

Supplemental Table 7. Proteins that differ in level by 10 fold or more between adult reticulocytes and RBCs. See legend for Supplemental Table 4 for experimental details. Values show the ratio of protein levels between RBCs and reticulocytes in membrane (A) and cytosol (B) fraction.

Supplemental Table 7A

Accession	Description	Unique Peptides	Peptides	Adult RBC/retic
P51858	Hepatoma-derived growth factor OS=Homo sapiens GN=HDGF PE=1 SV=1 - [HDGF_HUMAN]	5	5	0.010
P18859	ATP synthase-coupling factor 6, mitochondrial OS=Homo sapiens GN=ATP5J PE=1 SV=1 - [ATP5J_HUMAN]	2	2	0.010
A8MZH8	Pituitary Tumor-Transforming 1 Interacting Protein OS=Homo sapiens GN=PTTG1IP PE=4 SV=1 - [A8MZH8_HUMAN]	2	2	0.010
P45880	Voltage-dependent anion-selective channel protein 2 OS=Homo sapiens GN=VDAC2 PE=1 SV=2 - [VDAC2_HUMAN]	11	12	0.014
Q17RZ5	Kinectin 1 (Kinesin receptor) OS=Homo sapiens GN=KTN1 PE=2 SV=1 - [Q17RZ5_HUMAN]	3	3	0.014
A8K6C4	Aminolevulinate, delta-, synthase 2 OS=Homo sapiens GN=ALAS2 PE=2 SV=1 - [A8K6C4_HUMAN]	3	3	0.014
P05141	ADP/ATP translocase 2 OS=Homo sapiens GN=SLC25A5 PE=1 SV=7 - [ADT2_HUMAN]	4	12	0.018
Q13765	Nascent polypeptide-associated complex subunit alpha OS=Homo sapiens GN=NACA PE=1 SV=1 - [NACA_HUMAN]	2	2	0.020
O75947	ATP synthase subunit d, mitochondrial OS=Homo sapiens GN=ATP5H PE=1 SV=3 - [ATP5H_HUMAN]	7	7	0.020
Q00325	Phosphate carrier protein, mitochondrial OS=Homo sapiens GN=SLC25A3 PE=1 SV=2 - [MPCP_HUMAN]	6	6	0.021
D6R967	Pyrophosphatase OS=Homo sapiens GN=PPA2 PE=4 SV=1 - [D6R967_HUMAN]	2	2	0.023
Q99536	Synaptic vesicle membrane protein VAT-1 homolog OS=Homo sapiens GN=VAT1 PE=1 SV=2 - [VAT1_HUMAN]	3	3	0.024
P78540	Arginase-2, mitochondrial OS=Homo sapiens GN=ARG2 PE=1 SV=1 - [ARGI2_HUMAN]	5	5	0.025
P21796	Voltage-dependent anion-selective channel protein 1 OS=Homo sapiens GN=VDAC1 PE=1 SV=2 - [VDAC1_HUMAN]	9	11	0.025
Q9Y6N5	Sulfide:quinone oxidoreductase, mitochondrial OS=Homo sapiens GN=SQRDL PE=1 SV=1 - [SQRD_HUMAN]	9	9	0.027
A8MZ71	Cytochrome C Oxidase Subunit VIIa Polypeptide 2 OS=Homo sapiens GN=COX7A2 PE=4 SV=1 - [A8MZ71_HUMAN]	2	2	0.027
Q16836	Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial OS=Homo sapiens GN=HADH PE=1 SV=3 - [HCDH_HUMAN]	6	6	0.028
B4E358	Cortactin OS=Homo sapiens GN=CTTN PE=2 SV=1 - [B4E358_HUMAN]	2	3	0.029
P26583	High mobility group protein B2 OS=Homo sapiens GN=HMGB2 PE=1 SV=2 - [HMGB2_HUMAN]	2	2	0.029
P31942	Heterogeneous nuclear ribonucleoprotein H3 OS=Homo sapiens GN=HNRNPH3 PE=1 SV=2 - [HNRH3_HUMAN]	2	2	0.029
P49458	Signal recognition particle 9 kDa protein OS=Homo sapiens GN=SRP9 PE=1 SV=2 - [SRP09_HUMAN]	2	2	0.029
P13010	X-ray repair cross-complementing protein 5 OS=Homo sapiens GN=XRCC5 PE=1 SV=3 - [XRCC5_HUMAN]	4	4	0.031
Q9Y277	Voltage-dependent anion-selective channel protein 3 OS=Homo sapiens GN=VDAC3 PE=1 SV=1 - [VDAC3_HUMAN]	13	15	0.032
P07919	Cytochrome b-c1 complex subunit 6, mitochondrial OS=Homo sapiens GN=UQCRH PE=1 SV=2 - [QCR6_HUMAN]	2	2	0.033
F5H897	TNF Receptor-Associated Protein 1 OS=Homo sapiens GN=TRAP1 PE=3 SV=1 - [F5H897_HUMAN]	5	6	0.034
Q9NVJ2	ADP-ribosylation factor-like protein 8B OS=Homo sapiens GN=ARL8B PE=1 SV=1 - [ARL8B_HUMAN]	4	4	0.034
F5GWQ7	TAF15 RNA Polymerase II, TATA Box Binding Protein (TBP)-Associated Factor, 68kDa OS=Homo sapiens GN=TAF15 PE=4 SV=1 - [F5GWQ7_HUMAN]	2	4	0.034
B8ZZL8	Heat shock 10kDa protein 1 (Chaperonin 10), isoform CRA_b OS=Homo sapiens GN=HSPE1 PE=3 SV=1 - [B8ZZL8_HUMAN]	8	8	0.037
P30049	ATP synthase subunit delta, mitochondrial OS=Homo sapiens GN=ATP5D PE=1 SV=2 - [ATPD_HUMAN]	2	2	0.037

P24534	Elongation factor 1-beta OS=Homo sapiens GN=EEF1B2 PE=1 SV=3 - [EF1B_HUMAN]	2	3	0.039
Q16822	Phosphoenolpyruvate carboxykinase [GTP], mitochondrial OS=Homo sapiens GN=PCK2 PE=1 SV=3 - [PCKGM_HUMAN]	4	4	0.039
Q00059	Transcription factor A, mitochondrial OS=Homo sapiens GN=TFAM PE=1 SV=1 - [TFAM_HUMAN]	5	5	0.039
P08574	Cytochrome c1, heme protein, mitochondrial OS=Homo sapiens GN=CYC1 PE=1 SV=3 - [CY1_HUMAN]	2	2	0.040
F5H6F4	Acyl-CoA Synthetase Short-Chain Family Member 1 OS=Homo sapiens GN=ACSS1 PE=4 SV=1 - [F5H6F4_HUMAN]	2	3	0.040
P02792	Ferritin light chain OS=Homo sapiens GN=FTL PE=1 SV=2 - [FRIL_HUMAN]	7	7	0.041
P46781	40S ribosomal protein S9 OS=Homo sapiens GN=RPS9 PE=1 SV=3 - [RS9_HUMAN]	9	9	0.041
P25705	ATP synthase subunit alpha, mitochondrial OS=Homo sapiens GN=ATP5A1 PE=1 SV=1 - [ATPA_HUMAN]	20	20	0.042
Q96199	Succinyl-CoA ligase [GDP-forming] subunit beta, mitochondrial OS=Homo sapiens GN=SUCLG2 PE=1 SV=2 - [SUCB2_HUMAN]	4	4	0.043
P40429	60S ribosomal protein L13a OS=Homo sapiens GN=RPL13A PE=1 SV=2 - [RL13A_HUMAN]	5	5	0.044
P62081	40S ribosomal protein S7 OS=Homo sapiens GN=RPS7 PE=1 SV=1 - [RS7_HUMAN]	3	3	0.044
C9JXB8	Ribosomal Protein L24 OS=Homo sapiens GN=RPL24 PE=4 SV=1 - [C9JXB8_HUMAN]	4	4	0.044
P39019	40S ribosomal protein S19 OS=Homo sapiens GN=RPS19 PE=1 SV=2 - [RS19_HUMAN]	8	8	0.045
C9JFR7	Cytochrome C, Somatic OS=Homo sapiens GN=CYCS PE=3 SV=1 - [C9JFR7_HUMAN]	6	6	0.045
Q92820	Gamma-glutamyl hydrolase OS=Homo sapiens GN=GGH PE=1 SV=2 - [GGH_HUMAN]	2	2	0.046
P62249	40S ribosomal protein S16 OS=Homo sapiens GN=RPS16 PE=1 SV=2 - [RS16_HUMAN]	6	6	0.050
Q9NX63	Coiled-coil-helix-coiled-coil-helix domain-containing protein 3 OS=Homo sapiens GN=CHCHD3 PE=1 SV=1 - [CHCH3_HUMAN]	8	8	0.050
D6RGI3	Septin 11, isoform CRA_b OS=Homo sapiens GN=SEPT11 PE=3 SV=1 - [D6RGI3_HUMAN]	3	5	0.050
P48047	ATP synthase subunit O, mitochondrial OS=Homo sapiens GN=ATP5O PE=1 SV=1 - [ATPO_HUMAN]	12	12	0.051
B8ZZI3	Prothymosin, Alpha OS=Homo sapiens GN=PTMA PE=4 SV=1 - [B8ZZI3_HUMAN]	2	2	0.051
E9PN17	ATP Synthase, H+ Transporting OS=Homo sapiens GN=ATP5L PE=4 SV=1 - [E9PN17_HUMAN]	4	5	0.052
Q9Y4W6	AFG3-like protein 2 OS=Homo sapiens GN=AFG3L2 PE=1 SV=2 - [AFG32_HUMAN]	5	5	0.052
B5MCX3	Septin 2 OS=Homo sapiens GN=SEPT2 PE=3 SV=1 - [B5MCX3_HUMAN]	5	5	0.053
P46779	60S ribosomal protein L28 OS=Homo sapiens GN=RPL28 PE=1 SV=3 - [RL28_HUMAN]	4	4	0.053
Q13131	5'-AMP-activated protein kinase catalytic subunit alpha-1 OS=Homo sapiens GN=PRKAA1 PE=1 SV=4 - [AAPK1_HUMAN]	2	2	0.053
P62753	40S ribosomal protein S6 OS=Homo sapiens GN=RPS6 PE=1 SV=1 - [RS6_HUMAN]	7	7	0.053
O15372	Eukaryotic translation initiation factor 3 subunit H OS=Homo sapiens GN=EIF3H PE=1 SV=1 - [EIF3H_HUMAN]	6	6	0.054
O60313	Dynamin-like 120 kDa protein, mitochondrial OS=Homo sapiens GN=OPA1 PE=1 SV=3 - [OPA1_HUMAN]	7	7	0.055
P10606	Cytochrome c oxidase subunit 5B, mitochondrial OS=Homo sapiens GN=COX5B PE=1 SV=2 - [COX5B_HUMAN]	4	4	0.055
B4DME8	DEAD (Asp-Glu-Ala-Asp) Box Helicase 1n OS=Homo sapiens GN=DDX1 PE=2 SV=1 - [B4DME8_HUMAN]	2	2	0.056
Q92947	Glutaryl-CoA dehydrogenase, mitochondrial OS=Homo sapiens GN=GCDH PE=1 SV=1 - [GCDH_HUMAN]	2	2	0.057
P46782	40S ribosomal protein S5 OS=Homo sapiens GN=RPS5 PE=1 SV=4 - [RS5_HUMAN]	4	4	0.058
B4DJ81	NADH Dehydrogenase (Ubiquinone) Fe-S Protein 1 OS=Homo sapiens GN=NDUFS1 PE=2 SV=1 - [B4DJ81_HUMAN]	2	2	0.058
B4E2Z3	Solute Carrier Family 3 (Amino Acid Transporter Heavy Chain), Member 2 OS=Homo sapiens GN=SLC3A2 PE=2 SV=1 - [B4E2Z3_HUMAN]	3	3	0.058
Q13011	Delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial OS=Homo sapiens GN=ECH1 PE=1 SV=2 - [ECH1_HUMAN]	9	9	0.060
A6NJH9	Eukaryotic Translation Initiation Factor 1A OS=Homo sapiens GN=EIF1AY	3	3	0.060

	PE=4 SV=1 - [A6NJH9_HUMAN]			
P20674	Cytochrome c oxidase subunit 5A, mitochondrial OS=Homo sapiens GN=COX5A PE=1 SV=2 - [COX5A_HUMAN]	3	3	0.061
P00505	Aspartate aminotransferase, mitochondrial OS=Homo sapiens GN=GOT2 PE=1 SV=3 - [AATM_HUMAN]	13	13	0.062
B7ZAM9	Eukaryotic Translation Initiation Factor 3, Subunit K OS=Homo sapiens GN=EIF3K PE=2 SV=1 - [B7ZAM9_HUMAN]	3	3	0.063
P62851	40S ribosomal protein S25 OS=Homo sapiens GN=RPS25 PE=1 SV=1 - [RS25_HUMAN]	2	2	0.063
P40926	Malate dehydrogenase, mitochondrial OS=Homo sapiens GN=MDH2 PE=1 SV=3 - [MDHM_HUMAN]	14	14	0.064
B4DR70	Fused In Sarcoma OS=Homo sapiens GN=FUS PE=2 SV=1 - [B4DR70_HUMAN]	3	5	0.064
P01023	Alpha-2-macroglobulin OS=Homo sapiens GN=A2M PE=1 SV=3 - [A2MG_HUMAN]	11	11	0.066
Q8NC51	Plasminogen activator inhibitor 1 RNA-binding protein OS=Homo sapiens GN=SERBP1 PE=1 SV=2 - [PAIRB_HUMAN]	10	10	0.068
P36957	Dihydrolypoyllysine-residue succinyltransferase OS=Homo sapiens GN=DLST PE=1 SV=4 - [ODO2_HUMAN]	10	10	0.068
P52272	Heterogeneous nuclear ribonucleoprotein M OS=Homo sapiens GN=HNRNPM PE=1 SV=3 - [HNRPM_HUMAN]	9	9	0.068
Q9Y5M8	Signal recognition particle receptor subunit beta OS=Homo sapiens GN=SRPRB PE=1 SV=3 - [SRPRB_HUMAN]	2	2	0.068
P60174	Triosephosphate isomerase OS=Homo sapiens GN=TPI1 PE=1 SV=2 - [TPIS_HUMAN]	8	8	0.069
F5H3C5	Superoxide Dismutase 2 OS=Homo sapiens GN=SOD2 PE=3 SV=1 - [F5H3C5_HUMAN]	4	4	0.069
C9JW96	prohibitin OS=Homo sapiens GN=PHB PE=4 SV=2 - [C9JW96_HUMAN]	12	12	0.070
P61353	60S ribosomal protein L27 OS=Homo sapiens GN=RPL27 PE=1 SV=2 - [RL27_HUMAN]	4	4	0.070
Q9BRP8	Partner of Y14 and mago OS=Homo sapiens GN=WIBG PE=1 SV=1 - [WIBG_HUMAN]	3	3	0.071
Q9Y262	Eukaryotic translation initiation factor 3 subunit L OS=Homo sapiens GN=EIF3L PE=1 SV=1 - [EIF3L_HUMAN]	5	6	0.072
Q9NZD4	Alpha-hemoglobin-stabilizing protein OS=Homo sapiens GN=AHSP PE=1 SV=1 - [AHSP_HUMAN]	3	3	0.073
B4DY76	Protoporphyrinogen Oxidase OS=Homo sapiens GN=PPOX PE=2 SV=1 - [B4DY76_HUMAN]	5	5	0.074
B4DVY1	Eukaryotic Translation Initiation Factor 3, Subunit D OS=Homo sapiens GN=EIF3D PE=2 SV=1 - [B4DVY1_HUMAN]	3	3	0.074
Q9BQE3	Tubulin alpha-1C chain OS=Homo sapiens GN=TUBA1C PE=1 SV=1 - [TBA1C_HUMAN]	4	13	0.074
Q9NYZ2	Mitoferrin-1 OS=Homo sapiens GN=SLC25A37 PE=1 SV=2 - [MFRN1_HUMAN]	3	4	0.075
E9PE82	Acyl-CoA Dehydrogenase, C-2 To C-3 Short Chain OS=Homo sapiens GN=ACADS PE=4 SV=1 - [E9PE82_HUMAN]	2	2	0.075
P07602	Proactivator polypeptide OS=Homo sapiens GN=PSAP PE=1 SV=2 - [SAP_HUMAN]	13	13	0.075
B4E1K7	Stomatin (EPB72)-Like 2 OS=Homo sapiens GN=STOML2 PE=2 SV=1 - [B4E1K7_HUMAN]	8	8	0.076
Q5JR95	Ribosomal protein S8 OS=Homo sapiens GN=RPS8 PE=4 SV=1 - [Q5JR95_HUMAN]	3	3	0.076
C9J406	Inner Membrane Protein, Mitochondrial OS=Homo sapiens GN=IMMT PE=4 SV=1 - [C9J406_HUMAN]	23	24	0.076
P37837	Transaldolase OS=Homo sapiens GN=TALDO1 PE=1 SV=2 - [TALDO_HUMAN]	7	7	0.076
Q8NG06	Tripartite motif-containing protein 58 OS=Homo sapiens GN=TRIM58 PE=2 SV=2 - [TRI58_HUMAN]	10	11	0.077
O95202	LETM1 and EF-hand domain-containing protein 1, mitochondrial OS=Homo sapiens GN=LETM1 PE=1 SV=1 - [LETM1_HUMAN]	4	4	0.077
P38117	Electron transfer flavoprotein subunit beta OS=Homo sapiens GN=ETFB PE=1 SV=3 - [ETFB_HUMAN]	9	9	0.077
A8MVQ3	CysteinyI-tRNA synthetase, isoform CRA_b OS=Homo sapiens GN=CARS PE=2 SV=1 - [A8MVQ3_HUMAN]	2	2	0.079
Q9ULV4	Coronin-1C OS=Homo sapiens GN=CORO1C PE=1 SV=1 - [COR1C_HUMAN]	14	14	0.080
O95831	Apoptosis-inducing factor 1, mitochondrial OS=Homo sapiens GN=AIFM1 PE=1 SV=1 - [AIFM1_HUMAN]	5	6	0.080
Q9H845	Acyl-CoA dehydrogenase family member 9, mitochondrial OS=Homo sapiens GN=ACAD9 PE=1 SV=1 - [ACAD9_HUMAN]	5	5	0.081

Q02978	Mitochondrial 2-oxoglutarate/malate carrier protein OS=Homo sapiens GN=SLC25A11 PE=1 SV=3 - [M2OM_HUMAN]	4	5	0.081
P04181	Ornithine aminotransferase, mitochondrial OS=Homo sapiens GN=OAT PE=1 SV=1 - [OAT_HUMAN]	10	10	0.081
E9PCK0	Hexokinase 1 OS=Homo sapiens GN=HK1 PE=3 SV=1 - [E9PCK0_HUMAN]	6	6	0.081
P42677	40S ribosomal protein S27 OS=Homo sapiens GN=RPS27 PE=1 SV=3 - [RS27_HUMAN]	2	2	0.082
P62829	60S ribosomal protein L23 OS=Homo sapiens GN=RPL23 PE=1 SV=1 - [RL23_HUMAN]	3	3	0.083
P42126	Enoyl-CoA delta isomerase 1, mitochondrial OS=Homo sapiens GN=ECI1 PE=1 SV=1 - [ECI1_HUMAN]	3	3	0.084
Q5STZ8	ATP-binding cassette sub-family F (GCN20) member 1 (Fragment) OS=Homo sapiens GN=ABCF1 PE=2 SV=2 - [Q5STZ8_HUMAN]	2	4	0.084
Q9UHV9	Prefoldin subunit 2 OS=Homo sapiens GN=PFDN2 PE=1 SV=1 - [PFD2_HUMAN]	2	2	0.084
Q99497	Protein DJ-1 OS=Homo sapiens GN=PARK7 PE=1 SV=2 - [PARK7_HUMAN]	3	3	0.086
O00483	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 4 OS=Homo sapiens GN=NDUFA4 PE=1 SV=1 - [NDUA4_HUMAN]	2	2	0.086
Q9H1E3	Nuclear ubiquitous casein and cyclin-dependent kinases substrate OS=Homo sapiens GN=NUCKS1 PE=1 SV=1 - [NUCKS_HUMAN]	2	2	0.086
B7Z4V2	Heat Shock 70kDa Protein 9 OS=Homo sapiens GN=HSPA9 PE=2 SV=1 - [B7Z4V2_HUMAN]	23	24	0.088
Q969J3	Loss of heterozygosity 12 chromosomal region 1 protein OS=Homo sapiens GN=LOH12CR1 PE=1 SV=1 - [L12R1_HUMAN]	2	2	0.088
Q96QK1	Vacuolar protein sorting-associated protein 35 OS=Homo sapiens GN=VPS35 PE=1 SV=2 - [VPS35_HUMAN]	6	6	0.089
F5H2W0	Macrophage Inhibitory Cytokine 1 OS=Homo sapiens GN=C18orf8 PE=4 SV=1 - [F5H2W0_HUMAN]	2	2	0.089
O60841	Eukaryotic translation initiation factor 5B OS=Homo sapiens GN=EIF5B PE=1 SV=4 - [IF2P_HUMAN]	2	3	0.090
Q92616	Translational activator GCN1 OS=Homo sapiens GN=GCN1L1 PE=1 SV=6 - [GCN1L_HUMAN]	2	2	0.090
Q9BWH2	FUN14 domain-containing protein 2 OS=Homo sapiens GN=FUNDC2 PE=1 SV=2 - [FUND2_HUMAN]	2	2	0.091
P63244	Guanine nucleotide-binding protein subunit beta-2-like 1 OS=Homo sapiens GN=GNB2L1 PE=1 SV=3 - [GBLP_HUMAN]	9	9	0.092
Q86SX6	Glutaredoxin-related protein 5, mitochondrial OS=Homo sapiens GN=GLRX5 PE=1 SV=2 - [GLRX5_HUMAN]	4	4	0.093
P02787	Serotransferrin OS=Homo sapiens GN=TF PE=1 SV=3 - [TRFE_HUMAN]	22	22	0.095
Q15365	Poly(rC)-binding protein 1 OS=Homo sapiens GN=PCBP1 PE=1 SV=2 - [PCBP1_HUMAN]	5	9	0.095
P15104	Glutamine synthetase OS=Homo sapiens GN=GLUL PE=1 SV=4 - [GLNA_HUMAN]	3	3	0.095
D2K8Q1	AAA domain containing 3A protein OS=Homo sapiens GN=ATAD3A PE=2 SV=1 - [D2K8Q1_HUMAN]	7	7	0.095
P15880	40S ribosomal protein S2 OS=Homo sapiens GN=RPS2 PE=1 SV=2 - [RS2_HUMAN]	7	7	0.096
C9K025	Ribosomal Protein L35a OS=Homo sapiens GN=RPL35A PE=4 SV=1 - [C9K025_HUMAN]	3	3	0.096
P68104	Elongation factor 1-alpha 1 OS=Homo sapiens GN=EEF1A1 PE=1 SV=1 - [EF1A1_HUMAN]	16	16	0.096
P07686	Beta-hexosaminidase subunit beta OS=Homo sapiens GN=HEXB PE=1 SV=3 - [HEXB_HUMAN]	6	6	0.097
Q9P2E9	Ribosome-binding protein 1 OS=Homo sapiens GN=RRBP1 PE=1 SV=4 - [RRBP1_HUMAN]	6	7	0.097
Q2L6I2	ABC50 protein OS=Homo sapiens GN=ABCF1 PE=2 SV=1 - [Q2L6I2_HUMAN]	2	4	0.098
Q12904	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 OS=Homo sapiens GN=AIMP1 PE=1 SV=2 - [AIMP1_HUMAN]	2	2	0.100
Q9H9B4	Sideroflexin-1 OS=Homo sapiens GN=SFXN1 PE=1 SV=4 - [SFXN1_HUMAN]	4	4	0.100
B8Q185	Glycophorin A MNS blood group OS=Homo sapiens GN=GYP A PE=4 SV=1 - [B8Q185_HUMAN]	3	3	10.251
Q00796	Sorbitol dehydrogenase OS=Homo sapiens GN=SORD PE=1 SV=4 - [DHSO_HUMAN]	12	12	12.996
P14091	Cathepsin E OS=Homo sapiens GN=CTSE PE=1 SV=2 - [CATE_HUMAN]	2	2	17.672

Supplemental Table 7B.

Accession	Description	Unique Peptides	Peptides	Adult RBC/retic
P62857	40S ribosomal protein S28 OS=Homo sapiens GN=RPS28 PE=1 SV=1 - [RS28_HUMAN]	2	2	0.013
B8ZZL8	Heat shock 10kDa protein 1, isoform CRA_b OS=Homo sapiens GN=HSPE1 PE=3 SV=1 - [B8ZZL8_HUMAN]	3	3	0.013
B8ZZQ6	Prothymosin, Alpha OS=Homo sapiens GN=PTMA PE=4 SV=1 - [B8ZZQ6_HUMAN]	4	4	0.015
E7ESM6	Tudor-SN OS=Homo sapiens GN=SND1 PE=4 SV=2 - [E7ESM6_HUMAN]	6	6	0.017
P35908	Keratin, type II cytoskeletal 2 epidermal OS=Homo sapiens GN=KRT2 PE=1 SV=2 - [K22E_HUMAN]	2	2	0.017
E7EP96	KH-Type Splicing Regulatory Protein OS=Homo sapiens GN=KHSRP PE=4 SV=1 - [E7EP96_HUMAN]	2	3	0.023
A8MW06	Thymosin beta-4-like protein 3 OS=Homo sapiens GN=TMSL3 PE=2 SV=1 - [TMSL3_HUMAN]	4	4	0.024
P68104	Elongation factor 1-alpha 1 OS=Homo sapiens GN=EEF1A1 PE=1 SV=1 - [EF1A1_HUMAN]	15	15	0.026
E9PGF9	Meningioma Expressed Antigen 5 OS=Homo sapiens GN=MGEA5 PE=4 SV=1 - [E9PGF9_HUMAN]	3	4	0.030
P49591	Seryl-tRNA synthetase, cytoplasmic OS=Homo sapiens GN=SARS PE=1 SV=3 - [SYSC_HUMAN]	6	6	0.030
P18621	60S ribosomal protein L17 OS=Homo sapiens GN=RPL17 PE=1 SV=3 - [RL17_HUMAN]	4	4	0.034
P49207	60S ribosomal protein L34 OS=Homo sapiens GN=RPL34 PE=1 SV=3 - [RL34_HUMAN]	2	2	0.034
Q15813	Tubulin-specific chaperone E OS=Homo sapiens GN=TBCE PE=1 SV=1 - [TBCE_HUMAN]	3	3	0.036
B3KX72	Heterogeneous Nuclear Ribonucleoprotein U OS=Homo sapiens GN=HNRNPU PE=2 SV=1 - [B3KX72_HUMAN]	3	3	0.036
P51858	Hepatoma-derived growth factor OS=Homo sapiens GN=HDGF PE=1 SV=1 - [HDGF_HUMAN]	8	8	0.036
P27797	Calreticulin OS=Homo sapiens GN=CALR PE=1 SV=1 - [CALR_HUMAN]	6	6	0.037
P20962	Parathymosin OS=Homo sapiens GN=PTMS PE=1 SV=2 - [PTMS_HUMAN]	3	3	0.037
P49588	Alanyl-tRNA synthetase, cytoplasmic OS=Homo sapiens GN=AARS PE=1 SV=2 - [SYAC_HUMAN]	23	23	0.038
Q13347	Eukaryotic translation initiation factor 3 subunit I OS=Homo sapiens GN=EIF3I PE=1 SV=1 - [EIF3I_HUMAN]	2	2	0.038
P60866	40S ribosomal protein S20 OS=Homo sapiens GN=RPS20 PE=1 SV=1 - [RS20_HUMAN]	2	2	0.038
Q7Z7N6	NUDT1 protein OS=Homo sapiens GN=NUDT1 PE=2 SV=2 - [Q7Z7N6_HUMAN]	2	2	0.040
E7EVE3	ankyrin1 OS=Homo sapiens GN=ANK1 PE=4 SV=1 - [E7EVE3_HUMAN]	10	10	0.041
Q9Y617	Phosphoserine aminotransferase OS=Homo sapiens GN=PSAT1 PE=1 SV=2 - [SERC_HUMAN]	11	12	0.041
P04264	Keratin, type II cytoskeletal 1 OS=Homo sapiens GN=KRT1 PE=1 SV=6 - [K2C1_HUMAN]	11	12	0.042
E9PS50	Ribosomal Protein S13 OS=Homo sapiens GN=RPS13 PE=4 SV=1 - [E9PS50_HUMAN]	3	3	0.042
D9YZV7	Tropomyosin 1 (Alpha) isoform 6 OS=Homo sapiens GN=TPM1 PE=3 SV=1 - [D9YZV7_HUMAN]	2	9	0.043
B4DS57	cDNA FLJ53176, highly similar to Nuclear autoantigenic sperm protein OS=Homo sapiens PE=2 SV=1 - [B4DS57_HUMAN]	5	6	0.043
P26373	60S ribosomal protein L13 OS=Homo sapiens GN=RPL13 PE=1 SV=4 - [RL13_HUMAN]	4	4	0.044
P35580	Myosin-10 OS=Homo sapiens GN=MYH10 PE=1 SV=3 - [MYH10_HUMAN]	22	36	0.044
P52272	Heterogeneous nuclear ribonucleoprotein M OS=Homo sapiens GN=HNRNPM PE=1 SV=3 - [HNRPM_HUMAN]	3	3	0.044
A6NJ11	Ubiquitin Fusion Degradation 1 Like OS=Homo sapiens GN=UFD1L PE=4 SV=1 - [A6NJ11_HUMAN]	2	3	0.045
C9JB13	BSD Domain Containing 1 OS=Homo sapiens GN=BSDC1 PE=4 SV=1 - [C9JB13_HUMAN]	3	3	0.046
P23396	40S ribosomal protein S3 OS=Homo sapiens GN=RPS3 PE=1 SV=2 - [RS3_HUMAN]	5	5	0.046
P62280	40S ribosomal protein S11 OS=Homo sapiens GN=RPS11 PE=1 SV=3 -	2	2	0.047

	[RS11_HUMAN]			
F5H1I1	Eukaryotic Translation Initiation Factor 3, Subunit C OS=Homo sapiens GN=EIF3C PE=4 SV=1 - [F5H1I1_HUMAN]	4	4	0.047
D6R9B6	Ribosomal protein S3A, isoform CRA_e OS=Homo sapiens GN=RPS3A PE=4 SV=1 - [D6R9B6_HUMAN]	4	4	0.047
Q2L6I2	ABC50 protein OS=Homo sapiens GN=ABCF1 PE=2 SV=1 - [Q2L6I2_HUMAN]	4	4	0.047
P18206	Vinculin OS=Homo sapiens GN=VCL PE=1 SV=4 - [VINC_HUMAN]	28	28	0.048
Q9Y266	Nuclear migration protein nudC OS=Homo sapiens GN=NUDC PE=1 SV=1 - [NUDC_HUMAN]	5	5	0.049
E7ETK6	Signal Recognition Particle 68kDa OS=Homo sapiens GN=SRP68 PE=4 SV=1 - [E7ETK6_HUMAN]	2	2	0.049
P24534	Elongation factor 1-beta OS=Homo sapiens GN=EEF1B2 PE=1 SV=3 - [EF1B_HUMAN]	3	4	0.050
P02730	Band 3 anion transport protein OS=Homo sapiens GN=SLC4A1 PE=1 SV=3 - [B3AT_HUMAN]	7	7	0.050
P23193	Transcription elongation factor A protein 1 OS=Homo sapiens GN=TCEA1 PE=1 SV=2 - [TCEA1_HUMAN]	4	4	0.051
Q9NZD4	Alpha-hemoglobin-stabilizing protein OS=Homo sapiens GN=AHSP PE=1 SV=1 - [AHSP_HUMAN]	7	7	0.051
P35527	Keratin, type I cytoskeletal 9 OS=Homo sapiens GN=KRT9 PE=1 SV=3 - [K1C9_HUMAN]	9	9	0.052
P15104	Glutamine synthetase OS=Homo sapiens GN=GLUL PE=1 SV=4 - [GLNA_HUMAN]	7	7	0.052
F5H0N0	Actin, Gamma 1 OS=Homo sapiens GN=ACTG1 PE=3 SV=1 - [F5H0N0_HUMAN]	4	13	0.053
Q5TCU6	Talin 1 OS=Homo sapiens GN=TLN1 PE=2 SV=1 - [Q5TCU6_HUMAN]	65	66	0.053
O75821	Eukaryotic translation initiation factor 3 subunit G OS=Homo sapiens GN=EIF3G PE=1 SV=2 - [EIF3G_HUMAN]	6	6	0.054
P62249	40S ribosomal protein S16 OS=Homo sapiens GN=RPS16 PE=1 SV=2 - [RS16_HUMAN]	4	4	0.054
B4DV79	Eukaryotic Translation Initiation Factor 3, Subunit B OS=Homo sapiens GN=EIF3B PE=2 SV=1 - [B4DV79_HUMAN]	5	5	0.056
B4E2V5	Stomatin OS=Homo sapiens GN=STOM PE=2 SV=1 - [B4E2V5_HUMAN]	3	3	0.056
Q00688	Peptidyl-prolyl cis-trans isomerase FKBP3 OS=Homo sapiens GN=FKBP3 PE=1 SV=1 - [FKBP3_HUMAN]	4	4	0.058
E9PDE8	heat shock 70kDa protein 4-like OS=Homo sapiens GN=HSPA4L PE=3 SV=1 - [E9PDE8_HUMAN]	2	3	0.059
D9YZV5	Tropomyosin 1 (Alpha) isoform 4 OS=Homo sapiens GN=TPM1 PE=3 SV=1 - [D9YZV5_HUMAN]	3	10	0.059
P26641	Elongation factor 1-gamma OS=Homo sapiens GN=EEF1G PE=1 SV=3 - [EF1G_HUMAN]	12	12	0.059
P16949	Stathmin OS=Homo sapiens GN=STMN1 PE=1 SV=3 - [STMN1_HUMAN]	14	14	0.060
P07814	Bifunctional aminoacyl-tRNA synthetase OS=Homo sapiens GN=EPRS PE=1 SV=5 - [SYEP_HUMAN]	4	4	0.060
F5H6K0	DEAH (Asp-Glu-Ala-His) box helicase 15 OS=Homo sapiens GN=DHX15 PE=4 SV=1 - [F5H6K0_HUMAN]	2	2	0.061
Q92688	Acidic leucine-rich nuclear phosphoprotein 32 family member B OS=Homo sapiens GN=ANP32B PE=1 SV=1 - [AN32B_HUMAN]	3	5	0.062
E9PDI1	glycerophosphocholine phosphodiesterase GDE1 homolog OS=Homo sapiens GN=GPCPD1 PE=4 SV=1 - [E9PDI1_HUMAN]	2	2	0.063
Q13442	28 kDa heat- and acid-stable phosphoprotein OS=Homo sapiens GN=PDAP1 PE=1 SV=1 - [HAP28_HUMAN]	7	7	0.063
P22626	Heterogeneous nuclear ribonucleoproteins A2/B1 OS=Homo sapiens GN=HNRNPA2B1 PE=1 SV=2 - [ROA2_HUMAN]	7	10	0.063
P40429	60S ribosomal protein L13a OS=Homo sapiens GN=RPL13A PE=1 SV=2 - [RL13A_HUMAN]	2	2	0.064
P63244	Guanine nucleotide-binding protein subunit beta-2-like 1 OS=Homo sapiens GN=GNB2L1 PE=1 SV=3 - [GBLP_HUMAN]	4	4	0.064
Q5LJ98	TROVE domain family, member 2 OS=Homo sapiens GN=TROVE2 PE=2 SV=1 - [Q5LJ98_HUMAN]	3	3	0.064
P17931	Galectin-3 OS=Homo sapiens GN=LGALS3 PE=1 SV=5 - [LEG3_HUMAN]	7	7	0.064
P06744	Glucose-6-phosphate isomerase OS=Homo sapiens GN=GPI PE=1 SV=4 - [G6PI_HUMAN]	19	19	0.065
P05455	Lupus La protein OS=Homo sapiens GN=SSB PE=1 SV=2 - [LA_HUMAN]	5	5	0.065
P49327	Fatty acid synthase OS=Homo sapiens GN=FASN PE=1 SV=3 - [FAS_HUMAN]	34	34	0.065
Q96CG1	ETF1 protein OS=Homo sapiens GN=ETF1 PE=2 SV=1 - [Q96CG1_HUMAN]	4	4	0.065

P12829	Myosin light chain 4 OS=Homo sapiens GN=MYL4 PE=1 SV=3 - [MYL4_HUMAN]	4	4	0.065
B4E0X8	far upstream element (FUSE) binding protein 1 OS=Homo sapiens GN=FUBP1 PE=2 SV=1 - [B4E0X8_HUMAN]	2	3	0.067
P13645	Keratin, type I cytoskeletal 10 OS=Homo sapiens GN=KRT10 PE=1 SV=6 - [K1C10_HUMAN]	5	5	0.067
P62701	40S ribosomal protein S4, X isoform OS=Homo sapiens GN=RPS4X PE=1 SV=2 - [RS4X_HUMAN]	3	3	0.067
P41250	Glycyl-tRNA synthetase OS=Homo sapiens GN=GARS PE=1 SV=3 - [SYG_HUMAN]	7	8	0.068
P09651	Heterogeneous nuclear ribonucleoprotein A1 OS=Homo sapiens GN=HNRNPA1 PE=1 SV=5 - [ROA1_HUMAN]	3	7	0.069
Q4VBZ6	EEF1D protein OS=Homo sapiens GN=EEF1D PE=1 SV=1 - [Q4VBZ6_HUMAN]	3	4	0.070
Q9ULV4	Coronin-1C OS=Homo sapiens GN=CORO1C PE=1 SV=1 - [COR1C_HUMAN]	9	9	0.071
P26639	Threonyl-tRNA synthetase, cytoplasmic OS=Homo sapiens GN=TARS PE=1 SV=3 - [SYTC_HUMAN]	7	7	0.072
E7EWX4	actin related protein 2/3 complex, subunit 4 OS=Homo sapiens GN=ARPC4 PE=4 SV=1 - [E7EWX4_HUMAN]	2	2	0.072
P20042	Eukaryotic translation initiation factor 2 subunit 2 OS=Homo sapiens GN=EIF2S2 PE=1 SV=2 - [IF2B_HUMAN]	4	4	0.073
Q8NFP7	Diphosphoinositol polyphosphate phosphohydrolase 3-alpha OS=Homo sapiens GN=NUDT10 PE=1 SV=1 - [NUD10_HUMAN]	2	2	0.074
P46782	40S ribosomal protein S5 OS=Homo sapiens GN=RPS5 PE=1 SV=4 - [RS5_HUMAN]	2	2	0.074
C9JNW5	Ribosomal protein L24, isoform CRA_e OS=Homo sapiens GN=RPL24 PE=4 SV=1 - [C9JNW5_HUMAN]	5	5	0.075
E9PL10	Basic Transcription Factor 3-Like 4 OS=Homo sapiens GN=BTF3L4 PE=4 SV=1 - [E9PL10_HUMAN]	6	6	0.075
P11166	Solute carrier family 2, facilitated glucose transporter member 1 OS=Homo sapiens GN=SLC2A1 PE=1 SV=2 - [GTR1_HUMAN]	4	4	0.075
P62081	40S ribosomal protein S7 OS=Homo sapiens GN=RPS7 PE=1 SV=1 - [RS7_HUMAN]	4	4	0.076
B4DTI0	ARP3 actin-related protein 3 homolog OS=Homo sapiens GN=ACTR3 PE=2 SV=1 - [B4DTI0_HUMAN]	3	3	0.077
F2Z2Y4	pyridoxal (pyridoxine, vitamin B6) kinase OS=Homo sapiens GN=PDXX PE=4 SV=1 - [F2Z2Y4_HUMAN]	4	4	0.077
O60841	Eukaryotic translation initiation factor 5B OS=Homo sapiens GN=EIF5B PE=1 SV=4 - [IF2P_HUMAN]	5	5	0.077
E9PM36	ribosomal protein S2 OS=Homo sapiens GN=RPS2 PE=3 SV=1 - [E9PM36_HUMAN]	2	2	0.077
Q99614	Tetratricopeptide repeat protein 1 OS=Homo sapiens GN=TTC1 PE=1 SV=1 - [TTC1_HUMAN]	2	2	0.078
Q04917	14-3-3 protein eta OS=Homo sapiens GN=YWHAH PE=1 SV=4 - [1433F_HUMAN]	6	11	0.078
D6RFZ8	diphosphoinositol pentakisphosphate kinase 2 OS=Homo sapiens GN=PPIP5K2 PE=4 SV=1 - [D6RFZ8_HUMAN]	2	2	0.078
P49959	Double-strand break repair protein MRE11A OS=Homo sapiens GN=MRE11A PE=1 SV=3 - [MRE11_HUMAN]	2	2	0.079
P30044	Peroxiredoxin-5, mitochondrial OS=Homo sapiens GN=PRDX5 PE=1 SV=4 - [PRDX5_HUMAN]	2	2	0.080
P06733	Alpha-enolase OS=Homo sapiens GN=ENO1 PE=1 SV=2 - [ENOA_HUMAN]	15	17	0.080
E9PH51	L-lactate dehydrogenase OS=Homo sapiens GN=LDHA PE=3 SV=2 - [E9PH51_HUMAN]	11	13	0.081
E5RJ56	dematin OS=Homo sapiens GN=EPB49 PE=4 SV=1 - [E5RJ56_HUMAN]	5	5	0.081
Q13765	Nascent polypeptide-associated complex subunit alpha OS=Homo sapiens GN=NACA PE=1 SV=1 - [NACA_HUMAN]	3	3	0.082
P04075	Fructose-bisphosphate aldolase A OS=Homo sapiens GN=ALDOA PE=1 SV=2 - [ALDOA_HUMAN]	15	20	0.083
P11277	Spectrin beta chain, erythrocyte OS=Homo sapiens GN=SPTB PE=1 SV=5 - [SPTB1_HUMAN]	16	17	0.083
B4DEW9	cDNA FLJ52478, highly similar to Eukaryotic translation initiation factor 3 subunit 5 OS=Homo sapiens PE=2 SV=1 - [B4DEW9_HUMAN]	3	3	0.084
Q99447	Ethanolamine-phosphate cytidyltransferase OS=Homo sapiens GN=PCYT2 PE=1 SV=1 - [PCYT2_HUMAN]	3	3	0.085
P14618	Pyruvate kinase isozymes M1/M2 OS=Homo sapiens GN=PKM2 PE=1 SV=4 - [KPYM_HUMAN]	8	9	0.085
Q9BXL5	Hemogen OS=Homo sapiens GN=HEMGN PE=1 SV=1 - [HEMGN_HUMAN]	8	8	0.086
P67809	Nuclease-sensitive element-binding protein 1 OS=Homo sapiens GN=YBX1	4	4	0.086

	PE=1 SV=3 - [YBOX1_HUMAN]			
P60660	Myosin light polypeptide 6 OS=Homo sapiens GN=MYL6 PE=1 SV=2 - [MYL6_HUMAN]	2	2	0.086
Q99471	Prefoldin subunit 5 OS=Homo sapiens GN=PFD5 PE=1 SV=2 - [PFD5_HUMAN]	2	2	0.087
P25398	40S ribosomal protein S12 OS=Homo sapiens GN=RPS12 PE=1 SV=3 - [RS12_HUMAN]	2	2	0.088
E7EQR4	Ezrin OS=Homo sapiens GN=EZR PE=4 SV=2 - [E7EQR4_HUMAN]	15	20	0.089
P28838	Cytosol aminopeptidase OS=Homo sapiens GN=LAP3 PE=1 SV=3 - [AMPL_HUMAN]	5	5	0.090
B4DPK8	heterogeneous nuclear ribonucleoprotein L OS=Homo sapiens GN=HNRNPL PE=2 SV=1 - [B4DPK8_HUMAN]	3	3	0.091
P62750	60S ribosomal protein L23a OS=Homo sapiens GN=RPL23A PE=1 SV=1 - [RL23A_HUMAN]	2	2	0.092
B4DFF1	cDNA FLJ53312, highly similar to Heterogeneous nuclear ribonucleoprotein K OS=Homo sapiens PE=2 SV=1 - [B4DFF1_HUMAN]	10	10	0.093
E9PKZ0	ribosomal protein L8 OS=Homo sapiens GN=RPL8 PE=4 SV=1 - [E9PKZ0_HUMAN]	3	3	0.094
P54577	Tyrosyl-tRNA synthetase, cytoplasmic OS=Homo sapiens GN=YARS PE=1 SV=4 - [SYYC_HUMAN]	19	19	0.094
Q9H1E3	Nuclear ubiquitous casein and cyclin-dependent kinases substrate OS=Homo sapiens GN=NUCKS1 PE=1 SV=1 - [NUCKS_HUMAN]	2	2	0.095
B0V043	valyl-tRNA synthetase OS=Homo sapiens GN=VAR5 PE=3 SV=1 - [B0V043_HUMAN]	2	2	0.095
F5GWW0	cathepsin B OS=Homo sapiens GN=CTSB PE=3 SV=1 - [F5GWW0_HUMAN]	3	3	0.098
Q9UHV9	Prefoldin subunit 2 OS=Homo sapiens GN=PFD2 PE=1 SV=1 - [PFD2_HUMAN]	4	4	0.098
P62269	40S ribosomal protein S18 OS=Homo sapiens GN=RPS18 PE=1 SV=3 - [RS18_HUMAN]	6	6	0.099
P35579	Myosin-9 OS=Homo sapiens GN=MYH9 PE=1 SV=4 - [MYH9_HUMAN]	42	53	0.099
P00915	Carbonic anhydrase 1 OS=Homo sapiens GN=CA1 PE=1 SV=2 - [CAH1_HUMAN]	11	11	13.615