG21_ HUMAN	Rho GTPase-activating protein 21 OS=Homo sapiens GN=ARHGAP21 PE=1 SV=1	0.00 2905	5.86 9101	Yes
BIG2_H UMAN	Brefeldin A-inhibited guanine nucleotide-exchange protein 2 OS=Homo sapiens GN=ARFGEF2 PE=1 SV=3	0.00 7006	5.86 2703	Yes
MRCKA _HUMAN	Serine/threonine-protein kinase MRCK alpha OS=Homo sapiens GN=CDC42BPA PE=1 SV=1	0.03 9734	5.78 69	Yes
HGS_HU MAN	Hepatocyte growth factor-regulated tyrosine kinase substrate OS=Homo sapiens GN=HGS PE=1 SV=1	4.12 E-05	5.78 6177	Yes
DOCK4_ HUMAN	Dedicator of cytokinesis protein 4 OS=Homo sapiens GN=DOCK4 PE=1 SV=3	0.00 1054	5.76 223	Yes
IFIT1_H UMAN	Interferon-induced protein with tetratricopeptide repeats 1 OS=Homo sapiens GN=IFIT1 PE=1 SV=2	0.00 21	5.75 4363	Yes
STXB3_ HUMAN	Syntaxin-binding protein 3 OS=Homo sapiens GN=STXBP3 PE=1 SV=2	0.04 3136	5.69 1495	Yes
SC24B_ HUMAN	Protein transport protein Sec24B OS=Homo sapiens GN=SEC24B PE=1 SV=2	8.83 E-05	5.63 2711	Yes
YTHD1_ HUMAN	YTH domain-containing family protein 1 OS=Homo sapiens GN=YTHDF1 PE=1 SV=1	0.04 6343	5.56 8147	Yes
HIP1R_H UMAN	Huntingtin-interacting protein 1-related protein OS=Homo sapiens GN=HIP1R PE=1 SV=2	0.01 4355	5.54 4703	Yes
SYTL4_ HUMAN	Synaptotagmin-like protein 4 OS=Homo sapiens GN=SYTL4 PE=1 SV=2	0.00 5196	5.47 432	Yes
APC1_H UMAN	Anaphase-promoting complex subunit 1 OS=Homo sapiens GN=ANAPC1 PE=1 SV=1	0.00 0633	5.39 333	Yes
GGYF2_ HUMAN	GRB10-interacting GYF protein 2 OS=Homo sapiens GN=GIGYF2 PE=1 SV=1	0.00 4084	5.37 7513	Yes
VPS18_H UMAN	Vacuolar protein sorting-associated protein 18 homolog OS=Homo sapiens GN=VPS18 PE=1 SV=2	0.03 8794	5.33 3829	Yes

MAST4_HUMAN	Microtubule-associated serine/threonine-protein kinase 4 OS=Homo sapiens GN=MAST4 PE=1 SV=3	0.00 2377	5.30 8096	Yes
CLAP1_HUMAN	CLIP-associating protein 1 OS=Homo sapiens GN=CLASP1 PE=1 SV=1	0.01 7063	5.27 0758	Yes
GOPC_HUMAN	Golgi-associated PDZ and coiled-coil motif-containing protein OS=Homo sapiens GN=GOPC PE=1 SV=1	9.13 E-07	5.25 0872	Yes
CNOT1_HUMAN	CCR4-NOT transcription complex subunit 1 OS=Homo sapiens GN=CNOT1 PE=1 SV=2	0.00 0365	5.21 4304	Yes
MILK1_HUMAN	MICAL-like protein 1 OS=Homo sapiens OX=9606 GN=MICALL1 PE=1 SV=2	0.00 5084	5.19 9561	Yes
HELZ2_HUMAN	Helicase with zinc finger domain 2 OS=Homo sapiens OX=9606 GN=HELZ2 PE=1 SV=6	0.03 5446	5.19 6935	Yes
MYRIP_HUMAN	Rab effector MyRIP OS=Homo sapiens GN=MYRIP PE=1 SV=2	0.00 0186	5.16 2088	Yes
BCR_HUMAN	Breakpoint cluster region protein OS=Homo sapiens GN=BCR PE=1 SV=2	0.00 0807	5.16 0951	Yes
EXOC4_HUMAN	Exocyst complex component 4 OS=Homo sapiens GN=EXOC4 PE=1 SV=1	0.00 955	5.12 3479	Yes
NUMB_HUMAN	Protein numb homolog OS=Homo sapiens GN=NUMB PE=1 SV=2	0.02 736	5.08 898	Yes
PI4KA_HUMAN	Phosphatidylinositol 4-kinase alpha OS=Homo sapiens OX=9606 GN=PI4KA PE=1 SV=4	0.03 504	5.04 944	Yes
PP12C_HUMAN	Protein phosphatase 1 regulatory subunit 12C OS=Homo sapiens GN=PPP1R12C PE=1 SV=1	0.01 0616	5.04 6155	Yes
RFIP5_HUMAN	Rab11 family-interacting protein 5 OS=Homo sapiens GN=RAB11FIP5 PE=1 SV=1	0.01 1486	5.02 2877	Yes
PKHO2_HUMAN	Pleckstrin homology domain-containing family O member 2 OS=Homo sapiens OX=9606 GN=PLEKHO2 PE=1 SV=1	0.00 0695	5.01 8678	Yes
EEA1_HUMAN	Early endosome antigen 1 OS=Homo sapiens GN=EEA1 PE=1 SV=2	0.01 2101	5.01 7414	Yes
PIEZ1_HUMAN	Piezo-type mechanosensitive ion channel component 1 OS=Homo sapiens OX=9606 GN=PIEZO1 PE=1 SV=4	0.01 1485	4.97 0915	Yes

CARD6_HUMAN	Caspase recruitment domain-containing protein 6 OS=Homo sapiens OX=9606 GN=CARD6 PE=1 SV=2	0.01 2047	4.96 7057	Yes
SNP29_HUMAN	Synaptosomal-associated protein 29 OS=Homo sapiens GN=SNAP29 PE=1 SV=1	0.00 7663	4.96 5716	Yes
ARHG7_HUMAN	Rho guanine nucleotide exchange factor 7 OS=Homo sapiens OX=9606 GN=ARHGEF7 PE=1 SV=2	0.00 1044	4.95 6896	Yes
ZFY16_HUMAN	Zinc finger FYVE domain-containing protein 16 OS=Homo sapiens GN=ZFYVE16 PE=1 SV=3	0.01 0497	4.94 8479	Yes
SVIL_HUMAN	Supervillin OS=Homo sapiens GN=SVIL PE=1 SV=2	0.00 1045	4.93 5908	Yes
TJAP1_HUMAN	Tight junction-associated protein 1 OS=Homo sapiens GN=TJAP1 PE=1 SV=1	0.02 2451	4.92 4913	Yes
GEPH_HUMAN	Gephyrin OS=Homo sapiens GN=GPHN PE=1 SV=1	0.00 834	4.92 2931	Yes
USP9X_HUMAN	Probable ubiquitin carboxyl-terminal hydrolase FAF-X OS=Homo sapiens GN=USP9X PE=1 SV=3	3.32 E-08	4.88 282	Yes
STRN4_HUMAN	Striatin-4 OS=Homo sapiens GN=STRN4 PE=1 SV=2	0.00 8747	4.88 16	Yes
TMF1_HUMAN	TATA element modulatory factor OS=Homo sapiens GN=TMF1 PE=1 SV=2	0.00 2014	4.87 3938	Yes
SNX18_HUMAN	Sorting nexin-18 OS=Homo sapiens GN=SNX18 PE=1 SV=2	9.84 E-05	4.86 0684	Yes
OSBP1_HUMAN	Oxysterol-binding protein 1 OS=Homo sapiens GN=OSBP PE=1 SV=1	0.01 2394	4.85 3885	Yes
PDE3A_HUMAN	cGMP-inhibited 3',5'-cyclic phosphodiesterase A OS=Homo sapiens GN=PDE3A PE=1 SV=3	0.00 464	4.85 0319	Yes
GOGA2_HUMAN	Golgin subfamily A member 2 OS=Homo sapiens GN=GOLGA2 PE=1 SV=3	9.89 E-06	4.84 3174	Yes
HERC4_HUMAN	Probable E3 ubiquitin-protein ligase HERC4 OS=Homo sapiens GN=HERC4 PE=1 SV=1	0.01 1799	4.81 132	Yes
P3C2A_HUMAN	Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha OS=Homo sapiens GN=PIK3C2A PE=1 SV=2	0.02 4997	4.80 3218	Yes

NFKB2_HUMAN	Nuclear factor NF-kappa-B p100 subunit OS=Homo sapiens GN=NFKB2 PE=1 SV=4	0.01 6132	4.79 4209	Yes
SPG20_HUMAN	Spartin OS=Homo sapiens GN=SPG20 PE=1 SV=1	0.03 4322	4.76 6957	Yes
GOGA3_HUMAN	Golgin subfamily A member 3 OS=Homo sapiens GN=GOLGA3 PE=1 SV=2	1.03 E-06	4.75 7931	Yes
BIG1_HUMAN	Brefeldin A-inhibited guanine nucleotide-exchange protein 1 OS=Homo sapiens GN=ARFGEF1 PE=1 SV=2	2.85 E-05	4.75 4417	Yes
PANK4_HUMAN	Pantothenate kinase 4 OS=Homo sapiens GN=PANK4 PE=1 SV=1	0.00 0317	4.75 3369	Yes
TANC1_HUMAN	Protein TANC1 OS=Homo sapiens GN=TANC1 PE=1 SV=3	0.04 8277	4.75 021	Yes
XRN1_HUMAN	5'-3' exoribonuclease 1 OS=Homo sapiens GN=XRN1 PE=1 SV=1	0.00 5592	4.68 5167	Yes
TOM1_HUMAN	Target of Myb protein 1 OS=Homo sapiens GN=TOM1 PE=1 SV=2	0.00 1061	4.68 4542	Yes
DDX58_HUMAN	Probable ATP-dependent RNA helicase DDX58 OS=Homo sapiens GN=DDX58 PE=1 SV=2	0.00 3556	4.64 7537	Yes
CAMP2_HUMAN	Calmodulin-regulated spectrin-associated protein 2 OS=Homo sapiens GN=CAMSAP2 PE=1 SV=3	0.01 891	4.64 221	Yes
TPPC8_HUMAN	Trafficking protein particle complex subunit 8 OS=Homo sapiens OX=9606 GN=TRAPPC8 PE=1 SV=2	0.01 6819	4.63 8523	Yes
FRMD6_HUMAN	FERM domain-containing protein 6 OS=Homo sapiens GN=FRMD6 PE=1 SV=1	0.01 0106	4.62 4665	Yes
RB27A_HUMAN	Ras-related protein Rab-27A OS=Homo sapiens GN=RAB27A PE=1 SV=3	2.54 E-05	4.61 5777	Yes
NHSL1_HUMAN	NHS-like protein 1 OS=Homo sapiens OX=9606 GN=NHSL1 PE=1 SV=2	0.00 324	4.58 3226	Yes
PEAK1_HUMAN	Pseudopodium-enriched atypical kinase 1 OS=Homo sapiens GN=PEAK1 PE=1 SV=4	0.00 9589	4.56 8718	Yes
EH1L1_HUMAN	EH domain-binding protein 1-like protein 1 OS=Homo sapiens OX=9606 GN=EHBP1L1 PE=1 SV=2	0.03 3483	4.55 5448	Yes

ANKH1_HUMAN	Ankyrin repeat and KH domain-containing protein 1 OS=Homo sapiens GN=ANKHD1 PE=1 SV=1	0.00 9895	4.55 224	Yes
S12A4_HUMAN	Solute carrier family 12 member 4 OS=Homo sapiens GN=SLC12A4 PE=1 SV=2	0.00 8045	4.52 7032	Yes
UBP8_HUMAN	Ubiquitin carboxyl-terminal hydrolase 8 OS=Homo sapiens GN=USP8 PE=1 SV=1	0.01 3735	4.51 0723	Yes
UN13D_HUMAN	Protein unc-13 homolog D OS=Homo sapiens GN=UNC13D PE=1 SV=1	0.01 5857	4.49 4146	Yes
PTN23_HUMAN	Tyrosine-protein phosphatase non-receptor type 23 OS=Homo sapiens GN=PTPN23 PE=1 SV=1	0.00 0985	4.49 3375	Yes
TSC2_HUMAN	Tuberin OS=Homo sapiens OX=9606 GN=TSC2 PE=1 SV=2	0.04 1224	4.46 2773	Yes
VATE1_HUMAN	V-type proton ATPase subunit E 1 OS=Homo sapiens OX=9606 GN=ATP6V1E1 PE=1 SV=1	0.00 4267	4.45 9512	Yes
WNK1_HUMAN	Serine/threonine-protein kinase WNK1 OS=Homo sapiens GN=WNK1 PE=1 SV=2	0.03 4911	4.44 9846	Yes
ARHG1_HUMAN	Rho guanine nucleotide exchange factor 1 OS=Homo sapiens GN=ARHGEF1 PE=1 SV=2	0.03 0036	4.44 2076	Yes
MP2K3_HUMAN	Dual specificity mitogen-activated protein kinase kinase 3 OS=Homo sapiens OX=9606 GN=MAP2K3 PE=1 SV=2	0.04 1288	4.43 8343	Yes
GAPD1_HUMAN	GTPase-activating protein and VPS9 domain-containing protein 1 OS=Homo sapiens GN=GAPVD1 PE=1 SV=2	0.00 5586	4.43 3154	Yes
MON2_HUMAN	Protein MON2 homolog OS=Homo sapiens GN=MON2 PE=1 SV=3	0.02 2849	4.42 6602	Yes
ECM29_HUMAN	Proteasome-associated protein ECM29 homolog OS=Homo sapiens GN=ECM29 PE=1 SV=2	0.03 8751	4.42 4656	Yes
EXOC7_HUMAN	Exocyst complex component 7 OS=Homo sapiens OX=9606 GN=EXOC7 PE=1 SV=3	0.00 9208	4.42 2759	Yes
TENS1_HUMAN	Tensin-1 OS=Homo sapiens GN=TNS1 PE=1 SV=2	0.00 2354	4.42 2098	Yes
NU153_HUMAN	Nuclear pore complex protein Nup153 OS=Homo sapiens GN=NUP153 PE=1 SV=2	0.00 101	4.41 6629	Yes

NBAS_HUMAN	Neuroblastoma-amplified sequence OS=Homo sapiens GN=NBAS PE=1 SV=2	0.00 5064	4.40 6777	Yes
CND1_HUMAN	Condensin complex subunit 1 OS=Homo sapiens GN=NCAPD2 PE=1 SV=3	0.03 5808	4.38 4018	Yes
ZW10_HUMAN	Centromere/kinetochore protein zw10 homolog OS=Homo sapiens GN=ZW10 PE=1 SV=3	0.00 1387	4.37 705	Yes
DOC10_HUMAN	Dedicator of cytokinesis protein 10 OS=Homo sapiens GN=DOCK10 PE=1 SV=3	0.00 9737	4.37 6241	Yes
BAG5_HUMAN	BAG family molecular chaperone regulator 5 OS=Homo sapiens OX=9606 GN=BAG5 PE=1 SV=1	0.04 0186	4.36 9931	Yes
KIF11_HUMAN	Kinesin-like protein KIF11 OS=Homo sapiens OX=9606 GN=KIF11 PE=1 SV=2	0.03 6694	4.36 8079	Yes
LBR_HUMAN	Lamin-B receptor OS=Homo sapiens GN=LBR PE=1 SV=2	0.00 3798	4.36 7564	Yes
A16A1_HUMAN	Aldehyde dehydrogenase family 16 member A1 OS=Homo sapiens GN=ALDH16A1 PE=1 SV=2	0.00 2639	4.35 0077	Yes
TB182_HUMAN	182 kDa tankyrase-1-binding protein OS=Homo sapiens GN=TNKS1BP1 PE=1 SV=4	6.37 E-06	4.32 5002	Yes
DOCK7_HUMAN	Dedicator of cytokinesis protein 7 OS=Homo sapiens GN=DOCK7 PE=1 SV=4	0.00 0782	4.31 2642	Yes
S23IP_HUMAN	SEC23-interacting protein OS=Homo sapiens GN=SEC23IP PE=1 SV=1	5.19 E-05	4.28 8526	Yes
SAMD9_HUMAN	Sterile alpha motif domain-containing protein 9 OS=Homo sapiens GN=SAMD9 PE=1 SV=1	0.01 0699	4.28 7922	Yes
AP2A2_HUMAN	AP-2 complex subunit alpha-2 OS=Homo sapiens GN=AP2A2 PE=1 SV=2	0.02 2847	4.28 0593	Yes
MYO9B_HUMAN	Unconventional myosin-IXb OS=Homo sapiens GN=MYO9B PE=1 SV=3	0.00 035	4.27 3291	Yes
GIMA8_HUMAN	GTPase IMAP family member 8 OS=Homo sapiens GN=GIMAP8 PE=2 SV=2	0.00 2166	4.27 0488	Yes
AFAD_HUMAN	Afadin OS=Homo sapiens GN=MLLT4 PE=1 SV=3	0.00 8834	4.25 4048	Yes

SHLB1_HUMAN	Endophilin-B1 OS=Homo sapiens GN=SH3GLB1 PE=1 SV=1	0.04 6853	4.23 094	Yes
F1711_HUMAN	Protein FAM171A1 OS=Homo sapiens GN=FAM171A1 PE=1 SV=1	3.70 E-06	4.20 1248	Yes
COG6_HUMAN	Conserved oligomeric Golgi complex subunit 6 OS=Homo sapiens OX=9606 GN=COG6 PE=1 SV=2	0.02 7049	4.07 9278	Yes
RHG29_HUMAN	Rho GTPase-activating protein 29 OS=Homo sapiens GN=ARHGAP29 PE=1 SV=2	4.82 E-06	4.06 7826	Yes
LRC8A_HUMAN	Volume-regulated anion channel subunit LRRC8A OS=Homo sapiens OX=9606 GN=LRRC8A PE=1 SV=1	0.00 9849	4.03 7987	Yes
DAB2_HUMAN	Disabled homolog 2 OS=Homo sapiens GN=DAB2 PE=1 SV=3	0.04 9757	4.03 6907	Yes
PTN12_HUMAN	Tyrosine-protein phosphatase non-receptor type 12 OS=Homo sapiens GN=PTN12 PE=1 SV=3	8.94 E-05	4.02 8365	Yes
STAT2_HUMAN	Signal transducer and activator of transcription 2 OS=Homo sapiens GN=STAT2 PE=1 SV=1	0.00 1937	4.01 2841	Yes
GAK_HUMAN	Cyclin-G-associated kinase OS=Homo sapiens GN=GAK PE=1 SV=2	0.00 0105	3.99 9597	Yes
CIP4_HUMAN	Cdc42-interacting protein 4 OS=Homo sapiens OX=9606 GN=TRIP10 PE=1 SV=3	0.01 5533	3.99 4291	Yes
EXOC8_HUMAN	Exocyst complex component 8 OS=Homo sapiens GN=EXOC8 PE=1 SV=2	0.04 8626	3.98 1599	Yes
GIT1_HUMAN	ARF GTPase-activating protein GIT1 OS=Homo sapiens GN=GIT1 PE=1 SV=2	0.02 1875	3.97 8404	Yes
VPS16_HUMAN	Vacuolar protein sorting-associated protein 16 homolog OS=Homo sapiens OX=9606 GN=VPS16 PE=1 SV=2	0.02 6327	3.94 2933	Yes
TBCD4_HUMAN	TBC1 domain family member 4 OS=Homo sapiens GN=TBC1D4 PE=1 SV=2	0.00 2522	3.93 8971	Yes
OASL_HUMAN	2'-5'-oligoadenylate synthase-like protein OS=Homo sapiens GN=OASL PE=1 SV=2	0.00 178	3.90 0206	Yes
OPTN_HUMAN	Optineurin OS=Homo sapiens GN=OPTN PE=1 SV=2	0.02 0955	3.89 559	Yes

TMCC3_HUMAN	Transmembrane and coiled-coil domains protein 3 OS=Homo sapiens GN=TMCC3 PE=2 SV=3	0.00 075	3.89 4063	Yes
NUP88_HUMAN	Nuclear pore complex protein Nup88 OS=Homo sapiens GN=NUP88 PE=1 SV=2	0.01 8748	3.88 4813	Yes
ACTY_HUMAN	Beta-actin OS=Homo sapiens GN=ACTR1B PE=1 SV=1	0.01 9723	3.87 6715	Yes
HGH1_HUMAN	Protein HGH1 homolog OS=Homo sapiens OX=9606 GN=HGH1 PE=1 SV=1	0.03 8666	3.86 3435	Yes
AL1A2_HUMAN	Retinal dehydrogenase 2 OS=Homo sapiens GN=ALDH1A2 PE=1 SV=3	0.04 6426	3.85 8234	Yes
LPP_HUMAN	Lipoma-preferred partner OS=Homo sapiens GN=LPP PE=1 SV=1	0.00 524	3.82 1677	Yes
RIPK1_HUMAN	Receptor-interacting serine/threonine-protein kinase 1 OS=Homo sapiens GN=RIPK1 PE=1 SV=3	0.03 1027	3.81 97	Yes
TPP2_HUMAN	Tripeptidyl-peptidase 2 OS=Homo sapiens GN=TPP2 PE=1 SV=4	0.00 8925	3.81 5197	Yes
PTN11_HUMAN	Tyrosine-protein phosphatase non-receptor type 11 OS=Homo sapiens GN=PTPN11 PE=1 SV=2	0.04 8971	3.80 5512	Yes
UBXN4_HUMAN	UBX domain-containing protein 4 OS=Homo sapiens OX=9606 GN=UBXN4 PE=1 SV=2	0.00 3849	3.79 6337	Yes
ITB4_HUMAN	Integrin beta-4 OS=Homo sapiens GN=ITGB4 PE=1 SV=5	0.01 6069	3.79 3369	Yes
NEMO_HUMAN	NF-kappa-B essential modulator OS=Homo sapiens GN=IKBKG PE=1 SV=2	0.01 5184	3.77 6309	Yes
ABI1_HUMAN	Abl interactor 1 OS=Homo sapiens GN=ABI1 PE=1 SV=4	0.00 2053	3.77 4226	Yes
Z3H7B_HUMAN	Zinc finger CCCH domain-containing protein 7B OS=Homo sapiens GN=ZC3H7B PE=1 SV=1	0.00 262	3.77 1898	Yes
SC24D_HUMAN	Protein transport protein Sec24D OS=Homo sapiens GN=SEC24D PE=1 SV=2	0.00 0492	3.76 1313	Yes
NEK9_HUMAN	Serine/threonine-protein kinase Nek9 OS=Homo sapiens GN=NEK9 PE=1 SV=2	0.00 5531	3.71 7464	Yes

SHC1_HUMAN	SHC-transforming protein 1 OS=Homo sapiens GN=SHC1 PE=1 SV=4	0.01 2782	3.70 2426	Yes
TFG_HUMAN	Protein TFG OS=Homo sapiens GN=TFG PE=1 SV=2	0.01 2806	3.70 2289	Yes
RELB_HUMAN	Transcription factor RelB OS=Homo sapiens OX=9606 GN=RELB PE=1 SV=2	0.04 088	3.69 1872	Yes
PAR14_HUMAN	Poly [ADP-ribose] polymerase 14 OS=Homo sapiens GN=PARP14 PE=1 SV=3	0.00 0595	3.68 2993	Yes
WDR6_HUMAN	WD repeat-containing protein 6 OS=Homo sapiens OX=9606 GN=WDR6 PE=1 SV=1	0.00 2663	3.68 1359	Yes
UBE3A_HUMAN	Ubiquitin-protein ligase E3A OS=Homo sapiens OX=9606 GN=UBE3A PE=1 SV=4	0.01 4397	3.67 3566	Yes
SYNPO_HUMAN	Synaptopodin OS=Homo sapiens GN=SYNPO PE=1 SV=2	8.82 E-05	3.67 1314	Yes
SC16A_HUMAN	Protein transport protein Sec16A OS=Homo sapiens GN=SEC16A PE=1 SV=3	0.00 0377	3.66 0751	Yes
SPART_HUMAN	Spartin OS=Homo sapiens OX=9606 GN=SPART PE=1 SV=1	0.01 0719	3.64 7688	Yes
TGFI1_HUMAN	Transforming growth factor beta-1-induced transcript 1 protein OS=Homo sapiens OX=9606 GN=TGFBI1 PE=1 SV=2	0.04 0646	3.64 2325	Yes
UB2L6_HUMAN	Ubiquitin/ISG15-conjugating enzyme E2 L6 OS=Homo sapiens OX=9606 GN=UBE2L6 PE=1 SV=4	0.00 5947	3.61 9709	Yes
GCP3_HUMAN	Gamma-tubulin complex component 3 OS=Homo sapiens GN=TUBGCP3 PE=1 SV=2	0.00 259	3.56 9751	Yes
DLGP5_HUMAN	Disks large-associated protein 5 OS=Homo sapiens GN=DLGAP5 PE=1 SV=2	0.00 1306	3.55 7816	Yes
FKB15_HUMAN	FK506-binding protein 15 OS=Homo sapiens GN=FKBP15 PE=1 SV=2	9.13 E-05	3.55 1167	Yes
ROCK2_HUMAN	Rho-associated protein kinase 2 OS=Homo sapiens GN=ROCK2 PE=1 SV=4	6.44 E-05	3.52 9442	Yes
SCAM3_HUMAN	Secretory carrier-associated membrane protein 3 OS=Homo sapiens GN=SCAMP3 PE=1 SV=3	0.00 959	3.50 7006	Yes

RABE2_HUMAN	Rab GTPase-binding effector protein 2 OS=Homo sapiens OX=9606 GN=RABEP2 PE=1 SV=2	0.04 8426	3.50 3076	Yes
MX1_HUMAN	Interferon-induced GTP-binding protein Mx1 OS=Homo sapiens GN=MX1 PE=1 SV=4	0.00 2477	3.49 5049	Yes
CBL_HUMAN	E3 ubiquitin-protein ligase CBL OS=Homo sapiens GN=CBL PE=1 SV=2	0.03 8431	3.49 46	Yes
NU214_HUMAN	Nuclear pore complex protein Nup214 OS=Homo sapiens GN=NUP214 PE=1 SV=2	0.00 4356	3.49 0835	Yes
BRK1_HUMAN	Protein BRICK1 OS=Homo sapiens OX=9606 GN=BRK1 PE=1 SV=1	0.04 8688	3.48 7384	Yes
GPDM_HUMAN	Glycerol-3-phosphate dehydrogenase, mitochondrial OS=Homo sapiens GN=GPD2 PE=1 SV=3	0.00 6924	3.47 515	Yes
STX5_HUMAN	Syntaxin-5 OS=Homo sapiens OX=9606 GN=STX5 PE=1 SV=2	0.02 5746	3.46 872	Yes
ROCK1_HUMAN	Rho-associated protein kinase 1 OS=Homo sapiens GN=ROCK1 PE=1 SV=1	0.02 8264	3.46 1844	Yes
AAK1_HUMAN	AP2-associated protein kinase 1 OS=Homo sapiens GN=AAK1 PE=1 SV=3	0.00 0172	3.44 7426	Yes
KANK3_HUMAN	KN motif and ankyrin repeat domain-containing protein 3 OS=Homo sapiens OX=9606 GN=KANK3 PE=1 SV=1	0.00 5561	3.44 185	Yes
TNR6B_HUMAN	Trinucleotide repeat-containing gene 6B protein OS=Homo sapiens OX=9606 GN=TNRC6B PE=1 SV=4	0.00 1847	3.43 2759	Yes
PEX14_HUMAN	Peroxisomal membrane protein PEX14 OS=Homo sapiens OX=9606 GN=PEX14 PE=1 SV=1	0.02 1439	3.43 2214	Yes
MMS19_HUMAN	MMS19 nucleotide excision repair protein homolog OS=Homo sapiens GN=MMS19 PE=1 SV=2	0.03 7553	3.42 9845	Yes
RBP2_HUMAN	E3 SUMO-protein ligase RanBP2 OS=Homo sapiens GN=RANBP2 PE=1 SV=2	0.00 0176	3.39 8312	Yes
TIE2_HUMAN	Angiopoietin-1 receptor OS=Homo sapiens GN=TEK PE=1 SV=2	0.04 7479	3.38 8778	Yes
TBL2_HUMAN	Transducin beta-like protein 2 OS=Homo sapiens GN=TBL2 PE=1 SV=1	0.02 0081	3.37 1185	Yes

WWTR1_HUMAN	WW domain-containing transcription regulator protein 1 OS=Homo sapiens GN=WWTR1 PE=1 SV=1	0.010023	3.358403	Yes
MYPT1_HUMAN	Protein phosphatase 1 regulatory subunit 12A OS=Homo sapiens GN=PPP1R12A PE=1 SV=1	6.58E-05	3.343926	Yes
CD2AP_HUMAN	CD2-associated protein OS=Homo sapiens GN=CD2AP PE=1 SV=1	6.66E-05	3.338696	Yes
OGFR_HUMAN	Opioid growth factor receptor OS=Homo sapiens GN=OGFR PE=1 SV=3	4.28E-05	3.318923	Yes
CTNB1_HUMAN	Catenin beta-1 OS=Homo sapiens GN=CTNNB1 PE=1 SV=1	1.47E-05	3.309935	Yes
JAK1_HUMAN	Tyrosine-protein kinase JAK1 OS=Homo sapiens GN=JAK1 PE=1 SV=2	0.001723	3.308066	Yes
SKIV2_HUMAN	Helicase SKI2W OS=Homo sapiens GN=SKIV2L PE=1 SV=3	0.010646	3.306944	Yes
UBP15_HUMAN	Ubiquitin carboxyl-terminal hydrolase 15 OS=Homo sapiens GN=USP15 PE=1 SV=3	0.037361	3.303683	Yes
CORO7_HUMAN	Coronin-7 OS=Homo sapiens GN=CORO7 PE=1 SV=2	0.000152	3.279993	Yes
CKAP5_HUMAN	Cytoskeleton-associated protein 5 OS=Homo sapiens GN=CKAP5 PE=1 SV=3	2.16E-05	3.278367	Yes
RN214_HUMAN	RING finger protein 214 OS=Homo sapiens OX=9606 GN=RNF214 PE=1 SV=2	0.038925	3.26686	Yes
CNOT3_HUMAN	CCR4-NOT transcription complex subunit 3 OS=Homo sapiens GN=CNOT3 PE=1 SV=1	0.01605	3.264278	Yes
ARHGF_HUMAN	Rho guanine nucleotide exchange factor 15 OS=Homo sapiens GN=ARHGEF15 PE=1 SV=4	0.026031	3.262534	Yes
DC1L1_HUMAN	Cytoplasmic dynein 1 light intermediate chain 1 OS=Homo sapiens GN=DYNC1L1 PE=1 SV=3	0.000379	3.233518	Yes
Z3H7A_HUMAN	Zinc finger CCCH domain-containing protein 7A OS=Homo sapiens OX=9606 GN=ZC3H7A PE=1 SV=1	0.026333	3.224339	Yes
MTMR3_HUMAN	Myotubularin-related protein 3 OS=Homo sapiens GN=MTMR3 PE=1 SV=3	0.031525	3.223137	Yes

RPGF2_HUMAN	Rap guanine nucleotide exchange factor 2 OS=Homo sapiens OX=9606 GN=RAPGEF2 PE=1 SV=1	0.04 8731	3.21 7016	Yes
LRCH3_HUMAN	Leucine-rich repeat and calponin homology domain-containing protein 3 OS=Homo sapiens OX=9606 GN=LRCH3 PE=1 SV=2	0.02 4957	3.21 1543	Yes
STAM1_HUMAN	Signal transducing adapter molecule 1 OS=Homo sapiens GN=STAM PE=1 SV=3	0.04 0921	3.20 946	Yes
PSMF1_HUMAN	Proteasome inhibitor PI31 subunit OS=Homo sapiens OX=9606 GN=PSMF1 PE=1 SV=2	0.03 4556	3.20 5136	Yes
HS74L_HUMAN	Heat shock 70 kDa protein 4L OS=Homo sapiens OX=9606 GN=HSPA4L PE=1 SV=3	0.04 3136	3.19 7847	Yes
CT2NL_HUMAN	CTTNBP2 N-terminal-like protein OS=Homo sapiens GN=CTTNBP2NL PE=1 SV=2	0.00 8193	3.19 0027	Yes
WDR11_HUMAN	WD repeat-containing protein 11 OS=Homo sapiens GN=WDR11 PE=1 SV=1	0.00 139	3.18 1941	Yes
MY18A_HUMAN	Unconventional myosin-XVIIIa OS=Homo sapiens GN=MYO18A PE=1 SV=3	0.04 4971	3.18 1373	Yes
HECD1_HUMAN	E3 ubiquitin-protein ligase HECTD1 OS=Homo sapiens GN=HECTD1 PE=1 SV=3	0.00 0589	3.17 8074	Yes
CLIP1_HUMAN	CAP-Gly domain-containing linker protein 1 OS=Homo sapiens GN=CLIP1 PE=1 SV=2	0.01 6153	3.17 6508	Yes
ATRAP_HUMAN	Type-1 angiotensin II receptor-associated protein OS=Homo sapiens GN=AGTRAP PE=1 SV=1	0.00 4624	3.17 3591	Yes
TES_HUMAN	Testin OS=Homo sapiens GN=TES PE=1 SV=1	0.00 0884	3.16 0425	Yes
FRYL_HUMAN	Protein furry homolog-like OS=Homo sapiens GN=FRYL PE=1 SV=2	0.04 6768	3.12 6592	Yes
TAP1_HUMAN	Antigen peptide transporter 1 OS=Homo sapiens OX=9606 GN=TAP1 PE=1 SV=2	0.02 2548	3.12 5933	Yes
RUFY1_HUMAN	RUN and FYVE domain-containing protein 1 OS=Homo sapiens GN=RUFY1 PE=1 SV=2	0.00 1019	3.11 9706	Yes
KCC2D_HUMAN	Calcium/calmodulin-dependent protein kinase type II subunit delta OS=Homo sapiens GN=CAMK2D PE=1 SV=3	0.00 8124	3.11 4793	Yes

LAR4B_HUMAN	La-related protein 4B OS=Homo sapiens GN=LARP4B PE=1 SV=3	0.01 039	3.08 79	Yes
PRRC1_HUMAN	Protein PRRC1 OS=Homo sapiens OX=9606 GN=PRRC1 PE=1 SV=1	0.00 8777	3.07 3726	Yes
OSBL9_HUMAN	Oxysterol-binding protein-related protein 9 OS=Homo sapiens OX=9606 GN=OSBPL9 PE=1 SV=2	0.00 9262	3.06 8721	Yes
SC23B_HUMAN	Protein transport protein Sec23B OS=Homo sapiens GN=SEC23B PE=1 SV=2	0.00 6376	3.05 8278	Yes
NCKP1_HUMAN	Nck-associated protein 1 OS=Homo sapiens GN=NCKAP1 PE=1 SV=1	2.94 E-05	3.05 8034	Yes
UTRO_HUMAN	Utrophin OS=Homo sapiens GN=UTRN PE=1 SV=2	0.00 039	3.05 2826	Yes
IST1_HUMAN	IST1 homolog OS=Homo sapiens GN=IST1 PE=1 SV=1	0.01 7311	3.04 9366	Yes
AKAP2_HUMAN	A-kinase anchor protein 2 OS=Homo sapiens GN=AKAP2 PE=1 SV=3	0.00 0139	3.03 5191	Yes
NFAC2_HUMAN	Nuclear factor of activated T-cells, cytoplasmic 2 OS=Homo sapiens GN=NFATC2 PE=1 SV=2	0.00 2814	3.03 0662	Yes
CRCM_HUMAN	Colorectal mutant cancer protein OS=Homo sapiens GN=MCC PE=1 SV=2	0.00 0115	3.03 0092	Yes
DNMBP_HUMAN	Dynammin-binding protein OS=Homo sapiens GN=DNMBP PE=1 SV=1	8.73 E-05	3.02 744	Yes
SYNJ2_HUMAN	Synaptojanin-2 OS=Homo sapiens GN=SYNJ2 PE=1 SV=3	0.00 0278	3.02 4054	Yes
ZO1_HUMAN	Tight junction protein ZO-1 OS=Homo sapiens GN=TJP1 PE=1 SV=3	5.73 E-06	3.02 1671	Yes
AVEN_HUMAN	Cell death regulator Aven OS=Homo sapiens GN=AVEN PE=1 SV=1	0.01 554	3.00 0215	Yes
ZCCHV_HUMAN	Zinc finger CCCH-type antiviral protein 1 OS=Homo sapiens GN=ZC3HAV1 PE=1 SV=3	1.06 E-05	2.98 8099	Yes
MRCKB_HUMAN	Serine/threonine-protein kinase MRCK beta OS=Homo sapiens GN=CDC42BPB PE=1 SV=2	0.00 0152	2.98 6745	Yes

ZYX_HUMAN	Zyxin OS=Homo sapiens GN=ZYX PE=1 SV=1	8.29 E-05	2.98 221	Yes
CCDC6_HUMAN	Coiled-coil domain-containing protein 6 OS=Homo sapiens GN=CCDC6 PE=1 SV=2	0.00 1644	2.95 8774	Yes
BABA1_HUMAN	BRISC and BRCA1-A complex member 1 OS=Homo sapiens OX=9606 GN=BABAM1 PE=1 SV=1	0.02 0293	2.94 4735	Yes
PA24A_HUMAN	Cytosolic phospholipase A2 OS=Homo sapiens GN=PLA2G4A PE=1 SV=2	0.03 1909	2.94 0151	Yes
ATG9A_HUMAN	Autophagy-related protein 9A OS=Homo sapiens GN=ATG9A PE=1 SV=3	0.02 0703	2.93 6509	Yes
WDR26_HUMAN	WD repeat-containing protein 26 OS=Homo sapiens OX=9606 GN=WDR26 PE=1 SV=3	0.00 2144	2.92 7335	Yes
NFXL1_HUMAN	NF-X1-type zinc finger protein NFXL1 OS=Homo sapiens OX=9606 GN=NFXL1 PE=1 SV=2	0.03 9172	2.92 6075	Yes
IFIT2_HUMAN	Interferon-induced protein with tetratricopeptide repeats 2 OS=Homo sapiens GN=IFIT2 PE=1 SV=1	0.00 4755	2.91 6769	Yes
LIPB1_HUMAN	Liprin-beta-1 OS=Homo sapiens GN=PPFIBP1 PE=1 SV=2	7.42 E-05	2.90 5795	Yes
ZO2_HUMAN	Tight junction protein ZO-2 OS=Homo sapiens GN=TJP2 PE=1 SV=2	4.50 E-07	2.90 2735	Yes
UHRF2_HUMAN	E3 ubiquitin-protein ligase UHRF2 OS=Homo sapiens OX=9606 GN=UHRF2 PE=1 SV=1	0.02 8513	2.90 2095	Yes
REPS1_HUMAN	RalBP1-associated Eps domain-containing protein 1 OS=Homo sapiens GN=REPS1 PE=1 SV=3	0.04 3586	2.90 0193	Yes
PSME1_HUMAN	Proteasome activator complex subunit 1 OS=Homo sapiens GN=PSME1 PE=1 SV=1	0.02 536	2.88 8191	Yes
PTN14_HUMAN	Tyrosine-protein phosphatase non-receptor type 14 OS=Homo sapiens GN=PTN14 PE=1 SV=2	0.00 2831	2.88 6057	Yes
RAB13_HUMAN	Ras-related protein Rab-13 OS=Homo sapiens GN=RAB13 PE=1 SV=1	0.00 3939	2.87 541	Yes
APOL2_HUMAN	Apolipoprotein L2 OS=Homo sapiens GN=APOL2 PE=1 SV=1	0.00 5609	2.87 4507	Yes

DNJC7_HUMAN	DnaJ homolog subfamily C member 7 OS=Homo sapiens GN=DNAJC7 PE=1 SV=2	0.02 6502	2.86 697	Yes
PALMD_HUMAN	Palmdelphin OS=Homo sapiens GN=PALMD PE=1 SV=1	0.00 6693	2.85 699	Yes
TENS3_HUMAN	Tensin-3 OS=Homo sapiens OX=9606 GN=TNS3 PE=1 SV=2	0.04 9049	2.85 5559	Yes
PTPRE_HUMAN	Receptor-type tyrosine-protein phosphatase epsilon OS=Homo sapiens GN=PTPRE PE=1 SV=1	0.04 9561	2.84 7913	Yes
JUPI2_HUMAN	Jupiter microtubule associated homolog 2 OS=Homo sapiens OX=9606 GN=JPT2 PE=1 SV=1	0.02 4123	2.84 3751	Yes
CLH2_HUMAN	Clathrin heavy chain 2 OS=Homo sapiens OX=9606 GN=CLTCL1 PE=1 SV=2	0.04 6185	2.84 361	Yes
TS101_HUMAN	Tumor susceptibility gene 101 protein OS=Homo sapiens GN=TSG101 PE=1 SV=2	0.01 9134	2.83 1776	Yes
IKKB_HUMAN	Inhibitor of nuclear factor kappa-B kinase subunit beta OS=Homo sapiens OX=9606 GN=IKKB PE=1 SV=1	0.01 5886	2.83 1007	Yes
PHLB2_HUMAN	Pleckstrin homology-like domain family B member 2 OS=Homo sapiens OX=9606 GN=PHLDB2 PE=1 SV=2	0.01 8884	2.81 9642	Yes
CTND1_HUMAN	Catenin delta-1 OS=Homo sapiens GN=CTNND1 PE=1 SV=1	1.63 E-07	2.80 1187	Yes
FKBP7_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP7 OS=Homo sapiens GN=FKBP7 PE=1 SV=1	0.02 4234	2.80 0092	Yes
GTPB1_HUMAN	GTP-binding protein 1 OS=Homo sapiens OX=9606 GN=GTPBP1 PE=1 SV=3	0.00 9804	2.79 8539	Yes
RB3GP_HUMAN	Rab3 GTPase-activating protein catalytic subunit OS=Homo sapiens GN=RAB3GAP1 PE=1 SV=3	0.04 5601	2.79 7381	Yes
CSN3_HUMAN	COP9 signalosome complex subunit 3 OS=Homo sapiens GN=COPS3 PE=1 SV=3	0.00 075	2.78 7567	Yes
ANR17_HUMAN	Ankyrin repeat domain-containing protein 17 OS=Homo sapiens GN=ANKRD17 PE=1 SV=3	0.01 2587	2.78 6055	Yes
SH2D3_HUMAN	SH2 domain-containing protein 3C OS=Homo sapiens OX=9606 GN=SH2D3C PE=1 SV=1	0.01 3595	2.78 0887	Yes

SMAD3_HUMAN	Mothers against decapentaplegic homolog 3 OS=Homo sapiens GN=SMAD3 PE=1 SV=1	0.01 1615	2.77 1847	Yes
IPO5_HUMAN	Importin-5 OS=Homo sapiens GN=IPO5 PE=1 SV=4	0.03 7441	2.77 0264	Yes
RC3H1_HUMAN	Roquin-1 OS=Homo sapiens OX=9606 GN=RC3H1 PE=1 SV=1	0.01 2142	2.72 4808	Yes
AFAP1_HUMAN	Actin filament-associated protein 1 OS=Homo sapiens GN=AFAP1 PE=1 SV=2	0.01 5555	2.72 0453	Yes
OGA_HUMAN	Protein O-GlcNAcase OS=Homo sapiens GN=MGEA5 PE=1 SV=2	0.00 9657	2.69 3999	Yes
TRIP6_HUMAN	Thyroid receptor-interacting protein 6 OS=Homo sapiens GN=TRIP6 PE=1 SV=3	0.01 0581	2.69 3702	Yes
VP37B_HUMAN	Vacuolar protein sorting-associated protein 37B OS=Homo sapiens GN=VPS37B PE=1 SV=1	0.03 7584	2.69 1929	Yes
CSRP1_HUMAN	Cysteine and glycine-rich protein 1 OS=Homo sapiens GN=CSRP1 PE=1 SV=3	0.00 0114	2.69 1348	Yes
TRIO_HUMAN	Triple functional domain protein OS=Homo sapiens GN=TRIO PE=1 SV=2	0.00 526	2.65 35	Yes
FKBP1A_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP1A OS=Homo sapiens GN=FKBP1A PE=1 SV=2	0.00 2026	2.64 9018	Yes
STXB1_HUMAN	Syntaxin-binding protein 1 OS=Homo sapiens GN=STXBP1 PE=1 SV=1	0.00 5539	2.63 9996	Yes
DDX60_HUMAN	Probable ATP-dependent RNA helicase DDX60 OS=Homo sapiens GN=DDX60 PE=1 SV=3	0.03 9312	2.63 0719	Yes
PAWR_HUMAN	PRKC apoptosis WT1 regulator protein OS=Homo sapiens GN=PAWR PE=1 SV=1	0.00 0321	2.62 8984	Yes
PAX1_HUMAN	Paxillin OS=Homo sapiens GN=PXN PE=1 SV=3	0.00 0222	2.62 5654	Yes
DOCK6_HUMAN	Dedicator of cytokinesis protein 6 OS=Homo sapiens GN=DOCK6 PE=1 SV=3	0.00 2313	2.61 8236	Yes
TBK1_HUMAN	Serine/threonine-protein kinase TBK1 OS=Homo sapiens OX=9606 GN=TBK1 PE=1 SV=1	0.02 0531	2.59 5035	Yes

ERLEC_HUMAN	Endoplasmic reticulum lectin 1 OS=Homo sapiens GN=ERLEC1 PE=1 SV=1	0.03 402	2.58 5288	Yes
AGFG1_HUMAN	Arf-GAP domain and FG repeat-containing protein 1 OS=Homo sapiens GN=AGFG1 PE=1 SV=2	0.00 63	2.58 2707	Yes
ANX11_HUMAN	Annexin A11 OS=Homo sapiens GN=ANXA11 PE=1 SV=1	0.00 0403	2.57 8404	Yes
ANR28_HUMAN	Serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A OS=Homo sapiens GN=ANKRD28 PE=1 SV=5	0.04 0024	2.57 6263	Yes
RO52_HUMAN	E3 ubiquitin-protein ligase TRIM21 OS=Homo sapiens GN=TRIM21 PE=1 SV=1	0.03 6325	2.57 5594	Yes
TUT7_HUMAN	Terminal uridylyltransferase 7 OS=Homo sapiens GN=ZCCHC6 PE=1 SV=1	0.01 1953	2.57 4272	Yes
ANFY1_HUMAN	Rabankyrin-5 OS=Homo sapiens GN=ANKFY1 PE=1 SV=2	0.02 4916	2.56 5356	Yes
RLGPB_HUMAN	Ral GTPase-activating protein subunit beta OS=Homo sapiens OX=9606 GN=RALGAPB PE=1 SV=1	0.04 0958	2.56 3796	Yes
TP53B_HUMAN	Tumor suppressor p53-binding protein 1 OS=Homo sapiens GN=TP53BP1 PE=1 SV=2	0.02 7714	2.55 9679	Yes
PSMD9_HUMAN	26S proteasome non-ATPase regulatory subunit 9 OS=Homo sapiens OX=9606 GN=PSMD9 PE=1 SV=3	0.01 258	2.55 8241	Yes
ARHG2_HUMAN	Rho guanine nucleotide exchange factor 2 OS=Homo sapiens GN=ARHGEF2 PE=1 SV=4	0.00 4419	2.53 9698	Yes
YJ005_HUMAN	Uncharacterized protein FLJ45252 OS=Homo sapiens PE=2 SV=2	0.00 0903	2.52 7237	Yes
PUM1_HUMAN	Pumilio homolog 1 OS=Homo sapiens GN=PUM1 PE=1 SV=3	0.01 9997	2.51 9282	Yes
ASCC3_HUMAN	Activating signal cointegrator 1 complex subunit 3 OS=Homo sapiens GN=ASCC3 PE=1 SV=3	0.00 1969	2.51 7154	Yes
TIGAR_HUMAN	Fructose-2,6-bisphosphatase TIGAR OS=Homo sapiens OX=9606 GN=TIGAR PE=1 SV=1	0.03 0309	2.51 6122	Yes
PLXD1_HUMAN	Plexin-D1 OS=Homo sapiens GN=PLXND1 PE=1 SV=3	0.04 5308	2.50 9442	Yes

ABCF3_ HUMAN	ATP-binding cassette sub-family F member 3 OS=Homo sapiens OX=9606 GN=ABCF3 PE=1 SV=2	0.00 1204	2.50 54	Yes
PCAT2_ HUMAN	Lysophosphatidylcholine acyltransferase 2 OS=Homo sapiens GN=LPCAT2 PE=1 SV=1	0.03 8707	2.50 3639	Yes
WDR75_ HUMAN	WD repeat-containing protein 75 OS=Homo sapiens GN=WDR75 PE=1 SV=1	0.01 3914	2.50 1944	Yes
ATF6A_ HUMAN	Cyclic AMP-dependent transcription factor ATF-6 alpha OS=Homo sapiens GN=ATF6 PE=1 SV=3	0.03 3674	2.50 17	Yes
PTPRK_ HUMAN	Receptor-type tyrosine-protein phosphatase kappa OS=Homo sapiens OX=9606 GN=PTPRK PE=1 SV=2	0.03 4637	2.50 1252	Yes
CRIP2_H UMAN	Cysteine-rich protein 2 OS=Homo sapiens GN=CRIP2 PE=1 SV=1	0.00 1127	2.49 9402	Yes
CCD50_ HUMAN	Coiled-coil domain-containing protein 50 OS=Homo sapiens GN=CCDC50 PE=1 SV=1	0.03 3462	2.48 8486	Yes
CYFIP1_ HUMAN	Cytoplasmic FMR1-interacting protein 1 OS=Homo sapiens GN=CYFIP1 PE=1 SV=1	0.00 0375	2.47 0462	Yes
MYO5A_ HUMAN	Unconventional myosin-Va OS=Homo sapiens GN=MYO5A PE=1 SV=2	0.00 4556	2.44 58	Yes
AAPK1_ HUMAN	5'-AMP-activated protein kinase catalytic subunit alpha-1 OS=Homo sapiens GN=PRKAA1 PE=1 SV=4	0.01 8445	2.44 4947	Yes
DP13A_ HUMAN	DCC-interacting protein 13-alpha OS=Homo sapiens GN=APPL1 PE=1 SV=1	0.04 4049	2.40 9599	Yes
SHAN3_ HUMAN	SH3 and multiple ankyrin repeat domains protein 3 OS=Homo sapiens GN=SHANK3 PE=1 SV=3	0.02 347	2.40 3078	Yes
STAT1_ HUMAN	Signal transducer and activator of transcription 1-alpha/beta OS=Homo sapiens GN=STAT1 PE=1 SV=2	0.00 5847	2.39 3214	Yes
AMPD2_ HUMAN	AMP deaminase 2 OS=Homo sapiens GN=AMPD2 PE=1 SV=2	0.04 6441	2.39 2935	Yes
WASF2_ HUMAN	Wiskott-Aldrich syndrome protein family member 2 OS=Homo sapiens GN=WASF2 PE=1 SV=3	0.00 382	2.39 2916	Yes
TB10B_ HUMAN	TBC1 domain family member 10B OS=Homo sapiens GN=TBC1D10B PE=1 SV=3	0.01 2953	2.38 5158	Yes

MRTFB_HUMAN	Myocardin-related transcription factor B OS=Homo sapiens OX=9606 GN=MRTFB PE=1 SV=3	0.03 3528	2.37 6787	Yes
USO1_HUMAN	General vesicular transport factor p115 OS=Homo sapiens GN=USO1 PE=1 SV=2	9.42 E-05	2.37 4248	Yes
SPTC2_HUMAN	Serine palmitoyltransferase 2 OS=Homo sapiens GN=SPTLC2 PE=1 SV=1	0.00 4464	2.36 8093	Yes
NEDD1_HUMAN	Protein NEDD1 OS=Homo sapiens GN=NEDD1 PE=1 SV=1	0.03 3413	2.36 1326	Yes
UBP47_HUMAN	Ubiquitin carboxyl-terminal hydrolase 47 OS=Homo sapiens GN=USP47 PE=1 SV=3	0.00 0415	2.34 2073	Yes
FERM2_HUMAN	Fermitin family homolog 2 OS=Homo sapiens GN=FERMT2 PE=1 SV=1	0.00 0499	2.34 1045	Yes
EDC4_HUMAN	Enhancer of mRNA-decapping protein 4 OS=Homo sapiens GN=EDC4 PE=1 SV=1	0.00 2028	2.33 8826	Yes
MAGD2_HUMAN	Melanoma-associated antigen D2 OS=Homo sapiens GN=MAGED2 PE=1 SV=2	0.00 729	2.32 8079	Yes
STX7_HUMAN	Syntaxin-7 OS=Homo sapiens GN=STX7 PE=1 SV=4	0.00 0306	2.30 8595	Yes
SQSTM_HUMAN	Sequestosome-1 OS=Homo sapiens GN=SQSTM1 PE=1 SV=1	0.00 0457	2.30 4319	Yes
PDC6L_HUMAN	Programmed cell death 6-interacting protein OS=Homo sapiens GN=PDCD6IP PE=1 SV=1	0.00 0143	2.29 7448	Yes
DIAP1_HUMAN	Protein diaphanous homolog 1 OS=Homo sapiens GN=DIAPH1 PE=1 SV=2	6.44 E-05	2.29 6824	Yes
FAK1_HUMAN	Focal adhesion kinase 1 OS=Homo sapiens GN=PTK2 PE=1 SV=2	0.00 4218	2.27 423	Yes
HUWE1_HUMAN	E3 ubiquitin-protein ligase HUWE1 OS=Homo sapiens GN=HUWE1 PE=1 SV=3	0.00 1814	2.26 9427	Yes
CE170_HUMAN	Centrosomal protein of 170 kDa OS=Homo sapiens GN=CEP170 PE=1 SV=1	0.00 0166	2.26 8141	Yes
DCTN4_HUMAN	Dynactin subunit 4 OS=Homo sapiens GN=DCTN4 PE=1 SV=1	0.03 3336	2.26 6115	Yes

PLIN3_HUMAN	Perilipin-3 OS=Homo sapiens GN=PLIN3 PE=1 SV=3	0.00 0287	2.26 2638	Yes
SH3K1_HUMAN	SH3 domain-containing kinase-binding protein 1 OS=Homo sapiens GN=SH3KBP1 PE=1 SV=2	0.03 0776	2.22 1194	Yes
NU188_HUMAN	Nucleoporin NUP188 homolog OS=Homo sapiens OX=9606 GN=NUP188 PE=1 SV=1	0.02 9409	2.21 8047	Yes
ACSL3_HUMAN	Long-chain-fatty-acid--CoA ligase 3 OS=Homo sapiens GN=ACSL3 PE=1 SV=3	0.02 4031	2.21 6516	Yes
NRBP_HUMAN	Nuclear receptor-binding protein OS=Homo sapiens GN=NRBP1 PE=1 SV=1	0.02 8102	2.19 922	Yes
SNTB2_HUMAN	Beta-2-syntrophin OS=Homo sapiens GN=SNTB2 PE=1 SV=1	0.00 0174	2.19 1902	Yes
FND3B_HUMAN	Fibronectin type III domain-containing protein 3B OS=Homo sapiens GN=FNDC3B PE=1 SV=2	0.00 8873	2.18 806	Yes
ATIF1_HUMAN	ATPase inhibitor, mitochondrial OS=Homo sapiens OX=9606 GN=ATP5IF1 PE=1 SV=1	0.03 2343	2.17 6447	Yes
VATD_HUMAN	V-type proton ATPase subunit D OS=Homo sapiens OX=9606 GN=ATP6V1D PE=1 SV=1	0.03 4577	2.17 5315	Yes
NUP62_HUMAN	Nuclear pore glycoprotein p62 OS=Homo sapiens GN=NUP62 PE=1 SV=3	0.03 1814	2.15 9133	Yes
SDCB1_HUMAN	Syntenin-1 OS=Homo sapiens OX=9606 GN=SDCBP PE=1 SV=1	0.03 0212	2.15 7452	Yes
LMO7_HUMAN	LIM domain only protein 7 OS=Homo sapiens GN=LMO7 PE=1 SV=3	0.00 4011	2.15 5787	Yes
SYLC_HUMAN	Leucine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=LARS PE=1 SV=2	6.02 E-06	2.15 5735	Yes
DPYL3_HUMAN	Dihydropyrimidinase-related protein 3 OS=Homo sapiens GN=DPYSL3 PE=1 SV=1	7.22 E-05	2.14 8567	Yes
ITPR3_HUMAN	Inositol 1,4,5-trisphosphate receptor type 3 OS=Homo sapiens GN=ITPR3 PE=1 SV=2	3.47 E-07	2.14 3728	Yes
ANXA7_HUMAN	Annexin A7 OS=Homo sapiens GN=ANXA7 PE=1 SV=3	0.00 6425	2.13 5762	Yes

TAOK2_ HUMAN	Serine/threonine-protein kinase TAO2 OS=Homo sapiens GN=TAOK2 PE=1 SV=2	0.03 1194	2.12 244	Yes
MAP1B_ HUMAN	Microtubule-associated protein 1B OS=Homo sapiens GN=MAP1B PE=1 SV=2	1.45 E-05	2.12 1094	Yes
LASP1_ HUMAN	LIM and SH3 domain protein 1 OS=Homo sapiens GN=LASP1 PE=1 SV=2	0.00 4395	2.11 3874	Yes
STAT3_ HUMAN	Signal transducer and activator of transcription 3 OS=Homo sapiens GN=STAT3 PE=1 SV=2	0.01 9885	2.11 2761	Yes
RIR1_H UMAN	Ribonucleoside-diphosphate reductase large subunit OS=Homo sapiens GN=RRM1 PE=1 SV=1	0.00 0626	2.10 9324	Yes
SCFD1_ HUMAN	Sec1 family domain-containing protein 1 OS=Homo sapiens GN=SCFD1 PE=1 SV=4	0.02 4579	2.09 6875	Yes
OSBL3_ HUMAN	Oxysterol-binding protein-related protein 3 OS=Homo sapiens GN=OSBPL3 PE=1 SV=1	0.00 0105	2.09 3601	Yes
SC23A_ HUMAN	Protein transport protein Sec23A OS=Homo sapiens GN=SEC23A PE=1 SV=2	0.00 0147	2.08 6959	Yes
SC24C_ HUMAN	Protein transport protein Sec24C OS=Homo sapiens GN=SEC24C PE=1 SV=3	0.00 0139	2.08 1192	Yes
CLCB_H UMAN	Clathrin light chain B OS=Homo sapiens GN=CLTB PE=1 SV=1	0.00 0909	2.07 5562	Yes
AKA12_ HUMAN	A-kinase anchor protein 12 OS=Homo sapiens GN=AKAP12 PE=1 SV=4	0.00 0156	2.06 4787	Yes
PACN2_ HUMAN	Protein kinase C and casein kinase substrate in neurons protein 2 OS=Homo sapiens GN=PACSIN2 PE=1 SV=2	0.02 71	2.06 0978	Yes
ADAM9_ HUMAN	Disintegrin and metalloproteinase domain-containing protein 9 OS=Homo sapiens GN=ADAM9 PE=1 SV=1	0.01 841	2.05 9425	Yes
SAMH1_ HUMAN	Deoxynucleoside triphosphate triphosphohydrolase SAMHD1 OS=Homo sapiens GN=SAMHD1 PE=1 SV=2	0.01 0186	2.04 5458	Yes
NAGK_ HUMAN	N-acetyl-D-glucosamine kinase OS=Homo sapiens GN=NAGK PE=1 SV=4	0.01 0317	2.04 0612	Yes
DPYL2_ HUMAN	Dihydropyrimidinase-related protein 2 OS=Homo sapiens GN=DPYSL2 PE=1 SV=1	0.00 8551	2.02 893	Yes

SMC2_H UMAN	Structural maintenance of chromosomes protein 2 OS=Homo sapiens GN=SMC2 PE=1 SV=2	0.00 2456	2.02 8679	Yes
IF4G2_H UMAN	Eukaryotic translation initiation factor 4 gamma 2 OS=Homo sapiens GN=EIF4G2 PE=1 SV=1	0.00 2606	2.02 8282	Yes
BAG6_H UMAN	Large proline-rich protein BAG6 OS=Homo sapiens GN=BAG6 PE=1 SV=2	0.04 2022	2.02 3475	Yes
STAM2_ HUMAN	Signal transducing adapter molecule 2 OS=Homo sapiens GN=STAM2 PE=1 SV=1	0.02 9386	1.99 305	Yes
PDLI4_H UMAN	PDZ and LIM domain protein 4 OS=Homo sapiens GN=PDLIM4 PE=1 SV=2	0.02 2288	1.99 0876	Yes
CADH5_ HUMAN	Cadherin-5 OS=Homo sapiens GN=CDH5 PE=1 SV=5	0.00 8797	1.99 0516	Yes
GCN1_H UMAN	eIF-2-alpha kinase activator GCN1 OS=Homo sapiens OX=9606 GN=GCN1 PE=1 SV=6	0.01 0193	1.98 9524	Yes
PFD6_H UMAN	Prefoldin subunit 6 OS=Homo sapiens OX=9606 GN=PFDN6 PE=1 SV=1	0.03 7181	1.97 7457	Yes
PUR6_H UMAN	Multifunctional protein ADE2 OS=Homo sapiens GN=PAICS PE=1 SV=3	0.01 0302	1.94 3441	Yes
SNAA_H UMAN	Alpha-soluble NSF attachment protein OS=Homo sapiens GN=NAPA PE=1 SV=3	0.03 3843	1.94 1916	Yes
CSN4_H UMAN	COP9 signalosome complex subunit 4 OS=Homo sapiens GN=COPS4 PE=1 SV=1	0.01 3904	1.92 7077	Yes
PLPL6_H UMAN	Neuropathy target esterase OS=Homo sapiens GN=PNPLA6 PE=1 SV=2	0.04 3083	1.92 4124	Yes
PDLI1_H UMAN	PDZ and LIM domain protein 1 OS=Homo sapiens GN=PDLIM1 PE=1 SV=4	0.00 9411	1.92 2992	Yes
SC31A_ HUMAN	Protein transport protein Sec31A OS=Homo sapiens GN=SEC31A PE=1 SV=3	0.00 1011	1.91 6708	Yes
PUR4_H UMAN	Phosphoribosylformylglycinamide synthase OS=Homo sapiens GN=PFAS PE=1 SV=4	0.00 5371	1.90 6092	Yes
ADDA_ HUMAN	Alpha-adducin OS=Homo sapiens GN=ADD1 PE=1 SV=2	0.00 262	1.89 7717	Yes

MACF1_HUMAN	Microtubule-actin cross-linking factor 1, isoforms 1/2/3/5 OS=Homo sapiens GN=MACF1 PE=1 SV=4	8.13 E-05	1.89 53	Yes
PURA_HUMAN	Transcriptional activator protein Pur-alpha OS=Homo sapiens GN=PURA PE=1 SV=2	0.02 9248	1.89 1173	Yes
BICD2_HUMAN	Protein bicaudal D homolog 2 OS=Homo sapiens OX=9606 GN=BICD2 PE=1 SV=1	0.03 5038	1.88 0406	Yes
PYR1_HUMAN	CAD protein OS=Homo sapiens GN=CAD PE=1 SV=3	0.00 0486	1.87 518	Yes
SMC4_HUMAN	Structural maintenance of chromosomes protein 4 OS=Homo sapiens GN=SMC4 PE=1 SV=2	0.01 8679	1.86 3107	Yes
UBR4_HUMAN	E3 ubiquitin-protein ligase UBR4 OS=Homo sapiens GN=UBR4 PE=1 SV=1	0.00 1484	1.82 8102	Yes
UBP10_HUMAN	Ubiquitin carboxyl-terminal hydrolase 10 OS=Homo sapiens GN=USP10 PE=1 SV=2	0.00 1682	1.81 5777	Yes
RAIN_HUMAN	Ras-interacting protein 1 OS=Homo sapiens GN=RASIP1 PE=1 SV=1	0.00 1381	1.81 1896	Yes
KINH_HUMAN	Kinesin-1 heavy chain OS=Homo sapiens GN=KIF5B PE=1 SV=1	1.15 E-05	1.80 0829	Yes
GUAA_HUMAN	GMP synthase [glutamine-hydrolyzing] OS=Homo sapiens GN=GMPS PE=1 SV=1	0.00 0422	1.79 2062	Yes
TARA_HUMAN	TRIO and F-actin-binding protein OS=Homo sapiens GN=TRIOBP PE=1 SV=3	0.01 1905	1.77 5144	Yes
PPR18_HUMAN	Phostensin OS=Homo sapiens GN=PPP1R18 PE=1 SV=1	0.00 5237	1.76 6624	Yes
IF4G1_HUMAN	Eukaryotic translation initiation factor 4 gamma 1 OS=Homo sapiens GN=EIF4G1 PE=1 SV=4	0.00 017	1.76 4813	Yes
PUR2_HUMAN	Trifunctional purine biosynthetic protein adenosine-3 OS=Homo sapiens GN=GART PE=1 SV=1	0.00 044	1.75 4509	Yes
BIRC6_HUMAN	Baculoviral IAP repeat-containing protein 6 OS=Homo sapiens GN=BIRC6 PE=1 SV=2	0.04 8212	1.74 5702	Yes
NUFP2_HUMAN	Nuclear fragile X mental retardation-interacting protein 2 OS=Homo sapiens GN=NUFIP2 PE=1 SV=1	0.00 2409	1.74 0333	Yes

NIBL1_HUMAN	Niban-like protein 1 OS=Homo sapiens GN=FAM129B PE=1 SV=3	0.02 9152	1.72 6038	Yes
E2AK2_HUMAN	Interferon-induced, double-stranded RNA-activated protein kinase OS=Homo sapiens GN=EIF2AK2 PE=1 SV=2	0.00 725	1.72 4661	Yes
PRC2C_HUMAN	Protein PRRC2C OS=Homo sapiens GN=PRRC2C PE=1 SV=4	0.00 8545	1.72 3568	Yes
ESYT1_HUMAN	Extended synaptotagmin-1 OS=Homo sapiens GN=ESYT1 PE=1 SV=1	0.00 1124	1.70 2999	Yes
DCTN2_HUMAN	Dynactin subunit 2 OS=Homo sapiens GN=DCTN2 PE=1 SV=4	0.00 1424	1.69 2973	Yes
FAS_HUMAN	Fatty acid synthase OS=Homo sapiens GN=FASN PE=1 SV=3	3.16 E-06	1.69 1089	Yes
RPB2_HUMAN	DNA-directed RNA polymerase II subunit RPB2 OS=Homo sapiens GN=POLR2B PE=1 SV=1	0.01 4134	1.69 0781	Yes
BAG3_HUMAN	BAG family molecular chaperone regulator 3 OS=Homo sapiens GN=BAG3 PE=1 SV=3	0.04 1321	1.68 2548	Yes
FLNB_HUMAN	Filamin-B OS=Homo sapiens GN=FLNB PE=1 SV=2	0.00 03	1.68 2275	Yes
HCLS1_HUMAN	Hematopoietic lineage cell-specific protein OS=Homo sapiens GN=HCLS1 PE=1 SV=3	0.00 0243	1.66 4939	Yes
PARVA_HUMAN	Alpha-parvin OS=Homo sapiens GN=PARVA PE=1 SV=1	0.03 8503	1.65 9496	Yes
AIP_HUMAN	AH receptor-interacting protein OS=Homo sapiens OX=9606 GN=AIP PE=1 SV=2	0.02 3726	1.64 3706	Yes
ACLY_HUMAN	ATP-citrate synthase OS=Homo sapiens GN=ACLY PE=1 SV=3	4.22 E-05	1.63 7672	Yes
PR40A_HUMAN	Pre-mRNA-processing factor 40 homolog A OS=Homo sapiens GN=PRPF40A PE=1 SV=2	0.04 5604	1.63 5373	Yes
TRI22_HUMAN	E3 ubiquitin-protein ligase TRIM22 OS=Homo sapiens GN=TRIM22 PE=1 SV=1	0.04 1064	1.62 5695	Yes
AP3B1_HUMAN	AP-3 complex subunit beta-1 OS=Homo sapiens GN=AP3B1 PE=1 SV=3	0.00 2437	1.61 9158	Yes

MTA2_H UMAN	Metastasis-associated protein MTA2 OS=Homo sapiens GN=MTA2 PE=1 SV=1	0.04 8988	1.60 9491	Yes
LDHB_H UMAN	L-lactate dehydrogenase B chain OS=Homo sapiens GN=LDHB PE=1 SV=2	0.01 5745	1.59 0923	Yes
MEP50_ HUMAN	Methylosome protein 50 OS=Homo sapiens GN=WDR77 PE=1 SV=1	0.03 9629	1.58 4602	Yes
GFPT1_ HUMAN	Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1 OS=Homo sapiens GN=GFPT1 PE=1 SV=3	0.03 0839	1.56 5989	Yes
LARP1_ HUMAN	La-related protein 1 OS=Homo sapiens GN=LARP1 PE=1 SV=2	0.02 2981	1.56 4976	Yes
FA98A_ HUMAN	Protein FAM98A OS=Homo sapiens GN=FAM98A PE=1 SV=1	0.04 1505	1.56 3167	Yes
C1QBP_ HUMAN	Complement component 1 Q subcomponent-binding protein, mitochondrial OS=Homo sapiens GN=C1QBP PE=1 SV=1	0.04 4672	1.55 592	Yes
BCAT1_ HUMAN	Branched-chain-amino-acid aminotransferase, cytosolic OS=Homo sapiens GN=BCAT1 PE=1 SV=3	0.00 3218	1.55 2334	Yes
LUZP1_ HUMAN	Leucine zipper protein 1 OS=Homo sapiens GN=LUZP1 PE=1 SV=2	0.00 2875	1.54 6654	Yes
RHOC_H UMAN	Rho-related GTP-binding protein RhoC OS=Homo sapiens GN=RHOC PE=1 SV=1	0.01 0375	1.54 1246	Yes
RUVB2_ HUMAN	RuvB-like 2 OS=Homo sapiens GN=RUVBL2 PE=1 SV=3	0.00 1184	1.53 059	Yes
FBLI1_H UMAN	Filamin-binding LIM protein 1 OS=Homo sapiens GN=FBLIM1 PE=1 SV=2	0.02 0639	1.52 7326	Yes
LIMA1_ HUMAN	LIM domain and actin-binding protein 1 OS=Homo sapiens GN=LIMA1 PE=1 SV=1	0.00 7683	1.52 3271	Yes
VINC_H UMAN	Vinculin OS=Homo sapiens GN=VCL PE=1 SV=4	0.00 0628	1.51 1659	Yes
EIF3L_H UMAN	Eukaryotic translation initiation factor 3 subunit L OS=Homo sapiens GN=EIF3L PE=1 SV=1	0.00 1402	1.51 0181	Yes
SEPT6_H UMAN	Septin-6 OS=Homo sapiens GN=SEPT6 PE=1 SV=4	0.00 4033	1.49 971	Yes

AIMP1_HUMAN	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 OS=Homo sapiens GN=AIMP1 PE=1 SV=2	0.01 9182	1.49 0522	Yes
SRC8_HUMAN	Src substrate cortactin OS=Homo sapiens GN=CTTN PE=1 SV=2	0.01 2512	1.48 4281	Yes
SYAP1_HUMAN	Synapse-associated protein 1 OS=Homo sapiens GN=SYAP1 PE=1 SV=1	0.02 6561	1.48 0371	Yes
PHLB1_HUMAN	Pleckstrin homology-like domain family B member 1 OS=Homo sapiens GN=PHLDB1 PE=1 SV=1	0.00 7907	1.47 2458	Yes
FKBP8_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP8 OS=Homo sapiens GN=FKBP8 PE=1 SV=2	0.00 3115	1.47 0234	Yes
RUVB1_HUMAN	RuvB-like 1 OS=Homo sapiens GN=RUVBL1 PE=1 SV=1	0.00 2565	1.45 5219	Yes
CNN2_HUMAN	Calponin-2 OS=Homo sapiens GN=CNN2 PE=1 SV=4	0.00 2897	1.44 2156	Yes
ATX2L_HUMAN	Ataxin-2-like protein OS=Homo sapiens GN=ATXN2L PE=1 SV=2	0.00 2277	1.43 8212	Yes
HCFC1_HUMAN	Host cell factor 1 OS=Homo sapiens GN=HCFC1 PE=1 SV=2	0.00 0351	1.43 1351	Yes
TERA_HUMAN	Transitional endoplasmic reticulum ATPase OS=Homo sapiens GN=VCP PE=1 SV=4	4.66 E-06	1.42 0736	Yes
RAI14_HUMAN	Ankyrin OS=Homo sapiens GN=RAI14 PE=1 SV=2	0.00 1474	1.41 1889	Yes
GNAS1_HUMAN	Guanine nucleotide-binding protein G(s) subunit alpha isoforms XLas OS=Homo sapiens GN=GNAS PE=1 SV=2	0.04 842	1.40 8713	Yes
LRRF1_HUMAN	Leucine-rich repeat flightless-interacting protein 1 OS=Homo sapiens GN=LRRFIP1 PE=1 SV=2	0.00 0613	1.39 558	Yes
ILK_HUMAN	Integrin-linked protein kinase OS=Homo sapiens GN=ILK PE=1 SV=2	0.00 6485	1.38 551	Yes
CLH1_HUMAN	Clathrin heavy chain 1 OS=Homo sapiens GN=CLTC PE=1 SV=5	1.75 E-06	1.38 1501	Yes
DHX30_HUMAN	Putative ATP-dependent RNA helicase DHX30 OS=Homo sapiens GN=DHX30 PE=1 SV=1	0.01 7456	1.38 1024	Yes

CAV1_H UMAN	Caveolin-1 OS=Homo sapiens GN=CAV1 PE=1 SV=4	0.00 2729	1.37 5915	Yes
AEDO_H UMAN	2-aminoethanethiol dioxygenase OS=Homo sapiens OX=9606 GN=ADO PE=1 SV=2	0.00 3535	1.36 3179	Yes
SYIC_H UMAN	Isoleucine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=IARS PE=1 SV=2	0.00 1986	1.35 297	Yes
SYYC_H UMAN	Tyrosine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=YARS PE=1 SV=4	0.00 4846	1.34 7927	Yes
SC22B_ HUMAN	Vesicle-trafficking protein SEC22b OS=Homo sapiens GN=SEC22B PE=1 SV=4	0.00 856	1.33 5572	Yes
LTOR1_ HUMAN	Ragulator complex protein LAMTOR1 OS=Homo sapiens GN=LAMTOR1 PE=1 SV=2	0.03 546	1.30 8853	Yes
KLC1_H UMAN	Kinesin light chain 1 OS=Homo sapiens GN=KLC1 PE=1 SV=2	0.01 7656	1.29 3252	Yes
FLII_HU MAN	Protein flightless-1 homolog OS=Homo sapiens GN=FLII PE=1 SV=2	0.01 8979	1.28 9181	Yes
VASP_H UMAN	Vasodilator-stimulated phosphoprotein OS=Homo sapiens GN=VASP PE=1 SV=3	0.00 9007	1.28 2259	Yes
SYEP_H UMAN	Bifunctional glutamate/proline--tRNA ligase OS=Homo sapiens GN=EPRS PE=1 SV=5	0.00 0204	1.27 9576	Yes
PURA2_ HUMAN	Adenylosuccinate synthetase isozyme 2 OS=Homo sapiens GN=ADSS PE=1 SV=3	0.00 6766	1.27 8024	Yes
EIF3E_H UMAN	Eukaryotic translation initiation factor 3 subunit E OS=Homo sapiens GN=EIF3E PE=1 SV=1	0.00 2635	1.26 4111	Yes
PGAM5_ HUMAN	Serine/threonine-protein phosphatase PGAM5, mitochondrial OS=Homo sapiens GN=PGAM5 PE=1 SV=2	0.01 0756	1.26 4014	Yes
CAPR1_ HUMAN	Caprin-1 OS=Homo sapiens GN=CAPRIN1 PE=1 SV=2	0.00 5167	1.26 356	Yes
DYHC1_ HUMAN	Cytoplasmic dynein 1 heavy chain 1 OS=Homo sapiens GN=DYNC1H1 PE=1 SV=5	5.55 E-05	1.25 7431	Yes
UBE2O_ HUMAN	(E3-independent) E2 ubiquitin-conjugating enzyme OS=Homo sapiens OX=9606 GN=UBE2O PE=1 SV=3	0.02 5061	1.23 823	Yes

AASD1_HUMAN	Alanyl-tRNA editing protein Aarsd1 OS=Homo sapiens GN=AARSD1 PE=1 SV=2	0.04 8609	1.23 2043	Yes
HSP74_HUMAN	Heat shock 70 kDa protein 4 OS=Homo sapiens GN=HSPA4 PE=1 SV=4	0.03 4726	1.21 9856	Yes
E41L3_HUMAN	Band 4.1-like protein 3 OS=Homo sapiens GN=EPB41L3 PE=1 SV=2	0.00 8295	1.21 7962	Yes
FLNC_HUMAN	Filamin-C OS=Homo sapiens GN=FLNC PE=1 SV=3	0.00 2547	1.20 8848	Yes
F120A_HUMAN	Constitutive coactivator of PPAR-gamma-like protein 1 OS=Homo sapiens GN=FAM120A PE=1 SV=2	0.03 8626	1.19 8264	Yes
SYAC_HUMAN	Alanine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=AARS PE=1 SV=2	0.02 9569	1.19 456	Yes
FLNA_HUMAN	Filamin-A OS=Homo sapiens GN=FLNA PE=1 SV=4	6.82 E-06	1.18 7873	Yes
RAB7A_HUMAN	Ras-related protein Rab-7a OS=Homo sapiens GN=RAB7A PE=1 SV=1	0.00 9365	1.13 3943	Yes
TRI25_HUMAN	E3 ubiquitin/ISG15 ligase TRIM25 OS=Homo sapiens GN=TRIM25 PE=1 SV=2	0.00 3466	1.13 2377	Yes
ZN185_HUMAN	Zinc finger protein 185 OS=Homo sapiens GN=ZNF185 PE=1 SV=3	0.00 1509	1.12 6986	Yes
VATA_HUMAN	V-type proton ATPase catalytic subunit A OS=Homo sapiens GN=ATP6V1A PE=1 SV=2	0.04 9112	1.11 5868	Yes
STRAP_HUMAN	Serine-threonine kinase receptor-associated protein OS=Homo sapiens GN=STRAP PE=1 SV=1	0.01 7965	1.10 8508	Yes
SYRC_HUMAN	Arginine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=RARS PE=1 SV=2	0.01 2617	1.09 948	Yes
SYMC_HUMAN	Methionine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=MARS PE=1 SV=2	0.00 046	1.09 219	Yes
MYOF_HUMAN	Myoferlin OS=Homo sapiens GN=MYOF PE=1 SV=1	0.00 532	1.08 491	Yes
EIF3C_HUMAN	Eukaryotic translation initiation factor 3 subunit C OS=Homo sapiens GN=EIF3C PE=1 SV=1	0.01 3477	1.06 8656	Yes

AT2A2_HUMAN	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 OS=Homo sapiens GN=ATP2A2 PE=1 SV=1	0.00 0751	1.04 1374	Yes
M4K4_HUMAN	Mitogen-activated protein kinase kinase kinase 4 OS=Homo sapiens GN=MAP4K4 PE=1 SV=2	0.02 3262	1.03 8038	Yes
NOS3_HUMAN	Nitric oxide synthase, endothelial OS=Homo sapiens GN=NOS3 PE=1 SV=3	0.00 7157	1.03 6758	Yes
VATH_HUMAN	V-type proton ATPase subunit H OS=Homo sapiens GN=ATP6V1H PE=1 SV=1	0.00 7538	1.03 141	Yes
C1TC_HUMAN	C-1-tetrahydrofolate synthase, cytoplasmic OS=Homo sapiens GN=MTHFD1 PE=1 SV=3	0.02 2015	1.01 3256	Yes
MARE2_HUMAN	Microtubule-associated protein RP/EB family member 2 OS=Homo sapiens GN=MAPRE2 PE=1 SV=1	0.01 6431	1.01 0044	Yes
PDCD5_HUMAN	Programmed cell death protein 5 OS=Homo sapiens GN=PDCD5 PE=1 SV=3	0.04 094	1.00 8867	Yes
HS105_HUMAN	Heat shock protein 105 kDa OS=Homo sapiens GN=HSPH1 PE=1 SV=1	0.00 1666	0.98 6707	Yes
VIGLN_HUMAN	Vigilin OS=Homo sapiens GN=HDLBP PE=1 SV=2	0.00 0793	0.98 3972	Yes
CDC37_HUMAN	Hsp90 co-chaperone Cdc37 OS=Homo sapiens GN=CDC37 PE=1 SV=1	0.01 9869	0.97 4759	Yes
TBA4A_HUMAN	Tubulin alpha-4A chain OS=Homo sapiens GN=TUBA4A PE=1 SV=1	0.02 8545	0.97 369	Yes
IF2B1_HUMAN	Insulin-like growth factor 2 mRNA-binding protein 1 OS=Homo sapiens GN=IGF2BP1 PE=1 SV=2	0.03 0549	0.95 3009	Yes
PRS7_HUMAN	26S protease regulatory subunit 7 OS=Homo sapiens GN=PSMC2 PE=1 SV=3	0.04 4303	0.93 7132	Yes
EIF3B_HUMAN	Eukaryotic translation initiation factor 3 subunit B OS=Homo sapiens GN=EIF3B PE=1 SV=3	0.01 991	0.90 5652	Yes
ICLN_HUMAN	Methylosome subunit pICln OS=Homo sapiens GN=CLNS1A PE=1 SV=1	0.04 4429	0.86 8975	Yes
IF4B_HUMAN	Eukaryotic translation initiation factor 4B OS=Homo sapiens GN=EIF4B PE=1 SV=2	0.03 033	0.86 6728	Yes

IMDH2_HUMAN	Inosine-5'-monophosphate dehydrogenase 2 OS=Homo sapiens GN=IMPDH2 PE=1 SV=2	0.00 4096	0.86 4842	Yes
LDHA_HUMAN	L-lactate dehydrogenase A chain OS=Homo sapiens GN=LDHA PE=1 SV=2	0.01 3758	0.82 7844	Yes
PDLI5_HUMAN	PDZ and LIM domain protein 5 OS=Homo sapiens GN=PDLIM5 PE=1 SV=5	0.03 6008	0.82 1118	Yes
IQGA1_HUMAN	Ras GTPase-activating-like protein IQGAP1 OS=Homo sapiens GN=IQGAP1 PE=1 SV=1	0.00 2834	0.79 319	Yes
COPA_HUMAN	Coatomer subunit alpha OS=Homo sapiens GN=COPA PE=1 SV=2	0.01 4445	0.76 972	Yes
PLEC_HUMAN	Plectin OS=Homo sapiens GN=PLEC PE=1 SV=3	0.04 5634	0.74 798	Yes
PRS8_HUMAN	26S protease regulatory subunit 8 OS=Homo sapiens GN=PSMC5 PE=1 SV=1	0.00 4718	0.74 5663	Yes
EIF3D_HUMAN	Eukaryotic translation initiation factor 3 subunit D OS=Homo sapiens GN=EIF3D PE=1 SV=1	0.04 7491	0.71 6681	Yes
TLN1_HUMAN	Talin-1 OS=Homo sapiens GN=TLN1 PE=1 SV=3	0.00 6367	0.70 6043	Yes
SEPT9_HUMAN	Septin-9 OS=Homo sapiens GN=SEPT9 PE=1 SV=2	0.04 6431	0.66 2045	Yes
PRKDC_HUMAN	DNA-dependent protein kinase catalytic subunit OS=Homo sapiens GN=PRKDC PE=1 SV=3	0.00 109	0.65 5367	Yes
MYO1C_HUMAN	Unconventional myosin-Ic OS=Homo sapiens GN=MYO1C PE=1 SV=4	0.02 6925	0.62 1684	Yes
MAP4_HUMAN	Microtubule-associated protein 4 OS=Homo sapiens GN=MAP4 PE=1 SV=3	0.03 9769	0.59 451	Yes
NUCL_HUMAN	Nucleolin OS=Homo sapiens GN=NCL PE=1 SV=3	0.03 7389	- 0.50 081	Yes
ARC1B_HUMAN	Actin-related protein 2/3 complex subunit 1B OS=Homo sapiens GN=ARPC1B PE=1 SV=3	0.02 8188	- 0.60 465	Yes

PYC_HUMAN	Pyruvate carboxylase, mitochondrial OS=Homo sapiens GN=PC PE=1 SV=2	0.03 6599	- 0.67 047	Yes
SF3B2_HUMAN	Splicing factor 3B subunit 2 OS=Homo sapiens GN=SF3B2 PE=1 SV=2	0.04 0266	- 0.67 577	Yes
P5CS_HUMAN	Delta-1-pyrroline-5-carboxylate synthase OS=Homo sapiens GN=ALDH18A1 PE=1 SV=2	0.03 1959	- 0.77 908	Yes
LYAR_HUMAN	Cell growth-regulating nucleolar protein OS=Homo sapiens GN=LYAR PE=1 SV=2	0.04 3864	- 0.79 779	Yes
RBMX_HUMAN	RNA-binding motif protein, X chromosome OS=Homo sapiens GN=RBMX PE=1 SV=3	0.00 3718	- 1.21 503	Yes
EIF1AX_HUMAN	Eukaryotic translation initiation factor 1A, X-chromosomal OS=Homo sapiens GN=EIF1AX PE=1 SV=2	0.00 0181	- 1.21 827	Yes
SETLP_HUMAN	Protein SETSIP OS=Homo sapiens GN=SETSIP PE=1 SV=1	0.01 8509	- 1.24 764	Yes
ODPB_HUMAN	Pyruvate dehydrogenase E1 component subunit beta, mitochondrial OS=Homo sapiens GN=PDHB PE=1 SV=3	0.01 8236	- 1.35 935	Yes
EFTS_HUMAN	Elongation factor Ts, mitochondrial OS=Homo sapiens GN=TSFM PE=1 SV=2	0.01 4748	- 1.40 717	Yes
CATZ_HUMAN	Cathepsin Z OS=Homo sapiens GN=CTSZ PE=1 SV=1	0.01 3241	- 1.55 922	Yes
PSB5_HUMAN	Proteasome subunit beta type-5 OS=Homo sapiens GN=PSMB5 PE=1 SV=3	0.00 9484	- 1.56 471	Yes
CATA_HUMAN	Catalase OS=Homo sapiens GN=CAT PE=1 SV=3	0.01 5513	- 1.67 223	Yes

AN32B_HUMAN	Acidic leucine-rich nuclear phosphoprotein 32 family member B OS=Homo sapiens GN=ANP32B PE=1 SV=1	0.04 5014	- 1.77 358	Yes
K2C1_HUMAN	Keratin, type II cytoskeletal 1 OS=Homo sapiens GN=KRT1 PE=1 SV=6	0.01 4714	- 1.79 591	Yes
UBC12_HUMAN	NEDD8-conjugating enzyme Ubc12 OS=Homo sapiens OX=9606 GN=UBE2M PE=1 SV=1	0.02 8444	- 1.95 156	Yes
ARGL1_HUMAN	Arginine and glutamate-rich protein 1 OS=Homo sapiens GN=ARGLU1 PE=1 SV=1	0.02 0226	- 1.97 655	Yes
CALM1_HUMAN	Calmodulin-1 OS=Homo sapiens OX=9606 GN=CALM1 PE=1 SV=1	0.03 5154	- 2.22 427	Yes
K1C9_HUMAN	Keratin, type I cytoskeletal 9 OS=Homo sapiens GN=KRT9 PE=1 SV=3	0.01 7709	- 2.38 041	Yes
MPPB_HUMAN	Mitochondrial-processing peptidase subunit beta OS=Homo sapiens OX=9606 GN=PMPCB PE=1 SV=2	0.01 7833	- 2.41 27	Yes
EBP2_HUMAN	Probable rRNA-processing protein EBP2 OS=Homo sapiens GN=EBNA1BP2 PE=1 SV=2	0.04 0953	- 2.73 658	Yes
RM23_HUMAN	39S ribosomal protein L23, mitochondrial OS=Homo sapiens OX=9606 GN=MRPL23 PE=1 SV=1	0.02 0351	- 2.84 405	Yes
RM22_HUMAN	39S ribosomal protein L22, mitochondrial OS=Homo sapiens GN=MRPL22 PE=1 SV=1	0.00 6129	- 3.30 197	Yes
RIR2_HUMAN	Ribonucleoside-diphosphate reductase subunit M2 OS=Homo sapiens GN=RRM2 PE=1 SV=1	0.01 2398	- 4.09 256	Yes

Table S3. Full list of proteins identified by Rab27a-eGFP-APEX2 proximity in HAI stimulated endothelial cells

Acc	Prot Name	p value	fold (log ₂ scale)	Significant
MAST4_HUMAN	Microtubule-associated serine/threonine-protein kinase 4 OS=Homo sapiens GN=MAST4 PE=1 SV=3	9.32E-05	7.529023	Yes
UN13D_HUMAN	Protein unc-13 homolog D OS=Homo sapiens GN=UNC13D PE=1 SV=1	0.000178	7.45639	Yes
MX1_HUMAN	Interferon-induced GTP-binding protein Mx1 OS=Homo sapiens GN=MX1 PE=1 SV=4	0.006616	7.160117	Yes
COBL1_HUMAN	Cordon-bleu protein-like 1 OS=Homo sapiens GN=COBLL1 PE=1 SV=2	0.016161	7.024407	Yes
MAP1A_HUMAN	Microtubule-associated protein 1A OS=Homo sapiens OX=9606 GN=MAP1A PE=1 SV=6	0.019909	6.952749	Yes
STA13_HUMAN	StAR-related lipid transfer protein 13 OS=Homo sapiens OX=9606 GN=STARD13 PE=1 SV=2	1.08E-06	6.83697	Yes
BCAR1_HUMAN	Breast cancer anti-estrogen resistance protein 1 OS=Homo sapiens GN=BCAR1 PE=1 SV=2	0.000257	6.82392	Yes
GBF1_HUMAN	Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1 OS=Homo sapiens GN=GBF1 PE=1 SV=2	0.000493	6.795715	Yes
BCR_HUMAN	Breakpoint cluster region protein OS=Homo sapiens GN=BCR PE=1 SV=2	3.78E-05	6.676825	Yes
RN213_HUMAN	E3 ubiquitin-protein ligase RNF213 OS=Homo sapiens GN=RNF213 PE=1 SV=3	0.000195	6.664777	Yes
JIP4_HUMAN	C-Jun-amino-terminal kinase-interacting protein 4 OS=Homo sapiens GN=SPAG9 PE=1 SV=4	1.01E-06	6.583016	Yes
GOGA2_HUMAN	Golgin subfamily A member 2 OS=Homo sapiens GN=GOLGA2 PE=1 SV=3	4.59E-05	6.350477	Yes
NAV3_HUMAN	Neuron navigator 3 OS=Homo sapiens GN=NAV3 PE=1 SV=3	0.024298	6.320717	Yes
TMCC3_HUMAN	Transmembrane and coiled-coil domains protein 3 OS=Homo sapiens GN=TMCC3 PE=2 SV=3	0.025464	6.30649	Yes
CLAP1_HUMAN	CLIP-associating protein 1 OS=Homo sapiens GN=CLASP1 PE=1 SV=1	0.003281	6.262151	Yes
GOPC_HUMAN	Golgi-associated PDZ and coiled-coil motif-containing protein OS=Homo sapiens GN=GOPC PE=1 SV=1	4.21E-07	6.259285	Yes

COG1_HUMAN	Conserved oligomeric Golgi complex subunit 1 OS=Homo sapiens GN=COG1 PE=1 SV=1	0.00 350 6	6.12 602 6	Yes
HGS_HUMAN	Hepatocyte growth factor-regulated tyrosine kinase substrate OS=Homo sapiens GN=HGS PE=1 SV=1	1.56 E- 05	6.12 467	Yes
TRAD1_HUMAN	TRAF-type zinc finger domain-containing protein 1 OS=Homo sapiens OX=9606 GN=TRAFD1 PE=1 SV=1	0.02 358	6.08 684 8	Yes
GOGA5_HUMAN	Golgin subfamily A member 5 OS=Homo sapiens GN=GOLGA5 PE=1 SV=3	4.74 E- 07	6.07 105 3	Yes
KLC2_HUMAN	Kinesin light chain 2 OS=Homo sapiens GN=KLC2 PE=1 SV=1	0.01 978 5	6.03 244 1	Yes
STAM2_HUMAN	Signal transducing adapter molecule 2 OS=Homo sapiens GN=STAM2 PE=1 SV=1	0.00 835 8	6.02 641 7	Yes
GCP3_HUMAN	Gamma-tubulin complex component 3 OS=Homo sapiens GN=TUBGCP3 PE=1 SV=2	0.01 324	6.01 442 5	Yes
FRM4A_HUMAN	FERM domain-containing protein 4A OS=Homo sapiens GN=FRMD4A PE=1 SV=3	0.01 439 8	5.98 993 6	Yes
UACA_HUMAN	Uveal autoantigen with coiled-coil domains and ankyrin repeats OS=Homo sapiens GN=UACA PE=1 SV=2	0.00 651 3	5.96 701 5	Yes
PRRC1_HUMAN	Protein PRRC1 OS=Homo sapiens OX=9606 GN=PRRC1 PE=1 SV=1	0.00 016 5	5.94 966	Yes
41_HUMAN	Protein 4.1 OS=Homo sapiens OX=9606 GN=EPB41 PE=1 SV=4	0.04 310 5	5.94 411 6	Yes
TGFI1_HUMAN	Transforming growth factor beta-1-induced transcript 1 protein OS=Homo sapiens OX=9606 GN=TGFB1I1 PE=1 SV=2	0.01 004 2	5.93 563 1	Yes
PRC2B_HUMAN	Protein PRRC2B OS=Homo sapiens GN=PRRC2B PE=1 SV=2	0.01 165 2	5.88 661 7	Yes
RHG21_HUMAN	Rho GTPase-activating protein 21 OS=Homo sapiens GN=ARHGAP21 PE=1 SV=1	0.00 400 6	5.88 351 5	Yes
DJC13_HUMAN	DnaJ homolog subfamily C member 13 OS=Homo sapiens GN=DNAJC13 PE=1 SV=5	1.01 E- 05	5.87 968 9	Yes
GOGA3_HUMAN	Golgin subfamily A member 3 OS=Homo sapiens GN=GOLGA3 PE=1 SV=2	1.53 E- 05	5.65 643 4	Yes
DOCK4_HUMAN	Dedicator of cytokinesis protein 4 OS=Homo sapiens GN=DOCK4 PE=1 SV=3	0.00 603 4	5.58 632 1	Yes
VP37A_HUMAN	Vacuolar protein sorting-associated protein 37A OS=Homo sapiens OX=9606 GN=VPS37A PE=1 SV=1	0.00 019 9	5.50 694 9	Yes

CASP_HUMAN	Protein CASP OS=Homo sapiens OX=9606 GN=CUX1 PE=1 SV=2	0.00 532 3	5.50 611	Yes
RFIP5_HUMAN	Rab11 family-interacting protein 5 OS=Homo sapiens GN=RAB11FIP5 PE=1 SV=1	5.75 E- 06	5.41 608 7	Yes
GOSR1_HUMAN	Golgi SNAP receptor complex member 1 OS=Homo sapiens OX=9606 GN=GOSR1 PE=1 SV=1	0.00 143	5.39 162 7	Yes
HELZ2_HUMAN	Helicase with zinc finger domain 2 OS=Homo sapiens OX=9606 GN=HELZ2 PE=1 SV=6	0.02 586 1	5.35 861 9	Yes
NFKB2_HUMAN	Nuclear factor NF-kappa-B p100 subunit OS=Homo sapiens GN=NFKB2 PE=1 SV=4	0.00 020 6	5.32 941 8	Yes
UBP8_HUMAN	Ubiquitin carboxyl-terminal hydrolase 8 OS=Homo sapiens GN=USP8 PE=1 SV=1	0.00 915 4	5.31 788 3	Yes
IFIT3_HUMAN	Interferon-induced protein with tetratricopeptide repeats 3 OS=Homo sapiens GN=IFIT3 PE=1 SV=1	0.00 074 5	5.30 05	Yes
A16A1_HUMAN	Aldehyde dehydrogenase family 16 member A1 OS=Homo sapiens GN=ALDH16A1 PE=1 SV=2	0.02 499 3	5.22 742 1	Yes
SYTL4_HUMAN	Synaptotagmin-like protein 4 OS=Homo sapiens GN=SYTL4 PE=1 SV=2	0.00 013 2	5.21 608 5	Yes
WNK1_HUMAN	Serine/threonine-protein kinase WNK1 OS=Homo sapiens GN=WNK1 PE=1 SV=2	0.00 236 9	5.21 166 1	Yes
STX5_HUMAN	Syntaxin-5 OS=Homo sapiens OX=9606 GN=STX5 PE=1 SV=2	0.03 536 8	5.18 928 9	Yes
BD1L1_HUMAN	Biorientation of chromosomes in cell division protein 1-like 1 OS=Homo sapiens GN=BOD1L1 PE=1 SV=2	0.03 042 4	5.15 201 4	Yes
GOGA1_HUMAN		0.03 881 6	5.14 579 3	Yes
GIT1_HUMAN	ARF GTPase-activating protein GIT1 OS=Homo sapiens GN=GIT1 PE=1 SV=2	0.00 117 2	5.13 331 7	Yes
KDIS_HUMAN	Kinase D-interacting substrate of 220 kDa OS=Homo sapiens OX=9606 GN=KIDINS220 PE=1 SV=3	0.04 888 8	5.11 875 3	Yes
VP13C_HUMAN	Vacuolar protein sorting-associated protein 13C OS=Homo sapiens GN=VPS13C PE=1 SV=1	0.00 765 8	5.08 990 7	Yes
BIG2_HUMAN	Brefeldin A-inhibited guanine nucleotide-exchange protein 2 OS=Homo sapiens GN=ARFGEF2 PE=1 SV=3	0.01 496 7	5.08 118 5	Yes
UBXN4_HUMAN	UBX domain-containing protein 4 OS=Homo sapiens OX=9606 GN=UBXN4 PE=1 SV=2	6.23 E- 05	5.07 705 3	Yes

RELB_HUMAN	Transcription factor RelB OS=Homo sapiens OX=9606 GN=RELB PE=1 SV=2	0.00 147 4	5.05 855 9	Yes
TPPC8_HUMAN	Trafficking protein particle complex subunit 8 OS=Homo sapiens OX=9606 GN=TRAPPC8 PE=1 SV=2	0.00 073 6	5.03 587 1	Yes
IFIT1_HUMAN	Interferon-induced protein with tetratricopeptide repeats 1 OS=Homo sapiens GN=IFIT1 PE=1 SV=2	0.00 034 7	5.02 506 2	Yes
RB27A_HUMAN	Ras-related protein Rab-27A OS=Homo sapiens GN=RAB27A PE=1 SV=3	6.24 E- 06	5.02 114 5	Yes
GCP60_HUMAN	Golgi resident protein GCP60 OS=Homo sapiens GN=ACBD3 PE=1 SV=4	0.01 410 9	5.01 607 4	Yes
CCDC6_HUMAN	Coiled-coil domain-containing protein 6 OS=Homo sapiens GN=CCDC6 PE=1 SV=2	9.18 E- 05	5.01 494 3	Yes
KIF11_HUMAN	Kinesin-like protein KIF11 OS=Homo sapiens OX=9606 GN=KIF11 PE=1 SV=2	0.00 288 3	5.00 847 6	Yes
CBSL_HUMAN	Cystathionine beta-synthase-like protein OS=Homo sapiens OX=9606 GN=CBSL PE=1 SV=1	0.00 609 3	5.00 250 8	Yes
MYCB2_HUMAN	E3 ubiquitin-protein ligase MYCBP2 OS=Homo sapiens GN=MYCBP2 PE=1 SV=3	2.16 E- 05	4.99 835	Yes
PLXD1_HUMAN	Plexin-D1 OS=Homo sapiens GN=PLXND1 PE=1 SV=3	0.00 332 2	4.99 485 3	Yes
TBCD4_HUMAN	TBC1 domain family member 4 OS=Homo sapiens GN=TBC1D4 PE=1 SV=2	0.00 014 5	4.97 299 7	Yes
M4K2_HUMAN	Mitogen-activated protein kinase kinase kinase kinase 2 OS=Homo sapiens OX=9606 GN=MAP4K2 PE=1 SV=2	0.00 784 3	4.93 233 4	Yes
SNP29_HUMAN	Synaptosomal-associated protein 29 OS=Homo sapiens GN=SNAP29 PE=1 SV=1	0.00 742 3	4.92 918 2	Yes
CPIN1_HUMAN	Anamorsin OS=Homo sapiens GN=CIAPIN1 PE=1 SV=2	0.00 072 3	4.92 812 6	Yes
RPGF2_HUMAN	Rap guanine nucleotide exchange factor 2 OS=Homo sapiens OX=9606 GN=RAPGEF2 PE=1 SV=1	0.00 208 2	4.92 797 2	Yes
IF4G3_HUMAN	Eukaryotic translation initiation factor 4 gamma 3 OS=Homo sapiens GN=EIF4G3 PE=1 SV=2	0.00 223 2	4.89 225 4	Yes
TRIPB_HUMAN	Thyroid receptor-interacting protein 11 OS=Homo sapiens GN=TRIP11 PE=1 SV=3	0.00 020 2	4.87 043 8	Yes
PTN23_HUMAN	Tyrosine-protein phosphatase non-receptor type 23 OS=Homo sapiens GN=PTPN23 PE=1 SV=1	0.00 015 8	4.86 937 4	Yes

AFTIN_HUMAN	Aftiphilin OS=Homo sapiens OX=9606 GN=AFTPH PE=1 SV=3	0.00 676 6	4.86 385 9	Yes
SASH1_HUMAN	SAM and SH3 domain-containing protein 1 OS=Homo sapiens GN=SASH1 PE=1 SV=3	0.00 851 8	4.85 594 9	Yes
ARHGC_HUMAN	Rho guanine nucleotide exchange factor 12 OS=Homo sapiens GN=ARHGEF12 PE=1 SV=1	0.01 456	4.85 108 3	Yes
TTC37_HUMAN	Tetratricopeptide repeat protein 37 OS=Homo sapiens GN=TTC37 PE=1 SV=1	0.00 069 8	4.80 421 7	Yes
TMF1_HUMAN	TATA element modulatory factor OS=Homo sapiens GN=TMF1 PE=1 SV=2	2.12 E- 07	4.79 929 7	Yes
TACC1_HUMAN	Transforming acidic coiled-coil-containing protein 1 OS=Homo sapiens GN=TACC1 PE=1 SV=2	1.92 E- 06	4.78 668 8	Yes
RIN2_HUMAN	Ras and Rab interactor 2 OS=Homo sapiens OX=9606 GN=RIN2 PE=1 SV=1	0.00 358 5	4.76 062 9	Yes
ZNFX1_HUMAN	NFX1-type zinc finger-containing protein 1 OS=Homo sapiens GN=ZNFX1 PE=2 SV=2	0.02 465 2	4.75 485 9	Yes
CDK17_HUMAN	Cyclin-dependent kinase 17 OS=Homo sapiens GN=CDK17 PE=1 SV=2	0.00 374 5	4.74 659 7	Yes
TJAP1_HUMAN	Tight junction-associated protein 1 OS=Homo sapiens GN=TJAP1 PE=1 SV=1	0.00 869 8	4.74 430 4	Yes
KPCD2_HUMAN	Serine/threonine-protein kinase D2 OS=Homo sapiens GN=PRKD2 PE=1 SV=2	0.01 386 8	4.74 152 7	Yes
GCC2_HUMAN	GRIP and coiled-coil domain-containing protein 2 OS=Homo sapiens GN=GCC2 PE=1 SV=4	4.00 E- 05	4.73 718 3	Yes
TBK1_HUMAN	Serine/threonine-protein kinase TBK1 OS=Homo sapiens OX=9606 GN=TBK1 PE=1 SV=1	0.00 299 6	4.70 027 5	Yes
ZW10_HUMAN	Centromere/kinetochore protein zw10 homolog OS=Homo sapiens GN=ZW10 PE=1 SV=3	9.51 E- 05	4.69 916 4	Yes
RNF31_HUMAN	E3 ubiquitin-protein ligase RNF31 OS=Homo sapiens OX=9606 GN=RNF31 PE=1 SV=1	0.04 387 4	4.69 772 5	Yes
AFAD_HUMAN	Afadin OS=Homo sapiens GN=MLLT4 PE=1 SV=3	0.03 236 4	4.69 401 3	Yes
AAPK1_HUMAN	5'-AMP-activated protein kinase catalytic subunit alpha-1 OS=Homo sapiens GN=PRKAA1 PE=1 SV=4	0.02 493 2	4.67 680 3	Yes
BIG1_HUMAN	Brefeldin A-inhibited guanine nucleotide-exchange protein 1 OS=Homo sapiens GN=ARFGEF1 PE=1 SV=2	2.89 E- 06	4.67 625 3	Yes

PAR14_HUMAN	Poly [ADP-ribose] polymerase 14 OS=Homo sapiens GN=PARP14 PE=1 SV=3	0.02 681 1	4.66 678	Yes
VPS16_HUMAN	Vacuolar protein sorting-associated protein 16 homolog OS=Homo sapiens OX=9606 GN=VPS16 PE=1 SV=2	0.00 149 6	4.66 478 8	Yes
PTN12_HUMAN	Tyrosine-protein phosphatase non-receptor type 12 OS=Homo sapiens GN=PTPN12 PE=1 SV=3	5.09 E- 07	4.66 017 2	Yes
USP9X_HUMAN	Probable ubiquitin carboxyl-terminal hydrolase FAF-X OS=Homo sapiens GN=USP9X PE=1 SV=3	2.35 E- 05	4.65 941 9	Yes
AKA11_HUMAN	A-kinase anchor protein 11 OS=Homo sapiens OX=9606 GN=AKAP11 PE=1 SV=1	0.00 593 6	4.64 312 7	Yes
FBX30_HUMAN	F-box only protein 30 OS=Homo sapiens OX=9606 GN=FBXO30 PE=1 SV=3	0.00 747 2	4.61 761	Yes
RICTR_HUMAN	Rapamycin-insensitive companion of mTOR OS=Homo sapiens OX=9606 GN=RICTOR PE=1 SV=1	0.00 149 1	4.61 459 1	Yes
HIP1R_HUMAN	Huntingtin-interacting protein 1-related protein OS=Homo sapiens GN=HIP1R PE=1 SV=2	2.32 E- 05	4.58 700 6	Yes
NHSL1_HUMAN	NHS-like protein 1 OS=Homo sapiens OX=9606 GN=NHSL1 PE=1 SV=2	3.65 E- 05	4.58 563 8	Yes
SAHH2_HUMAN	S-adenosylhomocysteine hydrolase-like protein 1 OS=Homo sapiens OX=9606 GN=AHCYL1 PE=1 SV=2	0.02 793 8	4.57 781	Yes
S12A2_HUMAN	Solute carrier family 12 member 2 OS=Homo sapiens OX=9606 GN=SLC12A2 PE=1 SV=1	0.00 013 5	4.56 371 6	Yes
MAGD1_HUMAN	Melanoma-associated antigen D1 OS=Homo sapiens OX=9606 GN=MAGED1 PE=1 SV=3	0.00 266 4	4.54 853 2	Yes
DCTN4_HUMAN	Dynactin subunit 4 OS=Homo sapiens GN=DCTN4 PE=1 SV=1	0.01 722 1	4.52 132 3	Yes
FBLI1_HUMAN	Filamin-binding LIM protein 1 OS=Homo sapiens GN=FBLIM1 PE=1 SV=2	7.87 E- 05	4.51 604 3	Yes
DOC10_HUMAN	Dedicator of cytokinesis protein 10 OS=Homo sapiens GN=DOCK10 PE=1 SV=3	9.02 E- 05	4.50 602 9	Yes
HECD1_HUMAN	E3 ubiquitin-protein ligase HECTD1 OS=Homo sapiens GN=HECTD1 PE=1 SV=3	0.00 403 3	4.49 424 2	Yes
ARAP3_HUMAN	Arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 3 OS=Homo sapiens GN=ARAP3 PE=1 SV=1	5.80 E- 06	4.49 196 3	Yes
ANR17_HUMAN	Ankyrin repeat domain-containing protein 17 OS=Homo sapiens GN=ANKRD17 PE=1 SV=3	0.02 680 9	4.48 667 2	Yes

INF2_HUMAN	Inverted formin-2 OS=Homo sapiens GN=INF2 PE=1 SV=2	4.17E-05	4.475764	Yes
MINK1_HUMAN	Misshapen-like kinase 1 OS=Homo sapiens GN=MINK1 PE=1 SV=2	0.010941	4.462817	Yes
GCC1_HUMAN	GRIP and coiled-coil domain-containing protein 1 OS=Homo sapiens OX=9606 GN=GCC1 PE=1 SV=1	0.000604	4.445507	Yes
LRBA_HUMAN	Lipopolysaccharide-responsive and beige-like anchor protein OS=Homo sapiens GN=LRBA PE=1 SV=4	1.89E-06	4.425611	Yes
DEN4C_HUMAN	DENN domain-containing protein 4C OS=Homo sapiens OX=9606 GN=DENND4C PE=1 SV=3	0.018204	4.422899	Yes
ARG28_HUMAN	Rho guanine nucleotide exchange factor 28 OS=Homo sapiens OX=9606 GN=ARHGEF28 PE=1 SV=3	0.009518	4.40911	Yes
CARM1_HUMAN	Histone-arginine methyltransferase CARM1 OS=Homo sapiens GN=CARM1 PE=1 SV=3	0.000132	4.40734	Yes
PP12C_HUMAN	Protein phosphatase 1 regulatory subunit 12C OS=Homo sapiens GN=PPP1R12C PE=1 SV=1	0.000101	4.399292	Yes
SH3B4_HUMAN	SH3 domain-binding protein 4 OS=Homo sapiens GN=SH3BP4 PE=1 SV=1	0.008366	4.326221	Yes
PSMF1_HUMAN	Proteasome inhibitor PI31 subunit OS=Homo sapiens OX=9606 GN=PSMF1 PE=1 SV=2	0.000256	4.289907	Yes
KCC2B_HUMAN	Calcium/calmodulin-dependent protein kinase type II subunit beta OS=Homo sapiens OX=9606 GN=CAMK2B PE=1 SV=3	0.011962	4.287927	Yes
NEK9_HUMAN	Serine/threonine-protein kinase Nek9 OS=Homo sapiens GN=NEK9 PE=1 SV=2	0.000116	4.282126	Yes
CNOT1_HUMAN	CCR4-NOT transcription complex subunit 1 OS=Homo sapiens GN=CNOT1 PE=1 SV=2	0.000629	4.26576	Yes
ZDH13_HUMAN	Palmitoyltransferase ZDHHC13 OS=Homo sapiens GN=ZDHHC13 PE=1 SV=3	0.007971	4.259202	Yes
UBP15_HUMAN	Ubiquitin carboxyl-terminal hydrolase 15 OS=Homo sapiens GN=USP15 PE=1 SV=3	0.000498	4.258341	Yes
ACBD5_HUMAN	Acyl-CoA-binding domain-containing protein 5 OS=Homo sapiens OX=9606 GN=ACBD5 PE=1 SV=1	0.00394	4.249339	Yes
PDE3A_HUMAN	cGMP-inhibited 3',5'-cyclic phosphodiesterase A OS=Homo sapiens GN=PDE3A PE=1 SV=3	0.002324	4.246592	Yes
SPIR1_HUMAN	Protein spire homolog 1 OS=Homo sapiens OX=9606 GN=SPIRE1 PE=1 SV=3	0.023061	4.23578	Yes

NU153_HUMAN	Nuclear pore complex protein Nup153 OS=Homo sapiens GN=NUP153 PE=1 SV=2	0.00 031 2	4.20 567 4	Yes
NUDC2_HUMAN	NudC domain-containing protein 2 OS=Homo sapiens OX=9606 GN=NUDCD2 PE=1 SV=1	0.03 179 7	4.19 870 2	Yes
ITB4_HUMAN	Integrin beta-4 OS=Homo sapiens GN=ITGB4 PE=1 SV=5	0.01 199 5	4.19 729 8	Yes
OSBL9_HUMAN	Oxysterol-binding protein-related protein 9 OS=Homo sapiens OX=9606 GN=OSBPL9 PE=1 SV=2	0.00 090 1	4.19 409 3	Yes
SRG2B_HUMAN	SLIT-ROBO Rho GTPase-activating protein 2B OS=Homo sapiens OX=9606 GN=SRGAP2B PE=3 SV=1	0.01 045 2	4.19 005 2	Yes
ARFG3_HUMAN	ADP-ribosylation factor GTPase-activating protein 3 OS=Homo sapiens GN=ARFGAP3 PE=1 SV=1	0.00 130 4	4.18 713 9	Yes
PDXD1_HUMAN	Pyridoxal-dependent decarboxylase domain-containing protein 1 OS=Homo sapiens GN=PDXDC1 PE=1 SV=2	3.51 E- 06	4.18 564 8	Yes
ARHG7_HUMAN	Rho guanine nucleotide exchange factor 7 OS=Homo sapiens OX=9606 GN=ARHGEF7 PE=1 SV=2	0.01 846 2	4.18 087 6	Yes
S23IP_HUMAN	SEC23-interacting protein OS=Homo sapiens GN=SEC23IP PE=1 SV=1	2.76 E- 05	4.16 510 7	Yes
CGNL1_HUMAN	Cingulin-like protein 1 OS=Homo sapiens GN=CGNL1 PE=1 SV=2	0.04 927 4	4.16 506 7	Yes
MILK1_HUMAN	MICAL-like protein 1 OS=Homo sapiens OX=9606 GN=MICALL1 PE=1 SV=2	0.01 214 8	4.16 384 4	Yes
SPART_HUMAN	Spartin OS=Homo sapiens OX=9606 GN=SPART PE=1 SV=1	0.00 025 7	4.14 966 2	Yes
DOCK9_HUMAN	Dedicator of cytokinesis protein 9 OS=Homo sapiens OX=9606 GN=DOCK9 PE=1 SV=2	0.03 156	4.14 635 3	Yes
CAPG_HUMAN	Macrophage-capping protein OS=Homo sapiens GN=CAPG PE=1 SV=2	0.02 498 5	4.14 151 3	Yes
MON2_HUMAN	Protein MON2 homolog OS=Homo sapiens GN=MON2 PE=1 SV=3	0.02 764 5	4.14 026	Yes
NBAS_HUMAN	Neuroblastoma-amplified sequence OS=Homo sapiens GN=NBAS PE=1 SV=2	7.49 E- 06	4.13 128 1	Yes
Z3H7B_HUMAN	Zinc finger CCCH domain-containing protein 7B OS=Homo sapiens GN=ZC3H7B PE=1 SV=1	0.00 663 7	4.13 089 8	Yes
MYRIP_HUMAN	Rab effector MyRIP OS=Homo sapiens GN=MYRIP PE=1 SV=2	0.00 019 2	4.10 859 5	Yes

TFG_HUMAN	Protein TFG OS=Homo sapiens GN=TFG PE=1 SV=2	0.01 472 1	4.10 496 6	Yes
NDE1_HUMAN	Nuclear distribution protein nudE homolog 1 OS=Homo sapiens OX=9606 GN=NDE1 PE=1 SV=3	0.00 338 4	4.08 154 1	Yes
PUM1_HUMAN	Pumilio homolog 1 OS=Homo sapiens GN=PUM1 PE=1 SV=3	0.00 608 1	4.06 746 4	Yes
CLAP2_HUMAN	CLIP-associating protein 2 OS=Homo sapiens GN=CLASP2 PE=1 SV=2	0.03 631 4	4.06 311 7	Yes
CC186_HUMAN	Coiled-coil domain-containing protein 186 OS=Homo sapiens OX=9606 GN=CCDC186 PE=1 SV=2	0.00 085 1	4.05 434 6	Yes
NLRP1_HUMAN	NACHT, LRR and PYD domains-containing protein 1 OS=Homo sapiens GN=NLRP1 PE=1 SV=1	0.04 269 4	4.05 415	Yes
CYTSA_HUMAN	Cytospin-A OS=Homo sapiens GN=SPECC1L PE=1 SV=2	0.00 294 1	4.03 545 5	Yes
TBCD5_HUMAN	TBC1 domain family member 5 OS=Homo sapiens OX=9606 GN=TBC1D5 PE=1 SV=1	0.00 439 5	4.02 914 4	Yes
DOCK7_HUMAN	Dedicator of cytokinesis protein 7 OS=Homo sapiens GN=DOCK7 PE=1 SV=4	0.03 369 6	4.02 723 1	Yes
DIAP3_HUMAN	Protein diaphanous homolog 3 OS=Homo sapiens OX=9606 GN=DIAPH3 PE=1 SV=4	0.01 521 3	4.02 490 3	Yes
EPN4_HUMAN	Clathrin interactor 1 OS=Homo sapiens GN=CLINT1 PE=1 SV=1	4.46 E- 06	4.02 444 5	Yes
NEMO_HUMAN	NF-kappa-B essential modulator OS=Homo sapiens GN=IKBKG PE=1 SV=2	0.03 043 1	4.01 945	Yes
COG6_HUMAN	Conserved oligomeric Golgi complex subunit 6 OS=Homo sapiens OX=9606 GN=COG6 PE=1 SV=2	3.74 E- 05	4.01 417 3	Yes
DDX58_HUMAN	Probable ATP-dependent RNA helicase DDX58 OS=Homo sapiens GN=DDX58 PE=1 SV=2	0.01 363 6	4.00 880 9	Yes
SC24B_HUMAN	Protein transport protein Sec24B OS=Homo sapiens GN=SEC24B PE=1 SV=2	0.00 165 7	3.99 195 5	Yes
TENS1_HUMAN	Tensin-1 OS=Homo sapiens GN=TNS1 PE=1 SV=2	1.67 E- 07	3.98 163 2	Yes
ERG_HUMAN	Transcriptional regulator ERG OS=Homo sapiens GN=ERG PE=1 SV=2	0.00 338 4	3.97 145 9	Yes
PTN14_HUMAN	Tyrosine-protein phosphatase non-receptor type 14 OS=Homo sapiens GN=PTPN14 PE=1 SV=2	0.00 197 8	3.95 251 2	Yes

TRI65_HUMAN	Tripartite motif-containing protein 65 OS=Homo sapiens OX=9606 GN=TRIM65 PE=1 SV=3	0.00 113 4	3.94 471 3	Yes
ROCK1_HUMAN	Rho-associated protein kinase 1 OS=Homo sapiens GN=ROCK1 PE=1 SV=1	0.00 027 2	3.94 006 5	Yes
RHG31_HUMAN	Rho GTPase-activating protein 31 OS=Homo sapiens GN=ARHGAP31 PE=1 SV=2	0.00 010 5	3.93 827 4	Yes
SVIL_HUMAN	Supervillin OS=Homo sapiens GN=SVIL PE=1 SV=2	0.00 017 3	3.93 737 7	Yes
TES_HUMAN	Testin OS=Homo sapiens GN=TES PE=1 SV=1	0.00 226 6	3.91 450 6	Yes
TNR6B_HUMAN	Trinucleotide repeat-containing gene 6B protein OS=Homo sapiens OX=9606 GN=TNRC6B PE=1 SV=4	0.01 379 6	3.91 430 1	Yes
SC24D_HUMAN	Protein transport protein Sec24D OS=Homo sapiens GN=SEC24D PE=1 SV=2	0.00 044	3.91 192	Yes
GAK_HUMAN	Cyclin-G-associated kinase OS=Homo sapiens GN=GAK PE=1 SV=2	5.39 E- 05	3.90 456 5	Yes
CT2NL_HUMAN	CTTNBP2 N-terminal-like protein OS=Homo sapiens GN=CTTNBP2NL PE=1 SV=2	0.00 016 5	3.90 279 1	Yes
OPTN_HUMAN	Optineurin OS=Homo sapiens GN=OPTN PE=1 SV=2	0.02 711 7	3.89 350 5	Yes
CXA1_HUMAN	Gap junction alpha-1 protein OS=Homo sapiens GN=GJA1 PE=1 SV=2	0.00 061 7	3.87 951 9	Yes
COG5_HUMAN	Conserved oligomeric Golgi complex subunit 5 OS=Homo sapiens OX=9606 GN=COG5 PE=1 SV=3	0.00 414 3	3.87 252 4	Yes
EPS15_HUMAN	Epidermal growth factor receptor substrate 15 OS=Homo sapiens GN=EPS15 PE=1 SV=2	2.41 E- 06	3.86 731 1	Yes
FGD5_HUMAN	FYVE, RhoGEF and PH domain-containing protein 5 OS=Homo sapiens GN=FGD5 PE=1 SV=3	0.00 497 4	3.85 804 7	Yes
SAMD9_HUMAN	Sterile alpha motif domain-containing protein 9 OS=Homo sapiens GN=SAMD9 PE=1 SV=1	0.01 025 8	3.85 323 7	Yes
GGYF2_HUMAN	GRB10-interacting GYF protein 2 OS=Homo sapiens OX=9606 GN=GIGYF2 PE=1 SV=1	0.00 030 2	3.84 419 2	Yes
SC24A_HUMAN	Protein transport protein Sec24A OS=Homo sapiens GN=SEC24A PE=1 SV=2	0.00 447 2	3.84 256 3	Yes
SHOT1_HUMAN	Shootin-1 OS=Homo sapiens GN=SHTN1 PE=1 SV=4	9.23 E- 05	3.82 628 6	Yes

NFXL1_HUMAN	NF-X1-type zinc finger protein NFXL1 OS=Homo sapiens OX=9606 GN=NFXL1 PE=1 SV=2	0.000745	3.82291	Yes
LPP_HUMAN	Lipoma-preferred partner OS=Homo sapiens GN=LPP PE=1 SV=1	0.006495	3.793601	Yes
RUFY1_HUMAN	RUN and FYVE domain-containing protein 1 OS=Homo sapiens GN=RUFY1 PE=1 SV=2	0.046977	3.790989	Yes
GRAP1_HUMAN	GRIP1-associated protein 1 OS=Homo sapiens OX=9606 GN=GRIPAP1 PE=1 SV=2	0.000517	3.790128	Yes
AAK1_HUMAN	AP2-associated protein kinase 1 OS=Homo sapiens GN=AAK1 PE=1 SV=3	0.000667	3.786288	Yes
HAUS6_HUMAN	HAUS augmin-like complex subunit 6 OS=Homo sapiens OX=9606 GN=HAUS6 PE=1 SV=2	0.00982	3.78388	Yes
ANXA4_HUMAN	Annexin A4 OS=Homo sapiens OX=9606 GN=ANXA4 PE=1 SV=4	0.01633	3.777109	Yes
CLIP1_HUMAN	CAP-Gly domain-containing linker protein 1 OS=Homo sapiens GN=CLIP1 PE=1 SV=2	7.97E-05	3.766488	Yes
AKP13_HUMAN	A-kinase anchor protein 13 OS=Homo sapiens GN=AKAP13 PE=1 SV=2	0.003469	3.75198	Yes
BIG3_HUMAN	Brefeldin A-inhibited guanine nucleotide-exchange protein 3 OS=Homo sapiens OX=9606 GN=ARFGEF3 PE=1 SV=3	0.000419	3.751735	Yes
PI4KA_HUMAN	Phosphatidylinositol 4-kinase alpha OS=Homo sapiens OX=9606 GN=PI4KA PE=1 SV=4	0.009038	3.730952	Yes
RBP2_HUMAN	E3 SUMO-protein ligase RanBP2 OS=Homo sapiens GN=RANBP2 PE=1 SV=2	2.13E-05	3.729153	Yes
FMNL3_HUMAN	Formin-like protein 3 OS=Homo sapiens OX=9606 GN=FMNL3 PE=1 SV=3	0.000778	3.716522	Yes
DMD_HUMAN	Dystrophin OS=Homo sapiens GN=DMD PE=1 SV=3	0.011921	3.666427	Yes
F1711_HUMAN	Protein FAM171A1 OS=Homo sapiens GN=FAM171A1 PE=1 SV=1	0.001272	3.649762	Yes
OSB10_HUMAN	Oxysterol-binding protein-related protein 10 OS=Homo sapiens GN=OSBPL10 PE=1 SV=2	0.000216	3.64646	Yes
ROCK2_HUMAN	Rho-associated protein kinase 2 OS=Homo sapiens GN=ROCK2 PE=1 SV=4	1.76E-05	3.645605	Yes
ISG15_HUMAN	Ubiquitin-like protein ISG15 OS=Homo sapiens OX=9606 GN=ISG15 PE=1 SV=5	1.45E-05	3.63986	Yes

ARHGF_HUMAN	Rho guanine nucleotide exchange factor 15 OS=Homo sapiens GN=ARHGEF15 PE=1 SV=4	5.10E-05	3.637985	Yes
GMIP_HUMAN	GEM-interacting protein OS=Homo sapiens OX=9606 GN=GMIP PE=1 SV=2	0.033301	3.618259	Yes
FRYL_HUMAN	Protein furry homolog-like OS=Homo sapiens GN=FRYL PE=1 SV=2	4.80E-06	3.616302	Yes
FBX7_HUMAN	F-box only protein 7 OS=Homo sapiens GN=FBXO7 PE=1 SV=1	0.008705	3.597793	Yes
P3C2A_HUMAN	Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha OS=Homo sapiens GN=PIK3C2A PE=1 SV=2	0.002304	3.578114	Yes
BCL10_HUMAN	B-cell lymphoma/leukemia 10 OS=Homo sapiens OX=9606 GN=BCL10 PE=1 SV=1	0.020235	3.563869	Yes
RN214_HUMAN	RING finger protein 214 OS=Homo sapiens OX=9606 GN=RNF214 PE=1 SV=2	0.002001	3.543	Yes
ACAP2_HUMAN	Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 2 OS=Homo sapiens OX=9606 GN=ACAP2 PE=1 SV=3	0.031835	3.539467	Yes
RB3GP_HUMAN	Rab3 GTPase-activating protein catalytic subunit OS=Homo sapiens GN=RAB3GAP1 PE=1 SV=3	0.000224	3.534929	Yes
IL6RB_HUMAN	Interleukin-6 receptor subunit beta OS=Homo sapiens GN=IL6ST PE=1 SV=2	0.000226	3.533177	Yes
CRCM_HUMAN	Colorectal mutant cancer protein OS=Homo sapiens GN=MCC PE=1 SV=2	0.007882	3.515889	Yes
RBGPR_HUMAN	Rab3 GTPase-activating protein non-catalytic subunit OS=Homo sapiens GN=RAB3GAP2 PE=1 SV=1	0.007564	3.504744	Yes
EH1L1_HUMAN	EH domain-binding protein 1-like protein 1 OS=Homo sapiens OX=9606 GN=EHBP1L1 PE=1 SV=2	0.013046	3.502539	Yes
PI3R4_HUMAN	Phosphoinositide 3-kinase regulatory subunit 4 OS=Homo sapiens GN=PIK3R4 PE=1 SV=3	0.000399	3.497652	Yes
DNMBP_HUMAN	Dynamamin-binding protein OS=Homo sapiens GN=DNMBP PE=1 SV=1	0.00408	3.465984	Yes
RPB3_HUMAN	DNA-directed RNA polymerase II subunit RPB3 OS=Homo sapiens GN=POLR2C PE=1 SV=2	6.63E-07	3.462692	Yes
EXOC7_HUMAN	Exocyst complex component 7 OS=Homo sapiens OX=9606 GN=EXOC7 PE=1 SV=3	0.01564	3.458108	Yes
VATE1_HUMAN	V-type proton ATPase subunit E 1 OS=Homo sapiens OX=9606 GN=ATP6V1E1 PE=1 SV=1	0.005853	3.44935	Yes

WDR11_HUMAN	WD repeat-containing protein 11 OS=Homo sapiens GN=WDR11 PE=1 SV=1	0.029311	3.444365	Yes
MYO9B_HUMAN	Unconventional myosin-IXb OS=Homo sapiens GN=MYO9B PE=1 SV=3	2.22E-06	3.428754	Yes
CLH2_HUMAN	Clathrin heavy chain 2 OS=Homo sapiens OX=9606 GN=CLTCL1 PE=1 SV=2	0.001161	3.425347	Yes
CSRP1_HUMAN	Cysteine and glycine-rich protein 1 OS=Homo sapiens GN=CSRP1 PE=1 SV=3	0.000149	3.424814	Yes
YJ005_HUMAN	Uncharacterized protein FLJ45252 OS=Homo sapiens PE=2 SV=2	1.87E-06	3.421554	Yes
PLCG1_HUMAN	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1 OS=Homo sapiens GN=PLCG1 PE=1 SV=1	0.026335	3.409188	Yes
PP1B_HUMAN	Serine/threonine-protein phosphatase PP1-beta catalytic subunit OS=Homo sapiens OX=9606 GN=PPP1CB PE=1 SV=3	0.010009	3.407548	Yes
RGPD3_HUMAN	RanBP2-like and GRIP domain-containing protein 3 OS=Homo sapiens GN=RGPD3 PE=3 SV=2	0.005467	3.394228	Yes
PANK4_HUMAN	Pantothenate kinase 4 OS=Homo sapiens GN=PANK4 PE=1 SV=1	0.001057	3.386073	Yes
GEPH_HUMAN	Gephyrin OS=Homo sapiens GN=GPHN PE=1 SV=1	0.000312	3.381415	Yes
APC1_HUMAN	Anaphase-promoting complex subunit 1 OS=Homo sapiens GN=ANAPC1 PE=1 SV=1	0.003287	3.370231	Yes
BICD2_HUMAN	Protein bicaudal D homolog 2 OS=Homo sapiens OX=9606 GN=BICD2 PE=1 SV=1	0.00019	3.346548	Yes
CNOT3_HUMAN	CCR4-NOT transcription complex subunit 3 OS=Homo sapiens GN=CNOT3 PE=1 SV=1	0.0082	3.346129	Yes
FKB15_HUMAN	FK506-binding protein 15 OS=Homo sapiens GN=FKBP15 PE=1 SV=2	6.53E-05	3.345885	Yes
HS74L_HUMAN	Heat shock 70 kDa protein 4L OS=Homo sapiens OX=9606 GN=HSPA4L PE=1 SV=3	0.027529	3.344902	Yes
K1671_HUMAN	Uncharacterized protein KIAA1671 OS=Homo sapiens OX=9606 GN=KIAA1671 PE=1 SV=2	0.012663	3.329962	Yes
TSC2_HUMAN	Tuberin OS=Homo sapiens OX=9606 GN=TSC2 PE=1 SV=2	0.006313	3.323087	Yes
ARFG1_HUMAN	ADP-ribosylation factor GTPase-activating protein 1 OS=Homo sapiens GN=ARFGAP1 PE=1 SV=2	0.001901	3.316558	Yes

HUWE1_HUMAN	E3 ubiquitin-protein ligase HUWE1 OS=Homo sapiens GN=HUWE1 PE=1 SV=3	5.90 E-06	3.31 277 7	Yes
PSMD5_HUMAN	26S proteasome non-ATPase regulatory subunit 5 OS=Homo sapiens GN=PSMD5 PE=1 SV=3	2.74 E-05	3.31 193 7	Yes
ANR40_HUMAN	Ankyrin repeat domain-containing protein 40 OS=Homo sapiens GN=ANKRD40 PE=1 SV=2	0.00 131 2	3.30 423 6	Yes
BAG3_HUMAN	BAG family molecular chaperone regulator 3 OS=Homo sapiens GN=BAG3 PE=1 SV=3	0.01 606 5	3.28 591 3	Yes
CND1_HUMAN	Condensin complex subunit 1 OS=Homo sapiens GN=NCAPD2 PE=1 SV=3	0.00 519 6	3.28 043 6	Yes
LRCH3_HUMAN	Leucine-rich repeat and calponin homology domain-containing protein 3 OS=Homo sapiens OX=9606 GN=LRCH3 PE=1 SV=2	0.00 445 9	3.27 383 6	Yes
UBA6_HUMAN	Ubiquitin-like modifier-activating enzyme 6 OS=Homo sapiens GN=UBA6 PE=1 SV=1	0.00 429 3	3.26 589 8	Yes
TRI47_HUMAN	Tripartite motif-containing protein 47 OS=Homo sapiens GN=TRIM47 PE=1 SV=2	0.00 258 5	3.25 353 5	Yes
RFTN1_HUMAN	Raftlin OS=Homo sapiens GN=RFTN1 PE=1 SV=4	0.00 810 2	3.24 986 9	Yes
ANLN_HUMAN	Anillin OS=Homo sapiens OX=9606 GN=ANLN PE=1 SV=2	0.01 226 3	3.24 663 3	Yes
PTN11_HUMAN	Tyrosine-protein phosphatase non-receptor type 11 OS=Homo sapiens GN=PTPN11 PE=1 SV=2	0.00 667 9	3.24 643 3	Yes
GEM15_HUMAN	Gem-associated protein 5 OS=Homo sapiens GN=GEMIN5 PE=1 SV=3	0.00 023 7	3.24 381 2	Yes
OSBP1_HUMAN	Oxysterol-binding protein 1 OS=Homo sapiens GN=OSBP PE=1 SV=1	0.00 201 1	3.24 357 6	Yes
ANKL2_HUMAN	Ankyrin repeat and LEM domain-containing protein 2 OS=Homo sapiens OX=9606 GN=ANKLE2 PE=1 SV=4	0.04 071 2	3.24 032 6	Yes
PALMD_HUMAN	Palmdelphin OS=Homo sapiens GN=PALMD PE=1 SV=1	0.00 561 5	3.23 970 1	Yes
SC23A_HUMAN	Protein transport protein Sec23A OS=Homo sapiens GN=SEC23A PE=1 SV=2	0.00 294 1	3.23 747 3	Yes
SCRIB_HUMAN	Protein scribble homolog OS=Homo sapiens GN=SCRIB PE=1 SV=4	0.00 083 7	3.22 914 4	Yes
RAB8B_HUMAN	Ras-related protein Rab-8B OS=Homo sapiens GN=RAB8B PE=1 SV=2	0.00 774 6	3.22 793 4	Yes

HTR5B_HUMAN	HEAT repeat-containing protein 5B OS=Homo sapiens GN=HEATR5B PE=1 SV=2	0.00 026 5	3.22 383 1	Yes
RB6I2_HUMAN	ELKS/Rab6-interacting/CAST family member 1 OS=Homo sapiens GN=ERC1 PE=1 SV=1	3.38 E- 10	3.22 079 5	Yes
CKAP5_HUMAN	Cytoskeleton-associated protein 5 OS=Homo sapiens GN=CKAP5 PE=1 SV=3	2.03 E- 05	3.21 617 3	Yes
HERC4_HUMAN	Probable E3 ubiquitin-protein ligase HERC4 OS=Homo sapiens GN=HERC4 PE=1 SV=1	0.02 797 8	3.20 704 8	Yes
SIIL3_HUMAN	Signal-induced proliferation-associated 1-like protein 3 OS=Homo sapiens OX=9606 GN=SIPA1L3 PE=1 SV=3	0.01 733 3	3.20 024 7	Yes
ARHG1_HUMAN	Rho guanine nucleotide exchange factor 1 OS=Homo sapiens GN=ARHGEF1 PE=1 SV=2	7.37 E- 05	3.19 638 6	Yes
DAB2_HUMAN	Disabled homolog 2 OS=Homo sapiens GN=DAB2 PE=1 SV=3	0.02 136 3	3.19 492 3	Yes
BAG5_HUMAN	BAG family molecular chaperone regulator 5 OS=Homo sapiens OX=9606 GN=BAG5 PE=1 SV=1	0.00 309 5	3.17 396 5	Yes
PEX14_HUMAN	Peroxisomal membrane protein PEX14 OS=Homo sapiens OX=9606 GN=PEX14 PE=1 SV=1	0.01 196	3.16 965	Yes
LIMD1_HUMAN	LIM domain-containing protein 1 OS=Homo sapiens OX=9606 GN=LIMD1 PE=1 SV=1	0.02 647 9	3.16 771 5	Yes
ROBO4_HUMAN	Roundabout homolog 4 OS=Homo sapiens OX=9606 GN=ROBO4 PE=1 SV=1	0.00 106 7	3.16 695	Yes
SAMH1_HUMAN	Deoxynucleoside triphosphate triphosphohydrolase SAMHD1 OS=Homo sapiens GN=SAMHD1 PE=1 SV=2	0.00 427 7	3.16 583 8	Yes
RABE2_HUMAN	Rab GTPase-binding effector protein 2 OS=Homo sapiens OX=9606 GN=RABEP2 PE=1 SV=2	0.00 376 6	3.15 259 3	Yes
TB182_HUMAN	182 kDa tankyrase-1-binding protein OS=Homo sapiens GN=TNKS1BP1 PE=1 SV=4	5.99 E- 09	3.14 195 2	Yes
CBL_HUMAN	E3 ubiquitin-protein ligase CBL OS=Homo sapiens GN=CBL PE=1 SV=2	0.01 677 7	3.13 317 5	Yes
SNX18_HUMAN	Sorting nexin-18 OS=Homo sapiens GN=SNX18 PE=1 SV=2	0.00 957 8	3.11 181 6	Yes
CUL3_HUMAN	Cullin-3 OS=Homo sapiens OX=9606 GN=CUL3 PE=1 SV=2	0.00 033 9	3.09 907	Yes
CAMP1_HUMAN	Calmodulin-regulated spectrin-associated protein 1 OS=Homo sapiens GN=CAMSAP1 PE=1 SV=2	0.02 448	3.09 896 6	Yes

SNTB2_HUMAN	Beta-2-syntrophin OS=Homo sapiens GN=SNTB2 PE=1 SV=1	4.88 E-07	3.09 564 2	Yes
NUP88_HUMAN	Nuclear pore complex protein Nup88 OS=Homo sapiens GN=NUP88 PE=1 SV=2	0.01 848 2	3.09 453 2	Yes
ZCCHV_HUMAN	Zinc finger CCCH-type antiviral protein 1 OS=Homo sapiens GN=ZC3HAV1 PE=1 SV=3	1.38 E-10	3.09 053	Yes
YAP1_HUMAN	Transcriptional coactivator YAP1 OS=Homo sapiens OX=9606 GN=YAP1 PE=1 SV=2	0.00 991 6	3.08 387 3	Yes
MYPT1_HUMAN	Protein phosphatase 1 regulatory subunit 12A OS=Homo sapiens GN=PPP1R12A PE=1 SV=1	2.65 E-05	3.07 677 4	Yes
FRMD6_HUMAN	FERM domain-containing protein 6 OS=Homo sapiens GN=FRMD6 PE=1 SV=1	0.00 783 8	3.07 565 7	Yes
WDR44_HUMAN	WD repeat-containing protein 44 OS=Homo sapiens OX=9606 GN=WDR44 PE=1 SV=1	0.00 080 3	3.07 360 4	Yes
REPS1_HUMAN	RalBP1-associated Eps domain-containing protein 1 OS=Homo sapiens GN=REPS1 PE=1 SV=3	0.00 098 2	3.06 893 8	Yes
GTPB1_HUMAN	GTP-binding protein 1 OS=Homo sapiens OX=9606 GN=GTPBP1 PE=1 SV=3	0.02 140 8	3.05 053 6	Yes
CD2AP_HUMAN	CD2-associated protein OS=Homo sapiens GN=CD2AP PE=1 SV=1	0.00 285 8	3.05 049 1	Yes
TRIP6_HUMAN	Thyroid receptor-interacting protein 6 OS=Homo sapiens GN=TRIP6 PE=1 SV=3	0.00 014 9	3.04 565 9	Yes
SBP2L_HUMAN	Selenocysteine insertion sequence-binding protein 2-like OS=Homo sapiens OX=9606 GN=SECISBP2L PE=1 SV=3	0.00 153 2	3.04 515 8	Yes
MICA2_HUMAN	[F-actin]-monooxygenase MICAL2 OS=Homo sapiens OX=9606 GN=MICAL2 PE=1 SV=1	0.00 553 3	3.03 996 5	Yes
ANKH1_HUMAN	Ankyrin repeat and KH domain-containing protein 1 OS=Homo sapiens GN=ANKHD1 PE=1 SV=1	0.00 871 6	3.03 920 8	Yes
SNP23_HUMAN	Synaptosomal-associated protein 23 OS=Homo sapiens GN=SNAP23 PE=1 SV=1	0.00 090 9	3.00 629 3	Yes
TAB1_HUMAN	TGF-beta-activated kinase 1 and MAP3K7-binding protein 1 OS=Homo sapiens OX=9606 GN=TAB1 PE=1 SV=1	0.02 224 2	2.99 408 7	Yes
SQSTM1_HUMAN	Sequestosome-1 OS=Homo sapiens GN=SQSTM1 PE=1 SV=1	0.00 806 6	2.98 982 2	Yes
BABAM1_HUMAN	BRISC and BRCA1-A complex member 1 OS=Homo sapiens OX=9606 GN=BABAM1 PE=1 SV=1	0.00 218 5	2.98 499 4	Yes

GCP2_HUMAN	Gamma-tubulin complex component 2 OS=Homo sapiens OX=9606 GN=TUBGCP2 PE=1 SV=2	0.02002	2.966543	Yes
STX7_HUMAN	Syntaxin-7 OS=Homo sapiens GN=STX7 PE=1 SV=4	1.02E-05	2.966322	Yes
TBC9B_HUMAN	TBC1 domain family member 9B OS=Homo sapiens OX=9606 GN=TBC1D9B PE=1 SV=3	0.040155	2.958329	Yes
SYNJ1_HUMAN	Synaptojanin-1 OS=Homo sapiens OX=9606 GN=SYNJ1 PE=1 SV=2	0.020218	2.955187	Yes
BIRC6_HUMAN	Baculoviral IAP repeat-containing protein 6 OS=Homo sapiens GN=BIRC6 PE=1 SV=2	8.58E-09	2.951409	Yes
AFAP1_HUMAN	Actin filament-associated protein 1 OS=Homo sapiens GN=AFAP1 PE=1 SV=2	0.03023	2.946184	Yes
SNX9_HUMAN	Sorting nexin-9 OS=Homo sapiens GN=SNX9 PE=1 SV=1	0.000222	2.944635	Yes
BORG5_HUMAN	Cdc42 effector protein 1 OS=Homo sapiens OX=9606 GN=CDC42EP1 PE=1 SV=1	0.004745	2.937356	Yes
MRCKB_HUMAN	Serine/threonine-protein kinase MRCK beta OS=Homo sapiens GN=CDC42BPB PE=1 SV=2	8.79E-05	2.933857	Yes
FAF2_HUMAN	FAS-associated factor 2 OS=Homo sapiens GN=FAF2 PE=1 SV=2	0.035101	2.929318	Yes
PAXIL_HUMAN	Paxillin OS=Homo sapiens GN=PXN PE=1 SV=3	0.002832	2.924761	Yes
PAWR_HUMAN	PRKC apoptosis WT1 regulator protein OS=Homo sapiens GN=PAWR PE=1 SV=1	8.48E-05	2.908473	Yes
VP33B_HUMAN	Vacuolar protein sorting-associated protein 33B OS=Homo sapiens GN=VPS33B PE=1 SV=2	0.003654	2.900438	Yes
PPR18_HUMAN	Phostensin OS=Homo sapiens GN=PPP1R18 PE=1 SV=1	4.99E-05	2.89823	Yes
FND3B_HUMAN	Fibronectin type III domain-containing protein 3B OS=Homo sapiens GN=FNDC3B PE=1 SV=2	0.012244	2.896369	Yes
DPYL3_HUMAN	Dihydropyrimidinase-related protein 3 OS=Homo sapiens GN=DPYSL3 PE=1 SV=1	7.09E-05	2.884375	Yes
TRIO_HUMAN	Triple functional domain protein OS=Homo sapiens GN=TRIO PE=1 SV=2	0.010616	2.884124	Yes
TAP1_HUMAN	Antigen peptide transporter 1 OS=Homo sapiens OX=9606 GN=TAP1 PE=1 SV=2	0.002748	2.878724	Yes

DSRAD_HUMAN	Double-stranded RNA-specific adenosine deaminase OS=Homo sapiens GN=ADAR PE=1 SV=4	0.00 132 6	2.86 610 6	Yes
SHC1_HUMAN	SHC-transforming protein 1 OS=Homo sapiens GN=SHC1 PE=1 SV=4	0.00 492	2.85 036 6	Yes
KIF1A_HUMAN	Kinesin-like protein KIF1A OS=Homo sapiens OX=9606 GN=KIF1A PE=1 SV=2	0.01 854 1	2.84 280 2	Yes
ECM29_HUMAN	Proteasome-associated protein ECM29 homolog OS=Homo sapiens GN=ECM29 PE=1 SV=2	0.00 673 2	2.82 988 6	Yes
OSBL3_HUMAN	Oxysterol-binding protein-related protein 3 OS=Homo sapiens GN=OSBPL3 PE=1 SV=1	8.99 E- 07	2.82 970 7	Yes
CNN3_HUMAN	Calponin-3 OS=Homo sapiens GN=CNN3 PE=1 SV=1	0.01 883 7	2.82 497 7	Yes
TANK_HUMAN	TRAF family member-associated NF-kappa-B activator OS=Homo sapiens OX=9606 GN=TANK PE=1 SV=2	0.01 732 8	2.82 014 1	Yes
MYO10_HUMAN	Unconventional myosin-X OS=Homo sapiens OX=9606 GN=MYO10 PE=1 SV=3	0.00 139 6	2.81 791 3	Yes
PP4R1_HUMAN	Serine/threonine-protein phosphatase 4 regulatory subunit 1 OS=Homo sapiens OX=9606 GN=PPP4R1 PE=1 SV=1	0.00 084 3	2.81 052 5	Yes
PHLB1_HUMAN	Pleckstrin homology-like domain family B member 1 OS=Homo sapiens GN=PHLDB1 PE=1 SV=1	0.00 049 7	2.80 966 2	Yes
STAT2_HUMAN	Signal transducer and activator of transcription 2 OS=Homo sapiens GN=STAT2 PE=1 SV=1	0.00 751 6	2.80 272 3	Yes
STXB3_HUMAN	Syntaxin-binding protein 3 OS=Homo sapiens GN=STXBP3 PE=1 SV=2	0.04 450 8	2.79 752 4	Yes
LMO7_HUMAN	LIM domain only protein 7 OS=Homo sapiens GN=LMO7 PE=1 SV=3	0.02 634 6	2.79 691 4	Yes
ASCC3_HUMAN	Activating signal cointegrator 1 complex subunit 3 OS=Homo sapiens GN=ASCC3 PE=1 SV=3	5.59 E- 06	2.79 425 2	Yes
RT22_HUMAN	28S ribosomal protein S22, mitochondrial OS=Homo sapiens GN=MRPS22 PE=1 SV=1	0.01 888 8	2.79 365 9	Yes
VTI1B_HUMAN	Vesicle transport through interaction with t-SNAREs homolog 1B OS=Homo sapiens OX=9606 GN=VTI1B PE=1 SV=3	0.03 619 7	2.78 989 8	Yes
ARHG2_HUMAN	Rho guanine nucleotide exchange factor 2 OS=Homo sapiens GN=ARHGEF2 PE=1 SV=4	1.23 E- 05	2.78 964 9	Yes
RC3H1_HUMAN	Roquin-1 OS=Homo sapiens OX=9606 GN=RC3H1 PE=1 SV=1	0.00 146 4	2.78 88	Yes

E2AK4_HUMAN	eIF-2-alpha kinase GCN2 OS=Homo sapiens OX=9606 GN=EIF2AK4 PE=1 SV=3	0.00 485 2	2.77 103 2	Yes
TARA_HUMAN	TRIO and F-actin-binding protein OS=Homo sapiens GN=TRIOBP PE=1 SV=3	0.00 465 6	2.77 087 3	Yes
BET1_HUMAN	BET1 homolog OS=Homo sapiens OX=9606 GN=BET1 PE=1 SV=1	0.01 550 1	2.74 608 6	Yes
SH2D3_HUMAN	SH2 domain-containing protein 3C OS=Homo sapiens OX=9606 GN=SH2D3C PE=1 SV=1	0.00 776 5	2.74 560 2	Yes
PHLB2_HUMAN	Pleckstrin homology-like domain family B member 2 OS=Homo sapiens OX=9606 GN=PHLDB2 PE=1 SV=2	0.03 868	2.74 335 7	Yes
JUPI2_HUMAN	Jupiter microtubule associated homolog 2 OS=Homo sapiens OX=9606 GN=JPT2 PE=1 SV=1	0.00 034 5	2.73 182 5	Yes
ARFG2_HUMAN	ADP-ribosylation factor GTPase-activating protein 2 OS=Homo sapiens GN=ARFGAP2 PE=1 SV=1	0.00 029 1	2.71 701 9	Yes
CARD6_HUMAN	Caspase recruitment domain-containing protein 6 OS=Homo sapiens OX=9606 GN=CARD6 PE=1 SV=2	0.01 126 4	2.70 977 6	Yes
SPAG5_HUMAN	Sperm-associated antigen 5 OS=Homo sapiens GN=SPAG5 PE=1 SV=2	0.03 677 4	2.69 722	Yes
ZO1_HUMAN	Tight junction protein ZO-1 OS=Homo sapiens GN=TJP1 PE=1 SV=3	4.63 E- 05	2.69 598 1	Yes
TBL2_HUMAN	Transducin beta-like protein 2 OS=Homo sapiens GN=TBL2 PE=1 SV=1	0.00 129 6	2.69 163 9	Yes
ATX2L_HUMAN	Ataxin-2-like protein OS=Homo sapiens GN=ATXN2L PE=1 SV=2	2.82 E- 05	2.68 601 6	Yes
KKCC2_HUMAN	Calcium/calmodulin-dependent protein kinase kinase 2 OS=Homo sapiens OX=9606 GN=CAMKK2 PE=1 SV=2	0.01 644 1	2.68 530 2	Yes
OGT1_HUMAN	UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit OS=Homo sapiens GN=OGT PE=1 SV=3	0.01 007 1	2.66 684 4	Yes
AMPD2_HUMAN	AMP deaminase 2 OS=Homo sapiens GN=AMPD2 PE=1 SV=2	8.88 E- 05	2.66 432	Yes
ANXA7_HUMAN	Annexin A7 OS=Homo sapiens GN=ANXA7 PE=1 SV=3	5.49 E- 06	2.66 285 1	Yes
AKAP2_HUMAN	A-kinase anchor protein 2 OS=Homo sapiens GN=AKAP2 PE=1 SV=3	2.55 E- 06	2.66 117 7	Yes
E2AK2_HUMAN	Interferon-induced, double-stranded RNA-activated protein kinase OS=Homo sapiens GN=EIF2AK2 PE=1 SV=2	0.00 035 4	2.65 695 8	Yes

SPF45_HUMAN	Splicing factor 45 OS=Homo sapiens OX=9606 GN=RBM17 PE=1 SV=1	0.01 666 4	2.65 594 2	Yes
GPDM_HUMAN	Glycerol-3-phosphate dehydrogenase, mitochondrial OS=Homo sapiens GN=GPD2 PE=1 SV=3	0.01 354 4	2.65 283 5	Yes
FKBP1A_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP1A OS=Homo sapiens GN=FKBP1A PE=1 SV=2	0.00 012 3	2.65 252 9	Yes
SC16A_HUMAN	Protein transport protein Sec16A OS=Homo sapiens GN=SEC16A PE=1 SV=3	9.28 E- 05	2.64 689 1	Yes
KCMF1_HUMAN	E3 ubiquitin-protein ligase KCMF1 OS=Homo sapiens OX=9606 GN=KCMF1 PE=1 SV=2	0.03 155 8	2.64 534 2	Yes
TM1L2_HUMAN	TOM1-like protein 2 OS=Homo sapiens OX=9606 GN=TOM1L2 PE=1 SV=1	0.01 414 7	2.63 964 2	Yes
SYNPO_HUMAN	Synaptopodin OS=Homo sapiens GN=SYNPO PE=1 SV=2	3.08 E- 05	2.63 845 9	Yes
LASP1_HUMAN	LIM and SH3 domain protein 1 OS=Homo sapiens GN=LASP1 PE=1 SV=2	0.00 072 7	2.61 602	Yes
RAPH1_HUMAN	Ras-associated and pleckstrin homology domains-containing protein 1 OS=Homo sapiens OX=9606 GN=RAPH1 PE=1 SV=3	0.03 340 6	2.61 393 8	Yes
TRXR1_HUMAN	Thioredoxin reductase 1, cytoplasmic OS=Homo sapiens OX=9606 GN=TXNRD1 PE=1 SV=3	0.03 475 3	2.61 205 7	Yes
RHG29_HUMAN	Rho GTPase-activating protein 29 OS=Homo sapiens GN=ARHGAP29 PE=1 SV=2	0.00 047 3	2.60 548	Yes
CAMP2_HUMAN	Calmodulin-regulated spectrin-associated protein 2 OS=Homo sapiens GN=CAMSAP2 PE=1 SV=3	0.00 309	2.60 524 4	Yes
JAK1_HUMAN	Tyrosine-protein kinase JAK1 OS=Homo sapiens GN=JAK1 PE=1 SV=2	7.58 E- 05	2.60 095 5	Yes
PUR6_HUMAN	Multifunctional protein ADE2 OS=Homo sapiens GN=PAICS PE=1 SV=3	6.49 E- 05	2.58 781	Yes
SKIV2_HUMAN	Helicase SKI2W OS=Homo sapiens GN=SKIV2L PE=1 SV=3	0.01 274 3	2.57 877 9	Yes
STRN4_HUMAN	Striatin-4 OS=Homo sapiens GN=STRN4 PE=1 SV=2	0.00 064 4	2.57 664 2	Yes
HBS1L_HUMAN	HBS1-like protein OS=Homo sapiens GN=HBS1L PE=1 SV=1	0.00 119 9	2.55 604 3	Yes
ZYX_HUMAN	Zyxin OS=Homo sapiens GN=ZYX PE=1 SV=1	1.01 E- 05	2.55 277 3	Yes

LSM12_HUMAN	Protein LSM12 homolog OS=Homo sapiens OX=9606 GN=LSM12 PE=1 SV=2	6.30 E-05	2.54 255	Yes
AASD1_HUMAN	Alanyl-tRNA editing protein Aarsd1 OS=Homo sapiens GN=AARSD1 PE=1 SV=2	0.00 052 7	2.53 139 7	Yes
SHAN3_HUMAN	SH3 and multiple ankyrin repeat domains protein 3 OS=Homo sapiens GN=SHANK3 PE=1 SV=3	0.00 108 7	2.52 427 3	Yes
SUN1_HUMAN	SUN domain-containing protein 1 OS=Homo sapiens GN=SUN1 PE=1 SV=3	0.01 186 9	2.52 346 4	Yes
IST1_HUMAN	IST1 homolog OS=Homo sapiens GN=IST1 PE=1 SV=1	0.04 528	2.52 025 7	Yes
GRB14_HUMAN	Growth factor receptor-bound protein 14 OS=Homo sapiens OX=9606 GN=GRB14 PE=1 SV=2	0.00 5	2.51 888 2	Yes
MICA1_HUMAN	[F-actin]-monooxygenase MICAL1 OS=Homo sapiens OX=9606 GN=MICAL1 PE=1 SV=2	0.02 098 5	2.51 446 4	Yes
UBP4_HUMAN	Ubiquitin carboxyl-terminal hydrolase 4 OS=Homo sapiens GN=USP4 PE=1 SV=3	0.04 370 3	2.51 292 5	Yes
ANR28_HUMAN	Serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A OS=Homo sapiens GN=ANKRD28 PE=1 SV=5	0.03 507 3	2.50 556 9	Yes
CTNB1_HUMAN	Catenin beta-1 OS=Homo sapiens GN=CTNNB1 PE=1 SV=1	2.03 E-05	2.50 418 3	Yes
MRCK_A_HUMAN	Serine/threonine-protein kinase MRCK alpha OS=Homo sapiens GN=CDC42BPA PE=1 SV=1	0.01 993 3	2.50 129 9	Yes
EIF3H_HUMAN	Eukaryotic translation initiation factor 3 subunit H OS=Homo sapiens GN=EIF3H PE=1 SV=1	0.01 246 4	2.49 635	Yes
APOL2_HUMAN	Apolipoprotein L2 OS=Homo sapiens GN=APOL2 PE=1 SV=1	0.00 044 9	2.49 317 8	Yes
CND2_HUMAN	Condensin complex subunit 2 OS=Homo sapiens GN=NCAPH PE=1 SV=3	0.00 078 4	2.48 810 9	Yes
KIF13B_HUMAN	Kinesin-like protein KIF13B OS=Homo sapiens GN=KIF13B PE=1 SV=2	0.01 613 7	2.47 882 6	Yes
ANX11_HUMAN	Annexin A11 OS=Homo sapiens GN=ANXA11 PE=1 SV=1	3.33 E-05	2.47 692 4	Yes
HMOX2_HUMAN	Heme oxygenase 2 OS=Homo sapiens GN=HMOX2 PE=1 SV=2	0.00 024 8	2.47 601 2	Yes
M4K5_HUMAN	Mitogen-activated protein kinase kinase kinase 5 OS=Homo sapiens OX=9606 GN=MAP4K5 PE=1 SV=2	7.74 E-06	2.47 121 2	Yes

FHOD1_HUMAN	FH1/FH2 domain-containing protein 1 OS=Homo sapiens GN=FHOD1 PE=1 SV=3	0.001508	2.470863	Yes
DIAP1_HUMAN	Protein diaphanous homolog 1 OS=Homo sapiens GN=DIAPH1 PE=1 SV=2	0.003538	2.463448	Yes
PP6R3_HUMAN	Serine/threonine-protein phosphatase 6 regulatory subunit 3 OS=Homo sapiens GN=PPP6R3 PE=1 SV=2	0.030851	2.452876	Yes
RIPK1_HUMAN	Receptor-interacting serine/threonine-protein kinase 1 OS=Homo sapiens GN=RIPK1 PE=1 SV=3	0.019717	2.438807	Yes
MCA3_HUMAN	Eukaryotic translation elongation factor 1 epsilon-1 OS=Homo sapiens GN=EEF1E1 PE=1 SV=1	0.002046	2.426529	Yes
CIP4_HUMAN	Cdc42-interacting protein 4 OS=Homo sapiens OX=9606 GN=TRIP10 PE=1 SV=3	0.030755	2.425763	Yes
CLU_HUMAN	Clustered mitochondria protein homolog OS=Homo sapiens GN=CLUH PE=1 SV=2	0.046375	2.421189	Yes
TS101_HUMAN	Tumor susceptibility gene 101 protein OS=Homo sapiens GN=TSG101 PE=1 SV=2	0.008686	2.414854	Yes
SURF4_HUMAN	Surfeit locus protein 4 OS=Homo sapiens OX=9606 GN=SURF4 PE=1 SV=3	0.004324	2.414524	Yes
KANK3_HUMAN	KN motif and ankyrin repeat domain-containing protein 3 OS=Homo sapiens OX=9606 GN=KANK3 PE=1 SV=1	0.044359	2.414433	Yes
ITPR3_HUMAN	Inositol 1,4,5-trisphosphate receptor type 3 OS=Homo sapiens GN=ITPR3 PE=1 SV=2	8.86E-05	2.411159	Yes
NQO1_HUMAN	NAD(P)H dehydrogenase [quinone] 1 OS=Homo sapiens GN=NQO1 PE=1 SV=1	0.020565	2.408845	Yes
ZO2_HUMAN	Tight junction protein ZO-2 OS=Homo sapiens GN=TJP2 PE=1 SV=2	3.89E-07	2.401838	Yes
NEDD1_HUMAN	Protein NEDD1 OS=Homo sapiens GN=NEDD1 PE=1 SV=1	0.003207	2.397423	Yes
UTRO_HUMAN	Utrophin OS=Homo sapiens GN=UTRN PE=1 SV=2	3.44E-05	2.393274	Yes
CTND1_HUMAN	Catenin delta-1 OS=Homo sapiens GN=CTNND1 PE=1 SV=1	7.34E-05	2.39319	Yes
WASL_HUMAN	Neural Wiskott-Aldrich syndrome protein OS=Homo sapiens OX=9606 GN=WASL PE=1 SV=2	0.042104	2.38859	Yes
MTMR14_HUMAN	Myotubularin-related protein 14 OS=Homo sapiens OX=9606 GN=MTMR14 PE=1 SV=2	0.004744	2.38781	Yes

MACF1_HUMAN	Microtubule-actin cross-linking factor 1, isoforms 1/2/3/5 OS=Homo sapiens GN=MACF1 PE=1 SV=4	4.58E-06	2.385359	Yes
KIF2A_HUMAN	Kinesin-like protein KIF2A OS=Homo sapiens GN=KIF2A PE=1 SV=3	0.048699	2.38054	Yes
TUT7_HUMAN	Terminal uridylyltransferase 7 OS=Homo sapiens GN=ZCCHC6 PE=1 SV=1	0.035099	2.378276	Yes
GPSM1_HUMAN	G-protein-signaling modulator 1 OS=Homo sapiens OX=9606 GN=GPSM1 PE=1 SV=2	0.016391	2.375245	Yes
SPAS2_HUMAN	Spermatogenesis-associated serine-rich protein 2 OS=Homo sapiens GN=SPATS2 PE=1 SV=1	0.003256	2.371368	Yes
TANC1_HUMAN	Protein TANC1 OS=Homo sapiens GN=TANC1 PE=1 SV=3	0.031505	2.366993	Yes
OGA_HUMAN	Protein O-GlcNAcase OS=Homo sapiens GN=MGEA5 PE=1 SV=2	0.000115	2.357714	Yes
SMAD3_HUMAN	Mothers against decapentaplegic homolog 3 OS=Homo sapiens GN=SMAD3 PE=1 SV=1	0.005267	2.356954	Yes
DOCK6_HUMAN	Dedicator of cytokinesis protein 6 OS=Homo sapiens GN=DOCK6 PE=1 SV=3	1.12E-05	2.353029	Yes
PGAM5_HUMAN	Serine/threonine-protein phosphatase PGAM5, mitochondrial OS=Homo sapiens GN=PGAM5 PE=1 SV=2	0.001048	2.334906	Yes
ACTN1_HUMAN	Alpha-actinin-1 OS=Homo sapiens GN=ACTN1 PE=1 SV=2	0.042347	2.326975	Yes
USO1_HUMAN	General vesicular transport factor p115 OS=Homo sapiens GN=USO1 PE=1 SV=2	3.18E-05	2.318769	Yes
F1142_HUMAN	Protein FAM114A2 OS=Homo sapiens OX=9606 GN=FAM114A2 PE=1 SV=4	0.00325	2.318614	Yes
LAMA3_HUMAN	Laminin subunit alpha-3 OS=Homo sapiens OX=9606 GN=LAMA3 PE=1 SV=2	0.029625	2.310022	Yes
STXB1_HUMAN	Syntaxin-binding protein 1 OS=Homo sapiens GN=STXBP1 PE=1 SV=1	0.037516	2.297139	Yes
PTPRK_HUMAN	Receptor-type tyrosine-protein phosphatase kappa OS=Homo sapiens OX=9606 GN=PTPRK PE=1 SV=2	0.041832	2.293709	Yes
STAR9_HUMAN	StAR-related lipid transfer protein 9 OS=Homo sapiens OX=9606 GN=STARD9 PE=1 SV=3	0.035246	2.291973	Yes
MB12A_HUMAN	Multivesicular body subunit 12A OS=Homo sapiens OX=9606 GN=MVB12A PE=1 SV=1	0.000266	2.284874	Yes

WFS1_HUMAN	Wolframin OS=Homo sapiens OX=9606 GN=WFS1 PE=1 SV=2	0.04 638 1	2.28 148 8	Yes
OTUD4_HUMAN	OTU domain-containing protein 4 OS=Homo sapiens OX=9606 GN=OTUD4 PE=1 SV=4	0.03 502	2.27 661	Yes
KS6A3_HUMAN	Ribosomal protein S6 kinase alpha-3 OS=Homo sapiens GN=RPS6KA3 PE=1 SV=1	0.01 357 1	2.26 960 3	Yes
EMAL3_HUMAN	Echinoderm microtubule-associated protein-like 3 OS=Homo sapiens OX=9606 GN=EML3 PE=1 SV=1	0.03 322 5	2.26 613 5	Yes
STAT3_HUMAN	Signal transducer and activator of transcription 3 OS=Homo sapiens GN=STAT3 PE=1 SV=2	0.02 689	2.24 927	Yes
SPA5L_HUMAN	Spermatogenesis-associated protein 5-like protein 1 OS=Homo sapiens OX=9606 GN=SPATA5L1 PE=1 SV=2	0.00 804 9	2.24 758 4	Yes
SC31A_HUMAN	Protein transport protein Sec31A OS=Homo sapiens GN=SEC31A PE=1 SV=3	0.00 186 7	2.23 891 3	Yes
SACS_HUMAN	Saccin OS=Homo sapiens GN=SACS PE=1 SV=2	0.03 111 2	2.23 725 5	Yes
PDLI1_HUMAN	PDZ and LIM domain protein 1 OS=Homo sapiens GN=PDLIM1 PE=1 SV=4	0.00 025 5	2.23 541 7	Yes
DC1L1_HUMAN	Cytoplasmic dynein 1 light intermediate chain 1 OS=Homo sapiens GN=DYNC1L1 PE=1 SV=3	2.00 E- 05	2.22 039 6	Yes
EXOS6_HUMAN	Exosome complex component MTR3 OS=Homo sapiens GN=EXOSC6 PE=1 SV=1	0.04 939 1	2.21 4	Yes
DPYL2_HUMAN	Dihydropyrimidinase-related protein 2 OS=Homo sapiens GN=DPYSL2 PE=1 SV=1	0.00 069 8	2.19 860 1	Yes
LARP4_HUMAN	La-related protein 4 OS=Homo sapiens GN=LARP4 PE=1 SV=3	0.02 983 8	2.18 791 3	Yes
UBAP2_HUMAN	Ubiquitin-associated protein 2 OS=Homo sapiens GN=UBAP2 PE=1 SV=1	1.52 E- 05	2.18 057 3	Yes
EDC4_HUMAN	Enhancer of mRNA-decapping protein 4 OS=Homo sapiens GN=EDC4 PE=1 SV=1	0.00 051 4	2.17 788 2	Yes
SPD2B_HUMAN	SH3 and PX domain-containing protein 2B OS=Homo sapiens GN=SH3PXD2B PE=1 SV=3	4.29 E- 06	2.17 748 4	Yes
UB2L6_HUMAN	Ubiquitin/ISG15-conjugating enzyme E2 L6 OS=Homo sapiens OX=9606 GN=UBE2L6 PE=1 SV=4	0.04 118 3	2.17 621	Yes
SMN_HUMAN	Survival motor neuron protein OS=Homo sapiens OX=9606 GN=SMN1 PE=1 SV=1	0.01 901 5	2.17 271 4	Yes

DNM1L_HUMAN	Dynamin-1-like protein OS=Homo sapiens GN=DNM1L PE=1 SV=2	0.008896	2.164687	Yes
GOLGB1_HUMAN	Golgin subfamily B member 1 OS=Homo sapiens GN=GOLGB1 PE=1 SV=2	7.47E-05	2.156621	Yes
MYCBP_HUMAN	c-Myc-binding protein OS=Homo sapiens OX=9606 GN=MYCBP PE=1 SV=3	0.021008	2.148916	Yes
JCAD_HUMAN	Junctional protein associated with coronary artery disease OS=Homo sapiens OX=9606 GN=JCAD PE=1 SV=3	0.023707	2.142666	Yes
RIPOR1_HUMAN	Rho family-interacting cell polarization regulator 1 OS=Homo sapiens OX=9606 GN=RIPOR1 PE=1 SV=1	0.003483	2.142407	Yes
MAP1B_HUMAN	Microtubule-associated protein 1B OS=Homo sapiens GN=MAP1B PE=1 SV=2	2.27E-07	2.141737	Yes
CLCA_HUMAN	Clathrin light chain A OS=Homo sapiens GN=CLTA PE=1 SV=1	0.000589	2.138322	Yes
FOXK1_HUMAN	Forkhead box protein K1 OS=Homo sapiens OX=9606 GN=FOXK1 PE=1 SV=1	0.019211	2.11391	Yes
ABI1_HUMAN	Abl interactor 1 OS=Homo sapiens GN=ABI1 PE=1 SV=4	0.009159	2.106432	Yes
EXOC8_HUMAN	Exocyst complex component 8 OS=Homo sapiens GN=EXOC8 PE=1 SV=2	0.040305	2.104969	Yes
LIMA1_HUMAN	LIM domain and actin-binding protein 1 OS=Homo sapiens GN=LIMA1 PE=1 SV=1	0.003366	2.10121	Yes
STRN_HUMAN	Striatin OS=Homo sapiens GN=STRN PE=1 SV=4	0.007191	2.090953	Yes
LIPB1_HUMAN	Liprin-beta-1 OS=Homo sapiens GN=PPFIBP1 PE=1 SV=2	2.63E-05	2.088987	Yes
SHRM4_HUMAN	Protein Shroom4 OS=Homo sapiens GN=SHROOM4 PE=1 SV=3	0.014767	2.087466	Yes
CSN3_HUMAN	COP9 signalosome complex subunit 3 OS=Homo sapiens GN=COPS3 PE=1 SV=3	0.003728	2.078286	Yes
UBR4_HUMAN	E3 ubiquitin-protein ligase UBR4 OS=Homo sapiens GN=UBR4 PE=1 SV=1	0.000287	2.072831	Yes
PRKCI_HUMAN	Protein kinase C iota type OS=Homo sapiens OX=9606 GN=PRKCI PE=1 SV=2	0.035583	2.071291	Yes
TNPO3_HUMAN	Transportin-3 OS=Homo sapiens OX=9606 GN=TNPO3 PE=1 SV=3	0.044986	2.057738	Yes

LRC8A_HUMAN	Volume-regulated anion channel subunit LRRC8A OS=Homo sapiens OX=9606 GN=LRRC8A PE=1 SV=1	0.04 351 3	2.04 440 8	Yes
OGFR_HUMAN	Opioid growth factor receptor OS=Homo sapiens GN=OGFR PE=1 SV=3	4.66 E- 05	2.03 900 4	Yes
GIMA1_HUMAN	GTPase IMAP family member 1 OS=Homo sapiens OX=9606 GN=GIMAP1 PE=1 SV=1	0.00 012 5	2.03 578	Yes
F120A_HUMAN	Constitutive coactivator of PPAR-gamma-like protein 1 OS=Homo sapiens GN=FAM120A PE=1 SV=2	0.00 087 6	2.03 398 2	Yes
NU214_HUMAN	Nuclear pore complex protein Nup214 OS=Homo sapiens GN=NUP214 PE=1 SV=2	0.00 272 7	2.03 308 3	Yes
HCFC1_HUMAN	Host cell factor 1 OS=Homo sapiens GN=HCFC1 PE=1 SV=2	0.00 087 9	2.02 662 4	Yes
TAOK2_HUMAN	Serine/threonine-protein kinase TAO2 OS=Homo sapiens GN=TAOK2 PE=1 SV=2	0.00 548 5	2.02 364 5	Yes
GSTO1_HUMAN	Glutathione S-transferase omega-1 OS=Homo sapiens GN=GSTO1 PE=1 SV=2	0.02 6	2.01 226 1	Yes
KLC1_HUMAN	Kinesin light chain 1 OS=Homo sapiens GN=KLC1 PE=1 SV=2	1.43 E- 07	2.00 379 1	Yes
NRBP_HUMAN	Nuclear receptor-binding protein OS=Homo sapiens GN=NRBP1 PE=1 SV=1	0.00 392	1.98 957 4	Yes
SC24C_HUMAN	Protein transport protein Sec24C OS=Homo sapiens GN=SEC24C PE=1 SV=3	2.23 E- 06	1.98 657 5	Yes
NEK6_HUMAN	Serine/threonine-protein kinase Nek6 OS=Homo sapiens GN=NEK6 PE=1 SV=2	0.01 759	1.98 457 2	Yes
CCD50_HUMAN	Coiled-coil domain-containing protein 50 OS=Homo sapiens GN=CCDC50 PE=1 SV=1	0.00 144 8	1.97 821 1	Yes
ZN598_HUMAN	Zinc finger protein 598 OS=Homo sapiens GN=ZNF598 PE=1 SV=1	0.03 447 9	1.97 612 6	Yes
SYNE1_HUMAN	Nesprin-1 OS=Homo sapiens GN=SYNE1 PE=1 SV=4	0.01 352 7	1.97 541 6	Yes
ATLA2_HUMAN	Atlantin-2 OS=Homo sapiens OX=9606 GN=ATL2 PE=1 SV=2	0.01 447 2	1.96 480 3	Yes
K1C39_HUMAN	Keratin, type I cytoskeletal 39 OS=Homo sapiens OX=9606 GN=KRT39 PE=1 SV=2	0.00 932 7	1.95 937 7	Yes
SHLB1_HUMAN	Endophilin-B1 OS=Homo sapiens GN=SH3GLB1 PE=1 SV=1	0.00 574	1.95 585 5	Yes

PLIN3_HUMAN	Perilipin-3 OS=Homo sapiens GN=PLIN3 PE=1 SV=3	5.35 E- 05	1.94 852 9	Yes
FILA2_HUMAN	Filaggrin-2 OS=Homo sapiens GN=FLG2 PE=1 SV=1	0.04 295 6	1.94 829 8	Yes
RAI14_HUMAN	Ankyrcorbin OS=Homo sapiens GN=RAI14 PE=1 SV=2	2.34 E- 06	1.94 748 8	Yes
DP13A_HUMAN	DCC-interacting protein 13-alpha OS=Homo sapiens GN=APPL1 PE=1 SV=1	0.02 403 6	1.94 333 2	Yes
DDB2_HUMAN	DNA damage-binding protein 2 OS=Homo sapiens OX=9606 GN=DDB2 PE=1 SV=1	0.01 593 4	1.93 044 1	Yes
WDR6_HUMAN	WD repeat-containing protein 6 OS=Homo sapiens OX=9606 GN=WDR6 PE=1 SV=1	0.02 109 4	1.92 289 5	Yes
KINH_HUMAN	Kinesin-1 heavy chain OS=Homo sapiens GN=KIF5B PE=1 SV=1	0.00 101 4	1.91 925 6	Yes
TPD54_HUMAN	Tumor protein D54 OS=Homo sapiens GN=TPD52L2 PE=1 SV=2	0.00 587	1.91 547 1	Yes
EMAL4_HUMAN	Echinoderm microtubule-associated protein-like 4 OS=Homo sapiens GN=EML4 PE=1 SV=3	0.02 597 9	1.89 880 1	Yes
CDC27_HUMAN	Cell division cycle protein 27 homolog OS=Homo sapiens GN=CDC27 PE=1 SV=2	0.00 126 1	1.89 345 9	Yes
GAPD1_HUMAN	GTPase-activating protein and VPS9 domain-containing protein 1 OS=Homo sapiens GN=GAPVD1 PE=1 SV=2	0.00 023 3	1.89 344 4	Yes
CSN4_HUMAN	COP9 signalosome complex subunit 4 OS=Homo sapiens GN=COPS4 PE=1 SV=1	0.00 017	1.88 001 5	Yes
LARP1_HUMAN	La-related protein 1 OS=Homo sapiens GN=LARP1 PE=1 SV=2	0.00 994 4	1.87 220 4	Yes
YIF1B_HUMAN	Protein YIF1B OS=Homo sapiens OX=9606 GN=YIF1B PE=1 SV=1	0.03 444 6	1.86 520 2	Yes
VINC_HUMAN	Vinculin OS=Homo sapiens GN=VCL PE=1 SV=4	0.00 883 4	1.85 408 8	Yes
WASF2_HUMAN	Wiskott-Aldrich syndrome protein family member 2 OS=Homo sapiens GN=WASF2 PE=1 SV=3	0.00 037 9	1.84 106 6	Yes
NUDC1_HUMAN	NudC domain-containing protein 1 OS=Homo sapiens GN=NUDCD1 PE=1 SV=2	0.04 434 3	1.83 576	Yes
UBP47_HUMAN	Ubiquitin carboxyl-terminal hydrolase 47 OS=Homo sapiens GN=USP47 PE=1 SV=3	0.00 124 4	1.83 523 9	Yes

CLCB_HUMAN	Clathrin light chain B OS=Homo sapiens GN=CLTB PE=1 SV=1	0.001156	1.832397	Yes
PLPL6_HUMAN	Neuropathy target esterase OS=Homo sapiens GN=PNPLA6 PE=1 SV=2	0.017444	1.816781	Yes
PYR1_HUMAN	CAD protein OS=Homo sapiens GN=CAD PE=1 SV=3	1.06E-08	1.810109	Yes
UBE3C_HUMAN	Ubiquitin-protein ligase E3C OS=Homo sapiens GN=UBE3C PE=1 SV=3	0.030166	1.809992	Yes
STAT1_HUMAN	Signal transducer and activator of transcription 1-alpha/beta OS=Homo sapiens GN=STAT1 PE=1 SV=2	0.002639	1.805222	Yes
GCN1_HUMAN	eIF-2-alpha kinase activator GCN1 OS=Homo sapiens OX=9606 GN=GCN1 PE=1 SV=6	1.02E-06	1.800274	Yes
CE170_HUMAN	Centrosomal protein of 170 kDa OS=Homo sapiens GN=CEP170 PE=1 SV=1	5.01E-05	1.794189	Yes
PDC6L_HUMAN	Programmed cell death 6-interacting protein OS=Homo sapiens GN=PDCD6IP PE=1 SV=1	1.10E-07	1.784392	Yes
C1QBP_HUMAN	Complement component 1 Q subcomponent-binding protein, mitochondrial OS=Homo sapiens GN=C1QBP PE=1 SV=1	0.004198	1.783806	Yes
SCAM3_HUMAN	Secretory carrier-associated membrane protein 3 OS=Homo sapiens GN=SCAMP3 PE=1 SV=3	0.000523	1.777757	Yes
PRC2C_HUMAN	Protein PRRC2C OS=Homo sapiens GN=PRRC2C PE=1 SV=4	0.000186	1.770218	Yes
AGFG1_HUMAN	Arf-GAP domain and FG repeat-containing protein 1 OS=Homo sapiens GN=AGFG1 PE=1 SV=2	0.005364	1.758816	Yes
DPP9_HUMAN	Dipeptidyl peptidase 9 OS=Homo sapiens OX=9606 GN=DPP9 PE=1 SV=3	0.006637	1.745354	Yes
E41L2_HUMAN	Band 4.1-like protein 2 OS=Homo sapiens GN=EPB41L2 PE=1 SV=1	0.002407	1.742807	Yes
MYO5A_HUMAN	Unconventional myosin-Va OS=Homo sapiens GN=MYO5A PE=1 SV=2	4.39E-05	1.73918	Yes
MAGD2_HUMAN	Melanoma-associated antigen D2 OS=Homo sapiens GN=MAGED2 PE=1 SV=2	0.001237	1.738488	Yes
DNJA1_HUMAN	DnaJ homolog subfamily A member 1 OS=Homo sapiens GN=DNAJA1 PE=1 SV=2	0.011823	1.734942	Yes
NU155_HUMAN	Nuclear pore complex protein Nup155 OS=Homo sapiens GN=NUP155 PE=1 SV=1	0.006928	1.72224	Yes

GFPT1_HUMAN	Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1 OS=Homo sapiens GN=GFPT1 PE=1 SV=3	0.038338	1.717737	Yes
ANM5_HUMAN	Protein arginine N-methyltransferase 5 OS=Homo sapiens GN=PRMT5 PE=1 SV=4	0.002932	1.714437	Yes
ZCHC8_HUMAN	Zinc finger CCHC domain-containing protein 8 OS=Homo sapiens OX=9606 GN=ZCCHC8 PE=1 SV=2	0.028355	1.700424	Yes
NOS3_HUMAN	Nitric oxide synthase, endothelial OS=Homo sapiens GN=NOS3 PE=1 SV=3	4.09E-05	1.697605	Yes
SPTC2_HUMAN	Serine palmitoyltransferase 2 OS=Homo sapiens GN=SPTLC2 PE=1 SV=1	0.01015	1.684767	Yes
UHRF2_HUMAN	E3 ubiquitin-protein ligase UHRF2 OS=Homo sapiens OX=9606 GN=UHRF2 PE=1 SV=1	0.000301	1.681156	Yes
UBP10_HUMAN	Ubiquitin carboxyl-terminal hydrolase 10 OS=Homo sapiens GN=USP10 PE=1 SV=2	0.000241	1.668615	Yes
PKN1_HUMAN	Serine/threonine-protein kinase N1 OS=Homo sapiens GN=PKN1 PE=1 SV=2	0.005235	1.667616	Yes
TRIR_HUMAN	Telomerase RNA component interacting RNase OS=Homo sapiens OX=9606 GN=TRIR PE=1 SV=1	0.027798	1.666711	Yes
MOT1_HUMAN	Monocarboxylate transporter 1 OS=Homo sapiens GN=SLC16A1 PE=1 SV=3	0.004514	1.641045	Yes
VRK2_HUMAN	Serine/threonine-protein kinase VRK2 OS=Homo sapiens GN=VRK2 PE=1 SV=3	0.001821	1.639451	Yes
ATRAP_HUMAN	Type-1 angiotensin II receptor-associated protein OS=Homo sapiens GN=AGTRAP PE=1 SV=1	0.000429	1.633818	Yes
CAV1_HUMAN	Caveolin-1 OS=Homo sapiens GN=CAV1 PE=1 SV=4	0.001566	1.633629	Yes
PDLI4_HUMAN	PDZ and LIM domain protein 4 OS=Homo sapiens GN=PDLIM4 PE=1 SV=2	0.002307	1.632956	Yes
MAP1S_HUMAN	Microtubule-associated protein 1S OS=Homo sapiens GN=MAP1S PE=1 SV=2	0.0008	1.62865	Yes
ACSL4_HUMAN	Long-chain-fatty-acid--CoA ligase 4 OS=Homo sapiens GN=ACSL4 PE=1 SV=2	0.000431	1.617264	Yes
M4K4_HUMAN	Mitogen-activated protein kinase kinase kinase kinase 4 OS=Homo sapiens GN=MAP4K4 PE=1 SV=2	0.000282	1.606691	Yes
NHRF2_HUMAN	Na(+)/H(+) exchange regulatory cofactor NHE-RF2 OS=Homo sapiens GN=SLC9A3R2 PE=1 SV=2	0.02003	1.600871	Yes

ESYT1_HUMAN	Extended synaptotagmin-1 OS=Homo sapiens GN=ESYT1 PE=1 SV=1	4.22 E-07	1.59 433 3	Yes
TRIM22_HUMAN	E3 ubiquitin-protein ligase TRIM22 OS=Homo sapiens GN=TRIM22 PE=1 SV=1	0.02 955 3	1.59 356 5	Yes
AKA12_HUMAN	A-kinase anchor protein 12 OS=Homo sapiens GN=AKAP12 PE=1 SV=4	0.00 207 5	1.59 197 3	Yes
SCFD1_HUMAN	Sec1 family domain-containing protein 1 OS=Homo sapiens GN=SCFD1 PE=1 SV=4	0.00 012 1	1.59 174 2	Yes
UN45A_HUMAN	Protein unc-45 homolog A OS=Homo sapiens GN=UNC45A PE=1 SV=1	0.00 151 1	1.58 638	Yes
ILK_HUMAN	Integrin-linked protein kinase OS=Homo sapiens GN=ILK PE=1 SV=2	0.02 685 1	1.58 333	Yes
NUFP2_HUMAN	Nuclear fragile X mental retardation-interacting protein 2 OS=Homo sapiens GN=NUFIP2 PE=1 SV=1	4.19 E-06	1.58 180 6	Yes
LDHB_HUMAN	L-lactate dehydrogenase B chain OS=Homo sapiens GN=LDHB PE=1 SV=2	3.73 E-05	1.57 046 1	Yes
AHNK2_HUMAN	Protein AHNAK2 OS=Homo sapiens GN=AHNAK2 PE=1 SV=2	0.00 315 8	1.55 330 1	Yes
RANB9_HUMAN	Ran-binding protein 9 OS=Homo sapiens GN=RANBP9 PE=1 SV=1	0.00 256 6	1.54 418 2	Yes
EIF3C_HUMAN	Eukaryotic translation initiation factor 3 subunit C OS=Homo sapiens GN=EIF3C PE=1 SV=1	0.00 208 2	1.53 924 2	Yes
IF4G1_HUMAN	Eukaryotic translation initiation factor 4 gamma 1 OS=Homo sapiens GN=EIF4G1 PE=1 SV=4	2.46 E-05	1.53 484 8	Yes
AIP_HUMAN	AH receptor-interacting protein OS=Homo sapiens OX=9606 GN=AIP PE=1 SV=2	0.00 082	1.53 238	Yes
PIEZ1_HUMAN	Piezo-type mechanosensitive ion channel component 1 OS=Homo sapiens OX=9606 GN=PIEZO1 PE=1 SV=4	0.03 528	1.52 352	Yes
RIR1_HUMAN	Ribonucleoside-diphosphate reductase large subunit OS=Homo sapiens GN=RRM1 PE=1 SV=1	0.01 059 2	1.51 733 4	Yes
FAS_HUMAN	Fatty acid synthase OS=Homo sapiens GN=FASN PE=1 SV=3	4.91 E-08	1.51 479 9	Yes
ATX2_HUMAN	Ataxin-2 OS=Homo sapiens GN=ATXN2 PE=1 SV=2	0.01 769 7	1.50 875	Yes
PUR2_HUMAN	Trifunctional purine biosynthetic protein adenosine-3 OS=Homo sapiens GN=GART PE=1 SV=1	0.00 775 2	1.48 999	Yes

CADH5_HUMAN	Cadherin-5 OS=Homo sapiens GN=CDH5 PE=1 SV=5	0.028586	1.484252	Yes
PPME1_HUMAN	Protein phosphatase methylesterase 1 OS=Homo sapiens GN=PPME1 PE=1 SV=3	0.036919	1.483468	Yes
EMD_HUMAN	Emerin OS=Homo sapiens GN=EMD PE=1 SV=1	0.006999	1.479578	Yes
UBP2L_HUMAN	Ubiquitin-associated protein 2-like OS=Homo sapiens GN=UBAP2L PE=1 SV=2	7.12E-05	1.477048	Yes
SMC2_HUMAN	Structural maintenance of chromosomes protein 2 OS=Homo sapiens GN=SMC2 PE=1 SV=2	0.006169	1.475224	Yes
SEP10_HUMAN	Septin-10 OS=Homo sapiens OX=9606 GN=SEPT10 PE=1 SV=2	0.009035	1.471931	Yes
LUZP1_HUMAN	Leucine zipper protein 1 OS=Homo sapiens GN=LUZP1 PE=1 SV=2	0.0003	1.471077	Yes
TNIK_HUMAN	TRAF2 and NCK-interacting protein kinase OS=Homo sapiens GN=TNIK PE=1 SV=1	0.04929	1.453869	Yes
ACTY_HUMAN	Beta-centractin OS=Homo sapiens GN=ACTR1B PE=1 SV=1	0.025344	1.453056	Yes
CSN2_HUMAN	COP9 signalosome complex subunit 2 OS=Homo sapiens GN=COPS2 PE=1 SV=1	0.010099	1.450238	Yes
SMC4_HUMAN	Structural maintenance of chromosomes protein 4 OS=Homo sapiens GN=SMC4 PE=1 SV=2	0.01533	1.435564	Yes
SRPRA_HUMAN	Signal recognition particle receptor subunit alpha OS=Homo sapiens OX=9606 GN=SRPRA PE=1 SV=2	0.001548	1.430577	Yes
HCLS1_HUMAN	Hematopoietic lineage cell-specific protein OS=Homo sapiens GN=HCLS1 PE=1 SV=3	9.06E-05	1.420436	Yes
RTF2_HUMAN	Protein RTF2 homolog OS=Homo sapiens GN=RTFDC1 PE=1 SV=3	0.043493	1.411443	Yes
IMDH1_HUMAN	Inosine-5'-monophosphate dehydrogenase 1 OS=Homo sapiens GN=IMPDH1 PE=1 SV=2	0.007566	1.408804	Yes
SYRC_HUMAN	Arginine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=RARS PE=1 SV=2	0.001244	1.40836	Yes
STK10_HUMAN	Serine/threonine-protein kinase 10 OS=Homo sapiens GN=STK10 PE=1 SV=1	0.016961	1.400512	Yes
ARHGAM1	Rho guanine nucleotide exchange factor 10 OS=Homo sapiens GN=ARHGEF10 PE=1 SV=4	0.013212	1.399367	Yes

PCBP1_HUMAN	Poly(rC)-binding protein 1 OS=Homo sapiens GN=PCBP1 PE=1 SV=2	0.001252	1.397992	Yes
ACINU_HUMAN	Apoptotic chromatin condensation inducer in the nucleus OS=Homo sapiens GN=ACIN1 PE=1 SV=2	0.041971	1.387462	Yes
AIMP1_HUMAN	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 OS=Homo sapiens GN=AIMP1 PE=1 SV=2	2.56E-05	1.385802	Yes
XPO5_HUMAN	Exportin-5 OS=Homo sapiens GN=XPO5 PE=1 SV=1	0.035808	1.369706	Yes
DLGP5_HUMAN	Disks large-associated protein 5 OS=Homo sapiens GN=DLGAP5 PE=1 SV=2	0.005859	1.36834	Yes
RPB2_HUMAN	DNA-directed RNA polymerase II subunit RPB2 OS=Homo sapiens GN=POLR2B PE=1 SV=1	0.01224	1.359717	Yes
NU205_HUMAN	Nuclear pore complex protein Nup205 OS=Homo sapiens GN=NUP205 PE=1 SV=3	0.023798	1.348948	Yes
FKBP8_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP8 OS=Homo sapiens GN=FKBP8 PE=1 SV=2	0.015296	1.348654	Yes
CAND1_HUMAN	Cullin-associated NEDD8-dissociated protein 1 OS=Homo sapiens GN=CAND1 PE=1 SV=2	0.003015	1.348173	Yes
FLNB_HUMAN	Filamin-B OS=Homo sapiens GN=FLNB PE=1 SV=2	0.0019	1.346757	Yes
ACLY_HUMAN	ATP-citrate synthase OS=Homo sapiens GN=ACLY PE=1 SV=3	0.008457	1.344149	Yes
SYEP_HUMAN	Bifunctional glutamate/proline--tRNA ligase OS=Homo sapiens GN=EPRS PE=1 SV=5	2.96E-08	1.342395	Yes
NDUS3_HUMAN	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial OS=Homo sapiens GN=NDUFS3 PE=1 SV=1	0.006039	1.342199	Yes
TERA_HUMAN	Transitional endoplasmic reticulum ATPase OS=Homo sapiens GN=VCP PE=1 SV=4	7.39E-07	1.339453	Yes
SYIC_HUMAN	Isoleucine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=IARS PE=1 SV=2	0.004937	1.339154	Yes
RAIN_HUMAN	Ras-interacting protein 1 OS=Homo sapiens GN=RASIP1 PE=1 SV=1	0.000341	1.337265	Yes
CORO7_HUMAN	Coronin-7 OS=Homo sapiens GN=CORO7 PE=1 SV=2	0.01857	1.336499	Yes
TFR1_HUMAN	Transferrin receptor protein 1 OS=Homo sapiens GN=TFRC PE=1 SV=2	0.030583	1.334743	Yes

GDIB_HUMAN	Rab GDP dissociation inhibitor beta OS=Homo sapiens GN=GDI2 PE=1 SV=2	0.02 628 6	1.33 248 7	Yes
VATH_HUMAN	V-type proton ATPase subunit H OS=Homo sapiens GN=ATP6V1H PE=1 SV=1	0.00 260 8	1.32 515 7	Yes
LRRF1_HUMAN	Leucine-rich repeat flightless-interacting protein 1 OS=Homo sapiens GN=LRRFIP1 PE=1 SV=2	0.00 302 3	1.31 950 6	Yes
VIGLN_HUMAN	Vigilin OS=Homo sapiens GN=HDLBP PE=1 SV=2	3.02 E- 08	1.31 667 2	Yes
FLNA_HUMAN	Filamin-A OS=Homo sapiens GN=FLNA PE=1 SV=4	5.95 E- 07	1.30 688 7	Yes
XPO1_HUMAN	Exportin-1 OS=Homo sapiens GN=XPO1 PE=1 SV=1	0.00 381 8	1.30 609 5	Yes
CLH1_HUMAN	Clathrin heavy chain 1 OS=Homo sapiens GN=CLTC PE=1 SV=5	1.86 E- 05	1.30 553 5	Yes
DYHC1_HUMAN	Cytoplasmic dynein 1 heavy chain 1 OS=Homo sapiens GN=DYNC1H1 PE=1 SV=5	1.79 E- 07	1.30 545 8	Yes
MARE2_HUMAN	Microtubule-associated protein RP/EB family member 2 OS=Homo sapiens GN=MAPRE2 PE=1 SV=1	0.00 920 8	1.29 745 3	Yes
SRC8_HUMAN	Src substrate cortactin OS=Homo sapiens GN=CTTN PE=1 SV=2	0.00 088 2	1.29 673 8	Yes
OPA1_HUMAN	Dynamamin-like 120 kDa protein, mitochondrial OS=Homo sapiens OX=9606 GN=OPA1 PE=1 SV=3	0.03 940 9	1.29 485 9	Yes
RRP44_HUMAN	Exosome complex exonuclease RRP44 OS=Homo sapiens GN=DIS3 PE=1 SV=2	0.00 411 8	1.28 143 8	Yes
PLAK_HUMAN	Junction plakoglobin OS=Homo sapiens GN=JUP PE=1 SV=3	0.01 809 2	1.28 007 2	Yes
NUP98_HUMAN	Nuclear pore complex protein Nup98-Nup96 OS=Homo sapiens OX=9606 GN=NUP98 PE=1 SV=4	0.02 897 6	1.27 857	Yes
RUVB1_HUMAN	RuvB-like 1 OS=Homo sapiens GN=RUVBL1 PE=1 SV=1	4.41 E- 06	1.27 108	Yes
SYQ_HUMAN	Glutamine--tRNA ligase OS=Homo sapiens GN=QARS PE=1 SV=1	0.02 027 3	1.27 04	Yes
DDX20_HUMAN	Probable ATP-dependent RNA helicase DDX20 OS=Homo sapiens GN=DDX20 PE=1 SV=2	0.02 954 3	1.25 865 9	Yes
SYCC_HUMAN	Cysteine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=CARS PE=1 SV=3	0.00 860 4	1.24 271 2	Yes

RHG18_HUMAN	Rho GTPase-activating protein 18 OS=Homo sapiens GN=ARHGAP18 PE=1 SV=3	0.008288	1.229578	Yes
DCTN2_HUMAN	Dynactin subunit 2 OS=Homo sapiens GN=DCTN2 PE=1 SV=4	0.001207	1.213639	Yes
HMOX1_HUMAN	Heme oxygenase 1 OS=Homo sapiens GN=HMOX1 PE=1 SV=1	0.004005	1.209741	Yes
STRAP_HUMAN	Serine-threonine kinase receptor-associated protein OS=Homo sapiens GN=STRAP PE=1 SV=1	0.04012	1.208639	Yes
RUVB2_HUMAN	RuvB-like 2 OS=Homo sapiens GN=RUVBL2 PE=1 SV=3	7.57E-06	1.203432	Yes
MYO1E_HUMAN	Unconventional myosin-Ie OS=Homo sapiens GN=MYO1E PE=1 SV=2	0.004086	1.197336	Yes
CCDC47_HUMAN	Coiled-coil domain-containing protein 47 OS=Homo sapiens GN=CCDC47 PE=1 SV=1	0.025838	1.18641	Yes
CTNA1_HUMAN	Catenin alpha-1 OS=Homo sapiens GN=CTNNA1 PE=1 SV=1	0.014199	1.17683	Yes
KBP_HUMAN	KIF1-binding protein OS=Homo sapiens GN=KIF1BP PE=1 SV=1	0.029346	1.17606	Yes
NCKP1_HUMAN	Nck-associated protein 1 OS=Homo sapiens GN=NCKAP1 PE=1 SV=1	0.005719	1.169864	Yes
NSF_HUMAN	Vesicle-fusing ATPase OS=Homo sapiens GN=NSF PE=1 SV=3	0.000824	1.165005	Yes
FLNC_HUMAN	Filamin-C OS=Homo sapiens GN=FLNC PE=1 SV=3	0.023371	1.158495	Yes
DYSF_HUMAN	Dysferlin OS=Homo sapiens GN=DYSF PE=1 SV=1	9.06E-05	1.156124	Yes
PELO_HUMAN	Protein pelota homolog OS=Homo sapiens GN=PELO PE=1 SV=2	0.023795	1.148872	Yes
PICAL_HUMAN	Phosphatidylinositol-binding clathrin assembly protein OS=Homo sapiens GN=PICALM PE=1 SV=2	0.012817	1.124586	Yes
FUBP3_HUMAN	Far upstream element-binding protein 3 OS=Homo sapiens GN=FUBP3 PE=1 SV=2	0.030156	1.124557	Yes
VATB2_HUMAN	V-type proton ATPase subunit B, brain isoform OS=Homo sapiens GN=ATP6V1B2 PE=1 SV=3	0.010959	1.119744	Yes
PURA2_HUMAN	Adenylosuccinate synthetase isozyme 2 OS=Homo sapiens GN=ADSS PE=1 SV=3	0.002085	1.115458	Yes

DAPK3_HUMAN	Death-associated protein kinase 3 OS=Homo sapiens OX=9606 GN=DAPK3 PE=1 SV=1	0.00510	1.11249	Yes
IF2B2_HUMAN	Insulin-like growth factor 2 mRNA-binding protein 2 OS=Homo sapiens GN=IGF2BP2 PE=1 SV=2	0.03766	1.10194	Yes
PIN1_HUMAN	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1 OS=Homo sapiens GN=PIN1 PE=1 SV=1	0.03294	1.09407	Yes
VASP_HUMAN	Vasodilator-stimulated phosphoprotein OS=Homo sapiens GN=VASP PE=1 SV=3	0.04736	1.08866	Yes
TIF1B_HUMAN	Transcription intermediary factor 1-beta OS=Homo sapiens GN=TRIM28 PE=1 SV=5	0.00765	1.08505	Yes
SRPK1_HUMAN	SRSF protein kinase 1 OS=Homo sapiens GN=SRPK1 PE=1 SV=2	0.01025	1.07414	Yes
CAN1_HUMAN	Calpain-1 catalytic subunit OS=Homo sapiens GN=CAPN1 PE=1 SV=1	0.02099	1.06493	Yes
ICAL_HUMAN	Calpastatin OS=Homo sapiens GN=CAST PE=1 SV=4	0.01335	1.05650	Yes
EIF3K_HUMAN	Eukaryotic translation initiation factor 3 subunit K OS=Homo sapiens OX=9606 GN=EIF3K PE=1 SV=1	0.01425	1.04500	Yes
LBR_HUMAN	Lamin-B receptor OS=Homo sapiens GN=LBR PE=1 SV=2	0.03837	1.03657	Yes
PUR4_HUMAN	Phosphoribosylformylglycinamide synthase OS=Homo sapiens GN=PFAS PE=1 SV=4	0.03341	1.03517	Yes
SYLC_HUMAN	Leucine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=LARS PE=1 SV=2	0.00630	1.0298	Yes
GLGB_HUMAN	1,4-alpha-glucan-branching enzyme OS=Homo sapiens GN=GBE1 PE=1 SV=3	0.00015	1.02945	Yes
ZN185_HUMAN	Zinc finger protein 185 OS=Homo sapiens GN=ZNF185 PE=1 SV=3	6.78E-05	1.02418	Yes
SEC22B_HUMAN	Vesicle-trafficking protein SEC22b OS=Homo sapiens GN=SEC22B PE=1 SV=4	0.00682	1.01965	Yes
PDLIM5_HUMAN	PDZ and LIM domain protein 5 OS=Homo sapiens GN=PDLIM5 PE=1 SV=5	0.02109	1.01205	Yes
RAB5C_HUMAN	Ras-related protein Rab-5C OS=Homo sapiens GN=RAB5C PE=1 SV=2	0.01719	1.00932	Yes
TBC15_HUMAN	TBC1 domain family member 15 OS=Homo sapiens GN=TBC1D15 PE=1 SV=2	0.03030	1.00455	Yes

SYAC_HUMAN	Alanine--tRNA ligase, cytoplasmic OS=Homo sapiens GN=AARS PE=1 SV=2	0.00 351 6	0.99 81	Yes
PLEC_HUMAN	Plectin OS=Homo sapiens GN=PLEC PE=1 SV=3	7.88 E- 05	0.97 925 6	Yes
IF4B_HUMAN	Eukaryotic translation initiation factor 4B OS=Homo sapiens GN=EIF4B PE=1 SV=2	0.00 015 7	0.95 222 4	Yes
PAK2_HUMAN	Serine/threonine-protein kinase PAK 2 OS=Homo sapiens GN=PAK2 PE=1 SV=3	0.00 828 9	0.94 290 2	Yes
HS105_HUMAN	Heat shock protein 105 kDa OS=Homo sapiens GN=HSPH1 PE=1 SV=1	0.00 295 7	0.94 262 9	Yes
SRRM2_HUMAN	Serine/arginine repetitive matrix protein 2 OS=Homo sapiens GN=SRRM2 PE=1 SV=2	0.00 934 3	0.93 159 4	Yes
G6PD_HUMAN	Glucose-6-phosphate 1-dehydrogenase OS=Homo sapiens GN=G6PD PE=1 SV=4	0.03 098 6	0.92 889 2	Yes
SLFN5_HUMAN	Schlafen family member 5 OS=Homo sapiens GN=SLFN5 PE=1 SV=1	0.00 786	0.92 455 6	Yes
KTN1_HUMAN	Kinectin OS=Homo sapiens GN=KTN1 PE=1 SV=1	0.01 666 1	0.91 785 7	Yes
RIC8A_HUMAN	Synembryn-A OS=Homo sapiens OX=9606 GN=RIC8A PE=1 SV=3	0.03 656	0.91 455 7	Yes
GNAI2_HUMAN	Guanine nucleotide-binding protein G(i) subunit alpha-2 OS=Homo sapiens GN=GNAI2 PE=1 SV=3	0.00 700 4	0.90 774 8	Yes
SYDC_HUMAN	Aspartate--tRNA ligase, cytoplasmic OS=Homo sapiens GN=DARS PE=1 SV=2	0.00 153 5	0.90 489 7	Yes
COPG1_HUMAN	Coatomer subunit gamma-1 OS=Homo sapiens GN=COPG1 PE=1 SV=1	0.00 716 5	0.90 401 1	Yes
CAPR1_HUMAN	Caprin-1 OS=Homo sapiens GN=CAPRIN1 PE=1 SV=2	0.00 121 5	0.90 205 5	Yes
IMDH2_HUMAN	Inosine-5'-monophosphate dehydrogenase 2 OS=Homo sapiens GN=IMPDH2 PE=1 SV=2	0.00 098 4	0.90 033 9	Yes
EIF3B_HUMAN	Eukaryotic translation initiation factor 3 subunit B OS=Homo sapiens GN=EIF3B PE=1 SV=3	0.00 302 8	0.89 124 4	Yes
PPM1G_HUMAN	Protein phosphatase 1G OS=Homo sapiens GN=PPM1G PE=1 SV=1	0.04 747 6	0.88 402 8	Yes
MARE1_HUMAN	Microtubule-associated protein RP/EB family member 1 OS=Homo sapiens GN=MAPRE1 PE=1 SV=3	0.02 095 8	0.88 301 3	Yes

EIF3A_HUMAN	Eukaryotic translation initiation factor 3 subunit A OS=Homo sapiens GN=EIF3A PE=1 SV=1	8.16 E-05	0.88 2519	Yes
RAGP1_HUMAN	Ran GTPase-activating protein 1 OS=Homo sapiens GN=RANGAP1 PE=1 SV=1	0.00 9658	0.87 7546	Yes
CAPZB_HUMAN	F-actin-capping protein subunit beta OS=Homo sapiens GN=CAPZB PE=1 SV=4	0.00 915	0.87 3303	Yes
MYOF_HUMAN	Myoferlin OS=Homo sapiens GN=MYOF PE=1 SV=1	0.01 1915	0.87 231	Yes
RHOC_HUMAN	Rho-related GTP-binding protein RhoC OS=Homo sapiens GN=RHOC PE=1 SV=1	0.01 157	0.85 3347	Yes
CAVN2_HUMAN	Caveolae-associated protein 2 OS=Homo sapiens OX=9606 GN=CAVIN2 PE=1 SV=3	0.01 1294	0.85 0189	Yes
RAB5A_HUMAN	Ras-related protein Rab-5A OS=Homo sapiens GN=RAB5A PE=1 SV=2	0.04 9888	0.84 3349	Yes
ADDA_HUMAN	Alpha-adducin OS=Homo sapiens GN=ADD1 PE=1 SV=2	0.04 2492	0.83 193	Yes
SPTB2_HUMAN	Spectrin beta chain, non-erythrocytic 1 OS=Homo sapiens GN=SPTBN1 PE=1 SV=2	0.01 2372	0.82 8956	Yes
RS4X_HUMAN	40S ribosomal protein S4, X isoform OS=Homo sapiens GN=RPS4X PE=1 SV=2	0.04 138	0.82 5692	Yes
CNN2_HUMAN	Calponin-2 OS=Homo sapiens GN=CNN2 PE=1 SV=4	0.03 6044	0.82 3743	Yes
PRS7_HUMAN	26S protease regulatory subunit 7 OS=Homo sapiens GN=PSMC2 PE=1 SV=3	0.00 0917	0.80 4887	Yes
GSH0_HUMAN	Glutamate--cysteine ligase regulatory subunit OS=Homo sapiens GN=GCLM PE=1 SV=1	0.00 7182	0.80 3707	Yes
SERA_HUMAN	D-3-phosphoglycerate dehydrogenase OS=Homo sapiens GN=PHGDH PE=1 SV=4	0.01 8866	0.80 3605	Yes
C1TC_HUMAN	C-1-tetrahydrofolate synthase, cytoplasmic OS=Homo sapiens GN=MTHFD1 PE=1 SV=3	0.01 1716	0.80 2098	Yes
DBNL_HUMAN	Drebrin-like protein OS=Homo sapiens GN=DBNL PE=1 SV=1	0.02 273	0.79 5258	Yes
VATA_HUMAN	V-type proton ATPase catalytic subunit A OS=Homo sapiens GN=ATP6V1A PE=1 SV=2	0.02 7587	0.78 3515	Yes
E41L3_HUMAN	Band 4.1-like protein 3 OS=Homo sapiens GN=EPB41L3 PE=1 SV=2	0.04 06	0.77 0434	Yes

STOM_HUMAN	Erythrocyte band 7 integral membrane protein OS=Homo sapiens GN=STOM PE=1 SV=3	0.03 727 9	0.75 477 1	Yes
EIF3E_HUMAN	Eukaryotic translation initiation factor 3 subunit E OS=Homo sapiens GN=EIF3E PE=1 SV=1	0.00 232 8	0.75 327 1	Yes
FLII_HUMAN	Protein flightless-1 homolog OS=Homo sapiens GN=FLII PE=1 SV=2	0.02 113 1	0.75 023 5	Yes
CAVN1_HUMAN	Caveolae-associated protein 1 OS=Homo sapiens OX=9606 GN=CAVIN1 PE=1 SV=1	0.00 210 9	0.74 758 7	Yes
IQGA1_HUMAN	Ras GTPase-activating-like protein IQGAP1 OS=Homo sapiens GN=IQGAP1 PE=1 SV=1	0.00 038 3	0.74 722 8	Yes
COPA_HUMAN	Coatomer subunit alpha OS=Homo sapiens GN=COPA PE=1 SV=2	7.96 E- 05	0.74 623 6	Yes
AHNK_HUMAN	Neuroblast differentiation-associated protein AHNAK OS=Homo sapiens GN=AHNAK PE=1 SV=2	1.41 E- 06	0.72 976 6	Yes
TWF2_HUMAN	Twinfilin-2 OS=Homo sapiens GN=TWF2 PE=1 SV=2	0.02 815 1	0.71 915 6	Yes
CDC37_HUMAN	Hsp90 co-chaperone Cdc37 OS=Homo sapiens GN=CDC37 PE=1 SV=1	0.02 689 1	0.70 954 9	Yes
PRDX1_HUMAN	Peroxiredoxin-1 OS=Homo sapiens GN=PRDX1 PE=1 SV=1	0.04 562 4	0.70 291 4	Yes
PRS8_HUMAN	26S protease regulatory subunit 8 OS=Homo sapiens GN=PSMC5 PE=1 SV=1	0.00 88	0.69 321 7	Yes
FUBP2_HUMAN	Far upstream element-binding protein 2 OS=Homo sapiens GN=KHSRP PE=1 SV=4	0.04 481 7	0.67 587 8	Yes
HSP7C_HUMAN	Heat shock cognate 71 kDa protein OS=Homo sapiens GN=HSPA8 PE=1 SV=1	0.00 045 1	0.66 216 5	Yes
DDX3X_HUMAN	ATP-dependent RNA helicase DDX3X OS=Homo sapiens GN=DDX3X PE=1 SV=3	0.01 070 6	0.65 182 1	Yes
MAP4_HUMAN	Microtubule-associated protein 4 OS=Homo sapiens GN=MAP4 PE=1 SV=3	0.00 046 1	0.64 939 6	Yes
KCD12_HUMAN	BTB/POZ domain-containing protein KCTD12 OS=Homo sapiens GN=KCTD12 PE=1 SV=1	0.04 054 3	0.63 654 2	Yes
CSDE1_HUMAN	Cold shock domain-containing protein E1 OS=Homo sapiens GN=CSDE1 PE=1 SV=2	0.03 001 7	0.59 749 1	Yes
TLN1_HUMAN	Talin-1 OS=Homo sapiens GN=TLN1 PE=1 SV=3	0.00 091 3	0.59 502 6	Yes

CAN2_HUMAN	Calpain-2 catalytic subunit OS=Homo sapiens GN=CAPN2 PE=1 SV=6	0.00 607 1	0.58 809 8	Yes
PRKDC_HUMAN	DNA-dependent protein kinase catalytic subunit OS=Homo sapiens GN=PRKDC PE=1 SV=3	0.00 045 5	0.58 567 3	Yes
SYWC_HUMAN	Tryptophan--tRNA ligase, cytoplasmic OS=Homo sapiens GN=WARS PE=1 SV=2	0.02 247 2	0.56 551 9	Yes
EHD4_HUMAN	EH domain-containing protein 4 OS=Homo sapiens GN=EHD4 PE=1 SV=1	0.00 967	0.50 945 9	Yes
MYO1C_HUMAN	Unconventional myosin-Ic OS=Homo sapiens GN=MYO1C PE=1 SV=4	0.00 831	0.42 758 3	Yes
HNRPU_HUMAN	Heterogeneous nuclear ribonucleoprotein U OS=Homo sapiens GN=HNRNPU PE=1 SV=6	0.03 250 7	- 0.30 971	Yes
DHE3_HUMAN	Glutamate dehydrogenase 1, mitochondrial OS=Homo sapiens GN=GLUD1 PE=1 SV=2	0.03 686	- 0.34 578	Yes
RS3A_HUMAN	40S ribosomal protein S3a OS=Homo sapiens GN=RPS3A PE=1 SV=2	0.02 975 7	- 0.37 701	Yes
KHDR1_HUMAN	KH domain-containing, RNA-binding, signal transduction-associated protein 1 OS=Homo sapiens GN=KHDRBS1 PE=1 SV=1	0.00 212	- 0.40 807	Yes
DHX9_HUMAN	ATP-dependent RNA helicase A OS=Homo sapiens GN=DHX9 PE=1 SV=4	0.04 093 3	- 0.43 488	Yes
LMNA_HUMAN	Prelamin-A/C OS=Homo sapiens GN=LMNA PE=1 SV=1	0.00 977 1	- 0.44 163	Yes
MVP_HUMAN	Major vault protein OS=Homo sapiens GN=MVP PE=1 SV=4	0.02 153 4	- 0.44 946	Yes
MCCA_HUMAN	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial OS=Homo sapiens GN=MCCC1 PE=1 SV=3	0.04 594 2	- 0.49 715	Yes
RL23A_HUMAN	60S ribosomal protein L23a OS=Homo sapiens GN=RPL23A PE=1 SV=1	0.04 851 5	- 0.50 096	Yes
SFPQ_HUMAN	Splicing factor, proline- and glutamine-rich OS=Homo sapiens GN=SFPQ PE=1 SV=2	0.00 672 9	- 0.51 532	Yes
RL36_HUMAN	60S ribosomal protein L36 OS=Homo sapiens GN=RPL36 PE=1 SV=3	0.02 156 9	- 0.52 808	Yes
RL38_HUMAN	60S ribosomal protein L38 OS=Homo sapiens GN=RPL38 PE=1 SV=2	0.01 115 3	- 0.53 188	Yes
RBM39_HUMAN	RNA-binding protein 39 OS=Homo sapiens GN=RBM39 PE=1 SV=2	0.03 318 3	- 0.55 797	Yes

NPM_H UMAN	Nucleophosmin OS=Homo sapiens GN=NPM1 PE=1 SV=2	0.04 708 4	- 0.57 635	Yes
HMGA 1_HUM AN	High mobility group protein HMG-I/HMG-Y OS=Homo sapiens GN=HMGA1 PE=1 SV=3	0.02 202 3	- 0.58 62	Yes
RCC1_ HUMA N	Regulator of chromosome condensation OS=Homo sapiens GN=RCC1 PE=1 SV=1	0.03 151 9	- 0.58 871	Yes
XPO2_ HUMA N	Exportin-2 OS=Homo sapiens GN=CSE1L PE=1 SV=3	0.03 173 2	- 0.61 184	Yes
NUCL_ HUMA N	Nucleolin OS=Homo sapiens GN=NCL PE=1 SV=3	0.03 295 8	- 0.61 194	Yes
P5CS_H UMAN	Delta-1-pyrroline-5-carboxylate synthase OS=Homo sapiens GN=ALDH18A1 PE=1 SV=2	0.03 169 4	- 0.61 752	Yes
RM46_ HUMA N	39S ribosomal protein L46, mitochondrial OS=Homo sapiens GN=MRPL46 PE=1 SV=1	0.03 689 3	- 0.61 879	Yes
XRCC5_ HUM AN	X-ray repair cross-complementing protein 5 OS=Homo sapiens GN=XRCC5 PE=1 SV=3	0.01 919 2	- 0.62 6	Yes
EDF1_ HUMA N	Endothelial differentiation-related factor 1 OS=Homo sapiens GN=EDF1 PE=1 SV=1	0.03 820 3	- 0.63 267	Yes
RBM14_ HUM AN	RNA-binding protein 14 OS=Homo sapiens GN=RBM14 PE=1 SV=2	0.03 850 6	- 0.67 135	Yes
TMED9_ HUM AN	Transmembrane emp24 domain-containing protein 9 OS=Homo sapiens GN=TMED9 PE=1 SV=2	0.04 315 7	- 0.68 788	Yes
PYC_H UMAN	Pyruvate carboxylase, mitochondrial OS=Homo sapiens GN=PC PE=1 SV=2	0.01 905 2	- 0.68 939	Yes
PCCA_ HUMA N	Propionyl-CoA carboxylase alpha chain, mitochondrial OS=Homo sapiens GN=PCCA PE=1 SV=4	0.03 211 1	- 0.72 243	Yes
RS15_H UMAN	40S ribosomal protein S15 OS=Homo sapiens GN=RPS15 PE=1 SV=2	0.00 384 9	- 0.73 81	Yes
HMGB1_ HUM AN	High mobility group protein B1 OS=Homo sapiens GN=HMGB1 PE=1 SV=3	0.03 186 6	- 0.77 292	Yes
CCAR2_ HUM AN	Cell cycle and apoptosis regulator protein 2 OS=Homo sapiens GN=CCAR2 PE=1 SV=2	0.00 652 4	- 0.80 729	Yes
RS13_H UMAN	40S ribosomal protein S13 OS=Homo sapiens GN=RPS13 PE=1 SV=2	0.00 152	- 0.82 216	Yes
PARP1_ HUMA N	Poly [ADP-ribose] polymerase 1 OS=Homo sapiens GN=PARP1 PE=1 SV=4	0.04 450 4	- 0.82 53	Yes

RL14_HUMAN	60S ribosomal protein L14 OS=Homo sapiens GN=RPL14 PE=1 SV=4	0.01761	-0.82709	Yes
MYH10_HUMAN	Myosin-10 OS=Homo sapiens GN=MYH10 PE=1 SV=3	0.02264	-0.83698	Yes
MBB1A_HUMAN	Myb-binding protein 1A OS=Homo sapiens GN=MYBBP1A PE=1 SV=2	0.031028	-0.85574	Yes
PA2G4_HUMAN	Proliferation-associated protein 2G4 OS=Homo sapiens GN=PA2G4 PE=1 SV=3	0.004415	-0.86517	Yes
LMNB2_HUMAN	Lamin-B2 OS=Homo sapiens GN=LMNB2 PE=1 SV=4	0.02222	-0.86891	Yes
LAP2B_HUMAN	Lamina-associated polypeptide 2, isoforms beta/gamma OS=Homo sapiens GN=TMPO PE=1 SV=2	0.017526	-0.89181	Yes
API5_HUMAN	Apoptosis inhibitor 5 OS=Homo sapiens OX=9606 GN=API5 PE=1 SV=3	0.049423	-0.92633	Yes
DLRB1_HUMAN	Dynein light chain roadblock-type 1 OS=Homo sapiens GN=DYNLRB1 PE=1 SV=3	0.023623	-0.93103	Yes
SSBP_HUMAN	Single-stranded DNA-binding protein, mitochondrial OS=Homo sapiens GN=SSBP1 PE=1 SV=1	0.012749	-0.94265	Yes
MMRN2_HUMAN	Multimerin-2 OS=Homo sapiens GN=MMRN2 PE=1 SV=2	0.001236	-0.99449	Yes
SF01_HUMAN	Splicing factor 1 OS=Homo sapiens GN=SF1 PE=1 SV=4	0.010463	-0.99629	Yes
TCRG1_HUMAN	Transcription elongation regulator 1 OS=Homo sapiens OX=9606 GN=TCERG1 PE=1 SV=2	0.049238	-1.08177	Yes
RIF1_HUMAN	Telomere-associated protein RIF1 OS=Homo sapiens GN=RIF1 PE=1 SV=2	0.021716	-1.08998	Yes
LPPRC_HUMAN	Leucine-rich PPR motif-containing protein, mitochondrial OS=Homo sapiens GN=LRPPRC PE=1 SV=3	0.008557	-1.10091	Yes
RLA0_HUMAN	60S acidic ribosomal protein P0 OS=Homo sapiens GN=RPLP0 PE=1 SV=1	0.001187	-1.11269	Yes
SF3A3_HUMAN	Splicing factor 3A subunit 3 OS=Homo sapiens GN=SF3A3 PE=1 SV=1	0.011005	-1.11859	Yes
HP1B3_HUMAN	Heterochromatin protein 1-binding protein 3 OS=Homo sapiens GN=HP1BP3 PE=1 SV=1	0.011123	-1.12856	Yes
PCCB_HUMAN	Propionyl-CoA carboxylase beta chain, mitochondrial OS=Homo sapiens GN=PCCB PE=1 SV=3	0.039361	-1.14091	Yes

PSPC1_HUMAN	Paraspeckle component 1 OS=Homo sapiens GN=PSPC1 PE=1 SV=1	0.011181	-1.14563	Yes
XPP1_HUMAN	Xaa-Pro aminopeptidase 1 OS=Homo sapiens GN=XPNPEP1 PE=1 SV=3	0.029418	-1.176	Yes
RS28_HUMAN	40S ribosomal protein S28 OS=Homo sapiens GN=RPS28 PE=1 SV=1	0.004536	-1.18886	Yes
CALM1_HUMAN	Calmodulin-1 OS=Homo sapiens OX=9606 GN=CALM1 PE=1 SV=1	0.030934	-1.22252	Yes
ILF2_HUMAN	Interleukin enhancer-binding factor 2 OS=Homo sapiens GN=ILF2 PE=1 SV=2	0.044712	-1.29551	Yes
SERF2_HUMAN	Small EDRK-rich factor 2 OS=Homo sapiens GN=SERF2 PE=1 SV=1	0.017007	-1.30631	Yes
NUCB2_HUMAN	Nucleobindin-2 OS=Homo sapiens GN=NUCB2 PE=1 SV=2	0.036433	-1.32828	Yes
TOP1_HUMAN	DNA topoisomerase 1 OS=Homo sapiens GN=TOP1 PE=1 SV=2	0.017479	-1.38669	Yes
NUCB1_HUMAN	Nucleobindin-1 OS=Homo sapiens GN=NUCB1 PE=1 SV=4	0.015536	-1.4122	Yes
RALY_HUMAN	RNA-binding protein Raly OS=Homo sapiens GN=RALY PE=1 SV=1	0.033095	-1.45339	Yes
ODPB_HUMAN	Pyruvate dehydrogenase E1 component subunit beta, mitochondrial OS=Homo sapiens GN=PDHB PE=1 SV=3	0.003098	-1.51329	Yes
DENR_HUMAN	Density-regulated protein OS=Homo sapiens GN=DENR PE=1 SV=2	0.034756	-1.57545	Yes
RBM28_HUMAN	RNA-binding protein 28 OS=Homo sapiens GN=RBM28 PE=1 SV=3	0.02148	-1.60581	Yes
RBMX_HUMAN	RNA-binding motif protein, X chromosome OS=Homo sapiens GN=RBMX PE=1 SV=3	0.001063	-1.64263	Yes
RM16_HUMAN	39S ribosomal protein L16, mitochondrial OS=Homo sapiens OX=9606 GN=MRPL16 PE=1 SV=1	0.033157	-1.68577	Yes
SMAD2_HUMAN	Mothers against decapentaplegic homolog 2 OS=Homo sapiens GN=SMAD2 PE=1 SV=1	0.019166	-1.70475	Yes
AN32E_HUMAN	Acidic leucine-rich nuclear phosphoprotein 32 family member E OS=Homo sapiens GN=ANP32E PE=1 SV=1	0.033821	-1.8346	Yes
LEO1_HUMAN	RNA polymerase-associated protein LEO1 OS=Homo sapiens OX=9606 GN=LEO1 PE=1 SV=1	0.041305	-1.89831	Yes

CAD13_HUMAN	Cadherin-13 OS=Homo sapiens OX=9606 GN=CDH13 PE=1 SV=1	0.030347	-2.11156	Yes
BTF3_HUMAN	Transcription factor BTF3 OS=Homo sapiens GN=BTF3 PE=1 SV=1	0.00404	-2.12886	Yes
RL27_HUMAN	60S ribosomal protein L27 OS=Homo sapiens GN=RPL27 PE=1 SV=2	0.000658	-2.21173	Yes
SURF6_HUMAN	Surfeit locus protein 6 OS=Homo sapiens OX=9606 GN=SURF6 PE=1 SV=3	0.007573	-2.26209	Yes
TRA2A_HUMAN	Transformer-2 protein homolog alpha OS=Homo sapiens OX=9606 GN=TRA2A PE=1 SV=1	0.038378	-2.27895	Yes
CTBL1_HUMAN	Beta-catenin-like protein 1 OS=Homo sapiens OX=9606 GN=CTNNBL1 PE=1 SV=1	0.019881	-2.33016	Yes
CE024_HUMAN	UPF0461 protein C5orf24 OS=Homo sapiens OX=9606 GN=C5orf24 PE=1 SV=1	0.037417	-2.43555	Yes
TGFB1_HUMAN	Transforming growth factor beta-1 proprotein OS=Homo sapiens OX=9606 GN=TGFB1 PE=1 SV=2	0.035173	-2.51089	Yes
H2A1B_HUMAN	Histone H2A type 1-B/E OS=Homo sapiens GN=HIST1H2AB PE=1 SV=2	0.047074	-2.53512	Yes
MYH11_HUMAN	Myosin-11 OS=Homo sapiens GN=MYH11 PE=1 SV=3	0.00049	-2.57962	Yes
CXCR4_HUMAN	C-X-C chemokine receptor type 4 OS=Homo sapiens OX=9606 GN=CXCR4 PE=1 SV=1	0.004005	-2.71287	Yes
SMHD1_HUMAN	Structural maintenance of chromosomes flexible hinge domain-containing protein 1 OS=Homo sapiens GN=SMCHD1 PE=1 SV=2	0.015009	-2.81817	Yes
CATZ_HUMAN	Cathepsin Z OS=Homo sapiens GN=CTSZ PE=1 SV=1	0.035948	-2.89048	Yes
KDM5D_HUMAN	Lysine-specific demethylase 5D OS=Homo sapiens OX=9606 GN=KDM5D PE=1 SV=2	0.024242	-3.286	Yes
HSDL2_HUMAN	Hydroxysteroid dehydrogenase-like protein 2 OS=Homo sapiens OX=9606 GN=HSDL2 PE=1 SV=1	0.039538	-3.50625	Yes
ODP2_HUMAN	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial OS=Homo sapiens GN=DLAT PE=1 SV=3	0.001092	-3.80845	Yes
MAST1_HUMAN	Microtubule-associated serine/threonine-protein kinase 1 OS=Homo sapiens OX=9606 GN=MAST1 PE=1 SV=2	0.003993	-4.01896	Yes
CLPX_HUMAN	ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial OS=Homo sapiens GN=CLPX PE=1 SV=2	0.024369	-4.30114	Yes

GBB1_ HUMA N	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1 OS=Homo sapiens OX=9606 GN=GNB1 PE=1 SV=3	0.03 172 9	- 4.64 567	Yes
BRX1_ HUMA N	Ribosome biogenesis protein BRX1 homolog OS=Homo sapiens GN=BRX1 PE=1 SV=2	0.03 55	- 6.25 55	Yes

Table S4. Full list of genes and accession codes for targets in siRNA subscreen

LP_59984

G-CUSTOM-429983

Plate	Well	Pool Catalog Number	Duplicate Catalog Number	Gene Symbol	GENE ID	Gene Accession	GI Number	Sequence
Plate 1	A01	E-010347-00	A-010347-14	DIAPH1	1729	NM_001079812	119395759	GUGUUGGAUUCAAAGACAG
Plate 1	A01	E-010347-00	A-010347-15	DIAPH1	1729	NM_001079812	119395759	UGGUUAUUUAUUAAUAGUG
Plate 1	A01	E-010347-00	A-010347-16	DIAPH1	1729	NM_001079812	119395759	GCUUUUGGCUUCAUAUCA
Plate 1	A01	E-010347-00	A-010347-17	DIAPH1	1729	NM_001079812	119395759	GCAUGGAGAUGGAUGACUU
Plate 1	A02	E-012029-00	A-012029-13	DIAPH2	1730	NM_007309	115527114	UUAUGAGCUUGAUUUUCGA
Plate 1	A02	E-012029-00	A-012029-14	DIAPH2	1730	NM_007309	115527114	CUACCAUCUUCUAUAUAAU
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Plate 1	A02	E-012029-00	A-012029-16	DIAPH2	1730	NM_007309	115527114	CGAUUUAAUCUCAUCUGAUA
Plate 1	A03	E-018997-00	A-018997-13	DIAPH3	81624	NM_030932	110225345	CUACAAGCUUUUAAGUCUC
Plate 1	A03	E-018997-00	A-018997-14	DIAPH3	81624	NM_030932	110225345	GGAUUUGCUUUGUAAACUU

Plate 1	A03	E-01899 7-00	A-01899 7-15	DIAPH3	81624	NM_030932	1102253 45	GCGUUUAAUAGAAAU GAAG
Plate 1	A03	E-01899 7-00	A-01899 7-16	DIAPH3	81624	NM_030932	1102253 45	CUGAUUACUGAAUU UUGU
Plate 1	A04	E-01292 5-00	A-01292 5-13	DAAM1	23002	NM_014992	2107107 6	CUACUAGAUAGAAUU AUAC
Plate 1	A04	E-01292 5-00	A-01292 5-14	DAAM1	23002	NM_014992	2107107 6	CUAUGAAUUUCUGAU GUUA
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Plate 1	A05	E-01401 0-00	A-01401 0-13	DAAM2	23500	NM_015345	4054841 4	CCCAGAUGUUUGAGU UGAU
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Plate 1	A05	E-01401 0-00	A-01401 0-16	DAAM2	23500	NM_015345	4054841 4	CUGCCACCUUUAGUA AGU
Plate 1	A06	E-01917 6-00	A-01917 6-13	FMNL1	752	NM_005892	3335614 7	CUGUGAUCAGGAGCG GUUU
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Plate 1	A06	E-019176-00	A-019176-15	FMNL1	752	NM_005892	33356147	CGUCCACGUCUGUAUUAUG
Plate 1	A06	E-019176-00	A-019176-16	FMNL1	752	NM_005892	33356147	GGUAGCAGCUGAUUGGAUG
Plate 1	A07	E-031993-00	A-031993-13	FMNL2	114793	NM_052905	94421465	CCAUCGUGCUGAAUGCUAU
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Plate 1	A09	E-013709-00	A-013709-15	FHOD1	29109	NM_013241	118572598	GCAAUAGGUCCAUGC CUU
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Plate 1	A10	E-023411-00	A-023411-15	FHOD3	80206	NM_025135	58331241	CCCUGGUAAUUUAUU GGUU
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Plate 1	A11	E-029054-00	A-029054-17	GRID2IP	392862	NM_001145118	223278402	CCCUCAUCGUUGACGU CUA
Plate 1	A11	E-029054-00	A-029054-18	GRID2IP	392862	NM_001145118	223278402	CUAGCGAGGACAAGU UUGC
Plate 1	A11	E-029054-00	A-029054-19	GRID2IP	392862	NM_001145118	223278402	GGAUGAUCUGGUGUG GACU
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Plate 1	A12	E-030385-00	A-030385-09	FMN1	342184	XM_943337	113425565	GGAUUAAUCUGGUGG ACUA
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Plate 1	B0 1	E- 02213 4-00	A- 02213 4-13	FMN2	56776	NM_020066	7413655 3	GUUGGAAUACUAAUG UCUA
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Plate 1	B0 3	E- 03486 9-00	A- 03486 9-13	LMOD2	442721	XM_499467	1134197 72	CUCUAAGCCAAAGAU UUU
Plate 1	B0 3	E- 03486 9-00	A- 03486 9-14	LMOD2	442721	XM_499467	1134197 72	GCUUUGGACAAGAUU AAAA

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Plate 1	B03	E-034869-00	A-034869-16	LMOD2	442721	XM_499467	113419772	GGACUCAGUAAAUAUGAAU
Plate 1	B04	E-023261-00	A-023261-13	LMOD3	56203	NM_198271	54607115	CCUUGGUGUUUUGGAGUAU
Plate 1	B04	E-023261-00	A-023261-14	LMOD3	56203	NM_198271	54607115	UCUUGUUGAUUAUAUGUAU
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Plate 1	B04	E-023261-00	A-023261-16	LMOD3	56203	NM_198271	54607115	UUAGUAUGUACAAAAUAU
Plate 1	B05	E-020477-00	A-020477-13	COBLL1	22837	NM_014900	62821786	UCAGAAACCAUAGAGUAUA
Plate 1	B05	E-020477-00	A-020477-14	COBLL1	22837	NM_014900	62821786	GUAACAGUUUUGAUGGGAA
Plate 1	B05	E-020477-00	A-020477-15	COBLL1	22837	NM_014900	62821786	CACUCAUGCUUAAGUUCAC
Plate 1	B05	E-020477-00	A-020477-16	COBLL1	22837	NM_014900	62821786	GUAUAAGAUUCAUAGACUU
Plate 1	B06	E-012003-00	A-012003-15	PFN1	5216	NM_005022	16753213	UUAGCAUGGAUCUUCGUAC
Plate 1	B06	E-012003-00	A-012003-16	PFN1	5216	NM_005022	16753213	CCAGAAAUGUUCGGUGAUC

Plate 1	B06	E-012003-00	A-012003-17	PFN1	5216	NM_005022	16753213	GUGGUUGAUCAACAAGAA
Plate 1	B06	E-012003-00	A-012003-18	PFN1	5216	NM_005022	16753213	CGUGUGUGGUUGGAAACU
Plate 1	B07	E-011750-00	A-011750-13	PFN2	5217	NM_002628	94538347	CCAAUAGAAAUAGAUAGA
Plate 1	B07	E-011750-00	A-011750-14	PFN2	5217	NM_002628	94538347	GUAUUUGCUUCUAUUGUU
Plate 1	B07	E-011750-00	A-011750-15	PFN2	5217	NM_002628	94538347	GGAUAAUGUACAGAUUAA
Plate 1	B07	E-011750-00	A-011750-16	PFN2	5217	NM_002628	94538347	CCUUUAUUCAUAGUGUCUA
Plate 1	B08	E-008395-00	A-008395-19	RHOB	388	NM_004040	42716309	CUAGAAGUGAAAAUUGUUC
Plate 1	B08	E-008395-00	A-008395-20	RHOB	388	NM_004040	42716309	GUAAAAUUAUAAAAGACUA
Plate 1	B08	E-008395-00	A-008395-21	RHOB	388	NM_004040	42716309	UGAUGUUAUUUGAUUUAUU
Plate 1	B08	E-008395-00	A-008395-22	RHOB	388	NM_004040	42716309	UGGUGAGCUUAUGAUGUU
Plate 1	B09	E-008555-00	A-008555-13	RHOC	389	NM_001042679	111494250	GUCUUUGAGAACUAUAUUG
Plate 1	B09	E-008555-00	A-008555-14	RHOC	389	NM_001042679	111494250	CAGGGGUACAGAAAUUAUC

Plate 1	B09	E-008555-00	A-008555-15	RHOC	389	NM_001042679	111494250	CCUUUGGCUACCUUGAGUG
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Plate 1	B10	E-013443-00	A-013443-13	SEPT1	1731	NM_052838	22209006	GGUUUUGACUUCACGCUAA
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Plate 1	B10	E-013443-00	A-013443-15	SEPT1	1731	NM_052838	22209006	UCAUCGAGGAGCAAUUUGA
Plate 1	B10	E-013443-00	A-013443-16	SEPT1	1731	NM_052838	22209006	GCGUAGAGAUUGAGGAAGG
Plate 1	B11	E-017317-00	A-017317-13	SEPT3	55964	NM_145733	22035571	GUUGCAUCCUCCAUUUAUC
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Plate 1	B11	E-017317-00	A-017317-15	SEPT3	55964	NM_145733	22035571	CCAUGAAGACCGGUUUCGA
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Plate 1	B12	E-011886-00	A-011886-15	SEPT4	5414	NM_080416	17986246	GUUUGAGCAGUAUUU CCGA
Plate 1	B12	E-011886-00	A-011886-16	SEPT4	5414	NM_080416	17986246	GCUUGAUCCCUAUGAU UCC
Plate 1	C01	E-013234-00	A-013234-13	SEPT5	5413	NM_002688	90193629	UUAUCAGGAUGAAGG AUGA
Plate 1	C01	E-013234-00	A-013234-14	SEPT5	5413	NM_002688	90193629	CCGUUUUCUCCGUUG UGA
Plate 1	C01	E-013234-00	A-013234-15	SEPT5	5413	NM_002688	90193629	CAGCUGACCCUAAUUU AUU
Plate 1	C01	E-013234-00	A-013234-16	SEPT5	5413	NM_002688	90193629	UCAUUGUGUCUGUUU CCGA
Plate 1	C02	E-019260-00	A-019260-13	SEPT6	23157	NM_145802	33624820	GCUGUAAGCUGGAGG AGAU
Plate 1	C02	E-019260-00	A-019260-14	SEPT6	23157	NM_145802	33624820	CUAAAGCUCACGAUCG UUA
Plate 1	C02	E-019260-00	A-019260-15	SEPT6	23157	NM_145802	33624820	UCGUGGAAUUCAUCG AUGC
Plate 1	C02	E-019260-00	A-019260-16	SEPT6	23157	NM_145802	33624820	UGUGCAGGUUGAAAA CGAG
Plate 1	C03	E-011607-00	A-011607-13	SEPT7	989	NM_001011553	58535460	GUAGGAACCAACAAG GAAA
Plate 1	C03	E-011607-00	A-011607-14	SEPT7	989	NM_001011553	58535460	CUAUUGACCACCAGUU AAC

Plate 1	C03	E-011607-00	A-011607-15	SEPT7	989	NM_001011553	58535460	CUAGGGUGUUCUGUACUUA
Plate 1	C03	E-011607-00	A-011607-16	SEPT7	989	NM_001011553	58535460	GCUGUAUUCAUUAUUAUGCA
Plate 1	C04	E-010647-00	A-010647-15	SEPT8	23176	NM_001098811	149363688	UCAAUAAGGAUGAGAGUUA
Plate 1	C04	E-010647-00	A-010647-16	SEPT8	23176	NM_001098811	149363688	UGCGCAGUUUGAAAAUUUAU
Plate 1	C04	E-010647-00	A-010647-17	SEPT8	23176	NM_001098811	149363688	UCCACAAGUUCAAGAUCAA
Plate 1	C04	E-010647-00	A-010647-18	SEPT8	23176	NM_001098811	149363688	GGCUGUUGCAGAGAUUAAC
Plate 1	C05	E-017363-00	A-017363-13	SEPT10	151011	NM_178584	30795192	GCAUUUAACCAAAGAGCGA
Plate 1	C05	E-017363-00	A-017363-14	SEPT10	151011	NM_178584	30795192	CUUUUGUGUCAGAUUAUUU
Plate 1	C05	E-017363-00	A-017363-15	SEPT10	151011	NM_178584	30795192	CGUUCAUUUAAUUUAUGUAU
Plate 1	C05	E-017363-00	A-017363-16	SEPT10	151011	NM_178584	30795192	GAAUGAUACUACAAGUUGA
Plate 1	C06	E-020249-00	A-020249-13	SEPT11	55752	NM_018243	38605734	GUCUACUUCUCAAGGAUUC
Plate 1	C06	E-020249-00	A-020249-14	SEPT11	55752	NM_018243	38605734	CCCUCAAUUCUAAUUGGAU

Plate 1	C06	E-02024 9-00	A-02024 9-15	SEPT11	55752	NM_018243	3860573 4	GGUUAGAGAUUAAGU AAAU
Plate 1	C06	E-02024 9-00	A-02024 9-16	SEPT11	55752	NM_018243	3860573 4	GCAGAAUUGUCAUAU AUGU
Plate 1	C07	E-01622 7-00	A-01622 7-13	SEPT12	124404	NM_144605	1423655 11	CCCAGAUGUGCUUUGA CGA
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Plate 1	C08	E-03204 7-00	A-03204 7-13	SEPT14	346288	NM_207366	4640936 3	GGGGUAUAUGCCAAA GUUA
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Plate 1	C08	E-03204 7-00	A-03204 7-16	SEPT14	346288	NM_207366	4640936 3	CUUUUAUCUUUAGUU GAUU
Plate 1	C09	E-01221 5-00	A-01221 5-13	CDC42E P2	10435	NM_006779	3008996 3	CCAUCGCUUCCUCUG AUA
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Plate 1	C09	E-012215-00	A-012215-15	CDC42E P2	10435	NM_006779	30089963	CACCCAAGAAUAAAAGAAU
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Plate 1	C10	E-017358-00	A-017358-13	CDC42E P3	10602	NM_006449	30089964	CAUUUGAACUUUAUGGGUU
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Plate 1	C10	E-017358-00	A-017358-15	CDC42E P3	10602	NM_006449	30089964	CCAGUGACAUUUAUUCCA
Plate 1	C10	E-017358-00	A-017358-16	CDC42E P3	10602	NM_006449	30089964	GCAGAGUCUACAUUUUAUA
Plate 1	C11	E-013494-00	A-013494-13	CDC42E P4	23580	NM_012121	48375181	GGCCAGUGCAGAAUAUUUU
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Plate 1	C11	E-013494-00	A-013494-16	CDC42E P4	23580	NM_012121	48375181	UCUUUAUUUAUUGUGUUUAA
Plate 1	C12	E-017551-00	A-017551-13	CDC42E P1	11135	NM_007061	34452716	GUGUCCAGUUCACAGGGAA
Plate 1	C12	E-017551-00	A-017551-14	CDC42E P1	11135	NM_007061	34452716	UGAUGAGGUCAAGGUGUGA

Plate 1	C1 2	E- 01755 1-00	A- 01755 1-15	CDC42E P1	11135	NM_007061	3445271 6	GCUCUGACUCUCUCUU GUC
Plate 1	C1 2	E- 01755 1-00	A- 01755 1-16	CDC42E P1	11135	NM_007061	3445271 6	CUCUGGACC UAAUAGC UGU
Plate 1	D0 1	E- 01499 3-00	A- 01499 3-13	LRCH3	84859	NM_032773	3972565 9	CCUACAAGCUCUAACA UUC
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Plate 1	D0 2	E- 03172 5-00	A- 03172 5-13	DOCK7	85440	NM_033407	5411242 8	GCAUCAAUUAUAAA CGAC
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Plate 1	D0 3	E- 01270 7-00	A- 01270 7-13	CFL1	1072	NM_005507	4947282 3	GGAUCAAGCAUGAAU UGCA
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Plate 1	D03	E-012707-00	A-012707-15	CFL1	1072	NM_005507	49472823	CUUCUAACCGCAAUAGUGA
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Plate 1	D04	E-019078-00	A-019078-13	CFL2	1073	NM_138638	33946277	CUGUGAUACUUUGAUUUGC
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Plate 1	D04	E-019078-00	A-019078-16	CFL2	1073	NM_138638	33946277	CCAUUAGACUGUUGAUAC
Plate 1	D05	E-007775-00	A-007775-14	GSN	2934	NM_198252	89276752	GUUUUGUGAUCGAAGAGGU
Plate 1	D05	E-007775-00	A-007775-15	GSN	2934	NM_198252	89276752	GUUCCAACAGCAAUCGGUA
Plate 1	D05	E-007775-00	A-007775-16	GSN	2934	NM_198252	89276752	GCCUGCUCCAACAAGAUUG
Plate 1	D05	E-007775-00	A-007775-17	GSN	2934	NM_198252	89276752	CCAACCUUUAUGGAGACUU
Plate 1	D06	E-003536-00	A-003536-14	ROCK1	6093	NM_005406	112382209	GUAUUGGACAUAGAUAAAC
Plate 1	D06	E-003536-00	A-003536-15	ROCK1	6093	NM_005406	112382209	CUCGGAUUCUACAAGUGUU

Plate 1	D06	E-003536-00	A-003536-16	ROCK1	6093	NM_005406	112382209	CUAGUAAUUUGAUGACUU
Plate 1	D06	E-003536-00	A-003536-17	ROCK1	6093	NM_005406	112382209	CUACAAACUAAAUCAUUA
Plate 1	D07	E-004610-00	A-004610-14	ROCK2	9475	NM_004850	41872582	CUUUCAAGAUGAUAGGUAU
Plate 1	D07	E-004610-00	A-004610-15	ROCK2	9475	NM_004850	41872582	CUUGUAAACCUUAUGAGUA
Plate 1	D07	E-004610-00	A-004610-16	ROCK2	9475	NM_004850	41872582	UCCUAAUGCUUCAUGAUG
Plate 1	D07	E-004610-00	A-004610-17	ROCK2	9475	NM_004850	41872582	CAGUCAUUAUUCAAGGUGA
Plate 1	D08	E-012076-00	A-012076-13	ACTR2	10097	NM_005722	53692185	GUAUCAUUCUUGCAAUUA
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Plate 1	D08	E-012076-00	A-012076-15	ACTR2	10097	NM_005722	53692185	CCUUGAAUGUAGAAUUUGU
Plate 1	D08	E-012076-00	A-012076-16	ACTR2	10097	NM_005722	53692185	UCCAGAAGCAUUAAGGUAA
Plate 1	D09	E-012077-00	A-012077-14	ACTR3	10096	NM_005721	34452698	GCGAU AUGCAGUUUGGUUU
Plate 1	D09	E-012077-00	A-012077-15	ACTR3	10096	NM_005721	34452698	GACUGAACCUCCAUGAAU

Plate 1	D09	E-012077-00	A-012077-16	ACTR3	10096	NM_005721	34452698	CUAUCGAUGUUGGUU AUGA
Plate 1	D09	E-012077-00	A-012077-17	ACTR3	10096	NM_005721	34452698	GGGUCAAAAUGGAUU AAAC
Plate 1	D10	E-012082-00	A-012082-14	ARPC1B	10095	NM_005720	22907055	GUGUGAUCUCCAUCUG UUA
Plate 1	D10	E-012082-00	A-012082-15	ARPC1B	10095	NM_005720	22907055	UUGCUUUGCUGAAUG UUUC
Plate 1	D10	E-012082-00	A-012082-16	ARPC1B	10095	NM_005720	22907055	GUCGGAUCUUUCAGC CUA
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Plate 1	D11	E-012263-00	A-012263-15	ARPC1A	10552	NM_006409	22907051	GACUCAUUUCUGUUU GUUA
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Plate 1	D12	E-012081-00	A-012081-14	ARPC2	10109	NM_005731	23238209	CCGCUAAUCUUGGGAA UAA

Plate 1	D12	E-012081-00	A-012081-15	ARPC2	10109	NM_005731	23238209	GUAAUGAGUUGCAGG AUAA
Plate 1	D12	E-012081-00	A-012081-16	ARPC2	10109	NM_005731	23238209	GCAUCAAGCUGGCAUG UUG
Plate 1	E01	E-005284-00	A-005284-13	ARPC3	10094	NM_005719	23397667	CUUUUGCCUUUAUUUC GUA
Plate 1	E01	E-005284-00	A-005284-14	ARPC3	10094	NM_005719	23397667	CUAUGAAAUAAGAA UGAA
Plate 1	E01	E-005284-00	A-005284-15	ARPC3	10094	NM_005719	23397667	GUUUUAUACAGAAGA GAGA
Plate 1	E01	E-005284-00	A-005284-16	ARPC3	10094	NM_005719	23397667	GUUUUCCACUUAACGC AAU
Plate 1	E02	E-008571-00	A-008571-13	ARPC4	10093	NM_001024960	68161510	UGAUUAUACGUUAUU GGUU
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Plate 1	E02	E-008571-00	A-008571-15	ARPC4	10093	NM_001024960	68161510	GUAGGAUACUGUAAC CUUU
Plate 1	E02	E-008571-00	A-008571-16	ARPC4	10093	NM_001024960	68161510	GUUUCAGACUCCAGUU UCU
Plate 1	E03	E-012080-00	A-012080-13	ARPC5	10092	NM_005717	23238212	GGAGUAGGGUCCA GUUC
Plate 1	E03	E-012080-00	A-012080-14	ARPC5	10092	NM_005717	23238212	CCAUA AAAUAUCAGA GCUU

Plate 1	E03	E-012080-00	A-012080-15	ARPC5	10092	NM_005717	23238212	GCCUUAGACAUUAUGAGGU
Plate 1	E03	E-012080-00	A-012080-16	ARPC5	10092	NM_005717	23238212	GCAUUGUCUUGAAGGUGCU
Plate 1	E04	E-014690-00	A-014690-13	ARPC5L	81873	NM_030978	13569955	GGACUAGGCUCCAUAUAA
Plate 1	E04	E-014690-00	A-014690-14	ARPC5L	81873	NM_030978	13569955	GCGUUGACUUGUUA AUGAA
Plate 1	E04	E-014690-00	A-014690-15	ARPC5L	81873	NM_030978	13569955	CUCUUGGCUUAUUAGUCUA
Plate 1	E04	E-014690-00	A-014690-16	ARPC5L	81873	NM_030978	13569955	CUCUUGGGCUCAUUGUAAA
Plate 1	E05	E-190043-00	A-190043-09	WASH1	100287171	NM_182905	261337182	CUGUGUUCUUAAGAGGCUU
Plate 1	E05	E-190043-00	A-190043-10	WASH1	100287171	NM_182905	261337182	CCUACAAGAUGGGGUACUA
Plate 1	E05	E-190043-00	A-190043-11	WASH1	100287171	NM_182905	261337182	ACCUCAUGUACAGUGCCGA
Plate 1	E05	E-190043-00	A-190043-12	WASH1	100287171	NM_182905	261337182	GGCACACCAAUCAUA AAG
Plate 1	E06	E-026372-00	A-026372-09	FAM21B	55747	XM_290482	113421477	GCAUUCUGAUUUUAUUUCU
Plate 1	E06	E-026372-00	A-026372-10	FAM21B	55747	XM_290482	113421477	GGCUUAUUUUCAGAU GAGG

Plate 1	E06	E-026372-00	A-026372-11	FAM21B	55747	XM_290482	113421477	UUCUUAGCUUGUUUGAUGA
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Plate 1	E07	E-029678-00	A-029678-13	FAM21C	253725	NM_015262	59814410	GCAUUCUGAUUUUAUUUCU
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Plate 1	E08	E-020900-00	A-020900-16	CCDC53	51019	NM_016053	134254436	CAGUAUCUCAAAAUGGUU
Plate 1	E09	E-026919-00	A-026919-13	KIAA1033	23325	NM_015275	40018628	CUUGUAUGCAUAUAGUAUU
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Plate 1	E09	E-026919-00	A-026919-15	KIAA1033	23325	NM_015275	40018628	CCAGAUUGAUUAAAGAUAU
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Plate 1	F06	E-019547-00	A-019547-15	NCK2	8440	NM_001004722	52630426	GUUUAAAUAUAACGUCUUG
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Plate 1	F11	E-005163-01	A-005163-17	PXN	5829	NM_002859	344217708	UCUUUGUUCUGUGAUUAUU
Plate 1	F12	E-012382-00	A-012382-13	UTRN	7402	NM_007124	110611227	GGAUGAUGUUGAAUUAUCG
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Plate 1	G03	E-02017 5-00	A-02017 5-13	FLNB	2317	NM_001457	1059905 13	CGUUCACAGUCAAUA UGU
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Plate 1	G03	E-020175-00	A-020175-15	FLNB	2317	NM_001457	105990513	GCCUGAGCCCAAUGUGUA
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Plate 1	G06	E-020718-00	A-020718-15	FNBP1L	54874	NM_017737	68348707	GGUGCAUCUCAAUUUUAU
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Plate 1	G08	E-003521-00	A-003521-19	PAK1	5058	NM_002576	42794768	GGUUUAUGAUUAAGGGUUU
Plate 1	G08	E-003521-00	A-003521-20	PAK1	5058	NM_002576	42794768	CUUGGAUCUUCUAAUUGGUC
Plate 1	G09	E-003597-00	A-003597-18	PAK2	5062	NM_002577	45827795	GGAUCAUACGAAAUCAAUU
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Plate 1	G09	E-003597-00	A-003597-20	PAK2	5062	NM_002577	45827795	CUGUUAAGCUCACUGACUU
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Plate 1	G12	E-003973-00	A-003973-22	PAK7	57144	NM_177990	29826328	GUAUCGUGCUGGAAGUCUG

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Plate 1	H02	E-005265-00	A-005265-20	ACTG1	71	NM_001614	11038618	GGGUUAAUUGAGAAUAGAA
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Plate 1	H06	E-016269-00	A-016269-15	OPTN	10133	NM_021980	56550112	GCCUUGUUUGUAAGUCUA
Plate 1	H06	E-016269-00	A-016269-16	OPTN	10133	NM_021980	56550112	CCUUCAUGCUUUCAUUGUA
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Plate 1	H07	E-014361-00	A-014361-15	CORO7	79585	NM_024535	88702974	CCAGCUGCUCCUAUAUGAA
Plate 1	H07	E-014361-00	A-014361-16	CORO7	79585	NM_024535	88702974	UCCUGGAUCAGUGACAUUC
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Plate 1	H08	E-017739-00	A-017739-14	HCLS1	3059	NM_005335	37059786	CGUCUAGAUUGUGUGUGUU
Plate 1	H08	E-017739-00	A-017739-15	HCLS1	3059	NM_005335	37059786	CAGUCGGCUUUGAUUAUAA
Plate 1	H08	E-017739-00	A-017739-16	HCLS1	3059	NM_005335	37059786	CUGUGGCUCUAUAUGAUUA
Plate 1	H09	E-024692-00	A-024692-13	SHROOM4	57477	NM_020717	118600966	GAUGUAGGUUCAUAUAUG
Plate 1	H09	E-024692-00	A-024692-14	SHROOM4	57477	NM_020717	118600966	GAUGGAAGUCUAAAGAUUC

Plate 1	H09	E-02469 2-00	A-02469 2-15	SHROOM4	57477	NM_020717	1186009 66	CCAAGGCGUUGAAUUGUUC
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Plate 1	H10	E-00938 0-00	A-00938 0-13	OSBPL3	26031	NM_145322	2173558 3	GCUGAGUCUAGAAAUUUUG
Plate 1	H10	E-00938 0-00	A-00938 0-14	OSBPL3	26031	NM_145322	2173558 3	CCCUUAUGCUUUUUUUG
Plate 1	H10	E-00938 0-00	A-00938 0-15	OSBPL3	26031	NM_145322	2173558 3	CUAUGGAAUAUCAAGUAUA
Plate 1	H10	E-00938 0-00	A-00938 0-16	OSBPL3	26031	NM_145322	2173558 3	CCUUGAGUCAUAGGUUAUA
Plate 1	H11	E-00352 3-00	A-00352 3-24	PRKCA	5578	NM_002737	4715731 9	GCAUCAGCCUCUACCGAUU
Plate 1	H11	E-00352 3-00	A-00352 3-25	PRKCA	5578	NM_002737	4715731 9	GUAGGAAAAUUUAAGGAAC
Plate 1	H11	E-00352 3-00	A-00352 3-26	PRKCA	5578	NM_002737	4715731 9	GCGUCCUGUUGUAUGAAAU
Plate 1	H11	E-00352 3-00	A-00352 3-27	PRKCA	5578	NM_002737	4715731 9	GGAUCGAACAACAAGGAU
Plate 1	H12	D-00191 0-10	D-00191 0-01	Accell Non-targeting Control	0		0	UGGUUUACAUGUCGACUAA
Plate 1	H12	D-00191 0-10	D-00191 0-02	Accell Non-targeting Control	0		0	UGGUUUACAUGUUUCUGA

Plate 1	H1 2	D-00191 0-10	D-00191 0-03	Accell Non- targeting Control	0		0	UGGUUUACAUGUUUU CCUA
Plate 1	H1 2	D-00191 0-10	D-00191 0-04	Accell Non- targeting Control	0		0	UGGUUUACAUGUUGU GUGA