

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Cells	sp	A0A075B759	PAL4E_HUMAN	Peptidyl-prolyl cis-trans isomerase A-like 4E	PPIAL4E
Cells	sp	A0A075B767	PAL4H_HUMAN	Peptidyl-prolyl cis-trans isomerase A-like 4H	PPIAL4H
Cells	sp	A0A0B4J2A2	PAL4C_HUMAN	Peptidyl-prolyl cis-trans isomerase A-like 4C	PPIAL4C
Cells	sp	A0A0B4J2D5	GAL3B_HUMAN	Glutamine amidotransferase-like class 1 domain-containing protein 3B, mitochondrial	GATD3B
Cells	tr	A0A0G2JNQ3	A0A0G2JNQ3_HUMAN	RRM domain-containing protein	HNRNPCL2
Cells	tr	A0A0G2JPF8	A0A0G2JPF8_HUMAN	RRM domain-containing protein	HNRNPCL4
Cells	tr	A0A2R8Y422	A0A2R8Y422_HUMAN	Ubiquitin-like domain-containing protein	ENSG00000231767
Cells	tr	A0A2R8Y4L2	A0A2R8Y4L2_HUMAN	Heterogeneous nuclear ribonucleoprotein A1 pseudogene 48	HNRNPA1P48
Cells	tr	A0A3B3IRV3	A0A3B3IRV3_HUMAN	Malignant T-cell-amplified sequence	MCTS2P
Cells	sp	A4D1E9	GTPBA_HUMAN	GTP-binding protein 10	GTPBP10
Cells	sp	A6NHG4	DDTL_HUMAN	D-dopachrome decarboxylase-like protein	DDTL
Cells	sp	A6NHL2	TBAL3_HUMAN	Tubulin alpha chain-like 3	TUBAL3
Cells	sp	A6NIH7	U119B_HUMAN	Protein unc-119 homolog B	UNC119B
Cells	sp	A8MTJ3	GNAT3_HUMAN	Guanine nucleotide-binding protein G(t) subunit alpha-3	GNAT3
Cells	sp	A8MWD9	RUXGL_HUMAN	Putative small nuclear ribonucleoprotein G-like protein 15	SNRPGP15
Cells	sp	B2RPK0	HGB1A_HUMAN	Putative high mobility group protein B1-like 1	HMGBlP1
Cells	sp	B2RXH8	HNRC2_HUMAN	Heterogeneous nuclear ribonucleoprotein C-like 2	HNRNPCL2
Cells	sp	B7ZW38	HNRC3_HUMAN	Heterogeneous nuclear ribonucleoprotein C-like 3	HNRNPCL3
Cells	sp	E9PAV3	NACAM_HUMAN	Nascent polypeptide-associated complex subunit alpha, muscle-specific form	NACA
Cells	sp	F5H284	PAL4D_HUMAN	Peptidyl-prolyl cis-trans isomerase A-like 4D	PPIAL4D
Cells	sp	G2XKQ0	SUMO5_HUMAN	Small ubiquitin-related modifier 5	SUMO1P1
Cells	sp	O00115	DNS2A_HUMAN	Deoxyribonuclease-2-alpha	DNASE2
Cells	sp	O00148	DX39A_HUMAN	ATP-dependent RNA helicase DDX39A	DDX39A
Cells	sp	O00151	PDLI1_HUMAN	PDZ and LIM domain protein 1	PDLIM1
Cells	sp	O00154	BACH_HUMAN	Cytosolic acyl coenzyme A thioester hydrolase	ACOT7
Cells	sp	O00161	SNP23_HUMAN	Synaptosomal-associated protein 23	SNAP23
Cells	sp	O00170	AIP_HUMAN	AH receptor-interacting protein	AIP
Cells	sp	O00193	SMAP_HUMAN	Small acidic protein	SMAP
Cells	sp	O00217	NDUS8_HUMAN	NADH dehydrogenase [ubiquinone] iron-sulfur protein 8, mitochondrial	NDUFS8
Cells	sp	O00231	PSD11_HUMAN	26S proteasome non-ATPase regulatory subunit 11	PSMD11
Cells	sp	O00233	PSMD9_HUMAN	26S proteasome non-ATPase regulatory subunit 9	PSMD9
Cells	sp	O00244	ATOX1_HUMAN	Copper transport protein ATOX1	ATOX1
Cells	sp	O00264	PGRC1_HUMAN	Membrane-associated progesterone receptor component 1	PGRMC1
Cells	sp	O00267	SPT5H_HUMAN	Transcription elongation factor SPT5	SUPT5H
Cells	sp	O00273	DFFA_HUMAN	DNA fragmentation factor subunit alpha	DFFA
Cells	sp	O00303	EIF3F_HUMAN	Eukaryotic translation initiation factor 3 subunit F	EIF3F
Cells	sp	O00425	IGF2B3_HUMAN	Insulin-like growth factor 2 mRNA-binding protein 3	IGF2BP3
Cells	sp	O00461	GOL14_HUMAN	Golgi integral membrane protein 4	GOLIM4
Cells	sp	O00469	PLOD2_HUMAN	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2	PLOD2
Cells	sp	O00487	PSDE_HUMAN	26S proteasome non-ATPase regulatory subunit 14	PSMD14
Cells	sp	O00625	PIR_HUMAN	Pirin	PIR
Cells	sp	O00743	PPP6C_HUMAN	Serine/threonine-protein phosphatase 6 catalytic subunit	PPP6C
Cells	sp	O00764	PDXK_HUMAN	Pyridoxal kinase	PDXK
Cells	sp	O14561	ACPM_HUMAN	Acyl carrier protein, mitochondrial	NDUFAB1
Cells	sp	O14562	UBFD1_HUMAN	Ubiquitin domain-containing protein UBFD1	UBFD1
Cells	sp	O14602	IF1AY_HUMAN	Eukaryotic translation initiation factor 1A, Y-chromosomal	EIF1AY
Cells	sp	O14737	PDCD5_HUMAN	Programmed cell death protein 5	PDCD5
Cells	sp	O14744	ANM5_HUMAN	Protein arginine N-methyltransferase 5	PRMT5
Cells	sp	O14745	NHRF1_HUMAN	Na(+)/H(+) exchange regulatory cofactor NHE-RF1	SLC9A3R1
Cells	sp	O14773	TPP1_HUMAN	Tripeptidyl-peptidase 1	TPP1
Cells	sp	O14907	TX1B3_HUMAN	Tax1-binding protein 3	TAX1BP3
Cells	sp	O14910	LIN7A_HUMAN	Protein lin-7 homolog A	LIN7A
Cells	sp	O14950	ML12B_HUMAN	Myosin regulatory light chain 12B	MYL12B
Cells	sp	O14964	HGS_HUMAN	Hepatocyte growth factor-regulated tyrosine kinase substrate	HGS
Cells	sp	O14979	HNRDL_HUMAN	Heterogeneous nuclear ribonucleoprotein D-like	HNRNPDL
Cells	sp	O15127	SCAM2_HUMAN	Secretory carrier-associated membrane protein 2	SCAMP2
Cells	sp	O15143	ARPC1B_HUMAN	Actin-related protein 2/3 complex subunit 1B	ARPC1B
Cells	sp	O15144	ARPC2_HUMAN	Actin-related protein 2/3 complex subunit 2	ARPC2
Cells	sp	O15145	ARPC3_HUMAN	Actin-related protein 2/3 complex subunit 3	ARPC3
Cells	sp	O15173	PGRC2_HUMAN	Membrane-associated progesterone receptor component 2	PGRMC2
Cells	sp	O15212	PF6D_HUMAN	Prefoldin subunit 6	PF6D
Cells	sp	O15347	HMGBl3_HUMAN	High mobility group protein B3	HMGBl3
Cells	sp	O15355	PPM1G_HUMAN	Protein phosphatase 1G	PPM1G
Cells	sp	O15372	EIF3H_HUMAN	Eukaryotic translation initiation factor 3 subunit H	EIF3H
Cells	sp	O15382	BCAT2_HUMAN	Branched-chain-amino-acid aminotransferase, mitochondrial	BCAT2
Cells	sp	O15446	RPA34_HUMAN	DNA-directed RNA polymerase I subunit RPA34	CD3EAP
Cells	sp	O15498	YKT6_HUMAN	Synaptobrevin homolog YKT6	YKT6
Cells	sp	O15511	ARPC5_HUMAN	Actin-related protein 2/3 complex subunit 5	ARPC5
Cells	sp	O43169	CYB5B_HUMAN	Cytochrome b5 type B	CYB5B
Cells	sp	O43290	SNUT1_HUMAN	U4/U6.U5 tri-snRNP-associated protein 1	SART1
Cells	sp	O43324	MCA3_HUMAN	Eukaryotic translation elongation factor 1 epsilon-1	EEF1E1
Cells	sp	O43390	HNRNPR_HUMAN	Heterogeneous nuclear ribonucleoprotein R	HNRNPR
Cells	sp	O43396	TXNL1_HUMAN	Thioredoxin-like protein 1	TXNL1
Cells	sp	O43399	TPD54_HUMAN	Tumor protein D54	TPD52L2
Cells	sp	O43402	EMC8_HUMAN	ER membrane protein complex subunit 8	EMC8
Cells	sp	O43423	AN32C_HUMAN	Acidic leucine-rich nuclear phosphoprotein 32 family member C	ANP32C
Cells	sp	O43447	PIIH_HUMAN	Peptidyl-prolyl cis-trans isomerase H	PIIH
Cells	sp	O43488	ARK72_HUMAN	Aflatoxin B1 aldehyde reductase member 2	AKR7A2
Cells	sp	O43491	E41L2_HUMAN	Band 4.1-like protein 2	EPB41L2
Cells	sp	O43583	DENR_HUMAN	Density-regulated protein	DENR
Cells	sp	O43598	DNPH1_HUMAN	2'-deoxynucleoside 5'-phosphate N-hydrolase 1	DNPH1
Cells	sp	O43633	CHMP2A_HUMAN	Charged multivesicular body protein 2a	CHMP2A
Cells	sp	O43670	ZNF207_HUMAN	BUB3-interacting and GLEBS motif-containing protein ZNF207	ZNF207
Cells	sp	O43676	NDUB3_HUMAN	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 3	NDUF3
Cells	sp	O43678	NDUA2_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2	NDUFA2
Cells	sp	O43681	GET3_HUMAN	ATPase GET3	GET3
Cells	sp	O43684	BUB3_HUMAN	Mitotic checkpoint protein BUB3	BUB3
Cells	sp	O43709	BUD23_HUMAN	Probable 18S rRNA (guanine-N(7))-methyltransferase	BUD23
Cells	sp	O43752	STX6_HUMAN	Syntaxin-6	STX6
Cells	sp	O43765	SGTA_HUMAN	Small glutamine-rich tetratricopeptide repeat-containing protein alpha	SGTA

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Cells	sp	043768	ENSA_HUMAN	Alpha-endosulfine	ENSA
Cells	sp	043776	SYNC_HUMAN	Asparagine-tRNA ligase, cytoplasmic	NARS1
Cells	sp	043809	CPSF5_HUMAN	Cleavage and polyadenylation specificity factor subunit 5	NUDT21
Cells	sp	043813	LANC1_HUMAN	Glutathione S-transferase LANC1	LANCL1
Cells	sp	043818	U3IP2_HUMAN	U3 small nucleolar RNA-interacting protein 2	RRP9
Cells	sp	043852	CALU_HUMAN	Calumenin	CALU
Cells	sp	043865	SAHH2_HUMAN	S-adenosylhomocysteine hydrolase-like protein 1	AHCLY1
Cells	sp	043920	NDUS5_HUMAN	NADH dehydrogenase [ubiquinone] iron-sulfur protein 5	NDUF55
Cells	sp	060220	TIM8A_HUMAN	Mitochondrial import inner membrane translocase subunit Tim8 A	TIMM8A
Cells	sp	060271	JIP4_HUMAN	C-Jun-amino-terminal kinase-interacting protein 4	SPAG9
Cells	sp	060341	KDM1A_HUMAN	Lysine-specific histone demethylase 1A	KDM1A
Cells	sp	060493	SNX3_HUMAN	Sorting nexin-3	SNX3
Cells	sp	060506	HNRPO_HUMAN	Heterogeneous nuclear ribonucleoprotein Q	SYNCRIP
Cells	sp	060568	PLOD3_HUMAN	Multifunctional procollagen lysine hydroxylase and glycosyltransferase LH3	PLOD3
Cells	sp	060664	PLIN3_HUMAN	Perilipin-3	PLIN3
Cells	sp	060701	UGDH_HUMAN	UDP-glucose 6-dehydrogenase	UGDH
Cells	sp	060739	EIF1B_HUMAN	Eukaryotic translation initiation factor 1b	EIF1B
Cells	sp	060812	HNRC1_HUMAN	Heterogeneous nuclear ribonucleoprotein C-like 1	HNRNPCL1
Cells	sp	060828	PQBP1_HUMAN	Polyglutamine-binding protein 1	PQBP1
Cells	sp	060832	DKC1_HUMAN	H/ACA ribonucleoprotein complex subunit DKC1	DKC1
Cells	sp	060841	IF2P_HUMAN	Eukaryotic translation initiation factor 5B	EIF5B
Cells	sp	060869	EDF1_HUMAN	Endothelial differentiation-related factor 1	EDF1
Cells	sp	060884	DNJA2_HUMAN	DnaJ homolog subfamily A member 2	DNJA2
Cells	sp	060885	BRD4_HUMAN	Bromodomain-containing protein 4	BRD4
Cells	sp	060888	CUTA_HUMAN	Protein CutA	CUTA
Cells	sp	060925	PFD1_HUMAN	Prefoldin subunit 1	PFDN1
Cells	sp	075131	CPNE3_HUMAN	Copine-3	CPNE3
Cells	sp	075223	GGCT_HUMAN	Gamma-glutamylcyclotransferase	GGCT
Cells	sp	075306	NDUS2_HUMAN	NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial	NDUF52
Cells	sp	075312	ZPR1_HUMAN	Zinc finger protein ZPR1	ZPR1
Cells	sp	075340	PDCD6_HUMAN	Programmed cell death protein 6	PDCD6
Cells	sp	075347	TBCA_HUMAN	Tubulin-specific chaperone A	TBCA
Cells	sp	075348	VATG1_HUMAN	V-type proton ATPase subunit G 1	ATP6V1G1
Cells	sp	075351	VPS4B_HUMAN	Vacuolar protein sorting-associated protein 4B	VPS4B
Cells	sp	075367	H2AY_HUMAN	Core histone macro-H2A.1	MACROH2A1
Cells	sp	075381	PEX14_HUMAN	Peroxisomal membrane protein PEX14	PEX14
Cells	sp	075390	CISY_HUMAN	Citrate synthase, mitochondrial	CS
Cells	sp	075438	NDUB1_HUMAN	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 1	NDUFB1
Cells	sp	075439	MPPB_HUMAN	Mitochondrial-processing peptidase subunit beta	PMPCB
Cells	sp	075475	PSIP1_HUMAN	PC4 and SFRS1-interacting protein	PSIP1
Cells	sp	075489	NDUS3_HUMAN	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial	NDUF53
Cells	sp	075494	SRS10_HUMAN	Serine/arginine-rich splicing factor 10	SRSF10
Cells	sp	075521	ECI2_HUMAN	Enoyl-CoA delta isomerase 2, mitochondrial	ECI2
Cells	sp	075531	BAF_HUMAN	Barrier-to-autointegration factor	BANF1
Cells	sp	075607	NPM3_HUMAN	Nucleoplasm-in-3	NPM3
Cells	sp	075608	LYPA1_HUMAN	Acyl-protein thioesterase 1	LYPA1
Cells	sp	075822	EIF3J_HUMAN	Eukaryotic translation initiation factor 3 subunit J	EIF3J
Cells	sp	075828	CBR3_HUMAN	Carbonyl reductase [NADPH] 3	CBR3
Cells	sp	075844	FACE1_HUMAN	CAAX prenyl protease 1 homolog	ZMPSTE24
Cells	sp	075880	SCO1_HUMAN	Protein SCO1 homolog, mitochondrial	SCO1
Cells	sp	075935	DCTN3_HUMAN	Dynactin subunit 3	DCTN3
Cells	sp	075937	DNJC8_HUMAN	DnaJ homolog subfamily C member 8	DNJAUC8
Cells	sp	075940	SPF30_HUMAN	Survival of motor neuron-related-splicing factor 30	SMINDC1
Cells	sp	075947	ATP5H_HUMAN	ATP synthase subunit d, mitochondrial	ATP5PD
Cells	sp	075964	ATP5L_HUMAN	ATP synthase subunit g, mitochondrial	ATP5MG
Cells	sp	076003	GLRX3_HUMAN	Glutaredoxin-3	GLRX3
Cells	sp	094903	PLPHP_HUMAN	Pyridoxal phosphate homeostasis protein	PLPBP
Cells	sp	094979	SC31A_HUMAN	Protein transport protein Sec31A	SEC31A
Cells	sp	095104	SCAF4_HUMAN	SR-related and CTD-associated factor 4	SCAF4
Cells	sp	095168	NDUB4_HUMAN	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 4	NDUFB4
Cells	sp	095197	RTN3_HUMAN	Reticulon-3	RTN3
Cells	sp	095202	LETM1_HUMAN	Mitochondrial proton/calcium exchanger protein	LETM1
Cells	sp	095218	ZRAB2_HUMAN	Zinc finger Ran-binding domain-containing protein 2	ZRANB2
Cells	sp	095292	VAPB_HUMAN	Vesicle-associated membrane protein-associated protein B/C	VAPB
Cells	sp	095297	MPZL1_HUMAN	Myelin protein zero-like protein 1	MPZL1
Cells	sp	095302	FKBP9_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP9	FKBP9
Cells	sp	095399	UTS2_HUMAN	Urotensin-2	UTS2
Cells	sp	095571	ETHE1_HUMAN	Persulfide dioxygenase ETHE1, mitochondrial	ETHE1
Cells	sp	095626	ANP32D_HUMAN	Acidic leucine-rich nuclear phosphoprotein 32 family member D	ANP32D
Cells	sp	095716	RAB3D_HUMAN	Ras-related protein Rab-3D	RAB3D
Cells	sp	095721	SNP29_HUMAN	Synaptosomal-associated protein 29	SNAP29
Cells	sp	095757	HS74L_HUMAN	Heat shock 70 kDa protein 4L	HSPA4L
Cells	sp	095758	PTBP3_HUMAN	Polypyrimidine tract-binding protein 3	PTBP3
Cells	sp	095777	LSM8_HUMAN	U6 snRNA-associated 5m-like protein LSM8	LSM8
Cells	sp	095793	STAU1_HUMAN	Double-stranded RNA-binding protein Staufen homolog 1	STAU1
Cells	sp	095817	BAG3_HUMAN	BAG family molecular chaperone regulator 3	BAG3
Cells	sp	095831	AIFM1_HUMAN	Apoptosis-inducing factor 1, mitochondrial	AIFM1
Cells	sp	095881	TXD12_HUMAN	Thioredoxin domain-containing protein 12	TXND12
Cells	sp	096000	NDUBA_HUMAN	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10	NDUF10
Cells	sp	096008	TOM40_HUMAN	Mitochondrial import receptor subunit TOM40 homolog	TOMM40
Cells	sp	096019	ACL6A_HUMAN	Actin-like protein 6A	ACTL6A
Cells	sp	P00367	DHE3_HUMAN	Glutamate dehydrogenase 1, mitochondrial	GLUD1
Cells	sp	P00387	NBSR3_HUMAN	NADH-cytochrome b5 reductase 3	CYB5R3
Cells	sp	P00390	GSHR_HUMAN	Glutathione reductase, mitochondrial	GSR
Cells	sp	P00403	COX2_HUMAN	Cytochrome c oxidase subunit 2	MT-CO2
Cells	sp	P00491	PNPH_HUMAN	Purine nucleoside phosphorylase	PNP
Cells	sp	P00492	HPRT_HUMAN	Hypoxanthine-guanine phosphoribosyltransferase	HPRT1
Cells	sp	P00505	AATM_HUMAN	Aspartate aminotransferase, mitochondrial	GOT2
Cells	sp	P00533	EGFR_HUMAN	Epidermal growth factor receptor	EGFR
Cells	sp	P00568	KAD1_HUMAN	Adenylate kinase isoenzyme 1	AK1

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Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Cells	sp	P01111	RASN_HUMAN	GTPase NRas	NRAS
Cells	sp	P01112	RASH_HUMAN	GTPase HRas	HRAS
Cells	sp	P01116	RASK_HUMAN	GTPase KRas	KRAS
Cells	sp	P01893	HLAH_HUMAN	Putative HLA class I histocompatibility antigen, alpha chain H	HLA-H
Cells	sp	P02545	LMNA_HUMAN	Prelamin-A/C	LMNA
Cells	sp	P02794	FRIH_HUMAN	Ferritin heavy chain	FTH1
Cells	sp	P04040	CATA_HUMAN	Catalase	CAT
Cells	sp	P04080	CYTB_HUMAN	Cystatin-B	CSTB
Cells	sp	P04083	ANXA1_HUMAN	Annexin A1	ANXA1
Cells	sp	P04179	SODM_HUMAN	Superoxide dismutase [Mn], mitochondrial	SOD2
Cells	sp	P04181	OAT_HUMAN	Ornithine aminotransferase, mitochondrial	OAT
Cells	sp	P04439	HLLA_HUMAN	HLA class I histocompatibility antigen, A alpha chain	HLA-A
Cells	sp	P04632	CPNS1_HUMAN	Calpain small subunit 1	CAPNS1
Cells	sp	P04792	HSPB1_HUMAN	Heat shock protein beta-1	HSPB1
Cells	sp	P04843	RPN1_HUMAN	Dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit 1	RPN1
Cells	sp	P04899	GNAI2_HUMAN	Guanine nucleotide-binding protein G(i) subunit alpha-2	GNAI2
Cells	sp	P05023	AT1A1_HUMAN	Sodium/potassium-transporting ATPase subunit alpha-1	ATP1A1
Cells	sp	P05026	AT1B1_HUMAN	Sodium/potassium-transporting ATPase subunit beta-1	ATP1B1
Cells	sp	P05062	ALDOB_HUMAN	Fructose-bisphosphate aldolase B	ALDOB
Cells	sp	P05067	A4_HUMAN	Amyloid-beta precursor protein	APP
Cells	sp	P05114	HMGN1_HUMAN	Non-histone chromosomal protein HMG-14	HMGN1
Cells	sp	P05161	ISG15_HUMAN	Ubiquitin-like protein ISG15	ISG15
Cells	sp	P05204	HMGN2_HUMAN	Non-histone chromosomal protein HMG-17	HMGN2
Cells	sp	P05362	ICAM1_HUMAN	Intercellular adhesion molecule 1	ICAM1
Cells	sp	P05386	RLA1_HUMAN	60S acidic ribosomal protein P1	RPLP1
Cells	sp	P05387	RLA2_HUMAN	60S acidic ribosomal protein P2	RPLP2
Cells	sp	P05388	RLA0_HUMAN	60S acidic ribosomal protein P0	RPLP0
Cells	sp	P05455	LA_HUMAN	Lupus La protein	SSB
Cells	sp	P05556	ITB1_HUMAN	Integrin beta-1	ITGB1
Cells	sp	P05976	MYL1_HUMAN	Myosin light chain 1/3, skeletal muscle isoform	MYL1
Cells	sp	P06132	DCUP_HUMAN	Uroporphyrinogen decarboxylase	UROD
Cells	sp	P06576	ATPB_HUMAN	ATP synthase subunit beta, mitochondrial	ATP5F1B
Cells	sp	P06703	S10A6_HUMAN	Protein S100-A6	S100A6
Cells	sp	P06730	IF4E_HUMAN	Eukaryotic translation initiation factor 4E	EIF4E
Cells	sp	P06753	TPM3_HUMAN	Tropomyosin alpha-3 chain	TPM3
Cells	sp	P07099	HYEP_HUMAN	Epoxide hydrolase 1	EPHX1
Cells	sp	P07108	ACBP_HUMAN	Acy-CoA-binding protein	DBI
Cells	sp	P07203	GPX1_HUMAN	Glutathione peroxidase 1	GPX1
Cells	sp	P07205	PGK2_HUMAN	Phosphoglycerate kinase 2	PGK2
Cells	sp	P07237	PDIA1_HUMAN	Protein disulfide-isomerase	P4HB
Cells	sp	P07305	H10_HUMAN	Histone H1.0	H1-0
Cells	sp	P07311	ACYP1_HUMAN	Acyolphosphatase-1	ACYP1
Cells	sp	P07602	SAP_HUMAN	Prosaposin	PSAP
Cells	sp	P07686	HEXB_HUMAN	Beta-hexosaminidase subunit beta	HEXB
Cells	sp	P07741	APT_HUMAN	Adenine phosphoribosyltransferase	APRT
Cells	sp	P07814	SYEP_HUMAN	Bifunctional glutamate/proline-tRNA ligase	EPRS1
Cells	sp	P07858	CATB_HUMAN	Cathepsin B	CTSB
Cells	sp	P07910	HNRPC_HUMAN	Heterogeneous nuclear ribonucleoproteins C1/C2	HNRNPC
Cells	sp	P07951	TPM2_HUMAN	Tropomyosin beta chain	TPM2
Cells	sp	P07954	FUMH_HUMAN	Fumarate hydratase, mitochondrial	FH
Cells	sp	P08134	RHOC_HUMAN	Rho-related GTP-binding protein RhoC	RHOC
Cells	sp	P08174	DAF_HUMAN	Complement decay-accelerating factor	CD55
Cells	sp	P08195	4F2_HUMAN	4F2 cell-surface antigen heavy chain	SLC3A2
Cells	sp	P08559	ODPA_HUMAN	Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial	PDHA1
Cells	sp	P08574	CY1_HUMAN	Cytochrome c1, heme protein, mitochondrial	CYC1
Cells	sp	P08579	RU2B_HUMAN	U2 small nuclear ribonucleoprotein B''	SNRNP2
Cells	sp	P08590	MYL3_HUMAN	Myosin light chain 3	MYL3
Cells	sp	P08621	RU17_HUMAN	U1 small nuclear ribonucleoprotein 70 kDa	SNRNP70
Cells	sp	P08708	RS17_HUMAN	40S ribosomal protein S17	RPS17
Cells	sp	P08754	GNAI3_HUMAN	Guanine nucleotide-binding protein G(i) subunit alpha	GNAI3
Cells	sp	P08758	ANXA5_HUMAN	Annexin A5	ANXA5
Cells	sp	P08962	CD63_HUMAN	CD63 antigen	CD63
Cells	sp	P09012	SNRPA_HUMAN	U1 small nuclear ribonucleoprotein A	SNRPA
Cells	sp	P09234	RU1C_HUMAN	U1 small nuclear ribonucleoprotein C	SNRPC
Cells	sp	P09382	LEG1_HUMAN	Galectin-1	LGALS1
Cells	sp	P09429	HMGB1_HUMAN	High mobility group protein B1	HMGB1
Cells	sp	P09471	GNAO_HUMAN	Guanine nucleotide-binding protein G(o) subunit alpha	GNAO1
Cells	sp	P09493	TPM1_HUMAN	Tropomyosin alpha-1 chain	TPM1
Cells	sp	P09496	CLCA_HUMAN	Clathrin light chain A	CLTA
Cells	sp	P09525	ANXA4_HUMAN	Annexin A4	ANXA4
Cells	sp	P09543	CN37_HUMAN	2',3'-cyclic-nucleotide 3'-phosphodiesterase	CNP
Cells	sp	P09622	DLDH_HUMAN	Dihydrolipoyl dehydrogenase, mitochondrial	DLSD
Cells	sp	P09651	ROA1_HUMAN	Heterogeneous nuclear ribonucleoprotein A1	HNRNPA1
Cells	sp	P09661	RU2A_HUMAN	U2 small nuclear ribonucleoprotein A'	SNRPA1
Cells	sp	P09669	COX6C_HUMAN	Cytochrome c oxidase subunit 6C	COX6C
Cells	sp	P09874	PARP1_HUMAN	Poly [ADP-ribose] polymerase 1	PARP1
Cells	sp	P09960	LKHA4_HUMAN	Leukotriene A-4 hydrolase	LTA4H
Cells	sp	P0C7P4	UCRIL_HUMAN	Putative cytochrome b-c1 complex subunit Rieske-like protein 1	UCRCF5P1
Cells	sp	P0CB38	PAB4L_HUMAN	Polyadenylate-binding protein 4-like	PABPC4L
Cells	sp	P0DME0	SETLP_HUMAN	Protein SETSIP	SETSIP
Cells	sp	P0DMR1	HNRCL_HUMAN	Heterogeneous nuclear ribonucleoprotein C-like 4	HNRNPCL4
Cells	sp	P0DN26	PAL4F_HUMAN	Peptidyl-prolyl cis-trans isomerase A-like 4F	PPIAL4F
Cells	sp	P0DN37	PAL4G_HUMAN	Peptidyl-prolyl cis-trans isomerase A-like 4G	PPIAL4G
Cells	sp	P0DN76	U2AF5_HUMAN	Splicing factor U2AF 35 kDa subunit-like protein	U2AF1L5
Cells	sp	P0DP23	CALM1_HUMAN	Calmodulin-1	CALM1
Cells	sp	P0DP24	CALM2_HUMAN	Calmodulin-2	CALM2
Cells	sp	P0DP25	CALM3_HUMAN	Calmodulin-3	CALM3
Cells	sp	P0DPI2	GAL3A_HUMAN	Glutamine amidotransferase-like class 1 domain-containing protein 3A, mitochondrial	GATD3A
Cells	sp	P10114	RAP2A_HUMAN	Ras-related protein Rap-2a	RAP2A
Cells	sp	P10253	LYAG_HUMAN	Lysosomal alpha-glucosidase	GAA

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Cells	sp	P10321	HLAC_HUMAN	HLA class I histocompatibility antigen, C alpha chain	HLA-C
Cells	sp	P10412	H14_HUMAN	Histone H1.4	H1-4
Cells	sp	P10515	ODP2_HUMAN	Dihydrolypoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial	DLAT
Cells	sp	P10599	THIO_HUMAN	Thioredoxin	TXN
Cells	sp	P10606	COX5B_HUMAN	Cytochrome c oxidase subunit 5B, mitochondrial	COX5B
Cells	sp	P10619	PPGB_HUMAN	Lyosomal protective protein	CTSA
Cells	sp	P10768	ESTD_HUMAN	S-formylglutathione hydrolase	ESD
Cells	sp	P10809	CH60_HUMAN	60 kDa heat shock protein, mitochondrial	HSPD1
Cells	sp	P11177	ODPB_HUMAN	Pyruvate dehydrogenase E1 component subunit beta, mitochondrial	PDHB
Cells	sp	P11233	RALA_HUMAN	Ras-related protein Ral-A	RALA
Cells	sp	P11279	LAMP1_HUMAN	Lysozyme-associated membrane glycoprotein 1	LAMP1
Cells	sp	P11413	G6PD_HUMAN	Glucose-6-phosphate 1-dehydrogenase	G6PD
Cells	sp	P11441	UBL4A_HUMAN	Ubiquitin-like protein 4A	UBL4A
Cells	sp	P11488	GNAT1_HUMAN	Guanine nucleotide-binding protein G(t) subunit alpha-1	GNAT1
Cells	sp	P11908	PRPS2_HUMAN	Ribose-phosphate pyrophosphokinase 2	PRPS2
Cells	sp	P11940	PABP1_HUMAN	Polyadenylate-binding protein 1	PABPC1
Cells	sp	P12004	PCNA_HUMAN	Proliferating cell nuclear antigen	PCNA
Cells	sp	P12081	HARS1_HUMAN	Histidine-tRNA ligase, cytoplasmic	HARS1
Cells	sp	P12268	IMDH2_HUMAN	Inosine-5'-monophosphate dehydrogenase 2	IMPDH2
Cells	sp	P12270	TPR_HUMAN	Nucleoprotein TPR	TPR
Cells	sp	P12532	KCRU_HUMAN	Creatine kinase U-type, mitochondrial	CKMT1B
Cells	sp	P12830	CADH1_HUMAN	Cadherin-1	CDH1
Cells	sp	P12931	SRC_HUMAN	Proto-oncogene tyrosine-protein kinase Src	SRC
Cells	sp	P12956	XRCC6_HUMAN	X-ray repair cross-complementing protein 6	XRCC6
Cells	sp	P13051	UNG_HUMAN	Uracil-DNA glycosylase	UNG
Cells	sp	P13073	COX41_HUMAN	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial	COX41
Cells	sp	P13164	IFITM1_HUMAN	Interferon-induced transmembrane protein 1	IFITM1
Cells	sp	P13473	LAMP2_HUMAN	Lysozyme-associated membrane glycoprotein 2	LAMP2
Cells	sp	P13489	RINI_HUMAN	Ribonuclease inhibitor	RNH1
Cells	sp	P13637	AT1A3_HUMAN	Sodium/potassium-transporting ATPase subunit alpha-3	ATP1A3
Cells	sp	P13667	PDIA4_HUMAN	Protein disulfide-isomerase A4	PDIA4
Cells	sp	P13674	P4HA1_HUMAN	Prolyl 4-hydroxylase subunit alpha-1	P4HA1
Cells	sp	P13693	TCTP_HUMAN	Translationaly-controlled tumor protein	TPT1
Cells	sp	P13797	PLST_HUMAN	Plastin-3	PLS3
Cells	sp	P13798	ACPH_HUMAN	Acylamino-acid-releasing enzyme	APEH
Cells	sp	P13804	ETFA_HUMAN	Electron transfer flavoprotein subunit alpha, mitochondrial	ETFA
Cells	sp	P13861	KAP2_HUMAN	cAMP-dependent protein kinase type II-alpha regulatory subunit	PRKAR2A
Cells	sp	P13984	T2FB_HUMAN	General transcription factor IIF subunit 2	GTTF2F
Cells	sp	P13995	MTDC_HUMAN	Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial	MTHFD2
Cells	sp	P14314	GLU2B_HUMAN	Glucosidase 2 subunit beta	PRKCSH
Cells	sp	P14406	CX7A2_HUMAN	Cytochrome c oxidase subunit 7A2, mitochondrial	COX7A2
Cells	sp	P14649	MYL6B_HUMAN	Myosin light chain 6B	MYL6B
Cells	sp	P14678	RSMB_HUMAN	Small nuclear ribonucleoprotein-associated proteins B and B'	SNRPB
Cells	sp	P14866	HNRPL_HUMAN	Heterogeneous nuclear ribonucleoprotein L	HNRNPL
Cells	sp	P14927	QCR7_HUMAN	Cytochrome b-c1 complex subunit 7	UQCQR
Cells	sp	P15153	RAC2_HUMAN	Ras-related C3 botulinum toxin substrate 2	RAC2
Cells	sp	P15170	ERF3A_HUMAN	Eukaryotic peptide chain release factor GTP-binding subunit ERF3A	GSPT1
Cells	sp	P15374	UCHL3_HUMAN	Ubiquitin carboxyl-terminal hydrolase isozyme L3	UCHL3
Cells	sp	P15586	GNS_HUMAN	N-acetylglucosamine-6-sulfatase	GNS
Cells	sp	P15927	RFA2_HUMAN	Replication protein A 32 kDa subunit	RPA2
Cells	sp	P15954	COX7C_HUMAN	Cytochrome c oxidase subunit 7C, mitochondrial	COX7C
Cells	sp	P16070	CD44_HUMAN	CD44 antigen	CD44
Cells	sp	P16152	CBR1_HUMAN	Carbonyl reductase [NADPH] 1	CBR1
Cells	sp	P16278	BGAL_HUMAN	Beta-galactosidase	GLB1
Cells	sp	P16298	PP2BB_HUMAN	Serine/threonine-protein phosphatase 2B catalytic subunit beta isoform	PPP3CB
Cells	sp	P16402	H13_HUMAN	Histone H1.3	H1-3
Cells	sp	P16403	H12_HUMAN	Histone H1.2	H1-2
Cells	sp	P16930	FAAA_HUMAN	Fumarylacetoacetase	FAH
Cells	sp	P16949	STMN1_HUMAN	Stathmin	STMN1
Cells	sp	P16989	YBOX3_HUMAN	Y-box-binding protein 3	YBX3
Cells	sp	P17096	HMGAI1_HUMAN	High mobility group protein HMG-I/HMG-Y	HMGAI1
Cells	sp	P17174	AATC_HUMAN	Aspartate aminotransferase, cytoplasmic	GOT1
Cells	sp	P17301	ITA2_HUMAN	Integrin alpha-2	ITGA2
Cells	sp	P17931	LEG3_HUMAN	Galectin-3	LGALS3
Cells	sp	P17980	PRS6A_HUMAN	26S proteasome regulatory subunit 6A	PSMC3
Cells	sp	P18031	PTN1_HUMAN	Tyrosine-protein phosphatase non-receptor type 1	PTPN1
Cells	sp	P18077	RL35A_HUMAN	60S ribosomal protein L35a	RPL35A
Cells	sp	P18085	ARF4_HUMAN	ADP-ribosylation factor 4	ARF4
Cells	sp	P18124	RL7_HUMAN	60S ribosomal protein L7	RPL7
Cells	sp	P18564	ITB6_HUMAN	Integrin beta-6	ITGB6
Cells	sp	P18615	NELFE_HUMAN	Negative elongation factor E	NELFE
Cells	sp	P18754	RCC1_HUMAN	Regulator of chromosome condensation	RCC1
Cells	sp	P18827	SDC1_HUMAN	Syndecan-1	SDC1
Cells	sp	P18859	ATP5J_HUMAN	ATP synthase-coupling factor 6, mitochondrial	ATP5PF
Cells	sp	P19087	GNAT2_HUMAN	Guanine nucleotide-binding protein G(t) subunit alpha-2	GNAT2
Cells	sp	P19105	ML12A_HUMAN	Myosin regulatory light chain 12A	MYL12A
Cells	sp	P19256	LFA3_HUMAN	Lymphocyte function-associated antigen 3	CD58
Cells	sp	P19338	NUCL_HUMAN	Nucleolin	NCL
Cells	sp	P19388	RPAB1_HUMAN	DNA-directed RNA polymerases I, II, and III subunit RPABC1	POLR2E
Cells	sp	P19404	NDUV2_HUMAN	NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial	NDUFV2
Cells	sp	P19623	SPEE_HUMAN	Spermidine synthase	SRM
Cells	sp	P19784	CSK22_HUMAN	Casein kinase II subunit alpha'	CSNK2A2
Cells	sp	P20073	ANXA7_HUMAN	Annexin A7	ANXA7
Cells	sp	P20290	BTF3_HUMAN	Transcription factor BTF3	BTF3
Cells	sp	P20336	RAB3A_HUMAN	Ras-related protein Rab-3A	RAB3A
Cells	sp	P20337	RAB3B_HUMAN	Ras-related protein Rab-3B	RAB3B
Cells	sp	P20338	RAB4A_HUMAN	Ras-related protein Rab-4A	RAB4A
Cells	sp	P20339	RAB5A_HUMAN	Ras-related protein Rab-5A	RAB5A
Cells	sp	P20340	RAB6A_HUMAN	Ras-related protein Rab-6A	RAB6A
Cells	sp	P20618	PSB1_HUMAN	Proteasome subunit beta type-1	PSMB1

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Cells	sp	P20645	MPRD_HUMAN	Cation-dependent mannose-6-phosphate receptor	M6PR
Cells	sp	P20674	COX5A_HUMAN	Cytochrome c oxidase subunit 5A, mitochondrial	COX5A
Cells	sp	P20700	LMNB1_HUMAN	Lamin-B1	LMNB1
Cells	sp	P20810	ICAL_HUMAN	Calpastatin	CAST
Cells	sp	P20839	IMDH1_HUMAN	Inosine-5'-monophosphate dehydrogenase 1	IMPDH1
Cells	sp	P20962	PTMS_HUMAN	Parathyroid hormone-related protein	PTMS
Cells	sp	P21108	PRPS3_HUMAN	Ribose-phosphate pyrophosphokinase 3	PRPS1L1
Cells	sp	P21291	CSRP1_HUMAN	Cysteine and glycine-rich protein 1	CSRP1
Cells	sp	P21796	VDAC1_HUMAN	Voltage-dependent anion-selective channel protein 1	VDAC1
Cells	sp	P21912	SDHB_HUMAN	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial	SDHB
Cells	sp	P21926	CD9_HUMAN	CD9 antigen	CD9
Cells	sp	P21980	TGM2_HUMAN	Protein-glutamine gamma-glutamyltransferase 2	TGM2
Cells	sp	P22061	PIMT_HUMAN	Protein-L-isoaspartate(D-aspartate) O-methyltransferase	PCMT1
Cells	sp	P22234	PUR6_HUMAN	Multifunctional protein ADE2	PAICS
Cells	sp	P22307	NLTP_HUMAN	Non-specific lipid-transfer protein	SCP2
Cells	sp	P22492	H1T_HUMAN	Histone H1t	H1-6
Cells	sp	P22626	ROA2_HUMAN	Heterogeneous nuclear ribonucleoproteins A2/B1	HNRNPA2B1
Cells	sp	P22695	QCR2_HUMAN	Cytochrome b-c1 complex subunit 2, mitochondrial	UQCRC2
Cells	sp	P23193	TCEA1_HUMAN	Transcription elongation factor A protein 1	TCEA1
Cells	sp	P23229	ITGA6_HUMAN	Integrin alpha-6	ITGA6
Cells	sp	P23246	SFPQ_HUMAN	Splicing factor, proline- and glutamine-rich	SFPQ
Cells	sp	P23284	PPIB_HUMAN	Peptidyl-prolyl cis-trans isomerase B	PPIB
Cells	sp	P23381	SYWC_HUMAN	Tryptophan-tRNA ligase, cytoplasmic	WARS1
Cells	sp	P23396	RS3_HUMAN	40S ribosomal protein S3	RPS3
Cells	sp	P23434	GCSH_HUMAN	Glycine cleavage system H protein, mitochondrial	GCSH
Cells	sp	P23588	IF4B_HUMAN	Eukaryotic translation initiation factor 4B	EIF4B
Cells	sp	P23786	CPT2_HUMAN	Carnitine O-palmitoyltransferase 2, mitochondrial	CPT2
Cells	sp	P24534	EF1B_HUMAN	Elongation factor 1-beta	EEF1B2
Cells	sp	P24539	AT5F1_HUMAN	ATP synthase F(0) complex subunit B1, mitochondrial	ATP5PB
Cells	sp	P24666	PPAC_HUMAN	Low molecular weight phosphotyrosine protein phosphatase	ACP1
Cells	sp	P24752	THIL_HUMAN	Acetyl-CoA acetyltransferase, mitochondrial	ACAT1
Cells	sp	P24844	MYL9_HUMAN	Myosin regulatory light polypeptide 9	MYL9
Cells	sp	P25325	THTM_HUMAN	3-mercaptopyruvate sulfurtransferase	MPST
Cells	sp	P25398	RS12_HUMAN	40S ribosomal protein S12	RPS12
Cells	sp	P25685	DNJB1_HUMAN	DnaJ homolog subfamily B member 1	DNAJB1
Cells	sp	P25705	ATPA_HUMAN	ATP synthase subunit alpha, mitochondrial	ATP5F1A
Cells	sp	P25786	PSA1_HUMAN	Proteasome subunit alpha type-1	PSMA1
Cells	sp	P26006	ITA3_HUMAN	Integrin alpha-3	ITGA3
Cells	sp	P26368	U2AF2_HUMAN	Splicing factor U2AF 65 kDa subunit	U2AF2
Cells	sp	P26373	RL13_HUMAN	60S ribosomal protein L13	RPL13
Cells	sp	P26440	IVD_HUMAN	Isovaleryl-CoA dehydrogenase, mitochondrial	IVD
Cells	sp	P26583	HMG2_HUMAN	High mobility group protein B2	HMG2
Cells	sp	P26599	PTBP1_HUMAN	Polypyrimidine tract-binding protein 1	PTBP1
Cells	sp	P26639	SYTC_HUMAN	Threonine-tRNA ligase 1, cytoplasmic	TARS1
Cells	sp	P26885	FKBP2_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP2	FKBP2
Cells	sp	P27694	RFA1_HUMAN	Replication protein A 70 kDa DNA-binding subunit	RPA1
Cells	sp	P27695	APEX1_HUMAN	DNA-(apurinic or apyrimidinic site) lyase	APEX1
Cells	sp	P27797	CALR_HUMAN	Calreticulin	CALR
Cells	sp	P27816	MAP4_HUMAN	Microtubule-associated protein 4	MAP4
Cells	sp	P27824	CALX_HUMAN	Calnexin	CANX
Cells	sp	P28062	PSB8_HUMAN	Proteasome subunit beta type-8	PSMB8
Cells	sp	P28074	PSB5_HUMAN	Proteasome subunit beta type-5	PSMB5
Cells	sp	P28331	NDUS1_HUMAN	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	NDUFS1
Cells	sp	P28482	MK01_HUMAN	Mitogen-activated protein kinase 1	MAPK1
Cells	sp	P28838	AMPL_HUMAN	Cytosol aminopeptidase	LAP3
Cells	sp	P29218	IMPA1_HUMAN	Inositol monophosphatase 1	IMPA1
Cells	sp	P29317	EPHA2_HUMAN	Ephrin type-A receptor 2	EPHA2
Cells	sp	P29692	EF1D_HUMAN	Elongation factor 1-delta	EEF1D
Cells	sp	P29966	MARCS_HUMAN	Myristoylated alanine-rich C-kinase substrate	MARCKS
Cells	sp	P30040	ERP29_HUMAN	Endoplasmic reticulum resident protein 29	ERP29
Cells	sp	P30041	PRDX6_HUMAN	Peroxiredoxin-6	PRDX6
Cells	sp	P30043	BLVRB_HUMAN	Flavin reductase (NADPH)	BLVRB
Cells	sp	P30044	PRDX5_HUMAN	Peroxiredoxin-5, mitochondrial	PRDX5
Cells	sp	P30046	DOPD_HUMAN	D-dopachrome decarboxylase	DDT
Cells	sp	P30048	PRDX3_HUMAN	Thioredoxin-dependent peroxide reductase, mitochondrial	PRDX3
Cells	sp	P30049	ATPD_HUMAN	ATP synthase subunit delta, mitochondrial	ATP5F1D
Cells	sp	P30050	RL12_HUMAN	60S ribosomal protein L12	RPL12
Cells	sp	P30084	ECHM_HUMAN	Enoyl-CoA hydratase, mitochondrial	ECHS1
Cells	sp	P30085	KCY_HUMAN	UMP-CMP kinase	CMPK1
Cells	sp	P30101	PDIA3_HUMAN	Protein disulfide-isomerase A3	PDIA3
Cells	sp	P30405	PPIF_HUMAN	Peptidyl-prolyl cis-trans isomerase F, mitochondrial	PPIF
Cells	sp	P30419	NMT1_HUMAN	Glycylpeptide N-tetradecanoyltransferase 1	NMT1
Cells	sp	P30533	AMRP_HUMAN	Alpha-2-macroglobulin receptor-associated protein	LRPAP1
Cells	sp	P30626	SORCN_HUMAN	Sorcin	SRI
Cells	sp	P30740	ILEU_HUMAN	Leukocyte elastase inhibitor	SERPINB1
Cells	sp	P30825	SL7A1_HUMAN	High affinity cationic amino acid transporter 1	SLC7A1
Cells	sp	P30837	AL1B1_HUMAN	Aldehyde dehydrogenase X, mitochondrial	ALDH1B1
Cells	sp	P31040	SDHA_HUMAN	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial	SDHA
Cells	sp	P31153	METK2_HUMAN	S-adenosylmethionine synthase isoform type-2	MAT2A
Cells	sp	P31323	KAP3_HUMAN	cAMP-dependent protein kinase type II-beta regulatory subunit	PRKAR2B
Cells	sp	P31483	TIA1_HUMAN	Nucleolysin TIA-1 isoform p40	TIA1
Cells	sp	P31689	DNJA1_HUMAN	DnaJ homolog subfamily A member 1	DNAJA1
Cells	sp	P31930	QCR1_HUMAN	Cytochrome b-c1 complex subunit 1, mitochondrial	UQCRC1
Cells	sp	P31937	3H1DH_HUMAN	3-hydroxyisobutyrate dehydrogenase, mitochondrial	HIBADH
Cells	sp	P31939	PUR9_HUMAN	Bifunctional purine biosynthesis protein PURH	ATIC
Cells	sp	P31942	HNRH3_HUMAN	Heterogeneous nuclear ribonucleoprotein H3	HNRNPH3
Cells	sp	P31943	HNRH1_HUMAN	Heterogeneous nuclear ribonucleoprotein H	HNRNPH1
Cells	sp	P31947	1433S_HUMAN	14-3-3 protein sigma	SFN
Cells	sp	P31948	STIP1_HUMAN	Stress-induced-phosphoprotein 1	STIP1
Cells	sp	P31949	S10AB_HUMAN	Protein S100-A11	S100A11

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Cells	sp	P33240	CSTF2_HUMAN	Cleavage stimulation factor subunit 2	CSTF2
Cells	sp	P33316	DUT_HUMAN	Deoxyuridine 5'-triphosphate nucleotidohydrolase, mitochondrial	DUT
Cells	sp	P34897	GLYM_HUMAN	Serine hydroxymethyltransferase, mitochondrial	SHMT2
Cells	sp	P34932	HSP74_HUMAN	Heat shock 70 kDa protein 4	HSPA4
Cells	sp	P35080	PROF2_HUMAN	Profilin-2	PFN2
Cells	sp	P35222	CTNB1_HUMAN	Catenin beta-1	CTNNB1
Cells	sp	P35232	PHB_HUMAN	Prohibitin	PHB
Cells	sp	P35237	SPB6_HUMAN	Serpin B6	SERPINB6
Cells	sp	P35244	RFA3_HUMAN	Replication protein A 14 kDa subunit	RPA3
Cells	sp	P35268	RL22_HUMAN	60S ribosomal protein L22	RPL22
Cells	sp	P35269	T2FA_HUMAN	General transcription factor IIF subunit 1	GTF2F1
Cells	sp	P35270	SPRE_HUMAN	Sepiapterin reductase	SPR
Cells	sp	P35606	COPB2_HUMAN	Coatomer subunit beta'	COPB2
Cells	sp	P35613	BASI_HUMAN	Basigin	BSG
Cells	sp	P35637	FUS_HUMAN	RNA-binding protein FUS	FUS
Cells	sp	P35659	DEK_HUMAN	Protein DEK	DEK
Cells	sp	P35914	HMGCL_HUMAN	Hydroxymethylglutaryl-CoA lyase, mitochondrial	HMGCL
Cells	sp	P36405	ARL3_HUMAN	ADP-ribosylation factor-like protein 3	ARL3
Cells	sp	P36578	RL4_HUMAN	60S ribosomal protein L4	RPL4
Cells	sp	P36873	PP1G_HUMAN	Serine/threonine-protein phosphatase PP1-gamma catalytic subunit	PPP1CC
Cells	sp	P36957	ODO2_HUMAN	Dihydropyridyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial	DLST
Cells	sp	P37108	SRP14_HUMAN	Signal recognition particle 14 kDa protein	SRP14
Cells	sp	P37837	TALDO_HUMAN	Transaldolase	TALDO1
Cells	sp	P38117	ETFB_HUMAN	Electron transfer flavoprotein subunit beta	ETFB
Cells	sp	P38159	RBMX_HUMAN	RNA-binding motif protein, X chromosome	RBMX
Cells	sp	P38405	GNAL_HUMAN	Guanine nucleotide-binding protein G(olf) subunit alpha	GNAL
Cells	sp	P38646	GRP75_HUMAN	Stress-70 protein, mitochondrial	HSPA9
Cells	sp	P38919	IF4A3_HUMAN	Eukaryotic initiation factor 4A-III	EIF4A3
Cells	sp	P39019	RS19_HUMAN	40S ribosomal protein S19	RPS19
Cells	sp	P39023	RL3_HUMAN	60S ribosomal protein L3	RPL3
Cells	sp	P39656	OST48_HUMAN	Dolichyl-diphosphooligosaccharide-protein glycosyltransferase 48 kDa subunit	DDOST
Cells	sp	P39687	ANP32A_HUMAN	Acidic leucine-rich nuclear phosphoprotein 32 family member A	ANP32A
Cells	sp	P40121	CAPG_HUMAN	Macrophage-capping protein	CAPG
Cells	sp	P40429	RL13A_HUMAN	60S ribosomal protein L13a	RPL13A
Cells	sp	P40855	PEX19_HUMAN	Peroxisomal biogenesis factor 19	PEX19
Cells	sp	P40925	MDHC_HUMAN	Malate dehydrogenase, cytoplasmic	MDH1
Cells	sp	P40926	MDHM_HUMAN	Malate dehydrogenase, mitochondrial	MDH2
Cells	sp	P40939	ECHA_HUMAN	Trifunctional enzyme subunit alpha, mitochondrial	HADHA
Cells	sp	P41223	BUD31_HUMAN	Protein BUD31 homolog	BUD31
Cells	sp	P41236	IPP2_HUMAN	Protein phosphatase inhibitor 2	PPP1R2
Cells	sp	P41567	EIF1_HUMAN	Eukaryotic translation initiation factor 1	EIF1
Cells	sp	P42126	EC11_HUMAN	Enoyl-CoA delta isomerase 1, mitochondrial	EC11
Cells	sp	P42166	LAP2A_HUMAN	Lamina-associated polypeptide 2, isoform alpha	TMPO
Cells	sp	P42766	RL35_HUMAN	60S ribosomal protein L35	RPL35
Cells	sp	P42785	PCP_HUMAN	Lysosomal Pro-X carboxypeptidase	PRCP
Cells	sp	P42892	ECE1_HUMAN	Endothelin-converting enzyme 1	ECE1
Cells	sp	P43034	LIS1_HUMAN	Platelet-activating factor acetylhydrolase IB subunit alpha	PAFAH1B1
Cells	sp	P43243	MATR3_HUMAN	Matrin-3	MATR3
Cells	sp	P43307	SSRA_HUMAN	Translocon-associated protein subunit alpha	SSR1
Cells	sp	P43487	RANG_HUMAN	Ran-specific GTPase-activating protein	RANBP1
Cells	sp	P43686	PR56B_HUMAN	26S proteasome regulatory subunit 6B	PSMC4
Cells	sp	P45973	CBX5_HUMAN	Chromobox protein homolog 5	CBX5
Cells	sp	P45974	UBP5_HUMAN	Ubiquitin carboxyl-terminal hydrolase 5	USP5
Cells	sp	P46063	RECQ1_HUMAN	ATP-dependent DNA helicase Q1	RECQL
Cells	sp	P46087	NOP2_HUMAN	Probable 28S rRNA (cytosine(4447)-C(5))-methyltransferase	NOP2
Cells	sp	P46108	CRK_HUMAN	Adapter molecule crk	CRK
Cells	sp	P46109	CRKL_HUMAN	Crk-like protein	CRKL
Cells	sp	P46379	BAG6_HUMAN	Large proline-rich protein BAG6	BAG6
Cells	sp	P46777	RL5_HUMAN	60S ribosomal protein L5	RPL5
Cells	sp	P46778	RL21_HUMAN	60S ribosomal protein L21	RPL21
Cells	sp	P46781	RS9_HUMAN	40S ribosomal protein S9	RPS9
Cells	sp	P46782	RS5_HUMAN	40S ribosomal protein S5	RPS5
Cells	sp	P46783	RS10_HUMAN	40S ribosomal protein S10	RPS10
Cells	sp	P46926	GNP11_HUMAN	Glucosamine-6-phosphate isomerase 1	GNPDA1
Cells	sp	P46937	YAP1_HUMAN	Transcriptional coactivator YAP1	YAP1
Cells	sp	P46976	GLYG_HUMAN	Glycogenin-1	GYG1
Cells	sp	P47755	CAZA2_HUMAN	F-actin-capping protein subunit alpha-2	CAPZA2
Cells	sp	P47756	CAPZB_HUMAN	F-actin-capping protein subunit beta	CAPZB
Cells	sp	P47813	IF1AX_HUMAN	Eukaryotic translation initiation factor 1A, X-chromosomal	EIF1AX
Cells	sp	P47895	AL1A3_HUMAN	Aldehyde dehydrogenase family 1 member A3	ALDH1A3
Cells	sp	P47914	RL29_HUMAN	60S ribosomal protein L29	RPL29
Cells	sp	P47985	UCRI_HUMAN	Cytochrome b-c1 complex subunit Rieske, mitochondrial	UQCRCF51
Cells	sp	P48047	ATPO_HUMAN	ATP synthase subunit O, mitochondrial	ATP5PO
Cells	sp	P48147	PPCE_HUMAN	Prolyl endopeptidase	PREP
Cells	sp	P48444	COPD_HUMAN	Coatomer subunit delta	ARCN1
Cells	sp	P48556	PSMD8_HUMAN	26S proteasome non-ATPase regulatory subunit 8	PSMD8
Cells	sp	P48637	GSHB_HUMAN	Glutathione synthetase	GSS
Cells	sp	P48643	TCPE_HUMAN	T-complex protein 1 subunit epsilon	CCTS
Cells	sp	P48735	IDHP_HUMAN	Isocitrate dehydrogenase [NADP], mitochondrial	IDH2
Cells	sp	P48739	PIPNB_HUMAN	Phosphatidylinositol transfer protein beta isoform	PIPTNB
Cells	sp	P49006	MRP_HUMAN	MARCKS-related protein	MARCKSL1
Cells	sp	P49023	PAXI_HUMAN	Paxillin	PXN
Cells	sp	P49189	AL9A1_HUMAN	4-trimethylaminobutyraldehyde dehydrogenase	ALDH9A1
Cells	sp	P49321	NASP_HUMAN	Nuclear autoantigenic sperm protein	NASP
Cells	sp	P49366	DHYS_HUMAN	Deoxyhypusine synthase	DHPS
Cells	sp	P49406	RM19_HUMAN	39S ribosomal protein L19, mitochondrial	MRPL19
Cells	sp	P49411	EFTU_HUMAN	Elongation factor Tu, mitochondrial	TUFM
Cells	sp	P49419	AL7A1_HUMAN	Alpha-aminoadipic semialdehyde dehydrogenase	ALDH7A1
Cells	sp	P49448	DHE4_HUMAN	Glutamate dehydrogenase 2, mitochondrial	GLUD2
Cells	sp	P49458	SRP09_HUMAN	Signal recognition particle 9 kDa protein	SRP9

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Cells	sp	P49588	SYAC_HUMAN	Alanine-tRNA ligase, cytoplasmic	AAARS1
Cells	sp	P49589	SYCC_HUMAN	Cysteine-tRNA ligase, cytoplasmic	CARS1
Cells	sp	P49591	SYSC_HUMAN	Serine-tRNA ligase, cytoplasmic	SARS1
Cells	sp	P49720	PSB3_HUMAN	Proteasome subunit beta type-3	PSMB3
Cells	sp	P49721	PSB2_HUMAN	Proteasome subunit beta type-2	PSMB2
Cells	sp	P49755	TMEDA_HUMAN	Transmembrane emp24 domain-containing protein 10	TMED10
Cells	sp	P49773	HINT1_HUMAN	Histidine triad nucleotide-binding protein 1	HINT1
Cells	sp	P49821	NDUV1_HUMAN	NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial	NDUFV1
Cells	sp	P49903	SPS1_HUMAN	Selenide, water dikinase 1	SEPHS1
Cells	sp	P49914	MTHFS_HUMAN	5-formyltetrahydrofolate cyclo-ligase	MTHFS
Cells	sp	P49959	MRE11_HUMAN	Double-strand break repair protein MRE11	MRE11
Cells	sp	P50213	IDH3A_HUMAN	Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial	IDH3A
Cells	sp	P50402	EMD_HUMAN	Emerin	EMD
Cells	sp	P50452	SPB8_HUMAN	Serpin B8	SERPINB8
Cells	sp	P50454	SERPH_HUMAN	Serpin H1	SERPINH1
Cells	sp	P50502	F10A1_HUMAN	Hsc70-interacting protein	ST13
Cells	sp	P50552	VASP_HUMAN	Vasodilator-stimulated phosphoprotein	VASP
Cells	sp	P50895	BCAM_HUMAN	Basal cell adhesion molecule	BCAM
Cells	sp	P50897	PPT1_HUMAN	Palmitoyl-protein thioesterase 1	PPT1
Cells	sp	P50914	RL14_HUMAN	60S ribosomal protein L14	RPL14
Cells	sp	P50990	TCPO_HUMAN	T-complex protein 1 subunit theta	CCT8
Cells	sp	P50993	AT1A2_HUMAN	Sodium/potassium-transporting ATPase subunit alpha-2	ATP1A2
Cells	sp	P50995	ANX11_HUMAN	Annexin A11	ANXA11
Cells	sp	P51148	RAB5C_HUMAN	Ras-related protein Rab-5C	RAB5C
Cells	sp	P51149	RAB7A_HUMAN	Ras-related protein Rab-7a	RAB7A
Cells	sp	P51153	RAB13_HUMAN	Ras-related protein Rab-13	RAB13
Cells	sp	P51398	RT29_HUMAN	28S ribosomal protein S29, mitochondrial	DAP3
Cells	sp	P51571	SSRD_HUMAN	Translocon-associated protein subunit delta	SSR4
Cells	sp	P51572	BAP31_HUMAN	B-cell receptor-associated protein 31	BCAP31
Cells	sp	P51648	AL3A2_HUMAN	Aldehyde dehydrogenase family 3 member A2	ALDH3A2
Cells	sp	P51659	DHB4_HUMAN	Peroxisomal multifunctional enzyme type 2	HSD17B4
Cells	sp	P51665	PSMD7_HUMAN	26S proteasome non-ATPase regulatory subunit 7	PSMD7
Cells	sp	P51858	HDFG_HUMAN	Hepatoma-derived growth factor	HDFG
Cells	sp	P51970	NDUA8_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 8	NDUFA8
Cells	sp	P51991	ROA3_HUMAN	Heterogeneous nuclear ribonucleoprotein A3	HNRNPA3
Cells	sp	P52272	HNRPM_HUMAN	Heterogeneous nuclear ribonucleoprotein M	HNRNPM
Cells	sp	P52434	RPAB3_HUMAN	DNA-directed RNA polymerases I, II, and III subunit RPABC3	POLR2H
Cells	sp	P52565	GDIR1_HUMAN	Rho GDP-dissociation inhibitor 1	ARHGDI1A
Cells	sp	P52597	HNRPF_HUMAN	Heterogeneous nuclear ribonucleoprotein F	HNRNPF
Cells	sp	P52758	RIDA_HUMAN	2-iminobutanoate/2-iminopropanoate deaminase	RIDA
Cells	sp	P52788	SPSY_HUMAN	Spermine synthase	SMS
Cells	sp	P52815	RM12_HUMAN	39S ribosomal protein L12, mitochondrial	MRP12
Cells	sp	P52907	CAZA1_HUMAN	F-actin-capping protein subunit alpha-1	CAPZA1
Cells	sp	P52926	HMGA2_HUMAN	High mobility group protein HMGI-C	HMGA2
Cells	sp	P53367	ARFP1_HUMAN	Arfaptin-1	ARFP1
Cells	sp	P53582	MAP11_HUMAN	Methionine aminopeptidase 1	METAP1
Cells	sp	P53634	CATC_HUMAN	Dipeptidyl peptidase 1	CTSC
Cells	sp	P53999	TCP4_HUMAN	Activated RNA polymerase II transcriptional coactivator p15	SUB1
Cells	sp	P54105	ICLN_HUMAN	Methylosome subunit pICln	CLNS1A
Cells	sp	P54577	SYYC_HUMAN	Tyrosine-tRNA ligase, cytoplasmic	YARS1
Cells	sp	P54578	UBP14_HUMAN	Ubiquitin carboxyl-terminal hydrolase 14	USP14
Cells	sp	P54709	AT1B3_HUMAN	Sodium/potassium-transporting ATPase subunit beta-3	ATP1B3
Cells	sp	P54725	RD23A_HUMAN	UV excision repair protein RAD23 homolog A	RAD23A
Cells	sp	P54727	RD23B_HUMAN	UV excision repair protein RAD23 homolog B	RAD23B
Cells	sp	P54819	KAD2_HUMAN	Adenylate kinase 2, mitochondrial	AK2
Cells	sp	P55010	IFS_HUMAN	Eukaryotic translation initiation factor 5	EIF5
Cells	sp	P55036	PSMD4_HUMAN	26S proteasome non-ATPase regulatory subunit 4	PSMD4
Cells	sp	P55084	ECHB_HUMAN	Trifunctional enzyme subunit beta, mitochondrial	HADHB
Cells	sp	P55145	MANF_HUMAN	Mesencephalic astrocyte-derived neurotrophic factor	MANF
Cells	sp	P55263	ADK_HUMAN	Adenosine kinase	ADK
Cells	sp	P55327	TPD52_HUMAN	Tumor protein D52	TPD52
Cells	sp	P55769	NH2L1_HUMAN	NHP2-like protein 1	SNU13
Cells	sp	P55795	HNRH2_HUMAN	Heterogeneous nuclear ribonucleoprotein H2	HNRNPH2
Cells	sp	P55809	SCOT1_HUMAN	Succinyl-CoA:3-ketoacid coenzyme A transferase 1, mitochondrial	OXCT1
Cells	sp	P55854	SUMO3_HUMAN	Small ubiquitin-related modifier 3	SUMO3
Cells	sp	P56134	ATPK_HUMAN	ATP synthase subunit f, mitochondrial	ATPSMF
Cells	sp	P56211	ARP19_HUMAN	cAMP-regulated phosphoprotein 19	ARPP19
Cells	sp	P56381	ATP5E_HUMAN	ATP synthase subunit epsilon, mitochondrial	ATP5F1E
Cells	sp	P56385	ATP5I_HUMAN	ATP synthase subunit e, mitochondrial	ATP5ME
Cells	sp	P56537	IF6_HUMAN	Eukaryotic translation initiation factor 6	EIF6
Cells	sp	P56545	CTBP2_HUMAN	C-terminal-binding protein 2	CTBP2
Cells	sp	P57721	PCBP3_HUMAN	Poly(rC)-binding protein 3	PCBP3
Cells	sp	P58546	MTPN_HUMAN	Myotrophin	MTPN
Cells	sp	P59190	RAB15_HUMAN	Ras-related protein Rab-15	RAB15
Cells	sp	P59998	ARPC4_HUMAN	Actin-related protein 2/3 complex subunit 4	ARPC4
Cells	sp	P60660	MYL6_HUMAN	Myosin light polypeptide 6	MYL6
Cells	sp	P60763	RAC3_HUMAN	Ras-related C3 botulinum toxin substrate 3	RAC3
Cells	sp	P60866	RS20_HUMAN	40S ribosomal protein S20	RPS20
Cells	sp	P60891	PRPS1_HUMAN	Ribose-phosphate pyrophosphokinase 1	PRPS1
Cells	sp	P60903	S10AA_HUMAN	Protein S100-A10	S100A10
Cells	sp	P60953	CDC42_HUMAN	Cell division control protein 42 homolog	CDC42
Cells	sp	P61006	RAB8A_HUMAN	Ras-related protein Rab-8A	RAB8A
Cells	sp	P61011	SRP54_HUMAN	Signal recognition particle 54 kDa protein	SRP54
Cells	sp	P61018	RAB4B_HUMAN	Ras-related protein Rab-4B	RAB4B
Cells	sp	P61019	RAB2A_HUMAN	Ras-related protein Rab-2A	RAB2A
Cells	sp	P61020	RAB5B_HUMAN	Ras-related protein Rab-5B	RAB5B
Cells	sp	P61026	RAB10_HUMAN	Ras-related protein Rab-10	RAB10
Cells	sp	P61086	UBE2K_HUMAN	Ubiquitin-conjugating enzyme E2 K	UBE2K
Cells	sp	P61088	UBE2N_HUMAN	Ubiquitin-conjugating enzyme E2 N	UBE2N
Cells	sp	P61106	RAB14_HUMAN	Ras-related protein Rab-14	RAB14

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Cells	sp	P61158	ARP3_HUMAN	Actin-related protein 3	ACTR3
Cells	sp	P61160	ARP2_HUMAN	Actin-related protein 2	ACTR2
Cells	sp	P61163	ACTZ_HUMAN	Alpha-centractin	ACTR1A
Cells	sp	P61204	ARF3_HUMAN	ADP-ribosylation factor 3	ARF3
Cells	sp	P61225	RAP2B_HUMAN	Ras-related protein Rap-2b	RAP2B
Cells	sp	P61247	RS3A_HUMAN	40S ribosomal protein S3a	RPS3A
Cells	sp	P61254	RL26_HUMAN	60S ribosomal protein L26	RPL26
Cells	sp	P61289	PSME3_HUMAN	Proteasome activator complex subunit 3	PSME3
Cells	sp	P61313	RL15_HUMAN	60S ribosomal protein L15	RPL15
Cells	sp	P61326	MGN_HUMAN	Protein mago nashi homolog	MAGOH
Cells	sp	P61353	RL27_HUMAN	60S ribosomal protein L27	RPL27
Cells	sp	P61586	RHOA_HUMAN	Transforming protein RhoA	RHOA
Cells	sp	P61604	CH10_HUMAN	10 kDa heat shock protein, mitochondrial	HSPE1
Cells	sp	P61758	PF3D3_HUMAN	Prefoldin subunit 3	VBP1
Cells	sp	P61803	DAD1_HUMAN	Dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit DAD1	DAD1
Cells	sp	P61923	COP21_HUMAN	Coatomer subunit zeta-1	COP21
Cells	sp	P61956	SUMO2_HUMAN	Small ubiquitin-related modifier 2	SUMO2
Cells	sp	P61960	UFM1_HUMAN	Ubiquitin-fold modifier 1	UFM1
Cells	sp	P61964	WDR5_HUMAN	WD repeat-containing protein 5	WDR5
Cells	sp	P61970	NTF2_HUMAN	Nuclear transport factor 2	NTF2
Cells	sp	P61978	HNRPK_HUMAN	Heterogeneous nuclear ribonucleoprotein K	HNRNPK
Cells	sp	P62081	RS7_HUMAN	40S ribosomal protein S7	RPS7
Cells	sp	P62136	PP1A_HUMAN	Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	PPP1CA
Cells	sp	P62140	PP1B_HUMAN	Serine/threonine-protein phosphatase PP1-beta catalytic subunit	PPP1CB
Cells	sp	P62191	PRS4_HUMAN	26S proteasome regulatory subunit 4	PSMC1
Cells	sp	P62249	RS16_HUMAN	40S ribosomal protein S16	RPS16
Cells	sp	P62263	RS14_HUMAN	40S ribosomal protein S14	RPS14
Cells	sp	P62269	RS18_HUMAN	40S ribosomal protein S18	RPS18
Cells	sp	P62273	RS29_HUMAN	40S ribosomal protein S29	RPS29
Cells	sp	P62277	RS13_HUMAN	40S ribosomal protein S13	RPS13
Cells	sp	P62304	RUXE_HUMAN	Small nuclear ribonucleoprotein E	SNRPE
Cells	sp	P62306	RUXF_HUMAN	Small nuclear ribonucleoprotein F	SNRPF
Cells	sp	P62308	RUXG_HUMAN	Small nuclear ribonucleoprotein G	SNRPG
Cells	sp	P62310	LSM3_HUMAN	U6 snRNA-associated Sm-like protein LSm3	LSM3
Cells	sp	P62312	LSM6_HUMAN	U6 snRNA-associated Sm-like protein LSm6	LSM6
Cells	sp	P62314	SMD1_HUMAN	Small nuclear ribonucleoprotein Sm D1	SNRPD1
Cells	sp	P62316	SMD2_HUMAN	Small nuclear ribonucleoprotein Sm D2	SNRPD2
Cells	sp	P62318	SMD3_HUMAN	Small nuclear ribonucleoprotein Sm D3	SNRPD3
Cells	sp	P62328	TYB4_HUMAN	Thymosin beta-4	TMSB4X
Cells	sp	P62424	RL7A_HUMAN	60S ribosomal protein L7a	RPL7A
Cells	sp	P62491	RB11A_HUMAN	Ras-related protein Rab-11A	RAB11A
Cells	sp	P62714	PP2AB_HUMAN	Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform	PPP2CB
Cells	sp	P62750	RL23A_HUMAN	60S ribosomal protein L23a	RPL23A
Cells	sp	P62820	RAB1A_HUMAN	Ras-related protein Rab-1A	RAB1A
Cells	sp	P62829	RL23_HUMAN	60S ribosomal protein L23	RPL23
Cells	sp	P62841	RS15_HUMAN	40S ribosomal protein S15	RPS15
Cells	sp	P62847	RS24_HUMAN	40S ribosomal protein S24	RPS24
Cells	sp	P62851	RS25_HUMAN	40S ribosomal protein S25	RPS25
Cells	sp	P62857	RS28_HUMAN	40S ribosomal protein S28	RPS28
Cells	sp	P62873	GNB1_HUMAN	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	GNB1
Cells	sp	P62879	GNB2_HUMAN	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	GNB2
Cells	sp	P62888	RL30_HUMAN	60S ribosomal protein L30	RPL30
Cells	sp	P62906	RL10A_HUMAN	60S ribosomal protein L10a	RPL10A
Cells	sp	P62910	RL32_HUMAN	60S ribosomal protein L32	RPL32
Cells	sp	P62913	RL11_HUMAN	60S ribosomal protein L11	RPL11
Cells	sp	P62917	RL8_HUMAN	60S ribosomal protein L8	RPL8
Cells	sp	P62942	FKBP1A_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP1A	FKBP1A
Cells	sp	P62993	GRB2_HUMAN	Growth factor receptor-bound protein 2	GRB2
Cells	sp	P62995	TRA2B_HUMAN	Transformer-2 protein homolog beta	TRA2B
Cells	sp	P63000	RAC1_HUMAN	Ras-related C3 botulinum toxin substrate 1	RAC1
Cells	sp	P63027	VAMP2_HUMAN	Vesicle-associated membrane protein 2	VAMP2
Cells	sp	P63096	GNAI1_HUMAN	Guanine nucleotide-binding protein G(i) subunit alpha-1	GNAI1
Cells	sp	P63162	RSMN_HUMAN	Small nuclear ribonucleoprotein-associated protein N	SNRPN
Cells	sp	P63165	SUMO1_HUMAN	Small ubiquitin-related modifier 1	SUMO1
Cells	sp	P63172	DYLT1_HUMAN	Dynein light chain Tctex-type1	DYNTL1
Cells	sp	P63173	RL38_HUMAN	60S ribosomal protein L38	RPL38
Cells	sp	P63208	SKP1_HUMAN	S-phase kinase-associated protein 1	SKP1
Cells	sp	P63220	RS21_HUMAN	40S ribosomal protein S21	RPS21
Cells	sp	P63241	IF5A1_HUMAN	Eukaryotic translation initiation factor 5A-1	EIF5A
Cells	sp	P63244	RACK1_HUMAN	Receptor of activated protein C kinase 1	RACK1
Cells	sp	P63279	UBC9_HUMAN	SUMO-conjugating enzyme UBC9	UBE2I
Cells	sp	P67775	PP2AA_HUMAN	Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	PPP2CA
Cells	sp	P67809	YBOX1_HUMAN	Y-box-binding protein 1	YBX1
Cells	sp	P67870	CSK2B_HUMAN	Casein kinase II subunit beta	CSNK2B
Cells	sp	P67936	TPM4_HUMAN	Tropomyosin alpha-4 chain	TPM4
Cells	sp	P68036	UBE2L3_HUMAN	Ubiquitin-conjugating enzyme E2 L3	UBE2L3
Cells	sp	P68400	CSK21_HUMAN	Casein kinase II subunit alpha	CSNK2A1
Cells	sp	P68402	PA1B2_HUMAN	Platelet-activating factor acetylhydrolase IB subunit beta	PAFAH1B2
Cells	sp	P68431	H31_HUMAN	Histone H3.1	H3C4
Cells	sp	P69849	NOMO3_HUMAN	Nodal modulator 3	NOMO3
Cells	sp	P78318	IGBP1_HUMAN	Immunoglobulin-binding protein 1	IGBP1
Cells	sp	P78330	SERB_HUMAN	Phosphoserine phosphatase	PSPH
Cells	sp	P78406	RAE1L_HUMAN	mRNA export factor	RAE1
Cells	sp	P78417	GSTO1_HUMAN	Glutathione S-transferase omega-1	GSTO1
Cells	sp	P80303	NUCB2_HUMAN	Nucleobindin-2	NUCB2
Cells	sp	P80723	BASP1_HUMAN	Brain acid soluble protein 1	BASP1
Cells	sp	P82650	RT22_HUMAN	28S ribosomal protein S22, mitochondrial	MRPS22
Cells	sp	P82909	RT36_HUMAN	28S ribosomal protein S36, mitochondrial	MRPS36
Cells	sp	P82979	SARNP_HUMAN	SAP domain-containing ribonucleoprotein	SARNP
Cells	sp	P83916	CBX1_HUMAN	Chromobox protein homolog 1	CBX1

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Cells	sp	P84077	ARF1_HUMAN	ADP-ribosylation factor 1	ARF1
Cells	sp	P84085	ARF5_HUMAN	ADP-ribosylation factor 5	ARF5
Cells	sp	P84090	ERH_HUMAN	Enhancer of rudimentary homolog	ERH
Cells	sp	P84103	SRSF3_HUMAN	Serine/arginine-rich splicing factor 3	SRSF3
Cells	sp	P84243	H33_HUMAN	Histone H3.3	H3-3B
Cells	sp	P98175	RBM10_HUMAN	RNA-binding protein 10	RBM10
Cells	sp	P98179	RBM3_HUMAN	RNA-binding protein 3	RBM3
Cells	sp	P99999	CYC_HUMAN	Cytochrome c	CYC5
Cells	sp	Q00059	TFAM_HUMAN	Transcription factor A, mitochondrial	TFAM
Cells	sp	Q00169	PIPNA_HUMAN	Phosphatidylinositol transfer protein alpha isoform	PIPNA
Cells	sp	Q00688	FKBP3_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP3	FKBP3
Cells	sp	Q00765	REEP5_HUMAN	Receptor expression-enhancing protein 5	REEP5
Cells	sp	Q00796	DHSO_HUMAN	Sorbitol dehydrogenase	SORD
Cells	sp	Q00839	HNRNP_U	Heterogeneous nuclear ribonucleoprotein U	HNRNP_U
Cells	sp	Q01081	U2AF1_HUMAN	Splicing factor U2AF 35 kDa subunit	U2AF1
Cells	sp	Q01082	SPTB2_HUMAN	Spectrin beta chain, non-erythrocytic 1	SPTBN1
Cells	sp	Q01085	TIAR_HUMAN	Nucleolysin TIAR	TIAL1
Cells	sp	Q01105	SET_HUMAN	Protein SET	SET
Cells	sp	Q01130	SRSF2_HUMAN	Serine/arginine-rich splicing factor 2	SRSF2
Cells	sp	Q01469	FABP5_HUMAN	Fatty acid-binding protein 5	FABP5
Cells	sp	Q01628	IFM3_HUMAN	Interferon-induced transmembrane protein 3	IFITM3
Cells	sp	Q01629	IFM2_HUMAN	Interferon-induced transmembrane protein 2	IFITM2
Cells	sp	Q01650	LAT1_HUMAN	Large neutral amino acids transporter small subunit 1	SLC7A5
Cells	sp	Q01658	NC2B_HUMAN	Protein Dr1	DR1
Cells	sp	Q01813	PFKP_HUMAN	ATP-dependent 6-phosphofructokinase, platelet type	PFKP
Cells	sp	Q01844	EWS_HUMAN	RNA-binding protein EWS	EWSR1
Cells	sp	Q02127	PYRD_HUMAN	Dihydropyridine dehydrogenase (quinone), mitochondrial	DHODH
Cells	sp	Q02218	ODO1_HUMAN	2-oxoglutarate dehydrogenase, mitochondrial	OGDH
Cells	sp	Q02539	H11_HUMAN	Histone H1.1	H1-1
Cells	sp	Q02790	FKBP4_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP4	FKBP4
Cells	sp	Q02818	NUCB1_HUMAN	Nucleobindin-1	NUCB1
Cells	sp	Q02878	RL6_HUMAN	60S ribosomal protein L6	RPL6
Cells	sp	Q03113	GNA12_HUMAN	Guanine nucleotide-binding protein subunit alpha-12	GNA12
Cells	sp	Q03135	CAV1_HUMAN	Caveolin-1	CAV1
Cells	sp	Q03154	ACY1_HUMAN	Aminoacylase-1	ACY1
Cells	sp	Q03252	LMNB2_HUMAN	Lamin-B2	LMNB2
Cells	sp	Q04323	UBXN1_HUMAN	UBX domain-containing protein 1	UBXN1
Cells	sp	Q04446	GLGB_HUMAN	1,4-alpha-glucan-branching enzyme	GBE1
Cells	sp	Q04637	IF4G1_HUMAN	Eukaryotic translation initiation factor 4 gamma 1	EIF4G1
Cells	sp	Q04760	LGUL_HUMAN	Lactoylglutathione lyase	GLO1
Cells	sp	Q04837	SSBP_HUMAN	Single-stranded DNA-binding protein, mitochondrial	SSBP1
Cells	sp	Q04917	1433F_HUMAN	14-3-3 protein eta	YWHAH
Cells	sp	Q05048	CSTF1_HUMAN	Cleavage stimulation factor subunit 1	CSTF1
Cells	sp	Q05519	SRSF11_HUMAN	Serine/arginine-rich splicing factor 11	SRSF11
Cells	sp	Q05682	CALD1_HUMAN	Caldesmon	CALD1
Cells	sp	Q06203	PUR1_HUMAN	Amidophosphoribosyltransferase	PPAT
Cells	sp	Q06323	PSME1_HUMAN	Proteasome activator complex subunit 1	PSME1
Cells	sp	Q06481	APLP2_HUMAN	Amyloid-like protein 2	APLP2
Cells	sp	Q06787	FMR1_HUMAN	Synaptic functional regulator FMR1	FMR1
Cells	sp	Q07020	RL18_HUMAN	60S ribosomal protein L18	RPL18
Cells	sp	Q07021	C1QBP_HUMAN	Complement component 1 Q subcomponent-binding protein, mitochondrial	C1QBP
Cells	sp	Q07065	CKAP4_HUMAN	Cytoskeleton-associated protein 4	CKAP4
Cells	sp	Q07666	KHDR1_HUMAN	KH domain-containing, RNA-binding, signal transduction-associated protein 1	KHDRBS1
Cells	sp	Q07812	BAX_HUMAN	Apoptosis regulator BAX	BAX
Cells	sp	Q07955	SRSF1_HUMAN	Serine/arginine-rich splicing factor 1	SRSF1
Cells	sp	Q08043	ACTN3_HUMAN	Alpha-actinin-3	ACTN3
Cells	sp	Q08170	SRSF4_HUMAN	Serine/arginine-rich splicing factor 4	SRSF4
Cells	sp	Q08209	PP2BA_HUMAN	Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform	PPP3CA
Cells	sp	Q08752	PPID_HUMAN	Peptidyl-prolyl cis-trans isomerase D	PPID
Cells	sp	Q09028	RBBP4_HUMAN	Histone-binding protein RBBP4	RBBP4
Cells	sp	Q09666	AHNAK_HUMAN	Neuroblast differentiation-associated protein AHNAK	AHNAK
Cells	sp	Q10713	MPPA_HUMAN	Mitochondrial-processing peptidase subunit alpha	PMPCA
Cells	sp	Q12797	ASPH_HUMAN	Aspartyl/asparaginyl beta-hydroxylase	ASPH
Cells	sp	Q12874	SF3A3_HUMAN	Splicing factor 3A subunit 3	SF3A3
Cells	sp	Q12904	AIMP1_HUMAN	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1	AIMP1
Cells	sp	Q12905	ILF2_HUMAN	Interleukin enhancer-binding factor 2	ILF2
Cells	sp	Q12906	ILF3_HUMAN	Interleukin enhancer-binding factor 3	ILF3
Cells	sp	Q12907	LMAN2_HUMAN	Vesicular integral-membrane protein VIP36	LMAN2
Cells	sp	Q12972	PPP1R8_HUMAN	Nuclear inhibitor of protein phosphatase 1	PPP1R8
Cells	sp	Q13011	ECH1_HUMAN	Delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial	ECH1
Cells	sp	Q13151	ROA0_HUMAN	Heterogeneous nuclear ribonucleoprotein A0	HNRNPA0
Cells	sp	Q13162	PRDX4_HUMAN	Peroxisome oxidin-4	PRDX4
Cells	sp	Q13185	CBX3_HUMAN	Chromobox protein homolog 3	CBX3
Cells	sp	Q13242	SRSF9_HUMAN	Serine/arginine-rich splicing factor 9	SRSF9
Cells	sp	Q13243	SRSF5_HUMAN	Serine/arginine-rich splicing factor 5	SRSF5
Cells	sp	Q13247	SRSF6_HUMAN	Serine/arginine-rich splicing factor 6	SRSF6
Cells	sp	Q13283	G3BP1_HUMAN	Ras GTPase-activating protein-binding protein 1	G3BP1
Cells	sp	Q13310	PABP4_HUMAN	Polyadenylate-binding protein 4	PABPC4
Cells	sp	Q13347	EIF3_HUMAN	Eukaryotic translation initiation factor 3 subunit 1	EIF3
Cells	sp	Q13363	CTBP1_HUMAN	C-terminal-binding protein 1	CTBP1
Cells	sp	Q13404	UBE2V1_HUMAN	Ubiquitin-conjugating enzyme E2 variant 1	UBE2V1
Cells	sp	Q13405	MRPL49_HUMAN	39S ribosomal protein L49, mitochondrial	MRPL49
Cells	sp	Q13409	DYNC112_HUMAN	Cytoplasmic dynein 1 intermediate chain 2	DYNC112
Cells	sp	Q13428	TCOF1_HUMAN	Treacle protein	TCOF1
Cells	sp	Q13435	SF3B2_HUMAN	Splicing factor 3B subunit 2	SF3B2
Cells	sp	Q13438	OS9_HUMAN	Protein OS-9	OS9
Cells	sp	Q13442	HAP28_HUMAN	28 kDa heat- and acid-stable phosphoprotein	PDAP1
Cells	sp	Q13445	TMED1_HUMAN	Transmembrane emp24 domain-containing protein 1	TMED1
Cells	sp	Q13510	ASAH1_HUMAN	Acid ceramidase	ASAH1
Cells	sp	Q13526	PIN1_HUMAN	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1	PIN1

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Cells	sp	Q13541	4EBP1_HUMAN	Eukaryotic translation initiation factor 4E-binding protein 1	EIF4EBP1
Cells	sp	Q13561	DCTN2_HUMAN	Dynactin subunit 2	DCTN2
Cells	sp	Q13595	TRA2A_HUMAN	Transformer-2 protein homolog alpha	TRA2A
Cells	sp	Q13630	FCL_HUMAN	GDP-L-fucose synthase	TS1A3
Cells	sp	Q13641	TPBG_HUMAN	Trophoblast glycoprotein	TPBG
Cells	sp	Q13724	MOGS_HUMAN	Mannosyl-oligosaccharide glucosidase	MOGS
Cells	sp	Q13740	CD166_HUMAN	CD166 antigen	ALCAM
Cells	sp	Q13813	SPTN1_HUMAN	Spectrin alpha chain, non-erythrocytic 1	SPTAN1
Cells	sp	Q13838	DX39B_HUMAN	Spliceosome RNA helicase DDX39B	DDX39B
Cells	sp	Q13867	BLMH_HUMAN	Bleomycin hydrolase	BLMH
Cells	sp	Q13868	EXOS2_HUMAN	Exosome complex component RRP4	EXOSC2
Cells	sp	Q14011	CIRBP_HUMAN	Cold-inducible RNA-binding protein	CIRBP
Cells	sp	Q14103	HNRPD_HUMAN	Heterogeneous nuclear ribonucleoprotein D0	HNRNPD
Cells	sp	Q14108	SCRB2_HUMAN	Lysosome membrane protein 2	SCARB2
Cells	sp	Q14141	SEPT6_HUMAN	Septin-6	SEPTIN6
Cells	sp	Q14157	UBP2L_HUMAN	Ubiquitin-associated protein 2-like	UBAP2L
Cells	sp	Q14165	MLEC_HUMAN	Malectin	MLEC
Cells	sp	Q14166	TTL12_HUMAN	Tubulin-tyrosine ligase-like protein 12	TTL12
Cells	sp	Q14197	ICT1_HUMAN	Peptidyl-tRNA hydrolase ICT1, mitochondrial	MRPL58
Cells	sp	Q14247	SRC8_HUMAN	Src substrate cortactin	CTTN
Cells	sp	Q14320	FAM50A_HUMAN	Protein FAM50A	FAM50A
Cells	sp	Q14344	GNA13_HUMAN	Guanine nucleotide-binding protein subunit alpha-13	GNA13
Cells	sp	Q14444	CAPR1_HUMAN	Caprin-1	CAPRIN1
Cells	sp	Q14498	RBM39_HUMAN	RNA-binding protein 39	RBM39
Cells	sp	Q14651	PLS1_HUMAN	Plastin-1	PLS1
Cells	sp	Q14696	MESD_HUMAN	LRP chaperone MESD	MESD
Cells	sp	Q14697	GANAB_HUMAN	Neutral alpha-glucosidase AB	GANAB
Cells	sp	Q14764	MVP_HUMAN	Major vault protein	MVP
Cells	sp	Q14847	LASP1_HUMAN	LIM and SH3 domain protein 1	LASP1
Cells	sp	Q14914	PTGR1_HUMAN	Prostaglandin reductase 1	PTGR1
Cells	sp	Q14964	RB39A_HUMAN	Ras-related protein Rab-39A	RAB39A
Cells	sp	Q14978	NOLC1_HUMAN	Nucleolar and coiled-body phosphoprotein 1	NOLC1
Cells	sp	Q15006	EMC2_HUMAN	ER membrane protein complex subunit 2	EMC2
Cells	sp	Q15007	FL2D_HUMAN	Pre-mRNA-splicing regulator WTAP	WTAP
Cells	sp	Q15014	MO4L2_HUMAN	Mortality factor 4-like protein 2	MORF4L2
Cells	sp	Q15019	SEPT2_HUMAN	Septin-2	SEPTIN2
Cells	sp	Q15024	EXOS7_HUMAN	Exosome complex component RRP42	EXOSC7
Cells	sp	Q15029	USS1_HUMAN	116 kDa U5 small nuclear ribonucleoprotein component	EFTUD2
Cells	sp	Q15046	SYK_HUMAN	Lysine-tRNA ligase	KARS1
Cells	sp	Q15056	IF4H_HUMAN	Eukaryotic translation initiation factor 4H	EIF4H
Cells	sp	Q15059	BRD3_HUMAN	Bromodomain-containing protein 3	BRD3
Cells	sp	Q15067	ACOX1_HUMAN	Peroxisomal acyl-coenzyme A oxidase 1	ACOX1
Cells	sp	Q15084	PDIA6_HUMAN	Protein disulfide-isomerase A6	PDIA6
Cells	sp	Q15102	PA1B3_HUMAN	Platelet-activating factor acetylhydrolase IB subunit gamma	PAFAH1B3
Cells	sp	Q15121	PEA15_HUMAN	Astrocytic phosphoprotein PEA-15	PEA15
Cells	sp	Q15155	NOMO1_HUMAN	Nodal modulator 1	NOMO1
Cells	sp	Q15181	IPYR_HUMAN	Inorganic pyrophosphatase	PPA1
Cells	sp	Q15185	TEBP_HUMAN	Prostaglandin E synthase 3	PTGES3
Cells	sp	Q15233	NONO_HUMAN	Non-POU domain-containing octamer-binding protein	NONO
Cells	sp	Q15257	PTPA_HUMAN	Serine/threonine-protein phosphatase 2A activator	PTPA
Cells	sp	Q15286	RAB35_HUMAN	Ras-related protein Rab-35	RAB35
Cells	sp	Q15287	RNPS1_HUMAN	RNA-binding protein with serine-rich domain 1	RNPS1
Cells	sp	Q15293	RCN1_HUMAN	Reticulocalbin-1	RCN1
Cells	sp	Q15363	TMED2_HUMAN	Transmembrane emp24 domain-containing protein 2	TMED2
Cells	sp	Q15365	PCBP1_HUMAN	Poly(rC)-binding protein 1	PCBP1
Cells	sp	Q15366	PCBP2_HUMAN	Poly(rC)-binding protein 2	PCBP2
Cells	sp	Q15369	ELOC_HUMAN	Elongin-C	ELOC
Cells	sp	Q15370	ELOB_HUMAN	Elongin-B	ELOB
Cells	sp	Q15388	TOM20_HUMAN	Mitochondrial import receptor subunit TOM20 homolog	TOMM20
Cells	sp	Q15393	SF3B3_HUMAN	Splicing factor 3B subunit 3	SF3B3
Cells	sp	Q15404	RSU1_HUMAN	Ras suppressor protein 1	RSU1
Cells	sp	Q15427	SF3B4_HUMAN	Splicing factor 3B subunit 4	SF3B4
Cells	sp	Q15428	SF3A2_HUMAN	Splicing factor 3A subunit 2	SF3A2
Cells	sp	Q15435	PPP1R7_HUMAN	Protein phosphatase 1 regulatory subunit 7	PPP1R7
Cells	sp	Q15459	SF3A1_HUMAN	Splicing factor 3A subunit 1	SF3A1
Cells	sp	Q15631	TSN_HUMAN	Translin	TSN
Cells	sp	Q15637	SF01_HUMAN	Splicing factor 1	SF1
Cells	sp	Q15642	CIP4_HUMAN	Cdc42-interacting protein 4	TRIP10
Cells	sp	Q15651	HMG3_HUMAN	High mobility group nucleosome-binding domain-containing protein 3	HMG3
Cells	sp	Q15691	MARE1_HUMAN	Microtubule-associated protein RP/EB family member 1	MAPRE1
Cells	sp	Q15717	ELAV1_HUMAN	ELAV-like protein 1	ELAVL1
Cells	sp	Q15758	AAAT_HUMAN	Neutral amino acid transporter B(0)	SLC1A5
Cells	sp	Q15771	RAB30_HUMAN	Ras-related protein Rab-30	RAB30
Cells	sp	Q15785	TOM34_HUMAN	Mitochondrial import receptor subunit TOM34	TOMM34
Cells	sp	Q15819	UBE2V2_HUMAN	Ubiquitin-conjugating enzyme E2 variant 2	UBE2V2
Cells	sp	Q15836	VAMP3_HUMAN	Vesicle-associated membrane protein 3	VAMP3
Cells	sp	Q15843	NEDD8_HUMAN	NEDD8	NEDD8
Cells	sp	Q15907	RB11B_HUMAN	Ras-related protein Rab-11B	RAB11B
Cells	sp	Q15942	ZYX_HUMAN	Zyxin	ZYX
Cells	sp	Q16181	SEPT7_HUMAN	Septin-7	SEPTIN7
Cells	sp	Q16222	UAP1_HUMAN	UDP-N-acetylhexosamine pyrophosphorylase	UAP1
Cells	sp	Q16531	DDB1_HUMAN	DNA damage-binding protein 1	DDB1
Cells	sp	Q16543	CDC37_HUMAN	Hsp90 co-chaperone Cdc37	CDC37
Cells	sp	Q16563	SYPL1_HUMAN	Synaptophysin-like protein 1	SYPL1
Cells	sp	Q16576	RBBP7_HUMAN	Histone-binding protein RBBP7	RBBP7
Cells	sp	Q16595	FRDA_HUMAN	Frataxin, mitochondrial	FXN
Cells	sp	Q16629	SRSF7_HUMAN	Serine/arginine-rich splicing factor 7	SRSF7
Cells	sp	Q16630	CPSF6_HUMAN	Cleavage and polyadenylation specificity factor subunit 6	CPSF6
Cells	sp	Q16658	FSCN1_HUMAN	Fascin	FSCN1
Cells	sp	Q16695	H31T_HUMAN	Histone H3.1t	H3-4

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Cells	sp	Q16698	DECR_HUMAN	2,4-dienoyl-CoA reductase, mitochondrial	DECR1
Cells	sp	Q16718	NDUA5_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5	NDUFA5
Cells	sp	Q16762	THTR_HUMAN	Thiosulfate sulfurtransferase	TST
Cells	sp	Q16836	HCDH_HUMAN	Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial	HADH
Cells	sp	Q16864	VATF_HUMAN	V-type proton ATPase subunit F	ATP6V1F
Cells	sp	Q16881	TRXR1_HUMAN	Thioredoxin reductase 1, cytoplasmic	TXNRD1
Cells	sp	Q1KMD3	HNRL2_HUMAN	Heterogeneous nuclear ribonucleoprotein U-like protein 2	HNRNPUL2
Cells	sp	Q32MZ4	LRRF1_HUMAN	Leucine-rich repeat flightless-interacting protein 1	LRRF1P1
Cells	sp	Q32P51	RA1L2_HUMAN	Heterogeneous nuclear ribonucleoprotein A1-like 2	HNRNP112
Cells	sp	Q3MHD2	LSM12_HUMAN	Protein LSM12 homolog	LSM12
Cells	sp	Q3ZAQ7	VMA21_HUMAN	Vacuolar ATPase assembly integral membrane protein VMA21	VMA21
Cells	sp	Q4G0N4	NAKD2_HUMAN	NAD kinase 2, mitochondrial	NADK2
Cells	sp	Q4VC31	CCD58_HUMAN	Coiled-coil domain-containing protein 58	CCDC58
Cells	sp	Q4VXU2	PAP1L_HUMAN	Polyadenylate-binding protein 1-like	PABPC1L
Cells	sp	Q53FT3	HIKES_HUMAN	Protein Hikeshi	HIKESHI
Cells	sp	Q53H82	LACB2_HUMAN	Endoribonuclease LACTB2	LACTB2
Cells	sp	Q56UQ5	TPT1L_HUMAN	TPT1-like protein	-
Cells	sp	Q5JPE7	NOMO2_HUMAN	Nodal modulator 2	NOMO2
Cells	sp	Q5JQF8	PAP1M_HUMAN	Polyadenylate-binding protein 1-like 2	PABPC1L2B
Cells	sp	Q5JTV8	TOIP1_HUMAN	Torsin-1A-interacting protein 1	TOR1AIP1
Cells	sp	Q5JWF2	GNA51_HUMAN	Guanine nucleotide-binding protein G(s) subunit alpha isoforms XLas	GNAS
Cells	sp	Q5JXB2	UE2NL_HUMAN	Putative ubiquitin-conjugating enzyme E2 N-like	UE2NL
Cells	sp	Q5RKV6	EXOS6_HUMAN	Exosome complex component MTR3	EXOSC6
Cells	sp	Q5T1J5	CHCH9_HUMAN	Putative coiled-coil-helix-coiled-coil-helix domain-containing protein CHCHD2P9, mitochondrial	CHCHD2P9
Cells	sp	Q5T440	CAF17_HUMAN	Putative transferase CAF17, mitochondrial	IBA57
Cells	sp	Q5T653	RM02_HUMAN	39S ribosomal protein L2, mitochondrial	MRPL2
Cells	tr	Q5TEC6	Q5TEC6_HUMAN	Histone H3	H3-2
Cells	sp	Q5TZA2	CROCC_HUMAN	Rootletin	CROCC
Cells	sp	Q5VTU8	AT5EL_HUMAN	ATP synthase subunit epsilon-like protein, mitochondrial	ATP5F1E2
Cells	sp	Q66P13	AR6P4_HUMAN	ADP-ribosylation factor-like protein 6-interacting protein 4	ARL6IP4
Cells	sp	Q6DKJ4	NXN_HUMAN	Nucleoredoxin	NXN
Cells	sp	Q6EEV6	SUMO4_HUMAN	Small ubiquitin-related modifier 4	SUMO4
Cells	sp	Q6IAA8	LTOR1_HUMAN	Ragulator complex protein LAMTOR1	LAMTOR1
Cells	sp	Q6IQ22	RAB12_HUMAN	Ras-related protein Rab-12	RAB12
Cells	sp	Q6IS14	IFSAL_HUMAN	Eukaryotic translation initiation factor 5A-1-like	EIF5A11
Cells	sp	Q6NVV1	R13P3_HUMAN	Putative 60S ribosomal protein L13a protein RPL13AP3	RPL13AP3
Cells	sp	Q6NX51	IPP2B_HUMAN	Protein phosphatase inhibitor 2 family member B	PPP1R2B
Cells	sp	Q6NXT2	H3C_HUMAN	Histone H3.3C	H3-5
Cells	sp	Q6NZI2	CAVIN1_HUMAN	Caveolae-associated protein 1	CAVIN1
Cells	sp	Q6P1N9	TATD1_HUMAN	Putative deoxyribonuclease TATDN1	TATDN1
Cells	sp	Q6PIW4	FIGL1_HUMAN	Fidgetin-like protein 1	FIGL1
Cells	sp	Q6LUX0	CWC27_HUMAN	Spliceosome-associated protein CWC27 homolog	CWC27
Cells	sp	Q6ZU15	SEP14_HUMAN	Septin-14	SEPTIN14
Cells	sp	Q71D13	H32_HUMAN	Histone H3.2	H3C15
Cells	sp	Q7KZF4	SND1_HUMAN	Staphylococcal nuclease domain-containing protein 1	SND1
Cells	sp	Q7L1O6	BZW1_HUMAN	Basic leucine zipper and W2 domain-containing protein 1	BZW1
Cells	sp	Q7L5N1	CSN6_HUMAN	COP9 signalosome complex subunit 6	COP56
Cells	sp	Q722W4	ZCCHV_HUMAN	Zinc finger CCCH-type antiviral protein 1	ZC3HAV1
Cells	sp	Q722W9	RM21_HUMAN	39S ribosomal protein L21, mitochondrial	MRPL21
Cells	sp	Q72406	MYH14_HUMAN	Myosin-14	MYH14
Cells	sp	Q72422	SZRD1_HUMAN	SUZ domain-containing protein 1	SZRD1
Cells	sp	Q724V5	HDGR2_HUMAN	Hepatoma-derived growth factor-related protein 2	HDGFL2
Cells	sp	Q724W1	DCXR_HUMAN	L-xylulose reductase	DCXR
Cells	sp	Q72519	I2BP2_HUMAN	Interferon regulatory factor 2-binding protein 2	IRF2BP2
Cells	sp	Q72739	YTHD3_HUMAN	YTH domain-containing family protein 3	YTHDF3
Cells	sp	Q727F7	RM55_HUMAN	39S ribosomal protein L55, mitochondrial	MRPL55
Cells	sp	Q727H5	TMED4_HUMAN	Transmembrane emp24 domain-containing protein 4	TMED4
Cells	sp	Q865E5	RALYL_HUMAN	RNA-binding Raly-like protein	RALYL
Cells	sp	Q865F2	GALT7_HUMAN	N-acetylgalactosaminyltransferase 7	GALNT7
Cells	sp	Q865X6	GLRX5_HUMAN	Glutaredoxin-related protein 5, mitochondrial	GLRX5
Cells	sp	Q86U42	PABP2_HUMAN	Polyadenylate-binding protein 2	PABPN1
Cells	sp	Q86UE4	LYRIC_HUMAN	Protein LYRIC	MTDH
Cells	sp	Q86UP2	KTN1_HUMAN	Kinectin	KTN1
Cells	sp	Q86V81	THOC4_HUMAN	THO complex subunit 4	ALYREF
Cells	sp	Q86X76	NIT1_HUMAN	Deaminated glutathione amidase	NIT1
Cells	sp	Q86Y39	NDUAB_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 11	NDUFA11
Cells	sp	Q86Y56	RAB43_HUMAN	Ras-related protein Rab-43	RAB43
Cells	sp	Q81V08	PLD3_HUMAN	5'-3' exonuclease PLD3	PLD3
Cells	sp	Q81Y67	RAVR1_HUMAN	Ribonucleoprotein PTB-binding 1	RAVER1
Cells	sp	Q81YB3	SRRM1_HUMAN	Serine/arginine repetitive matrix protein 1	SRRM1
Cells	sp	Q81YD1	ERF3B_HUMAN	Eukaryotic peptide chain release factor GTP-binding subunit ERF3B	GSPT2
Cells	sp	Q81YT4	KATL2_HUMAN	Katanin p60 ATPase-containing subunit A-like 2	KATNAL2
Cells	sp	Q81Z73	RUSD2_HUMAN	RNA pseudouridylylase synthase domain-containing protein 2	RPUSD2
Cells	sp	Q81ZP2	ST134_HUMAN	Putative protein FAM10A4	ST13P4
Cells	sp	Q8N183	NDUF2_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 2	NDUFA2
Cells	sp	Q8N4C6	NIN_HUMAN	Ninein	NIN
Cells	sp	Q8N4P3	MESH1_HUMAN	Guanosine-3',5'-bis(diphosphate) 3'-pyrophosphohydrolase MESH1	HDCC3
Cells	sp	Q8N5N7	RM50_HUMAN	39S ribosomal protein L50, mitochondrial	MRPL50
Cells	sp	Q8N684	CPSF7_HUMAN	Cleavage and polyadenylation specificity factor subunit 7	CPSF7
Cells	sp	Q8N983	RM43_HUMAN	39S ribosomal protein L43, mitochondrial	MRPL43
Cells	sp	Q8N9N8	EIF1A_HUMAN	Probable RNA-binding protein EIF1AD	EIF1AD
Cells	sp	Q8NB15	GT251_HUMAN	Procollagen galactosyltransferase 1	COLGALT1
Cells	sp	Q8NB17	SUMF2_HUMAN	Inactive C-alpha-formylglycine-generating enzyme 2	SUMF2
Cells	sp	Q8NB59	TXND5_HUMAN	Thioredoxin domain-containing protein 5	TXNDC5
Cells	sp	Q8NC51	PAIRB_HUMAN	Plasminogen activator inhibitor 1 RNA-binding protein	SERP1
Cells	sp	Q8NC56	LEMD2_HUMAN	LEM domain-containing protein 2	LEMD2
Cells	sp	Q8NE71	ABCF1_HUMAN	ATP-binding cassette sub-family F member 1	ABCF1
Cells	sp	Q8NEV1	CSK23_HUMAN	Casein kinase II subunit alpha 3	CSNK2A3
Cells	sp	Q8NFH3	NUP43_HUMAN	Nucleoporin Nup43	NUP43
Cells	sp	Q8NFH4	NUP37_HUMAN	Nucleoporin Nup37	NUP37

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Cells	sp	Q8NF14	F10A5_HUMAN	Putative protein FAM10A5	ST13P5
Cells	sp	Q8NHP1	ARK74_HUMAN	Aflatoxin B1 aldehyde reductase member 4	AKR7L
Cells	sp	Q8NHW5	RLAOL_HUMAN	60S acidic ribosomal protein P0-like	RPLP0P6
Cells	sp	Q8TAE8	G451P_HUMAN	Growth arrest and DNA damage-inducible proteins-interacting protein 1	GADD45GIP1
Cells	sp	Q8TAO2	SMRC2_HUMAN	SWI/SNF complex subunit SMARCC2	SMARCC2
Cells	sp	Q8TAT6	NPL4_HUMAN	Nuclear protein localization protein 4 homolog	NPLOC4
Cells	sp	Q8TCS8	PNPT1_HUMAN	Polyribonucleotide nucleotidyltransferase 1, mitochondrial	PNPT1
Cells	sp	Q8TDQ7	GNPI2_HUMAN	Glucosamine-6-phosphate isomerase 2	GNPDA2
Cells	sp	Q8TEA8	DTD1_HUMAN	D-aminoacyl-tRNA deacylase 1	DTD1
Cells	sp	Q8TF74	WIPF2_HUMAN	WAS/WASL-interacting protein family member 2	WIPF2
Cells	sp	Q8WTV0	SCRIB1_HUMAN	Scavenger receptor class B member 1	SCRAB1
Cells	sp	Q8WU90	ZC3HF_HUMAN	Zinc finger CCHC domain-containing protein 15	ZC3H15
Cells	sp	Q8WUA2	PPIL4_HUMAN	Peptidyl-prolyl cis-trans isomerase-like 4	PPIL4
Cells	sp	Q8WUD1	RAB2B_HUMAN	Ras-related protein Rab-2B	RAB2B
Cells	sp	Q8WUD4	CCD12_HUMAN	Coiled-coil domain-containing protein 12	CCDC12
Cells	sp	Q8WUF5	IASPP_HUMAN	RelA-associated inhibitor	PPPIR13L
Cells	sp	Q8WW12	PCNP_HUMAN	PEST proteolytic signal-containing nuclear protein	PCNP
Cells	sp	Q8WW59	SPRY4_HUMAN	SPRY domain-containing protein 4	SPRYD4
Cells	sp	Q8WXF1	PSPC1_HUMAN	Paraspeckle component 1	PSPC1
Cells	sp	Q8WXX5	DNJC9_HUMAN	DnaJ homolog subfamily C member 9	DNJC9
Cells	sp	Q8WY22	BRI3B_HUMAN	BRI3-binding protein	BRI3BP
Cells	sp	Q92499	DDX1_HUMAN	ATP-dependent RNA helicase DDX1	DDX1
Cells	sp	Q92522	H1X_HUMAN	Histone H1.10	H1-10
Cells	sp	Q92542	NICA_HUMAN	Nicastrin	NCSTN
Cells	sp	Q92544	TM9S4_HUMAN	Transmembrane 9 superfamily member 4	TM9SF4
Cells	sp	Q92598	HS105_HUMAN	Heat shock protein 105 kDa	HSPH1
Cells	sp	Q92599	SEPT8_HUMAN	Septin-8	SEPTIN8
Cells	sp	Q92665	RT31_HUMAN	28S ribosomal protein S31, mitochondrial	MRP531
Cells	sp	Q92688	AN32B_HUMAN	Acidic leucine-rich nuclear phosphoprotein 32 family member B	ANP32B
Cells	sp	Q92692	NECT2_HUMAN	Nectin-2	NECTIN2
Cells	sp	Q92733	PRCC_HUMAN	Proline-rich protein PRCC	PRCC
Cells	sp	Q92734	TFG_HUMAN	Protein TFG	TFG
Cells	sp	Q92804	RBP56_HUMAN	TATA-binding protein-associated factor 2N	TAF15
Cells	sp	Q92841	DDX17_HUMAN	Probable ATP-dependent RNA helicase DDX17	DDX17
Cells	sp	Q92882	OSTF1_HUMAN	Osteoclast-stimulating factor 1	OSTF1
Cells	sp	Q92890	UFD1_HUMAN	Ubiquitin recognition factor in ER-associated degradation protein 1	UFD1
Cells	sp	Q92900	RENT1_HUMAN	Regulator of nonsense transcripts 1	UPF1
Cells	sp	Q92922	SMRC1_HUMAN	SWI/SNF complex subunit SMARCC1	SMARCC1
Cells	sp	Q92928	RAB1C_HUMAN	Putative Ras-related protein Rab-1C	RAB1C
Cells	sp	Q92930	RAB8B_HUMAN	Ras-related protein Rab-8B	RAB8B
Cells	sp	Q92945	FUBP2_HUMAN	Far upstream element-binding protein 2	KHSRP
Cells	sp	Q92979	NEP1_HUMAN	Ribosomal RNA small subunit methyltransferase NEP1	EMG1
Cells	sp	Q93045	STMN2_HUMAN	Stathmin-2	STMN2
Cells	sp	Q969G3	SMCE1_HUMAN	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E member 1	SMARCE1
Cells	sp	Q969G5	CAVIN3_HUMAN	Caveolae-associated protein 3	CAVIN3
Cells	sp	Q969H8	MYDGF_HUMAN	Myeloid-derived growth factor	MYDGF
Cells	sp	Q969X5	ERG11_HUMAN	Endoplasmic reticulum-Golgi intermediate compartment protein 1	ERGIC1
Cells	sp	Q96A26	F162A_HUMAN	Protein FAM162A	FAM162A
Cells	sp	Q96A49	SYAP1_HUMAN	Synapse-associated protein 1	SYAP1
Cells	sp	Q96A72	MGN2_HUMAN	Protein mago nashi homolog 2	MAGOHB
Cells	sp	Q96AB3	ISOC2_HUMAN	Isochorismatase domain-containing protein 2	ISOC2
Cells	sp	Q96AE4	FUBP1_HUMAN	Far upstream element-binding protein 1	FUBP1
Cells	sp	Q96AG4	LRC59_HUMAN	Leucine-rich repeat-containing protein 59	LRRC59
Cells	sp	Q96AX2	RAB37_HUMAN	Ras-related protein Rab-37	RAB37
Cells	sp	Q96BM9	ARL8A_HUMAN	ADP-ribosylation factor-like protein 8A	ARL8A
Cells	sp	Q96BR5	COA7_HUMAN	Cytochrome c oxidase assembly factor 7	COA7
Cells	sp	Q96C01	F136A_HUMAN	Protein FAM136A	FAM136A
Cells	sp	Q96C19	EFHD2_HUMAN	EF-hand domain-containing protein D2	EFHD2
Cells	sp	Q96C86	DCPS_HUMAN	m7GpppX diphosphatase	DCPS
Cells	sp	Q96CN7	ISOC1_HUMAN	Isochorismatase domain-containing protein 1	ISOC1
Cells	sp	Q96CT7	CCI24_HUMAN	Coiled-coil domain-containing protein 124	CCDC124
Cells	sp	Q96DA2	RAB39B_HUMAN	Ras-related protein Rab-39B	RAB39B
Cells	sp	Q96DA6	TIM14_HUMAN	Mitochondrial import inner membrane translocase subunit TIM14	DNJC19
Cells	sp	Q96DB5	RMD1_HUMAN	Regulator of microtubule dynamics protein 1	RMDN1
Cells	sp	Q96DG6	CMBL_HUMAN	Carboxymethylbenzotriazolide homolog	CMBL
Cells	sp	Q96DH6	MSI2H_HUMAN	RNA-binding protein Musashi homolog 2	MSI2
Cells	sp	Q96DU9	PABP5_HUMAN	Polyadenylate-binding protein 5	PABPC5
Cells	sp	Q96DV4	RM38_HUMAN	39S ribosomal protein L38, mitochondrial	MRPL38
Cells	sp	Q96E11	RRFM_HUMAN	Ribosome-recycling factor, mitochondrial	MRRF
Cells	sp	Q96E17	RAB3C_HUMAN	Ras-related protein Rab-3C	RAB3C
Cells	sp	Q96EE3	SEH1_HUMAN	Nucleoporin SEH1	SEH1L
Cells	sp	Q96EK6	GNA1_HUMAN	Glucosamine 6-phosphate N-acetyltransferase	GNPNAT1
Cells	sp	Q96EL3	RM53_HUMAN	39S ribosomal protein L53, mitochondrial	MRPL53
Cells	sp	Q96EP5	DAZP1_HUMAN	DAZ-associated protein 1	DAZAP1
Cells	sp	Q96FX7	TRM61_HUMAN	tRNA (adenine(58)-N(1))-methyltransferase catalytic subunit TRM61A	TRMT61A
Cells	sp	Q96GC5	RM48_HUMAN	39S ribosomal protein L48, mitochondrial	MRPL48
Cells	sp	Q96HC4	PDLI5_HUMAN	PDZ and LIM domain protein 5	PDLIM5
Cells	sp	Q96HE7	ERO1A_HUMAN	ERO1-like protein alpha	ERO1A
Cells	sp	Q96HN2	SAHH3_HUMAN	Adenosylhomocysteinase 3	AHCLY2
Cells	sp	Q96HY6	DDR GK_HUMAN	DDR GK domain-containing protein 1	DDR GK1
Cells	sp	Q96I24	FUBP3_HUMAN	Far upstream element-binding protein 3	FUBP3
Cells	sp	Q96I99	SUCB2_HUMAN	Succinate-CoA ligase [GDP-forming] subunit beta, mitochondrial	SUCLG2
Cells	sp	Q96IX5	ATPMD_HUMAN	ATP synthase membrane subunit DAPIT, mitochondrial	ATP5MD
Cells	sp	Q96I20	PAWR_HUMAN	PRKCA apoptosis WT1 regulator protein	PAWR
Cells	sp	Q96JD6	AKCL2_HUMAN	1,5-anhydro-D-fructose reductase	AKR1E2
Cells	sp	Q96K17	BT3L4_HUMAN	Transcription factor BTF3 homolog 4	BTF3L4
Cells	sp	Q96KP4	CNDP2_HUMAN	Cytosolic non-specific dipeptidase	CNDP2
Cells	sp	Q96L46	CPNS2_HUMAN	Calpain small subunit 2	CAPNS2
Cells	sp	Q96RP9	EFGM_HUMAN	Elongation factor G, mitochondrial	GFM1
Cells	sp	Q99417	MYCBP_HUMAN	c-Myc-binding protein	MYCBP

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Cells	sp	Q99426	TBCB_HUMAN	Tubulin-folding cofactor B	TBCB
Cells	sp	Q99436	PSB7_HUMAN	Proteasome subunit beta type-7	PSMB7
Cells	sp	Q99439	CNN2_HUMAN	Calponin-2	CNN2
Cells	sp	Q99447	PCY2_HUMAN	Ethanolamine-phosphate cytidyllyltransferase	PCY2
Cells	sp	Q99470	SDF2_HUMAN	Stromal cell-derived factor 2	SDF2
Cells	sp	Q99471	PFD5_HUMAN	Prefoldin subunit 5	PFDN5
Cells	sp	Q99497	PARK7_HUMAN	Parkinson disease protein 7	PARK7
Cells	sp	Q99536	VAT1_HUMAN	Synaptic vesicle membrane protein VAT-1 homolog	VAT1
Cells	sp	Q99598	TSNAX_HUMAN	Translin-associated protein X	TSNAX
Cells	sp	Q99614	TTC1_HUMAN	Tetratricopeptide repeat protein 1	TTC1
Cells	sp	Q99627	CSN8_HUMAN	COP9 signalosome complex subunit 8	COP58
Cells	sp	Q99714	HCD2_HUMAN	3-hydroxyacyl-CoA dehydrogenase type-2	HSD17B10
Cells	sp	Q99720	SGMR1_HUMAN	Sigma non-opioid intracellular receptor 1	SIGMAR1
Cells	sp	Q99729	ROAA_HUMAN	Heterogeneous nuclear ribonucleoprotein A/B	HNRNPAB
Cells	sp	Q99733	NP1L4_HUMAN	Nucleosome assembly protein 1-like 4	NAP1L4
Cells	sp	Q99798	ACON_HUMAN	Aconitate hydratase, mitochondrial	ACO2
Cells	sp	Q99829	CPNE1_HUMAN	Copine-1	CPNE1
Cells	sp	Q99848	EBP2_HUMAN	Probable RNA-processing protein EBP2	EBNA1BP2
Cells	sp	Q99873	ANM1_HUMAN	Protein arginine N-methyltransferase 1	PRMT1
Cells	sp	Q99PW8	NIP51_HUMAN	Protein NipSnap homolog 1	NIP5NAP1
Cells	sp	Q99PX5	ARP5L_HUMAN	Actin-related protein 2/3 complex subunit 5-like protein	ARPC5L
Cells	sp	Q99Q61	TRIR_HUMAN	Telomerase RNA component interacting RNase	TRIR
Cells	sp	Q99Q69	MACD1_HUMAN	ADP-ribose glycohydrolase MACROD1	MACROD1
Cells	sp	Q99QA1	MEP50_HUMAN	Methylosome protein 50	WDR77
Cells	sp	Q99R76	COR1B_HUMAN	Coronin-1B	COR01B
Cells	sp	Q99RA2	TXD17_HUMAN	Thioredoxin domain-containing protein 17	TXNDC17
Cells	sp	Q99R12	RM45_HUMAN	39S ribosomal protein L45, mitochondrial	MRPL45
Cells	sp	Q99R16	CG050_HUMAN	Uncharacterized protein C7orf50	C7orf50
Cells	sp	Q99RL6	SRSF8_HUMAN	Serine/arginine-rich splicing factor 8	SRSF8
Cells	sp	Q99RP8	PYM1_HUMAN	Partner of Y14 and mago	PYM1
Cells	sp	Q99RX8	PXL2A_HUMAN	Peroxiredoxin-like 2A	PRXL2A
Cells	sp	Q99S26	ERP44_HUMAN	Endoplasmic reticulum resident protein 44	ERP44
Cells	sp	Q99S18	ESYT1_HUMAN	Extended synaptotagmin-1	ESYT1
Cells	sp	Q99TM9	URM1_HUMAN	Ubiquitin-related modifier 1	URM1
Cells	sp	Q99TT0	AN32E_HUMAN	Acidic leucine-rich nuclear phosphoprotein 32 family member E	ANP32E
Cells	sp	Q99TU6	P4K2A_HUMAN	Phosphatidylinositol 4-kinase type 2-alpha	PI4K2A
Cells	sp	Q99TV4	TMM43_HUMAN	Transmembrane protein 43	TMM43
Cells	sp	Q99U61	NDUF3_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 3	NDUFA3
Cells	sp	Q99U89	DOHH_HUMAN	Deoxyhypusine hydroxylase	DOHH
Cells	sp	Q99UB7	TMM70_HUMAN	Transmembrane protein 70, mitochondrial	TMM70
Cells	sp	Q99UJ2	HNR1L_HUMAN	Heterogeneous nuclear ribonucleoprotein U-like protein 1	HNRNPUL1
Cells	sp	Q99UL8	PDC10_HUMAN	Programmed cell death protein 10	PDCD10
Cells	sp	Q99UP3	HTAI2_HUMAN	Oxidoreductase HTATIP2	HTATIP2
Cells	sp	Q99V40	VAMP8_HUMAN	Vesicle-associated membrane protein 8	VAMP8
Cells	sp	Q99V57	MTND_HUMAN	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase	ADI1
Cells	sp	Q99VC6	TM109_HUMAN	Transmembrane protein 109	TMM109
Cells	sp	Q99VK6	TMED9_HUMAN	Transmembrane emp24 domain-containing protein 9	TMED9
Cells	sp	Q99X68	HINT2_HUMAN	Histidine triad nucleotide-binding protein 2, mitochondrial	HINT2
Cells	sp	Q99XK5	B2L13_HUMAN	Bcl-2-like protein 13	BCL2L13
Cells	sp	Q99XR0	TGT_HUMAN	Queuine tRNA-ribosyltransferase catalytic subunit 1	QTR1
Cells	sp	Q99Y43	CHM4A_HUMAN	Charged multivesicular body protein 4a	CHMP4A
Cells	sp	Q99Y44	EIF2A_HUMAN	Eukaryotic translation initiation factor 2A	EIF2A
Cells	sp	Q99YD1	RM13_HUMAN	39S ribosomal protein L13, mitochondrial	MRPL13
Cells	sp	Q99YD3	RM04_HUMAN	39S ribosomal protein L4, mitochondrial	MRPL4
Cells	sp	Q99YD6	RM01_HUMAN	39S ribosomal protein L1, mitochondrial	MRPL1
Cells	sp	Q99ZE1	RM37_HUMAN	39S ribosomal protein L37, mitochondrial	MRPL37
Cells	sp	Q99ZK3	NACP4_HUMAN	Putative nascent polypeptide-associated complex subunit alpha-like protein	NACAP4
Cells	sp	Q99C05	DPY30_HUMAN	Protein dpy-30 homolog	DPY30
Cells	sp	Q99ZP4	PITH1_HUMAN	PITH domain-containing protein 1	PITHD1
Cells	sp	Q99ZS3	WDR61_HUMAN	WD repeat-containing protein 61	WDR61
Cells	sp	Q99ZT3	SLIRP_HUMAN	SRA stem-loop-interacting RNA-binding protein, mitochondrial	SLIRP
Cells	sp	Q99ZT8	NIF3L_HUMAN	NIF3-like protein 1	NIF3L1
Cells	sp	Q99ZV4	IF5A2_HUMAN	Eukaryotic translation initiation factor 5A-2	EIF5A2
Cells	sp	Q9H082	RB33B_HUMAN	Ras-related protein Rab-33B	RAB33B
Cells	sp	Q9H0D6	XRN2_HUMAN	5'-3' exoribonuclease 2	XRN2
Cells	sp	Q9H0L4	CSTFT_HUMAN	Cleavage stimulation factor subunit 2 tau variant	CSTFT2
Cells	sp	Q9H0Q0	CYRIA_HUMAN	CYFIP-related Rac1 interactor A	CYRIA
Cells	sp	Q9H0U4	RAB1B_HUMAN	Ras-related protein Rab-1B	RAB1B
Cells	sp	Q9H299	SH3L3_HUMAN	SH3 domain-binding glutamic acid-rich-like protein 3	SH3BGR3
Cells	sp	Q9H2H8	PPIL3_HUMAN	Peptidyl-prolyl cis-trans isomerase-like 3	PPIL3
Cells	sp	Q9H2U2	IPYR2_HUMAN	Inorganic pyrophosphatase 2, mitochondrial	PPA2
Cells	sp	Q9H2W6	RM46_HUMAN	39S ribosomal protein L46, mitochondrial	MRPL46
Cells	sp	Q9H307	PININ_HUMAN	Pinin	PNN
Cells	sp	Q9H361	PABP3_HUMAN	Polyadenylate-binding protein 3	PABPC3
Cells	sp	Q9H3H3	CK068_HUMAN	UPF0696 protein C11orf68	C11orf68
Cells	sp	Q9H3K6	BOLA2_HUMAN	Bola-like protein 2	BOLA2B
Cells	sp	Q9H3N1	TMX1_HUMAN	Thioredoxin-related transmembrane protein 1	TMX1
Cells	sp	Q9H3P2	NELFA_HUMAN	Negative elongation factor A	NELFA
Cells	sp	Q9H3P7	GCP60_HUMAN	Golgi resident protein GCP60	ACBD3
Cells	sp	Q9H3Z4	DNJC5_HUMAN	DnaJ homolog subfamily C member 5	DNAJC5
Cells	sp	Q9H444	CHM4B_HUMAN	Charged multivesicular body protein 4b	CHMP4B
Cells	sp	Q9H5V8	CDCP1_HUMAN	CUB domain-containing protein 1	CDCP1
Cells	sp	Q9H773	DCTP1_HUMAN	dCTP pyrophosphatase 1	DCTPP1
Cells	sp	Q9H7Z7	PGES2_HUMAN	Prostaglandin E synthase 2	PTGES2
Cells	sp	Q9H8Y8	GORS2_HUMAN	Golgi reassembly-stacking protein 2	GORASP2
Cells	sp	Q9H910	JUPI2_HUMAN	Jupiter microtubule associated homolog 2	JPT2
Cells	sp	Q9H9H4	VP37B_HUMAN	Vacuolar protein sorting-associated protein 37B	VPS37B
Cells	sp	Q9H9J2	RM44_HUMAN	39S ribosomal protein L44, mitochondrial	MRPL44
Cells	sp	Q9HAV0	GBB4_HUMAN	Guanine nucleotide-binding protein subunit beta-4	GNB4
Cells	sp	Q9HAV7	GRPE1_HUMAN	GrpE protein homolog 1, mitochondrial	GRPEL1

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Cells	sp	Q9HB07	MYG1_HUMAN	UPF0160 protein MYG1, mitochondrial	C12orf10
Cells	sp	Q9HB40	RISC_HUMAN	Retinoid-inducible serine carboxypeptidase	SCPEP1
Cells	sp	Q9HB71	CYBP_HUMAN	Calcyclin-binding protein	CACYBP
Cells	sp	Q9HC38	GLDD4_HUMAN	Glyoxalase domain-containing protein 4	GLDD4
Cells	sp	Q9HCC0	MCCB_HUMAN	Methylcrotonoyl-CoA carboxylase beta chain, mitochondrial	MCCC2
Cells	sp	Q9HCE1	MOV10_HUMAN	Helicase MOV-10	MOV10
Cells	sp	Q9HDC9	APMAP_HUMAN	Adipocyte plasma membrane-associated protein	APMAP
Cells	sp	Q9NNW7	TRXR2_HUMAN	Thioredoxin reductase 2, mitochondrial	TXNRD2
Cells	sp	Q9NP72	RAB18_HUMAN	Ras-related protein Rab-18	RAB18
Cells	sp	Q9NP77	SSU72_HUMAN	RNA polymerase II subunit A C-terminal domain phosphatase SSU72	SSU72
Cells	sp	Q9NP79	VTA1_HUMAN	Vacuolar protein sorting-associated protein VTA1 homolog	VTA1
Cells	sp	Q9NP81	YSYM_HUMAN	Serine-tRNA ligase, mitochondrial	SARS2
Cells	sp	Q9NP92	RT30_HUMAN	39S ribosomal protein S30, mitochondrial	MRPS30
Cells	sp	Q9NP97	DLRB1_HUMAN	Dynein light chain roadblock-type 1	DYNLRB1
Cells	sp	Q9NP92	INO1_HUMAN	Inositol-3-phosphate synthase 1	ISYNA1
Cells	sp	Q9NPJ3	ACO13_HUMAN	Acyl-coenzyme A thioesterase 13	ACOT13
Cells	sp	Q9NQ29	LUC7L_HUMAN	Putative RNA-binding protein Luc7-like 1	LUC7L
Cells	sp	Q9NQ39	RS10L_HUMAN	Putative 40S ribosomal protein S10-like	RPS10P5
Cells	sp	Q9NQ48	LZTL1_HUMAN	Leucine zipper transcription factor-like protein 1	LZTFL1
Cells	sp	Q9NQ50	RM40_HUMAN	39S ribosomal protein L40, mitochondrial	MRPL40
Cells	sp	Q9NQC3	RTN4_HUMAN	Reticulon-4	RTN4
Cells	sp	Q9NQH7	XPP3_HUMAN	Xaa-Pro aminopeptidase 3	XPPEP3
Cells	sp	Q9NQP4	PFD4_HUMAN	Prefoldin subunit 4	PFDN4
Cells	sp	Q9NQR4	NIT2_HUMAN	Omega-amidase NIT2	NIT2
Cells	sp	Q9NR22	ANM8_HUMAN	Protein arginine N-methyltransferase 8	PRMT8
Cells	sp	Q9NR28	DBLOH_HUMAN	Diablo homolog, mitochondrial	DIABLO
Cells	sp	Q9NR31	SAR1A_HUMAN	GTP-binding protein SAR1a	SAR1A
Cells	sp	Q9NR45	SIAS_HUMAN	Sialic acid synthase	NANS
Cells	sp	Q9NR46	SHLB2_HUMAN	Endophilin-B2	SH3GLB2
Cells	sp	Q9NR55	UBQL4_HUMAN	Ubiquilin-4	UBQLN4
Cells	sp	Q9NRV9	HEBP1_HUMAN	Heme-binding protein 1	HEBP1
Cells	sp	Q9NRW1	RAB6B_HUMAN	Ras-related protein Rab-6B	RAB6B
Cells	sp	Q9NRX2	RM17_HUMAN	39S ribosomal protein L17, mitochondrial	MRPL17
Cells	sp	Q9NRX4	PHP14_HUMAN	14 kDa phosphohistidine phosphatase	PHPT1
Cells	sp	Q9NS69	TOM22_HUMAN	Mitochondrial import receptor subunit TOM22 homolog	TOMM22
Cells	sp	Q9NTK5	OLA1_HUMAN	Obg-like ATPase 1	OLA1
Cells	sp	Q9NUM4	T106B_HUMAN	Transmembrane protein 106B	TMEM106B
Cells	sp	Q9NUP9	LIN7C_HUMAN	Protein lin-7 homolog C	LIN7C
Cells	sp	Q9NUO9	CYRIB_HUMAN	CYFIP-related Rac1 interactor B	CYRIB
Cells	sp	Q9NVA2	SEP11_HUMAN	Septin-11	SEPTIN11
Cells	sp	Q9NV12	ARL8B_HUMAN	ADP-ribosylation factor-like protein 8B	ARL8B
Cells	sp	Q9NWX4	CZIB_HUMAN	CXXC motif containing zinc binding protein	CZIB
Cells	sp	Q9NX14	NDUBB_HUMAN	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 11, mitochondrial	NDUFB11
Cells	sp	Q9NX40	OCAD1_HUMAN	OCIA domain-containing protein 1	OCAD1
Cells	sp	Q9NX55	HYPK_HUMAN	Huntingtin-interacting protein K	HYPK
Cells	sp	Q9NX52	QPCTL_HUMAN	Glutamyl-peptide cyclotransferase-like protein	QPCTL
Cells	sp	Q9NY12	GAR1_HUMAN	H/ACA ribonucleoprotein complex subunit 1	GAR1
Cells	sp	Q9NYF8	BCLF1_HUMAN	Bcl-2-associated transcription factor 1	BCLAF1
Cells	sp	Q9NYK5	RM39_HUMAN	39S ribosomal protein L39, mitochondrial	MRPL39
Cells	sp	Q9NYL9	TMOD3_HUMAN	Tropomodulin-3	TMOD3
Cells	sp	Q9NZ18	IF2B1_HUMAN	Insulin-like growth factor 2 mRNA-binding protein 1	IGF2BP1
Cells	sp	Q9NZL9	MAT2B_HUMAN	Methionine adenosyltransferase 2 subunit beta	MAT2B
Cells	sp	Q9NZM1	MYOF_HUMAN	Myoferlin	MYOF
Cells	sp	Q9NZZ3	CHMP5_HUMAN	Charged multivesicular body protein 5	CHMP5
Cells	sp	Q9P015	RM15_HUMAN	39S ribosomal protein L15, mitochondrial	MRPL15
Cells	sp	Q9P010	NDUAD_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 13	NDUFA13
Cells	sp	Q9P0L0	VAPA_HUMAN	Vesicle-associated membrane protein-associated protein A	VAPA
Cells	sp	Q9P258	RCC2_HUMAN	Protein RCC2	RCC2
Cells	sp	Q9P287	BCCIP_HUMAN	BRCA2 and CDKN1A-interacting protein	BCCIP
Cells	sp	Q9P2E9	RRBP1_HUMAN	Ribosome-binding protein 1	RRBP1
Cells	sp	Q9P2T1	GMFR2_HUMAN	GMP reductase 2	GMFR2
Cells	sp	Q9UBE0	SAE1_HUMAN	SUMO-activating enzyme subunit 1	SAE1
Cells	sp	Q9UBI6	GBG12_HUMAN	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-12	GNG12
Cells	sp	Q9UBP6	TRMB_HUMAN	tRNA (guanine-N(7))-methyltransferase	METTL1
Cells	sp	Q9UBQ0	VPS29_HUMAN	Vacuolar protein sorting-associated protein 29	VPS29
Cells	sp	Q9UBQ7	GRHPR_HUMAN	Glyoxylate reductase/hydroxypyruvate reductase	GRHPR
Cells	sp	Q9UBR2	CATZ_HUMAN	Cathepsin Z	CTSZ
Cells	sp	Q9UBS4	DJB11_HUMAN	DnaJ homolog subfamily B member 11	DNAJB11
Cells	sp	Q9UBW8	CSN7A_HUMAN	COP9 signalosome complex subunit 7a	COPS7A
Cells	sp	Q9UFN0	NPS3A_HUMAN	Protein NipSnap homolog 3A	NIPSNAP3A
Cells	sp	Q9UGI8	TES_HUMAN	Testin	TES
Cells	sp	Q9UHD1	CHRD1_HUMAN	Cysteine and histidine-rich domain-containing protein 1	CHORDC1
Cells	sp	Q9UHD8	SEPT9_HUMAN	Septin-9	SEPTIN9
Cells	sp	Q9UHD9	UBQL2_HUMAN	Ubiquilin-2	UBQLN2
Cells	sp	Q9UHG3	PCYOX_HUMAN	Prenylcysteine oxidase 1	PCYOX1
Cells	sp	Q9UHV9	PFD2_HUMAN	Prefoldin subunit 2	PFDN2
Cells	sp	Q9UHX1	PUF60_HUMAN	Poly(U)-binding-splicing factor PUF60	PUF60
Cells	sp	Q9UI15	TAGL3_HUMAN	Transgelin-3	TAGLN3
Cells	sp	Q9UI30	TRM112_HUMAN	Multifunctional methyltransferase subunit TRM112-like protein	TRMT112
Cells	sp	Q9UIJ6	DBNL_HUMAN	Drebrin-like protein	DBNL
Cells	sp	Q9UIZ1	STML2_HUMAN	Stomatatin-like protein 2, mitochondrial	STOML2
Cells	sp	Q9UK45	LSM7_HUMAN	U6 snRNA-associated Sm-like protein LSM7	LSM7
Cells	sp	Q9UK76	JUPI1_HUMAN	Jupiter microtubule associated homolog 1	JPT1
Cells	sp	Q9UKA9	PTBP2_HUMAN	Poly(pyrimidine tract-binding protein 2	PTBP2
Cells	sp	Q9UKK9	NUDT5_HUMAN	ADP-sugar pyrophosphatase	NUDT5
Cells	sp	Q9UKM9	RALY_HUMAN	RNA-binding protein Raly	RALY
Cells	sp	Q9UKV3	ACIN1_HUMAN	Apoptotic chromatin condensation inducer in the nucleus	ACIN1
Cells	sp	Q9UKY7	CDV3_HUMAN	Protein CDV3 homolog	CDV3
Cells	sp	Q9UL46	PSME2_HUMAN	Proteasome activator complex subunit 2	PSME2
Cells	sp	Q9ULC4	MCTS1_HUMAN	Malignant T-cell-amplified sequence 1	MCTS1

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Cells	sp	Q9ULD0	OGDHL_HUMAN	2-oxoglutarate dehydrogenase-like, mitochondrial	OGDHL
Cells	sp	Q9ULR0	ISY1_HUMAN	Pre-mRNA-splicing factor ISY1 homolog	ISY1
Cells	sp	Q9ULV4	COR1C_HUMAN	Coronin-1C	CORO1C
Cells	sp	Q9UM00	TMCO1_HUMAN	Calcium load-activated calcium channel	TMCO1
Cells	sp	Q9UMX0	UBQL1_HUMAN	Ubiquilin-1	UBQLN1
Cells	sp	Q9UMY4	SNX12_HUMAN	Sorting nexin-12	SNX12
Cells	sp	Q9UN37	VPS4A_HUMAN	Vacuolar protein sorting-associated protein 4A	VPS4A
Cells	sp	Q9UN86	G3BP2_HUMAN	Ras GTPase-activating protein-binding protein 2	G3BP2
Cells	sp	Q9UNF0	PACN2_HUMAN	Protein kinase C and casein kinase substrate in neurons protein 2	PACSN2
Cells	sp	Q9UNP9	PPIE_HUMAN	Peptidyl-prolyl cis-trans isomerase E	PPIE
Cells	sp	Q9UNZ2	NSFL1C_HUMAN	NSFL1 cofactor p47	NSFL1C
Cells	sp	Q9UQ35	SRRM2_HUMAN	Serine/arginine repetitive matrix protein 2	SRRM2
Cells	sp	Q9UQ80	PA2G4_HUMAN	Proliferation-associated protein 2G4	PA2G4
Cells	sp	Q9Y224	RTRAF_HUMAN	RNA transcription, translation and transport factor protein	RTRAF
Cells	sp	Q9Y230	RUVB2_HUMAN	RuvB-like 2	RUVBL2
Cells	sp	Q9Y237	PIN4_HUMAN	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 4	PIN4
Cells	sp	Q9Y265	RUVB1_HUMAN	RuvB-like 1	RUVBL1
Cells	sp	Q9Y266	NUDC_HUMAN	Nuclear migration protein nudC	NUDC
Cells	sp	Q9Y276	BCS1_HUMAN	Mitochondrial chaperone BCS1	BCS1L
Cells	sp	Q9Y277	VDAC3_HUMAN	Voltage-dependent anion-selective channel protein 3	VDAC3
Cells	sp	Q9Y285	YFYA_HUMAN	Phenylalanine-tRNA ligase alpha subunit	FARSA
Cells	sp	Q9Y280	CNPY2_HUMAN	Protein canopy homolog 2	CNPY2
Cells	sp	Q9Y209	RT28_HUMAN	28S ribosomal protein S28, mitochondrial	MRPS28
Cells	sp	Q9Y2R0	COA3_HUMAN	Cytochrome c oxidase assembly factor 3 homolog, mitochondrial	COA3
Cells	sp	Q9Y2R9	RT07_HUMAN	28S ribosomal protein S7, mitochondrial	MRPS7
Cells	sp	Q9Y2T7	YBOX2_HUMAN	Y-box-binding protein 2	YBX2
Cells	sp	Q9Y2V2	CHSP1_HUMAN	Calcium-regulated heat-stable protein 1	CARHSP1
Cells	sp	Q9Y2W1	TR150_HUMAN	Thyroid hormone receptor-associated protein 3	THRAP3
Cells	sp	Q9Y2W2	WBP11_HUMAN	WW domain-binding protein 11	WBP11
Cells	sp	Q9Y333	LSM2_HUMAN	U6 snRNA-associated Sm-like protein LSm2	LSM2
Cells	sp	Q9Y383	LC7L2_HUMAN	Putative RNA-binding protein Luc7-like 2	LUC7L2
Cells	sp	Q9Y394	DHRS7_HUMAN	Dehydrogenase/reductase SDR family member 7	DHRS7
Cells	sp	Q9Y383	TMED7_HUMAN	Transmembrane emp24 domain-containing protein 7	TMED7
Cells	sp	Q9Y3B7	RM11_HUMAN	39S ribosomal protein L11, mitochondrial	MRPL11
Cells	sp	Q9Y3B8	ORN_HUMAN	Oligoribonuclease, mitochondrial	REXO2
Cells	sp	Q9Y3C1	NOP16_HUMAN	Nucleolar protein 16	NOP16
Cells	sp	Q9Y3C6	PPIL1_HUMAN	Peptidyl-prolyl cis-trans isomerase-like 1	PPIL1
Cells	sp	Q9Y3D6	FIS1_HUMAN	Mitochondrial fission 1 protein	FIS1
Cells	sp	Q9Y3D7	TIM16_HUMAN	Mitochondrial import inner membrane translocase subunit TIM16	PAM16
Cells	sp	Q9Y3D9	RT23_HUMAN	28S ribosomal protein S23, mitochondrial	MRPS23
Cells	sp	Q9Y3E1	HDGR3_HUMAN	Hepatoma-derived growth factor-related protein 3	HDFGL3
Cells	sp	Q9Y3F4	STRAP_HUMAN	Serine-threonine kinase receptor-associated protein	STRAP
Cells	sp	Q9Y315	RAP2C_HUMAN	Ras-related protein Rap-2c	RAP2C
Cells	sp	Q9Y3U8	RL36_HUMAN	60S ribosomal protein L36	RPL36
Cells	sp	Q9Y3Y2	CHTOP_HUMAN	Chromatin target of PRMT1 protein	CHTOP
Cells	sp	Q9Y4L1	HYOU1_HUMAN	Hypoxia up-regulated protein 1	HYOU1
Cells	sp	Q9Y4Z0	LSM4_HUMAN	U6 snRNA-associated Sm-like protein LSm4	LSM4
Cells	sp	Q9Y536	PAL4A_HUMAN	Peptidyl-prolyl cis-trans isomerase A-like 4A	PPIAL4A
Cells	sp	Q9Y5A9	YTHDF2_HUMAN	YTH domain-containing family protein 2	YTHDF2
Cells	sp	Q9Y5J7	TIM9_HUMAN	Mitochondrial import inner membrane translocase subunit Tim9	TIMM9
Cells	sp	Q9Y5K6	CD2AP_HUMAN	CD2-associated protein	CD2AP
Cells	sp	Q9Y5K8	VATD_HUMAN	V-type proton ATPase subunit D	ATP6V1D
Cells	sp	Q9Y5L4	TIM13_HUMAN	Mitochondrial import inner membrane translocase subunit Tim13	TIMM13
Cells	sp	Q9Y5S9	RBM8A_HUMAN	RNA-binding protein 8A	RBM8A
Cells	sp	Q9Y617	SERC_HUMAN	Phosphoserine aminotransferase	PSAT1
Cells	sp	Q9Y624	JAM1_HUMAN	Junctional adhesion molecule A	F11R
Cells	sp	Q9Y639	NPTN_HUMAN	Neuroplastin	NPTN
Cells	sp	Q9Y6B6	SAR1B_HUMAN	GTP-binding protein SAR1b	SAR1B
Cells	sp	Q9Y6G9	DC1L1_HUMAN	Cytoplasmic dynein 1 light intermediate chain 1	DYNC1L1
Cells	sp	Q9Y6H1	CHCH2_HUMAN	Coiled-coil-helix-coiled-coil-helix domain-containing protein 2	CHCHD2
Cells	sp	Q9Y6I3	EPN1_HUMAN	Epsin-1	EPN1
Cells	sp	Q9Y6M1	IF2B2_HUMAN	Insulin-like growth factor 2 mRNA-binding protein 2	IGF2BP2
Cells&Exosomes	tr	A0A2R8Y619	A0A2R8Y619_HUMAN	Histone H2B	LOC114483833
Cells&Exosomes	sp	A5A3E0	POTEF_HUMAN	POTE ankyrin domain family member F	POTEF
Cells&Exosomes	sp	A6NIZ1	RP1BL_HUMAN	Ras-related protein Rap-1b-like protein	-
Cells&Exosomes	sp	A6NMY6	AXA2L_HUMAN	Putative annexin A2-like protein	ANXA2P2
Cells&Exosomes	sp	A6NNZ2	TUBB8B_HUMAN	Tubulin beta 8B	TUBB8B
Cells&Exosomes	sp	O00299	CLIC1_HUMAN	Chloride intracellular channel protein 1	CLIC1
Cells&Exosomes	sp	O14556	G3PT_HUMAN	Glyceraldehyde-3-phosphate dehydrogenase, testis-specific	GAPDHS
Cells&Exosomes	sp	O14818	PSA7_HUMAN	Proteasome subunit alpha type-7	PSMA7
Cells&Exosomes	sp	O43175	SERA_HUMAN	D-3-phosphoglycerate dehydrogenase	PHGDH
Cells&Exosomes	sp	O43707	ACTN4_HUMAN	Alpha-actinin-4	ACTN4
Cells&Exosomes	sp	O60361	NDK8_HUMAN	Putative nucleoside diphosphate kinase	NME2P1
Cells&Exosomes	sp	O60814	H2B1K_HUMAN	Histone H2B type 1-K	H2BC12
Cells&Exosomes	sp	O75083	WDR1_HUMAN	WD repeat-containing protein 1	WDR1
Cells&Exosomes	sp	O75369	FLNB_HUMAN	Filamin-B	FLNB
Cells&Exosomes	sp	O75874	IDHC_HUMAN	Isocitrate dehydrogenase [NADP] cytoplasmic	IDH1
Cells&Exosomes	sp	P00338	LDHA_HUMAN	L-lactate dehydrogenase A chain	LDHA
Cells&Exosomes	sp	P00558	PGK1_HUMAN	Phosphoglycerate kinase 1	PGK1
Cells&Exosomes	sp	P02787	TRFE_HUMAN	Serotransferrin	TF
Cells&Exosomes	sp	P02788	TRFL_HUMAN	Lactotransferrin	LTF
Cells&Exosomes	sp	P04075	ALDOA_HUMAN	Fructose-bisphosphate aldolase A	ALDOA
Cells&Exosomes	sp	P04350	TUBB4A_HUMAN	Tubulin beta-4A chain	TUBB4A
Cells&Exosomes	sp	P04406	G3P_HUMAN	Glyceraldehyde-3-phosphate dehydrogenase	GAPDH
Cells&Exosomes	sp	P04908	H2A1B_HUMAN	Histone H2A type 1-B/E	H2AC8
Cells&Exosomes	sp	P06396	GELS_HUMAN	Gelsolin	GSN
Cells&Exosomes	sp	P06733	ENOA_HUMAN	Alpha-enolase	ENO1
Cells&Exosomes	sp	P06737	PYGL_HUMAN	Glycogen phosphorylase, liver form	PYGL
Cells&Exosomes	sp	P06744	G6PI_HUMAN	Glucose-6-phosphate isomerase	GPI
Cells&Exosomes	sp	P06748	NPM_HUMAN	Nucleophosmin	NPM1

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Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Cells&Exosomes	sp	P06899	H2B1J_HUMAN	Histone H2B type 1-J	H2BC11
Cells&Exosomes	sp	P07195	LDHB_HUMAN	L-lactate dehydrogenase B chain	LDHB
Cells&Exosomes	sp	P07339	CATD_HUMAN	Cathepsin D	CTSD
Cells&Exosomes	sp	P07355	ANXA2_HUMAN	Annexin A2	ANXA2
Cells&Exosomes	sp	P07437	TBB5_HUMAN	Tubulin beta chain	TUBB
Cells&Exosomes	sp	P07737	PROF1_HUMAN	Profilin-1	PFN1
Cells&Exosomes	sp	P07900	HS90A_HUMAN	Heat shock protein HSP 90-alpha	HSP90AA1
Cells&Exosomes	sp	P08238	HS90B_HUMAN	Heat shock protein HSP 90-beta	HSP90AB1
Cells&Exosomes	sp	P08865	RSSA_HUMAN	40S ribosomal protein SA	RPSA
Cells&Exosomes	sp	P09104	ENOG_HUMAN	Gamma-enolase	ENO2
Cells&Exosomes	sp	P09211	GSTP1_HUMAN	Glutathione S-transferase P	GSTP1
Cells&Exosomes	sp	P09972	ALDOC_HUMAN	Fructose-bisphosphate aldolase C	ALDOC
Cells&Exosomes	sp	P0C055	H2AZ_HUMAN	Histone H2A.Z	H2AZ1
Cells&Exosomes	sp	P0C058	H2A1_HUMAN	Histone H2A type 1	H2AC16
Cells&Exosomes	sp	P0CG38	POTEI_HUMAN	POTE ankyrin domain family member I	POTEI
Cells&Exosomes	sp	P0CG39	POTEJ_HUMAN	POTE ankyrin domain family member J	POTEJ
Cells&Exosomes	sp	P0CG47	UBB_HUMAN	Polyubiquitin-B	UBB
Cells&Exosomes	sp	P0CG48	UBC_HUMAN	Polyubiquitin-C	UBC
Cells&Exosomes	sp	P0DMV8	HS71A_HUMAN	Heat shock 70 kDa protein 1A	HSPA1A
Cells&Exosomes	sp	P0DMV9	HS71B_HUMAN	Heat shock 70 kDa protein 1B	HSPA1B
Cells&Exosomes	sp	P0DPH7	TBA3C_HUMAN	Tubulin alpha-3C chain	TUBA3C
Cells&Exosomes	sp	P0DPH8	TBA3D_HUMAN	Tubulin alpha-3D chain	TUBA3D
Cells&Exosomes	sp	P11021	BIP_HUMAN	Endoplasmic reticulum chaperone BiP	HSPA5
Cells&Exosomes	sp	P11142	HSP7C_HUMAN	Heat shock cognate 71 kDa protein	HSPA8
Cells&Exosomes	sp	P11216	PYGB_HUMAN	Glycogen phosphorylase, brain form	PYGB
Cells&Exosomes	sp	P11717	MPRI_HUMAN	Cation-independent mannose-6-phosphate receptor	IGF2R
Cells&Exosomes	sp	P12814	ACTN1_HUMAN	Alpha-actinin-1	ACTN1
Cells&Exosomes	sp	P12955	PEPD_HUMAN	Xaa-Pro dipeptidase	PEPD
Cells&Exosomes	sp	P13639	EF2_HUMAN	Elongation factor 2	EEF2
Cells&Exosomes	sp	P13929	ENOB_HUMAN	Beta-enolase	ENO3
Cells&Exosomes	sp	P14174	MIF_HUMAN	Macrophage migration inhibitory factor	MIF
Cells&Exosomes	sp	P14550	AK1A1_HUMAN	Aldo-keto reductase family 1 member A1	AKR1A1
Cells&Exosomes	sp	P14618	KPYM_HUMAN	Pyruvate kinase PKM	PKM
Cells&Exosomes	sp	P14625	ENPL_HUMAN	Endoplasmin	HSP90B1
Cells&Exosomes	sp	P15121	ALDR_HUMAN	Aldo-keto reductase family 1 member B1	AKR1B1
Cells&Exosomes	sp	P15259	PGAM2_HUMAN	Phosphoglycerate mutase 2	PGAM2
Cells&Exosomes	sp	P15311	EZR1_HUMAN	Ezrin	EZR
Cells&Exosomes	sp	P15531	NDKA_HUMAN	Nucleoside diphosphate kinase A	NME1
Cells&Exosomes	sp	P16104	H2AX_HUMAN	Histone H2AX	H2AX
Cells&Exosomes	sp	P16401	H15_HUMAN	Histone H1.5	H1-5
Cells&Exosomes	sp	P17066	HSP76_HUMAN	Heat shock 70 kDa protein 6	HSPA6
Cells&Exosomes	sp	P18206	VINC_HUMAN	Vinculin	VCL
Cells&Exosomes	sp	P18669	PGAM1_HUMAN	Phosphoglycerate mutase 1	PGAM1
Cells&Exosomes	sp	P20671	H2A1D_HUMAN	Histone H2A type 1-D	H2AC7
Cells&Exosomes	sp	P21333	FLNA_HUMAN	Filamin-A	FLNA
Cells&Exosomes	sp	P22314	UBA1_HUMAN	Ubiquitin-like modifier-activating enzyme 1	UBA1
Cells&Exosomes	sp	P22392	NDKB_HUMAN	Nucleoside diphosphate kinase B	NME2
Cells&Exosomes	sp	P23526	SAHH_HUMAN	Adenosylhomocysteinase	AHCY
Cells&Exosomes	sp	P23527	H2B1O_HUMAN	Histone H2B type 1-O	H2BC17
Cells&Exosomes	sp	P23528	COF1_HUMAN	Cofilin-1	CFL1
Cells&Exosomes	sp	P25787	PSA2_HUMAN	Proteasome subunit alpha type-2	PSMA2
Cells&Exosomes	sp	P25788	PSA3_HUMAN	Proteasome subunit alpha type-3	PSMA3
Cells&Exosomes	sp	P25789	PSA4_HUMAN	Proteasome subunit alpha type-4	PSMA4
Cells&Exosomes	sp	P26038	MOES_HUMAN	Moesin	MSN
Cells&Exosomes	sp	P26641	EF1G_HUMAN	Elongation factor 1-gamma	EEF1G
Cells&Exosomes	sp	P27348	1433T_HUMAN	14-3-3 protein theta	YWHAQ
Cells&Exosomes	sp	P28066	PSA5_HUMAN	Proteasome subunit alpha type-5	PSMA5
Cells&Exosomes	sp	P28070	PSB4_HUMAN	Proteasome subunit beta type-4	PSMB4
Cells&Exosomes	sp	P28072	PSB6_HUMAN	Proteasome subunit beta type-6	PSMB6
Cells&Exosomes	sp	P29401	TKT_HUMAN	Transketolase	TKT
Cells&Exosomes	sp	P30086	PEBP1_HUMAN	Phosphatidylethanolamine-binding protein 1	PEBP1
Cells&Exosomes	sp	P30613	KPYR_HUMAN	Pyruvate kinase PKLR	PKLR
Cells&Exosomes	sp	P31150	GDIA_HUMAN	Rab GDP dissociation inhibitor alpha	GD11
Cells&Exosomes	sp	P31946	1433B_HUMAN	14-3-3 protein beta/alpha	YWHA8
Cells&Exosomes	sp	P32119	PRDX2_HUMAN	Peroxiredoxin-2	PRDX2
Cells&Exosomes	sp	P33778	H2B1B_HUMAN	Histone H2B type 1-B	H2BC3
Cells&Exosomes	sp	P34931	HS71L_HUMAN	Heat shock 70 kDa protein 1-like	HSPA1L
Cells&Exosomes	sp	P35241	RADI_HUMAN	Radixin	RDX
Cells&Exosomes	sp	P35579	MYH9_HUMAN	Myosin-9	MYH9
Cells&Exosomes	sp	P35609	ACTN2_HUMAN	Alpha-actinin-2	ACTN2
Cells&Exosomes	sp	P37802	TAGL2_HUMAN	Transgelin-2	TAGLN2
Cells&Exosomes	sp	P40123	CAP2_HUMAN	Adenylyl cyclase-associated protein 2	CAP2
Cells&Exosomes	sp	P41250	GARS_HUMAN	Glycine-tRNA ligase	GARS1
Cells&Exosomes	sp	P48741	HSP77_HUMAN	Putative heat shock 70 kDa protein 7	HSPA7
Cells&Exosomes	sp	P49327	FAS_HUMAN	Fatty acid synthase	FASN
Cells&Exosomes	sp	P50395	GDIB_HUMAN	Rab GDP dissociation inhibitor beta	GD12
Cells&Exosomes	sp	P54652	HSP72_HUMAN	Heat shock-related 70 kDa protein 2	HSPA2
Cells&Exosomes	sp	P55072	TERA_HUMAN	Transitional endoplasmic reticulum ATPase	VCP
Cells&Exosomes	sp	P55209	NP111_HUMAN	Nucleosome assembly protein 1-like 1	NAP111
Cells&Exosomes	sp	P57053	H2BFS_HUMAN	Histone H2B type F-5	H2BS1
Cells&Exosomes	sp	P58876	H2B1D_HUMAN	Histone H2B type 1-D	H2BC5
Cells&Exosomes	sp	P60174	TPIS_HUMAN	Triosephosphate isomerase	TP11
Cells&Exosomes	sp	P60709	ACTB_HUMAN	Actin, cytoplasmic 1	ACTB
Cells&Exosomes	sp	P60842	IF4A1_HUMAN	Eukaryotic initiation factor 4A-1	EIF4A1
Cells&Exosomes	sp	P60900	PSA6_HUMAN	Proteasome subunit alpha type-6	PSMA6
Cells&Exosomes	sp	P61224	RAP1B_HUMAN	Ras-related protein Rap-1b	RAP1B
Cells&Exosomes	sp	P61981	1433G_HUMAN	14-3-3 protein gamma	YWHA6
Cells&Exosomes	sp	P62258	1433E_HUMAN	14-3-3 protein epsilon	YWHA6
Cells&Exosomes	sp	P62736	ACTA_HUMAN	Actin, aortic smooth muscle	ACTA2
Cells&Exosomes	sp	P62805	H4_HUMAN	Histone H4	H4C8

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Cells&Exosomes	sp	P62807	H2B1C_HUMAN	Histone H2B type 1-C/E/F/G/I	H2BC4
Cells&Exosomes	sp	P62826	RAN_HUMAN	GTP-binding nuclear protein Ran	RAN
Cells&Exosomes	sp	P62834	RAP1A_HUMAN	Ras-related protein Rap-1A	RAP1A
Cells&Exosomes	sp	P62937	PPIA_HUMAN	Peptidyl-prolyl cis-trans isomerase A	PPIA
Cells&Exosomes	sp	P62979	RS27A_HUMAN	Ubiquitin-40S ribosomal protein S27a	RPS27A
Cells&Exosomes	sp	P62987	RL40_HUMAN	Ubiquitin-60S ribosomal protein L40	UBA52
Cells&Exosomes	sp	P63104	I433Z_HUMAN	14-3-3 protein zeta/delta	YWHAZ
Cells&Exosomes	sp	P63261	ACTG_HUMAN	Actin, cytoplasmic 2	ACTG1
Cells&Exosomes	sp	P63267	ACTH_HUMAN	Actin, gamma-enteric smooth muscle	ACTG2
Cells&Exosomes	sp	P68032	ACTC_HUMAN	Actin, alpha cardiac muscle 1	ACTC1
Cells&Exosomes	sp	P68104	EF1A1_HUMAN	Elongation factor 1-alpha 1	EF1A1
Cells&Exosomes	sp	P68133	ACTS_HUMAN	Actin, alpha skeletal muscle	ACTA1
Cells&Exosomes	sp	P68363	TBA1B_HUMAN	Tubulin alpha-1B chain	TUBA1B
Cells&Exosomes	sp	P68366	TBA4A_HUMAN	Tubulin alpha-4A chain	TUBA4A
Cells&Exosomes	sp	P68371	TBB4B_HUMAN	Tubulin beta-4B chain	TUBB4B
Cells&Exosomes	sp	P69905	HBA_HUMAN	Hemoglobin subunit alpha	HBA2
Cells&Exosomes	sp	P78371	TCPB_HUMAN	T-complex protein 1 subunit beta	CCT2
Cells&Exosomes	sp	Q00610	CLH1_HUMAN	Clathrin heavy chain 1	CLTC
Cells&Exosomes	sp	Q01518	CAP1_HUMAN	Adenylyl cyclase-associated protein 1	CAP1
Cells&Exosomes	sp	Q05639	EF1A2_HUMAN	Elongation factor 1-alpha 2	EF1A2
Cells&Exosomes	sp	Q06830	PRDX1_HUMAN	Peroxiredoxin-1	PRDX1
Cells&Exosomes	sp	Q08380	LG3BP_HUMAN	Galectin-3-binding protein	LGALS3BP
Cells&Exosomes	sp	Q12931	TRAP1_HUMAN	Heat shock protein 75 kDa, mitochondrial	TRAP1
Cells&Exosomes	sp	Q13509	TBB3_HUMAN	Tubulin beta-3 chain	TUBB3
Cells&Exosomes	sp	Q13885	TBB2A_HUMAN	Tubulin beta-2A chain	TUBB2A
Cells&Exosomes	sp	Q14019	COTL1_HUMAN	Coactosin-like protein	COTL1
Cells&Exosomes	sp	Q14240	IF4A2_HUMAN	Eukaryotic initiation factor 4A-II	EIF4A2
Cells&Exosomes	sp	Q14315	FLNC_HUMAN	Filamin-C	FLNC
Cells&Exosomes	sp	Q14568	HS902_HUMAN	Heat shock protein HSP 90-alpha A2	HSP90AA2P
Cells&Exosomes	sp	Q14974	IMB1_HUMAN	Importin subunit beta-1	KPNB1
Cells&Exosomes	sp	Q16777	H2A2C_HUMAN	Histone H2A type 2-C	H2AC20
Cells&Exosomes	sp	Q16778	H2B2E_HUMAN	Histone H2B type 2-E	H2BC21
Cells&Exosomes	sp	Q3ZCM7	TBB8_HUMAN	Tubulin beta-8 chain	TUBB8
Cells&Exosomes	sp	Q562R1	ACTBL_HUMAN	Beta-actin-like protein 2	ACTBL2
Cells&Exosomes	sp	Q58FF6	H90B4_HUMAN	Putative heat shock protein HSP 90-beta 4	HSP90AB4P
Cells&Exosomes	sp	Q58FF7	H90B3_HUMAN	Putative heat shock protein HSP 90-beta-3	HSP90AB3P
Cells&Exosomes	sp	Q58FF8	H90B2_HUMAN	Putative heat shock protein HSP 90-beta 2	HSP90AB2P
Cells&Exosomes	sp	Q58FG1	HS904_HUMAN	Putative heat shock protein HSP 90-alpha A4	HSP90AA4P
Cells&Exosomes	sp	Q5QNW6	H2B2F_HUMAN	Histone H2B type 2-F	H2BC18
Cells&Exosomes	sp	Q5VTE0	EF1A3_HUMAN	Putative elongation factor 1-alpha-like 3	EF1A1P5
Cells&Exosomes	sp	Q6DN03	H2B2C_HUMAN	Putative histone H2B type 2-C	H2BC20P
Cells&Exosomes	sp	Q6DRA6	H2B2D_HUMAN	Putative histone H2B type 2-D	H2BC19P
Cells&Exosomes	sp	Q6F113	H2A2A_HUMAN	Histone H2A type 2-A	H2AC19
Cells&Exosomes	sp	Q6PEY2	TBA3E_HUMAN	Tubulin alpha-3E chain	TUBA3E
Cells&Exosomes	sp	Q6S8J3	POTEE_HUMAN	POTE ankyrin domain family member E	POTEE
Cells&Exosomes	sp	Q6YHK3	CD109_HUMAN	CD109 antigen	CD109
Cells&Exosomes	sp	Q71U36	TBA1A_HUMAN	Tubulin alpha-1A chain	TUBA1A
Cells&Exosomes	sp	Q71U19	H2AV_HUMAN	Histone H2A.V	H2AZ2
Cells&Exosomes	sp	Q7L7L0	H2A3_HUMAN	Histone H2A type 3	H2AW
Cells&Exosomes	sp	Q81UE6	H2A2B_HUMAN	Histone H2A type 2-B	H2AC21
Cells&Exosomes	sp	Q8N0Y7	PGAM4_HUMAN	Probable phosphoglycerate mutase 4	PGAM4
Cells&Exosomes	sp	Q8N257	H2B3B_HUMAN	Histone H2B type 3-B	H2BU1
Cells&Exosomes	sp	Q8TAA3	PSMA8_HUMAN	Proteasome subunit alpha-type 8	PSMA8
Cells&Exosomes	sp	Q92820	GGH_HUMAN	Gamma-glutamyl hydrolase	GGH
Cells&Exosomes	sp	Q93077	H2A1C_HUMAN	Histone H2A type 1-C	H2AC6
Cells&Exosomes	sp	Q93079	H2B1H_HUMAN	Histone H2B type 1-H	H2BC9
Cells&Exosomes	sp	Q96A08	H2B1A_HUMAN	Histone H2B type 1-A	H2BC1
Cells&Exosomes	sp	Q96K65	H2A1H_HUMAN	Histone H2A type 1-H	H2AC12
Cells&Exosomes	sp	Q96QV6	H2A1A_HUMAN	Histone H2A type 1-A	H2AC1
Cells&Exosomes	sp	Q99877	H2B1N_HUMAN	Histone H2B type 1-N	H2BC15
Cells&Exosomes	sp	Q99878	H2A1J_HUMAN	Histone H2A type 1-J	H2AC14
Cells&Exosomes	sp	Q99879	H2B1M_HUMAN	Histone H2B type 1-M	H2BC14
Cells&Exosomes	sp	Q99880	H2B1L_HUMAN	Histone H2B type 1-L	H2BC13
Cells&Exosomes	sp	Q9BQE3	TBA1C_HUMAN	Tubulin alpha-1C chain	TUBA1C
Cells&Exosomes	sp	Q9BTM1	H2AJ_HUMAN	Histone H2A.J	H2AJ
Cells&Exosomes	sp	Q9BUF5	TBB6_HUMAN	Tubulin beta-6 chain	TUBB6
Cells&Exosomes	sp	Q9BVA1	TBB2B_HUMAN	Tubulin beta-2B chain	TUBB2B
Cells&Exosomes	sp	Q9BYX7	ACTBM_HUMAN	Putative beta-actin-like protein 3	POTEKP
Cells&Exosomes	sp	Q9H4B7	TBB1_HUMAN	Tubulin beta-1 chain	TUBB1
Cells&Exosomes	sp	Q9H853	TBA4B_HUMAN	Putative tubulin-like protein alpha-4B	TUBA4B
Cells&Exosomes	sp	Q9NY65	TBA8_HUMAN	Tubulin alpha-8 chain	TUBA8
Cells&Exosomes	sp	Q9Y281	COF2_HUMAN	Cofilin-2	CFL2
Cells&Exosomes	sp	Q9Y490	TLN1_HUMAN	Talin-1	TLN1
Exosomes	sp	Q00391	QSOX1_HUMAN	Sulphydryl oxidase 1	QSOX1
Exosomes	sp	Q00468	AGRIN_HUMAN	Agrin	AGRIN
Exosomes	sp	Q15230	LAMA5_HUMAN	Laminin subunit alpha-5	LAMA5
Exosomes	sp	Q95084	PRSS23_HUMAN	Serine protease 23	PRSS23
Exosomes	sp	Q95497	VNN1_HUMAN	Pantetheinase	VNN1
Exosomes	sp	Q95498	VNN2_HUMAN	Vascular non-inflammatory molecule 2	VNN2
Exosomes	sp	P00450	CERU_HUMAN	Ceruloplasmin	CP
Exosomes	sp	P00488	F13A_HUMAN	Coagulation factor XIII A chain	F13A1
Exosomes	sp	P00734	THRB_HUMAN	Prothrombin	F2
Exosomes	sp	P00742	FA10_HUMAN	Coagulation factor X	F10
Exosomes	sp	P00966	ASSY_HUMAN	Argininosuccinate synthase	ASS1
Exosomes	sp	P01008	ANT3_HUMAN	Antithrombin-III	SERPINC1
Exosomes	sp	P01023	A2MG_HUMAN	Alpha-2-macroglobulin	A2M
Exosomes	sp	P01024	CO3_HUMAN	Complement C3	C3
Exosomes	sp	P01031	CO5_HUMAN	Complement C5	C5
Exosomes	sp	P02008	HBAZ_HUMAN	Hemoglobin subunit zeta	HBZ
Exosomes	sp	P02042	HBD_HUMAN	Hemoglobin subunit delta	HBD

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Exosomes	sp	P02100	HBE_HUMAN	Hemoglobin subunit epsilon	HBE1
Exosomes	sp	P02452	CO1A1_HUMAN	Collagen alpha-1(I) chain	COL1A1
Exosomes	sp	P02458	CO2A1_HUMAN	Collagen alpha-1(II) chain	COL2A1
Exosomes	sp	P02461	CO3A1_HUMAN	Collagen alpha-1(III) chain	COL3A1
Exosomes	sp	P02647	APOA1_HUMAN	Apolipoprotein A-I	APOA1
Exosomes	sp	P02649	APOE_HUMAN	Apolipoprotein E	APOE
Exosomes	sp	P02656	APOC3_HUMAN	Apolipoprotein C-III	APOC3
Exosomes	sp	P02675	FIBB_HUMAN	Fibrinogen beta chain	FGB
Exosomes	sp	P02748	CO9_HUMAN	Complement component C9	C9
Exosomes	sp	P02749	APOH_HUMAN	Beta-2-glycoprotein 1	APOH
Exosomes	sp	P02751	FINC_HUMAN	Fibronectin	FN1
Exosomes	sp	P02753	RET4_HUMAN	Retinol-binding protein 4	RBP4
Exosomes	sp	P02771	FETA_HUMAN	Alpha-fetoprotein	AFP
Exosomes	sp	P04004	VTNC_HUMAN	Vitronectin	VTN
Exosomes	sp	P04114	APOB_HUMAN	Apolipoprotein B-100	APOB
Exosomes	sp	P04180	LCAT_HUMAN	Phosphatidylcholine-sterol acyltransferase	LCAT
Exosomes	sp	P04278	SHBG_HUMAN	Sex hormone-binding globulin	SHBG
Exosomes	sp	P04745	AMY1_HUMAN	Alpha-amylase 1	AMY1A
Exosomes	sp	P04746	AMYP_HUMAN	Pancreatic alpha-amylase	AMY2A
Exosomes	sp	P05121	PAI1_HUMAN	Plasminogen activator inhibitor 1	SERPINE1
Exosomes	sp	P05155	IC1_HUMAN	Plasma protease C1 inhibitor	SERPINC1
Exosomes	sp	P05452	TETN_HUMAN	Tetranectin	CLEC3B
Exosomes	sp	P05543	THBG_HUMAN	Thyroxine-binding globulin	SERPINA7
Exosomes	sp	P05546	HEP2_HUMAN	Heparin cofactor 2	SERPIND1
Exosomes	sp	P07942	LAMB1_HUMAN	Laminin subunit beta-1	LAMB1
Exosomes	sp	P07996	TSP1_HUMAN	Thrombospondin-1	THBS1
Exosomes	sp	P08123	CO1A2_HUMAN	Collagen alpha-2(I) chain	COL1A2
Exosomes	sp	P08263	GSTA1_HUMAN	Glutathione S-transferase A1	GSTA1
Exosomes	sp	P08697	A2AP_HUMAN	Alpha-2-antiplasmin	SERPINF2
Exosomes	sp	P09210	GSTA2_HUMAN	Glutathione S-transferase A2	GSTA2
Exosomes	sp	P0C0L4	CO4A_HUMAN	Complement C4-A	C4A
Exosomes	sp	P0C0L5	CO4B_HUMAN	Complement C4-B	C4B_2
Exosomes	sp	P10643	CO7_HUMAN	Complement component C7	C7
Exosomes	sp	P10909	CLUS_HUMAN	Clusterin	CLU
Exosomes	sp	P11047	LAMC1_HUMAN	Laminin subunit gamma-1	LAMC1
Exosomes	sp	P12109	CO6A1_HUMAN	Collagen alpha-1(VI) chain	COL6A1
Exosomes	sp	P12111	CO6A3_HUMAN	Collagen alpha-3(VI) chain	COL6A3
Exosomes	sp	P12259	FA5_HUMAN	Coagulation factor V	F5
Exosomes	sp	P15169	CBPN_HUMAN	Carboxypeptidase N catalytic chain	CPN1
Exosomes	sp	P18065	IBP2_HUMAN	Insulin-like growth factor-binding protein 2	IGFBP2
Exosomes	sp	P19823	ITIH2_HUMAN	Inter-alpha-trypsin inhibitor heavy chain H2	ITIH2
Exosomes	sp	P19827	ITIH1_HUMAN	Inter-alpha-trypsin inhibitor heavy chain H1	ITIH1
Exosomes	sp	P19961	AMY2B_HUMAN	Alpha-amylase 2B	AMY2B
Exosomes	sp	P20742	PZP_HUMAN	Pregnancy zone protein	PZP
Exosomes	sp	P20774	MIME_HUMAN	Mimecan	OGN
Exosomes	sp	P20908	COS1A1_HUMAN	Collagen alpha-1(V) chain	COL5A1
Exosomes	sp	P22352	GPX3_HUMAN	Glutathione peroxidase 3	GPX3
Exosomes	sp	P23142	FBLN1_HUMAN	Fibulin-1	FBLN1
Exosomes	sp	P24821	TENA_HUMAN	Tenascin	TNC
Exosomes	sp	P32754	HPPD_HUMAN	4-hydroxyphenylpyruvate dioxygenase	HPD
Exosomes	sp	P35442	TSP2_HUMAN	Thrombospondin-2	THBS2
Exosomes	sp	P35443	TSP4_HUMAN	Thrombospondin-4	THBS4
Exosomes	sp	P36955	PEDF_HUMAN	Pigment epithelium-derived factor	SERPINF1
Exosomes	sp	P49746	TSP3_HUMAN	Thrombospondin-3	THBS3
Exosomes	sp	P49747	COMP_HUMAN	Cartilage oligomeric matrix protein	COMP
Exosomes	sp	P51570	GALK1_HUMAN	Galactokinase	GALK1
Exosomes	sp	P51884	LUM_HUMAN	Lumican	LUM
Exosomes	sp	P55058	PLTP_HUMAN	Phospholipid transfer protein	PLTP
Exosomes	sp	P68871	HBB_HUMAN	Hemoglobin subunit beta	HBB
Exosomes	sp	P69891	HBG1_HUMAN	Hemoglobin subunit gamma-1	HBG1
Exosomes	sp	P69892	HBG2_HUMAN	Hemoglobin subunit gamma-2	HBG2
Exosomes	sp	P98160	PGBM_HUMAN	Basement membrane-specific heparan sulfate proteoglycan core protein	HSPG2
Exosomes	sp	Q04756	HGFA_HUMAN	Hepatocyte growth factor activator	HGFAC
Exosomes	sp	Q06033	ITIH3_HUMAN	Inter-alpha-trypsin inhibitor heavy chain H3	ITIH3
Exosomes	sp	Q06828	FMOD_HUMAN	Fibromodulin	FMOD
Exosomes	sp	Q07954	LRP1_HUMAN	Prolow-density lipoprotein receptor-related protein 1	LRP1
Exosomes	sp	Q12860	CNTN1_HUMAN	Contactin-1	CNTN1
Exosomes	sp	Q14112	NID2_HUMAN	Nidogen-2	NID2
Exosomes	sp	Q14624	ITIH4_HUMAN	Inter-alpha-trypsin inhibitor heavy chain H4	ITIH4
Exosomes	sp	Q15063	POSTN_HUMAN	Periostin	POSTN
Exosomes	sp	Q15493	RGN_HUMAN	Regucalcin	RGN
Exosomes	sp	Q15582	BGH3_HUMAN	Transforming growth factor-beta-induced protein ig-h3	TGFB1
Exosomes	sp	Q16772	GSTA3_HUMAN	Glutathione S-transferase A3	GSTA3
Exosomes	sp	Q16853	AOC3_HUMAN	Membrane primary amine oxidase	AOC3
Exosomes	sp	Q76LX8	ATS13_HUMAN	A disintegrin and metalloproteinase with thrombospondin motifs 13	ADAMTS13
Exosomes	sp	Q86UX7	URP2_HUMAN	Fermitin family homolog 3	FERMT3
Exosomes	sp	Q93088	BHMT1_HUMAN	Betaine-homocysteine S-methyltransferase 1	BHMT
Exosomes	sp	Q97115	COCA1_HUMAN	Collagen alpha-1(XII) chain	COL12A1
Exosomes	sp	Q98X14	C1QT3_HUMAN	Complement C1q tumor necrosis factor-related protein 3	C1QTNF3
Exosomes	sp	Q9GZM7	TINAL_HUMAN	Tubulointerstitial nephritis antigen-like	TINAGL1
Exosomes	sp	Q9H2M3	BHMT2_HUMAN	S-methylmethionine-homocysteine S-methyltransferase BHMT2	BHMT2
Exosomes	sp	Q9UK55	ZPI_HUMAN	Protein Z-dependent protease inhibitor	SERPINA10
Exosomes	sp	Q9Y240	CLC11_HUMAN	C-type lectin domain family 11 member A	CLEC11A
Exosomes	sp	Q9Y4G6	TLN2_HUMAN	Talin-2	TLN2
Not defined	tr	A0A024R1R8	A0A024R1R8_HUMAN	HCG2014768, isoform CRA_a	ENSG00000225528
Not defined	sp	A0A024RBG1	NUD4B_HUMAN	Diphosphoinositol polyphosphate phosphohydrolase NUDT4B	NUDT4B
Not defined	sp	A0A075B6K4	LV310_HUMAN	Immunoglobulin lambda variable 3-10	IGLV3-10
Not defined	tr	A0A087X1L8	A0A087X1L8_HUMAN	Ig-like domain-containing protein	LOC102723996
Not defined	sp	A0A096LP55	QCR6L_HUMAN	Cytochrome b-c1 complex subunit 6-like, mitochondrial	UQCRHL
Not defined	tr	A0A084J2E5	A0A084J2E5_HUMAN	Uncharacterized protein	LOC102724159

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Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	A0A0B4J2F0	PIOS1_HUMAN	Protein PIGBOS1	PIGBOS1
Not defined	sp	A0A0C4DH25	KVD20_HUMAN	Immunoglobulin kappa variable 3D-20	IGKV3D-20
Not defined	sp	A0A0C4DH68	KV224_HUMAN	Immunoglobulin kappa variable 2-24	IGKV2-24
Not defined	sp	A0A0U1RR11	CENL1_HUMAN	Centromere protein V-like protein 1	CENPVL1
Not defined	sp	A0A0U1RR16	CENL3_HUMAN	Centromere protein V-like protein 3	CENPVL3
Not defined	tr	A0A140TA62	A0A140TA62_HUMAN	IF rod domain-containing protein	ENSG00000262748
Not defined	sp	A0A1B0GTH6	CS2IP_HUMAN	Casein kinase II subunit alpha'-interacting protein	CSNKA2IP
Not defined	sp	A0A1B0GTS1	H5FX4_HUMAN	Heat shock transcription factor, X-linked member 4	H5FX4
Not defined	tr	A0A1B0GUL7	A0A1B0GUL7_HUMAN	Protein kinase domain-containing protein	ENSG00000230626
Not defined	sp	A0A1B0GUS4	UB2L5_HUMAN	Ubiquitin-conjugating enzyme E2 L5	UBE2L5
Not defined	sp	A0A1B0GVQ3	CC200_HUMAN	Coiled-coil domain-containing protein 200	CCDC200
Not defined	sp	A0A1B0GWH4	H5FX3_HUMAN	Heat shock transcription factor, X-linked member 3	H5FX3
Not defined	tr	A0A1W2PR95	A0A1W2PR95_HUMAN	HCG1642624, isoform CRA_a	ENSG00000266826
Not defined	tr	A0A3B3IU46	A0A3B3IU46_HUMAN	RNA guanine-7 methyltransferase-activating subunit-like (pseudogene)	RAMACL
Not defined	sp	A0AV96	RBM47_HUMAN	RNA-binding protein 47	RBM47
Not defined	sp	A0AVI2	FR1L5_HUMAN	Fer-1-like protein 5	FER1L5
Not defined	sp	A0AVT1	UBA6_HUMAN	Ubiquitin-like modifier-activating enzyme 6	UBA6
Not defined	sp	A0FGR8	ESYT2_HUMAN	Extended synaptotagmin-2	ESYT2
Not defined	sp	A0JLT2	MED19_HUMAN	Mediator of RNA polymerase II transcription subunit 19	MED19
Not defined	sp	A0MZ66	SHOT1_HUMAN	Shootin-1	SHTN1
Not defined	sp	A0PK00	T120B_HUMAN	Transmembrane protein 120B	TMEM120B
Not defined	sp	A0PK11	CLRN2_HUMAN	Clarin-2	CLRN2
Not defined	sp	A1L0T0	HACL2_HUMAN	2-hydroxyacyl-CoA lyase 2	ILVBL
Not defined	sp	A1L162	ERIC2_HUMAN	Glutamate-rich protein 2	ERIC2
Not defined	sp	A1L429	GG12C_HUMAN	G antigen 12B/C/D/E	GAGE12C
Not defined	sp	A1L4H1	SRCL_HUMAN	Soluble scavenger receptor cysteine-rich domain-containing protein SSCSD	SSCSD
Not defined	sp	A1X283	SPD2B_HUMAN	SH3 and PX domain-containing protein 2B	SH3PXD2B
Not defined	sp	A2A368	MAGBG_HUMAN	Melanoma-associated antigen B16	MAGEB16
Not defined	sp	A2A3K4	PTPC1_HUMAN	Protein tyrosine phosphatase domain-containing protein 1	PTPDC1
Not defined	sp	A2A3N6	PIPSL_HUMAN	Putative PIP5K1A and PSMD4-like protein	PIPSL
Not defined	sp	A2CJ06	DYTN_HUMAN	Dystrotelin	DYTN
Not defined	sp	A2RTX5	SYTC2_HUMAN	Threonine-tRNA ligase 2, cytoplasmic	TARS3
Not defined	sp	A2VDF0	FUCM_HUMAN	Fucose mutarotase	FUOM
Not defined	sp	A3KN83	SBNO1_HUMAN	Protein strawberry notch homolog 1	SBNO1
Not defined	sp	A4D2B0	MBLCL1_HUMAN	Metallo-beta-lactamase domain-containing protein 1	MBLCL1
Not defined	sp	A4D2H0	CTGEF_HUMAN	cTAGE family member 15	CTAGE15
Not defined	sp	A5D8V6	VP37C_HUMAN	Vacuolar protein sorting-associated protein 37C	VPS37C
Not defined	sp	A5D8W1	CFA69_HUMAN	Cilia- and flagella-associated protein 69	CFAP69
Not defined	sp	A5PLL7	TM189_HUMAN	Plasmanylethanolamine desaturase	TMEM189
Not defined	sp	A5PLN9	TPC13_HUMAN	Trafficking protein particle complex subunit 13	TRAPP13
Not defined	sp	A6NC98	CC88B_HUMAN	Coiled-coil domain-containing protein 88B	CCDC88B
Not defined	sp	A6NCE7	MP3B2_HUMAN	Microtubule-associated proteins 1A/1B light chain 3 beta 2	MAP1LC3B2
Not defined	sp	A6NCM1	IQCAL_HUMAN	IQ and AAA domain-containing protein 1-like	IQCAL1
Not defined	sp	A6NDB9	PALM3_HUMAN	Paralemmin-3	PALM3
Not defined	sp	A6NDE8	GG12H_HUMAN	G antigen 12H	GAGE12H
Not defined	sp	A6NDU8	CE051_HUMAN	UPF0600 protein C5orf51	C5orf51
Not defined	sp	A6NES5	WDR97_HUMAN	WD repeat-containing protein 97	WDR97
Not defined	sp	A6NEC2	PSAL_HUMAN	Puromycin-sensitive aminopeptidase-like protein	NPEPPL1
Not defined	sp	A6NER3	GG12J_HUMAN	G antigen 12J	GAGE12J
Not defined	sp	A6NES4	IMRO2A_HUMAN	Maestro heat-like repeat-containing protein family member 2A	MROH2A
Not defined	sp	A6NFE2	SMCO2_HUMAN	Single-pass membrane and coiled-coil domain-containing protein 2	SMCO2
Not defined	sp	A6NFT4	CFA73_HUMAN	Cilia- and flagella-associated protein 73	CFAP73
Not defined	sp	A6NGU5	GGT3_HUMAN	Putative glutathione hydrolase 3 proenzyme	GGT3P
Not defined	sp	A6NHQ2	FBLL1_HUMAN	rRNA/tRNA 2'-O-methyltransferase fibrillar-like protein 1	FBLL1
Not defined	sp	A6NHR9	SMHD1_HUMAN	Structural maintenance of chromosomes flexible hinge domain-containing protein 1	SMCHD1
Not defined	sp	A6NI73	LIRAS_HUMAN	Leukocyte immunoglobulin-like receptor subfamily A member 5	LILRA5
Not defined	sp	A6NKB5	PCX2_HUMAN	Pecanex-like protein 2	PCNX2
Not defined	sp	A6NM28	ZFP92_HUMAN	Zinc finger protein 92 homolog	ZFP92
Not defined	sp	A6NMX2	I4E1B_HUMAN	Eukaryotic translation initiation factor 4E type 1B	EIF4E1B
Not defined	sp	A6NMZ7	CO6A6_HUMAN	Collagen alpha-6(VI) chain	COL6A6
Not defined	sp	A6NNS2	DRS7C_HUMAN	Dehydrogenase/reductase SDR family member 7C	DHR57C
Not defined	sp	A6NNY8	UBP27_HUMAN	Ubiquitin carboxyl-terminal hydrolase 27	USP27X
Not defined	sp	A6PVI3	NCB2L_HUMAN	Nuclear cap-binding protein subunit 2-like	NCBP2L
Not defined	sp	A7E2Y1	MYH7B_HUMAN	Myosin-7B	MYH7B
Not defined	sp	A8K0Z3	WASH1_HUMAN	WASH complex subunit 1	WASHC1
Not defined	sp	A8MQ03	CRTP1_HUMAN	Cysteine-rich tail protein 1	CYSRT1
Not defined	sp	A8MT69	CENPX_HUMAN	Centromere protein X	CENPX
Not defined	sp	A8MTI9	PRS47_HUMAN	Putative serine protease 47	PRSS47
Not defined	sp	A8MIT3	CEBOS_HUMAN	Protein CEBPZOS	CEBPZOS
Not defined	sp	A8MUU1	FB5L3_HUMAN	Putative fatty acid-binding protein 5-like protein 3	FABP5P3
Not defined	sp	A8MUV8	ZN727_HUMAN	Putative zinc finger protein 727	ZN727
Not defined	sp	A8MWA6	F90AM_HUMAN	Putative protein FAM90A22P	FAM90A22P
Not defined	sp	A8MWX3	WASH4_HUMAN	Putative WAS protein family homolog 4	WASH4P
Not defined	sp	A8MXT2	MAGBH_HUMAN	Melanoma-associated antigen B17	MAGEB17
Not defined	sp	A8MXV4	NUD19_HUMAN	Nucleoside diphosphate-linked moiety X motif 19	NUDT19
Not defined	sp	A8TX70	CO6A5_HUMAN	Collagen alpha-5(VI) chain	COL6A5
Not defined	sp	A9QM74	IMA8_HUMAN	Importin subunit alpha-8	KPN7
Not defined	sp	A9Z1Z3	FR1L4_HUMAN	Fer-1-like protein 4	FER1L4
Not defined	sp	B1AJZ9	FHAD1_HUMAN	Forkhead-associated domain-containing protein 1	FHAD1
Not defined	sp	B2RTY4	MYO9A_HUMAN	Unconventional myosin-IXa	MYO9A
Not defined	sp	B2RUZ4	SMIM1_HUMAN	Small integral membrane protein 1	SMIM1
Not defined	sp	B5MCN3	S14L6_HUMAN	Putative SEC14-like protein 6	SEC14L6
Not defined	sp	B5MCY1	TDR15_HUMAN	Tudor domain-containing protein 15	TDRD15
Not defined	sp	B5MD39	GGTL3_HUMAN	Putative glutathione hydrolase light chain 3	GGTL3C
Not defined	sp	B5ME19	EIFCL_HUMAN	Eukaryotic translation initiation factor 3 subunit C-like protein	EIF3CL
Not defined	sp	B7U540	KCNJ18_HUMAN	Inward rectifier potassium channel 18	KCNJ18
Not defined	sp	B7Z6K7	ZN814_HUMAN	Zinc finger protein 814	ZN814
Not defined	tr	B7ZLF3	B7ZLF3_HUMAN	Uncharacterized protein	LOC402624
Not defined	sp	B9A064	IGLL5_HUMAN	Immunoglobulin lambda-like polypeptide 5	IGLL5
Not defined	sp	C4AMC7	WASH3_HUMAN	Putative WAS protein family homolog 3	WASH3P

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	C9J069	AJM1_HUMAN	Apical junction component 1 homolog	AJM1
Not defined	sp	C9JBD0	KRBX1_HUMAN	KRAB domain-containing protein 1	KRBOX1
Not defined	sp	C9JLW8	MCR11_HUMAN	Mapk-regulated corepressor-interacting protein 1	MCRIP1
Not defined	sp	C9JN71	ZN878_HUMAN	Zinc finger protein 878	ZN878
Not defined	sp	C9JQI7	TM232_HUMAN	Transmembrane protein 232	TMEM232
Not defined	sp	C9JQL5	DSA2D_HUMAN	Putative dispanin subfamily A member 2d	-
Not defined	sp	C9JRZ8	AK1BF_HUMAN	Aldo-keto reductase family 1 member B15	AKR1B15
Not defined	sp	E5RJM6	ANR65_HUMAN	Ankyrin repeat domain-containing protein 65	ANKRD65
Not defined	sp	E9PJJ5	NPIA7_HUMAN	Nuclear pore complex-interacting protein family member A7	NPIPA7
Not defined	sp	E9PQ53	NDUCR_HUMAN	NADH dehydrogenase [ubiquinone] 1 subunit C2, isoform 2	NDUF2C-KCTD14
Not defined	sp	E9PRG8	CK098_HUMAN	Uncharacterized protein C11orf98	C11orf98
Not defined	sp	F2Z3M2	CQ112_HUMAN	Uncharacterized protein C17orf112	C17orf112
Not defined	sp	G9CGD6	CNIPF_HUMAN	CNK3/IPCEF1 fusion protein	CNK3/IPCEF1
Not defined	sp	H7BZ55	CRCC2_HUMAN	Putative ciliary rootlet coiled-coil protein 2	CROCC2
Not defined	sp	I1YAP6	TRI77_HUMAN	Tripartite motif-containing protein 77	TRIM77
Not defined	sp	O00116	ADAS_HUMAN	Alkylidihydroxyacetonephosphate synthase, peroxisomal	AGPS
Not defined	sp	O00167	EYA2_HUMAN	Eyes absent homolog 2	EYA2
Not defined	sp	O00178	GTPB1_HUMAN	GTP-binding protein 1	GTPBP1
Not defined	sp	O00194	RB27B_HUMAN	Ras-related protein Rab-27B	RAB27B
Not defined	sp	O00203	AP3B1_HUMAN	AP-3 complex subunit beta-1	AP3B1
Not defined	sp	O00214	LEG8_HUMAN	Galectin-8	LGALS8
Not defined	sp	O00219	HYAS3_HUMAN	Hyaluronan synthase 3	HAS3
Not defined	sp	O00220	TR10A_HUMAN	Tumor necrosis factor receptor superfamily member 10A	TNFRSF10A
Not defined	sp	O00232	PSD12_HUMAN	26S proteasome non-ATPase regulatory subunit 12	PSMD12
Not defined	sp	O00257	CBX4_HUMAN	E3 SUMO-protein ligase CBX4	CBX4
Not defined	sp	O00300	TR11B_HUMAN	Tumor necrosis factor receptor superfamily member 11B	TNFRSF11B
Not defined	sp	O00308	WWP2_HUMAN	NEDD4-like E3 ubiquitin-protein ligase WWP2	WWP2
Not defined	sp	O00330	ODPX_HUMAN	Pyruvate dehydrogenase protein X component, mitochondrial	PDHX
Not defined	sp	O00399	DCTN6_HUMAN	Dynactin subunit 6	DCTN6
Not defined	sp	O00401	WASL_HUMAN	Neural Wiskott-Aldrich syndrome protein	WASL
Not defined	sp	O00410	IPO5_HUMAN	Importin-5	IPO5
Not defined	sp	O00411	RPOM_HUMAN	DNA-directed RNA polymerase, mitochondrial	POLRMT
Not defined	sp	O00418	EF2K_HUMAN	Eukaryotic elongation factor 2 kinase	EEF2K
Not defined	sp	O00422	SAP18_HUMAN	Histone deacetylase complex subunit SAP18	SAP18
Not defined	sp	O00423	EMAL1_HUMAN	Echinoderm microtubule-associated protein-like 1	EML1
Not defined	sp	O00429	DNM1L_HUMAN	Dynamin-1-like protein	DNM1L
Not defined	sp	O00442	RTCA_HUMAN	RNA 3'-terminal phosphate cyclase	RTCA
Not defined	sp	O00443	P3C2A_HUMAN	Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha	PIK3C2A
Not defined	sp	O00445	SYT5_HUMAN	Synaptotagmin-5	SYT5
Not defined	sp	O00462	MANBA_HUMAN	Beta-mannosidase	MANBA
Not defined	sp	O00479	HMGN4_HUMAN	High mobility group nucleosome-binding domain-containing protein 4	HMGN4
Not defined	sp	O00481	BT3A1_HUMAN	Butyrophilin subfamily 3 member A1	BTN3A1
Not defined	sp	O00483	NDUA4_HUMAN	Cytochrome c oxidase subunit NDUA4	NDUFA4
Not defined	sp	O00488	ZN593_HUMAN	Zinc finger protein 593	ZN593
Not defined	sp	O00499	BIN1_HUMAN	Myc box-dependent-interacting protein 1	BIN1
Not defined	sp	O00505	IMA4_HUMAN	Importin subunit alpha-4	KPNA3
Not defined	sp	O00506	STK25_HUMAN	Serine/threonine-protein kinase 25	STK25
Not defined	sp	O00507	USP9Y_HUMAN	Probable ubiquitin carboxyl-terminal hydrolase FAF-Y	USP9Y
Not defined	sp	O00512	BCL9_HUMAN	B-cell CLL/lymphoma 9 protein	BCL9
Not defined	sp	O00515	LAD1_HUMAN	Ladinin-1	LAD1
Not defined	sp	O00541	PESC_HUMAN	Pescadillo homolog	PES1
Not defined	sp	O00555	CAC1A_HUMAN	Voltage-dependent P/Q-type calcium channel subunit alpha-1A	CACNA1A
Not defined	sp	O00559	RCAS1_HUMAN	Receptor-binding cancer antigen expressed on SiSo cells	EBAG9
Not defined	sp	O00560	SDCB1_HUMAN	Syntenin-1	SDCBP
Not defined	sp	O00566	MPP10_HUMAN	U3 small nucleolar ribonucleoprotein protein MPP10	MPHOSPH10
Not defined	sp	O00567	NOP56_HUMAN	Nucleolar protein 56	NOP56
Not defined	sp	O00571	DDX3X_HUMAN	ATP-dependent RNA helicase DDX3X	DDX3X
Not defined	sp	O00584	RNT2_HUMAN	Ribonuclease T2	RNASET2
Not defined	sp	O00592	PODXL_HUMAN	Podocalyxin	PODXL
Not defined	sp	O00622	CCN1_HUMAN	CCN family member 1	CCN1
Not defined	sp	O00629	IMA3_HUMAN	Importin subunit alpha-3	KPNA4
Not defined	sp	O00712	NFIB_HUMAN	Nuclear factor 1 B-type	NFIB
Not defined	sp	O00754	MA2B1_HUMAN	Lysosomal alpha-mannosidase	MAN2B1
Not defined	sp	O00757	F16P2_HUMAN	Fructose-1,6-bisphosphatase isozyme 2	FBP2
Not defined	sp	O00762	UBE2C_HUMAN	Ubiquitin-conjugating enzyme E2 C	UBE2C
Not defined	sp	O00767	ACOD_HUMAN	Acyl-CoA desaturase	SCD
Not defined	sp	O14490	DLGAP1_HUMAN	Disks large-associated protein 1	DLGAP1
Not defined	sp	O14493	CLD4_HUMAN	Claudin-4	CLDN4
Not defined	sp	O14494	PLPP1_HUMAN	Phospholipid phosphatase 1	PLPP1
Not defined	sp	O14497	ARID1A_HUMAN	AT-rich interactive domain-containing protein 1A	ARID1A
Not defined	sp	O14503	BHLHE40_HUMAN	Class E basic helix-loop-helix protein 40	BHLHE40
Not defined	sp	O14512	SOC57_HUMAN	Suppressor of cytokine signaling 7	SOC57
Not defined	sp	O14513	NCKP5_HUMAN	Nck-associated protein 5	NCKAP5
Not defined	sp	O14521	DHSD_HUMAN	Succinate dehydrogenase [ubiquinone] cytochrome b small subunit, mitochondrial	SDHD
Not defined	sp	O14529	CUX2_HUMAN	Homeobox protein cut-like 2	CUX2
Not defined	sp	O14530	TXND9_HUMAN	Thioredoxin domain-containing protein 9	TXND9
Not defined	sp	O14548	COX7R_HUMAN	Cytochrome c oxidase subunit 7A-related protein, mitochondrial	COX7A2L
Not defined	sp	O14576	DC111_HUMAN	Cytoplasmic dynein 1 intermediate chain 1	DYNC111
Not defined	sp	O14579	COPE_HUMAN	Coatomer subunit epsilon	COPE
Not defined	sp	O14604	TYB4Y_HUMAN	Thymosin beta-4, Y-chromosomal	TMSB4Y
Not defined	sp	O14617	AP3D1_HUMAN	AP-3 complex subunit delta-1	AP3D1
Not defined	sp	O14618	CCS_HUMAN	Copper chaperone for superoxide dismutase	CCS
Not defined	sp	O14633	LCE2B_HUMAN	Late cornified envelope protein 2B	LCE2B
Not defined	sp	O14639	ABLIM1_HUMAN	Actin-binding LIM protein 1	ABLIM1
Not defined	sp	O14646	CHD1_HUMAN	Chromodomain-helicase-DNA-binding protein 1	CHD1
Not defined	sp	O14653	GOSR2_HUMAN	Golgi SNAP receptor complex member 2	GOSR2
Not defined	sp	O14657	TOR1B_HUMAN	Torsin-1B	TOR1B
Not defined	sp	O14662	STX16_HUMAN	Syntaxin-16	STX16
Not defined	sp	O14672	ADA10_HUMAN	Disintegrin and metalloproteinase domain-containing protein 10	ADAM10
Not defined	sp	O14683	P5111_HUMAN	Tumor protein p53-inducible protein 11	TP53I11

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	O14684	PTGES_HUMAN	Prostaglandin E synthase	PTGES
Not defined	sp	O14713	ITBP1_HUMAN	Integrin beta-1-binding protein 1	ITGB1BP1
Not defined	sp	O14727	APAF_HUMAN	Apoptotic protease-activating factor 1	APAF1
Not defined	sp	O14734	ACOT8_HUMAN	Acyl-coenzyme A thioesterase 8	ACOT8
Not defined	sp	O14757	CHK1_HUMAN	Serine/threonine-protein kinase Chk1	CHEK1
Not defined	sp	O14763	TR10B_HUMAN	Tumor necrosis factor receptor superfamily member 10B	TNFRSF10B
Not defined	sp	O14776	TCRG1_HUMAN	Transcription elongation regulator 1	TCERG1
Not defined	sp	O14786	NRP1_HUMAN	Neuropilin-1	NRP1
Not defined	sp	O14792	HS3S1_HUMAN	Heparan sulfate glucosamine 3-O-sulfotransferase 1	HS3ST1
Not defined	sp	O14817	TSN4_HUMAN	Tetraspanin-4	TSPAN4
Not defined	sp	O14827	RGRF2_HUMAN	Ras-specific guanine nucleotide-releasing factor 2	RASGRF2
Not defined	sp	O14828	SCAM3_HUMAN	Secretory carrier-associated membrane protein 3	SCAMP3
Not defined	sp	O14832	PAHX_HUMAN	Phytanoyl-CoA dioxygenase, peroxisomal	PHYH
Not defined	sp	O14841	OPLA_HUMAN	5-oxoprolinase	OPLAH
Not defined	sp	O14862	AIM2_HUMAN	Interferon-inducible protein AIM2	AIM2
Not defined	sp	O14879	IFIT3_HUMAN	Interferon-induced protein with tetratricopeptide repeats 3	IFIT3
Not defined	sp	O14880	MGST3_HUMAN	Microsomal glutathione S-transferase 3	MGST3
Not defined	sp	O14893	GEM12_HUMAN	Gem-associated protein 2	GEMIN2
Not defined	sp	O14896	IRF6_HUMAN	Interferon regulatory factor 6	IRF6
Not defined	sp	O14908	GIPC1_HUMAN	PDZ domain-containing protein GIPC1	GIPC1
Not defined	sp	O14924	RGS12_HUMAN	Regulator of G-protein signaling 12	RGS12
Not defined	sp	O14929	HAT1_HUMAN	Histone acetyltransferase type B catalytic subunit	HAT1
Not defined	sp	O14936	CSKP_HUMAN	Peripheral plasma membrane protein CASK	CASK
Not defined	sp	O14949	QCR8_HUMAN	Cytochrome b-c1 complex subunit 8	UQCRCQ
Not defined	sp	O14967	CLGN_HUMAN	Calmequin	CLGN
Not defined	sp	O14974	MYP11_HUMAN	Protein phosphatase 1 regulatory subunit 12A	PPP1R12A
Not defined	sp	O14980	XPO1_HUMAN	Exportin-1	XPO1
Not defined	sp	O14983	AT2A1_HUMAN	Sarcoplasmic/endoplasmic reticulum calcium ATPase 1	ATP2A1
Not defined	sp	O15015	ZN646_HUMAN	Zinc finger protein 646	ZNF646
Not defined	sp	O15021	MAST4_HUMAN	Microtubule-associated serine/threonine-protein kinase 4	MAST4
Not defined	sp	O15027	SC16A_HUMAN	Protein transport protein Sec16A	SEC16A
Not defined	sp	O15031	PLXB2_HUMAN	Plexin-B2	PLXNB2
Not defined	sp	O15042	SR140_HUMAN	U2 snRNP-associated SURP motif-containing protein	U2SURP
Not defined	sp	O15050	TRNK1_HUMAN	TPR and ankyrin repeat-containing protein 1	TRANK1
Not defined	sp	O15061	SYNM_HUMAN	Synemin	SYNM
Not defined	sp	O15067	PUR4_HUMAN	Phosphoribosylformylglycinamide synthase	PFAS
Not defined	sp	O15068	MCF2L_HUMAN	Guanine nucleotide exchange factor DBS	MCF2L
Not defined	sp	O15078	CE290_HUMAN	Centrosomal protein of 290 kDa	CEP290
Not defined	sp	O15083	ERC2_HUMAN	ERC protein 2	ERC2
Not defined	sp	O15090	ZN536_HUMAN	Zinc finger protein 536	ZNF536
Not defined	sp	O15116	LSM1_HUMAN	U6 snRNA-associated Sm-like protein Lsm1	LSM1
Not defined	sp	O15118	NPC1_HUMAN	NPC intracellular cholesterol transporter 1	NPC1
Not defined	sp	O15126	SCAM1_HUMAN	Secretory carrier-associated membrane protein 1	SCAMP1
Not defined	sp	O15155	BET1_HUMAN	BET1 homolog	BET1
Not defined	sp	O15156	ZBT7B_HUMAN	Zinc finger and BTB domain-containing protein 7B	ZBTB7B
Not defined	sp	O15160	RPAC1_HUMAN	DNA-directed RNA polymerases I and III subunit RPAC1	POLR1C
Not defined	sp	O15182	CETN3_HUMAN	Centrin-3	CETN3
Not defined	sp	O15194	CTDSL_HUMAN	CTD small phosphatase-like protein	CTDSPL
Not defined	sp	O15195	VILL_HUMAN	Villin-like protein	VILL
Not defined	sp	O15211	RGL2_HUMAN	Rai guanine nucleotide dissociation stimulator-like 2	RGL2
Not defined	sp	O15213	WDR46_HUMAN	WD repeat-containing protein 46	WDR46
Not defined	sp	O15217	GSTA4_HUMAN	Glutathione S-transferase A4	GSTA4
Not defined	sp	O15228	GNPAT_HUMAN	Dihydroxyacetone phosphate acyltransferase	GNPAT
Not defined	sp	O15231	ZN185_HUMAN	Zinc finger protein 185	ZNF185
Not defined	sp	O15234	CASC3_HUMAN	Protein CASC3	CASC3
Not defined	sp	O15240	VGFB_HUMAN	Neurosecretory protein VGF	VGFB
Not defined	sp	O15258	RER1_HUMAN	Protein RER1	RER1
Not defined	sp	O15260	SURF4_HUMAN	Surfeit locus protein 4	SURF4
Not defined	sp	O15264	MK13_HUMAN	Mitogen-activated protein kinase 13	MAPK13
Not defined	sp	O15265	ATX7_HUMAN	Ataxin-7	ATXN7
Not defined	sp	O15269	SPTC1_HUMAN	Serine palmitoyltransferase 1	SPPLC1
Not defined	sp	O15294	OGT1_HUMAN	UDP-N-acetylglucosamine-peptide N-acetylglucosaminyltransferase 110 kDa subunit	OGT
Not defined	sp	O15305	PMM2_HUMAN	Phosphomannomutase 2	PMM2
Not defined	sp	O15318	RPC7_HUMAN	DNA-directed RNA polymerase III subunit RPC7	POLR3G
Not defined	sp	O15321	TM9SF1_HUMAN	Transmembrane 9 superfamily member 1	TM9SF1
Not defined	sp	O15327	INP4B_HUMAN	Inositol polyphosphate 4-phosphatase type II	INPP4B
Not defined	sp	O15350	P73_HUMAN	Tumor protein p73	TP73
Not defined	sp	O15371	EIF3D_HUMAN	Eukaryotic translation initiation factor 3 subunit D	EIF3D
Not defined	sp	O15400	STX7_HUMAN	Syntaxin-7	STX7
Not defined	sp	O15427	MOT4_HUMAN	Monocarboxylate transporter 4	SLC16A3
Not defined	sp	O15438	MRP3_HUMAN	Canalicular multispecific organic anion transporter 2	ABCC3
Not defined	sp	O15460	P4HA2_HUMAN	Prolyl 4-hydroxylase subunit alpha-2	P4HA2
Not defined	sp	O15479	MAGB2_HUMAN	Melanoma-associated antigen B2	MAGEB2
Not defined	sp	O15480	MAGB3_HUMAN	Melanoma-associated antigen B3	MAGEB3
Not defined	sp	O15481	MAGB4_HUMAN	Melanoma-associated antigen B4	MAGEB4
Not defined	sp	O15484	CAN5_HUMAN	Calpain-5	CAPN5
Not defined	sp	O15514	RPB4_HUMAN	DNA-directed RNA polymerase II subunit RPB4	POLR2D
Not defined	sp	O15523	DDX3Y_HUMAN	ATP-dependent RNA helicase DDX3Y	DDX3Y
Not defined	sp	O15533	TPSN_HUMAN	Tapasin	TAPBP
Not defined	sp	O15541	R113A_HUMAN	E3 ubiquitin-protein ligase RNF113A	RNF113A
Not defined	sp	O15551	CLD3_HUMAN	Claudin-3	CLDN3
Not defined	sp	O43143	DHX15_HUMAN	Pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15	DHX15
Not defined	sp	O43148	MCES_HUMAN	mRNA cap guanine-N7 methyltransferase	RNMT
Not defined	sp	O43149	ZZEF1_HUMAN	Zinc finger ZZ-type and EF-hand domain-containing protein 1	ZZEF1
Not defined	sp	O43151	TET3_HUMAN	Methylcytosine dioxygenase TET3	TET3
Not defined	sp	O43155	FLRT2_HUMAN	Leucine-rich repeat transmembrane protein FLRT2	FLRT2
Not defined	sp	O43172	PRP4_HUMAN	U4/U6 small nuclear ribonucleoprotein Prp4	PRPF4
Not defined	sp	O43181	NDU54_HUMAN	NADH dehydrogenase [ubiquinone] iron-sulfur protein 4, mitochondrial	NDUFS4
Not defined	sp	O43237	DC1L2_HUMAN	Cytoplasmic dynein 1 light intermediate chain 2	DYNC1L2
Not defined	sp	O43242	PSMD3_HUMAN	26S proteasome non-ATPase regulatory subunit 3	PSMD3

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Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	O43252	PAPS1_HUMAN	Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1	PAPSS1
Not defined	sp	O43272	PROD_HUMAN	Proline dehydrogenase 1, mitochondrial	PRODH
Not defined	sp	O43278	SPIT1_HUMAN	Kunitz-type protease inhibitor 1	SPINT1
Not defined	sp	O43286	B4GT5_HUMAN	Beta-1,4-galactosyltransferase 5	B4GALT5
Not defined	sp	O43291	SPIT2_HUMAN	Kunitz-type protease inhibitor 2	SPINT2
Not defined	sp	O43293	DAPK3_HUMAN	Death-associated protein kinase 3	DAPK3
Not defined	sp	O43304	S14L5_HUMAN	SEC14-like protein 5	SEC14L5
Not defined	sp	O43345	ZN208_HUMAN	Zinc finger protein 208	ZNF208
Not defined	sp	O43361	ZN749_HUMAN	Zinc finger protein 749	ZNF749
Not defined	sp	O43395	PRPF3_HUMAN	U4/U6 small nuclear ribonucleoprotein Prp3	PRPF3
Not defined	sp	O43414	ERI3_HUMAN	ERI1 exoribonuclease 3	ERI3
Not defined	sp	O43432	IF4G3_HUMAN	Eukaryotic translation initiation factor 4 gamma 3	EIF4G3
Not defined	sp	O43464	HTRA2_HUMAN	Serine protease HTRA2, mitochondrial	HTRA2
Not defined	sp	O43493	TGON2_HUMAN	Trans-Golgi network integral membrane protein 2	TGOLN2
Not defined	sp	O43497	CAC1G_HUMAN	Voltage-dependent T-type calcium channel subunit alpha-1G	CACNA1G
Not defined	sp	O43504	LTOR5_HUMAN	Ragulator complex protein LAMTOR5	LAMTOR5
Not defined	sp	O43505	B4GA1_HUMAN	Beta-1,4-glucuronyltransferase 1	B4GAT1
Not defined	sp	O43516	WIPF1_HUMAN	WAS/WASL-interacting protein family member 1	WIPF1
Not defined	sp	O43526	KCNQ2_HUMAN	Potassium voltage-gated channel subfamily KQT member 2	KCNQ2
Not defined	sp	O43567	RNF13_HUMAN	E3 ubiquitin-protein ligase RNF13	RNF13
Not defined	sp	O43592	XPOT_HUMAN	Exportin-T	XPOT
Not defined	sp	O43597	SPY2_HUMAN	Protein sprouty homolog 2	SPRY2
Not defined	sp	O43609	SPY1_HUMAN	Protein sprouty homolog 1	SPRY1
Not defined	sp	O43615	TIM44_HUMAN	Mitochondrial import inner membrane translocase subunit TIM44	TIMM44
Not defined	sp	O43617	TPPC3_HUMAN	Trafficking protein particle complex subunit 3	TRAPP3
Not defined	sp	O43639	NCK2_HUMAN	Cytoplasmic protein NCK2	NCK2
Not defined	sp	O43657	TSN6_HUMAN	Tetraspanin-6	TSPAN6
Not defined	sp	O43660	PLRG1_HUMAN	Pleiotropic regulator 1	PLRG1
Not defined	sp	O43665	RGS10_HUMAN	Regulator of G-protein signaling 10	RGS10
Not defined	sp	O43674	NDUB5_HUMAN	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 5, mitochondrial	NDUFB5
Not defined	sp	O43677	NDUC1_HUMAN	NADH dehydrogenase [ubiquinone] 1 subunit C1, mitochondrial	NDUFC1
Not defined	sp	O43679	LDB2_HUMAN	LIM domain-binding protein 2	LDB2
Not defined	sp	O43688	PLPP2_HUMAN	Phospholipid phosphatase 2	PLPP2
Not defined	sp	O43708	MAAI_HUMAN	Maleylacetoacetate isomerase	GSTZ1
Not defined	sp	O43716	GATC_HUMAN	Glutamyl-tRNA(Gln) amidotransferase subunit C, mitochondrial	GATC
Not defined	sp	O43719	HTSF1_HUMAN	HIV Tat-specific factor 1	HTATSF1
Not defined	sp	O43734	CIKS_HUMAN	Adapter protein CIKS	TRAF3IP2
Not defined	sp	O43747	AP1G1_HUMAN	AP-1 complex subunit gamma-1	AP1G1
Not defined	sp	O43759	SNG1_HUMAN	Synaptogyrin-1	SYNGR1
Not defined	sp	O43760	SNG2_HUMAN	Synaptogyrin-2	SYNGR2
Not defined	sp	O43761	SNG3_HUMAN	Synaptogyrin-3	SYNGR3
Not defined	sp	O43766	LIAS_HUMAN	Lipoyl synthase, mitochondrial	LIAS
Not defined	sp	O43795	MYO1B_HUMAN	Unconventional myosin-Ib	MYO1B
Not defined	sp	O43805	SSNA1_HUMAN	Sjoegren syndrome nuclear autoantigen 1	SSNA1
Not defined	sp	O43815	STRN_HUMAN	Striatin	STRN
Not defined	sp	O43819	SCO2_HUMAN	Protein SCO2 homolog, mitochondrial	SCO2
Not defined	sp	O43837	IDH3B_HUMAN	Isocitrate dehydrogenase [NAD] subunit beta, mitochondrial	IDH3B
Not defined	sp	O43847	NRDC_HUMAN	Nardilysin	NRDC
Not defined	sp	O43861	ATP9B_HUMAN	Probable phospholipid-transporting ATPase IIB	ATP9B
Not defined	sp	O43896	KIF1C_HUMAN	Kinesin-like protein KIF1C	KIF1C
Not defined	sp	O43909	EXTL3_HUMAN	Exostosin-like 3	EXTL3
Not defined	sp	O43918	AIRE_HUMAN	Autoimmune regulator	AIRE
Not defined	sp	O43924	PDE6D_HUMAN	Retinal rod rhodopsin-sensitive cGMP 3',5'-cyclic phosphodiesterase subunit delta	PDE6D
Not defined	sp	O43933	PEX1_HUMAN	Peroxisome biogenesis factor 1	PEX1
Not defined	sp	O60216	RAD21_HUMAN	Double-strand-break repair protein rad21 homolog	RAD21
Not defined	sp	O60231	DHX16_HUMAN	Pre-mRNA-splicing factor ATP-dependent RNA helicase DHX16	DHX16
Not defined	sp	O60232	ZNRD2_HUMAN	Protein ZNRD2	ZNRD2
Not defined	sp	O60234	GMFG_HUMAN	Glia maturation factor gamma	GMFG
Not defined	sp	O60237	MYPT2_HUMAN	Protein phosphatase 1 regulatory subunit 12B	PPP1R12B
Not defined	sp	O60241	AGRB2_HUMAN	Adhesion G protein-coupled receptor B2	ADGRB2
Not defined	sp	O60245	PCDH7_HUMAN	Protocadherin-7	PCDH7
Not defined	sp	O60248	SOX15_HUMAN	Protein SOX-15	SOX15
Not defined	sp	O60256	KPRB_HUMAN	Phosphoribosyl pyrophosphate synthase-associated protein 2	PRPSAP2
Not defined	sp	O60262	GBG7_HUMAN	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-7	GNB7
Not defined	sp	O60264	SMCA5_HUMAN	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 5	SMARCA5
Not defined	sp	O60268	K0513_HUMAN	Uncharacterized protein KIAA0513	KIAA0513
Not defined	sp	O60281	ZN292_HUMAN	Zinc finger protein 292	ZNF292
Not defined	sp	O60282	KIF5C_HUMAN	Kinesin heavy chain isoform 5C	KIF5C
Not defined	sp	O60299	LZTS3_HUMAN	Leucine zipper putative tumor suppressor 3	LZTS3
Not defined	sp	O60304	ZN500_HUMAN	Zinc finger protein 500	ZNF500
Not defined	sp	O60312	AT10A_HUMAN	Probable phospholipid-transporting ATPase VA	ATP10A
Not defined	sp	O60313	OPA1_HUMAN	Dynamin-like 120 kDa protein, mitochondrial	OPA1
Not defined	sp	O60333	KIF1B_HUMAN	Kinesin-like protein KIF1B	KIF1B
Not defined	sp	O60437	PEPL_HUMAN	Periplakin	PPL
Not defined	sp	O60443	GSDME_HUMAN	Gasdermin-E	GSDME
Not defined	sp	O60447	EVIS_HUMAN	Ecotropic viral integration site 5 protein homolog	EVIS
Not defined	sp	O60449	LY75_HUMAN	Lymphocyte antigen 75	LY75
Not defined	sp	O60462	NRP2_HUMAN	Neuropilin-2	NRP2
Not defined	sp	O60487	MPZL2_HUMAN	Myelin protein zero-like protein 2	MPZL2
Not defined	sp	O60488	ACSL4_HUMAN	Long-chain-fatty-acid-CoA ligase 4	ACSL4
Not defined	sp	O60494	CUBN_HUMAN	Cubilin	CUBN
Not defined	sp	O60499	STX10_HUMAN	Syntaxin-10	STX10
Not defined	sp	O60502	OGA_HUMAN	Protein O-GlcNAcase	OGA
Not defined	sp	O60504	VINEX_HUMAN	Vinexin	SORBS3
Not defined	sp	O60518	RANBP6_HUMAN	Ran-binding protein 6	RANBP6
Not defined	sp	O60547	GMDS_HUMAN	GDP-mannose 4,6 dehydratase	GMDS
Not defined	sp	O60551	NMT2_HUMAN	Glycylpeptide N-tetradecanoyltransferase 2	NMT2
Not defined	sp	O60610	DIAP1_HUMAN	Protein diaphanous homolog 1	DIAPH1
Not defined	sp	O60613	SEP15_HUMAN	Selenoprotein F	SELENOF
Not defined	sp	O60637	TSN3_HUMAN	Tetraspanin-3	TSPAN3

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Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	O60641	AP180_HUMAN	Clathrin coat assembly protein AP180	SNAP91
Not defined	sp	O60682	MUSC_HUMAN	Musculin	MSC
Not defined	sp	O60687	SRPX2_HUMAN	Sushi repeat-containing protein SRPX2	SRPX2
Not defined	sp	O60706	ABCC9_HUMAN	ATP-binding cassette sub-family C member 9	ABCC9
Not defined	sp	O60716	CTND1_HUMAN	Catenin delta-1	CTNND1
Not defined	sp	O60732	MAGC1_HUMAN	Melanoma-associated antigen C1	MAGEC1
Not defined	sp	O60749	SNX2_HUMAN	Sorting nexin-2	SNX2
Not defined	sp	O60763	USO1_HUMAN	General vesicular transport factor p115	USO1
Not defined	sp	O60783	RT14_HUMAN	28S ribosomal protein S14, mitochondrial	MRPS14
Not defined	sp	O60784	TOM1_HUMAN	Target of Myb protein 1	TOM1
Not defined	sp	O60810	PRAM4_HUMAN	PRAME family member 4	PRAMEF4
Not defined	sp	O60825	F2G2_HUMAN	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2	PFKFB2
Not defined	sp	O60895	RAMP2_HUMAN	Receptor activity-modifying protein 2	RAMP2
Not defined	sp	O60907	TBL1X_HUMAN	F-box-like/WD repeat-containing protein TBL1X	TBL1X
Not defined	sp	O60911	CATL2_HUMAN	Cathepsin L2	CTSV
Not defined	sp	O60927	PP1RB_HUMAN	E3 ubiquitin-protein ligase PPP1R11	PPP1R11
Not defined	sp	O60934	NBN_HUMAN	Nibrin	NBN
Not defined	sp	O60936	NOL3_HUMAN	Nucleolar protein 3	NOL3
Not defined	sp	O75030	MITF_HUMAN	Microphthalmia-associated transcription factor	MITF
Not defined	sp	O75054	IGSF3_HUMAN	Immunoglobulin superfamily member 3	IGSF3
Not defined	sp	O75063	XYLK_HUMAN	Glycosaminoglycan xylosylkinase	FAM20B
Not defined	sp	O75064	DEN4B_HUMAN	DENN domain-containing protein 4B	DENN4B
Not defined	sp	O75071	EFC14_HUMAN	EF-hand calcium-binding domain-containing protein 14	EFCAB14
Not defined	sp	O75072	FKTN_HUMAN	Fukutin	FKTN
Not defined	sp	O75093	SLIT1_HUMAN	Slit homolog 1 protein	SLIT1
Not defined	sp	O75096	LRP4_HUMAN	Low-density lipoprotein receptor-related protein 4	LRP4
Not defined	sp	O75106	AOC2_HUMAN	Retina-specific copper amine oxidase	AOC2
Not defined	sp	O75116	ROCK2_HUMAN	Rho-associated protein kinase 2	ROCK2
Not defined	sp	O75144	ICOSL_HUMAN	ICOS ligand	ICOSLG
Not defined	sp	O75146	HIP1R_HUMAN	Huntingtin-interacting protein 1-related protein	HIP1R
Not defined	sp	O75150	BRE1B_HUMAN	E3 ubiquitin-protein ligase BRE1B	RNF40
Not defined	sp	O75151	PHF2_HUMAN	Lysine-specific demethylase PHF2	PHF2
Not defined	sp	O75153	CLU_HUMAN	Clustered mitochondria protein homolog	CLUH
Not defined	sp	O75154	RFIP3_HUMAN	Rab11 family-interacting protein 3	RAB11FIP3
Not defined	sp	O75157	T2D2_HUMAN	TSC22 domain family protein 2	TSC22D2
Not defined	sp	O75164	KDM4A_HUMAN	Lysine-specific demethylase 4A	KDM4A
Not defined	sp	O75165	DJC13_HUMAN	DnaJ homolog subfamily C member 13	DNAJC13
Not defined	sp	O75175	CNOT3_HUMAN	CCR4-NOT transcription complex subunit 3	CNOT3
Not defined	sp	O75179	ANKR17_HUMAN	Ankyrin repeat domain-containing protein 17	ANKRD17
Not defined	sp	O75185	AT2C2_HUMAN	Calcium-transporting ATPase type 2C member 2	ATP2C2
Not defined	sp	O75190	DNJB6_HUMAN	DnaJ homolog subfamily B member 6	DNAJB6
Not defined	sp	O75208	COO9_HUMAN	Ubiquinone biosynthesis protein COO9, mitochondrial	COO9
Not defined	sp	O75251	NDUS7_HUMAN	NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial	NDUF57
Not defined	sp	O75323	NIPS2_HUMAN	Protein NipSnap homolog 2	NIPSNAP2
Not defined	sp	O75326	SEM7A_HUMAN	Semaphorin-7A	SEMA7A
Not defined	sp	O75333	TBX10_HUMAN	T-box transcription factor TBX10	TBX10
Not defined	sp	O75352	MPDU1_HUMAN	Mannose-P-dolichol utilization defect 1 protein	MPDU1
Not defined	sp	O75362	ZN217_HUMAN	Zinc finger protein 217	ZNF217
Not defined	sp	O75368	SH3L1_HUMAN	SH3 domain-binding glutamic acid-rich-like protein	SH3BGL
Not defined	sp	O75373	ZN737_HUMAN	Zinc finger protein 737	ZNF737
Not defined	sp	O75379	VAMP4_HUMAN	Vesicle-associated membrane protein 4	VAMP4
Not defined	sp	O75380	NDUS6_HUMAN	NADH dehydrogenase [ubiquinone] iron-sulfur protein 6, mitochondrial	NDUF56
Not defined	sp	O75386	TULP3_HUMAN	Tubby-related protein 3	TULP3
Not defined	sp	O75391	SPAG7_HUMAN	Sperm-associated antigen 7	SPAG7
Not defined	sp	O75396	SEC22B_HUMAN	Vesicle-trafficking protein SEC22b	SEC22B
Not defined	sp	O75400	PRPF40A_HUMAN	Pre-mRNA-processing factor 40 homolog A	PRPF40A
Not defined	sp	O75436	VP26A_HUMAN	Vacuolar protein sorting-associated protein 26A	VPS26A
Not defined	sp	O75445	USH2A_HUMAN	Usherin	USH2A
Not defined	sp	O75474	FRAT2_HUMAN	GSK-3-binding protein FRAT2	FRAT2
Not defined	sp	O75477	ERLIN1_HUMAN	Erlin-1	ERLIN1
Not defined	sp	O75478	TADA2A_HUMAN	Transcriptional adapter 2-alpha	TADA2A
Not defined	sp	O75503	CLN5_HUMAN	Ceroid-lipofuscinosis neuronal protein 5	CLN5
Not defined	sp	O75506	HSBP1_HUMAN	Heat shock factor-binding protein 1	HSBP1
Not defined	sp	O75525	KHDR3_HUMAN	KH domain-containing, RNA-binding, signal transduction-associated protein 3	KHDRBS3
Not defined	sp	O75526	RMXL2_HUMAN	RNA-binding motif protein, X-linked-like-2	RBMXL2
Not defined	sp	O75530	EED_HUMAN	Polycomb protein EED	EED
Not defined	sp	O75533	SF3B1_HUMAN	Splicing factor 3B subunit 1	SF3B1
Not defined	sp	O75534	CSDE1_HUMAN	Cold shock domain-containing protein E1	CSDE1
Not defined	sp	O75541	ZN821_HUMAN	Zinc finger protein 821	ZNF821
Not defined	sp	O75554	WBP4_HUMAN	WW domain-binding protein 4	WBP4
Not defined	sp	O75558	STX11_HUMAN	Syntaxin-11	STX11
Not defined	sp	O75569	PRKRA_HUMAN	Interferon-inducible double-stranded RNA-dependent protein kinase activator A	PRKRA
Not defined	sp	O75582	KS6A5_HUMAN	Ribosomal protein S6 kinase alpha-5	RP56KA5
Not defined	sp	O75604	UBP2_HUMAN	Ubiquitin carboxyl-terminal hydrolase 2	USP2
Not defined	sp	O75616	ERAL1_HUMAN	GTPase Era, mitochondrial	ERAL1
Not defined	sp	O75629	CREG1_HUMAN	Protein CREG1	CREG1
Not defined	sp	O75643	US20_HUMAN	U5 small nuclear ribonucleoprotein 20 kDa helicase	SNRNP200
Not defined	sp	O75663	TIPRL_HUMAN	TIP41-like protein	TIPRL
Not defined	sp	O75674	TM1L1_HUMAN	TOM1-like protein 1	TOM1L1
Not defined	sp	O75683	SURF6_HUMAN	Surfeit locus protein 6	SURF6
Not defined	sp	O75688	PPM1B_HUMAN	Protein phosphatase 1B	PPM1B
Not defined	sp	O75691	UTP20_HUMAN	Small subunit processome component 20 homolog	UTP20
Not defined	sp	O75694	NU155_HUMAN	Nuclear pore complex protein Nup155	NUP155
Not defined	sp	O75695	XRP2_HUMAN	Protein XRP2	RP2
Not defined	sp	O75717	WDHD1_HUMAN	WD repeat and HMG-box DNA-binding protein 1	WDHD1
Not defined	sp	O75718	CRTAP_HUMAN	Cartilage-associated protein	CRTAP
Not defined	sp	O75746	CMC1_HUMAN	Calcium-binding mitochondrial carrier protein Aralar1	SLC25A12
Not defined	sp	O75747	P3C2G_HUMAN	Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit gamma	PIK3C2G
Not defined	sp	O75781	PALM_HUMAN	Paralemmin-1	PALM
Not defined	sp	O75791	GRAP2_HUMAN	GRB2-related adapter protein 2	GRAP2

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	075792	RNH2A_HUMAN	Ribonuclease H2 subunit A	RNASEH2A
Not defined	sp	075817	POP7_HUMAN	Ribonuclease P protein subunit p20	POP7
Not defined	sp	075818	RPP40_HUMAN	Ribonuclease P protein subunit p40	RPP40
Not defined	sp	075821	EIF3G_HUMAN	Eukaryotic translation initiation factor 3 subunit G	EIF3G
Not defined	sp	075830	SPI2_HUMAN	Serpine I2	SERPINI2
Not defined	sp	075832	PSD10_HUMAN	26S proteasome non-ATPase regulatory subunit 10	PSMD10
Not defined	sp	075843	AP1G2_HUMAN	AP-1 complex subunit gamma-like 2	AP1G2
Not defined	sp	075879	GATB_HUMAN	Glutamyl-tRNA(Gln) amidotransferase subunit B, mitochondrial	GATB
Not defined	sp	075882	ATRN_HUMAN	Attractin	ATRN
Not defined	sp	075886	STAM2_HUMAN	Signal transducing adapter molecule 2	STAM2
Not defined	sp	075891	AL1L1_HUMAN	Cytosolic 10-formyltetrahydrofolate dehydrogenase	ALDH1L1
Not defined	sp	075909	CCNK_HUMAN	Cyclin-K	CCNK
Not defined	sp	075911	DHRS3_HUMAN	Short-chain dehydrogenase/reductase 3	DHRS3
Not defined	sp	075912	DGKI_HUMAN	Diaclylglycerol kinase iota	DGKI
Not defined	sp	075914	PAK3_HUMAN	Serine/threonine-protein kinase PAK 3	PAK3
Not defined	sp	075915	PRAF3_HUMAN	PRA1 family protein 3	ARL6IP5
Not defined	sp	075923	DYSF_HUMAN	Dysferlin	DYSF
Not defined	sp	075928	PIAS2_HUMAN	E3 SUMO-protein ligase PIAS2	PIAS2
Not defined	sp	075934	SPF27_HUMAN	Pre-mRNA-splicing factor SPF27	BCAS2
Not defined	sp	075953	DNJB5_HUMAN	DnaJ homolog subfamily B member 5	DNABJ5
Not defined	sp	075954	TSN9_HUMAN	Tetraspanin-9	TSPAN9
Not defined	sp	075976	CBPD_HUMAN	Carboxypeptidase D	CPD
Not defined	sp	076021	RL1D1_HUMAN	Ribosomal L1 domain-containing protein 1	RS1D1
Not defined	sp	076031	CLPX_HUMAN	ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial	CLPX
Not defined	sp	076054	S14L2_HUMAN	SEC14-like protein 2	SEC14L2
Not defined	sp	076070	SYUG_HUMAN	Gamma-synuclin	SNCG
Not defined	sp	076071	CIAO1_HUMAN	Probable cytosolic iron-sulfur protein assembly protein CIAO1	CIAO1
Not defined	sp	076083	PDE9A_HUMAN	High affinity cGMP-specific 3',5'-cyclic phosphodiesterase 9A	PDE9A
Not defined	sp	076087	GAGE7_HUMAN	G antigen 7	GAGE7
Not defined	sp	076094	SRP72_HUMAN	Signal recognition particle subunit SRP72	SRP72
Not defined	sp	077932	DXO_HUMAN	Decapping and exoribonuclease protein	DXO
Not defined	sp	094760	DDAH1_HUMAN	N(G),N(G)-dimethylarginine dimethylaminohydrolase 1	DDAH1
Not defined	sp	094763	RMP_HUMAN	Unconventional prefolin RPB5 interactor 1	UR1I
Not defined	sp	094766	B3GAT3_HUMAN	Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 3	B3GAT3
Not defined	sp	094776	MTA2_HUMAN	Metastasis-associated protein MTA2	MTA2
Not defined	sp	094788	AL1A2_HUMAN	Retinal dehydrogenase 2	ALDH1A2
Not defined	sp	094805	ACTL6B_HUMAN	Actin-like protein 6B	ACTL6B
Not defined	sp	094808	GFPT2_HUMAN	Glutamine-fructose-6-phosphate aminotransferase [isomerizing] 2	GFPT2
Not defined	sp	094826	TOM70_HUMAN	Mitochondrial import receptor subunit TOM70	TOMM70
Not defined	sp	094850	DEND_HUMAN	Dendrin	DDN
Not defined	sp	094856	NFASC_HUMAN	Neurofascin	NFASC
Not defined	sp	094875	SRBS2_HUMAN	Sorbin and SH3 domain-containing protein 2	SORBS2
Not defined	sp	094880	PHF14_HUMAN	PHD finger protein 14	PHF14
Not defined	sp	094885	SASH1_HUMAN	SAM and SH3 domain-containing protein 1	SASH1
Not defined	sp	094886	CSC1_HUMAN	CSC1-like protein 1	TMEM63A
Not defined	sp	094888	UBXN7_HUMAN	UBX domain-containing protein 7	UBXN7
Not defined	sp	094898	LRIG2_HUMAN	Leucine-rich repeats and immunoglobulin-like domains protein 2	LRIG2
Not defined	sp	094905	ERLN2_HUMAN	Erlin-2	ERLN2
Not defined	sp	094910	AGRL1_HUMAN	Adhesion G protein-coupled receptor L1	ADGRL1
Not defined	sp	094919	ENDD1_HUMAN	Endonuclease domain-containing 1 protein	ENDOD1
Not defined	sp	094921	CDK14_HUMAN	Cyclin-dependent kinase 14	CDK14
Not defined	sp	094925	GLSK_HUMAN	Glutaminase kidney isoform, mitochondrial	GLS
Not defined	sp	094973	AP2A2_HUMAN	AP-2 complex subunit alpha-2	AP2A2
Not defined	sp	094985	CSTN1_HUMAN	Calsyntenin-1	CLSTN1
Not defined	sp	094986	CEP152_HUMAN	Centrosomal protein of 152 kDa	CEP152
Not defined	sp	094988	FAM13A_HUMAN	Protein FAM13A	FAM13A
Not defined	sp	094992	HEX11_HUMAN	Protein HEXIM1	HEXIM1
Not defined	sp	095059	RPP14_HUMAN	Ribonuclease P protein subunit p14	RPP14
Not defined	sp	095071	UBR5_HUMAN	E3 ubiquitin-protein ligase UBR5	UBR5
Not defined	sp	095139	NDUB6_HUMAN	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 6	NDUF6
Not defined	sp	095155	UBE4B_HUMAN	Ubiquitin conjugation factor E4 B	UBE4B
Not defined	sp	095159	ZFPL1_HUMAN	Zinc finger protein-like 1	ZFPL1
Not defined	sp	095163	ELP1_HUMAN	Elongator complex protein 1	ELP1
Not defined	sp	095164	UBL3_HUMAN	Ubiquitin-like protein 3	UBL3
Not defined	sp	095166	GBRAP_HUMAN	Gamma-aminobutyric acid receptor-associated protein	GABARAP
Not defined	sp	095167	NDUA3_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 3	NDUF3
Not defined	sp	095169	NDUB8_HUMAN	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 8, mitochondrial	NDUF8
Not defined	sp	095170	CDRT1_HUMAN	CMT1A duplicated region transcript 1 protein	CDRT1
Not defined	sp	095178	NDUB2_HUMAN	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 2, mitochondrial	NDUF2
Not defined	sp	095182	NDUA7_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 7	NDUFA7
Not defined	sp	095183	VAMP5_HUMAN	Vesicle-associated membrane protein 5	VAMP5
Not defined	sp	095185	UNC5C_HUMAN	Netrin receptor UNC5C	UNC5C
Not defined	sp	095206	PCDH8_HUMAN	Protocadherin-8	PCDH8
Not defined	sp	095208	EPN2_HUMAN	Epsin-2	EPN2
Not defined	sp	095210	STBD1_HUMAN	Starch-binding domain-containing protein 1	STBD1
Not defined	sp	095232	LC7L3_HUMAN	Luc7-like protein 3	LUC7L3
Not defined	sp	095249	GOSR1_HUMAN	Golgi SNAP receptor complex member 1	GOSR1
Not defined	sp	095260	ATE1_HUMAN	Arginyl-tRNA-protein transferase 1	ATE1
Not defined	sp	095295	SNAPN_HUMAN	SNARE-associated protein Snapin	SNAPIN
Not defined	sp	095298	NDUC2_HUMAN	NADH dehydrogenase [ubiquinone] 1 subunit C2	NDUFC2
Not defined	sp	095299	NDUAA_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial	NDUFA10
Not defined	sp	095319	CELF2_HUMAN	CUGBP Elav-like family member 2	CELF2
Not defined	sp	095336	6PGL_HUMAN	6-phosphogluconolactonase	PGLS
Not defined	sp	095342	ABC11_HUMAN	Bile salt export pump	ABC11
Not defined	sp	095347	SMC2_HUMAN	Structural maintenance of chromosomes protein 2	SMC2
Not defined	sp	095361	TRIM16_HUMAN	Tripartite motif-containing protein 16	TRIM16
Not defined	sp	095372	LYPA2_HUMAN	Acyl-protein thioesterase 2	LYPA2
Not defined	sp	095373	IPO7_HUMAN	Importin-7	IPO7
Not defined	sp	095382	M3K6_HUMAN	Mitogen-activated protein kinase kinase kinase 6	MAP3K6
Not defined	sp	095398	RAPGEF3_HUMAN	Rap guanine nucleotide exchange factor 3	RAPGEF3

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	O95400	CD2B2_HUMAN	CD2 antigen cytoplasmic tail-binding protein 2	CD2BP2
Not defined	sp	O95407	TNFB_HUMAN	Tumor necrosis factor receptor superfamily member 6B	TNFRSF6B
Not defined	sp	O95433	AHSA1_HUMAN	Activator of 90 kDa heat shock protein ATPase homolog 1	AHSA1
Not defined	sp	O95445	APOM_HUMAN	Apolipoprotein M	APOM
Not defined	sp	O95453	PARN_HUMAN	Poly(A)-specific ribonuclease PARN	PARN
Not defined	sp	O95456	PSMG1_HUMAN	Proteasome assembly chaperone 1	PSMG1
Not defined	sp	O95470	SGPL1_HUMAN	Sphingosine-1-phosphate lyase 1	SGPL1
Not defined	sp	O95479	G6PE_HUMAN	GDH/6PGL endoplasmic bifunctional protein	H6PD
Not defined	sp	O95484	CLD9_HUMAN	Claudin-9	CLDN9
Not defined	sp	O95486	SEC24A_HUMAN	Protein transport protein Sec24A	SEC24A
Not defined	sp	O95503	CBX6_HUMAN	Chromobox protein homolog 6	CBX6
Not defined	sp	O95521	PRAM1_HUMAN	PRAME family member 1	PRAMEF1
Not defined	sp	O95551	TYDP2_HUMAN	Tyrosyl-DNA phosphodiesterase 2	TDP2
Not defined	sp	O95562	SFT2B_HUMAN	Vesicle transport protein SFT2B	SFT2D2
Not defined	sp	O95563	MPC2_HUMAN	Mitochondrial pyruvate carrier 2	MPC2
Not defined	sp	O95573	ACSL3_HUMAN	Long-chain-fatty-acid-CoA ligase 3	ACSL3
Not defined	sp	O95602	RPA1_HUMAN	DNA-directed RNA polymerase I subunit RPA1	POLR1A
Not defined	sp	O95613	PCNT_HUMAN	Pericentrin	PCNT
Not defined	sp	O95619	YEATS4_HUMAN	YEATS domain-containing protein 4	YEATS4
Not defined	sp	O95628	CNOT4_HUMAN	CCR4-NOT transcription complex subunit 4	CNOT4
Not defined	sp	O95684	FR1OP_HUMAN	FGFR1 oncogene partner	FGFR1OP
Not defined	sp	O95685	PPR3D_HUMAN	Protein phosphatase 1 regulatory subunit 3D	PPP1R3D
Not defined	sp	O95714	HERC2_HUMAN	E3 ubiquitin-protein ligase HERC2	HERC2
Not defined	sp	O95741	CPNE6_HUMAN	Copine-6	CPNE6
Not defined	sp	O95747	OXR1_HUMAN	Serine/threonine-protein kinase OSR1	OXR1
Not defined	sp	O95749	GGPPS_HUMAN	Geranylgeranyl pyrophosphate synthase	GGPS1
Not defined	sp	O95772	STR3N_HUMAN	STAR3D N-terminal-like protein	STAR3NL
Not defined	sp	O95786	DDX58_HUMAN	Antiviral innate immune response receptor RIG-I	DDX58
Not defined	sp	O95789	ZMYM6_HUMAN	Zinc finger MYM-type protein 6	ZMYM6
Not defined	sp	O95803	NDST3_HUMAN	Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 3	NDST3
Not defined	sp	O95810	CAVIN2_HUMAN	Caveolae-associated protein 2	CAVIN2
Not defined	sp	O95813	CER1_HUMAN	Cerberus	CER1
Not defined	sp	O95816	BAG2_HUMAN	BAG family molecular chaperone regulator 2	BAG2
Not defined	sp	O95825	QORL1_HUMAN	Quinone oxidoreductase-like protein 1	CRYZL1
Not defined	sp	O95834	EMAL2_HUMAN	Echinoderm microtubule-associated protein-like 2	EML2
Not defined	sp	O95837	GNA14_HUMAN	Guanine nucleotide-binding protein subunit alpha-14	GNA14
Not defined	sp	O95848	NUDT14_HUMAN	Uridine diphosphate glucose pyrophosphatase NUDT14	NUDT14
Not defined	sp	O95861	BPNT1_HUMAN	3'(2'),5'-bisphosphate nucleotidase 1	BPNT1
Not defined	sp	O95864	FADS2_HUMAN	Acyl-CoA 6-desaturase	FADS2
Not defined	sp	O95865	DDAH2_HUMAN	N(G),N(G)-dimethylarginine dimethylaminohydrolase 2	DDAH2
Not defined	sp	O95926	SYF2_HUMAN	Pre-mRNA-splicing factor SYF2	SYF2
Not defined	sp	O95947	TBX6_HUMAN	T-box transcription factor TBX6	TBX6
Not defined	sp	O95954	FTCD_HUMAN	Formimidoyltransferase-cyclodeaminase	FTCD
Not defined	sp	O95989	NUDT3_HUMAN	Diphosphoinositol polyphosphate phosphohydrolase 1	NUDT3
Not defined	sp	O95994	AGR2_HUMAN	Anterior gradient protein 2 homolog	AGR2
Not defined	sp	O95999	BCL10_HUMAN	B-cell lymphoma/leukemia 10	BCL10
Not defined	sp	O96005	CLPT1_HUMAN	Cleft lip and palate transmembrane protein 1	CLPTM1
Not defined	sp	O96007	MOC2B_HUMAN	Molybdopterin synthase catalytic subunit	MOC2S
Not defined	sp	P00156	CYB_HUMAN	Cytochrome b	MT-CYB
Not defined	sp	P00167	CYB5_HUMAN	Cytochrome b5	CYB5A
Not defined	sp	P00352	AL1A1_HUMAN	Retinal dehydrogenase 1	ALDH1A1
Not defined	sp	P00441	SODC_HUMAN	Superoxide dismutase [Cu-Zn]	SOD1
Not defined	sp	P00738	HPT_HUMAN	Haptoglobin	HP
Not defined	sp	P00739	HPTR_HUMAN	Haptoglobin-related protein	HPR
Not defined	sp	P00746	CFAD_HUMAN	Complement factor D	CFD
Not defined	sp	P00747	PLMN_HUMAN	Plasminogen	PLG
Not defined	sp	P00749	UROK_HUMAN	Urokinase-type plasminogen activator	PLAU
Not defined	sp	P00750	TPA_HUMAN	Tissue-type plasminogen activator	PLAT
Not defined	sp	P00813	ADA_HUMAN	Adenosine deaminase	ADA
Not defined	sp	P00846	ATP6_HUMAN	ATP synthase subunit a	MT-ATP6
Not defined	sp	P00918	CAH2_HUMAN	Carbonic anhydrase 2	CA2
Not defined	sp	P01011	AACT_HUMAN	Alpha-1-antichymotrypsin	SERPINA3
Not defined	sp	P01019	ANGT_HUMAN	Angiotensinogen	AGT
Not defined	sp	P01033	TIMP1_HUMAN	Metalloproteinase inhibitor 1	TIMP1
Not defined	sp	P01034	CYTC_HUMAN	Cystatin-C	CST3
Not defined	sp	P01040	CYTA_HUMAN	Cystatin-A	CSTA
Not defined	sp	P01042	KNG1_HUMAN	Kininogen-1	KNG1
Not defined	sp	P01130	LDLR_HUMAN	Low-density lipoprotein receptor	LDLR
Not defined	sp	P01210	PENK_HUMAN	Proenkephalin-A	PENK
Not defined	sp	P01583	IL1A_HUMAN	Interleukin-1 alpha	IL1A
Not defined	sp	P01619	KV320_HUMAN	Immunoglobulin kappa variable 3-20	IGKV3-20
Not defined	sp	P01717	LV325_HUMAN	Immunoglobulin lambda variable 3-25	IgL3V3-25
Not defined	sp	P01780	HV307_HUMAN	Immunoglobulin heavy variable 3-7	IgHV3-7
Not defined	sp	P01861	IGHG4_HUMAN	Immunoglobulin heavy constant gamma 4	IGHG4
Not defined	sp	P01889	HLA_HUMAN	HLA class I histocompatibility antigen, B alpha chain	HLA-B
Not defined	sp	P02144	MYG_HUMAN	Myoglobin	MB
Not defined	sp	P02585	TNNC2_HUMAN	Troponin C, skeletal muscle	TNNC2
Not defined	sp	P02655	APOC2_HUMAN	Apolipoprotein C-II	APOC2
Not defined	sp	P02671	FIBA_HUMAN	Fibrinogen alpha chain	FGA
Not defined	sp	P02686	MBP_HUMAN	Myelin basic protein	MBP
Not defined	sp	P02765	FETUA_HUMAN	Alpha-2-HS-glycoprotein	AHSG
Not defined	sp	P02766	TTHY_HUMAN	Transferrin	TTR
Not defined	sp	P02786	TFR1_HUMAN	Transferrin receptor protein 1	TFR1
Not defined	sp	P02790	HEMO_HUMAN	Hemopexin	HPX
Not defined	sp	P02792	FRIL_HUMAN	Ferritin light chain	FTL
Not defined	sp	P03928	ATP8_HUMAN	ATP synthase protein 8	MT-ATP8
Not defined	sp	P03952	KLKB1_HUMAN	Plasma kallikrein	KLKB1
Not defined	sp	P03956	MMP1_HUMAN	Interstitial collagenase	MMP1
Not defined	sp	P04003	C4BPA_HUMAN	C4b-binding protein alpha chain	C4BPA
Not defined	sp	P04062	GLCM_HUMAN	Lysosomal acid glucosylceramidase	GBA

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	P04066	FUCO_HUMAN	Tissue alpha-L-fucosidase	FUCA1
Not defined	sp	P04156	PRIO_HUMAN	Major prion protein	PRNP
Not defined	sp	P04216	THY1_HUMAN	Thy-1 membrane glycoprotein	THY1
Not defined	sp	P04424	ARLY_HUMAN	Argininosuccinate lyase	ASL
Not defined	sp	P04626	ERBB2_HUMAN	Receptor tyrosine-protein kinase erbB-2	ERBB2
Not defined	sp	P04637	P53_HUMAN	Cellular tumor antigen p53	TP53
Not defined	sp	P04844	RPN2_HUMAN	Dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit 2	RPN2
Not defined	sp	P04920	B3A2_HUMAN	Anion exchange protein 2	SLC4A2
Not defined	sp	P05090	APOD_HUMAN	Apolipoprotein D	APOD
Not defined	sp	P05091	ALDH2_HUMAN	Aldehyde dehydrogenase, mitochondrial	ALDH2
Not defined	sp	P05106	ITB3_HUMAN	Integrin beta-3	ITGB3
Not defined	sp	P05120	PAI2_HUMAN	Plasminogen activator inhibitor 2	SERPINB2
Not defined	sp	P05141	ADT2_HUMAN	ADP/ATP translocase 2	SLC25A5
Not defined	sp	P05164	PERM_HUMAN	Myeloperoxidase	MPO
Not defined	sp	P05165	PCCA_HUMAN	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA
Not defined	sp	P05166	PCCB_HUMAN	Propionyl-CoA carboxylase beta chain, mitochondrial	PCCB
Not defined	sp	P05181	CP2E1_HUMAN	Cytochrome P450 2E1	CYP2E1
Not defined	sp	P05198	IF2A_HUMAN	Eukaryotic translation initiation factor 2 subunit 1	EIF2S1
Not defined	sp	P05412	JUN_HUMAN	Transcription factor AP-1	JUN
Not defined	sp	P05549	AP2A_HUMAN	Transcription factor AP-2-alpha	TFAP2A
Not defined	sp	P05937	CALB1_HUMAN	Calbindin	CALB1
Not defined	sp	P05997	COL5A2_HUMAN	Collagen alpha-2(V) chain	COL5A2
Not defined	sp	P06239	LCK_HUMAN	Tyrosine-protein kinase Lck	LCK
Not defined	sp	P06241	FYN_HUMAN	Tyrosine-protein kinase Fyn	FYN
Not defined	sp	P06280	AGAL_HUMAN	Alpha-galactosidase A	GLA
Not defined	sp	P06400	RB_HUMAN	Retinoblastoma-associated protein	RB1
Not defined	sp	P06454	PTMA_HUMAN	Prothymosin alpha	PTMA
Not defined	sp	P06493	CDK1_HUMAN	Cyclin-dependent kinase 1	CDK1
Not defined	sp	P06702	S10A9_HUMAN	Protein S100-A9	S100A9
Not defined	sp	P06727	APOA4_HUMAN	Apolipoprotein A-IV	APOA4
Not defined	sp	P06732	KCRM_HUMAN	Creatine kinase M-type	CKM
Not defined	sp	P06746	DPOLB_HUMAN	DNA polymerase beta	POLB
Not defined	sp	P06756	ITAV_HUMAN	Integrin alpha-V	ITGAV
Not defined	sp	P06865	HEXA_HUMAN	Beta-hexosaminidase subunit alpha	HEXA
Not defined	sp	P07148	FABPL_HUMAN	Fatty acid-binding protein, liver	FABP1
Not defined	sp	P07196	NFL_HUMAN	Neurofilament light polypeptide	NEFL
Not defined	sp	P07197	NFM_HUMAN	Neurofilament medium polypeptide	NEFM
Not defined	sp	P07199	CENPB_HUMAN	Major centromere autoantigen B	CENPB
Not defined	sp	P07204	TRBM_HUMAN	Thrombomodulin	THBD
Not defined	sp	P07225	PROS_HUMAN	Vitamin K-dependent protein S	PROS1
Not defined	sp	P07358	CO8B_HUMAN	Complement component C8 beta chain	C8B
Not defined	sp	P07384	CAN1_HUMAN	Calpain-1 catalytic subunit	CAPN1
Not defined	sp	P07585	PGS2_HUMAN	Decorin	DCN
Not defined	sp	P07711	CATL1_HUMAN	Cathepsin L1	CTSL
Not defined	sp	P07738	PMGE_HUMAN	Bisphosphoglycerate mutase	BPGM
Not defined	sp	P07902	GALT_HUMAN	Galactose-1-phosphate uridylyltransferase	GALT
Not defined	sp	P07911	UROM_HUMAN	Uromodulin	UMOD
Not defined	sp	P07919	OCR6_HUMAN	Cytochrome b-c1 complex subunit 6, mitochondrial	UQCRC1
Not defined	sp	P07947	YES_HUMAN	Tyrosine-protein kinase Yes	YES1
Not defined	sp	P07948	LYN_HUMAN	Tyrosine-protein kinase Lyn	LYN
Not defined	sp	P08048	ZFY_HUMAN	Zinc finger Y-chromosomal protein	ZFY
Not defined	sp	P08069	IGF1R_HUMAN	Insulin-like growth factor 1 receptor	IGF1R
Not defined	sp	P08133	ANXA6_HUMAN	Annexin A6	ANXA6
Not defined	sp	P08236	BGLR_HUMAN	Beta-glucuronidase	GUSB
Not defined	sp	P08237	PFKAM_HUMAN	ATP-dependent 6-phosphofructokinase, muscle type	PFKM
Not defined	sp	P08240	SRPRA_HUMAN	Signal recognition particle receptor subunit alpha	SRPRA
Not defined	sp	P08243	ASNS_HUMAN	Asparagine synthetase [glutamine-hydrolyzing]	ASNS
Not defined	sp	P08253	MMP2_HUMAN	72 kDa type IV collagenase	MMP2
Not defined	sp	P08254	MMP3_HUMAN	Stromelysin-1	MMP3
Not defined	sp	P08397	HEM3_HUMAN	Prophobilinogen deaminase	HMB3
Not defined	sp	P08473	NEP_HUMAN	Nephrilysin	MME
Not defined	sp	P08476	INHBA_HUMAN	Inhibin beta A chain	INHBA
Not defined	sp	P08571	CD14_HUMAN	Monocyte differentiation antigen CD14	CD14
Not defined	sp	P08572	COL4A2_HUMAN	Collagen alpha-2(IV) chain	COL4A2
Not defined	sp	P08575	PTPRC_HUMAN	Receptor-type tyrosine-protein phosphatase C	PTPRC
Not defined	sp	P08581	MET_HUMAN	Hepatocyte growth factor receptor	MET
Not defined	sp	P08582	TRFM_HUMAN	Melanotransferrin	MELTF
Not defined	sp	P08603	CFAH_HUMAN	Complement factor H	CFH
Not defined	sp	P08631	HCK_HUMAN	Tyrosine-protein kinase HCK	HCK
Not defined	sp	P08648	ITGA5_HUMAN	Integrin alpha-5	ITGA5
Not defined	sp	P08651	NFIC_HUMAN	Nuclear factor 1 C-type	NFIC
Not defined	sp	P08670	VIME_HUMAN	Vimentin	VIM
Not defined	sp	P09001	RM03_HUMAN	39S ribosomal protein L3, mitochondrial	MRPL3
Not defined	sp	P09038	FGF2_HUMAN	Fibroblast growth factor 2	FGF2
Not defined	sp	P09086	PO2F2_HUMAN	POU domain, class 2, transcription factor 2	POU2F2
Not defined	sp	P09110	THIK_HUMAN	3-ketoacyl-CoA thiolase, peroxisomal	ACAA1
Not defined	sp	P09132	SRP19_HUMAN	Signal recognition particle 19 kDa protein	SRP19
Not defined	sp	P09238	MMP10_HUMAN	Stromelysin-2	MMP10
Not defined	sp	P09417	DHPR_HUMAN	Dihydropteridine reductase	QDPR
Not defined	sp	P09455	RET1_HUMAN	Retinol-binding protein 1	RBP1
Not defined	sp	P09467	F16P1_HUMAN	Fructose-1,6-bisphosphatase 1	FBP1
Not defined	sp	P09488	GSTM1_HUMAN	Glutathione S-transferase Mu 1	GSTM1
Not defined	sp	P09497	CLCB_HUMAN	Clathrin light chain B	CLTB
Not defined	sp	P09601	HMOX1_HUMAN	Heme oxygenase 1	HMOX1
Not defined	sp	P09603	CSF1_HUMAN	Macrophage colony-stimulating factor 1	CSF1
Not defined	sp	P09668	CATH_HUMAN	Pro-cathepsin H	CTSH
Not defined	sp	P09758	TACSD2_HUMAN	Tumor-associated calcium signal transducer 2	TACSD2
Not defined	sp	P09769	FGR_HUMAN	Tyrosine-protein kinase Fgr	FGR
Not defined	sp	P09884	DPOLA_HUMAN	DNA polymerase alpha catalytic subunit	POLA1
Not defined	sp	P09913	IFIT2_HUMAN	Interferon-induced protein with tetratricopeptide repeats 2	IFIT2

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	P09914	IFIT1_HUMAN	Interferon-induced protein with tetratricopeptide repeats 1	IFIT1
Not defined	sp	P0C221	CC175_HUMAN	Coiled-coil domain-containing protein 175	CCDC175
Not defined	sp	P0C870	JMJD7_HUMAN	Bifunctional peptidase and (3S)-lysyl hydroxylase JMJD7	JMJD7
Not defined	sp	P0CAP1	MYZAP_HUMAN	Myocardial zonula adherens protein	MYZAP
Not defined	sp	P0CAP2	GRL1A_HUMAN	DNA-directed RNA polymerase II subunit GRINL1A	POLR2M
Not defined	sp	P0CB47	UBFL1_HUMAN	Upstream-binding factor 1-like protein 1	UBTFL1
Not defined	sp	P0CG12	DERPC_HUMAN	Decreased expression in renal and prostate cancer protein	DERPC
Not defined	sp	P0CG22	DR4L1_HUMAN	Putative dehydrogenase/reductase SDR family member 4-like 1	DHRS4L1
Not defined	sp	P0CG29	GST2_HUMAN	Glutathione S-transferase theta-2	GSTT2
Not defined	sp	P0CG30	GSTT2_HUMAN	Glutathione S-transferase theta-2B	GSTT2B
Not defined	sp	P0CH98	F106C_HUMAN	Protein FAM106C	FAM106C
Not defined	sp	P0CJ78	ZN865_HUMAN	Zinc finger protein 865	ZN865
Not defined	sp	P0CL80	GG12F_HUMAN	G antigen 12F	GAGE12F
Not defined	sp	P0CL81	GG12G_HUMAN	G antigen 12G	GAGE12G
Not defined	sp	P0CL82	GG12I_HUMAN	G antigen 12I	GAGE12I
Not defined	sp	P0DI81	TPC2A_HUMAN	Trafficking protein particle complex subunit 2	TRAPP2
Not defined	sp	P0DI82	TPC2B_HUMAN	Trafficking protein particle complex subunit 2B	TRAPP2B
Not defined	sp	P0DJ07	PT100_HUMAN	Protein PET100 homolog, mitochondrial	PET100
Not defined	sp	P0DJD0	RGPD1_HUMAN	RANBP2-like and GRIP domain-containing protein 1	RGPD1
Not defined	sp	P0DJD4	RBV1C_HUMAN	RNA-binding motif protein, Y chromosome, family 1 member C	RBMY1C
Not defined	sp	P0DM63	NPIA8_HUMAN	Nuclear pore complex-interacting protein family member A8	NPIA8
Not defined	sp	P0DMM9	ST1A3_HUMAN	Sulfotransferase 1A3	SULT1A3
Not defined	sp	P0DMN0	ST1A4_HUMAN	Sulfotransferase 1A4	SULT1A4
Not defined	sp	P0DMQ9	CH089_HUMAN	Putative uncharacterized protein C8orf89	C8orf89
Not defined	sp	P0DN79	CBSL_HUMAN	Cystathionine beta-synthase-like protein	CBSL
Not defined	sp	P0DP58	LYNX1_HUMAN	Ly-6/neurotoxin-like protein 1	LYNX1
Not defined	sp	P0DP86	RPAC2_HUMAN	DNA-directed RNA polymerases I and III subunit RPAC2	POLR1D
Not defined	sp	P0DPD7	EFMT4_HUMAN	EEF1A lysine methyltransferase 4	EEF1AKMT4
Not defined	sp	P0DPD8	EFCE2_HUMAN	EEF1AKMT4-ECE2 readthrough transcript protein	EEF1AKMT4-ECE2
Not defined	sp	P0DPI3	CENL2_HUMAN	Centromere protein V-like protein 2	CENPV2
Not defined	sp	P10074	TZAP_HUMAN	Telomere zinc finger-associated protein	ZBTB48
Not defined	sp	P10109	ADX_HUMAN	Adrenodoxin, mitochondrial	FDX1
Not defined	sp	P10155	RO60_HUMAN	60 kDa SS-A/Ro ribonucleoprotein	RO60
Not defined	sp	P10301	RRAS_HUMAN	Ras-related protein R-Ras	RRAS
Not defined	sp	P10586	PTPRF_HUMAN	Receptor-type tyrosine-protein phosphatase F	PTPRF
Not defined	sp	P10620	MGST1_HUMAN	Microsomal glutathione S-transferase 1	MGST1
Not defined	sp	P10636	TAU_HUMAN	Microtubule-associated protein tau	MAPT
Not defined	sp	P10644	KAP0_HUMAN	cAMP-dependent protein kinase type I-alpha regulatory subunit	PRKAR1A
Not defined	sp	P10646	TFPI1_HUMAN	Tissue factor pathway inhibitor	TFPI
Not defined	sp	P10915	HPLN1_HUMAN	Hyaluronan and proteoglycan link protein 1	HAPLN1
Not defined	sp	P10916	MLRV_HUMAN	Myosin regulatory light chain 2, ventricular/cardiac muscle isoform	MYL2
Not defined	sp	P11117	PPAL_HUMAN	Lysosomal acid phosphatase	ACP2
Not defined	sp	P11137	MTAP2_HUMAN	Microtubule-associated protein 2	MAP2
Not defined	sp	P11166	GTR1_HUMAN	Solute carrier family 2, facilitated glucose transporter member 1	SLC2A1
Not defined	sp	P11169	GTR3_HUMAN	Solute carrier family 2, facilitated glucose transporter member 3	SLC2A3
Not defined	sp	P11172	UMPS_HUMAN	Uridine 5'-monophosphate synthase	UMPS
Not defined	sp	P11182	ODD2_HUMAN	Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial	DBT
Not defined	sp	P11215	ITAM_HUMAN	Integrin alpha-M	ITGAM
Not defined	sp	P11217	PYGM_HUMAN	Glycogen phosphorylase, muscle form	PYGM
Not defined	sp	P11234	RALB_HUMAN	Ras-related protein Ral-B	RALB
Not defined	sp	P11277	SPTB1_HUMAN	Spectrin beta chain, erythrocytic	SPTB
Not defined	sp	P11308	ERG_HUMAN	Transcriptional regulator ERG	ERG
Not defined	sp	P11310	ACADM_HUMAN	Medium-chain specific acyl-CoA dehydrogenase, mitochondrial	ACADM
Not defined	sp	P11362	FGFR1_HUMAN	Fibroblast growth factor receptor 1	FGFR1
Not defined	sp	P11387	TOP1_HUMAN	DNA topoisomerase 1	TOP1
Not defined	sp	P11388	TOP2A_HUMAN	DNA topoisomerase 2-alpha	TOP2A
Not defined	sp	P11487	FGF3_HUMAN	Fibroblast growth factor 3	FGF3
Not defined	sp	P11498	PYC_HUMAN	Pyruvate carboxylase, mitochondrial	PC
Not defined	sp	P11532	DMD_HUMAN	Dystrophin	DMD
Not defined	sp	P11586	C1TC_HUMAN	C-1-tetrahydrofolate synthase, cytoplasmic	MTHFD1
Not defined	sp	P11678	PERE_HUMAN	Eosinophil peroxidase	EPX
Not defined	sp	P11766	ADHX_HUMAN	Alcohol dehydrogenase class-3	ADH5
Not defined	sp	P11802	CDK4_HUMAN	Cyclin-dependent kinase 4	CDK4
Not defined	sp	P12036	NFH_HUMAN	Neurofilament heavy polypeptide	NEFH
Not defined	sp	P12074	CX6A1_HUMAN	Cytochrome c oxidase subunit 6A1, mitochondrial	COX6A1
Not defined	sp	P12107	COBA1_HUMAN	Collagen alpha-1(XI) chain	COL11A1
Not defined	sp	P12110	CO6A2_HUMAN	Collagen alpha-2(VI) chain	COL6A2
Not defined	sp	P12235	ADT1_HUMAN	ADP/ATP translocase 1	SLC25A4
Not defined	sp	P12236	ADT3_HUMAN	ADP/ATP translocase 3	SLC25A6
Not defined	sp	P12273	PIP_HUMAN	Prolactin-inducible protein	PIP
Not defined	sp	P12277	KCRB_HUMAN	Creatine kinase B-type	CKB
Not defined	sp	P12429	ANXA3_HUMAN	Annexin A3	ANXA3
Not defined	sp	P12645	BMP3_HUMAN	Bone morphogenetic protein 3	BMP3
Not defined	sp	P12694	ODBA_HUMAN	2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial	BCKDHA
Not defined	sp	P12821	ACE_HUMAN	Angiotensin-converting enzyme	ACE
Not defined	sp	P13010	XRCC5_HUMAN	X-ray repair cross-complementing protein 5	XRCC5
Not defined	sp	P13284	GILT_HUMAN	Gamma-interferon-inducible lysosomal thiol reductase	IFI30
Not defined	sp	P13378	HXD8_HUMAN	Homeobox protein Hox-D8	HOXD8
Not defined	sp	P13521	SCG2_HUMAN	Secretogranin-2	SCG2
Not defined	sp	P13591	NCAM1_HUMAN	Neural cell adhesion molecule 1	NCAM1
Not defined	sp	P13598	ICAM2_HUMAN	Intercellular adhesion molecule 2	ICAM2
Not defined	sp	P13611	CSPG2_HUMAN	Versican core protein	VCAN
Not defined	sp	P13671	CO6_HUMAN	Complement component C6	C6
Not defined	sp	P13688	CEAM1_HUMAN	Carcinoembryonic antigen-related cell adhesion molecule 1	CEACAM1
Not defined	sp	P13716	HEM2_HUMAN	Delta-aminolevulinic acid dehydratase	ALAD
Not defined	sp	P13726	TF_HUMAN	Tissue factor	F3
Not defined	sp	P13747	HLA_E_HUMAN	HLA class I histocompatibility antigen, alpha chain E	HLA-E
Not defined	sp	P13796	PLSL_HUMAN	Plastin-2	LCP1
Not defined	sp	P13807	GYS1_HUMAN	Glycogen [starch] synthase, muscle	GYS1
Not defined	sp	P13928	ANXA8_HUMAN	Annexin A8	ANXA8

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Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	P13987	CD59_HUMAN	CD59 glycoprotein	CD59
Not defined	sp	P14136	GFAP_HUMAN	Glial fibrillary acidic protein	GFAP
Not defined	sp	P14209	CD99_HUMAN	CD99 antigen	CD99
Not defined	sp	P14317	HCLS1_HUMAN	Hematopoietic lineage cell-specific protein	HCLS1
Not defined	sp	P14324	FPPS_HUMAN	Farnesyl pyrophosphate synthase	FPPS
Not defined	sp	P14384	CBPM_HUMAN	Carboxypeptidase M	CPM
Not defined	sp	P14410	SUIS_HUMAN	Sucrase-isomaltase, intestinal	SI
Not defined	sp	P14543	NID1_HUMAN	Nidogen-1	NID1
Not defined	sp	P14621	ACYP2_HUMAN	Acylphosphatase-2	ACYP2
Not defined	sp	P14635	CCNB1_HUMAN	G2/mitotic-specific cyclin-B1	CCNB1
Not defined	sp	P14735	IDE_HUMAN	Insulin-degrading enzyme	IDE
Not defined	sp	P14854	CX6B1_HUMAN	Cytochrome c oxidase subunit 6B1	COX6B1
Not defined	sp	P14859	PO2F1_HUMAN	POU domain, class 2, transcription factor 1	POU2F1
Not defined	sp	P14868	SYDC_HUMAN	Aspartate-tRNA ligase, cytoplasmic	DARS1
Not defined	sp	P14923	PLAK_HUMAN	Junction plakoglobin	JUP
Not defined	sp	P15104	GLNA_HUMAN	Glutamine synthetase	GLUL
Not defined	sp	P15144	AMPN_HUMAN	Aminopeptidase N	ANPEP
Not defined	sp	P15151	PVR_HUMAN	Poliiovirus receptor	PVR
Not defined	sp	P15289	ARSA_HUMAN	Arylsulfatase A	ARSA
Not defined	sp	P15291	B4GT1_HUMAN	Beta-1,4-galactosyltransferase 1	B4GALT1
Not defined	sp	P15313	VATB1_HUMAN	V-type proton ATPase subunit B, kidney isoform	ATP6V1B1
Not defined	sp	P15408	FOSL2_HUMAN	Fos-related antigen 2	FOSL2
Not defined	sp	P15428	PGDH_HUMAN	15-hydroxyprostaglandin dehydrogenase [NAD(+)]	HPGD
Not defined	sp	P15529	MCP_HUMAN	Membrane cofactor protein	CD46
Not defined	sp	P15559	NQO1_HUMAN	NAD(P)H dehydrogenase [quinone] 1	NQO1
Not defined	sp	P15822	ZEP1_HUMAN	Zinc finger protein 40	HIVEP1
Not defined	sp	P15848	ARSB_HUMAN	Arylsulfatase B	ARSB
Not defined	sp	P15880	RS2_HUMAN	40S ribosomal protein S2	RPS2
Not defined	sp	P15884	ITF2_HUMAN	Transcription factor 4	TCF4
Not defined	sp	P15918	RAG1_HUMAN	V(D)J recombination-activating protein 1	RAG1
Not defined	sp	P15923	TFE2_HUMAN	Transcription factor E2-alpha	TCF3
Not defined	sp	P15924	DESP_HUMAN	Desmoplakin	DSP
Not defined	sp	P15976	GATA1_HUMAN	Erythroid transcription factor	GATA1
Not defined	sp	P16035	TIMP2_HUMAN	Metalloproteinase inhibitor 2	TIMP2
Not defined	sp	P16083	NQO2_HUMAN	Ribosylidihyronicotinamide dehydrogenase [quinone]	NQO2
Not defined	sp	P16118	F2F1_HUMAN	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 1	PFKFB1
Not defined	sp	P16144	ITGB4_HUMAN	Integrin beta-4	ITGB4
Not defined	sp	P16219	ACADS_HUMAN	Short-chain specific acyl-CoA dehydrogenase, mitochondrial	ACADS
Not defined	sp	P16220	CREB1_HUMAN	Cyclic AMP-responsive element-binding protein 1	CREB1
Not defined	sp	P16234	PGFRA_HUMAN	Platelet-derived growth factor receptor alpha	PDGFRA
Not defined	sp	P16333	NCK1_HUMAN	Cytoplasmic protein NCK1	NCK1
Not defined	sp	P16383	GCFC2_HUMAN	GC-rich sequence DNA-binding factor 2	GCFC2
Not defined	sp	P16422	EPCAM_HUMAN	Epithelial cell adhesion molecule	EPCAM
Not defined	sp	P16435	NCPR_HUMAN	NADPH-cytochrome P450 reductase	POR
Not defined	sp	P16455	MGMT_HUMAN	Methylated-DNA-protein-cysteine methyltransferase	MGMT
Not defined	sp	P16520	GBB3_HUMAN	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-3	GNB3
Not defined	sp	P16615	AT2A2_HUMAN	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	ATP2A2
Not defined	sp	P17010	ZFX_HUMAN	Zinc finger X-chromosomal protein	ZFX
Not defined	sp	P17029	ZKSC1_HUMAN	Zinc finger protein with KRAB and SCAN domains 1	ZKSCAN1
Not defined	sp	P17032	ZNF37A_HUMAN	Zinc finger protein 37A	ZNF37A
Not defined	sp	P17050	NAGAB_HUMAN	Alpha-N-acetylgalactosaminidase	NAGA
Not defined	sp	P17098	ZNF8_HUMAN	Zinc finger protein 8	ZNF8
Not defined	sp	P17213	BPI_HUMAN	Bactericidal permeability-increasing protein	BPI
Not defined	sp	P17275	JUNB_HUMAN	Transcription factor jun-B	JUNB
Not defined	sp	P17480	UBF1_HUMAN	Nucleolar transcription factor 1	UBTF
Not defined	sp	P17483	HXB4_HUMAN	Homeobox protein Hox-B4	HOXB4
Not defined	sp	P17516	AKR1C4_HUMAN	Aldo-keto reductase family 1 member C4	AKR1C4
Not defined	sp	P17540	KCRS_HUMAN	Creatine kinase S-type, mitochondrial	CKMT2
Not defined	sp	P17568	NDU87_HUMAN	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 7	NDUFB7
Not defined	sp	P17612	KAPCA_HUMAN	cAMP-dependent protein kinase catalytic subunit alpha	PRKACA
Not defined	sp	P17655	CAN2_HUMAN	Calpain-2 catalytic subunit	CAPN2
Not defined	sp	P17661	DESM_HUMAN	Desmin	DES
Not defined	sp	P17676	CEBPB_HUMAN	CCAAT/enhancer-binding protein beta	CEBPB
Not defined	sp	P17693	HLA_G_HUMAN	HLA class I histocompatibility antigen, alpha chain G	HLA-G
Not defined	sp	P17706	PTN2_HUMAN	Tyrosine-protein phosphatase non-receptor type 2	PTPN2
Not defined	sp	P17812	PYRG1_HUMAN	CTP synthase 1	CTPS1
Not defined	sp	P17813	ENGL_HUMAN	Endoglin	ENG
Not defined	sp	P17844	DDX5_HUMAN	Probable ATP-dependent RNA helicase DDX5	DDX5
Not defined	sp	P17858	PFKAL_HUMAN	ATP-dependent 6-phosphofructokinase, liver type	PFKL
Not defined	sp	P17900	SAP3_HUMAN	Ganglioside GM2 activator	GM2A
Not defined	sp	P17948	VGFR1_HUMAN	Vascular endothelial growth factor receptor 1	FLT1
Not defined	sp	P17987	TCPA_HUMAN	T-complex protein 1 subunit alpha	TCP1
Not defined	sp	P18084	ITB5_HUMAN	Integrin beta-5	ITGB5
Not defined	sp	P18283	GPX2_HUMAN	Glutathione peroxidase 2	GPX2
Not defined	sp	P18433	PTPRA_HUMAN	Receptor-type tyrosine-protein phosphatase alpha	PTPRA
Not defined	sp	P18510	IL1RA_HUMAN	Interleukin-1 receptor antagonist protein	IL1RN
Not defined	sp	P18583	SON_HUMAN	Protein SON	SON
Not defined	sp	P18621	RL17_HUMAN	60S ribosomal protein L17	RPL17
Not defined	sp	P18846	ATF1_HUMAN	Cyclic AMP-dependent transcription factor ATF-1	ATF1
Not defined	sp	P18887	XRCC1_HUMAN	DNA repair protein XRCC1	XRCC1
Not defined	sp	P19021	AMD_HUMAN	Peptidyl-glycine alpha-amidating monoxygenase	PAM
Not defined	sp	P19022	CADH2_HUMAN	Cadherin-2	CDH2
Not defined	sp	P19174	PLCG1_HUMAN	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1	PLCG1
Not defined	sp	P19320	VCAM1_HUMAN	Vascular cell adhesion protein 1	VCAM1
Not defined	sp	P19367	HXK1_HUMAN	Hexokinase-1	HK1
Not defined	sp	P19387	RPB3_HUMAN	DNA-directed RNA polymerase II subunit RPB3	POLR2C
Not defined	sp	P19438	TNFR1A_HUMAN	Tumor necrosis factor receptor superfamily member 1A	TNFRSF1A
Not defined	sp	P19440	GGT1_HUMAN	Glutathione hydrolase 1 proenzyme	GGT1
Not defined	sp	P19474	ROS2_HUMAN	E3 ubiquitin-protein ligase TRIM21	TRIM21
Not defined	sp	P19484	TFEB_HUMAN	Transcription factor EB	TFEB

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Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	P19525	E2AK2_HUMAN	Interferon-induced, double-stranded RNA-activated protein kinase	EIF2AK2
Not defined	sp	P19532	TFE3_HUMAN	Transcription factor E3	TFE3
Not defined	sp	P19793	RXRA_HUMAN	Retinoic acid receptor RXR-alpha	RXRA
Not defined	sp	P19838	NFKB1_HUMAN	Nuclear factor NF-kappa-B p105 subunit	NFKB1
Not defined	sp	P19883	FST_HUMAN	Follistatin	FST
Not defined	sp	P19971	TYPH_HUMAN	Thymidine phosphorylase	TYMP
Not defined	sp	P20020	AT2B1_HUMAN	Plasma membrane calcium-transporting ATPase 1	ATP2B1
Not defined	sp	P20042	IF2B_HUMAN	Eukaryotic translation initiation factor 2 subunit 2	EIF2S2
Not defined	sp	P20061	TCO1_HUMAN	Transcobalamin-1	TCN1
Not defined	sp	P20062	TCO2_HUMAN	Transcobalamin-2	TCN2
Not defined	sp	P20585	MSH3_HUMAN	DNA mismatch repair protein Msh3	MSH3
Not defined	sp	P20591	MX1_HUMAN	Interferon-induced GTP-binding protein Mx1	MX1
Not defined	sp	P20648	ATP4A_HUMAN	Potassium-transporting ATPase alpha chain 1	ATP4A
Not defined	sp	P20794	MAK_HUMAN	Serine/threonine-protein kinase MAK	MAK
Not defined	sp	P20809	IL11_HUMAN	Interleukin-11	IL11
Not defined	sp	P20813	CP2B6_HUMAN	Cytochrome P450 2B6	CYP2B6
Not defined	sp	P20823	HNF1A_HUMAN	Hepatocyte nuclear factor 1-alpha	HNF1A
Not defined	sp	P20930	FILA_HUMAN	Filaggrin	FLG
Not defined	sp	P21127	CD11B_HUMAN	Cyclin-dependent kinase 11B	CDK11B
Not defined	sp	P21217	FUT3_HUMAN	Galactoside 3(4)-L-fucosyltransferase	FUT3
Not defined	sp	P21266	GSTM3_HUMAN	Glutathione S-transferase Mu 3	GSTM3
Not defined	sp	P21281	VATB2_HUMAN	V-type proton ATPase subunit B, brain isoform	ATP6V1B2
Not defined	sp	P21359	NF1_HUMAN	Neurofibromin	NF1
Not defined	sp	P21397	AOFA_HUMAN	Amine oxidase [flavin-containing] A	MAOA
Not defined	sp	P21399	ACOC_HUMAN	Cytoplasmic aconitate hydratase	ACO1
Not defined	sp	P21579	SYT1_HUMAN	Synaptotagmin-1	SYT1
Not defined	sp	P21589	5NTD_HUMAN	5'-nucleotidase	NT5E
Not defined	sp	P21675	TAF1_HUMAN	Transcription initiation factor TFIID subunit 1	TAF1
Not defined	sp	P21802	FGFR2_HUMAN	Fibroblast growth factor receptor 2	FGFR2
Not defined	sp	P21817	RYR1_HUMAN	Ryanodine receptor 1	RYR1
Not defined	sp	P21860	ERBB3_HUMAN	Receptor tyrosine-protein kinase erbB-3	ERBB3
Not defined	sp	P21964	COMT_HUMAN	Catechol O-methyltransferase	COMT
Not defined	sp	P22033	MUTA_HUMAN	Methylmalonyl-CoA mutase, mitochondrial	MMUT
Not defined	sp	P22059	OSBP1_HUMAN	Oxysterol-binding protein 1	OSBP
Not defined	sp	P22087	FBRL_HUMAN	rRNA 2'-O-methyltransferase fibrillar	FBL
Not defined	sp	P22090	RS4Y1_HUMAN	40S ribosomal protein S4, Y isoform 1	RPS4Y1
Not defined	sp	P22102	PUR2_HUMAN	Trifunctional purine biosynthetic protein adenosine-3	GART
Not defined	sp	P22223	CADH3_HUMAN	Cadherin-3	CDH3
Not defined	sp	P22303	ACES_HUMAN	Acetylcholinesterase	ACHE
Not defined	sp	P22413	ENPP1_HUMAN	Ectonucleotide pyrophosphatase/phosphodiesterase family member 1	ENPP1
Not defined	sp	P22455	FGFR4_HUMAN	Fibroblast growth factor receptor 4	FGFR4
Not defined	sp	P22570	ADRO_HUMAN	NADPH:adenodoxin oxidoreductase, mitochondrial	FDXR
Not defined	sp	P22607	FGFR3_HUMAN	Fibroblast growth factor receptor 3	FGFR3
Not defined	sp	P22676	CALB2_HUMAN	Calretinin	CALB2
Not defined	sp	P22681	CBL_HUMAN	E3 ubiquitin-protein ligase CBL	CBL
Not defined	sp	P22897	MRC1_HUMAN	Macrophage mannose receptor 1	MRC1
Not defined	sp	P23025	XPA_HUMAN	DNA repair protein complementing XP-A cells	XPA
Not defined	sp	P23297	S10A1_HUMAN	Protein S100-A1	S100A1
Not defined	sp	P23368	MAOM_HUMAN	NAD-dependent malic enzyme, mitochondrial	ME2
Not defined	sp	P23467	PTPRB_HUMAN	Receptor-type tyrosine-protein phosphatase beta	PTPRB
Not defined	sp	P23468	PTPRD_HUMAN	Receptor-type tyrosine-protein phosphatase delta	PTPRD
Not defined	sp	P23469	PTPRE_HUMAN	Receptor-type tyrosine-protein phosphatase epsilon	PTPRE
Not defined	sp	P23470	PTPRG_HUMAN	Receptor-type tyrosine-protein phosphatase gamma	PTPRG
Not defined	sp	P23497	SP100_HUMAN	Nuclear autoantigen Sp-100	SP100
Not defined	sp	P23508	CRCM_HUMAN	Colorectal mutant cancer protein	MCC
Not defined	sp	P23511	NFYA_HUMAN	Nuclear transcription factor Y subunit alpha	NFYA
Not defined	sp	P23634	AT2B4_HUMAN	Plasma membrane calcium-transporting ATPase 4	ATP2B4
Not defined	sp	P23743	DGKA_HUMAN	Diacylglycerol kinase alpha	DGKA
Not defined	sp	P23763	VAMP1_HUMAN	Vesicle-associated membrane protein 1	VAMP1
Not defined	sp	P23919	KTHY_HUMAN	Thymidylate kinase	DTYMK
Not defined	sp	P23921	RIR1_HUMAN	Ribonucleoside-diphosphate reductase large subunit	RRM1
Not defined	sp	P24043	LAMA2_HUMAN	Laminin subunit alpha-2	LAMA2
Not defined	sp	P24046	GBRR1_HUMAN	Gamma-aminobutyric acid receptor subunit rho-1	GABRR1
Not defined	sp	P24347	MMP11_HUMAN	Stromelysin-3	MMP11
Not defined	sp	P24592	IBP6_HUMAN	Insulin-like growth factor-binding protein 6	IGFBP6
Not defined	sp	P24593	IBP5_HUMAN	Insulin-like growth factor-binding protein 5	IGFBP5
Not defined	sp	P24928	RPB1_HUMAN	DNA-directed RNA polymerase II subunit RPB1	POLR2A
Not defined	sp	P24941	CDK2_HUMAN	Cyclin-dependent kinase 2	CDK2
Not defined	sp	P25054	APC_HUMAN	Adenomatous polyposis coli protein	APC
Not defined	sp	P25205	MCM3_HUMAN	DNA replication licensing factor MCM3	MCM3
Not defined	sp	P25208	NFYB_HUMAN	Nuclear transcription factor Y subunit beta	NFYB
Not defined	sp	P25311	ZA2G_HUMAN	Zinc-alpha-2-glycoprotein	AZGP1
Not defined	sp	P25391	LAMA1_HUMAN	Laminin subunit alpha-1	LAMA1
Not defined	sp	P25440	BRD2_HUMAN	Bromodomain-containing protein 2	BRD2
Not defined	sp	P25445	TNR6_HUMAN	Tumor necrosis factor receptor superfamily member 6	FAS
Not defined	sp	P25490	YY1_HUMAN	Transcriptional repressor protein YY1	YY1
Not defined	sp	P25686	DNJB2_HUMAN	DnaJ homolog subfamily B member 2	DNJB2
Not defined	sp	P25815	S100P_HUMAN	Protein S100-P	S100P
Not defined	sp	P26022	PTX3_HUMAN	Pentraxin-related protein PTX3	PTX3
Not defined	sp	P26196	DDX6_HUMAN	Probable ATP-dependent RNA helicase DDX6	DDX6
Not defined	sp	P26232	CTNA2_HUMAN	Catenin alpha-2	CTNNA2
Not defined	sp	P26358	DNMT1_HUMAN	DNA (cytosine-5)-methyltransferase 1	DNMT1
Not defined	sp	P26378	ELAV4_HUMAN	ELAV-like protein 4	ELAVL4
Not defined	sp	P26447	S10A4_HUMAN	Protein S100-A4	S100A4
Not defined	sp	P26572	MGAT1_HUMAN	Alpha-1,3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase	MGAT1
Not defined	sp	P26640	SYVC_HUMAN	Valine-tRNA ligase	VARS1
Not defined	sp	P26927	HGFL_HUMAN	Hepatocyte growth factor-like protein	MST1
Not defined	sp	P27105	STOM_HUMAN	Erythrocyte band 7 integral membrane protein	STOM
Not defined	sp	P27144	KAD4_HUMAN	Adenylate kinase 4, mitochondrial	AK4
Not defined	sp	P27216	ANX13_HUMAN	Annexin A13	ANXA13

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Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	P27361	MK03_HUMAN	Mitogen-activated protein kinase 3	MAPK3
Not defined	sp	P27448	MARK3_HUMAN	MAP/microtubule affinity-regulating kinase 3	MARK3
Not defined	sp	P27449	VATL_HUMAN	V-type proton ATPase 16 kDa proteolipid subunit	ATP6VOC
Not defined	sp	P27482	CALL3_HUMAN	Calmodulin-like protein 3	CALML3
Not defined	sp	P27635	RL10_HUMAN	60S ribosomal protein L10	RPL10
Not defined	sp	P27701	CD82_HUMAN	CD82 antigen	CD82
Not defined	sp	P27707	DCK_HUMAN	Deoxycytidine kinase	DCK
Not defined	sp	P27708	PYR1_HUMAN	CAD protein	CAD
Not defined	sp	P27815	PDE4A_HUMAN	cAMP-specific 3',5'-cyclic phosphodiesterase 4A	PDE4A
Not defined	sp	P27930	IL1R2_HUMAN	Interleukin-1 receptor type 2	IL1R2
Not defined	sp	P28065	PSB9_HUMAN	Proteasome subunit beta type-9	PSMB9
Not defined	sp	P28067	DMA_HUMAN	HLA class II histocompatibility antigen, DM alpha chain	HLA-DMA
Not defined	sp	P28161	GSTM2_HUMAN	Glutathione S-transferase Mu 2	GSTM2
Not defined	sp	P28289	TMOD1_HUMAN	Tropomodulin-1	TMOD1
Not defined	sp	P28324	ELK4_HUMAN	ETS domain-containing protein Elk-4	ELK4
Not defined	sp	P28370	SMCA1_HUMAN	Probable global transcription activator SNF2L1	SMARCA1
Not defined	sp	P28676	GRAN_HUMAN	Grancalcin	GCA
Not defined	sp	P28702	RXRβ_HUMAN	Retinoic acid receptor RXR-beta	RXRβ
Not defined	sp	P28799	GRN_HUMAN	Progranulin	GRN
Not defined	sp	P29034	S10A2_HUMAN	Protein S100-A2	S100A2
Not defined	sp	P29083	T2EA_HUMAN	General transcription factor IIE subunit 1	GTFE1
Not defined	sp	P29084	T2EB_HUMAN	Transcription initiation factor IIE subunit beta	GTFE2
Not defined	sp	P29144	TPP2_HUMAN	Tripeptidyl-peptidase 2	TPP2
Not defined	sp	P29279	CCN2_HUMAN	CCN family member 2	CCN2
Not defined	sp	P29320	EPHA3_HUMAN	Ephrin type-A receptor 3	EPHA3
Not defined	sp	P29322	EPHA8_HUMAN	Ephrin type-A receptor 8	EPHA8
Not defined	sp	P29323	EPHB2_HUMAN	Ephrin type-B receptor 2	EPHB2
Not defined	sp	P29353	SHC1_HUMAN	SHC-transforming protein 1	SHC1
Not defined	sp	P29372	3MG_HUMAN	DNA-3-methyladenine glycosylase	MPG
Not defined	sp	P29373	RABP2_HUMAN	Cellular retinoic acid-binding protein 2	CRABP2
Not defined	sp	P29466	CASP1_HUMAN	Caspase-1	CASP1
Not defined	sp	P29508	SPB3_HUMAN	Serpin B3	SERPINB3
Not defined	sp	P29536	LMOD1_HUMAN	Leiomodin-1	LMOD1
Not defined	sp	P29558	RBMS1_HUMAN	RNA-binding motif, single-stranded-interacting protein 1	RBMS1
Not defined	sp	P29590	PML_HUMAN	Protein PML	PML
Not defined	sp	P29762	RABP1_HUMAN	Cellular retinoic acid-binding protein 1	CRABP1
Not defined	sp	P29803	ODPAT_HUMAN	Pyruvate dehydrogenase E1 component subunit alpha, testis-specific form, mitochondrial	PDHA2
Not defined	sp	P30038	AL4A1_HUMAN	Delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial	ALDH4A1
Not defined	sp	P30047	GFRP_HUMAN	GTP cyclohydrolase 1 feedback regulatory protein	GCHFR
Not defined	sp	P30153	2AAA_HUMAN	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	PPP2R1A
Not defined	sp	P30154	2AAB_HUMAN	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform	PPP2R1B
Not defined	sp	P30273	FCERG_HUMAN	High affinity immunoglobulin epsilon receptor subunit gamma	FCER1G
Not defined	sp	P30307	MPIP3_HUMAN	M-phase inducer phosphatase 3	CDC25C
Not defined	sp	P30408	T4S1_HUMAN	Transmembrane 4 L6 family member 1	TM4SF1
Not defined	sp	P30511	HLA-F_HUMAN	HLA class I histocompatibility antigen, alpha chain F	HLA-F
Not defined	sp	P30519	HMOX2_HUMAN	Heme oxygenase 2	HMOX2
Not defined	sp	P30520	PURA2_HUMAN	Adenylosuccinate synthetase isozyme 2	ADSS2
Not defined	sp	P30566	PUR8_HUMAN	Adenylosuccinate lyase	ADSL
Not defined	sp	P30622	CLIP1_HUMAN	CAP-Gly domain-containing linker protein 1	CLIP1
Not defined	sp	P30679	GNAI5_HUMAN	Guanine nucleotide-binding protein subunit alpha-15	GNAI5
Not defined	sp	P30711	GSTT1_HUMAN	Glutathione S-transferase theta-1	GSTT1
Not defined	sp	P30838	AL3A1_HUMAN	Aldehyde dehydrogenase, dimeric NADP-preferring	ALDH3A1
Not defined	sp	P31146	COR1A_HUMAN	Coronin-1A	CORO1A
Not defined	sp	P31152	MK04_HUMAN	Mitogen-activated protein kinase 4	MAPK4
Not defined	sp	P31276	HXC13_HUMAN	Homeobox protein Hox-C13	HOXC13
Not defined	sp	P31321	KAP1_HUMAN	cAMP-dependent protein kinase type I-beta regulatory subunit	PRKAR1B
Not defined	sp	P31350	RIR2_HUMAN	Ribonucleoside-diphosphate reductase subunit M2	RRM2
Not defined	sp	P31431	SDC4_HUMAN	Syndecan-4	SDC4
Not defined	sp	P31629	ZEP2_HUMAN	Transcription factor HIVEP2	HIVEP2
Not defined	sp	P31751	AKT2_HUMAN	RAC-beta serine/threonine-protein kinase	AKT2
Not defined	sp	P32004	L1CAM_HUMAN	Neural cell adhesion molecule L1	L1CAM
Not defined	sp	P32019	INP5B_HUMAN	Type II inositol 1,4,5-trisphosphate 5-phosphatase	INP5B
Not defined	sp	P32121	ARRB2_HUMAN	Beta-arrestin-2	ARRB2
Not defined	sp	P32249	GP183_HUMAN	G-protein coupled receptor 183	GPR183
Not defined	sp	P32321	DCTD_HUMAN	Deoxycytidylate deaminase	DCTD
Not defined	sp	P32322	P5CR1_HUMAN	Pyroline-5-carboxylate reductase 1, mitochondrial	PYCR1
Not defined	sp	P32780	TF2H1_HUMAN	General transcription factor IIF subunit 1	GTFE2H1
Not defined	sp	P32929	CGL_HUMAN	Cystathionine gamma-lyase	CTH
Not defined	sp	P32969	RL9_HUMAN	60S ribosomal protein L9	RPL9P8
Not defined	sp	P32970	CD70_HUMAN	CD70 antigen	CD70
Not defined	sp	P33151	CADH5_HUMAN	Cadherin-5	CDH5
Not defined	sp	P33176	KINH_HUMAN	Kinesin-1 heavy chain	KIF5B
Not defined	sp	P33552	CKS2_HUMAN	Cyclin-dependent kinases regulatory subunit 2	CKS2
Not defined	sp	P33908	MA1A1_HUMAN	Mannosyl-oligosaccharide 1,2-alpha-mannosidase IA	MAN1A1
Not defined	sp	P33991	MCM4_HUMAN	DNA replication licensing factor MCM4	MCM4
Not defined	sp	P33992	MCM5_HUMAN	DNA replication licensing factor MCM5	MCM5
Not defined	sp	P33993	MCM7_HUMAN	DNA replication licensing factor MCM7	MCM7
Not defined	sp	P34059	GALNS_HUMAN	N-acetylgalactosamine-6-sulfatase	GALNS
Not defined	sp	P34896	GLYC_HUMAN	Serine hydroxymethyltransferase, cytosolic	SHMT1
Not defined	sp	P34903	GBRA3_HUMAN	Gamma-aminobutyric acid receptor subunit alpha-3	GABRA3
Not defined	sp	P34913	HYES_HUMAN	Bifunctional epoxide hydrolase 2	EPHX2
Not defined	sp	P34949	MPI_HUMAN	Mannose-6-phosphate isomerase	MPI
Not defined	sp	P35052	GPC1_HUMAN	Glypican-1	GPC1
Not defined	sp	P35125	UBP6_HUMAN	Ubiquitin carboxyl-terminal hydrolase 6	USP6
Not defined	sp	P35219	CAH8_HUMAN	Carbonic anhydrase-related protein	CA8
Not defined	sp	P35221	CTNA1_HUMAN	Catenin alpha-1	CTNNA1
Not defined	sp	P35228	NOS2_HUMAN	Nitric oxide synthase, inducible	NOS2
Not defined	sp	P35240	MERL_HUMAN	Merlin	NF2
Not defined	sp	P35249	RFC4_HUMAN	Replication factor C subunit 4	RFC4
Not defined	sp	P35250	RFC2_HUMAN	Replication factor C subunit 2	RFC2

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Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	P35321	SPR1A_HUMAN	Cornifin-A	SPRR1A
Not defined	sp	P35354	PGH2_HUMAN	Prostaglandin G/H synthase 2	PTGS2
Not defined	sp	P35475	IDUA_HUMAN	Alpha-L-iduronidase	IDUA
Not defined	sp	P35520	CBS_HUMAN	Cystathionine beta-synthase	CBS
Not defined	sp	P35556	FBN2_HUMAN	Fibrillin-2	FBN2
Not defined	sp	P35558	PCKGC_HUMAN	Phosphoenolpyruvate carboxykinase, cytosolic [GTP]	PCK1
Not defined	sp	P35573	GDE_HUMAN	Glycogen debranching enzyme	AGL
Not defined	sp	P35580	MYH10_HUMAN	Myosin-10	MYH10
Not defined	sp	P35611	ADDA_HUMAN	Alpha-adducin	ADD1
Not defined	sp	P35638	DDIT3_HUMAN	DNA damage-inducible transcript 3 protein	DDIT3
Not defined	sp	P35680	HNF1B_HUMAN	Hepatocyte nuclear factor 1-beta	HNF1B
Not defined	sp	P35749	MYH11_HUMAN	Myosin-11	MYH11
Not defined	sp	P35754	GLRX1_HUMAN	Glutaredoxin-1	GLRX
Not defined	sp	P35813	PPM1A_HUMAN	Protein phosphatase 1A	PPM1A
Not defined	sp	P35858	ALS_HUMAN	Insulin-like growth factor-binding protein complex acid labile subunit	IGFALS
Not defined	sp	P35916	VGFR3_HUMAN	Vascular endothelial growth factor receptor 3	FLT4
Not defined	sp	P35968	VGFR2_HUMAN	Vascular endothelial growth factor receptor 2	KDR
Not defined	sp	P35998	PRS7_HUMAN	26S proteasome regulatory subunit 7	PSMC2
Not defined	sp	P36268	GGT2_HUMAN	Inactive glutathione hydrolase 2	GGT2
Not defined	sp	P36404	ARL2_HUMAN	ADP-ribosylation factor-like protein 2	ARL2
Not defined	sp	P36406	TRIM23_HUMAN	E3 ubiquitin-protein ligase TRIM23	TRIM23
Not defined	sp	P36507	MP2K2_HUMAN	Dual specificity mitogen-activated protein kinase kinase 2	MAP2K2
Not defined	sp	P36542	ATPG_HUMAN	ATP synthase subunit gamma, mitochondrial	ATPSF1C
Not defined	sp	P36543	VATE1_HUMAN	V-type proton ATPase subunit E1	ATP6V1E1
Not defined	sp	P36551	HEM6_HUMAN	Oxygen-dependent coproporphyrinogen-III oxidase, mitochondrial	CPOX
Not defined	sp	P36575	ARRC_HUMAN	Arrestin-C	ARR3
Not defined	sp	P36639	8ODP_HUMAN	7,8-dihydro-8-oxoguanine triphosphatase	NUDT1
Not defined	sp	P36776	LONM_HUMAN	Lon protease homolog, mitochondrial	LONP1
Not defined	sp	P36871	PGM1_HUMAN	Phosphoglucomutase-1	PGM1
Not defined	sp	P36896	ACV1B_HUMAN	Activin receptor type-1B	ACVR1B
Not defined	sp	P36952	SPB5_HUMAN	Serpin B5	SERPINB5
Not defined	sp	P36954	RPB9_HUMAN	DNA-directed RNA polymerase II subunit RPB9	POLR2I
Not defined	sp	P36959	GMPR1_HUMAN	GMP reductase 1	GMPR
Not defined	sp	P36969	GPX4_HUMAN	Phospholipid hydroperoxide glutathione peroxidase	GPX4
Not defined	sp	P37198	NUP62_HUMAN	Nuclear pore glycoprotein p62	NUP62
Not defined	sp	P37235	HPCL1_HUMAN	Hippocalcin-like protein 1	HPCAL1
Not defined	sp	P37840	SYUA_HUMAN	Alpha-synuclein	SNCA
Not defined	sp	P38567	HYALP_HUMAN	Hyaluronidase PH-20	SPAM1
Not defined	sp	P38571	LICH_HUMAN	Lysosomal acid lipase/cholesteryl ester hydrolase	LIPA
Not defined	sp	P38606	VATA_HUMAN	V-type proton ATPase catalytic subunit A	ATP6V1A
Not defined	sp	P39059	COFA1_HUMAN	Collagen alpha-1(XV) chain	COL15A1
Not defined	sp	P39060	COIA1_HUMAN	Collagen alpha-1(XVIII) chain	COL18A1
Not defined	sp	P39748	FEN1_HUMAN	Flap endonuclease 1	FEN1
Not defined	sp	P39880	CUX1_HUMAN	Homeobox protein cut-like 1	CUX1
Not defined	sp	P39900	MMP12_HUMAN	Macrophage metalloelastase	MMP12
Not defined	sp	P40189	IL6RB_HUMAN	Interleukin-6 receptor subunit beta	IL6ST
Not defined	sp	P40222	TXLNA_HUMAN	Alpha-taxilin	TXLNA
Not defined	sp	P40227	TCPZ_HUMAN	T-complex protein 1 subunit zeta	CCT6A
Not defined	sp	P40259	CD79B_HUMAN	B-cell antigen receptor complex-associated protein beta chain	CD79B
Not defined	sp	P40306	PSB10_HUMAN	Proteasome subunit beta type-10	PSMB10
Not defined	sp	P40337	VHL_HUMAN	von Hippel-Lindau disease tumor suppressor	VHL
Not defined	sp	P40424	PBX1_HUMAN	Pre-B-cell leukemia transcription factor 1	PBX1
Not defined	sp	P40425	PBX2_HUMAN	Pre-B-cell leukemia transcription factor 2	PBX2
Not defined	sp	P40616	ARL1_HUMAN	ADP-ribosylation factor-like protein 1	ARL1
Not defined	sp	P40692	MLH1_HUMAN	DNA mismatch repair protein Mlh1	MLH1
Not defined	sp	P40763	STAT3_HUMAN	Signal transducer and activator of transcription 3	STAT3
Not defined	sp	P41091	IF2G_HUMAN	Eukaryotic translation initiation factor 2 subunit 3	EIF2S3
Not defined	sp	P41180	CASR_HUMAN	Extracellular calcium-sensing receptor	CASR
Not defined	sp	P41208	CETN2_HUMAN	Centrin-2	CETN2
Not defined	sp	P41219	PERI_HUMAN	Peripherin	PRPH
Not defined	sp	P41221	WNT5A_HUMAN	Protein Wnt-5a	WNT5A
Not defined	sp	P41222	PTGDS_HUMAN	Prostaglandin-H2 D-isomerase	PTGDS
Not defined	sp	P41227	NAA10_HUMAN	N-alpha-acetyltransferase 10	NAA10
Not defined	sp	P41229	KDM5C_HUMAN	Lysine-specific demethylase 5C	KDM5C
Not defined	sp	P41252	SYIC_HUMAN	Isoleucine-tRNA ligase, cytoplasmic	IARS1
Not defined	sp	P41279	M3K8_HUMAN	Mitogen-activated protein kinase kinase 8	MAP3K8
Not defined	sp	P41743	KPCI_HUMAN	Protein kinase C iota type	PRKCI
Not defined	sp	P42025	ACTY_HUMAN	Beta-actin	ACTR1B
Not defined	sp	P42224	STAT1_HUMAN	Signal transducer and activator of transcription 1-alpha/beta	STAT1
Not defined	sp	P42263	GRIA3_HUMAN	Glutamate receptor 3	GRIA3
Not defined	sp	P42285	MTREX_HUMAN	Exosome RNA helicase MTR4	MTREX
Not defined	sp	P42330	AK1C3_HUMAN	Aldo-keto reductase family 1 member C3	AKR1C3
Not defined	sp	P42331	RHG25_HUMAN	Rho GTPase-activating protein 25	ARHGAP25
Not defined	sp	P42357	HUTH_HUMAN	Histidine ammonia-lyase	HAL
Not defined	sp	P42574	CASP3_HUMAN	Caspase-3	CASP3
Not defined	sp	P42677	RS27_HUMAN	40S ribosomal protein S27	RPS27
Not defined	sp	P42685	FRK_HUMAN	Tyrosine-protein kinase FRK	FRK
Not defined	sp	P42696	RBM34_HUMAN	RNA-binding protein 34	RBM34
Not defined	sp	P42704	LRPPRC_HUMAN	Leucine-rich PPR motif-containing protein, mitochondrial	LRPPRC
Not defined	sp	P42765	THIM_HUMAN	3-ketoacyl-CoA thiolase, mitochondrial	ACA2
Not defined	sp	P42773	CDKN2C_HUMAN	Cyclin-dependent kinase 4 inhibitor C	CDKN2C
Not defined	sp	P42830	CXCL5_HUMAN	C-X-C motif chemokine 5	CXCL5
Not defined	sp	P42858	HD_HUMAN	Huntingtin	HTT
Not defined	sp	P42898	MTHFR_HUMAN	Methylenetetrahydrofolate reductase	MTHFR
Not defined	sp	P43007	SAT1_HUMAN	Neutral amino acid transporter A	SLC1A4
Not defined	sp	P43121	MUC18_HUMAN	Cell surface glycoprotein MUC18	MCAM
Not defined	sp	P43155	CACP_HUMAN	Carnitine O-acetyltransferase	CRAT
Not defined	sp	P43235	CATK_HUMAN	Cathepsin K	CTSK
Not defined	sp	P43246	MSH2_HUMAN	DNA mismatch repair protein Msh2	MSH2
Not defined	sp	P43251	BTD_HUMAN	Biotinidase	BTD

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Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	P43304	GPDM_HUMAN	Glycerol-3-phosphate dehydrogenase, mitochondrial	GPD2
Not defined	sp	P43308	SSRB_HUMAN	Translocon-associated protein subunit beta	SSR2
Not defined	sp	P43353	AL3B1_HUMAN	Aldehyde dehydrogenase family 3 member B1	ALDH3B1
Not defined	sp	P43355	MAGA1_HUMAN	Melanoma-associated antigen 1	MAGEA1
Not defined	sp	P43358	MAGA4_HUMAN	Melanoma-associated antigen 4	MAGEA4
Not defined	sp	P43361	MAGA8_HUMAN	Melanoma-associated antigen 8	MAGEA8
Not defined	sp	P43362	MAGA9_HUMAN	Melanoma-associated antigen 9	MAGEA9B
Not defined	sp	P43363	MAGAA_HUMAN	Melanoma-associated antigen 10	MAGEA10
Not defined	sp	P43366	MAGB1_HUMAN	Melanoma-associated antigen B1	MAGEB1
Not defined	sp	P43490	NAMPT_HUMAN	Nicotinamide phosphoribosyltransferase	NAMPT
Not defined	sp	P43629	K13L1_HUMAN	Killer cell immunoglobulin-like receptor 3DL1	KIR3DL1
Not defined	sp	P43652	AFAM_HUMAN	Afamin	AFM
Not defined	sp	P43897	EFTS_HUMAN	Elongation factor Ts, mitochondrial	TSFM
Not defined	sp	P45877	PPIC_HUMAN	Peptidyl-prolyl cis-trans isomerase C	PPIC
Not defined	sp	P45880	VDAC2_HUMAN	Voltage-dependent anion-selective channel protein 2	VDAC2
Not defined	sp	P45954	ACDSB_HUMAN	Short/branched chain specific acyl-CoA dehydrogenase, mitochondrial	ACADS8
Not defined	sp	P45983	MK08_HUMAN	Mitogen-activated protein kinase 8	MAPK8
Not defined	sp	P45984	MK09_HUMAN	Mitogen-activated protein kinase 9	MAPK9
Not defined	sp	P46013	KI67_HUMAN	Proliferation marker protein Ki-67	MKI67
Not defined	sp	P46060	RAGP1_HUMAN	Ran GTPase-activating protein 1	RANGAP1
Not defined	sp	P46199	IF2M_HUMAN	Translation initiation factor IF-2, mitochondrial	MTIF2
Not defined	sp	P46439	GSTM5_HUMAN	Glutathione S-transferase Mu 5	GSTM5
Not defined	sp	P46459	NSF_HUMAN	Vesicle-fusing ATPase	NSF
Not defined	sp	P46597	ASMT_HUMAN	Acetylserotonin O-methyltransferase	ASMT
Not defined	sp	P46736	BRCC3_HUMAN	Lys-63-specific deubiquitinase BRCC36	BRCC3
Not defined	sp	P46776	RL27A_HUMAN	60S ribosomal protein L27a	RPL27A
Not defined	sp	P46779	RL28_HUMAN	60S ribosomal protein L28	RPL28
Not defined	sp	P46821	MAP1B_HUMAN	Microtubule-associated protein 1B	MAP1B
Not defined	sp	P46934	NEDD4_HUMAN	E3 ubiquitin-protein ligase NEDD4	NEDD4
Not defined	sp	P46939	UTRO_HUMAN	Utrophin	UTRN
Not defined	sp	P46940	IQGA1_HUMAN	Ras GTPase-activating-like protein IQGAP1	IQGAP1
Not defined	sp	P46977	STT3A_HUMAN	Dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit STT3A	STT3A
Not defined	sp	P47224	MSS4_HUMAN	Guanine nucleotide exchange factor MSS4	RABIF
Not defined	sp	P47775	GPR12_HUMAN	G-protein coupled receptor 12	GPR12
Not defined	sp	P47897	SYQ_HUMAN	Glutamine-tRNA ligase	QARS1
Not defined	sp	P48050	KCNJ4_HUMAN	Inward rectifier potassium channel 4	KCNJ4
Not defined	sp	P48059	LIMS1_HUMAN	LIM and senescent cell antigen-like-containing domain protein 1	LIMS1
Not defined	sp	P48163	MAOX_HUMAN	NADP-dependent malic enzyme	ME1
Not defined	sp	P48380	RFX3_HUMAN	Transcription factor RFX3	RFX3
Not defined	sp	P48426	PI42A_HUMAN	Phosphatidylinositol 5-phosphate 4-kinase type-2 alpha	PIP4K2A
Not defined	sp	P48431	SOX2_HUMAN	Transcription factor SOX-2	SOX2
Not defined	sp	P48436	SOX9_HUMAN	Transcription factor SOX-9	SOX9
Not defined	sp	P48443	RXRG_HUMAN	Retinoic acid receptor RXR-gamma	RXRG
Not defined	sp	P48448	AL3B2_HUMAN	Aldehyde dehydrogenase family 3 member B2	ALDH3B2
Not defined	sp	P48449	ERG7_HUMAN	Lanosterol synthase	LSS
Not defined	sp	P48454	PP2B3_HUMAN	Serine/threonine-protein phosphatase 2B catalytic subunit gamma isoform	PPP3CC
Not defined	sp	P48506	GSH1_HUMAN	Glutamate-cysteine ligase catalytic subunit	GCLC
Not defined	sp	P48507	GSH0_HUMAN	Glutamate-cysteine ligase regulatory subunit	GCLM
Not defined	sp	P48509	CD151_HUMAN	CD151 antigen	CD151
Not defined	sp	P48547	KCNC1_HUMAN	Potassium voltage-gated channel subfamily C member 1	KCNC1
Not defined	sp	P48549	KCNJ3_HUMAN	G protein-activated inward rectifier potassium channel 1	KCNJ3
Not defined	sp	P48552	NRIP1_HUMAN	Nuclear receptor-interacting protein 1	NRIP1
Not defined	sp	P48594	SPB4_HUMAN	Serpin B4	SERPINB4
Not defined	sp	P48634	PRC2A_HUMAN	Protein PRRC2A	PRRC2A
Not defined	sp	P48723	HSP13_HUMAN	Heat shock 70 kDa protein 13	HSPA13
Not defined	sp	P48729	KC1A_HUMAN	Casein kinase I isoform alpha	CSNK1A1
Not defined	sp	P48730	KC1D_HUMAN	Casein kinase I isoform delta	CSNK1D
Not defined	sp	P48740	MASP1_HUMAN	Mannan-binding lectin serine protease 1	MASP1
Not defined	sp	P48960	AGRE5_HUMAN	Adhesion G protein-coupled receptor E5	ADGRE5
Not defined	sp	P49005	DPOD2_HUMAN	DNA polymerase delta subunit 2	POLD2
Not defined	sp	P49019	HCAR3_HUMAN	Hydroxycarboxylic acid receptor 3	HCAR3
Not defined	sp	P49184	DNSL1_HUMAN	Deoxyribonuclease-1-like 1	DNASE1L1
Not defined	sp	P49207	RL34_HUMAN	60S ribosomal protein L34	RPL34
Not defined	sp	P49221	TGM4_HUMAN	Protein-glutamine gamma-glutamyltransferase 4	TGM4
Not defined	sp	P49247	RPIA_HUMAN	Ribose-5-phosphate isomerase	RPIA
Not defined	sp	P49257	LMAN1_HUMAN	Protein ERGIC-53	LMAN1
Not defined	sp	P49354	FNTA_HUMAN	Protein farnesyltransferase/geranylgeranyltransferase type-1 subunit alpha	FNTA
Not defined	sp	P49356	FNTB_HUMAN	Protein farnesyltransferase subunit beta	FNTB
Not defined	sp	P49368	TCPG_HUMAN	T-complex protein 1 subunit gamma	CCT3
Not defined	sp	P49407	ARRB1_HUMAN	Beta-arrestin-1	ARRB1
Not defined	sp	P49459	UBE2A_HUMAN	Ubiquitin-conjugating enzyme E2 A	UBE2A
Not defined	sp	P49585	PCYT1A_HUMAN	Choline-phosphate cytidylyltransferase A	PCYT1A
Not defined	sp	P49590	SYHM_HUMAN	Histidine-tRNA ligase, mitochondrial	HARS2
Not defined	sp	P49593	PPM1F_HUMAN	Protein phosphatase 1F	PPM1F
Not defined	sp	P49641	MA2A2_HUMAN	Alpha-mannosidase 2x	MAN2A2
Not defined	sp	P49662	CASP4_HUMAN	Caspase-4	CASP4
Not defined	sp	P49703	ARL4D_HUMAN	ADP-ribosylation factor-like protein 4D	ARL4D
Not defined	sp	P49711	CTCF_HUMAN	Transcriptional repressor CTCF	CTCF
Not defined	sp	P49736	MCM2_HUMAN	DNA replication licensing factor MCM2	MCM2
Not defined	sp	P49748	ACADV_HUMAN	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	ACADVL
Not defined	sp	P49750	YLPM1_HUMAN	YLP motif-containing protein 1	YLPM1
Not defined	sp	P49753	ACOT2_HUMAN	Acyl-coenzyme A thioesterase 2, mitochondrial	ACOT2
Not defined	sp	P49754	VPS41_HUMAN	Vacuolar protein sorting-associated protein 41 homolog	VPS41
Not defined	sp	P49756	RBM25_HUMAN	RNA-binding protein 25	RBM25
Not defined	sp	P49760	CLK2_HUMAN	Dual specificity protein kinase CLK2	CLK2
Not defined	sp	P49768	PSN1_HUMAN	Presenilin-1	PSEN1
Not defined	sp	P49792	RBP2_HUMAN	E3 SUMO-protein ligase RanBP2	RANBP2
Not defined	sp	P49840	GSK3A_HUMAN	Glycogen synthase kinase-3 alpha	GSK3A
Not defined	sp	P49902	NT5C2_HUMAN	Cytosolic purine 5'-nucleotidase	NT5C2
Not defined	sp	P49915	GUAA_HUMAN	GMP synthase [glutamine-hydrolyzing]	GMP5

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	P49917	DNLI4_HUMAN	DNA ligase 4	LIG4
Not defined	sp	P50053	KHK_HUMAN	Ketohexokinase	KHK
Not defined	sp	P50148	GNAQ_HUMAN	Guanine nucleotide-binding protein G(q) subunit alpha	GNAQ
Not defined	sp	P50151	GBG10_HUMAN	Guanine nucleotide-binding protein G(l)/G(s)/G(o) subunit gamma-10	GNG10
Not defined	sp	P50238	CRIP1_HUMAN	Cysteine-rich protein 1	CRIP1
Not defined	sp	P50281	MMP14_HUMAN	Matrix metalloproteinase-14	MMP14
Not defined	sp	P50416	CPT1A_HUMAN	Carnitine O-palmitoyltransferase 1, liver isoform	CPT1A
Not defined	sp	P50453	SPB9_HUMAN	Serpin B9	SERPINB9
Not defined	sp	P50479	PDLI4_HUMAN	PDZ and LIM domain protein 4	PDLIM4
Not defined	sp	P50542	PEX5_HUMAN	Peroxisomal targeting signal 1 receptor	PEX5
Not defined	sp	P50570	DYN2_HUMAN	Dynamin-2	DNM2
Not defined	sp	P50579	MAP2_HUMAN	Methionine aminopeptidase 2	METAP2
Not defined	sp	P50607	TUB_HUMAN	Tubby protein homolog	TUB
Not defined	sp	P50613	CDK7_HUMAN	Cyclin-dependent kinase 7	CDK7
Not defined	sp	P50748	KNTC1_HUMAN	Kinetochore-associated protein 1	KNTC1
Not defined	sp	P50750	CDK9_HUMAN	Cyclin-dependent kinase 9	CDK9
Not defined	sp	P50991	TCPD_HUMAN	T-complex protein 1 subunit delta	CCT4
Not defined	sp	P51003	PAP0A_HUMAN	Poly(A) polymerase alpha	PAPOLA
Not defined	sp	P51114	FXR1_HUMAN	Fragile X mental retardation syndrome-related protein 1	FXR1
Not defined	sp	P51116	FXR2_HUMAN	Fragile X mental retardation syndrome-related protein 2	FXR2
Not defined	sp	P51151	RAB9A_HUMAN	Ras-related protein Rab-9A	RAB9A
Not defined	sp	P51159	RB27A_HUMAN	Ras-related protein Rab-27A	RAB27A
Not defined	sp	P51172	SCNND_HUMAN	Amiloride-sensitive sodium channel subunit delta	SCNN1D
Not defined	sp	P51178	PLCD1_HUMAN	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-1	PLCD1
Not defined	sp	P51451	BLK_HUMAN	Tyrosine-protein kinase Blk	BLK
Not defined	sp	P51452	DUS3_HUMAN	Dual specificity protein phosphatase 3	DUSP3
Not defined	sp	P51512	MMP16_HUMAN	Matrix metalloproteinase-16	MMP16
Not defined	sp	P51530	DNA2_HUMAN	DNA replication ATP-dependent helicase/nuclease DNA2	DNA2
Not defined	sp	P51531	SMCA2_HUMAN	Probable global transcription activator SNF2L2	SMARCA2
Not defined	sp	P51532	SMCA4_HUMAN	Transcription activator BRG1	SMARCA4
Not defined	sp	P51553	IDH3G_HUMAN	Isocitrate dehydrogenase [NAD] subunit gamma, mitochondrial	IDH3G
Not defined	sp	P51580	TPMT_HUMAN	Thiopurine S-methyltransferase	TPMT
Not defined	sp	P51587	BRCA2_HUMAN	Breast cancer type 2 susceptibility protein	BRCA2
Not defined	sp	P51608	MECP2_HUMAN	Methyl-CpG-binding protein 2	MECP2
Not defined	sp	P51610	HCFC1_HUMAN	Host cell factor 1	HCFC1
Not defined	sp	P51617	IRAK1_HUMAN	Interleukin-1 receptor-associated kinase 1	IRAK1
Not defined	sp	P51649	SSDH_HUMAN	Succinate-semialdehyde dehydrogenase, mitochondrial	ALDH5A1
Not defined	sp	P51687	SUOX_HUMAN	Sulfite oxidase, mitochondrial	SUOX
Not defined	sp	P51688	SPHM_HUMAN	N-sulphoglucosamine sulphohydrolase	SGSH
Not defined	sp	P51689	ARSD_HUMAN	Arylsulfatase D	ARSD
Not defined	sp	P51784	UBP11_HUMAN	Ubiquitin carboxyl-terminal hydrolase 11	USP11
Not defined	sp	P51814	ZNF41_HUMAN	Zinc finger protein 41	ZNF41
Not defined	sp	P51843	NROB1_HUMAN	Nuclear receptor subfamily 0 group B member 1	NROB1
Not defined	sp	P51854	TKTL1_HUMAN	Transketolase-like protein 1	TKTL1
Not defined	sp	P51857	AKR1D1_HUMAN	Aldo-keto reductase family 1 member D1	AKR1D1
Not defined	sp	P51948	MAT1_HUMAN	CDK-activating kinase assembly factor MAT1	MNAT1
Not defined	sp	P51965	UBE2E1_HUMAN	Ubiquitin-conjugating enzyme E2 E1	UBE2E1
Not defined	sp	P51993	FUT6_HUMAN	Alpha-(1,3)-fucosyltransferase 6	FUT6
Not defined	sp	P52209	6PGD_HUMAN	6-phosphogluconate dehydrogenase, decarboxylating	PGD
Not defined	sp	P52292	IMA1_HUMAN	Importin subunit alpha-1	KPNA2
Not defined	sp	P52294	IMA5_HUMAN	Importin subunit alpha-5	KPNA1
Not defined	sp	P52298	NCBP2_HUMAN	Nuclear cap-binding protein subunit 2	NCBP2
Not defined	sp	P52429	DGKE_HUMAN	Diacylglycerol kinase epsilon	DGKE
Not defined	sp	P52566	GDIR2_HUMAN	Rho GDP-dissociation inhibitor 2	ARHGDI2
Not defined	sp	P52569	CTR2_HUMAN	Cationic amino acid transporter 2	SLC7A2
Not defined	sp	P52594	AGFG1_HUMAN	Arf-GAP domain and FG repeat-containing protein 1	AGFG1
Not defined	sp	P52655	TF2AA_HUMAN	Transcription initiation factor IIA subunit 1	TF2A1
Not defined	sp	P52657	TF2AG_HUMAN	Transcription initiation factor IIA subunit 2	TF2A2
Not defined	sp	P52732	KIF11_HUMAN	Kinesin-like protein KIF11	KIF11
Not defined	sp	P52747	ZNF143_HUMAN	Zinc finger protein 143	ZNF143
Not defined	sp	P52823	STC1_HUMAN	Stanniocalcin-1	STC1
Not defined	sp	P52888	THOP1_HUMAN	Thimet oligopeptidase	THOP1
Not defined	sp	P52895	AK1C2_HUMAN	Aldo-keto reductase family 1 member C2	AKR1C2
Not defined	sp	P52943	CRIP2_HUMAN	Cysteine-rich protein 2	CRIP2
Not defined	sp	P52948	NUP98_HUMAN	Nuclear pore complex protein Nup98-Nup96	NUP98
Not defined	sp	P53004	BIEA_HUMAN	Biliverdin reductase A	BLVRA
Not defined	sp	P53007	TXTP_HUMAN	Tricarboxylate transport protein, mitochondrial	SLC25A1
Not defined	sp	P53041	PPP5_HUMAN	Serine/threonine-protein phosphatase 5	PPP5C
Not defined	sp	P53365	ARFP2_HUMAN	Arfaptin-2	ARFP2
Not defined	sp	P53396	ACLY_HUMAN	ATP-citrate synthase	ACLY
Not defined	sp	P53597	SUCA_HUMAN	Succinate-CoA ligase [ADP/GDP-forming] subunit alpha, mitochondrial	SUCLG1
Not defined	sp	P53602	MVD1_HUMAN	Diphosphomevalonate decarboxylase	MVD
Not defined	sp	P53611	PGTB2_HUMAN	Geranylgeranyl transferase type-2 subunit beta	RABGGTB
Not defined	sp	P53618	COPB_HUMAN	Coatamer subunit beta	COPB1
Not defined	sp	P53621	COPA_HUMAN	Coatamer subunit alpha	COPA
Not defined	sp	P53667	LIMK1_HUMAN	LIM domain kinase 1	LIMK1
Not defined	sp	P53675	CLH2_HUMAN	Clathrin heavy chain 2	CLTCL1
Not defined	sp	P53701	CCHL_HUMAN	Cytochrome c-type heme lyase	HCCS
Not defined	sp	P53778	MK12_HUMAN	Mitogen-activated protein kinase 12	MAPK12
Not defined	sp	P53779	MK10_HUMAN	Mitogen-activated protein kinase 10	MAPK10
Not defined	sp	P53801	PTTG_HUMAN	Pituitary tumor-transforming gene 1 protein-interacting protein	PTTG1P
Not defined	sp	P53803	RPAB4_HUMAN	DNA-directed RNA polymerases I, II, and III subunit RPABC4	POLR2K
Not defined	sp	P53985	MOT1_HUMAN	Monocarboxylate transporter 1	SLC16A1
Not defined	sp	P53990	IST1_HUMAN	IST1 homolog	IST1
Not defined	sp	P53992	SC24C_HUMAN	Protein transport protein Sec24C	SEC24C
Not defined	sp	P54132	BLM_HUMAN	Bloom syndrome protein	BLM
Not defined	sp	P54136	SYRC_HUMAN	Arginine-tRNA ligase, cytoplasmic	RARS1
Not defined	sp	P54253	ATX1_HUMAN	Ataxin-1	ATXN1
Not defined	sp	P54257	HAP1_HUMAN	Huntingtin-associated protein 1	HAP1
Not defined	sp	P54259	ATN1_HUMAN	Atrophin-1	ATN1

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	P54277	PMS1_HUMAN	PMS1 protein homolog 1	PMS1
Not defined	sp	P54289	CA2D1_HUMAN	Voltage-dependent calcium channel subunit alpha-2/delta-1	CACNA2D1
Not defined	sp	P54687	BCAT1_HUMAN	Branched-chain-amino-acid aminotransferase, cytosolic	BCAT1
Not defined	sp	P54707	AT12A_HUMAN	Potassium-transporting ATPase alpha chain 2	ATP12A
Not defined	sp	P54753	EPHB3_HUMAN	Ephrin type-B receptor 3	EPHB3
Not defined	sp	P54756	EPHA5_HUMAN	Ephrin type-A receptor 5	EPHA5
Not defined	sp	P54760	EPHB4_HUMAN	Ephrin type-B receptor 4	EPHB4
Not defined	sp	P54762	EPHB1_HUMAN	Ephrin type-B receptor 1	EPHB1
Not defined	sp	P54764	EPHA4_HUMAN	Ephrin type-A receptor 4	EPHA4
Not defined	sp	P54802	ANAG_HUMAN	Alpha-N-acetylglucosaminidase	NAGLU
Not defined	sp	P54803	GALC_HUMAN	Galactocerebrosidase	GALC
Not defined	sp	P54840	GYS2_HUMAN	Glycogen [starch] synthase, liver	GYS2
Not defined	sp	P54851	EMP2_HUMAN	Epithelial membrane protein 2	EMP2
Not defined	sp	P54868	HMGCS2_HUMAN	Hydroxymethylglutaryl-CoA synthase, mitochondrial	HMGCS2
Not defined	sp	P54886	P5CS_HUMAN	Delta-1-pyrroline-5-carboxylate synthase	ALDH18A1
Not defined	sp	P54920	SNAA_HUMAN	Alpha-soluble NSF attachment protein	NAPA
Not defined	sp	P55011	S12A2_HUMAN	Solute carrier family 12 member 2	SLC12A2
Not defined	sp	P55039	DRG2_HUMAN	Developmentally-regulated GTP-binding protein 2	DRG2
Not defined	sp	P55060	XPO2_HUMAN	Exportin-2	CSE1L
Not defined	sp	P55061	BI1_HUMAN	Bax inhibitor 1	TMBIM6
Not defined	sp	P55081	MFAP1_HUMAN	Microfibrillar-associated protein 1	MFAP1
Not defined	sp	P55160	NCKPL_HUMAN	Nck-associated protein 1-like	NCKAP1L
Not defined	sp	P55196	AFAD_HUMAN	Afadin	AFDN
Not defined	sp	P55201	BRPF1_HUMAN	Peregrin	BRPF1
Not defined	sp	P55265	DSRAD_HUMAN	Double-stranded RNA-specific adenosine deaminase	ADAR
Not defined	sp	P55268	LAMB2_HUMAN	Laminin subunit beta-2	LAMB2
Not defined	sp	P55283	CADH4_HUMAN	Cadherin-4	CDH4
Not defined	sp	P55285	CADH6_HUMAN	Cadherin-6	CDH6
Not defined	sp	P55287	CAD11_HUMAN	Cadherin-11	CDH11
Not defined	sp	P55289	CAD12_HUMAN	Cadherin-12	CDH12
Not defined	sp	P55318	FOXA3_HUMAN	Hepatocyte nuclear factor 3-gamma	FOXA3
Not defined	sp	P55735	SEC13_HUMAN	Protein SEC13 homolog	SEC13
Not defined	sp	P55786	PSA_HUMAN	Puromycin-sensitive aminopeptidase	NPPEPS
Not defined	sp	P55884	EIF3B_HUMAN	Eukaryotic translation initiation factor 3 subunit B	EIF3B
Not defined	sp	P55899	FCGRN_HUMAN	IgG receptor FcRn large subunit p51	FCGR1
Not defined	sp	P55957	BID_HUMAN	BH3-interacting domain death agonist	BID
Not defined	sp	P56181	NDUV3_HUMAN	NADH dehydrogenase [ubiquinone] flavoprotein 3, mitochondrial	NDUVF3
Not defined	sp	P56182	RRP1_HUMAN	Ribosomal RNA processing protein 1 homolog A	RRP1
Not defined	sp	P56192	SYMC_HUMAN	Methionine-tRNA ligase, cytoplasmic	MARS1
Not defined	sp	P56199	ITGA1_HUMAN	Integrin alpha-1	ITGA1
Not defined	sp	P56378	ATP6B_HUMAN	ATP synthase subunit ATP5MPL, mitochondrial	ATP5MPL
Not defined	sp	P56539	CAV3_HUMAN	Caveolin-3	CAV3
Not defined	sp	P56556	NDUA6_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 6	NDUFA6
Not defined	sp	P56557	TM50B_HUMAN	Transmembrane protein 50B	TMEM50B
Not defined	sp	P56693	SOX10_HUMAN	Transcription factor SOX-10	SOX10
Not defined	sp	P56747	CLDN6_HUMAN	Claudin-6	CLDN6
Not defined	sp	P56749	CLDN12_HUMAN	Claudin-12	CLDN12
Not defined	sp	P56945	BCAR1_HUMAN	Breast cancer anti-estrogen resistance protein 1	BCAR1
Not defined	sp	P56962	STX17_HUMAN	Syntaxin-17	STX17
Not defined	sp	P57073	SOX8_HUMAN	Transcription factor SOX-8	SOX8
Not defined	sp	P57076	CF298_HUMAN	Cilia- and flagella-associated protein 298	CFAP298
Not defined	sp	P57081	WDR4_HUMAN	tRNA (guanine-N(7))-methyltransferase non-catalytic subunit WDR4	WDR4
Not defined	sp	P57088	TMM33_HUMAN	Transmembrane protein 33	TMEM33
Not defined	sp	P57105	SYJ2B_HUMAN	Synaptotagmin-2-binding protein	SYNJ2BP
Not defined	sp	P57723	PCBP4_HUMAN	Poly(rC)-binding protein 4	PCBP4
Not defined	sp	P57735	RAB25_HUMAN	Ras-related protein Rab-25	RAB25
Not defined	sp	P57737	CORO7_HUMAN	Coronin-7	CORO7
Not defined	sp	P57740	NU107_HUMAN	Nuclear pore complex protein Nup107	NUP107
Not defined	sp	P58004	SESN2_HUMAN	Sestrin-2	SESN2
Not defined	sp	P58005	SESN3_HUMAN	Sestrin-3	SESN3
Not defined	sp	P58107	EPIPL_HUMAN	Epiplakin	EPPK1
Not defined	sp	P58335	ANTR2_HUMAN	Anthrax toxin receptor 2	ANTR2
Not defined	sp	P58397	ATS12_HUMAN	A disintegrin and metalloproteinase with thrombospondin motifs 12	ADAMTS12
Not defined	sp	P59047	NALP5_HUMAN	NACHT, LRR and PYD domains-containing protein 5	NLRP5
Not defined	sp	P59074	CHMP4P_HUMAN	Putative charged multivesicular body protein 4B-like protein CHMP4BP1	CHMP4BP1
Not defined	sp	P59510	ATS20_HUMAN	A disintegrin and metalloproteinase with thrombospondin motifs 20	ADAMTS20
Not defined	sp	P59826	BPIB3_HUMAN	BPI fold-containing family B member 3	BPIFB3
Not defined	sp	P60033	CD81_HUMAN	CD81 antigen	CD81
Not defined	sp	P60153	RNAS9_HUMAN	Inactive ribonuclease-like protein 9	RNASE9
Not defined	sp	P60228	EIF3E_HUMAN	Eukaryotic translation initiation factor 3 subunit E	EIF3E
Not defined	sp	P60468	SC61B_HUMAN	Protein transport protein Sec61 subunit beta	SEC61B
Not defined	sp	P60508	SYCY2_HUMAN	Synctin-2	ERVFRD-1
Not defined	sp	P60510	PP4C_HUMAN	Serine/threonine-protein phosphatase 4 catalytic subunit	PPP4C
Not defined	sp	P60520	GBRL2_HUMAN	Gamma-aminobutyric acid receptor-associated protein-like 2	GABARAPL2
Not defined	sp	P60602	ROMO1_HUMAN	Reactive oxygen species modulator 1	ROMO1
Not defined	sp	P60604	UB2G2_HUMAN	Ubiquitin-conjugating enzyme E2 G2	UBE2G2
Not defined	sp	P60880	SNP25_HUMAN	Synaptosomal-associated protein 25	SNAP25
Not defined	sp	P60981	DEST_HUMAN	Destrin	DSTN
Not defined	sp	P60983	GMFB_HUMAN	Glia maturation factor beta	GMFB
Not defined	sp	P61009	SPCS3_HUMAN	Signal peptidase complex subunit 3	SPCS3
Not defined	sp	P61024	CKS1_HUMAN	Cyclin-dependent kinases regulatory subunit 1	CKS1B
Not defined	sp	P61077	UB2D3_HUMAN	Ubiquitin-conjugating enzyme E2 D3	UBE2D3
Not defined	sp	P61081	UBC12_HUMAN	NEDD8-conjugating enzyme Ubc12	UBE2M
Not defined	sp	P61129	ZC3H6_HUMAN	Zinc finger CCH domain-containing protein 6	ZC3H6
Not defined	sp	P61201	CSN2_HUMAN	COP9 signalosome complex subunit 2	COPS2
Not defined	sp	P61218	RPAB2_HUMAN	DNA-directed RNA polymerases I, II, and III subunit RPABC2	POLR2F
Not defined	sp	P61221	ABCE1_HUMAN	ATP-binding cassette sub-family E member 1	ABCE1
Not defined	sp	P61244	MAX_HUMAN	Protein max	MAX
Not defined	sp	P61457	PHS_HUMAN	Pterin-4-alpha-carbinolamine dehydratase	PCBD1
Not defined	sp	P61513	RL37A_HUMAN	60S ribosomal protein L37a	RPL37A

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	P61599	NAA20_HUMAN	N-alpha-acetyltransferase 20	NAA20
Not defined	sp	P61601	NCALD_HUMAN	Neurocalcin-delta	NCALD
Not defined	sp	P61769	B2MG_HUMAN	Beta-2-microglobulin	B2M
Not defined	sp	P61916	NPC2_HUMAN	NPC intracellular cholesterol transporter 2	NPC2
Not defined	sp	P61962	DCAF7_HUMAN	DDB1- and CUL4-associated factor 7	DCAF7
Not defined	sp	P62070	RRAS2_HUMAN	Ras-related protein R-Ras2	RRAS2
Not defined	sp	P62072	TIM10_HUMAN	Mitochondrial import inner membrane translocase subunit Tim10	TIMM10
Not defined	sp	P62195	PR58_HUMAN	26S proteasome regulatory subunit 8	PSMC5
Not defined	sp	P62241	RS8_HUMAN	40S ribosomal protein S8	RPS8
Not defined	sp	P62244	RS15A_HUMAN	40S ribosomal protein S15a	RPS15A
Not defined	sp	P62253	UB2G1_HUMAN	Ubiquitin-conjugating enzyme E2 G1	UBE2G1
Not defined	sp	P62256	UBE2H_HUMAN	Ubiquitin-conjugating enzyme E2 H	UBE2H
Not defined	sp	P62266	RS23_HUMAN	40S ribosomal protein S23	RPS23
Not defined	sp	P62280	RS11_HUMAN	40S ribosomal protein S11	RPS11
Not defined	sp	P62330	ARF6_HUMAN	ADP-ribosylation factor 6	ARF6
Not defined	sp	P62333	PRS10_HUMAN	26S proteasome regulatory subunit 10B	PSMC6
Not defined	sp	P62341	SELT_HUMAN	Thioredoxin reductase-like selenoprotein T	SELENOT
Not defined	sp	P62495	ERF1_HUMAN	Eukaryotic peptide chain release factor subunit 1	ETF1
Not defined	sp	P62701	RS4X_HUMAN	40S ribosomal protein S4, X isoform	RPS4X
Not defined	sp	P62745	RHOB_HUMAN	Rho-related GTP-binding protein RhoB	RHOB
Not defined	sp	P62753	RS6_HUMAN	40S ribosomal protein S6	RPS6
Not defined	sp	P62837	UB2D2_HUMAN	Ubiquitin-conjugating enzyme E2 D2	UBE2D2
Not defined	sp	P62854	RS26_HUMAN	40S ribosomal protein S26	RPS26
Not defined	sp	P62877	RBX1_HUMAN	E3 ubiquitin-protein ligase RBX1	RBX1
Not defined	sp	P62891	RL39_HUMAN	60S ribosomal protein L39	RPL39
Not defined	sp	P62899	RL31_HUMAN	60S ribosomal protein L31	RPL31
Not defined	sp	P63010	AP2B1_HUMAN	AP-2 complex subunit beta	AP2B1
Not defined	sp	P63098	CANB1_HUMAN	Calcineurin subunit B type 1	PPP3R1
Not defined	sp	P63146	UBE2B_HUMAN	Ubiquitin-conjugating enzyme E2 B	UBE2B
Not defined	sp	P63151	2ABA_HUMAN	Serine/threonine-protein phosphatase 2A55 kDa regulatory subunit B alpha isoform	PPP2R2A
Not defined	sp	P63167	DYL1_HUMAN	Dynein light chain 1, cytoplasmic	DYNLL1
Not defined	sp	P63218	GBG5_HUMAN	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-5	GNG5
Not defined	sp	P63252	KCNJ2_HUMAN	Inward rectifier potassium channel 2	KCNJ2
Not defined	sp	P63272	SPT4H_HUMAN	Transcription elongation factor SPT4	SUPT4H1
Not defined	sp	P63313	TYB10_HUMAN	Thymosin beta-10	TMSB10
Not defined	sp	P67812	SC11A_HUMAN	Signal peptidase complex catalytic subunit SEC11A	SEC11A
Not defined	sp	P68106	FKBP1B_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP1B	FKBP1B
Not defined	sp	P78310	CXAR_HUMAN	Coxsackievirus and adenovirus receptor	CXADR
Not defined	sp	P78329	CP4F2_HUMAN	Cytochrome P450 4F2	CYP4F2
Not defined	sp	P78344	IF4G2_HUMAN	Eukaryotic translation initiation factor 4 gamma 2	EIF4G2
Not defined	sp	P78346	RPP30_HUMAN	Ribonuclease P protein subunit p30	RPP30
Not defined	sp	P78347	GTF2I_HUMAN	General transcription factor II-I	GTF2I
Not defined	sp	P78352	DLG4_HUMAN	Disks large homolog 4	DLG4
Not defined	sp	P78357	CNTP1_HUMAN	Contactin-associated protein 1	CNTNAP1
Not defined	sp	P78362	SRPK2_HUMAN	SRSF protein kinase 2	SRPK2
Not defined	sp	P78368	KC1G2_HUMAN	Casein kinase I isoform gamma-2	CSNK1G2
Not defined	sp	P78369	CLD10_HUMAN	Claudin-10	CLDN10
Not defined	sp	P78504	JAG1_HUMAN	Protein jagged-1	JAG1
Not defined	sp	P78509	RELN_HUMAN	Reelin	RELN
Not defined	sp	P78524	DEN2B_HUMAN	DENN domain-containing protein 2B	DENND2B
Not defined	sp	P78527	PRKDC_HUMAN	DNA-dependent protein kinase catalytic subunit	PRKDC
Not defined	sp	P78536	ADA17_HUMAN	Disintegrin and metalloproteinase domain-containing protein 17	ADAM17
Not defined	sp	P78537	BL1S1_HUMAN	Biogenesis of lysosome-related organelles complex 1 subunit 1	BLOC1S1
Not defined	sp	P78540	ARGI2_HUMAN	Arginase-2, mitochondrial	ARG2
Not defined	sp	P78552	IL13R1_HUMAN	Interleukin-13 receptor subunit alpha-1	IL13RA1
Not defined	sp	P79522	PRR3_HUMAN	Proline-rich protein 3	PRR3
Not defined	sp	P80162	CXCL6_HUMAN	C-X-C motif chemokine 6	CXCL6
Not defined	sp	P80188	NGAL_HUMAN	Neutrophil gelatinase-associated lipocalin	LCN2
Not defined	sp	P80217	IN35_HUMAN	Interferon-induced 35 kDa protein	IFI35
Not defined	sp	P80404	GABT_HUMAN	4-aminobutyrate aminotransferase, mitochondrial	ABAT
Not defined	sp	P81605	DCD_HUMAN	Dermcidin	DCD
Not defined	sp	P82663	RT25_HUMAN	28S ribosomal protein S25, mitochondrial	MRPS25
Not defined	sp	P82664	RT10_HUMAN	28S ribosomal protein S10, mitochondrial	MRPS10
Not defined	sp	P82673	RT35_HUMAN	28S ribosomal protein S35, mitochondrial	MRPS35
Not defined	sp	P82912	RT11_HUMAN	28S ribosomal protein S11, mitochondrial	MRPS11
Not defined	sp	P82914	RT15_HUMAN	28S ribosomal protein S15, mitochondrial	MRPS15
Not defined	sp	P82930	RT34_HUMAN	28S ribosomal protein S34, mitochondrial	MRPS34
Not defined	sp	P82932	RT06_HUMAN	28S ribosomal protein S6, mitochondrial	MRPS6
Not defined	sp	P82933	RT09_HUMAN	28S ribosomal protein S9, mitochondrial	MRPS9
Not defined	sp	P82970	HMGNS_HUMAN	High mobility group nucleosome-binding domain-containing protein 5	HMGNS
Not defined	sp	P83110	HTRA3_HUMAN	Serine protease HTRA3	HTRA3
Not defined	sp	P83731	RL24_HUMAN	60S ribosomal protein L24	RPL24
Not defined	sp	P83876	TXN4A_HUMAN	Thioredoxin-like protein 4A	TXNL4A
Not defined	sp	P83881	RL36A_HUMAN	60S ribosomal protein L36a	RPL36A
Not defined	sp	P84074	HPCA_HUMAN	Neuron-specific calcium-binding protein hippocalin	HPCA
Not defined	sp	P84095	RHOG_HUMAN	Rho-related GTP-binding protein RhoG	RHOG
Not defined	sp	P84098	RL19_HUMAN	60S ribosomal protein L19	RPL19
Not defined	sp	P84101	SERF2_HUMAN	Small EDRK-rich factor 2	SERF2
Not defined	sp	P84157	MXRA7_HUMAN	Matrix-remodeling-associated protein 7	MXRA7
Not defined	sp	P85037	FOXK1_HUMAN	Forkhead box protein K1	FOXK1
Not defined	sp	P98066	TSG6_HUMAN	Tumor necrosis factor-inducible gene 6 protein	TNFAIP6
Not defined	sp	P98172	EFNB1_HUMAN	Ephrin-B1	EFNB1
Not defined	sp	P98187	CP4F8_HUMAN	Cytochrome P450 4F8	CYP4F8
Not defined	sp	P98196	ATP11A_HUMAN	Probable phospholipid-transporting ATPase H	ATP11A
Not defined	sp	Q00005	2ABB_HUMAN	Serine/threonine-protein phosphatase 2A55 kDa regulatory subunit B beta isoform	PPP2R2B
Not defined	sp	Q00266	METK1_HUMAN	S-adenosylmethionine synthase isoform type-1	MAT1A
Not defined	sp	Q00325	MPCP_HUMAN	Phosphate carrier protein, mitochondrial	SLC25A3
Not defined	sp	Q00341	VIGLN_HUMAN	Vigilin	HDLBP
Not defined	sp	Q00526	CDK3_HUMAN	Cyclin-dependent kinase 3	CDK3
Not defined	sp	Q00534	CDK6_HUMAN	Cyclin-dependent kinase 6	CDK6

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Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q00535	CDK5_HUMAN	Cyclin-dependent-like kinase 5	CDK5
Not defined	sp	Q00536	CDK16_HUMAN	Cyclin-dependent kinase 16	CDK16
Not defined	sp	Q00537	CDK17_HUMAN	Cyclin-dependent kinase 17	CDK17
Not defined	sp	Q00577	PURA_HUMAN	Transcriptional activator protein Pur-alpha	PURA
Not defined	sp	Q00613	HSF1_HUMAN	Heat shock factor protein 1	HSF1
Not defined	sp	Q00653	NFKB2_HUMAN	Nuclear factor NF-kappa-B p100 subunit	NFKB2
Not defined	sp	Q01415	GALK2_HUMAN	N-acetylgalactosamine kinase	GALK2
Not defined	sp	Q01433	AMPD2_HUMAN	AMP deaminase 2	AMPD2
Not defined	sp	Q01459	DIAC_HUMAN	Di-N-acetylchitobiase	CTBS
Not defined	sp	Q01543	FLI1_HUMAN	Friend leukemia integration 1 transcription factor	FLI1
Not defined	sp	Q01581	HMCS1_HUMAN	Hydroxymethylglutaryl-CoA synthase, cytoplasmic	HMGCS1
Not defined	sp	Q01638	ILRL1_HUMAN	Interleukin-1 receptor-like 1	ILRL1
Not defined	sp	Q01804	OTUD4_HUMAN	OTU domain-containing protein 4	OTUD4
Not defined	sp	Q01814	AT2B2_HUMAN	Plasma membrane calcium-transporting ATPase 2	ATP2B2
Not defined	sp	Q01955	CO4A3_HUMAN	Collagen alpha-3(IV) chain	COL4A3
Not defined	sp	Q01968	OCRL_HUMAN	Inositol polyphosphate 5-phosphatase OCRL	OCRL
Not defined	sp	Q01970	PLCB3_HUMAN	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-3	PLCB3
Not defined	sp	Q01974	ROR2_HUMAN	Tyrosine-protein kinase transmembrane receptor ROR2	ROR2
Not defined	sp	Q01995	TAGL_HUMAN	Transgelin	TAGLN
Not defined	sp	Q02045	MYL5_HUMAN	Myosin light chain 5	MYL5
Not defined	sp	Q02083	NAAA_HUMAN	N-acyl ethanolamine-hydrolyzing acid amidase	NAAA
Not defined	sp	Q02108	GCYA1_HUMAN	Guanylate cyclase soluble subunit alpha-1	GUCY1A1
Not defined	sp	Q02241	KIF23_HUMAN	Kinesin-like protein KIF23	KIF23
Not defined	sp	Q02246	CNTN2_HUMAN	Contactin-2	CNTN2
Not defined	sp	Q02252	MMSA_HUMAN	Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial	ALDH6A1
Not defined	sp	Q02297	NRG1_HUMAN	Pro-neuregulin-1, membrane-bound isoform	NRG1
Not defined	sp	Q02325	PLGB_HUMAN	Plasminogen-like protein B	PLGLB2
Not defined	sp	Q02388	CO7A1_HUMAN	Collagen alpha-1(VII) chain	COL7A1
Not defined	sp	Q02413	DSG1_HUMAN	Desmoglein-1	DSG1
Not defined	sp	Q02543	RL18A_HUMAN	60S ribosomal protein L18a	RPL18A
Not defined	sp	Q02750	MP2K1_HUMAN	Dual specificity mitogen-activated protein kinase kinase 1	MAP2K1
Not defined	sp	Q02809	PLOD1_HUMAN	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 1	PLOD1
Not defined	sp	Q02846	GUC2D_HUMAN	Retinal guanylyl cyclase 1	GUCY2D
Not defined	sp	Q02880	TOP2B_HUMAN	DNA topoisomerase 2-beta	TOP2B
Not defined	sp	Q02930	CREB5_HUMAN	Cyclic AMP-responsive element-binding protein 5	CREB5
Not defined	sp	Q02952	AKA12_HUMAN	A-kinase anchor protein 12	AKAP12
Not defined	sp	Q02978	M2OM_HUMAN	Mitochondrial 2-oxoglutarate/malate carrier protein	SLC25A11
Not defined	sp	Q03001	DYST_HUMAN	Dystonin	DST
Not defined	sp	Q03013	GSTM4_HUMAN	Glutathione S-transferase Mu 4	GSTM4
Not defined	sp	Q03111	ENL_HUMAN	Protein ENL	MLLT1
Not defined	sp	Q03167	TGFR3_HUMAN	Transforming growth factor beta receptor type 3	TGFR3
Not defined	sp	Q03405	UPAR_HUMAN	Urokinase plasminogen activator surface receptor	PLAUR
Not defined	sp	Q03692	COAA1_HUMAN	Collagen alpha-1(X) chain	COL10A1
Not defined	sp	Q03721	KCNC4_HUMAN	Potassium voltage-gated channel subfamily C member 4	KCNC4
Not defined	sp	Q04206	TF65_HUMAN	Transcription factor p65	RELA
Not defined	sp	Q04741	EMX1_HUMAN	Homeobox protein EMX1	EMX1
Not defined	sp	Q04828	AK1C1_HUMAN	Aldo-keto reductase family 1 member C1	AKR1C1
Not defined	sp	Q04912	RON_HUMAN	Macrophage-stimulating protein receptor	MST1R
Not defined	sp	Q04941	PLP2_HUMAN	Proteolipid protein 2	PLP2
Not defined	sp	Q05397	FAK1_HUMAN	Focal adhesion kinase 1	PTK2
Not defined	sp	Q05932	FOLC_HUMAN	Folypolyglutamate synthase, mitochondrial	FFGS
Not defined	sp	Q05940	VMAT2_HUMAN	Synaptic vesicular amine transporter	SLC18A2
Not defined	sp	Q05B3	EMAL5_HUMAN	Echinoderm microtubule-associated protein-like 5	EML5
Not defined	sp	Q06124	PTN11_HUMAN	Tyrosine-protein phosphatase non-receptor type 11	PTPN11
Not defined	sp	Q06136	KDSR_HUMAN	3-ketodihydroshingosine reductase	KDSR
Not defined	sp	Q06187	BTK_HUMAN	Tyrosine-protein kinase BTK	BTK
Not defined	sp	Q06210	GFPT1_HUMAN	Glutamine-fructose-6-phosphate aminotransferase [isomerizing] 1	GFPT1
Not defined	sp	Q06265	EXOS9_HUMAN	Exosome complex component RRP45	EXOSC9
Not defined	sp	Q06278	AOXA_HUMAN	Aldehyde oxidase	AOX1
Not defined	sp	Q06330	SUH_HUMAN	Recombining binding protein suppressor of hairless	RBP1
Not defined	sp	Q06546	GABPA_HUMAN	GA-binding protein alpha chain	GABPA
Not defined	sp	Q06587	RING1_HUMAN	E3 ubiquitin-protein ligase RING1	RING1
Not defined	sp	Q07002	CDK18_HUMAN	Cyclin-dependent kinase 18	CDK18
Not defined	sp	Q07157	ZO1_HUMAN	Tight junction protein ZO-1	TJP1
Not defined	sp	Q07283	TRHY_HUMAN	Trichohyalin	TCFH
Not defined	sp	Q07343	PDE4B_HUMAN	cAMP-specific 3',5'-cyclic phosphodiesterase 4B	PDE4B
Not defined	sp	Q07817	B2CL1_HUMAN	Bcl-2-like protein 1	BCL2L1
Not defined	sp	Q07864	DPOE1_HUMAN	DNA polymerase epsilon catalytic subunit A	POLE
Not defined	sp	Q07960	RHG01_HUMAN	Rho GTPase-activating protein 1	ARHGAP1
Not defined	sp	Q08174	PCDH1_HUMAN	Protocadherin-1	PCDH1
Not defined	sp	Q08211	DHX9_HUMAN	ATP-dependent RNA helicase A	DHX9
Not defined	sp	Q08257	QOR_HUMAN	Quinone oxidoreductase	CRY2
Not defined	sp	Q08345	DDR1_HUMAN	Epithelial discoidin domain-containing receptor 1	DDR1
Not defined	sp	Q08378	GOGA3_HUMAN	Golgin subfamily A member 3	GOLGA3
Not defined	sp	Q08379	GOGA2_HUMAN	Golgin subfamily A member 2	GOLGA2
Not defined	sp	Q08426	ECHP_HUMAN	Peroxisomal bifunctional enzyme	EHHADH
Not defined	sp	Q08431	MFGM_HUMAN	Lactadherin	MFG8
Not defined	sp	Q08462	ADCY2_HUMAN	Adenylate cyclase type 2	ADCY2
Not defined	sp	Q08477	CP4F3_HUMAN	Cytochrome P450 4F3	CYP4F3
Not defined	sp	Q08499	PDE4D_HUMAN	cAMP-specific 3',5'-cyclic phosphodiesterase 4D	PDE4D
Not defined	sp	Q08623	HDHD1_HUMAN	Pseudouridine-5'-phosphatase	PUDP
Not defined	sp	Q08722	CD47_HUMAN	Leukocyte surface antigen CD47	CD47
Not defined	sp	Q08945	SSRP1_HUMAN	FACT complex subunit SSRP1	SSRP1
Not defined	sp	Q08AF3	SLFN5_HUMAN	Schlafen family member 5	SLFN5
Not defined	sp	Q08AH3	ACS2A_HUMAN	Acyl-coenzyme A synthetase ACSM2A, mitochondrial	ACSM2A
Not defined	sp	Q08J23	NSUN2_HUMAN	RNA cytosine C(5)-methyltransferase NSUN2	NSUN2
Not defined	sp	Q09161	NCBP1_HUMAN	Nuclear cap-binding protein subunit 1	NCBP1
Not defined	sp	Q09328	MGT5A_HUMAN	Alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A	MGT5
Not defined	sp	Q09428	ABCC8_HUMAN	ATP-binding cassette sub-family C member 8	ABCC8
Not defined	sp	Q09MP3	R51A2_HUMAN	RAD51-associated protein 2	RAD51AP2

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Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q0D215	IFFO1_HUMAN	Intermediate filament family orphan 1	IFFO1
Not defined	sp	Q0D215	ZN763_HUMAN	Zinc finger protein 763	ZN763
Not defined	sp	Q0IIM8	TBC8B_HUMAN	TBC1 domain family member 8B	TBC1D8B
Not defined	sp	Q0JRZ9	FCHO2_HUMAN	F-BAR domain only protein 2	FCHO2
Not defined	sp	Q0VDD8	DYH14_HUMAN	Dynein heavy chain 14, axonemal	DNAH14
Not defined	sp	Q0VDF9	HSP7E_HUMAN	Heat shock 70 kDa protein 14	HSPA14
Not defined	sp	Q0VVG4	SCRN3_HUMAN	Secernin-3	SCRN3
Not defined	sp	Q0VF49	K2012_HUMAN	Uncharacterized protein KIAA2012	KIAA2012
Not defined	sp	Q0VGL1	LTOR4_HUMAN	Regulator complex protein LAMTOR4	LAMTOR4
Not defined	sp	Q0ZGT2	NEXN_HUMAN	Nexilin	NEXN
Not defined	sp	Q10469	MGAT2_HUMAN	Alpha-1,6-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase	MGAT2
Not defined	sp	Q10471	GALT2_HUMAN	Polypeptide N-acetylgalactosaminyltransferase 2	GALNT2
Not defined	sp	Q10567	AP1B1_HUMAN	AP-1 complex subunit beta-1	AP1B1
Not defined	sp	Q10570	CPSF1_HUMAN	Cleavage and polyadenylation specificity factor subunit 1	CPSF1
Not defined	sp	Q10589	BST2_HUMAN	Bone marrow stromal antigen 2	BST2
Not defined	sp	Q11128	FUT5_HUMAN	Alpha-(1,3)-fucosyltransferase 5	FUT5
Not defined	sp	Q12765	SCRN1_HUMAN	Secernin-1	SCRN1
Not defined	sp	Q12768	WASC5_HUMAN	WASH complex subunit 5	WASHC5
Not defined	sp	Q12789	TF3C1_HUMAN	General transcription factor 3C polypeptide 1	GTF3C1
Not defined	sp	Q12792	TWF1_HUMAN	Twinfilin-1	TWF1
Not defined	sp	Q12798	CETN1_HUMAN	Centrin-1	CETN1
Not defined	sp	Q12800	TFCP2_HUMAN	Alpha-globin transcription factor CP2	TFCP2
Not defined	sp	Q12805	FBLN3_HUMAN	EGF-containing fibulin-like extracellular matrix protein 1	EFEMP1
Not defined	sp	Q12824	SNF5_HUMAN	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily B member 1	SMARCB1
Not defined	sp	Q12830	BPTF_HUMAN	Nucleosome-remodeling factor subunit BPTF	BPTF
Not defined	sp	Q12840	KIF5A_HUMAN	Kinesin heavy chain isoform 5A	KIF5A
Not defined	sp	Q12846	STX4_HUMAN	Syntaxin-4	STX4
Not defined	sp	Q12849	GRSF1_HUMAN	G-rich sequence factor 1	GRSF1
Not defined	sp	Q12851	MAP4K2_HUMAN	Mitogen-activated protein kinase kinase kinase kinase 2	MAP4K2
Not defined	sp	Q12857	NFIA_HUMAN	Nuclear factor 1 A-type	NFIA
Not defined	sp	Q12872	SFSWAP_HUMAN	Splicing factor, suppressor of white-apricot homolog	SFSWAP
Not defined	sp	Q12873	CHD3_HUMAN	Chromodomain-helicase-DNA-binding protein 3	CHD3
Not defined	sp	Q12882	DPYD_HUMAN	Dihydropyrimidine dehydrogenase [NADP(+)]	DPYD
Not defined	sp	Q12884	SEPR_HUMAN	Prolyl endopeptidase FAP	FAP
Not defined	sp	Q12888	TP53BP1_HUMAN	TP53-binding protein 1	TP53BP1
Not defined	sp	Q12899	TRIM26_HUMAN	Tripartite motif-containing protein 26	TRIM26
Not defined	sp	Q12913	PTPRJ_HUMAN	Receptor-type tyrosine-protein phosphatase eta	PTPRJ
Not defined	sp	Q12926	ELAVL2_HUMAN	ELAV-like protein 2	ELAVL2
Not defined	sp	Q12955	ANK3_HUMAN	Ankyrin-3	ANK3
Not defined	sp	Q12959	DLG1_HUMAN	Disks large homolog 1	DLG1
Not defined	sp	Q12962	TAF10_HUMAN	Transcription initiation factor TFIID subunit 10	TAF10
Not defined	sp	Q12965	MYO1E_HUMAN	Unconventional myosin-le	MYO1E
Not defined	sp	Q12974	TP4A2_HUMAN	Protein tyrosine phosphatase type IVA 2	PTPA42
Not defined	sp	Q12979	ABR_HUMAN	Active breakpoint cluster region-related protein	ABR
Not defined	sp	Q12981	SEC20_HUMAN	Vesicle transport protein SEC20	BNIP1
Not defined	sp	Q12996	CSTF3_HUMAN	Cleavage stimulation factor subunit 3	CSTF3
Not defined	sp	Q13033	STRN3_HUMAN	Striatin-3	STRN3
Not defined	sp	Q13043	STK4_HUMAN	Serine/threonine-protein kinase 4	STK4
Not defined	sp	Q13045	FLII_HUMAN	Protein flightless-1 homolog	FLII
Not defined	sp	Q13057	COASY_HUMAN	Bifunctional coenzyme A synthase	COASY
Not defined	sp	Q13065	GAGE1_HUMAN	G antigen 1	GAGE1
Not defined	sp	Q13066	GAG2B_HUMAN	G antigen 2B/2C	GAGE2B
Not defined	sp	Q13069	GAGE5_HUMAN	G antigen 5	GAGE5
Not defined	sp	Q13070	GAGE6_HUMAN	G antigen 6	GAGE6
Not defined	sp	Q13084	MRPL28_HUMAN	39S ribosomal protein L28, mitochondrial	MRPL28
Not defined	sp	Q13085	ACACA_HUMAN	Acetyl-CoA carboxylase 1	ACACA
Not defined	sp	Q13098	GPS1_HUMAN	COP9 signalosome complex subunit 1	GPS1
Not defined	sp	Q13103	SPP24_HUMAN	Secreted phosphoprotein 24	SPP2
Not defined	sp	Q13107	UBP4_HUMAN	Ubiquitin carboxyl-terminal hydrolase 4	USP4
Not defined	sp	Q13112	CAF1B_HUMAN	Chromatin assembly factor 1 subunit B	CAF1B
Not defined	sp	Q13123	RED_HUMAN	Protein Red	IK
Not defined	sp	Q13126	MTAP_HUMAN	S-methyl-5'-thioadenosine phosphorylase	MTAP
Not defined	sp	Q13127	REST_HUMAN	RE1-silencing transcription factor	REST
Not defined	sp	Q13131	AAPK1_HUMAN	5'-AMP-activated protein kinase catalytic subunit alpha-1	PRKAA1
Not defined	sp	Q13144	EIF2B5_HUMAN	Translation initiation factor eIF-2B subunit epsilon	EIF2B5
Not defined	sp	Q13148	TARDBP_HUMAN	TAR DNA-binding protein 43	TARDBP
Not defined	sp	Q13153	PAK1_HUMAN	Serine/threonine-protein kinase PAK 1	PAK1
Not defined	sp	Q13155	AIMP2_HUMAN	Aminoacyl tRNA synthase complex-interacting multifunctional protein 2	AIMP2
Not defined	sp	Q13158	FADD_HUMAN	FAS-associated death domain protein	FADD
Not defined	sp	Q13177	PAK2_HUMAN	Serine/threonine-protein kinase PAK 2	PAK2
Not defined	sp	Q13188	STK3_HUMAN	Serine/threonine-protein kinase 3	STK3
Not defined	sp	Q13190	STX5_HUMAN	Syntaxin-5	STX5
Not defined	sp	Q13200	PSMD2_HUMAN	26S proteasome non-ATPase regulatory subunit 2	PSMD2
Not defined	sp	Q13206	DDX10_HUMAN	Probable ATP-dependent RNA helicase DDX10	DDX10
Not defined	sp	Q13217	DNJC3_HUMAN	DnaJ homolog subfamily C member 3	DNJC3
Not defined	sp	Q13228	SBP1_HUMAN	Methanethiol oxidase	SELENBP1
Not defined	sp	Q13231	CHIT1_HUMAN	Chitotriosidase-1	CHIT1
Not defined	sp	Q13232	NDK3_HUMAN	Nucleoside diphosphate kinase 3	NME3
Not defined	sp	Q13257	MDM2_HUMAN	Mitotic spindle assembly checkpoint protein MAD2A	MAD2L1
Not defined	sp	Q13263	TIF1B_HUMAN	Transcription intermediary factor 1-beta	TRIM28
Not defined	sp	Q13268	DHRS2_HUMAN	Dehydrogenase/reductase SDR family member 2, mitochondrial	DHRS2
Not defined	sp	Q13277	STX3_HUMAN	Syntaxin-3	STX3
Not defined	sp	Q13287	NMI_HUMAN	N-myc-interactor	NMI
Not defined	sp	Q13291	SLAMF1_HUMAN	Signaling lymphocytic activation molecule	SLAMF1
Not defined	sp	Q13303	KCAB2_HUMAN	Voltage-gated potassium channel subunit beta-2	KCNAB2
Not defined	sp	Q13304	GPR17_HUMAN	Uracil nucleotide/cysteinyl leukotriene receptor	GPR17
Not defined	sp	Q13308	PTK7_HUMAN	Inactive tyrosine-protein kinase 7	PTK7
Not defined	sp	Q13315	ATM_HUMAN	Serine-protein kinase ATM	ATM
Not defined	sp	Q13330	MTA1_HUMAN	Metastasis-associated protein MTA1	MTA1
Not defined	sp	Q13332	PTPRS_HUMAN	Receptor-type tyrosine-protein phosphatase 5	PTPRS

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Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q13356	PPIL2_HUMAN	RING-type E3 ubiquitin-protein ligase PPIL2	PPIL2
Not defined	sp	Q13367	AP3B2_HUMAN	AP-3 complex subunit beta-2	AP3B2
Not defined	sp	Q13402	MYO7A_HUMAN	Unconventional myosin-VIIa	MYO7A
Not defined	sp	Q13416	ORC2_HUMAN	Origin recognition complex subunit 2	ORC2
Not defined	sp	Q13418	ILK_HUMAN	Integrin-linked protein kinase	ILK
Not defined	sp	Q13423	NNTM_HUMAN	NAD(P) transhydrogenase, mitochondrial	NNT
Not defined	sp	Q13426	XRCC4_HUMAN	DNA repair protein XRCC4	XRCC4
Not defined	sp	Q13427	PIIG_HUMAN	Peptidyl-prolyl cis-trans isomerase G	PIIG
Not defined	sp	Q13432	U119A_HUMAN	Protein unc-119 homolog A	UNC119
Not defined	sp	Q13433	S39A6_HUMAN	Zinc transporter ZIP6	SLC39A6
Not defined	sp	Q13451	FKBP5_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP5	FKBP5
Not defined	sp	Q13472	TOP3A_HUMAN	DNA topoisomerase 3-alpha	TOP3A
Not defined	sp	Q13492	PICAL_HUMAN	Phosphatidylinositol-binding clathrin assembly protein	PICALM
Not defined	sp	Q13501	SQSTM1_HUMAN	Sequestosome-1	SQSTM1
Not defined	sp	Q13503	MED21_HUMAN	Mediator of RNA polymerase II transcription subunit 21	MED21
Not defined	sp	Q13505	MTX1_HUMAN	Metaxin-1	MTX1
Not defined	sp	Q13523	PRP4B_HUMAN	Serine/threonine-protein kinase PRP4 homolog	PRPF4B
Not defined	sp	Q13535	ATR_HUMAN	Serine/threonine-protein kinase ATR	ATR
Not defined	sp	Q13547	HDAC1_HUMAN	Histone deacetylase 1	HDAC1
Not defined	sp	Q13564	ULA1_HUMAN	NEDD8-activating enzyme E1 regulatory subunit	NAE1
Not defined	sp	Q13573	SNW1_HUMAN	SNW domain-containing protein 1	SNW1
Not defined	sp	Q13586	STIM1_HUMAN	Stromal interaction molecule 1	STIM1
Not defined	sp	Q13596	SNX1_HUMAN	Sorting nexin-1	SNX1
Not defined	sp	Q13601	KRR1_HUMAN	KRR1 small subunit processome component homolog	KRR1
Not defined	sp	Q13610	PWP1_HUMAN	Periodic tryptophan protein 1 homolog	PWP1
Not defined	sp	Q13613	MTMR1_HUMAN	Myotubularin-related protein 1	MTMR1
Not defined	sp	Q13616	CUL1_HUMAN	Cullin-1	CUL1
Not defined	sp	Q13617	CUL2_HUMAN	Cullin-2	CUL2
Not defined	sp	Q13618	CUL3_HUMAN	Cullin-3	CUL3
Not defined	sp	Q13635	PTC1_HUMAN	Protein patched homolog 1	PTCH1
Not defined	sp	Q13636	RAB31_HUMAN	Ras-related protein Rab-31	RAB31
Not defined	sp	Q13642	FHL1_HUMAN	Four and a half LIM domains protein 1	FHL1
Not defined	sp	Q13643	FHL3_HUMAN	Four and a half LIM domains protein 3	FHL3
Not defined	sp	Q13685	AAMP_HUMAN	Angio-associated migratory cell protein	AAMP
Not defined	sp	Q13733	AT1A4_HUMAN	Sodium/potassium-transporting ATPase subunit alpha-4	ATP1A4
Not defined	sp	Q13751	LAMB3_HUMAN	Laminin subunit beta-3	LAMB3
Not defined	sp	Q13753	LAMC2_HUMAN	Laminin subunit gamma-2	LAMC2
Not defined	sp	Q13769	THOC5_HUMAN	THO complex subunit 5 homolog	THOC5
Not defined	sp	Q13797	ITGA9_HUMAN	Integrin alpha-9	ITGA9
Not defined	sp	Q13822	ENPP2_HUMAN	Ectonucleotide pyrophosphatase/phosphodiesterase family member 2	ENPP2
Not defined	sp	Q13823	NOG2_HUMAN	Nucleolar GTP-binding protein 2	GNL2
Not defined	sp	Q13825	AUHM_HUMAN	Methylglutaconyl-CoA hydratase, mitochondrial	AUH
Not defined	sp	Q13884	SNTB1_HUMAN	Beta-1-syntrophin	SNTB1
Not defined	sp	Q13895	BYST_HUMAN	Bystin	BYSL
Not defined	sp	Q13901	C1D_HUMAN	Nuclear nucleic acid-binding protein C1D	C1D
Not defined	sp	Q13907	IDI1_HUMAN	Isopentenyl-diphosphate Delta-isomerase 1	IDI1
Not defined	sp	Q13938	CAYP1_HUMAN	Calcyphosin	CAPS
Not defined	sp	Q13951	PEBB_HUMAN	Core-binding factor subunit beta	CBFB
Not defined	sp	Q13952	NFYC_HUMAN	Nuclear transcription factor Y subunit gamma	NFYC
Not defined	sp	Q14003	KCNC3_HUMAN	Potassium voltage-gated channel subfamily C member 3	KCNC3
Not defined	sp	Q14004	CDK13_HUMAN	Cyclin-dependent kinase 13	CDK13
Not defined	sp	Q14008	CKAP5_HUMAN	Cytoskeleton-associated protein 5	CKAP5
Not defined	sp	Q14031	COL4A6_HUMAN	Collagen alpha-6(IV) chain	COL4A6
Not defined	sp	Q14061	COX17_HUMAN	Cytochrome c oxidase copper chaperone	COX17
Not defined	sp	Q14116	IL18_HUMAN	Interleukin-18	IL18
Not defined	sp	Q14117	DPYS_HUMAN	Dihydropyrimidinase	DPYS
Not defined	sp	Q14118	DAG1_HUMAN	Dystroglycan	DAG1
Not defined	sp	Q14126	DSG2_HUMAN	Desmoglein-2	DSG2
Not defined	sp	Q14134	TRIM29_HUMAN	Tripartite motif-containing protein 29	TRIM29
Not defined	sp	Q14137	BOP1_HUMAN	Ribosome biogenesis protein BOP1	BOP1
Not defined	sp	Q14151	SAFB2_HUMAN	Scaffold attachment factor B2	SAFB2
Not defined	sp	Q14152	EIF3A_HUMAN	Eukaryotic translation initiation factor 3 subunit A	EIF3A
Not defined	sp	Q14160	SCRIB_HUMAN	Protein scribble homolog	SCRIB
Not defined	sp	Q14185	DOCK1_HUMAN	Dedicator of cytokinesis protein 1	DOCK1
Not defined	sp	Q14192	FHL2_HUMAN	Four and a half LIM domains protein 2	FHL2
Not defined	sp	Q14194	DPYL1_HUMAN	Dihydropyrimidinase-related protein 1	CRMP1
Not defined	sp	Q14195	DPYL3_HUMAN	Dihydropyrimidinase-related protein 3	DPYSL3
Not defined	sp	Q14202	ZMYM3_HUMAN	Zinc finger MYM-type protein 3	ZMYM3
Not defined	sp	Q14203	DCTN1_HUMAN	Dynactin subunit 1	DCTN1
Not defined	sp	Q14204	DYHC1_HUMAN	Cytoplasmic dynein 1 heavy chain 1	DYNC1H1
Not defined	sp	Q14210	LY6D_HUMAN	Lymphocyte antigen 6D	LY6D
Not defined	sp	Q14232	EI2BA_HUMAN	Translation initiation factor eIF-2B subunit alpha	EIF2B1
Not defined	sp	Q14241	ELOA1_HUMAN	Elongin-A	ELOA
Not defined	sp	Q14244	MAP7_HUMAN	Ensconsin	MAP7
Not defined	sp	Q14249	NUCG_HUMAN	Endonuclease G, mitochondrial	ENDOG
Not defined	sp	Q14257	RCN2_HUMAN	Reticulocalbin-2	RCN2
Not defined	sp	Q14258	TRIM25_HUMAN	E3 ubiquitin/ISG15 ligase TRIM25	TRIM25
Not defined	sp	Q14289	FAK2_HUMAN	Protein-tyrosine kinase 2-beta	PTK2B
Not defined	sp	Q14318	FKBP8_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP8	FKBP8
Not defined	sp	Q14353	GAMT_HUMAN	Guanidinoacetate N-methyltransferase	GAMT
Not defined	sp	Q14376	GALE_HUMAN	UDP-glucose 4-epimerase	GALE
Not defined	sp	Q14390	GGTL2_HUMAN	Glutathione hydrolase light chain 2	GGTL2
Not defined	sp	Q14432	PDE3A_HUMAN	cGMP-inhibited 3',5'-cyclic phosphodiesterase A	PDE3A
Not defined	sp	Q14435	GALT3_HUMAN	Polypeptide N-acetylgalactosaminyltransferase 3	GALT3
Not defined	sp	Q14494	NFE2L1_HUMAN	Endoplasmic reticulum membrane sensor NFE2L1	NFE2L1
Not defined	sp	Q14500	KCNJ12_HUMAN	ATP-sensitive inward rectifier potassium channel 12	KCNJ12
Not defined	sp	Q14512	FGFBP1_HUMAN	Fibroblast growth factor-binding protein 1	FGFBP1
Not defined	sp	Q14517	FAT1_HUMAN	Protocadherin Fat 1	FAT1
Not defined	sp	Q14520	HABP2_HUMAN	Hyaluronan-binding protein 2	HABP2
Not defined	sp	Q14554	PDIAS_HUMAN	Protein disulfide-isomerase A5	PDIAS

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Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q14558	KPRA_HUMAN	Phosphoribosyl pyrophosphate synthase-associated protein 1	PRPSAP1
Not defined	sp	Q14562	DHX8_HUMAN	ATP-dependent RNA helicase DHX8	DHX8
Not defined	sp	Q14563	SEM3A_HUMAN	Semaphorin-3A	SEMA3A
Not defined	sp	Q14566	MCM6_HUMAN	DNA replication licensing factor MCM6	MCM6
Not defined	sp	Q14571	ITPR2_HUMAN	Inositol 1,4,5-trisphosphate receptor type 2	ITPR2
Not defined	sp	Q14653	IRF3_HUMAN	Interferon regulatory factor 3	IRF3
Not defined	sp	Q14657	LAGE3_HUMAN	EKC/KEOPS complex subunit LAGE3	LAGE3
Not defined	sp	Q14667	KO100_HUMAN	Protein KIAA0100	KIAA0100
Not defined	sp	Q14671	PUM1_HUMAN	Pumilio homolog 1	PUM1
Not defined	sp	Q14676	MDC1_HUMAN	Mediator of DNA damage checkpoint protein 1	MDC1
Not defined	sp	Q14677	EPN4_HUMAN	Clathrin interactor 1	CLINT1
Not defined	sp	Q14678	KANK1_HUMAN	KN motif and ankyrin repeat domain-containing protein 1	KANK1
Not defined	sp	Q14679	TTL4_HUMAN	Tubulin polyglutamylase TTL4	TTL4
Not defined	sp	Q14680	MELK_HUMAN	Maternal embryonic leucine zipper kinase	MELK
Not defined	sp	Q14683	SMC1A_HUMAN	Structural maintenance of chromosomes protein 1A	SMC1A
Not defined	sp	Q14691	PSF1_HUMAN	DNA replication complex GINS protein PSF1	GINS1
Not defined	sp	Q14693	LPIN1_HUMAN	Phosphatidate phosphatase LPIN1	LPIN1
Not defined	sp	Q14694	UBP10_HUMAN	Ubiquitin carboxyl-terminal hydrolase 10	USP10
Not defined	sp	Q14703	MBTP1_HUMAN	Membrane-bound transcription factor site-1 protease	MBTPS1
Not defined	sp	Q14721	KCNB1_HUMAN	Potassium voltage-gated channel subfamily B member 1	KCNB1
Not defined	sp	Q14722	KCAB1_HUMAN	Voltage-gated potassium channel subunit beta-1	KCNAB1
Not defined	sp	Q14738	2A5D_HUMAN	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit delta isoform	PPP2R5D
Not defined	sp	Q14739	LBR_HUMAN	Delta(14)-sterol reductase LBR	LBR
Not defined	sp	Q14789	GOLGB1_HUMAN	Golgin subfamily B member 1	GOLGB1
Not defined	sp	Q14790	CASP8_HUMAN	Caspase-8	CASP8
Not defined	sp	Q14793	NAA30_HUMAN	N-alpha-acetyltransferase 30	NAA30
Not defined	sp	Q14802	FXD3_HUMAN	FXD domain-containing ion transport regulator 3	FXD3
Not defined	sp	Q14839	CHD4_HUMAN	Chromodomain-helicase-DNA-binding protein 4	CHD4
Not defined	sp	Q14919	NC2A_HUMAN	Dr1-associated corepressor	DRAP1
Not defined	sp	Q14938	NFIX_HUMAN	Nuclear factor 1 X-type	NFIX
Not defined	sp	Q14943	KI3S1_HUMAN	Killer cell immunoglobulin-like receptor 3DS1	KIR3DS1
Not defined	sp	Q14956	GNPMB_HUMAN	Transmembrane glycoprotein NMB	GNPMB
Not defined	sp	Q14980	NUMA1_HUMAN	Nuclear mitotic apparatus protein 1	NUMA1
Not defined	sp	Q14997	PSME4_HUMAN	Proteasome activator complex subunit 4	PSME4
Not defined	sp	Q14999	CUL7_HUMAN	Cullin-7	CUL7
Not defined	sp	Q149M9	NWD1_HUMAN	NACHT domain- and WD repeat-containing protein 1	NWD1
Not defined	sp	Q149N8	SHPRH_HUMAN	E3 ubiquitin-protein ligase SHPRH	SHPRH
Not defined	sp	Q148N4	SLMAP_HUMAN	Sarcolemmal membrane-associated protein	SLMAP
Not defined	sp	Q14C86	GAPD1_HUMAN	GTPase-activating protein and VPS9 domain-containing protein 1	GAPVD1
Not defined	sp	Q14CN2	CLCA4_HUMAN	Calcium-activated chloride channel regulator 4	CLCA4
Not defined	sp	Q14DG7	T132B_HUMAN	Transmembrane protein 132B	TMEM132B
Not defined	sp	Q15003	CND2_HUMAN	Condensin complex subunit 2	NCAPH
Not defined	sp	Q15005	SPCS2_HUMAN	Signal peptidase complex subunit 2	SPCS2
Not defined	sp	Q15008	PSMD6_HUMAN	26S proteasome non-ATPase regulatory subunit 6	PSMD6
Not defined	sp	Q15011	HERP1_HUMAN	Homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 1 protein	HERPUD1
Not defined	sp	Q15018	ABRX2_HUMAN	BRISC complex subunit Abraxas 2	ABRAXAS2
Not defined	sp	Q15020	SART3_HUMAN	Squamous cell carcinoma antigen recognized by T-cells 3	SART3
Not defined	sp	Q15027	ACAP1_HUMAN	Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 1	ACAP1
Not defined	sp	Q15036	SNX17_HUMAN	Sorting nexin-17	SNX17
Not defined	sp	Q15041	AR6P1_HUMAN	ADP-ribosylation factor-like protein 6-interacting protein 1	ARL6IP1
Not defined	sp	Q15047	SETB1_HUMAN	Histone-lysine N-methyltransferase SETDB1	SETDB1
Not defined	sp	Q15050	RRS1_HUMAN	Ribosome biogenesis regulatory protein homolog	RRS1
Not defined	sp	Q15051	IQCB1_HUMAN	IQ calmodulin-binding motif-containing protein 1	IQCB1
Not defined	sp	Q15052	ARHG6_HUMAN	Rho guanine nucleotide exchange factor 6	ARHGEF6
Not defined	sp	Q15061	WDR43_HUMAN	WD repeat-containing protein 43	WDR43
Not defined	sp	Q15070	OXA1L_HUMAN	Mitochondrial inner membrane protein OXA1L	OXA1L
Not defined	sp	Q15075	EEA1_HUMAN	Early endosome antigen 1	EEA1
Not defined	sp	Q15113	PCOCE1_HUMAN	Procollagen C-endopeptidase enhancer 1	PCOCE
Not defined	sp	Q15125	EBP_HUMAN	3-beta-hydroxysteroid-Delta(8),Delta(7)-isomerase	EBP
Not defined	sp	Q15126	PMVK_HUMAN	Phosphomevalonate kinase	PMVK
Not defined	sp	Q15149	PLEC_HUMAN	Plectin	PLEC
Not defined	sp	Q15154	PCM1_HUMAN	Pericentriolar material 1 protein	PCM1
Not defined	sp	Q15165	PON2_HUMAN	Serum paraoxonase/arylesterase 2	PON2
Not defined	sp	Q15223	NECT1_HUMAN	Nectin-1	NECTIN1
Not defined	sp	Q15262	PTPRK_HUMAN	Receptor-type tyrosine-protein phosphatase kappa	PTPRK
Not defined	sp	Q15269	PWP2_HUMAN	Periodic tryptophan protein 2 homolog	PWP2
Not defined	sp	Q15274	NADC_HUMAN	Nicotinate-nucleotide pyrophosphorylase [carboxylating]	QPRT
Not defined	sp	Q15276	RABE1_HUMAN	Rab GTPase-binding effector protein 1	RABEP1
Not defined	sp	Q15291	RBBP5_HUMAN	Retinoblastoma-binding protein 5	RBBP5
Not defined	sp	Q15303	ERBB4_HUMAN	Receptor tyrosine-protein kinase erbB-4	ERBB4
Not defined	sp	Q15329	E2F5_HUMAN	Transcription factor E2F5	E2F5
Not defined	sp	Q15375	EPHA7_HUMAN	Ephrin type-A receptor 7	EPHA7
Not defined	sp	Q15392	DHC24_HUMAN	Delta(24)-sterol reductase	DHCR24
Not defined	sp	Q15398	DLGAP5_HUMAN	Disks large-associated protein 5	DLGAP5
Not defined	sp	Q15417	CNN3_HUMAN	Calponin-3	CNN3
Not defined	sp	Q15418	KS6A1_HUMAN	Ribosomal protein S6 kinase alpha-1	RPS6KA1
Not defined	sp	Q15424	SAFB1_HUMAN	Scaffold attachment factor B1	SAFB
Not defined	sp	Q15434	RBMS2_HUMAN	RNA-binding motif, single-stranded-interacting protein 2	RBMS2
Not defined	sp	Q15436	SEC23A_HUMAN	Protein transport protein Sec23A	SEC23A
Not defined	sp	Q15437	SEC23B_HUMAN	Protein transport protein Sec23B	SEC23B
Not defined	sp	Q15477	SKIV2_HUMAN	Helicase SKI2W	SKIV2L
Not defined	sp	Q15506	SP17_HUMAN	Sperm surface protein Sp17	SPA17
Not defined	sp	Q15517	CDSN_HUMAN	Corneodesmosin	CDSN
Not defined	sp	Q15526	SURF1_HUMAN	Surfeit locus protein 1	SURF1
Not defined	sp	Q15527	SURF2_HUMAN	Surfeit locus protein 2	SURF2
Not defined	sp	Q15528	MED22_HUMAN	Mediator of RNA polymerase II transcription subunit 22	MED22
Not defined	sp	Q15532	SSXT_HUMAN	Protein SSXT	SS18
Not defined	sp	Q15543	TAF13_HUMAN	Transcription initiation factor TFIID subunit 13	TAF13
Not defined	sp	Q15545	TAF7_HUMAN	Transcription initiation factor TFIID subunit 7	TAF7
Not defined	sp	Q15554	TERF2_HUMAN	Telomeric repeat-binding factor 2	TERF2

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Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q15555	MARE2_HUMAN	Microtubule-associated protein RP/EB family member 2	MAPRE2
Not defined	sp	Q15560	TCEA2_HUMAN	Transcription elongation factor A protein 2	TCEA2
Not defined	sp	Q15569	TESK1_HUMAN	Dual specificity testis-specific protein kinase 1	TESK1
Not defined	sp	Q15583	TGIF1_HUMAN	Homeobox protein TGIF1	TGIF1
Not defined	sp	Q15596	NCOA2_HUMAN	Nuclear receptor coactivator 2	NCOA2
Not defined	sp	Q15599	NHRF2_HUMAN	Na(+)/H(+) exchange regulatory cofactor NHE-RF2	SLC9A3R2
Not defined	sp	Q15643	TRIPB_HUMAN	Thyroid receptor-interacting protein 11	TRIP11
Not defined	sp	Q15645	PCH2_HUMAN	Pachytene checkpoint protein 2 homolog	TRIP13
Not defined	sp	Q15646	OASL_HUMAN	2'-5'-oligoadenylate synthase-like protein	OASL
Not defined	sp	Q15654	TRIP6_HUMAN	Thyroid receptor-interacting protein 6	TRIP6
Not defined	sp	Q15700	DLG2_HUMAN	Disks large homolog 2	DLG2
Not defined	sp	Q15714	T22D1_HUMAN	TSC22 domain family protein 1	TSC22D1
Not defined	sp	Q15738	NSDHL_HUMAN	Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	NSDHL
Not defined	sp	Q15742	NAB2_HUMAN	NGFI-A-binding protein 2	NAB2
Not defined	sp	Q15744	CEBPE_HUMAN	CCAAT/enhancer-binding protein epsilon	CEBPE
Not defined	sp	Q15746	MYLK_HUMAN	Myosin light chain kinase, smooth muscle	MYLK
Not defined	sp	Q15759	MK11_HUMAN	Mitogen-activated protein kinase 11	MAPK11
Not defined	sp	Q15772	SPEG_HUMAN	Striated muscle preferentially expressed protein kinase	SPEG
Not defined	sp	Q15773	MLF2_HUMAN	Myeloid leukemia factor 2	MLF2
Not defined	sp	Q15811	ITSN1_HUMAN	Intersectin-1	ITSN1
Not defined	sp	Q15813	TBCE_HUMAN	Tubulin-specific chaperone E	TBCE
Not defined	sp	Q15814	TBCC_HUMAN	Tubulin-specific chaperone C	TBCC
Not defined	sp	Q15847	ADIRF_HUMAN	Adipogenesis regulatory factor	ADIRF
Not defined	sp	Q15904	VAS1_HUMAN	V-type proton ATPase subunit S1	ATP6AP1
Not defined	sp	Q16134	ETFD_HUMAN	Electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial	ETFDH
Not defined	sp	Q16143	SYUB_HUMAN	Beta-synuclein	SNCB
Not defined	sp	Q16186	ADRM1_HUMAN	Proteasomal ubiquitin receptor ADRM1	ADRM1
Not defined	sp	Q16204	CCDC6_HUMAN	Coiled-coil domain-containing protein 6	CCDC6
Not defined	sp	Q16270	IGFBP7_HUMAN	Insulin-like growth factor-binding protein 7	IGFBP7
Not defined	sp	Q16348	S15A2_HUMAN	Solute carrier family 15 member 2	SLC15A2
Not defined	sp	Q16352	AINX_HUMAN	Alpha-internexin	INA
Not defined	sp	Q16394	EXT1_HUMAN	Exostosin-1	EXT1
Not defined	sp	Q16401	PSMD5_HUMAN	26S proteasome non-ATPase regulatory subunit 5	PSMD5
Not defined	sp	Q16473	TENXA_HUMAN	Putative tenascin-XA	TNXA
Not defined	sp	Q16513	PKN2_HUMAN	Serine/threonine-protein kinase N2	PKN2
Not defined	sp	Q16518	RPE65_HUMAN	Retinoid isomerohydrolase	RPE65
Not defined	sp	Q16527	CSRP2_HUMAN	Cysteine and glycine-rich protein 2	CSRP2
Not defined	sp	Q16539	MK14_HUMAN	Mitogen-activated protein kinase 14	MAPK14
Not defined	sp	Q16540	RM23_HUMAN	39S ribosomal protein L23, mitochondrial	MRPL23
Not defined	sp	Q16555	DPYL2_HUMAN	Dihydropyrimidinase-related protein 2	DPYSL2
Not defined	sp	Q16587	ZNF74_HUMAN	Zinc finger protein 74	ZNF74
Not defined	sp	Q16594	TAF9_HUMAN	Transcription initiation factor TFIID subunit 9	TAF9
Not defined	sp	Q16611	BAK_HUMAN	Bcl-2 homologous antagonist/killer	BAK1
Not defined	sp	Q16625	OCLN_HUMAN	Occludin	OCLN
Not defined	sp	Q16626	MEA1_HUMAN	Male-enhanced antigen 1	MEA1
Not defined	sp	Q16637	SMN_HUMAN	Survival motor neuron protein	SMN2
Not defined	sp	Q16643	DREB_HUMAN	Drebrin	DBN1
Not defined	sp	Q16651	PRSS8_HUMAN	Prostasin	PRSS8
Not defined	sp	Q16659	MK06_HUMAN	Mitogen-activated protein kinase 6	MAPK6
Not defined	sp	Q16666	IFI16_HUMAN	Gamma-interferon-inducible protein 16	IFI16
Not defined	sp	Q16678	CP1B1_HUMAN	Cytochrome P450 1B1	CYP1B1
Not defined	sp	Q16706	MA2A1_HUMAN	Alpha-mannosidase 2	MAN2A1
Not defined	sp	Q16719	KYNU_HUMAN	Kynureninase	KYNU
Not defined	sp	Q16720	AT2B3_HUMAN	Plasma membrane calcium-transporting ATPase 3	ATP2B3
Not defined	sp	Q16740	CLPP_HUMAN	ATP-dependent Clp protease proteolytic subunit, mitochondrial	CLPP
Not defined	sp	Q16760	DGKD_HUMAN	Diacylglycerol kinase delta	DGKD
Not defined	sp	Q16763	UBE2S_HUMAN	Ubiquitin-conjugating enzyme E2 S	UBE2S
Not defined	sp	Q16769	QPCT_HUMAN	Glutaminyl-peptide cyclotransferase	QPCT
Not defined	sp	Q16773	KAT1_HUMAN	Kynurenine-oxoglutarate transaminase 1	KYAT1
Not defined	sp	Q16774	KGUA_HUMAN	Guanylate kinase	GUK1
Not defined	sp	Q16775	GLO2_HUMAN	Hydroxyacylglutathione hydrolase, mitochondrial	HAGH
Not defined	sp	Q16787	LAMA3_HUMAN	Laminin subunit alpha-3	LAMA3
Not defined	sp	Q16790	CAH9_HUMAN	Carbonic anhydrase 9	CA9
Not defined	sp	Q16795	NDUA9_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochondrial	NDUFA9
Not defined	sp	Q16798	MAON_HUMAN	NADP-dependent malic enzyme, mitochondrial	ME3
Not defined	sp	Q16822	PCKGM_HUMAN	Phosphoenolpyruvate carboxykinase [GTP], mitochondrial	PCK2
Not defined	sp	Q16827	PTPRO_HUMAN	Receptor-type tyrosine-protein phosphatase O	PTPRO
Not defined	sp	Q16831	UPP1_HUMAN	Uridine phosphorylase 1	UPP1
Not defined	sp	Q16850	CP51A_HUMAN	Lanosterol 14-alpha demethylase	CYP51A1
Not defined	sp	Q16851	UGPA_HUMAN	UTP-glucose-1-phosphate uridylyltransferase	UGP2
Not defined	sp	Q16854	DGUOK_HUMAN	Deoxyguanosine kinase, mitochondrial	DGUOK
Not defined	sp	Q16878	CDO1_HUMAN	Cysteine dioxygenase type 1	CDO1
Not defined	sp	Q16890	TPD53_HUMAN	Tumor protein D53	TPD52L1
Not defined	sp	Q16891	MIC60_HUMAN	MICOS complex subunit MIC60	IMMT
Not defined	sp	Q17RC7	EX3L4_HUMAN	Exocyst complex component 3-like protein 4	EXOC3L4
Not defined	sp	Q17RR3	LIPR3_HUMAN	Pancreatic lipase-related protein 3	PNLIPRP3
Not defined	sp	Q11529	LONF2_HUMAN	LON peptidase N-terminal domain and RING finger protein 2	LONRF2
Not defined	sp	Q1MSJ5	CSPP1_HUMAN	Centrosome and spindle pole-associated protein 1	CSPP1
Not defined	sp	Q1KH10	SKDA1_HUMAN	SKI/DACH domain-containing protein 1	SKIDA1
Not defined	sp	Q27J81	INF2_HUMAN	Inverted formin-2	INF2
Not defined	sp	Q29983	MICA_HUMAN	MHC class I polypeptide-related sequence A	MICA
Not defined	sp	Q29RF7	PDS5A_HUMAN	Sister chromatid cohesion protein PDS5 homolog A	PDS5A
Not defined	sp	Q2KHT3	CL16A_HUMAN	Protein CLEC16A	CLEC16A
Not defined	sp	Q21D37	K1109_HUMAN	Transmembrane protein KIAA1109	KIAA1109
Not defined	sp	Q2M1K9	ZN423_HUMAN	Zinc finger protein 423	ZNF423
Not defined	sp	Q2M296	MTHSD_HUMAN	Methylenetetrahydrofolate synthase domain-containing protein	MTHFSD
Not defined	sp	Q2M2H8	MGAL_HUMAN	Probable maltase-glucoamylase 2	MGAM2
Not defined	sp	Q2M3V2	SWAHA_HUMAN	Ankyrin repeat domain-containing protein SOWAHA	SOWAHA
Not defined	sp	Q2NKX8	ERC6L_HUMAN	DNA excision repair protein ERCC-6-like	ERCC6L
Not defined	sp	Q2NL82	TSR1_HUMAN	Pre-rRNA-processing protein TSR1 homolog	TSR1

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q2PP17	RGPA2_HUMAN	Ral GTPase-activating protein subunit alpha-2	RALGAP2
Not defined	sp	Q2QD12	RPEL1_HUMAN	Ribulose-phosphate 3-epimerase-like protein 1	RPEL1
Not defined	sp	Q2TAA2	IAH1_HUMAN	Isoamyl acetate-hydrolyzing esterase 1 homolog	IAH1
Not defined	sp	Q2TAC2	CCD57_HUMAN	Coiled-coil domain-containing protein 57	CCDC57
Not defined	sp	Q2TAK8	PWP3A_HUMAN	PWWP domain-containing DNA repair factor 3A	PWWP3A
Not defined	sp	Q2TAL8	QRIC1_HUMAN	Glutamine-rich protein 1	QRIC1
Not defined	sp	Q2TAV7	SMU1_HUMAN	WD40 repeat-containing protein SMU1	SMU1
Not defined	sp	Q2TV78	MST1L_HUMAN	Putative macrophage stimulating 1-like protein	MST1L
Not defined	sp	Q2VIR3	IF2GL_HUMAN	Eukaryotic translation initiation factor 2 subunit 3B	EIF2S3B
Not defined	sp	Q2VPB7	AP5B1_HUMAN	AP-5 complex subunit beta-1	AP5B1
Not defined	sp	Q2VWP7	PRTG_HUMAN	Protogenin	PRTG
Not defined	sp	Q2WGI9	FR1L6_HUMAN	Fer-1-like protein 6	FER1L6
Not defined	sp	Q2Y0W8	S4A8_HUMAN	Electroneutral sodium bicarbonate exchanger 1	SLC4A8
Not defined	sp	Q30201	HFE_HUMAN	Hereditary hemochromatosis protein	HFE
Not defined	sp	Q309B1	TR16L_HUMAN	Tripartite motif-containing protein 16-like protein	TRIM16L
Not defined	sp	Q32M45	ANO4_HUMAN	Anoctamin-4	ANO4
Not defined	sp	Q32M88	PGGHG_HUMAN	Protein-glucosylgalactosylhydroxylase glucosidase	PGGHG
Not defined	sp	Q32MK0	MYLK3_HUMAN	Myosin light chain kinase 3	MYLK3
Not defined	sp	Q32P28	P3H1_HUMAN	Prolyl 3-hydroxylase 1	P3H1
Not defined	sp	Q32P44	EMAL3_HUMAN	Echinoderm microtubule-associated protein-like 3	EML3
Not defined	sp	Q330K2	NDUF6_HUMAN	NADH dehydrogenase (ubiquinone) complex 1, assembly factor 6	NDUF6
Not defined	sp	Q385D2	LRRK1_HUMAN	Leucine-rich repeat serine/threonine-protein kinase 1	LRRK1
Not defined	sp	Q3KP66	INAVA_HUMAN	Innate immunity activator protein	INAVA
Not defined	sp	Q3KQU3	MAP7D1_HUMAN	MAP7 domain-containing protein 1	MAP7D1
Not defined	sp	Q3KQV3	ZNF792_HUMAN	Zinc finger protein 792	ZNF792
Not defined	sp	Q3KQV9	UAP1L_HUMAN	UDP-N-acetylhexosamine pyrophosphorylase-like protein 1	UAP1L1
Not defined	sp	Q3KR16	PKHG6_HUMAN	Pleckstrin homology domain-containing family G member 6	PLEKHG6
Not defined	sp	Q3KRA9	ALKB6_HUMAN	Alpha-ketoglutarate-dependent dioxygenase alkB homolog 6	ALKB6
Not defined	sp	Q3L8U1	CHD9_HUMAN	Chromodomain-helicase-DNA-binding protein 9	CHD9
Not defined	sp	Q3LIE5	ADPRM_HUMAN	Manganese-dependent ADP-ribose/CDP-alcohol diphosphatase	ADPRM
Not defined	sp	Q3LXA3	TKFC_HUMAN	Triokinase/FMN cyclase	TKFC
Not defined	sp	Q3MIP1	IPLI2_HUMAN	Inositol 1,4,5-trisphosphate receptor-interacting protein-like 2	ITPR1L2
Not defined	sp	Q3MIR4	CC50B_HUMAN	Cell cycle control protein 50B	TMEM30B
Not defined	sp	Q3MJ13	WDR72_HUMAN	WD repeat-containing protein 72	WDR72
Not defined	sp	Q3MJ16	PA24E_HUMAN	Cytosolic phospholipase A2 epsilon	PLA2G4E
Not defined	sp	Q3SY52	ZIK1_HUMAN	Zinc finger protein interacting with ribonucleoprotein K	ZIK1
Not defined	sp	Q3T8J9	GON4L_HUMAN	GON-4-like protein	GON4L
Not defined	sp	Q3V6T2	GRDN_HUMAN	Girdin	CCDC88A
Not defined	sp	Q3YEC7	RABL6_HUMAN	Rab-like protein 6	RABL6
Not defined	sp	Q3ZC08	TIM50_HUMAN	Mitochondrial import inner membrane translocase subunit TIM50	TIMM50
Not defined	sp	Q3ZCW2	LEGL_HUMAN	Galectin-related protein	LGALSL
Not defined	sp	Q495W5	FUT11_HUMAN	Alpha-(1,3)-fucosyltransferase 11	FUT11
Not defined	sp	Q495Y7	SPDE7_HUMAN	Putative speedy protein E7	SPDYE7P
Not defined	sp	Q49AR2	CE022_HUMAN	UPF0489 protein C5orf22	C5orf22
Not defined	sp	Q49B96	COX19_HUMAN	Cytochrome c oxidase assembly protein COX19	COX19
Not defined	sp	Q4AC99	1A1L2_HUMAN	Probable inactive 1-aminocyclopropane-1-carboxylate synthase-like protein 2	ACCSL
Not defined	sp	Q4G0F5	VP26B_HUMAN	Vacuolar protein sorting-associated protein 26B	VPS26B
Not defined	sp	Q4G0G2	H1FX-AS1_HUMAN	Putative uncharacterized protein H1FX-AS1	H1FX-AS1
Not defined	sp	Q4G0I0	C5MST1_HUMAN	Protein CCSMST1	CCSMST1
Not defined	sp	Q4G0J3	LARP7_HUMAN	La-related protein 7	LARP7
Not defined	sp	Q4G0U5	PCDP1_HUMAN	Cilia- and flagella-associated protein 221	CFAP221
Not defined	sp	Q4G1C9	GRPL2_HUMAN	GLIPR1-like protein 2	GLIPR1L2
Not defined	sp	Q4KMP7	TB10B_HUMAN	TBC1 domain family member 10B	TBC1D10B
Not defined	sp	Q4KMX7	F106A_HUMAN	Protein FAM106A	FAM106A
Not defined	sp	Q4KWH8	PLCH1_HUMAN	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase eta-1	PLCH1
Not defined	sp	Q4LE39	ARI4B_HUMAN	AT-rich interactive domain-containing protein 4B	ARID4B
Not defined	sp	Q4U2R6	RMS1_HUMAN	39S ribosomal protein L51, mitochondrial	MRPL51
Not defined	sp	Q4V321	GAG13_HUMAN	G antigen 13	GAGE13
Not defined	sp	Q4V326	GAG2E_HUMAN	G antigen 2E	GAGE2E
Not defined	sp	Q4V339	CBWD6_HUMAN	COBW domain-containing protein 6	CBWD6
Not defined	sp	Q4VC05	BCL7A_HUMAN	B-cell CLL/lymphoma 7 protein family member A	BCL7A
Not defined	sp	Q4VC44	FWCH1_HUMAN	FLYWCH-type zinc finger-containing protein 1	FLYWCH1
Not defined	sp	Q4VCS5	AMOT_HUMAN	Angiomotin	AMOT
Not defined	sp	Q4ZG55	GREB1_HUMAN	Protein GREB1	GREB1
Not defined	sp	Q4ZIN3	MBRL_HUMAN	Membralin	TMEM259
Not defined	sp	Q52LJ0	FA98B_HUMAN	Protein FAM98B	FAM98B
Not defined	sp	Q53EL6	PDCD4_HUMAN	Programmed cell death protein 4	PDCD4
Not defined	sp	Q53F19	NCBP3_HUMAN	Nuclear cap-binding protein subunit 3	NCBP3
Not defined	sp	Q53F39	MPPPE1_HUMAN	Metallophosphoesterase 1	MPPPE1
Not defined	sp	Q53FA7	QORX_HUMAN	Quinone oxidoreductase PIG3	TP53I3
Not defined	sp	Q53GA4	PHLA2_HUMAN	Pleckstrin homology-like domain family A member 2	PHLDA2
Not defined	sp	Q53GG5	PDLI3_HUMAN	PDZ and LIM domain protein 3	PDLIM3
Not defined	sp	Q53GQ0	DHB12_HUMAN	Very-long-chain 3-oxoacyl-CoA reductase	HSD17B12
Not defined	sp	Q53GS7	GLE1_HUMAN	Nucleoporin GLE1	GLE1
Not defined	sp	Q53GS9	SNUT2_HUMAN	U4/U6.U5 tri-snRNP-associated protein 2	USP39
Not defined	sp	Q53H12	AGK_HUMAN	Acylglycerol kinase, mitochondrial	AGK
Not defined	sp	Q53H96	P5CR3_HUMAN	Pyroline-5-carboxylate reductase 3	PYCR3
Not defined	sp	Q53HC5	KLH26_HUMAN	Kelch-like protein 26	KLHL26
Not defined	sp	Q53HC9	EIPR1_HUMAN	EARP and GARP complex-interacting protein 1	EIPR1
Not defined	sp	Q53S08	RAB6D_HUMAN	Ras-related protein Rab-6D	RAB6D
Not defined	sp	Q53S33	BOLA3_HUMAN	Bola-like protein 3	BOLA3
Not defined	sp	Q53SF7	COBL1_HUMAN	Cordon-bleu protein-like 1	COBL1
Not defined	sp	Q56VL3	OCAD2_HUMAN	OCIA domain-containing protein 2	OCIA2
Not defined	sp	Q58719	SFT2C_HUMAN	Vesicle transport protein SFT2C	SFT2D3
Not defined	sp	Q58EX7	PKHG4_HUMAN	Puratrophin-1	PLEKHG4
Not defined	sp	Q58F21	BRDT_HUMAN	Bromodomain testis-specific protein	BRDT
Not defined	sp	Q58FF3	ENPLL_HUMAN	Putative endoplasmic-like protein	HSP90B2P
Not defined	sp	Q58FG0	HS905_HUMAN	Putative heat shock protein HSP 90-alpha A5	HSP90AA5P
Not defined	sp	Q58HT5	AWAT1_HUMAN	Acyl-CoA wax alcohol acyltransferase 1	AWAT1
Not defined	sp	Q59GN2	R39L5_HUMAN	Putative 60S ribosomal protein L39-like 5	RPL39P5

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q5BKU9	OXLD1_HUMAN	Oxidoreductase-like domain-containing protein 1	OXLD1
Not defined	sp	Q5BKV9	F133B_HUMAN	Protein FAM133B	FAM133B
Not defined	sp	Q5BKZ1	ZN326_HUMAN	DBIRD complex subunit ZNF326	ZNF326
Not defined	sp	Q5CZC0	FSIP2_HUMAN	Fibrous sheath-interacting protein 2	FSIP2
Not defined	sp	Q5D862	FILA2_HUMAN	Filaggrin-2	FLG2
Not defined	sp	Q5DID0	UROL1_HUMAN	Uromodulin-like 1	UMODL1
Not defined	sp	Q5EBL4	RIP1L_HUMAN	RILP-like protein 1	RILP1
Not defined	sp	Q5EBL8	PDZ11_HUMAN	PDZ domain-containing protein 11	PDZD11
Not defined	sp	Q5EG05	CAR16_HUMAN	Caspase recruitment domain-containing protein 16	CARD16
Not defined	sp	Q5F1R6	DJC21_HUMAN	DnaJ homolog subfamily C member 21	DNAJC21
Not defined	sp	Q5FWF5	ESCO1_HUMAN	N-acetyltransferase ESCO1	ESCO1
Not defined	sp	Q5GH76	XKR4_HUMAN	XK-related protein 4	XKR4
Not defined	sp	Q5H8C1	FREM1_HUMAN	FRAS1-related extracellular matrix protein 1	FREM1
Not defined	sp	Q5H943	KKLC1_HUMAN	Kita-kyushu lung cancer antigen 1	CT83
Not defined	sp	Q5H9B9	BM2KL_HUMAN	Putative BMP-2-inducible kinase-like protein	BM2KL
Not defined	sp	Q5H9L2	TCAL5_HUMAN	Transcription elongation factor A protein-like 5	TCEAL5
Not defined	sp	Q5HY98	ZN766_HUMAN	Zinc finger protein 766	ZNF766
Not defined	sp	Q5HYJ1	TECRL_HUMAN	Trans-2,3-enoyl-CoA reductase-like	TECRL
Not defined	sp	Q5HYK3	COQ5_HUMAN	2-methoxy-6-polyprenyl-1,4-benzoquinol methylase, mitochondrial	COQ5
Not defined	sp	Q5HYK9	ZN667_HUMAN	Zinc finger protein 667	ZN667
Not defined	sp	Q5JNZ5	RS26L_HUMAN	Putative 40S ribosomal protein S26-like 1	RPS26P11
Not defined	sp	Q5JRA6	TGO1_HUMAN	Transport and Golgi organization protein 1 homolog	MA3
Not defined	sp	Q5JRX3	PREP_HUMAN	Presequence protease, mitochondrial	PITRM1
Not defined	sp	Q5JSS4	PSMG4_HUMAN	Proteasome assembly chaperone 4	PSMG4
Not defined	sp	Q5JSH3	WDR44_HUMAN	WD repeat-containing protein 44	WDR44
Not defined	sp	Q5JSL3	DOC11_HUMAN	Dedicator of cytokinesis protein 11	DOCK11
Not defined	sp	Q5J1J3	COA6_HUMAN	Cytochrome c oxidase assembly factor 6 homolog	COA6
Not defined	sp	Q5J1W2	CEP78_HUMAN	Centrosomal protein of 78 kDa	CEP78
Not defined	sp	Q5J1Y5	CBWD3_HUMAN	COBW domain-containing protein 3	CBWD3
Not defined	sp	Q5J1Z9	SYAM_HUMAN	Alanine-tRNA ligase, mitochondrial	AARS2
Not defined	sp	Q5JUR7	TEX30_HUMAN	Testis-expressed protein 30	TEX30
Not defined	sp	Q5JUX0	SPIN3_HUMAN	Spindlin-3	SPIN3
Not defined	sp	Q5JVF3	FRPD3_HUMAN	FERM and PDZ domain-containing protein 3	FRMPD3
Not defined	sp	Q5JVF3	PCID2_HUMAN	PCI domain-containing protein 2	PCID2
Not defined	sp	Q5JVG2	ZN484_HUMAN	Zinc finger protein 484	ZNF484
Not defined	sp	Q5JV50	HABP4_HUMAN	Intracellular hyaluronan-binding protein 4	HABP4
Not defined	sp	Q5JWR5	DOP1_HUMAN	Protein dopey-1	DOP1A
Not defined	sp	Q5M9Q1	NKAPL_HUMAN	NKAP-like protein	NKAPL
Not defined	sp	Q5MWC4	ZN569_HUMAN	Zinc finger protein 569	ZNF569
Not defined	sp	Q5MI27	P4R3B_HUMAN	Serine/threonine-protein phosphatase 4 regulatory subunit 3B	PPP4R3B
Not defined	sp	Q5MNMZ6	WIPI3_HUMAN	WD repeat domain phosphoinositide-interacting protein 3	WDR45B
Not defined	sp	Q5NDL2	EOGT_HUMAN	EGF domain-specific O-linked N-acetylglucosamine transferase	EOGT
Not defined	sp	Q5NEF16	CATL3_HUMAN	Putative inactive cathepsin L-like protein CTSL3P	CTSL3P
Not defined	sp	Q5QP82	DCA10_HUMAN	DDB1- and CUL4-associated factor 10	DCAF10
Not defined	sp	Q5R314	TTC38_HUMAN	Tetratricopeptide repeat protein 38	TTC38
Not defined	sp	Q5RI15	COX20_HUMAN	Cytochrome c oxidase assembly protein COX20, mitochondrial	COX20
Not defined	sp	Q5RIA9	CBWD5_HUMAN	COBW domain-containing protein 5	CBWD5
Not defined	sp	Q5SNV9	CA167_HUMAN	Uncharacterized protein C1orf167	C1orf167
Not defined	sp	Q5SQS8	CJ120_HUMAN	Uncharacterized protein C10orf120	C10orf120
Not defined	sp	Q5SRD0	WAC2D_HUMAN	WASH complex subunit 2D	WASHC2D
Not defined	sp	Q5SRE5	NU188_HUMAN	Nucleoporin NUP188 homolog	NUP188
Not defined	sp	Q5SRI9	MANEA_HUMAN	Glycoprotein endo-alpha-1,2-mannosidase	MANEA
Not defined	sp	Q5SSJ5	HP1B3_HUMAN	Heterochromatin protein 1-binding protein 3	HP1BP3
Not defined	sp	Q5SW79	CE170_HUMAN	Centrosomal protein of 170 kDa	CEP170
Not defined	sp	Q5SWA1	PR15B_HUMAN	Protein phosphatase 1 regulatory subunit 15B	PPP1R15B
Not defined	sp	Q5SWL7	PRA14_HUMAN	PRAME family member 14	PRAMEF14
Not defined	sp	Q5SXM8	DNLZ_HUMAN	DNL-type zinc finger protein	DNLZ
Not defined	sp	Q5SY16	NOL9_HUMAN	Polynucleotide 5'-hydroxyl-kinase NOL9	NOL9
Not defined	sp	Q5SYE7	NHSL1_HUMAN	NHS-like protein 1	NHSL1
Not defined	sp	Q5SZB4	CIO50_HUMAN	Uncharacterized protein C9orf50	C9orf50
Not defined	sp	Q5T013	HYL_HUMAN	Putative hydroxyppyruvate isomerase	HYL
Not defined	sp	Q5T0D9	TPRGL_HUMAN	Tumor protein p63-regulated gene 1-like protein	TPRGL1
Not defined	sp	Q5T0F9	C2D1B_HUMAN	Coiled-coil and C2 domain-containing protein 1B	CC2D1B
Not defined	sp	Q5T0N5	FBP1L_HUMAN	Formin-binding protein 1-like	FNBP1L
Not defined	sp	Q5T197	DCST1_HUMAN	E3 ubiquitin-protein ligase DCST1	DCST1
Not defined	sp	Q5T1M5	FKB15_HUMAN	FK506-binding protein 15	FKBP15
Not defined	sp	Q5T1R4	ZEP3_HUMAN	Transcription factor HIVEP3	HIVEP3
Not defined	sp	Q5T200	ZC3HD_HUMAN	Zinc finger CCCH domain-containing protein 13	ZC3H13
Not defined	sp	Q5T280	C1114_HUMAN	Putative methyltransferase C9orf114	SPOUT1
Not defined	sp	Q5T2T1	MPP7_HUMAN	MAGUK p55 subfamily member 7	MPP7
Not defined	sp	Q5T310	GPTC4_HUMAN	G patch domain-containing protein 4	GPATCH4
Not defined	sp	Q5T3J3	LRIF1_HUMAN	Ligand-dependent nuclear receptor-interacting factor 1	LRIF1
Not defined	sp	Q5T3U5	MRP7_HUMAN	Multidrug resistance-associated protein 7	ABCC10
Not defined	sp	Q5T4S7	UBR4_HUMAN	E3 ubiquitin-protein ligase UBR4	UBR4
Not defined	sp	Q5T5P2	SKT_HUMAN	Sickle tail protein homolog	KIAA1217
Not defined	sp	Q5T5U3	RHG21_HUMAN	Rho GTPase-activating protein 21	ARHGAP21
Not defined	sp	Q5T601	AGRF1_HUMAN	Adhesion G-protein coupled receptor F1	ADGRF1
Not defined	sp	Q5T655	CFA58_HUMAN	Cilia- and flagella-associated protein 58	CFAP58
Not defined	sp	Q5T6F2	UBAP2_HUMAN	Ubiquitin-associated protein 2	UBAP2
Not defined	sp	Q5T6V5	QSP_P_HUMAN	Queuosine salvage protein	C9orf64
Not defined	sp	Q5T6X5	GPC6A_HUMAN	G-protein coupled receptor family C group 6 member A	GPC6A
Not defined	sp	Q5T7B8	KIF24_HUMAN	Kinesin-like protein KIF24	KIF24
Not defined	sp	Q5T7M9	DIK1A_HUMAN	Divergent protein kinase domain 1A	DIPK1A
Not defined	sp	Q5T890	ER6L2_HUMAN	DNA excision repair protein ERCC-6-like 2	ERCC6L2
Not defined	sp	Q5T8D3	ACBD5_HUMAN	Acyl-CoA-binding domain-containing protein 5	ACBD5
Not defined	sp	Q5T8P6	RBM26_HUMAN	RNA-binding protein 26	RBM26
Not defined	sp	Q5T9A4	ATD3B_HUMAN	ATPase family AAA domain-containing protein 3B	ATAD3B
Not defined	sp	Q5TA81	LCE2C_HUMAN	Late cornified envelope protein 2C	LCE2C
Not defined	sp	Q5TA82	LCE2D_HUMAN	Late cornified envelope protein 2D	LCE2D
Not defined	sp	Q5TAA0	TTC22_HUMAN	Tetratricopeptide repeat protein 22	TTC22

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Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q5TAQ9	DCAF8_HUMAN	DDB1- and CUL4-associated factor 8	DCAF8
Not defined	sp	Q5TBA9	FRY_HUMAN	Protein furry homolog	FRY
Not defined	sp	Q5TBB1	RNH2B_HUMAN	Ribonuclease H2 subunit B	RNASEH2B
Not defined	sp	Q5TBK1	N42L1_HUMAN	NEDD4-binding protein 2-like 1	N4BP2L1
Not defined	sp	Q5TC12	ATPF1_HUMAN	ATP synthase mitochondrial F1 complex assembly factor 1	ATPAF1
Not defined	sp	Q5TCM9	LCE5A_HUMAN	Late cornified envelope protein 5A	LCE5A
Not defined	sp	Q5TCO9	MAGI3_HUMAN	Membrane-associated guanylate kinase, WW and PDZ domain-containing protein 3	MAGI3
Not defined	sp	Q5TCS8	KAD9_HUMAN	Adenylate kinase 9	AK9
Not defined	sp	Q5TCX8	M3K21_HUMAN	Mitogen-activated protein kinase kinase kinase 21	MAP3K21
Not defined	sp	Q5TDH0	DDI2_HUMAN	Protein DDI1 homolog 2	DDI2
Not defined	sp	Q5TDP6	LGSN_HUMAN	Lengsin	LGSN
Not defined	sp	Q5TEZ5	CF163_HUMAN	Uncharacterized protein C6orf163	C6orf163
Not defined	sp	Q5TFE4	NT5D1_HUMAN	5'-nucleotidase domain-containing protein 1	NT5DC1
Not defined	sp	Q5TGY3	AHDC1_HUMAN	AT-hook DNA-binding motif-containing protein 1	AHDC1
Not defined	sp	Q5TH69	BIG3_HUMAN	Brefeldin A-inhibited guanine nucleotide-exchange protein 3	ARFGEF3
Not defined	sp	Q5THK1	PR14L_HUMAN	Protein PRR14L	PRR14L
Not defined	sp	Q5U5U0	LYRM7_HUMAN	Complex III assembly factor LYRM7	LYRM7
Not defined	sp	Q5UCC4	EMC10_HUMAN	ER membrane protein complex subunit 10	EMC10
Not defined	sp	Q5VSG8	MANEL_HUMAN	Glycoprotein endo-alpha-1,2-mannosidase-like protein	MANEAL
Not defined	sp	Q5V779	AXA81_HUMAN	Annexin A8-like protein 1	ANXA8L1
Not defined	sp	Q5VTD9	GFI1B_HUMAN	Zinc finger protein Gfi-1b	GFI1B
Not defined	sp	Q5VTE6	ANGE2_HUMAN	Protein angel homolog 2	ANGEL2
Not defined	sp	Q5VTL8	PR38B_HUMAN	Pre-mRNA-splicing factor 38B	PRPF38B
Not defined	sp	Q5VTR2	BRE1A_HUMAN	E3 ubiquitin-protein ligase BRE1A	RNF20
Not defined	sp	Q5VTT2	C1135_HUMAN	Protein C9orf135	C9orf135
Not defined	sp	Q5VU43	MYOME_HUMAN	Myomegalin	PDE4DIP
Not defined	sp	Q5VU44	ZN318_HUMAN	Zinc finger protein 318	ZNF318
Not defined	sp	Q5VUM1	SDHF4_HUMAN	Succinate dehydrogenase assembly factor 4, mitochondrial	SDHAF4
Not defined	sp	Q5VV42	CDKAL_HUMAN	Threonylcarbamoyladenosine tRNA methyltransferase	CDKAL1
Not defined	sp	Q5VV67	PPRC1_HUMAN	Peroxisome proliferator-activated receptor gamma coactivator-related protein 1	PPRC1
Not defined	tr	Q5VVH2	Q5VVH2_HUMAN	Peptidylprolyl isomerase	FKBP1C
Not defined	sp	Q5VVM6	CCD30_HUMAN	Coiled-coil domain-containing protein 30	CCDC30
Not defined	sp	Q5VW32	BROX_HUMAN	BRO1 domain-containing protein BROX	BROX
Not defined	sp	Q5VWN6	TASO2_HUMAN	Protein TASOR 2	TASOR2
Not defined	sp	Q5VWQ8	DAB2P_HUMAN	Disabled homolog 2-interacting protein	DAB2IP
Not defined	sp	Q5VWX1	KHDRB2_HUMAN	KH domain-containing, RNA-binding, signal transduction-associated protein 2	KHDRB2
Not defined	sp	Q5VWZ2	LYPL1_HUMAN	Lyso-phospholipase-like protein 1	LYPLAL1
Not defined	sp	Q5VY15	MALR1_HUMAN	MAM and LDL-receptor class A domain-containing protein 1	MALRD1
Not defined	sp	Q5VYK3	ECM29_HUMAN	Proteasome adapter and scaffold protein ECM29	ECPAS
Not defined	sp	Q5VYM1	C1131_HUMAN	Uncharacterized protein C9orf131	C9orf131
Not defined	sp	Q5VY58	TUT7_HUMAN	Terminal uridylyltransferase 7	TUT7
Not defined	sp	Q5VZ03	NXNL2_HUMAN	Nucleoredoxin-like protein 2	NXNL2
Not defined	sp	Q5VZ46	K1614_HUMAN	Uncharacterized protein KIAA1614	KIAA1614
Not defined	sp	Q5VZF2	MBNL2_HUMAN	Muscleblind-like protein 2	MBNL2
Not defined	sp	Q5VZL5	ZMYM4_HUMAN	Zinc finger MYM-type protein 4	ZMYM4
Not defined	sp	Q5VZM2	RRAGB_HUMAN	Ras-related GTP-binding protein B	RRAGB
Not defined	sp	Q5W0A0	ERIC6B_HUMAN	Glutamate-rich protein 6B	ERIC6B
Not defined	sp	Q5W0Z9	ZDH20_HUMAN	Palmitoyltransferase ZDHHC20	ZDHHC20
Not defined	sp	Q5W111	SPRY7_HUMAN	SPRY domain-containing protein 7	SPRYD7
Not defined	sp	Q5XG92	EST4A_HUMAN	Carboxylesterase 4A	CES4A
Not defined	sp	Q5XKP0	MIC13_HUMAN	MICOS complex subunit MIC13	MICOS13
Not defined	sp	Q5XX13	FBW10_HUMAN	F-box/WD repeat-containing protein 10	FBXW10
Not defined	sp	Q5XXA6	ANO1_HUMAN	Anoctamin-1	ANO1
Not defined	sp	Q5ZPR3	CD276_HUMAN	CD276 antigen	CD276
Not defined	sp	Q629K1	TRIQK_HUMAN	Triple QxxK/R motif-containing protein	TRIQK
Not defined	sp	Q63HN8	RN213_HUMAN	E3 ubiquitin-protein ligase RNF213	RNF213
Not defined	sp	Q63HQ2	EGFLA_HUMAN	Pikachurin	EGFLAM
Not defined	sp	Q63ZY3	KANK2_HUMAN	KN motif and ankyrin repeat domain-containing protein 2	KANK2
Not defined	sp	Q641Q2	WAC2A_HUMAN	WASH complex subunit 2A	WASHC2A
Not defined	sp	Q658Y4	F91A1_HUMAN	Protein FAM91A1	FAM91A1
Not defined	sp	Q659C4	LAR1B_HUMAN	La-related protein 1B	LARP1B
Not defined	sp	Q66K64	DCA15_HUMAN	DDB1- and CUL4-associated factor 15	DCAF15
Not defined	sp	Q66K66	TM198_HUMAN	Transmembrane protein 198	TMEM198
Not defined	sp	Q66LE6	2ABD_HUMAN	Serine/threonine-protein phosphatase 2A55 kDa regulatory subunit B delta isoform	PPP2R2D
Not defined	sp	Q66BL8	OLM2B_HUMAN	Olfactomedin-like protein 2B	OLFM2B
Not defined	sp	Q68CK6	ACS2B_HUMAN	Acyl-coenzyme A synthetase ACSM2B, mitochondrial	ACSM2B
Not defined	sp	Q68CR7	LRRC66_HUMAN	Leucine-rich repeat-containing protein 66	LRRC66
Not defined	sp	Q68CZ1	FTM_HUMAN	Protein fantom	RPGRIP1L
Not defined	sp	Q68CZ6	HAUS3_HUMAN	HAUS augmin-like complex subunit 3	HAUS3
Not defined	sp	Q68D51	DEN2C_HUMAN	DENN domain-containing protein 2C	DENND2C
Not defined	sp	Q68D91	MBL2C_HUMAN	Metallo-beta-lactamase domain-containing protein 2	MBL2C
Not defined	sp	Q68D11	ZN776_HUMAN	Zinc finger protein 776	ZNF776
Not defined	sp	Q68E01	INT3_HUMAN	Integrator complex subunit 3	INTS3
Not defined	sp	Q68EM7	RHG17_HUMAN	Rho GTPase-activating protein 17	ARHGAP17
Not defined	sp	Q69YL0	NCA52_HUMAN	Protein NCBP2AS2	NCBP2AS2
Not defined	sp	Q69YN2	C19L1_HUMAN	CWF19-like protein 1	CWF19L1
Not defined	sp	Q69YQ0	CYTSA_HUMAN	Cytospin-A	SPECC1L
Not defined	sp	Q69YU5	CLO73_HUMAN	Uncharacterized protein C12orf73	C12orf73
Not defined	sp	Q6A14	SL9A4_HUMAN	Sodium/hydrogen exchanger 4	SLC9A4
Not defined	sp	Q6AWC2	WWC2_HUMAN	Protein WWC2	WWC2
Not defined	sp	Q6BCY4	NB5R2_HUMAN	NADH-cytochrome b5 reductase 2	CYB5R2
Not defined	sp	Q6DD88	ATL3_HUMAN	Atlastin-3	ATL3
Not defined	sp	Q6DHV7	ADAL_HUMAN	Adenosine deaminase-like protein	ADAL
Not defined	sp	Q6DK11	RL7L_HUMAN	60S ribosomal protein L7-like 1	RPL7L1
Not defined	sp	Q6DKK2	TTC19_HUMAN	Tetratricopeptide repeat protein 19, mitochondrial	TTC19
Not defined	sp	Q6DN90	IQEC1_HUMAN	IQ motif and SEC7 domain-containing protein 1	IQSEC1
Not defined	sp	Q6F5E8	CARL2_HUMAN	Capping protein, Arp2/3 and myosin-I linker protein 2	CARMIL2
Not defined	sp	Q6FI81	CPIN1_HUMAN	Anamorsin	CIAPIN1
Not defined	sp	Q6FIF0	ZFAN6_HUMAN	AN1-type zinc finger protein 6	ZFAND6
Not defined	sp	Q6GMR7	FAAH2_HUMAN	Fatty-acid amide hydrolase 2	FAAH2

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q6GMV2	SMYD5_HUMAN	SET and MYND domain-containing protein 5	SMYD5
Not defined	sp	Q6GMV3	PTRD1_HUMAN	Putative peptidyl-tRNA hydrolase PTRHD1	PTRHD1
Not defined	sp	Q6I9Y2	THOC7_HUMAN	THO complex subunit 7 homolog	THOC7
Not defined	sp	Q6IA69	NADE_HUMAN	Glutamine-dependent NAD(+) synthetase	NADSYN1
Not defined	sp	Q6IA86	ELP2_HUMAN	Elongator complex protein 2	ELP2
Not defined	sp	Q6IB50	TWF2_HUMAN	Twinfilin-2	TWF2
Not defined	sp	Q6ICB0	DES1_HUMAN	Desumoylating isopeptidase 1	DES1
Not defined	sp	Q6IEU7	OR5MA_HUMAN	Olfactory receptor 5M10	OR5M10
Not defined	sp	Q6IN84	MRM1_HUMAN	rRNA methyltransferase 1, mitochondrial	MRM1
Not defined	sp	Q6IN85	P4R3A_HUMAN	Serine/threonine-protein phosphatase 4 regulatory subunit 3A	PPP4R3A
Not defined	sp	Q6IPR1	ETFR1_HUMAN	Electron transfer flavoprotein regulatory factor 1	ETFR1
Not defined	sp	Q6IPX3	TCAL6_HUMAN	Transcription elongation factor A protein-like 6	TCEAL6
Not defined	sp	Q6IQ16	SPOPL_HUMAN	Speckle-type POZ protein-like	SPOPL
Not defined	sp	Q6IQ49	SDE2_HUMAN	Replication stress response regulator SDE2	SDE2
Not defined	sp	Q6ISB3	GRHL2_HUMAN	Grainyhead-like protein 2 homolog	GRHL2
Not defined	sp	Q6JEL2	KLH10_HUMAN	Kelch-like protein 10	KLHL10
Not defined	sp	Q6K0P9	IFIX_HUMAN	Pyrin and HIN domain-containing protein 1	PYHIN1
Not defined	sp	Q6L8Q7	PDE12_HUMAN	2',5'-phosphodiesterase 12	PDE12
Not defined	sp	Q6MZZ7	CAN13_HUMAN	Calpain-13	CAPN13
Not defined	sp	Q6N022	TEN4_HUMAN	Teneurin-4	TENM4
Not defined	sp	Q6N063	OGFD2_HUMAN	2-oxoglutarate and iron-dependent oxygenase domain-containing protein 2	OGFD2
Not defined	sp	Q6NSJ0	MYORG_HUMAN	Myogenesis-regulating glycosidase	MYORG
Not defined	sp	Q6NT46	GAG2A_HUMAN	G antigen 2A	GAGE2A
Not defined	sp	Q6NUK1	SCMC1_HUMAN	Calcium-binding mitochondrial carrier protein SCAAC-1	SLC25A24
Not defined	sp	Q6NUM6	TYW1B_HUMAN	S-adenosyl-L-methionine-dependent tRNA 4-demethylwyosine synthase TYW1B	TYW1B
Not defined	sp	Q6NUM9	RETSAT_HUMAN	All-trans-retinol 13,14-reductase	RETSAT
Not defined	sp	Q6NVY1	HIBCH_HUMAN	3-hydroxyisobutyryl-CoA hydrolase, mitochondrial	HIBCH
Not defined	sp	Q6NWD29	RWDD4_HUMAN	RWD domain-containing protein 4	RWDD4
Not defined	sp	Q6NXG1	ESRP1_HUMAN	Epithelial splicing regulatory protein 1	ESRP1
Not defined	sp	Q6NYC1	JMJD6_HUMAN	Bifunctional arginine demethylase and lysyl-hydroxylase JMJD6	JMJD6
Not defined	sp	Q6NYC8	PPR18_HUMAN	Phostensin	PPP1R18
Not defined	sp	Q6NZ63	STEAL_HUMAN	STEAP family member 1B	STEAP1B
Not defined	sp	Q6NZ67	MZT2B_HUMAN	Mitotic-spindle organizing protein 2B	MZT2B
Not defined	sp	Q6NZY4	ZCHC8_HUMAN	Zinc finger CCHC domain-containing protein 8	ZCCHC8
Not defined	sp	Q6NZY7	BORG3_HUMAN	Cdc42 effector protein 5	CDC42EP5
Not defined	sp	Q6P161	RM54_HUMAN	39S ribosomal protein L54, mitochondrial	MRPL54
Not defined	sp	Q6P179	ERAP2_HUMAN	Endoplasmic reticulum aminopeptidase 2	ERAP2
Not defined	sp	Q6P199	CDC73_HUMAN	Parafibromin	CDC73
Not defined	sp	Q6P1M3	RM14_HUMAN	39S ribosomal protein L14, mitochondrial	MRPL14
Not defined	sp	Q6P1M3	L2GL2_HUMAN	LLGL scribble cell polarity complex component 2	LLGL2
Not defined	sp	Q6P1N0	C2D1A_HUMAN	Coiled-coil and C2 domain-containing protein 1A	CC2D1A
Not defined	sp	Q6P1Q0	LETMD1_HUMAN	LETM1 domain-containing protein 1	LETMD1
Not defined	sp	Q6P1O9	MET2B_HUMAN	tRNA N(3)-methylcytidine methyltransferase METTL2B	METTL2B
Not defined	sp	Q6P1R4	DUS1L_HUMAN	tRNA-dihydrouridine(16/17) synthase [NAD(P)(+)]-like	DUS1L
Not defined	sp	Q6P1X6	CH082_HUMAN	UPF0598 protein C8orf82	C8orf82
Not defined	sp	Q6P2E9	EDC4_HUMAN	Enhancer of mRNA-decapping protein 4	EDC4
Not defined	sp	Q6P2I3	FAHD2B_HUMAN	Fumarylacetoacetate hydrolase domain-containing protein 2B	FAHD2B
Not defined	sp	Q6P2P2	ANM9_HUMAN	Protein arginine N-methyltransferase 9	PRMT9
Not defined	sp	Q6P2O9	PRP8_HUMAN	Pre-mRNA-processing-splicing factor 8	PRP8
Not defined	sp	Q6P2S7	TTC41_HUMAN	Putative tetratricopeptide repeat protein 41	TTC41P
Not defined	sp	Q6P3X8	PGBD2_HUMAN	PiggyBac transposable element-derived protein 2	PGBD2
Not defined	sp	Q6P4A8	PLBL1_HUMAN	Phospholipase B-like 1	PLBL1
Not defined	sp	Q6P4E1	CASC4_HUMAN	Protein CASC4	CASC4
Not defined	sp	Q6P4F2	FDX2_HUMAN	Ferredoxin-2, mitochondrial	FDX2
Not defined	sp	Q6P582	MZT2A_HUMAN	Mitotic-spindle organizing protein 2A	MZT2A
Not defined	sp	Q6P587	FAHD1_HUMAN	Acylpyruvase FAHD1, mitochondrial	FAHD1
Not defined	sp	Q6P597	KLC3_HUMAN	Kinesin light chain 3	KLC3
Not defined	sp	Q6P6C2	ALKB5_HUMAN	RNA demethylase ALKBH5	ALKBH5
Not defined	sp	Q6P9B6	MEAK7_HUMAN	MTOR-associated protein MEAK7	MEAK7
Not defined	sp	Q6PCB0	VWA1_HUMAN	von Willebrand factor A domain-containing protein 1	VWA1
Not defined	sp	Q6PCB5	RSBNL_HUMAN	Lysine-specific demethylase RSNL1	RSBNL1
Not defined	sp	Q6PCB8	EMB_HUMAN	Embigin	EMB
Not defined	sp	Q6PCT2	FXL19_HUMAN	F-box/LRR-repeat protein 19	FBXL19
Not defined	sp	Q6PD74	AAGAB_HUMAN	Alpha- and gamma-adaptin-binding protein p34	AAGAB
Not defined	sp	Q6PH81	CP087_HUMAN	UPF0547 protein C16orf87	C16orf87
Not defined	sp	Q6PI47	KCTD18_HUMAN	BTB/POZ domain-containing protein KCTD18	KCTD18
Not defined	sp	Q6PI48	SYDM_HUMAN	Aspartate-tRNA ligase, mitochondrial	DARS2
Not defined	sp	Q6PI78	TMM65_HUMAN	Transmembrane protein 65	TMM65
Not defined	sp	Q6PI97	CK088_HUMAN	UPF0722 protein C11orf88	C11orf88
Not defined	sp	Q6PID6	TTC33_HUMAN	Tetratricopeptide repeat protein 33	TTC33
Not defined	sp	Q6PIF6	MYO7B_HUMAN	Unconventional myosin-VIIB	MYO7B
Not defined	sp	Q6PII3	CC174_HUMAN	Coiled-coil domain-containing protein 174	CCDC174
Not defined	sp	Q6PIJ6	FBX38_HUMAN	F-box only protein 38	FBX38
Not defined	sp	Q6PIU2	NCEH1_HUMAN	Neutral cholesterol ester hydrolase 1	NCEH1
Not defined	sp	Q6PJG9	LRFN4_HUMAN	Leucine-rich repeat and fibronectin type-III domain-containing protein 4	LRFN4
Not defined	sp	Q6PK04	CC137_HUMAN	Coiled-coil domain-containing protein 137	CCDC137
Not defined	sp	Q6PK18	OGFD3_HUMAN	2-oxoglutarate and iron-dependent oxygenase domain-containing protein 3	OGFD3
Not defined	sp	Q6PKG0	LARP1_HUMAN	La-related protein 1	LARP1
Not defined	sp	Q6PKH6	DR4L2_HUMAN	Dehydrogenase/reductase SDR family member 4-like 2	DHRS4L2
Not defined	sp	Q6PL24	TMED8_HUMAN	Protein TMED8	TMED8
Not defined	sp	Q6Q759	SPG17_HUMAN	Sperm-associated antigen 17	SPAG17
Not defined	sp	Q6QNV0	BL1S3_HUMAN	Biogenesis of lysosome-related organelles complex 1 subunit 3	BLOC1S3
Not defined	sp	Q6RFH5	WDR74_HUMAN	WD repeat-containing protein 74	WDR74
Not defined	sp	Q6RI45	BRWD3_HUMAN	Bromodomain and WD repeat-containing protein 3	BRWD3
Not defined	sp	Q6RW13	ATRAP_HUMAN	Type-1 angiotensin II receptor-associated protein	AGTRAP
Not defined	sp	Q6S5L8	SHC4_HUMAN	SHC-transforming protein 4	SHC4
Not defined	sp	Q6ST5E	SMRD3_HUMAN	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 3	SMARD3
Not defined	sp	Q6TF13	CC171_HUMAN	Coiled-coil domain-containing protein 171	CCDC171
Not defined	sp	Q6UBZ8	MAP12_HUMAN	Methionine aminopeptidase 1D, mitochondrial	METAP1D
Not defined	sp	Q6UB99	ANR11_HUMAN	Ankyrin repeat domain-containing protein 11	ANKRD11

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q6UN15	FIP1_HUMAN	Pre-mRNA 3'-end-processing factor FIP1	FIP1L1
Not defined	sp	Q6UUV9	CRTC1_HUMAN	CREB-regulated transcription coactivator 1	CRTC1
Not defined	sp	Q6UW15	REG3G_HUMAN	Regenerating islet-derived protein 3-gamma	REG3G
Not defined	sp	Q6UW56	ARAID_HUMAN	All-trans retinoic acid-induced differentiation factor	ARAID
Not defined	sp	Q6UW63	PLGT2_HUMAN	Protein O-glucosyltransferase 2	POGLUT2
Not defined	sp	Q6UW68	TM205_HUMAN	Transmembrane protein 205	TMEM205
Not defined	sp	Q6UW78	UOCC3_HUMAN	Ubiquinol-cytochrome-c reductase complex assembly factor 3	UOCC3
Not defined	sp	Q6UWB1	I27RA_HUMAN	Interleukin-27 receptor subunit alpha	IL27RA
Not defined	sp	Q6UWE0	LRSM1_HUMAN	E3 ubiquitin-protein ligase LRSAM1	LRSAM1
Not defined	sp	Q6UWH4	GAK1B_HUMAN	Golgi-associated kinase 1B	GASK1B
Not defined	sp	Q6UWJ1	TMCO3_HUMAN	Transmembrane and coiled-coil domain-containing protein 3	TMCO3
Not defined	sp	Q6UWP2	DHR11_HUMAN	Dehydrogenase/reductase SDR family member 11	DHRS11
Not defined	sp	Q6UWS5	PT117_HUMAN	Protein PET117 homolog, mitochondrial	PET117
Not defined	sp	Q6UWU2	GLB1L_HUMAN	Beta-galactosidase-1-like protein	GLB1L
Not defined	sp	Q6UWV6	ENPP7_HUMAN	Ectonucleotide pyrophosphatase/phosphodiesterase family member 7	ENPP7
Not defined	sp	Q6UWX4	HIPL2_HUMAN	HHIP-iike protein 2	HHIPL2
Not defined	sp	Q6UWY0	ARSK_HUMAN	Arylsulfatase K	ARSK
Not defined	sp	Q6UX07	DHR13_HUMAN	Dehydrogenase/reductase SDR family member 13	DHRS13
Not defined	sp	Q6UX71	PXDC2_HUMAN	Plexin domain-containing protein 2	PLXDC2
Not defined	sp	Q6UXD5	SE6L2_HUMAN	Seizure 6-like protein 2	SEZ6L2
Not defined	sp	Q6UXF1	TM108_HUMAN	Transmembrane protein 108	TMEM108
Not defined	sp	Q6UXH1	CREL2_HUMAN	Protein disulfide isomerase CRELD2	CRELD2
Not defined	sp	Q6LXT9	ABH15_HUMAN	Protein ABHD15	ABHD15
Not defined	sp	Q6UY01	LRC31_HUMAN	Leucine-rich repeat-containing protein 31	LRRC31
Not defined	sp	Q6UY14	ATL4_HUMAN	ADAMTS-like protein 4	ADAMTSL4
Not defined	sp	Q6V017	FAT4_HUMAN	Protocadherin Fat 4	FAT4
Not defined	sp	Q6V1P9	PCD23_HUMAN	Protocadherin-23	DCHS2
Not defined	sp	Q6VEQ5	WASH2_HUMAN	WAS protein family homolog 2	WASH2P
Not defined	sp	Q6WKZ4	RFIP1_HUMAN	Rab11 family-interacting protein 1	RAB11FIP1
Not defined	sp	Q6WRI0	IGS10_HUMAN	Immunoglobulin superfamily member 10	IGSF10
Not defined	sp	Q6X9E4	FBW12_HUMAN	F-box/WD repeat-containing protein 12	FBXW12
Not defined	sp	Q6XE24	RBMS3_HUMAN	RNA-binding motif, single-stranded-interacting protein 3	RBMS3
Not defined	sp	Q6XQ66	PNCB_HUMAN	Nicotinate phosphoribosyltransferase	NAPRT
Not defined	sp	Q6XZF7	DNMBP_HUMAN	Dynamin-binding protein	DNMBP
Not defined	sp	Q6Y2X3	DJC14_HUMAN	DnaJ homolog subfamily C member 14	DNAJC14
Not defined	sp	Q6Y7W6	GGYF2_HUMAN	GRB10-interacting GYF protein 2	GIGYF2
Not defined	sp	Q6YN16	HSDL2_HUMAN	Hydroxysteroid dehydrogenase-like protein 2	HSDL2
Not defined	sp	Q6YV21	KAT3_HUMAN	Kynurenine-oxoglutarate transaminase 3	KYAT3
Not defined	sp	Q6ZMK1	CYHR1_HUMAN	Cysteine and histidine-rich protein 1	CYHR1
Not defined	sp	Q6ZMN8	CCN12_HUMAN	Cyclin-I2	CCN12
Not defined	sp	Q6ZMU1	C3P1_HUMAN	Putative protein C3P1	C3P1
Not defined	sp	Q6ZNA4	UNC5A_HUMAN	Netrin receptor UNC5A	UNC5A
Not defined	sp	Q6ZNS5	ZNF574_HUMAN	Zinc finger protein 574	ZNF574
Not defined	sp	Q6ZNB6	NFXL1_HUMAN	NF-X1-type zinc finger protein NFXL1	NFXL1
Not defined	sp	Q6ZNC4	ZNF704_HUMAN	Zinc finger protein 704	ZNF704
Not defined	sp	Q6ZNE9	RUFY4_HUMAN	RUN and FYVE domain-containing protein 4	RUFY4
Not defined	sp	Q6ZNI1	NBEL2_HUMAN	Neurobeachin-like protein 2	NBEAL2
Not defined	sp	Q6ZQ02	S31D1_HUMAN	Spermatogenesis-associated protein 31D1	SPATA31D1
Not defined	sp	Q6ZQ08	WDR87_HUMAN	WD repeat-containing protein 87	WDR87
Not defined	sp	Q6ZRO8	DYH12_HUMAN	Dynein heavy chain 12, axonemal	DNAH12
Not defined	sp	Q6ZRH7	CTSRG_HUMAN	Cation channel sperm-associated protein subunit gamma	CATSPERG
Not defined	sp	Q6ZRK6	CCD73_HUMAN	Coiled-coil domain-containing protein 73	CCDC73
Not defined	sp	Q6ZRP7	QSOX2_HUMAN	Sulphydryl oxidase 2	QSOX2
Not defined	sp	Q6ZRO5	MMS22_HUMAN	Protein MMS22-like	MMS22L
Not defined	sp	Q6ZRZ4	CI047_HUMAN	Uncharacterized protein C9orf47	C9orf47
Not defined	sp	Q6ZS81	WDFY4_HUMAN	WD repeat- and FYVE domain-containing protein 4	WDFY4
Not defined	sp	Q6ZS82	R9BP_HUMAN	Regulator of G-protein signaling 9-binding protein	RGS9BP
Not defined	sp	Q6ZS18	CA122_HUMAN	Uncharacterized protein C1orf122	C1orf122
Not defined	sp	Q6ZS25	ARHG1_HUMAN	Rho guanine nucleotide exchange factor 18	ARHGEF18
Not defined	sp	Q6ZT62	BGIN_HUMAN	Bargin	BARGIN
Not defined	sp	Q6ZTN6	AN13D_HUMAN	Ankyrin repeat domain-containing protein 13D	ANKRD13D
Not defined	sp	Q6ZTR5	CFA47_HUMAN	Cilia- and flagella-associated protein 47	CFAP47
Not defined	sp	Q6ZTR7	FA92B_HUMAN	Protein FAM92B	FAM92B
Not defined	sp	Q6ZU35	CRACD_HUMAN	Capping protein inhibiting regulator of actin dynamics	CRACD
Not defined	sp	Q6ZU64	CFA65_HUMAN	Cilia- and flagella-associated protein 65	CFAP65
Not defined	sp	Q6ZU69	F205A_HUMAN	Protein FAM205A	FAM205A
Not defined	sp	Q6ZUG5	YC006_HUMAN	Uncharacterized protein FLJ43738	-
Not defined	sp	Q6ZUI0	TPRG1_HUMAN	Tumor protein p63-regulated gene 1 protein	TPRG1
Not defined	sp	Q6ZUT1	NKAP1_HUMAN	Uncharacterized protein NKAP1	NKAP1
Not defined	sp	Q6ZUT9	DEN5B_HUMAN	DENN domain-containing protein 5B	DENND5B
Not defined	sp	Q6ZUV0	BACHL_HUMAN	Putative cytosolic acyl coenzyme A thioester hydrolase-like	ACOT7L
Not defined	sp	Q6ZV73	FGD6_HUMAN	FYVE, RhoGEF and PH domain-containing protein 6	FGD6
Not defined	sp	Q6ZVD7	STOX1_HUMAN	Storkhead-box protein 1	STOX1
Not defined	sp	Q6ZVL6	K154L_HUMAN	UPF0606 protein KIAA1549L	KIAA1549L
Not defined	sp	Q6ZVM7	TM1L2_HUMAN	TOM1-like protein 2	TOM1L2
Not defined	sp	Q6ZW33	MICLK_HUMAN	MICAL C-terminal-like protein	MICALCL
Not defined	sp	Q6ZWH5	NEK10_HUMAN	Serine/threonine-protein kinase Nek10	NEK10
Not defined	sp	Q6ZKV5	TMTC3_HUMAN	Protein O-mannosyl-transferase TMTC3	TMTC3
Not defined	sp	Q6ZYL4	TF2H5_HUMAN	General transcription factor IIH subunit 5	GTTF2H5
Not defined	sp	Q709C8	VP13C_HUMAN	Vacuolar protein sorting-associated protein 13C	VPS13C
Not defined	sp	Q709F0	ACD11_HUMAN	Acyl-CoA dehydrogenase family member 11	ACAD11
Not defined	sp	Q70EL1	UBP54_HUMAN	Inactive ubiquitin carboxyl-terminal hydrolase 54	USP54
Not defined	sp	Q70I99	UN13D_HUMAN	Protein unc-13 homolog D	UNC13D
Not defined	sp	Q70UQ0	IKIP_HUMAN	Inhibitor of nuclear factor kappa-B kinase-interacting protein	IKIP
Not defined	sp	Q712K3	UB2R2_HUMAN	Ubiquitin-conjugating enzyme E2 R2	UBE2R2
Not defined	sp	Q71UW5	RS27L_HUMAN	40S ribosomal protein S27-like	RPS27L
Not defined	sp	Q75LS8	FKB9L_HUMAN	Putative FK506-binding protein 9-like protein	FKBP9P1
Not defined	sp	Q75MW2	ZNF767_HUMAN	Protein ZNF767	ZNF767P
Not defined	sp	Q765P7	MTSS2_HUMAN	Protein MTSS2	MTSS2
Not defined	sp	Q76N89	HECW1_HUMAN	E3 ubiquitin-protein ligase HECW1	HECW1

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q7KYR7	BT2A1_HUMAN	Butyrophilin subfamily 2 member A1	BTN2A1
Not defined	sp	Q7KZ85	SPT6H_HUMAN	Transcription elongation factor SPT6	SUPT6H
Not defined	sp	Q7KZ99	COX15_HUMAN	Cytochrome c oxidase assembly protein COX15 homolog	COX15
Not defined	sp	Q7L014	DDX46_HUMAN	Probable ATP-dependent RNA helicase DDX46	DDX46
Not defined	sp	Q7L0Y3	TM10C_HUMAN	tRNA methyltransferase 10 homolog C	TRMT10C
Not defined	sp	Q7L112	SV2B_HUMAN	Synaptic vesicle glycoprotein 2B	SV2B
Not defined	sp	Q7L155	CHST9_HUMAN	Carbohydrate sulfotransferase 9	CHST9
Not defined	sp	Q7L1T6	NB5R4_HUMAN	Cytochrome b5 reductase 4	CYB5R4
Not defined	sp	Q7L1W4	LRC8D_HUMAN	Volume-regulated anion channel subunit LRC8D	LRC8D
Not defined	sp	Q7L266	ASGL1_HUMAN	Isoaspartyl peptidase/L-asparaginase	ASGL1
Not defined	sp	Q7L2E3	DHX30_HUMAN	ATP-dependent RNA helicase DHX30	DHX30
Not defined	sp	Q7L2H7	EIF3M_HUMAN	Eukaryotic translation initiation factor 3 subunit M	EIF3M
Not defined	sp	Q7L2J0	MEPCE_HUMAN	7SK snRNA methylphosphate capping enzyme	MEPCE
Not defined	sp	Q7L4I2	RSRC2_HUMAN	Arginine/serine-rich coiled-coil protein 2	RSRC2
Not defined	sp	Q7L523	RRAGA_HUMAN	Ras-related GTP-binding protein A	RRAGA
Not defined	sp	Q7L576	CYFP1_HUMAN	Cytoplasmic FMR1-interacting protein 1	CYFP1
Not defined	sp	Q7L592	NDUF7_HUMAN	Protein arginine methyltransferase NDUFA7, mitochondrial	NDUFA7
Not defined	sp	Q7L5D6	GET4_HUMAN	Golgi to ER traffic protein 4 homolog	GET4
Not defined	sp	Q7L5N7	PCAT2_HUMAN	Lysophosphatidylcholine acyltransferase 2	LPCAT2
Not defined	sp	Q7L775	EPMIP_HUMAN	EPM2A-interacting protein 1	EPM2AIP1
Not defined	sp	Q7L8J4	3BP5L_HUMAN	SH3 domain-binding protein 5-like	SH3BP5L
Not defined	sp	Q7L985	LIGO2_HUMAN	Leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 2	LIGO2
Not defined	sp	Q7L9L4	MOB1B_HUMAN	MOB kinase activator 1B	MOB1B
Not defined	sp	Q7LBR1	CHM1B_HUMAN	Charged multivesicular body protein 1b	CHMP1B
Not defined	sp	Q7LG56	RIR2B_HUMAN	Ribonucleoside-diphosphate reductase subunit M2 B	RRM2B
Not defined	sp	Q7LGA3	HS2ST_HUMAN	Heparan sulfate 2-O-sulfotransferase 1	HS2ST1
Not defined	sp	Q7LGC8	CHST3_HUMAN	Carbohydrate sulfotransferase 3	CHST3
Not defined	sp	Q7RTR2	NLRC3_HUMAN	NLR family CARD domain-containing protein 3	NLRC3
Not defined	sp	Q7RTV0	PHF5A_HUMAN	PHD finger-like domain-containing protein 5A	PHF5A
Not defined	sp	Q7RTV2	GSTA5_HUMAN	Glutathione S-transferase A5	GSTA5
Not defined	sp	Q7RTX9	MOT14_HUMAN	Monocarboxylate transporter 14	SLC16A14
Not defined	sp	Q7Z2K6	ERMP1_HUMAN	Endoplasmic reticulum metalloproteinase 1	ERMP1
Not defined	sp	Q7Z2Y8	GVIN1_HUMAN	Interferon-induced very large GTPase 1	GVINP1
Not defined	sp	Q7Z353	HDX_HUMAN	Highly divergent homeobox	HDX
Not defined	sp	Q7Z3B4	NUP54_HUMAN	Nucleoporin p54	NUP54
Not defined	sp	Q7Z3G6	PRICK2_HUMAN	Prickle-like protein 2	PRICKLE2
Not defined	sp	Q7Z3V4	UBE3B_HUMAN	Ubiquitin-protein ligase E3B	UBE3B
Not defined	sp	Q7Z3Z2	RD3_HUMAN	Protein RD3	RD3
Not defined	sp	Q7Z417	NUFIP2_HUMAN	Nuclear fragile X mental retardation-interacting protein 2	NUFIP2
Not defined	sp	Q7Z434	MAVS_HUMAN	Mitochondrial antiviral-signaling protein	MAVS
Not defined	sp	Q7Z460	CLAP1_HUMAN	CLIP-associating protein 1	CLASP1
Not defined	sp	Q7Z465	BNIP1_HUMAN	Bcl-2/adenovirus E1B 19 kDa-interacting protein 2-like protein	BNIP1
Not defined	sp	Q7Z4G1	COMMD6_HUMAN	COMMD domain-containing protein 6	COMMD6
Not defined	sp	Q7Z4G4	TRMT11_HUMAN	tRNA (guanine(10)-N2)-methyltransferase homolog	TRMT11
Not defined	sp	Q7Z4H3	HDDC2_HUMAN	5'-deoxynucleotidase HDDC2	HDDC2
Not defined	sp	Q7Z4H7	HAUS6_HUMAN	HAUS augmin-like complex subunit 6	HAUS6
Not defined	sp	Q7Z4H8	PLGT3_HUMAN	Protein O-glucosyltransferase 3	POGLUT3
Not defined	sp	Q7Z4N2	TRPM1_HUMAN	Transient receptor potential cation channel subfamily M member 1	TRPM1
Not defined	sp	Q7Z4P5	GDF7_HUMAN	Growth/differentiation factor 7	GDF7
Not defined	sp	Q7Z4S6	KIF21A_HUMAN	Kinesin-like protein KIF21A	KIF21A
Not defined	sp	Q7Z569	BRAP_HUMAN	BRCA1-associated protein	BRAP
Not defined	sp	Q7Z5K2	WAPL_HUMAN	Wings apart-like protein homolog	WAPL
Not defined	sp	Q7Z5P9	MUC19_HUMAN	Mucin-19	MUC19
Not defined	sp	Q7Z5V7	KCD20_HUMAN	BTB/POZ domain-containing protein KCD20	KCD20
Not defined	sp	Q7Z628	ARHG8_HUMAN	Neuroepithelial cell-transforming gene 1 protein	NET1
Not defined	sp	Q7Z6B0	CCD91_HUMAN	Coiled-coil domain-containing protein 91	CCDC91
Not defined	sp	Q7Z6E9	RBBP6_HUMAN	E3 ubiquitin-protein ligase RBBP6	RBBP6
Not defined	sp	Q7Z6G3	NECA2_HUMAN	N-terminal EF-hand calcium-binding protein 2	NECAB2
Not defined	sp	Q7Z6G8	ANS1B_HUMAN	Ankyrin repeat and sterile alpha motif domain-containing protein 1B	ANKS1B
Not defined	sp	Q7Z6K5	ARPIN_HUMAN	Arpin	ARPIN
Not defined	sp	Q7Z6L1	TCPR1_HUMAN	Tectonin beta-propeller repeat-containing protein 1	TECPR1
Not defined	sp	Q7Z6M1	RABEK_HUMAN	Rab9 effector protein with kelch motifs	RABEPK
Not defined	sp	Q7Z6V5	ADAT2_HUMAN	tRNA-specific adenosine deaminase 2	ADAT2
Not defined	sp	Q7Z6Z7	HUWE1_HUMAN	E3 ubiquitin-protein ligase HUWE1	HUWE1
Not defined	sp	Q7Z7B0	FLIP1_HUMAN	Filamin-A-interacting protein 1	FLIP1
Not defined	sp	Q7Z7D3	VTCN1_HUMAN	V-set domain-containing T-cell activation inhibitor 1	VTCN1
Not defined	sp	Q7Z7F0	KHDC4_HUMAN	KH homology domain-containing protein 4	KHDC4
Not defined	sp	Q7Z7G0	TARSH_HUMAN	Target of Nesh-SH3	ABI3BP
Not defined	sp	Q7Z7H8	RM10_HUMAN	39S ribosomal protein L10, mitochondrial	MRPL10
Not defined	sp	Q7Z7K0	COXM1_HUMAN	COX assembly mitochondrial protein homolog	CMC1
Not defined	sp	Q7Z7K6	CENPV_HUMAN	Centromere protein V	CENPV
Not defined	sp	Q7Z7N9	T179B_HUMAN	Transmembrane protein 179B	TMEM179B
Not defined	sp	Q865J2	AMIGO2_HUMAN	Amphoterin-induced protein 2	AMIGO2
Not defined	sp	Q86T03	PP4P1_HUMAN	Type 1 phosphatidylinositol 4,5-bisphosphate 4-phosphatase	PIP4P1
Not defined	sp	Q86T82	UBP37_HUMAN	Ubiquitin carboxyl-terminal hydrolase 37	USP37
Not defined	sp	Q86T90	K1328_HUMAN	Protein hinderin	KIAA1328
Not defined	sp	Q86TB3	ALPK2_HUMAN	Alpha-protein kinase 2	ALPK2
Not defined	sp	Q86TB9	PATL1_HUMAN	Protein PAT1 homolog 1	PATL1
Not defined	sp	Q86TI2	DPP9_HUMAN	Dipeptidyl peptidase 9	DPP9
Not defined	sp	Q86TM6	SYVN1_HUMAN	E3 ubiquitin-protein ligase synoviolin	SYVN1
Not defined	sp	Q86TN4	TRPT1_HUMAN	tRNA 2'-phosphotransferase 1	TRPT1
Not defined	sp	Q86TS9	RM52_HUMAN	39S ribosomal protein L52, mitochondrial	MRPL52
Not defined	sp	Q86TU7	SETD3_HUMAN	Actin-histidine N-methyltransferase	SETD3
Not defined	sp	Q86TX2	ACOT1_HUMAN	Acyl-coenzyme A thioesterase 1	ACOT1
Not defined	sp	Q86U06	RBM23_HUMAN	Probable RNA-binding protein 23	RBM23
Not defined	sp	Q86U28	ISCA2_HUMAN	Iron-sulfur cluster assembly 2 homolog, mitochondrial	ISCA2
Not defined	sp	Q86U38	NOP9_HUMAN	Nucleolar protein 9	NOP9
Not defined	sp	Q86U44	MTA70_HUMAN	N6-adenosine-methyltransferase catalytic subunit	METTL3
Not defined	sp	Q86U90	YRDC_HUMAN	YrdC domain-containing protein, mitochondrial	YRDC
Not defined	sp	Q86UC2	RSPH3_HUMAN	Radial spoke head protein 3 homolog	RSPH3

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q86UE8	TLK2_HUMAN	Serine/threonine-protein kinase tousled-like 2	TLK2
Not defined	sp	Q86UF2	CTGE6_HUMAN	ctTAGE family member 6	CTAGE6
Not defined	sp	Q86UG4	SO6A1_HUMAN	Solute carrier organic anion transporter family member 6A1	SLC06A1
Not defined	sp	Q86UL8	MAGI2_HUMAN	Membrane-associated guanylate kinase, WW and PDZ domain-containing protein 2	MAGI2
Not defined	sp	Q86UQ4	ABCAD_HUMAN	ATP-binding cassette sub-family A member 13	ABCA13
Not defined	sp	Q86UR1	NOXA1_HUMAN	NADPH oxidase activator 1	NOXA1
Not defined	sp	Q86UU0	BCL9L_HUMAN	B-cell CLL/lymphoma 9-like protein	BCL9L
Not defined	sp	Q86UV5	UBP48_HUMAN	Ubiquitin carboxyl-terminal hydrolase 48	USP48
Not defined	sp	Q86UW8	HPLN4_HUMAN	Hyaluronan and proteoglycan link protein 4	HAPLN4
Not defined	sp	Q86UY8	NT5D3_HUMAN	5'-nucleotidase domain-containing protein 3	NT5DC3
Not defined	sp	Q86UZ6	ZBT46_HUMAN	Zinc finger and BTB domain-containing protein 46	ZBTB46
Not defined	sp	Q86V15	CASZ1_HUMAN	Zinc finger protein castor homolog 1	CASZ1
Not defined	sp	Q86V21	AACS_HUMAN	Acetoacetyl-CoA synthetase	AACS
Not defined	sp	Q86V35	CABP7_HUMAN	Calcium-binding protein 7	CABP7
Not defined	sp	Q86V48	LUZP1_HUMAN	Leucine zipper protein 1	LUZP1
Not defined	sp	Q86V59	PNM8A_HUMAN	Paraneoplastic antigen-like protein 8A	PNM8A
Not defined	sp	Q86V88	MGDP1_HUMAN	Magnesium-dependent phosphatase 1	MDP1
Not defined	sp	Q86VD1	MORC1_HUMAN	MORC family CW-type zinc finger protein 1	MORC1
Not defined	sp	Q86VF2	IGFN1_HUMAN	Immunoglobulin-like and fibronectin type III domain-containing protein 1	IGFN1
Not defined	sp	Q86VI3	IQGA3_HUMAN	Ras GTPase-activating-like protein IQGAP3	IQGAP3
Not defined	sp	Q86VM9	ZCH18_HUMAN	Zinc finger CCH domain-containing protein 18	ZC3H18
Not defined	sp	Q86VP1	TAXB1_HUMAN	Tax1-binding protein 1	TAX1BP1
Not defined	sp	Q86VP6	CAND1_HUMAN	Cullin-associated NEDD8-dissociated protein 1	CAND1
Not defined	sp	Q86VR2	RETR3_HUMAN	Reticulophagy regulator 3	RETRG3
Not defined	sp	Q86VR8	FXJ1_HUMAN	Four-jointed box protein 1	FXJ1
Not defined	sp	Q86VS8	HOOK3_HUMAN	Protein Hook homolog 3	HOOK3
Not defined	sp	Q86VY4	TSYL5_HUMAN	Testis-specific Y-encoded-like protein 5	TSPLY5
Not defined	sp	Q86VZ2	WDR5B_HUMAN	WD repeat-containing protein 5B	WDR5B
Not defined	sp	Q86VZ4	LRP11_HUMAN	Low-density lipoprotein receptor-related protein 11	LRP11
Not defined	sp	Q86W28	NALP8_HUMAN	NACHT, LRR and PYD domains-containing protein 8	NLRP8
Not defined	sp	Q86W42	THOC6_HUMAN	THO complex subunit 6 homolog	THOC6
Not defined	sp	Q86WC4	OSTM1_HUMAN	Osteopetrosis-associated transmembrane protein 1	OSTM1
Not defined	sp	Q86W11	PKHL1_HUMAN	Fibrocystin-L	PKHD1L1
Not defined	sp	Q86WQ0	NR2CA_HUMAN	Nuclear receptor 2C2-associated protein	NR2C2AP
Not defined	sp	Q86WR0	CCD25_HUMAN	Coiled-coil domain-containing protein 25	CCD25
Not defined	sp	Q86WT6	TRI69_HUMAN	E3 ubiquitin-protein ligase TRIM69	TRIM69
Not defined	sp	Q86WU2	LDHD_HUMAN	Probable D-lactate dehydrogenase, mitochondrial	LDHD
Not defined	sp	Q86WX3	AROS_HUMAN	Active regulator of SIRT1	RPS19BP1
Not defined	sp	Q86WZ0	HEAT4_HUMAN	HEAT repeat-containing protein 4	HEATR4
Not defined	sp	Q86X29	LSR_HUMAN	Lipolysis-stimulated lipoprotein receptor	LSR
Not defined	sp	Q86X55	CARM1_HUMAN	Histone-arginine methyltransferase CARM1	CARM1
Not defined	sp	Q86XE0	SNX32_HUMAN	Sorting nexin-32	SNX32
Not defined	sp	Q86XP0	PA24D_HUMAN	Cytosolic phospholipase A2 delta	PLA2G4D
Not defined	sp	Q86XP3	DDX42_HUMAN	ATP-dependent RNA helicase DDX42	DDX42
Not defined	sp	Q86XR8	CEP57_HUMAN	Centrosomal protein of 57 kDa	CEP57
Not defined	sp	Q86XS8	GOLI_HUMAN	E3 ubiquitin-protein ligase RNF130	RNF130
Not defined	sp	Q86X79	TM219_HUMAN	Insulin-like growth factor-binding protein 3 receptor	TMEM219
Not defined	sp	Q86Y79	PTH_HUMAN	Probable peptidyl-tRNA hydrolase	PTRH1
Not defined	sp	Q86Y82	STX12_HUMAN	Syntaxin-12	STX12
Not defined	sp	Q86Y88	ERO1B_HUMAN	ERO1-like protein beta	ERO1B
Not defined	sp	Q86Y16	THNS2_HUMAN	Threonine synthase-like 2	THNSL2
Not defined	sp	Q86YQ8	CPNE8_HUMAN	Copine-8	CPNE8
Not defined	sp	Q86YR7	MF2L2_HUMAN	Probable guanine nucleotide exchange factor MCF2L2	MCF2L2
Not defined	sp	Q86YS3	RFIP4_HUMAN	Rab11 family-interacting protein 4	RAB11FIP4
Not defined	sp	Q86YS7	C2CD5_HUMAN	C2 domain-containing protein 5	C2CD5
Not defined	sp	Q86YT9	JAML_HUMAN	Junctional adhesion molecule-like	JAML
Not defined	sp	Q86YV6	MYLK4_HUMAN	Myosin light chain kinase family member 4	MYLK4
Not defined	sp	Q86YW9	MD12L_HUMAN	Mediator of RNA polymerase II transcription subunit 12-like protein	MED12L
Not defined	sp	Q86Y23	HORN_HUMAN	Hornerin	HRNR
Not defined	sp	Q8IU54	IFNL1_HUMAN	Interferon lambda-1	IFNL1
Not defined	sp	Q8IU89	CERS3_HUMAN	Ceramide synthase 3	CERS3
Not defined	sp	Q8IU02	RB612_HUMAN	ELKS/Rab6-interacting/CAST family member 1	ERC1
Not defined	sp	Q8IUE0	TF2LY_HUMAN	Homeobox protein TGIF2LY	TGIF2LY
Not defined	sp	Q8IUE1	TF2LX_HUMAN	Homeobox protein TGIF2LX	TGIF2LX
Not defined	sp	Q8IUF1	CBWD2_HUMAN	COBW domain-containing protein 2	CBWD2
Not defined	sp	Q8IUF8	RIOX2_HUMAN	Ribosomal oxygenase 2	RIOX2
Not defined	sp	Q8IUG5	MYO18B_HUMAN	Unconventional myosin-XVIIIb	MYO18B
Not defined	sp	Q8IUH5	ZDH17_HUMAN	Palmitoyltransferase ZDHHC17	ZDHHC17
Not defined	sp	Q8IUI8	CRLF3_HUMAN	Cytokine receptor-like factor 3	CRLF3
Not defined	sp	Q8IUW5	RELL1_HUMAN	REL-like protein 1	RELL1
Not defined	sp	Q8IUX4	ABC3F_HUMAN	DNA dC->dU-editing enzyme APOBEC-3F	APOBEC3F
Not defined	sp	Q8IUX7	AEBP1_HUMAN	Adipocyte enhancer-binding protein 1	AEBP1
Not defined	sp	Q8IUZ5	AT2L2_HUMAN	5-phosphohydroxy-L-lysine phospho-lyase	PHYKPL
Not defined	sp	Q8IV38	ANKY2_HUMAN	Ankyrin repeat and MYND domain-containing protein 2	ANKMY2
Not defined	sp	Q8IV50	LYSM2_HUMAN	LysM and putative peptidoglycan-binding domain-containing protein 2	LYSMD2
Not defined	sp	Q8IV56	PRR15_HUMAN	Proline-rich protein 15	PRR15
Not defined	sp	Q8IVD9	NUDC3_HUMAN	NudC domain-containing protein 3	NUDC3
Not defined	sp	Q8IVF2	AHNAK2_HUMAN	Protein AHNAK2	AHNAK2
Not defined	sp	Q8IVF5	TIAM2_HUMAN	T-lymphoma invasion and metastasis-inducing protein 2	TIAM2
Not defined	sp	Q8IVG5	SAM9L_HUMAN	Sterile alpha motif domain-containing protein 9-like	SAMD9L
Not defined	sp	Q8IVH8	M4K3_HUMAN	Mitogen-activated protein kinase kinase kinase 3	MAP4K3
Not defined	sp	Q8IVL0	NAV3_HUMAN	Neuron navigator 3	NAV3
Not defined	sp	Q8IVL1	NAV2_HUMAN	Neuron navigator 2	NAV2
Not defined	sp	Q8IVL5	P3H2_HUMAN	Prolyl 3-hydroxylase 2	P3H2
Not defined	sp	Q8IVL6	P3H3_HUMAN	Prolyl 3-hydroxylase 3	P3H3
Not defined	sp	Q8IVM0	CCD50_HUMAN	Coiled-coil domain-containing protein 50	CCD50
Not defined	sp	Q8IVP5	FUND1_HUMAN	FUN14 domain-containing protein 1	FUND1
Not defined	sp	Q8IVT2	MISP_HUMAN	Mitotic interactor and substrate of PLK1	MISP
Not defined	sp	Q8IVV2	LOXH1_HUMAN	Lipoxygenase homology domain-containing protein 1	LOXHD1
Not defined	sp	Q8IW19	APLF_HUMAN	Aprataxin and PNK-like factor	APLF

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q81W41	MAPK5_HUMAN	MAP kinase-activated protein kinase 5	MAPKAPK5
Not defined	sp	Q81W45	NNRD_HUMAN	ATP-dependent (S)-NAD(P)H-hydrate dehydratase	NAXD
Not defined	sp	Q81W92	GLBL2_HUMAN	Beta-galactosidase-1-like protein 2	GLBL12
Not defined	sp	Q81W93	ARHGJ_HUMAN	Rho guanine nucleotide exchange factor 19	ARHGEF19
Not defined	sp	Q81WA5	CTL2_HUMAN	Choline transporter-like protein 2	SLC44A2
Not defined	sp	Q81WA6	CCD60_HUMAN	Coiled-coil domain-containing protein 60	CCDC60
Not defined	sp	Q81WC1	MA7D3_HUMAN	MAP7 domain-containing protein 3	MAP7D3
Not defined	sp	Q81WE2	NXP20_HUMAN	Protein NOXP20	FAM114A1
Not defined	sp	Q81WI9	MGAP_HUMAN	MAX gene-associated protein	MGA
Not defined	sp	Q81WL3	HSC20_HUMAN	Iron-sulfur cluster co-chaperone protein HscB	HSCB
Not defined	sp	Q81WN7	RP1L1_HUMAN	Retinitis pigmentosa 1-like 1 protein	RP1L1
Not defined	sp	Q81WQ3	BRSK2_HUMAN	Serine/threonine-protein kinase BRSK2	BRSK2
Not defined	sp	Q81WS0	PHF6_HUMAN	PHD finger protein 6	PHF6
Not defined	sp	Q81WT0	ARCH_HUMAN	Protein archease	ZBTB80S
Not defined	sp	Q81WT3	CUL9_HUMAN	Cullin-9	CUL9
Not defined	sp	Q81WV7	UBR1_HUMAN	E3 ubiquitin-protein ligase UBR1	UBR1
Not defined	sp	Q81WX8	CHERP_HUMAN	Calcium homeostasis endoplasmic reticulum protein	CHERP
Not defined	sp	Q81WZ3	ANKH1_HUMAN	Ankyrin repeat and KH domain-containing protein 1	ANKHD1
Not defined	sp	Q81WZ5	TRI42_HUMAN	Tripartite motif-containing protein 42	TRIM42
Not defined	sp	Q81X03	KIBRA_HUMAN	Protein KIBRA	WWC1
Not defined	sp	Q81X04	UEVLD_HUMAN	Ubiquitin-conjugating enzyme E2 variant 3	UEVLD
Not defined	sp	Q81X12	CCAR1_HUMAN	Cell division cycle and apoptosis regulator protein 1	CCAR1
Not defined	sp	Q81X90	SKA3_HUMAN	Spindle and kinetochore-associated protein 3	SKA3
Not defined	sp	Q81XH7	NELFD_HUMAN	Negative elongation factor C/D	NELFCD
Not defined	sp	Q81XI1	MIRO2_HUMAN	Mitochondrial Rho GTPase 2	RHO2
Not defined	sp	Q81XJ6	SIR2_HUMAN	NAD-dependent protein deacetylase siruin-2	SIRT2
Not defined	sp	Q81XK2	GLT12_HUMAN	Polypeptide N-acetylgalactosaminyltransferase 12	GALNT12
Not defined	sp	Q81XL6	FA20C_HUMAN	Extracellular serine/threonine protein kinase FAM20C	FAM20C
Not defined	sp	Q81XL7	MSRB3_HUMAN	Methionine-R-sulfoxide reductase B3	MSRB3
Not defined	sp	Q81XM2	BAP18_HUMAN	Chromatin complexes subunit BAP18	BAP18
Not defined	sp	Q81XM3	RM41_HUMAN	39S ribosomal protein L41, mitochondrial	MRPL41
Not defined	sp	Q81XQ4	GPAM1_HUMAN	GPALPP motifs-containing protein 1	GPALPP1
Not defined	sp	Q81XS2	DRC2_HUMAN	Dynein regulatory complex subunit 2	CCDC65
Not defined	sp	Q81XT5	RB12B_HUMAN	RNA-binding protein 12B	RBM12B
Not defined	sp	Q81XZ3	SP8_HUMAN	Transcription factor Sp8	SP8
Not defined	sp	Q81Y18	SMC5_HUMAN	Structural maintenance of chromosomes protein 5	SMC5
Not defined	sp	Q81Y37	DHX37_HUMAN	Probable ATP-dependent RNA helicase DHX37	DHX37
Not defined	sp	Q81Y49	PAQRA_HUMAN	Monocyte to macrophage differentiation factor 2	MMD2
Not defined	sp	Q81Y57	YAF2_HUMAN	YY1-associated factor 2	YAF2
Not defined	sp	Q81YB5	SMAP1_HUMAN	Stromal membrane-associated protein 1	SMAP1
Not defined	sp	Q81YB8	SUV3_HUMAN	ATP-dependent RNA helicase SUPV3L1, mitochondrial	SUPV3L1
Not defined	sp	Q81YD8	FANCM_HUMAN	Fanconi anemia group M protein	FANCM
Not defined	sp	Q81YE0	CC146_HUMAN	Coiled-coil domain-containing protein 146	CCDC146
Not defined	sp	Q81YJ1	CPNE9_HUMAN	Copine-9	CPNE9
Not defined	sp	Q81YJ3	SYTL1_HUMAN	Synaptotagmin-like protein 1	SYTL1
Not defined	sp	Q81YK4	GT252_HUMAN	Procollagen galactosyltransferase 2	COLGALT2
Not defined	sp	Q81YK8	REM2_HUMAN	GTP-binding protein REM 2	REM2
Not defined	sp	Q81YL3	CA174_HUMAN	UPF0688 protein C1orf174	C1orf174
Not defined	sp	Q81YS1	P20D2_HUMAN	Peptidase M20 domain-containing protein 2	PM20D2
Not defined	sp	Q81YS2	K2013_HUMAN	Uncharacterized protein KIAA2013	KIAA2013
Not defined	sp	Q81Z21	PHAR4_HUMAN	Phosphatase and actin regulator 4	PHACTR4
Not defined	sp	Q81Z52	CHSS2_HUMAN	Chondroitin sulfate synthase 2	CHPF
Not defined	sp	Q81Z83	A16A1_HUMAN	Aldehyde dehydrogenase family 16 member A1	ALDH16A1
Not defined	sp	Q81ZAO	K319L_HUMAN	Dyslexia-associated protein KIAA0319-like protein	KIAA0319L
Not defined	sp	Q81ZC7	ZN101_HUMAN	Zinc finger protein 101	ZNF101
Not defined	sp	Q81ZD4	DCP1B_HUMAN	mRNA-decapping enzyme 1B	DCP1B
Not defined	sp	Q81ZD9	DOCK3_HUMAN	Dedicator of cytokinesis protein 3	DOCK3
Not defined	sp	Q81ZH2	XRN1_HUMAN	5'-3' exoribonuclease 1	XRN1
Not defined	sp	Q81ZK6	MCLN2_HUMAN	Mucolipin-2	MCOLN2
Not defined	sp	Q81ZL8	PELP1_HUMAN	Proline-, glutamic acid- and leucine-rich protein 1	PELP1
Not defined	sp	Q81ZL9	CDK20_HUMAN	Cyclin-dependent kinase 20	CDK20
Not defined	sp	Q81ZM9	S38A6_HUMAN	Probable sodium-coupled neutral amino acid transporter 6	SLC38A6
Not defined	sp	Q81ZP0	ABI1_HUMAN	Abl interactor 1	ABI1
Not defined	sp	Q81ZQ5	SELH_HUMAN	Selenoprotein H	SELENOH
Not defined	sp	Q81ZS5	OFCC1_HUMAN	Orofacial cleft 1 candidate gene 1 protein	OFCC1
Not defined	sp	Q81ZT6	ASPM_HUMAN	Abnormal spindle-like microcephaly-associated protein	ASPM
Not defined	sp	Q81ZU1	FAM9A_HUMAN	Protein FAM9A	FAM9A
Not defined	sp	Q81ZX4	TAF1L_HUMAN	Transcription initiation factor TFIID subunit 1-like	TAF1L
Not defined	sp	Q81ZY2	ABCA7_HUMAN	Phospholipid-transporting ATPase ABCA7	ABCA7
Not defined	sp	Q8N0S2	SYCE1_HUMAN	Synaptonemal complex central element protein 1	SYCE1
Not defined	sp	Q8N0S6	CENPL_HUMAN	Centromere protein L	CENPL
Not defined	sp	Q8N0T1	RBIS_HUMAN	Ribosomal biogenesis factor	RBIS
Not defined	sp	Q8N0V4	LG12_HUMAN	Leucine-rich repeat LG1 family member 2	LG12
Not defined	sp	Q8N0X4	CLYBL_HUMAN	Citramalyl-CoA lyase, mitochondrial	CLYBL
Not defined	sp	Q8N0Z9	VS110_HUMAN	V-set and immunoglobulin domain-containing protein 10	VSIG10
Not defined	sp	Q8N108	MIER1_HUMAN	Mesoderm induction early response protein 1	MIER1
Not defined	sp	Q8N111	CEND_HUMAN	Cell cycle exit and neuronal differentiation protein 1	CEND1
Not defined	sp	Q8N128	F177A_HUMAN	Protein FAM177A1	FAM177A1
Not defined	sp	Q8N129	CNPY4_HUMAN	Protein canopy homolog 4	CNPY4
Not defined	sp	Q8N142	PURA1_HUMAN	Adenylosuccinate synthetase isozyme 1	ADSS1
Not defined	sp	Q8N157	AH1_HUMAN	Joubertin	AH1
Not defined	sp	Q8N163	CCAR2_HUMAN	Cell cycle and apoptosis regulator protein 2	CCAR2
Not defined	sp	Q8N196	SIX5_HUMAN	Homeobox protein SIX5	SIX5
Not defined	sp	Q8N1B4	VPS52_HUMAN	Vacuolar protein sorting-associated protein 52 homolog	VPS52
Not defined	sp	Q8N1D0	BWR1B_HUMAN	Beckwith-Wiedemann syndrome chromosomal region 1 candidate gene B protein	SLC22A18AS
Not defined	sp	Q8N1F7	NUP93_HUMAN	Nuclear pore complex protein Nup93	NUP93
Not defined	sp	Q8N1F8	S11IP_HUMAN	Serine/threonine-protein kinase 11-interacting protein	STK11IP
Not defined	sp	Q8N1G2	CMTR1_HUMAN	Cap-specific mRNA (nucleoside-2'-O)-methyltransferase 1	CMTR1
Not defined	sp	Q8N1G4	LRC47_HUMAN	Leucine-rich repeat-containing protein 47	LRC47
Not defined	sp	Q8N1H7	S60S1_HUMAN	Protein SIX60S1	SIX60S1

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q8N1I0	DOCK4_HUMAN	Dedicator of cytokinesis protein 4	DOCK4
Not defined	sp	Q8N1M1	BEST3_HUMAN	Bestrophin-3	BEST3
Not defined	sp	Q8N1Q1	CAH13_HUMAN	Carbonic anhydrase 13	CA13
Not defined	sp	Q8N1W1	ARG28_HUMAN	Rho guanine nucleotide exchange factor 28	ARGGEF28
Not defined	sp	Q8N201	INT1_HUMAN	Integrator complex subunit 1	INTS1
Not defined	sp	Q8N283	ANR35_HUMAN	Ankyrin repeat domain-containing protein 35	ANKRD35
Not defined	sp	Q8N2F6	ARM10_HUMAN	Armadillo repeat-containing protein 10	ARMC10
Not defined	sp	Q8N2I9	STK40_HUMAN	Serine/threonine-protein kinase 40	STK40
Not defined	sp	Q8N2M8	CLASR_HUMAN	CLK4-associating serine/arginine rich protein	CLASRP
Not defined	sp	Q8N2Q7	NLGN1_HUMAN	Neuroigin-1	NLGN1
Not defined	sp	Q8N2R0	OSR2_HUMAN	Protein odd-skipped-related 2	OSR2
Not defined	sp	Q8N2S1	LTBP4_HUMAN	Latent-transforming growth factor beta-binding protein 4	LTBP4
Not defined	sp	Q8N2U0	TM256_HUMAN	Transmembrane protein 256	TMEM256
Not defined	sp	Q8N2Z9	CENP5_HUMAN	Centromere protein 5	CENP5
Not defined	sp	Q8N3C0	ASCC3_HUMAN	Activating signal cointegrator 1 complex subunit 3	ASCC3
Not defined	sp	Q8N3D4	EH1L1_HUMAN	EH domain-binding protein 1-like protein 1	EHBP1L1
Not defined	sp	Q8N3F8	MILK1_HUMAN	MICAL-like protein 1	MICAL1
Not defined	sp	Q8N3J6	CADM2_HUMAN	Cell adhesion molecule 2	CADM2
Not defined	sp	Q8N3K9	CMYA5_HUMAN	Cardiomyopathy-associated protein 5	CMYA5
Not defined	sp	Q8N3L3	TXLNB_HUMAN	Beta-taxilin	TXLNB
Not defined	sp	Q8N3P4	VPS8_HUMAN	Vacuolar protein sorting-associated protein 8 homolog	VPS8
Not defined	sp	Q8N3R9	MPP5_HUMAN	MAGUK p55 subfamily member 5	MPP5
Not defined	sp	Q8N3T6	T132C_HUMAN	Transmembrane protein 132C	TMEM132C
Not defined	sp	Q8N3X1	FNBP4_HUMAN	Formin-binding protein 4	FNBP4
Not defined	sp	Q8N475	FSTL5_HUMAN	Follistatin-related protein 5	FSTL5
Not defined	sp	Q8N4A0	GALT4_HUMAN	Polypeptide N-acetylgalactosaminyltransferase 4	GALNT4
Not defined	sp	Q8N4H5	TOM5_HUMAN	Mitochondrial import receptor subunit TOM5 homolog	TOMM5
Not defined	sp	Q8N4J0	CARME_HUMAN	Carnosine N-methyltransferase	CARNMT1
Not defined	sp	Q8N4Q0	PTGR3_HUMAN	Prostaglandin reductase 3	ZADH2
Not defined	sp	Q8N4T8	CBR4_HUMAN	Carbonyl reductase family member 4	CBR4
Not defined	sp	Q8N4V1	MMGT1_HUMAN	Membrane magnesium transporter 1	MMGT1
Not defined	sp	Q8N543	OGFD1_HUMAN	Prolyl 3-hydroxylase OGFOD1	OGFOD1
Not defined	sp	Q8N554	ZN276_HUMAN	Zinc finger protein 276	ZNF276
Not defined	sp	Q8N5F7	NKAP_HUMAN	NF-kappa-B-activating protein	NKAP
Not defined	sp	Q8N5G0	SIM20_HUMAN	Small integral membrane protein 20	SIMM20
Not defined	sp	Q8N5I2	ARRD1_HUMAN	Arrestin domain-containing protein 1	ARRDC1
Not defined	sp	Q8N5I9	CLO45_HUMAN	Uncharacterized protein C12orf45	C12orf45
Not defined	sp	Q8N5K1	CISD2_HUMAN	CDGSH iron-sulfur domain-containing protein 2	CISD2
Not defined	sp	Q8N5L8	RP25L_HUMAN	Ribonuclease P protein subunit p25-like protein	RPP25L
Not defined	sp	Q8N5M4	TTC9C_HUMAN	Tetratricopeptide repeat protein 9C	TTC9C
Not defined	sp	Q8N5P1	ZC3H8_HUMAN	Zinc finger CCCH domain-containing protein 8	ZC3H8
Not defined	sp	Q8N5R6	CCD33_HUMAN	Coiled-coil domain-containing protein 33	CCDC33
Not defined	sp	Q8N668	COMD1_HUMAN	COMM domain-containing protein 1	COMMD1
Not defined	sp	Q8N6G2	TEX26_HUMAN	Testis-expressed protein 26	TEX26
Not defined	sp	Q8N6G5	CGAT2_HUMAN	Chondroitin sulfate N-acetylgalactosaminyltransferase 2	CSGALNACT2
Not defined	sp	Q8N6H7	ARFG2_HUMAN	ADP-ribosylation factor GTPase-activating protein 2	ARFGAP2
Not defined	sp	Q8N6K7	SAMD3_HUMAN	Sterile alpha motif domain-containing protein 3	SAMD3
Not defined	sp	Q8N6M0	OTU6B_HUMAN	Deubiquitinase OTUD6B	OTUD6B
Not defined	sp	Q8N6N3	CAO52_HUMAN	UPF0690 protein C1orf52	C1orf52
Not defined	sp	Q8N6N7	ACBD7_HUMAN	Acyl-CoA-binding domain-containing protein 7	ACBD7
Not defined	sp	Q8N6T3	ARFG1_HUMAN	ADP-ribosylation factor GTPase-activating protein 1	ARFGAP1
Not defined	sp	Q8N6T7	SIRT6_HUMAN	NAD-dependent protein deacetylase sirtuin-6	SIRT6
Not defined	sp	Q8N720	ZN655_HUMAN	Zinc finger protein 655	ZNF655
Not defined	sp	Q8N752	KC1AL_HUMAN	Casein kinase I isoform alpha-like	CSNK1A1L
Not defined	sp	Q8N766	EMC1_HUMAN	ER membrane protein complex subunit 1	EMC1
Not defined	sp	Q8N7A1	KLDC1_HUMAN	Kelch domain-containing protein 1	KLHDC1
Not defined	sp	Q8N7B9	EFCB3_HUMAN	EF-hand calcium-binding domain-containing protein 3	EFCAB3
Not defined	sp	Q8N7E2	CBLL2_HUMAN	E3 ubiquitin-protein ligase CBLL2	CBLL2
Not defined	sp	Q8N7H5	PAF1_HUMAN	RNA polymerase II-associated factor 1 homolog	PAF1
Not defined	sp	Q8N7K0	ZN433_HUMAN	Zinc finger protein 433	ZNF433
Not defined	sp	Q8N7X1	RMXL3_HUMAN	RNA-binding motif protein, X-linked-like-3	RBMXL3
Not defined	sp	Q8N806	UBR7_HUMAN	Putative E3 ubiquitin-protein ligase UBR7	UBR7
Not defined	sp	Q8N841	TTL6_HUMAN	Tubulin polyglutamylase TTL6	TTL6
Not defined	sp	Q8N878	FRMD1_HUMAN	FERM domain-containing protein 1	FRMD1
Not defined	sp	Q8N884	CGAS_HUMAN	Cyclic GMP-AMP synthase	CGAS
Not defined	sp	Q8N895	ZN366_HUMAN	Zinc finger protein 366	ZNF366
Not defined	sp	Q8N8A2	ANR44_HUMAN	Serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit B	ANKRD44
Not defined	sp	Q8N8E3	CE112_HUMAN	Centrosomal protein of 112 kDa	CEP112
Not defined	sp	Q8N8J7	F241A_HUMAN	Uncharacterized protein FAM241A	FAM241A
Not defined	sp	Q8N8N7	PTGR2_HUMAN	Prostaglandin reductase 2	PTGR2
Not defined	sp	Q8N8S7	ENAH_HUMAN	Protein enabled homolog	ENAH
Not defined	sp	Q8N8V2	GBP7_HUMAN	Guanylate-binding protein 7	GBP7
Not defined	sp	Q8N9B5	JMY_HUMAN	Junction-mediating and -regulatory protein	JMY
Not defined	sp	Q8N9E0	F133A_HUMAN	Protein FAM133A	FAM133A
Not defined	sp	Q8N9H8	MUT7_HUMAN	Exonuclease mut-7 homolog	EXD3
Not defined	sp	Q8N9I0	SYT2_HUMAN	Synaptotagmin-2	SYT2
Not defined	sp	Q8N9N2	ASCC1_HUMAN	Activating signal cointegrator 1 complex subunit 1	ASCC1
Not defined	sp	Q8N9N7	LRC57_HUMAN	Leucine-rich repeat-containing protein 57	LRRC57
Not defined	sp	Q8N9T8	KRI1_HUMAN	Protein KRI1 homolog	KRI1
Not defined	sp	Q8N9V7	TOP21_HUMAN	Protein TOPAZ1	TOPAZ1
Not defined	sp	Q8N9W4	GG6L2_HUMAN	Golgin subfamily A member 6-like protein 2	GOLGA6L2
Not defined	sp	Q8N9Y4	F181A_HUMAN	Protein FAM181A	FAM181A
Not defined	sp	Q8NA03	FSIP1_HUMAN	Fibrous sheath-interacting protein 1	FSIP1
Not defined	sp	Q8NA19	LMBL4_HUMAN	Lethal(3)malignant brain tumor-like protein 4	L3MBTL4
Not defined	sp	Q8NA47	CCD63_HUMAN	Coiled-coil domain-containing protein 63	CCDC63
Not defined	sp	Q8NA70	FA47B_HUMAN	Protein FAM47B	FAM47B
Not defined	sp	Q8NA72	POC5_HUMAN	Centrosomal protein POC5	POC5
Not defined	sp	Q8NAP3	ZBT38_HUMAN	Zinc finger and BTB domain-containing protein 38	ZBTB38
Not defined	sp	Q8NAT2	TDRD5_HUMAN	Tudor domain-containing protein 5	TDRD5
Not defined	sp	Q8NAV1	PR38A_HUMAN	Pre-mRNA-splicing factor 38A	PRPF38A

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q8NB25	F184A_HUMAN	Protein FAM184A	FAM184A
Not defined	sp	Q8NB37	GALD1_HUMAN	Glutamine amidotransferase-like class 1 domain-containing protein 1	GATD1
Not defined	sp	Q8NB90	AFG2H_HUMAN	ATPase family protein 2 homolog	SPATA5
Not defined	sp	Q8NBF2	NHLC2_HUMAN	NHL repeat-containing protein 2	NHLRC2
Not defined	sp	Q8NB16	XXLT1_HUMAN	Xyloside xylosyltransferase 1	XXYL1
Not defined	sp	Q8NB14	GOLM1_HUMAN	Golgi membrane protein 1	GOLM1
Not defined	sp	Q8NBK3	SUMF1_HUMAN	Formylglycine-generating enzyme	SUMF1
Not defined	sp	Q8NBL1	PGLT1_HUMAN	Protein O-glucosyltransferase 1	POGLUT1
Not defined	sp	Q8NBM8	PCYXL_HUMAN	Prenylcysteine oxidase-like	PCYOX1L
Not defined	sp	Q8NBN3	TM87A_HUMAN	Transmembrane protein 87A	TMEM87A
Not defined	sp	Q8NBN7	RDH13_HUMAN	Retinol dehydrogenase 13	RDH13
Not defined	sp	Q8NBP5	MFS9_HUMAN	Major facilitator superfamily domain-containing protein 9	MFS9
Not defined	sp	Q8NBP7	PCSK9_HUMAN	Proprotein convertase subtilisin/kexin type 9	PCSK9
Not defined	sp	Q8NBQ5	DHB11_HUMAN	Estradiol 17-beta-dehydrogenase 11	HSD17B11
Not defined	sp	Q8NB72	SPC24_HUMAN	Kinetochore protein Spc24	SPC24
Not defined	sp	Q8NBX0	SCPD1_HUMAN	Saccharopine dehydrogenase-like oxidoreductase	SCCPDH
Not defined	sp	Q8NBZ7	UXS1_HUMAN	UDP-glucuronic acid decarboxylase 1	UXS1
Not defined	sp	Q8NC42	RNF149_HUMAN	E3 ubiquitin-protein ligase RNF149	RNF149
Not defined	sp	Q8NCA5	FA98A_HUMAN	Protein FAM98A	FAM98A
Not defined	sp	Q8NCA9	ZN784_HUMAN	Zinc finger protein 784	ZNF784
Not defined	sp	Q8NCC3	PAG15_HUMAN	Phospholipase A2 group XV	PLA2G15
Not defined	sp	Q8NCE2	MTMR4_HUMAN	Myotubularin-related protein 14	MTMR14
Not defined	sp	Q8NCF5	NF21P_HUMAN	NFATC2-interacting protein	NFATC2IP
Not defined	sp	Q8NCI6	GLBL3_HUMAN	Beta-galactosidase-1-like protein 3	GLBL3
Not defined	sp	Q8NCJ5	SPRY3_HUMAN	SPRY domain-containing protein 3	SPRY3
Not defined	sp	Q8NCR5	PDP1_HUMAN	Pyruvate dehydrogenase phosphatase regulatory subunit, mitochondrial	PDP1
Not defined	sp	Q8NCR9	CLRN3_HUMAN	Clarin-3	CLRN3
Not defined	sp	Q8NCU4	CC191_HUMAN	Coiled-coil domain-containing protein 191	CCDC191
Not defined	sp	Q8NCU8	MTLN_HUMAN	Mitoregulin	MTLN
Not defined	sp	Q8NCW5	NNRE_HUMAN	NAD(P)H-hydrate epimerase	NAXE
Not defined	sp	Q8ND56	LS14A_HUMAN	Protein LSM14 homolog A	LSM14A
Not defined	sp	Q8ND90	PNMA1_HUMAN	Paraneoplastic antigen Ma1	PNMA1
Not defined	sp	Q8NDA2	HMCN2_HUMAN	Hemicentin-2	HMCN2
Not defined	sp	Q8NDD1	CA131_HUMAN	Uncharacterized protein C1orf131	C1orf131
Not defined	sp	Q8NDG6	TDRD9_HUMAN	ATP-dependent RNA helicase TDRD9	TDRD9
Not defined	sp	Q8NDH3	PEPL1_HUMAN	Probable aminopeptidase NPEPL1	NPEPL1
Not defined	sp	Q8NDI1	EHBP1_HUMAN	EH domain-binding protein 1	EHBP1
Not defined	sp	Q8NDL9	CBPC5_HUMAN	Cytosolic carboxypeptidase-like protein 5	AGL5
Not defined	sp	Q8NDP4	ZN439_HUMAN	Zinc finger protein 439	ZNF439
Not defined	sp	Q8NDQ6	ZN540_HUMAN	Zinc finger protein 540	ZNF540
Not defined	sp	Q8NDW4	ZN248_HUMAN	Zinc finger protein 248	ZNF248
Not defined	sp	Q8NDY6	BHE23_HUMAN	Class E basic helix-loop-helix protein 23	BHLHE23
Not defined	sp	Q8NE09	RG522_HUMAN	Regulator of G-protein signaling 22	RG522
Not defined	sp	Q8NE22	SETD9_HUMAN	SET domain-containing protein 9	SETD9
Not defined	sp	Q8NE62	CHDH_HUMAN	Choline dehydrogenase, mitochondrial	CHDH
Not defined	sp	Q8NE86	MCU_HUMAN	Calcium uniporter protein, mitochondrial	MCU
Not defined	sp	Q8NEF9	SRFBP1_HUMAN	Serum response factor-binding protein 1	SRFBP1
Not defined	sp	Q8NEI9	NGDN_HUMAN	Neuroguidin	NGDN
Not defined	sp	Q8NET4	RTL9_HUMAN	Retrotransposon Gag-like protein 9	RTL9
Not defined	sp	Q8NEV8	EXPH5_HUMAN	Exophilin-5	EXPH5
Not defined	sp	Q8NEY8	PPhLN_HUMAN	Periphilin-1	PPhLN1
Not defined	sp	Q8NEZ4	KMT2C_HUMAN	Histone-lysine N-methyltransferase 2C	KMT2C
Not defined	sp	Q8NEZ5	FBX22_HUMAN	F-box only protein 22	FBXO22
Not defined	sp	Q8NF50	DOCK8_HUMAN	Dedicator of cytokinesis protein 8	DOCK8
Not defined	sp	Q8NF67	A2012_HUMAN	Putative ankyrin repeat domain-containing protein 20A12 pseudogene	ANKRD20A12P
Not defined	sp	Q8NF91	SYNE1_HUMAN	Nesprin-1	SYNE1
Not defined	sp	Q8NFA0	UBP32_HUMAN	Ubiquitin carboxyl-terminal hydrolase 32	USP32
Not defined	sp	Q8NFC6	BD111_HUMAN	Biorientation of chromosomes in cell division protein 1-like 1	BOD111
Not defined	sp	Q8NFF5	FAD1_HUMAN	FAD synthase	FLAD1
Not defined	sp	Q8NFH5	NUP35_HUMAN	Nucleoporin NUP35	NUP35
Not defined	sp	Q8NFF8	REPS2_HUMAN	RalBP1-associated Eps domain-containing protein 2	REPS2
Not defined	sp	Q8NFJ5	RAI3_HUMAN	Retinoic acid-induced protein 3	GPCR5A
Not defined	sp	Q8NFF8	BHE22_HUMAN	Class E basic helix-loop-helix protein 22	BHLHE22
Not defined	sp	Q8NFP7	NUD10_HUMAN	Diphosphoinositol polyphosphate phosphohydrolase 3-alpha	NUD10
Not defined	sp	Q8NFT6	DBF4B_HUMAN	Protein DBF4 homolog B	DBF4B
Not defined	sp	Q8NFU0	BEST4_HUMAN	Bestrophin-4	BEST4
Not defined	sp	Q8NFU3	TSTD1_HUMAN	Thiosulfate:glutathione sulfurtransferase	TSTD1
Not defined	sp	Q8NFU7	TET1_HUMAN	Methylcytosine dioxygenase TET1	TET1
Not defined	sp	Q8NFV4	ABHD8_HUMAN	Protein ABHD11	ABHD11
Not defined	sp	Q8NFV5	SPDE1_HUMAN	Speedy protein E1	SPDYE1
Not defined	sp	Q8NFW8	NEUA_HUMAN	N-acylneuraminate cytidylyltransferase	CMAS
Not defined	sp	Q8NFX9	KBTB8_HUMAN	Kelch repeat and BTB domain-containing protein 8	KBTBD8
Not defined	sp	Q8NFZ4	NLGN2_HUMAN	Neurologin-2	NLGN2
Not defined	sp	Q8NFZ8	CADM4_HUMAN	Cell adhesion molecule 4	CADM4
Not defined	sp	Q8NGA1	OR1M1_HUMAN	Olfactory receptor 1M1	OR1M1
Not defined	sp	Q8NGB8	O4F15_HUMAN	Olfactory receptor 4F15	OR4F15
Not defined	sp	Q8NGF4	O5AP2_HUMAN	Olfactory receptor 5AP2	OR5AP2
Not defined	sp	Q8NGK5	O52M1_HUMAN	Olfactory receptor 52M1	OR52M1
Not defined	sp	Q8NGL7	OR4P4_HUMAN	Olfactory receptor 4P4	OR4P4
Not defined	sp	Q8NGR4	OR5C1_HUMAN	Olfactory receptor 5C1	OR5C1
Not defined	sp	Q8NGS7	O13C8_HUMAN	Olfactory receptor 13C8	OR13C8
Not defined	sp	Q8NGX9	OR6P1_HUMAN	Olfactory receptor 6P1	OR6P1
Not defined	sp	Q8NGZ9	O2T10_HUMAN	Olfactory receptor 2T10	OR2T10
Not defined	sp	Q8NH69	OR5W2_HUMAN	Olfactory receptor 5W2	OR5W2
Not defined	sp	Q8NHG7	SVIP_HUMAN	Small VCP/p97-interacting protein	SVIP
Not defined	sp	Q8NHG8	ZNRF2_HUMAN	E3 ubiquitin-protein ligase ZNRF2	ZNRF2
Not defined	sp	Q8NHH1	TTL11_HUMAN	Tubulin polyglutamylase TTL11	TTL11
Not defined	sp	Q8NHP8	PLBL2_HUMAN	Putative phospholipase B-like 2	PLB2
Not defined	sp	Q8NHS0	DNAJB8_HUMAN	DnaJ homolog subfamily B member 8	DNAJB8
Not defined	sp	Q8NHY3	GA2L2_HUMAN	GAS2-like protein 2	GAS2L2

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q8NHZ8	CDC26_HUMAN	Anaphase-promoting complex subunit CDC26	CDC26
Not defined	sp	Q8NI22	MCFD2_HUMAN	Multiple coagulation factor deficiency protein 2	MCFD2
Not defined	sp	Q8NI27	THOC2_HUMAN	THO complex subunit 2	THOC2
Not defined	sp	Q8NI36	WDR36_HUMAN	WD repeat-containing protein 36	WDR36
Not defined	sp	Q8NI60	COQ8A_HUMAN	Atypical kinase COQ8A, mitochondrial	COQ8A
Not defined	sp	Q8TAA9	VANG1_HUMAN	Vang-like protein 1	VANGL1
Not defined	sp	Q8TAF8	LHPL5_HUMAN	LHFPL tetraspan subfamily member 5 protein	LHFPL5
Not defined	sp	Q8TAG9	EXOC6_HUMAN	Exocyst complex component 6	EXOC6
Not defined	sp	Q8TAP9	MPLK1_HUMAN	M-phase-specific PLK1-interacting protein	MPLK1P
Not defined	sp	Q8TAV4	STML3_HUMAN	Stomatin-like protein 3	STOML3
Not defined	sp	Q8TAX0	OSR1_HUMAN	Protein odd-skipped-related 1	OSR1
Not defined	sp	Q8TB36	GDAP1_HUMAN	Ganglioside-induced differentiation-associated protein 1	GDAP1
Not defined	sp	Q8TB92	HMGC2_HUMAN	3-hydroxy-3-methylglutaryl-CoA lyase, cytoplasmic	HMGCLL1
Not defined	sp	Q8TB96	TIP_HUMAN	T-cell immunomodulatory protein	ITFG1
Not defined	sp	Q8TBA6	GOGA5_HUMAN	Golgin subfamily A member 5	GOLGA5
Not defined	sp	Q8TBB0	THAP6_HUMAN	THAP domain-containing protein 6	THAP6
Not defined	sp	Q8TBB5	KLDC4_HUMAN	Kelch domain-containing protein 4	KLHDC4
Not defined	sp	Q8TBC4	UBA3_HUMAN	NEED8-activating enzyme E1 catalytic subunit	UBA3
Not defined	sp	Q8TBE9	NANP_HUMAN	N-acylneuraminate-9-phosphatase	NANP
Not defined	sp	Q8TBF2	PXL2B_HUMAN	Prostamide/prostaglandin F synthase	PRXL2B
Not defined	sp	Q8TBF8	FA81A_HUMAN	Protein FAM81A	FAM81A
Not defined	sp	Q8TBP5	F174A_HUMAN	Membrane protein FAM174A	FAM174A
Not defined	sp	Q8TB09	KISHA_HUMAN	Protein kish-A	TMEM167A
Not defined	sp	Q8TBX8	PI42C_HUMAN	Phosphatidylinositol 5-phosphate 4-kinase type-2 gamma	PIP4K2C
Not defined	sp	Q8TBY8	PMFBP_HUMAN	Polyamine-modulated factor 1-binding protein 1	PMFBP1
Not defined	sp	Q8TBZ5	ZN502_HUMAN	Zinc finger protein 502	ZNFS02
Not defined	sp	Q8TBZ6	TM10A_HUMAN	tRNA methyltransferase 10 homolog A	TRMT10A
Not defined	sp	Q8TBZ8	ZN564_HUMAN	Zinc finger protein 564	ZNFS64
Not defined	sp	Q8TC12	RDH11_HUMAN	Retinol dehydrogenase 11	RDH11
Not defined	sp	Q8TC20	CAGE1_HUMAN	Cancer-associated gene 1 protein	CAGE1
Not defined	sp	Q8TC56	FA71B_HUMAN	Protein FAM71B	FAM71B
Not defined	sp	Q8TC71	MIEAP_HUMAN	Mitochondria-eating protein	SPATA18
Not defined	sp	Q8TC99	FNDC8_HUMAN	Fibronectin type III domain-containing protein 8	FNDC8
Not defined	sp	Q8TCA0	LRC20_HUMAN	Leucine-rich repeat-containing protein 20	LRRC20
Not defined	sp	Q8TCC3	RM30_HUMAN	39S ribosomal protein L30, mitochondrial	MRPL30
Not defined	sp	Q8TCD5	NT5C_HUMAN	5'(3')-deoxyribonucleotidase, cytosolic type	NT5C
Not defined	sp	Q8TCJ2	STT3B_HUMAN	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3B	STT3B
Not defined	sp	Q8TCT8	SPP2A_HUMAN	Signal peptide peptidase-like 2A	SPPL2A
Not defined	sp	Q8TCT9	HM13_HUMAN	Minor histocompatibility antigen H13	HM13
Not defined	sp	Q8TC22	C99L2_HUMAN	CD99 antigen-like protein 2	CD99L2
Not defined	sp	Q8TD06	AGR3_HUMAN	Anterior gradient protein 3	AGR3
Not defined	sp	Q8TD08	MK15_HUMAN	Mitogen-activated protein kinase 15	MAPK15
Not defined	sp	Q8TD16	BICD2_HUMAN	Protein bicaudal D homolog 2	BICD2
Not defined	sp	Q8TD30	ALAT2_HUMAN	Alanine aminotransferase 2	GPT2
Not defined	sp	Q8TD47	RS4Y2_HUMAN	40S ribosomal protein S4, Y isoform 2	RP54Y2
Not defined	sp	Q8TD57	DYH3_HUMAN	Dynein heavy chain 3, axonemal	DNAH3
Not defined	sp	Q8TD91	MAGC3_HUMAN	Melanoma-associated antigen C3	MAGEC3
Not defined	sp	Q8TDB6	DTX3L_HUMAN	E3 ubiquitin-protein ligase DTX3L	DTX3L
Not defined	sp	Q8TDB8	GTR14_HUMAN	Solute carrier family 2, facilitated glucose transporter member 14	SLC2A14
Not defined	sp	Q8TD10	CHD5_HUMAN	Chromodomain-helicase-DNA-binding protein 5	CHD5
Not defined	sp	Q8TD16	DMXL2_HUMAN	DmX-like protein 2	DMXL2
Not defined	sp	Q8TDN6	BRX1_HUMAN	Ribosome biogenesis protein BRX1 homolog	BRX1
Not defined	sp	Q8TDP1	RNH2C_HUMAN	Ribonuclease H2 subunit C	RNASEH2C
Not defined	sp	Q8TDR0	MIP13_HUMAN	TRAF3-interacting protein 1	TRAF3IP1
Not defined	sp	Q8TDS4	HCAR2_HUMAN	Hydroxycarboxylic acid receptor 2	HCAR2
Not defined	sp	Q8TDX9	PK1L1_HUMAN	Polycystic kidney disease protein 1-like 1	PKDL1L1
Not defined	sp	Q8TE59	ATS19_HUMAN	A disintegrin and metalloproteinase with thrombospondin motifs 19	ADAMTS19
Not defined	sp	Q8TE76	MORC4_HUMAN	MORC family CW-type zinc finger protein 4	MORC4
Not defined	sp	Q8TE77	SSH3_HUMAN	Protein phosphatase Slingshot homolog 3	SSH3
Not defined	sp	Q8TE82	S3TC1_HUMAN	SH3 domain and tetratricopeptide repeat-containing protein 1	SH3TC1
Not defined	sp	Q8TED1	GPX8_HUMAN	Probable glutathione peroxidase 8	GPX8
Not defined	sp	Q8TEM1	PO210_HUMAN	Nuclear pore membrane glycoprotein 210	NUP210
Not defined	sp	Q8TEP8	CE192_HUMAN	Centrosomal protein of 192 kDa	CEP192
Not defined	sp	Q8TEV8	PAR3L_HUMAN	Partitioning defective 3 homolog B	PAR3B
Not defined	sp	Q8TEX9	IPO4_HUMAN	Importin-4	IPO4
Not defined	sp	Q8TF01	PNISR_HUMAN	Arginine/serine-rich protein PNISR	PNISR
Not defined	sp	Q8TF09	DLRB2_HUMAN	Dynein light chain roadblock-type 2	DYNLRB2
Not defined	sp	Q8TF46	DIS3L1_HUMAN	DIS3-like exonuclease 1	DIS3L1
Not defined	sp	Q8TF50	ZN526_HUMAN	Zinc finger protein 526	ZNFS26
Not defined	sp	Q8TF65	GIPC2_HUMAN	PDZ domain-containing protein GIPC2	GIPC2
Not defined	sp	Q8TF68	ZN384_HUMAN	Zinc finger protein 384	ZNFS384
Not defined	sp	Q8WTS1	ABHD5_HUMAN	1-acylglycerol-3-phosphate O-acyltransferase ABHD5	ABHD5
Not defined	sp	Q8WTS6	SETD7_HUMAN	Histone-lysine N-methyltransferase SETD7	SETD7
Not defined	sp	Q8WU17	RNF139_HUMAN	E3 ubiquitin-protein ligase RNF139	RNF139
Not defined	sp	Q8WU79	SMAP2_HUMAN	Stromal membrane-associated protein 2	SMAP2
Not defined	sp	Q8WUA8	TSK_HUMAN	Tsukushin	TSKU
Not defined	sp	Q8WUH1	CHURC_HUMAN	Protein Churchill	CHURC1
Not defined	sp	Q8WUH2	TGFA1_HUMAN	Transforming growth factor-beta receptor-associated protein 1	TGFBRAP1
Not defined	sp	Q8WUM4	PDC6I_HUMAN	Programmed cell death 6-interacting protein	PDC6IP
Not defined	sp	Q8WUN7	UBTD2_HUMAN	Ubiquitin domain-containing protein 2	UBTD2
Not defined	sp	Q8WUP2	FBL1L1_HUMAN	Filamin-binding LIM protein 1	FBLIM1
Not defined	sp	Q8WUQ7	CATIN_HUMAN	Cactin	CACTIN
Not defined	sp	Q8WUR7	COO40_HUMAN	UPF0235 protein C15orf40	C15orf40
Not defined	sp	Q8WUW1	BRK1_HUMAN	Protein BRICK1	BRK1
Not defined	sp	Q8WUX1	S38A5_HUMAN	Sodium-coupled neutral amino acid transporter 5	SLC38A5
Not defined	sp	Q8WUX2	CHAC2_HUMAN	Glutathione-specific gamma-glutamylcystotransferase 2	CHAC2
Not defined	sp	Q8WUX9	CHMP7_HUMAN	Charged multivesicular body protein 7	CHMP7
Not defined	sp	Q8WUY9	DEP1B_HUMAN	DEP domain-containing protein 1B	DEPDC1B
Not defined	sp	Q8WUZ0	BCL7C_HUMAN	B-cell CLL/lymphoma 7 protein family member C	BCL7C
Not defined	sp	Q8WV07	LTO1_HUMAN	Protein LTO1 homolog	LTO1

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Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q8WV22	NSE1_HUMAN	Non-structural maintenance of chromosomes element 1 homolog	NSMCE1
Not defined	sp	Q8WV24	PHLA1_HUMAN	Pleckstrin homology-like domain family A member 1	PHLDA1
Not defined	sp	Q8WV92	MITD1_HUMAN	MIT domain-containing protein 1	MITD1
Not defined	sp	Q8WVB3	HEXD_HUMAN	Hexosaminidase D	HEXD
Not defined	sp	Q8WVCO	LEO1_HUMAN	RNA polymerase-associated protein LEO1	LEO1
Not defined	sp	Q8WVF1	OSCP1_HUMAN	Protein OSCP1	OSCP1
Not defined	sp	Q8WVH0	CPLX3_HUMAN	Complexin-3	CPLX3
Not defined	sp	Q8WVJ2	NUDC2_HUMAN	NudC domain-containing protein 2	NUDCD2
Not defined	sp	Q8WVK2	SNR27_HUMAN	U4/U6.U5 small nuclear ribonucleoprotein 27 kDa protein	SNRNP27
Not defined	sp	Q8WVQ1	CANT1_HUMAN	Soluble calcium-activated nucleotidase 1	CANT1
Not defined	sp	Q8WVS4	WDR60_HUMAN	WD repeat-containing protein 60	WDR60
Not defined	sp	Q8WVV5	BT2A2_HUMAN	Butyrophilin subfamily 2 member A2	BTN2A2
Not defined	sp	Q8WVV9	HNRLL_HUMAN	Heterogeneous nuclear ribonucleoprotein L-like	HNRNPLL
Not defined	sp	Q8WVY7	UBCP1_HUMAN	Ubiquitin-like domain-containing CTD phosphatase 1	UBLCP1
Not defined	sp	Q8WVW01	SEN15_HUMAN	tRNA-splicing endonuclease subunit Sen15	TSEN15
Not defined	sp	Q8WVW22	DNAI4_HUMAN	DnaI homolog subfamily A member 4	DNAI4
Not defined	sp	Q8WVW24	TEKT4_HUMAN	Tektin-4	TEKT4
Not defined	sp	Q8WVW33	GTSF1_HUMAN	Gametocyte-specific factor 1	GTSF1
Not defined	sp	Q8WVW38	FOG2_HUMAN	Zinc finger protein ZFPM2	ZFPM2
Not defined	sp	Q8WVW52	F151A_HUMAN	Protein FAM151A	FAM151A
Not defined	sp	Q8WVWH5	TRUB1_HUMAN	Probable tRNA pseudouridine synthase 1	TRUB1
Not defined	sp	Q8WVW11	LMO7_HUMAN	LIM domain only protein 7	LMO7
Not defined	sp	Q8WVW15	CTL1_HUMAN	Choline transporter-like protein 1	SLC4A1
Not defined	sp	Q8WVW7	ATX2L_HUMAN	Ataxin-2-like protein	ATXN2L
Not defined	sp	Q8WVW9	ICEF1_HUMAN	Interactor protein for cytohesin exchange factors 1	IPCEF1
Not defined	sp	Q8WVWP7	GIMAP1_HUMAN	GTPase IMAP family member 1	GIMAP1
Not defined	sp	Q8WVWQ0	PHIP_HUMAN	PH-interacting protein	PHIP
Not defined	sp	Q8WVWV3	RT4I1_HUMAN	Reticulon-4-interacting protein 1, mitochondrial	RTN4IP1
Not defined	sp	Q8WVWV6	FCAMR_HUMAN	High affinity immunoglobulin alpha and immunoglobulin mu Fc receptor	FCAMR
Not defined	sp	Q8WVWV8	GAB3_HUMAN	GRB2-associated-binding protein 3	GAB3
Not defined	sp	Q8WVWX9	SELM_HUMAN	Selenoprotein M	SELENOM
Not defined	sp	Q8WVWY3	PRP31_HUMAN	U4/U6 small nuclear ribonucleoprotein Prp31	PRPF31
Not defined	sp	Q8WVWY7	WFD12_HUMAN	WAP four-disulfide core domain protein 12	WFD12
Not defined	sp	Q8WVWZ4	ABCAA_HUMAN	ATP-binding cassette sub-family A member 10	ABCA10
Not defined	sp	Q8WVWZ8	OIT3_HUMAN	Oncoprotein-induced transcript 3 protein	OIT3
Not defined	sp	Q8WVX93	PALLD_HUMAN	Palladin	PALLD
Not defined	sp	Q8WVX94	NALP7_HUMAN	NACHT, LRR and PYD domains-containing protein 7	NLRP7
Not defined	sp	Q8WVXA9	SREK1_HUMAN	Splicing regulatory glutamine/lysine-rich protein 1	SREK1
Not defined	sp	Q8WXC3	PYDC1_HUMAN	Pyrin domain-containing protein 1	PYDC1
Not defined	sp	Q8WXD5	GEM16_HUMAN	Gem-associated protein 6	GEMIN6
Not defined	sp	Q8WXE0	CSK12_HUMAN	Caskin-2	CASKIN2
Not defined	sp	Q8WXF0	SRS12_HUMAN	Serine/arginine-rich splicing factor 12	SRSF12
Not defined	sp	Q8WVG9	AGRV1_HUMAN	Adhesion G-protein coupled receptor V1	ADGRV1
Not defined	sp	Q8WXH0	SYNE2_HUMAN	Nesprin-2	SYNE2
Not defined	sp	Q8WXH5	SOCS4_HUMAN	Suppressor of cytokine signaling 4	SOCS4
Not defined	sp	Q8WXI7	MUC16_HUMAN	Mucin-16	MUC16
Not defined	sp	Q8WXI9	P66B_HUMAN	Transcriptional repressor p66-beta	GATAD2B
Not defined	sp	Q8WVXU2	DAAF4_HUMAN	Dynein assembly factor 4, axonemal	DNAAF4
Not defined	sp	Q8WVY54	PPM1E_HUMAN	Protein phosphatase 1E	PPM1E
Not defined	sp	Q8WVYA0	IFT81_HUMAN	Intraflagellar transport protein 81 homolog	IFT81
Not defined	sp	Q8WVYA6	CTBL1_HUMAN	Beta-catenin-like protein 1	CTNBNL1
Not defined	sp	Q8WVYQ5	DGCR8_HUMAN	Microprocessor complex subunit DGCR8	DGCR8
Not defined	sp	Q8WZ42	TITIN_HUMAN	Titin	TTN
Not defined	sp	Q8WZ64	ARAP2_HUMAN	Arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 2	ARAP2
Not defined	sp	Q8WZAO	LZIC_HUMAN	Protein LZIC	LZIC
Not defined	sp	Q8WZ9A	IRGQ_HUMAN	Immunity-related GTPase family Q protein	IRGQ
Not defined	sp	Q8WZB0	CI130_HUMAN	Putative uncharacterized protein encoded by LINC00476	LINC00476
Not defined	sp	Q92466	DDB2_HUMAN	DNA damage-binding protein 2	DDB2
Not defined	sp	Q92481	AP2B_HUMAN	Transcription factor AP-2-beta	TFAP2B
Not defined	sp	Q92484	ASM3A_HUMAN	Acid sphingomyelinase-like phospholipase 3a	SMPDL3A
Not defined	sp	Q92502	STAR8_HUMAN	STAR-related lipid transfer protein 8	STAR8
Not defined	sp	Q92506	DH8B_HUMAN	Estradiol 17-beta-dehydrogenase 8	HSD17B8
Not defined	sp	Q92508	PIE21_HUMAN	Piezo-type mechanosensitive ion channel component 1	PIEZO1
Not defined	sp	Q92520	FAM3C_HUMAN	Protein FAM3C	FAM3C
Not defined	sp	Q92526	TCPW_HUMAN	T-complex protein 1 subunit zeta-2	CCT6B
Not defined	sp	Q92530	PSMF1_HUMAN	Proteasome inhibitor PI31 subunit	PSMF1
Not defined	sp	Q92536	YLAT2_HUMAN	Y+L amino acid transporter 2	SLC7A6
Not defined	sp	Q92541	RTF1_HUMAN	RNA polymerase-associated protein RTF1 homolog	RTF1
Not defined	sp	Q92545	TM131_HUMAN	Transmembrane protein 131	TMEM131
Not defined	sp	Q92552	RT27_HUMAN	28S ribosomal protein S27, mitochondrial	MRPS27
Not defined	sp	Q92572	AP3S1_HUMAN	AP-3 complex subunit sigma-1	AP3S1
Not defined	sp	Q92575	UBXN4_HUMAN	UBX domain-containing protein 4	UBXN4
Not defined	sp	Q92597	NDRG1_HUMAN	Protein NDRG1	NDRG1
Not defined	sp	Q92600	CNOT9_HUMAN	CCR4-NOT transcription complex subunit 9	CNOT9
Not defined	sp	Q92610	ZNF592_HUMAN	Zinc finger protein 592	ZNF592
Not defined	sp	Q92613	JADE3_HUMAN	Protein Jade-3	JADE3
Not defined	sp	Q92616	GCN1_HUMAN	eIF-2-alpha kinase activator GCN1	GCN1
Not defined	sp	Q92618	ZNF516_HUMAN	Zinc finger protein 516	ZNF516
Not defined	sp	Q92621	NU205_HUMAN	Nuclear pore complex protein Nup205	NUP205
Not defined	sp	Q92667	AKAP1_HUMAN	A-kinase anchor protein 1, mitochondrial	AKAP1
Not defined	sp	Q92686	NEUG_HUMAN	Neurogranin	NRGN
Not defined	sp	Q92696	PGTA_HUMAN	Geranylgeranyl transferase type-2 subunit alpha	RABGGTA
Not defined	sp	Q92738	US6NL_HUMAN	USP6 N-terminal-like protein	USP6NL
Not defined	sp	Q92747	ARC1A_HUMAN	Actin-related protein 2/3 complex subunit 1A	ARPC1A
Not defined	sp	Q92769	HDAC2_HUMAN	Histone deacetylase 2	HDAC2
Not defined	sp	Q92783	STAM1_HUMAN	Signal transducing adapter molecule 1	STAM
Not defined	sp	Q92785	REQU_HUMAN	Zinc finger protein ubi-d4	DPF2
Not defined	sp	Q92791	SC65_HUMAN	Endoplasmic reticulum protein SC65	P3H4
Not defined	sp	Q92794	KAT6A_HUMAN	Histone acetyltransferase KAT6A	KAT6A
Not defined	sp	Q92796	DLG3_HUMAN	Disks large homolog 3	DLG3

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q92805	GOGA1_HUMAN	Golgin subfamily A member 1	GOLGA1
Not defined	sp	Q92817	EVPL_HUMAN	Envelopin	EVPL
Not defined	sp	Q92834	RPGR_HUMAN	X-linked retinitis pigmentosa GTPase regulator	RPGR
Not defined	sp	Q92859	NEO1_HUMAN	Neogenin	NEO1
Not defined	sp	Q92876	KLK6_HUMAN	Kallikrein-6	KLK6
Not defined	sp	Q92878	RAD50_HUMAN	DNA repair protein RAD50	RAD50
Not defined	sp	Q92879	CELF1_HUMAN	CUGBP Elav-like family member 1	CELF1
Not defined	sp	Q92888	ARHG1_HUMAN	Rho guanine nucleotide exchange factor 1	ARHGEF1
Not defined	sp	Q92896	GSLG1_HUMAN	Golgi apparatus protein 1	GLG1
Not defined	sp	Q92901	RL3L_HUMAN	60S ribosomal protein L3-like	RPL3L
Not defined	sp	Q92905	CSN5_HUMAN	COP9 signalosome complex subunit 5	COP55
Not defined	sp	Q92925	SMRD2_HUMAN	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 2	SMARCD2
Not defined	sp	Q92934	BAD_HUMAN	Bcl2-associated agonist of cell death	BAD
Not defined	sp	Q92935	EXTL1_HUMAN	Exostosin-like 1	EXTL1
Not defined	sp	Q92947	GCDH_HUMAN	Glutaryl-CoA dehydrogenase, mitochondrial	GCDH
Not defined	sp	Q92954	PRG4_HUMAN	Proteoglycan 4	PRG4
Not defined	sp	Q92959	SO2A1_HUMAN	Solute carrier organic anion transporter family member 2A1	SLCO2A1
Not defined	sp	Q92973	TNPO1_HUMAN	Transportin-1	TNPO1
Not defined	sp	Q92982	NINJ1_HUMAN	Ninjurin-1	NINJ1
Not defined	sp	Q92995	UBP13_HUMAN	Ubiquitin carboxyl-terminal hydrolase 13	USP13
Not defined	sp	Q93008	USP9X_HUMAN	Probable ubiquitin carboxyl-terminal hydrolase FAF-X	USP9X
Not defined	sp	Q93009	UBP7_HUMAN	Ubiquitin carboxyl-terminal hydrolase 7	USP7
Not defined	sp	Q93052	LPP_HUMAN	Lipoma-preferred partner	LPP
Not defined	sp	Q93063	EXT2_HUMAN	Exostosin-2	EXT2
Not defined	sp	Q93070	NAR4_HUMAN	Ecto-ADP-ribosyltransferase 4	ART4
Not defined	sp	Q93074	MED12_HUMAN	Mediator of RNA polymerase II transcription subunit 12	MED12
Not defined	sp	Q93075	TATD2_HUMAN	Putative deoxyribonuclease TATDN2	TATDN2
Not defined	sp	Q93084	AT2A3_HUMAN	Sarcoplasmic/endoplasmic reticulum calcium ATPase 3	ATP2A3
Not defined	sp	Q93096	TP4A1_HUMAN	Protein tyrosine phosphatase type IVA 1	PTP4A1
Not defined	sp	Q93097	WNT2B_HUMAN	Protein Wnt-2b	WNT2B
Not defined	sp	Q93099	HGD_HUMAN	Homogentisate 1,2-dioxygenase	HGD
Not defined	sp	Q93100	KPBB_HUMAN	Phosphorylase b kinase regulatory subunit beta	PKHB
Not defined	sp	Q969E4	TCAL3_HUMAN	Transcription elongation factor A protein-like 3	TCEAL3
Not defined	sp	Q969E8	TSR2_HUMAN	Pre-rRNA-processing protein TSR2 homolog	TSR2
Not defined	sp	Q969G6	RIFK_HUMAN	Riboflavin kinase	RFK
Not defined	sp	Q969J3	BORCS5_HUMAN	BLOC-1-related complex subunit 5	BORCS5
Not defined	sp	Q969L2	MAL2_HUMAN	Protein MAL2	MAL2
Not defined	sp	Q969M2	CXA10_HUMAN	Gap junction alpha-10 protein	GJA10
Not defined	sp	Q969N2	PIGT_HUMAN	GPI transamidase component PIG-T	PIGT
Not defined	sp	Q969P0	IGSF8_HUMAN	Immunoglobulin superfamily member 8	IGSF8
Not defined	sp	Q969P6	TOP1M_HUMAN	DNA topoisomerase I, mitochondrial	TOP1MT
Not defined	sp	Q969Q0	RL36L_HUMAN	60S ribosomal protein L36a-like	RPL36AL
Not defined	sp	Q969Q5	RAB24_HUMAN	Ras-related protein Rab-24	RAB24
Not defined	sp	Q969R2	OSBP2_HUMAN	Oxysterol-binding protein 2	OSBP2
Not defined	sp	Q969S9	RRF2M_HUMAN	Ribosome-releasing factor 2, mitochondrial	RFM2
Not defined	sp	Q969T4	UB2E3_HUMAN	Ubiquitin-conjugating enzyme E2 E3	UBE2E3
Not defined	sp	Q969T9	WBP2_HUMAN	WW domain-binding protein 2	WBP2
Not defined	sp	Q969U7	PSMG2_HUMAN	Proteasome assembly chaperone 2	PSMG2
Not defined	sp	Q969V4	TEKT1_HUMAN	Tektin-1	TEKT1
Not defined	sp	Q969X0	RILP2_HUMAN	RILP-like protein 2	RILP2
Not defined	sp	Q969X1	LFG3_HUMAN	Protein lifeguard 3	TMBIM1
Not defined	sp	Q969Y2	GTPB3_HUMAN	tRNA modification GTPase GTPBP3, mitochondrial	GTPBP3
Not defined	sp	Q969Z3	MARC2_HUMAN	Mitochondrial amidoxime reducing component 2	MTARC2
Not defined	sp	Q96A00	PP14A_HUMAN	Protein phosphatase 1 regulatory subunit 14A	PPP1R14A
Not defined	sp	Q96A05	VATE2_HUMAN	V-type proton ATPase subunit E 2	ATP6V1E2
Not defined	sp	Q96A23	CPNE4_HUMAN	Copine-4	CPNE4
Not defined	sp	Q96A33	CCD47_HUMAN	Coiled-coil domain-containing protein 47	CCD47
Not defined	sp	Q96A35	RM24_HUMAN	39S ribosomal protein L24, mitochondrial	MRL24
Not defined	sp	Q96A57	TM230_HUMAN	Transmembrane protein 230	TMEM230
Not defined	sp	Q96A65	EXOC4_HUMAN	Exocyst complex component 4	EXOC4
Not defined	sp	Q96A73	P33MONX_HUMAN	Putative monoxygenase p33MONOX	KIAA1191
Not defined	sp	Q96A84	EMID1_HUMAN	EMI domain-containing protein 1	EMID1
Not defined	sp	Q96A86	NTAN1_HUMAN	Protein N-terminal asparagine amidohydrolase	NTAN1
Not defined	sp	Q96AE7	TTC17_HUMAN	Tetratricopeptide repeat protein 17	TTC17
Not defined	sp	Q96AJ9	VTI1A_HUMAN	Vesicle transport through interaction with t-SNAREs homolog 1A	VTI1A
Not defined	sp	Q96AP4	ZUP1_HUMAN	Zinc finger-containing ubiquitin peptidase 1	ZUP1
Not defined	sp	Q96AQ6	PBIP1_HUMAN	Pre-B-cell leukemia transcription factor-interacting protein 1	PBXP1
Not defined	sp	Q96AQ8	MCUR1_HUMAN	Mitochondrial calcium uniporter regulator 1	MCUR1
Not defined	sp	Q96AT1	K1143_HUMAN	Uncharacterized protein KIAA1143	KIAA1143
Not defined	sp	Q96AT9	RPE_HUMAN	Ribulose-phosphate 3-epimerase	RPE
Not defined	sp	Q96AY3	FKBP10_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP10	FKBP10
Not defined	sp	Q96AY4	TTC28_HUMAN	Tetratricopeptide repeat protein 28	TTC28
Not defined	sp	Q96AZ6	ISG20_HUMAN	Interferon-stimulated gene 20 kDa protein	ISG20
Not defined	sp	Q96B26	EXOSC8_HUMAN	Exosome complex component RRP43	EXOSC8
Not defined	sp	Q96B36	AKT51_HUMAN	Proline-rich AKT1 substrate 1	AKT51
Not defined	sp	Q96B45	BORCS7_HUMAN	BLOC-1-related complex subunit 7	BORCS7
Not defined	sp	Q96B49	TOM6_HUMAN	Mitochondrial import receptor subunit TOM6 homolog	TOMM6
Not defined	sp	Q96B97	SH3K1_HUMAN	SH3 domain-containing kinase-binding protein 1	SH3KBP1
Not defined	sp	Q96BD5	PF21A_HUMAN	PHD finger protein 21A	PHF21A
Not defined	sp	Q96BF3	TMIG2_HUMAN	Transmembrane and immunoglobulin domain-containing protein 2	TMIG2
Not defined	sp	Q96BJ3	AIDA_HUMAN	Axin interactor, dorsalization-associated protein	AIDA
Not defined	sp	Q96BP2	CHCH1_HUMAN	Coiled-coil-helix-coiled-coil-helix domain-containing protein 1	CHCHD1
Not defined	sp	Q96BP3	PPWD1_HUMAN	Peptidylprolyl isomerase domain and WD repeat-containing protein 1	PPWD1
Not defined	sp	Q96BT3	CENPT_HUMAN	Centromere protein T	CENPT
Not defined	sp	Q96BW5	PTER_HUMAN	Phosphotriesterase-related protein	PTER
Not defined	sp	Q96BY6	DOCK10_HUMAN	Dedicator of cytokinesis protein 10	DOCK10
Not defined	sp	Q96BZ8	LENG1_HUMAN	Leukocyte receptor cluster member 1	LENG1
Not defined	sp	Q96C23	GALM_HUMAN	Aldose 1-epimerase	GALM
Not defined	sp	Q96C34	RUND1_HUMAN	RUN domain-containing protein 1	RUND1
Not defined	sp	Q96C36	P5CR2_HUMAN	Pyrrrole-5-carboxylate reductase 2	PYCR2

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q96C57	CSTOS_HUMAN	Protein CUSTOS	CUSTOS
Not defined	sp	Q96C90	PP14B_HUMAN	Protein phosphatase 1 regulatory subunit 14B	PPP1R14B
Not defined	sp	Q96CF2	CHM4C_HUMAN	Charged multivesicular body protein 4c	CHMP4C
Not defined	sp	Q96CG8	CTHR1_HUMAN	Collagen triple helix repeat-containing protein 1	CTHRC1
Not defined	sp	Q96CM8	ACSF2_HUMAN	Medium-chain acyl-CoA ligase ACSF2, mitochondrial	ACSF2
Not defined	sp	Q96CN4	EVI5L_HUMAN	EVI5-like protein	EVI5L
Not defined	sp	Q96CN9	GCC1_HUMAN	GRIP and coiled-coil domain-containing protein 1	GCC1
Not defined	sp	Q96CP2	FWCH2_HUMAN	FLYWCH family member 2	FLYWCH2
Not defined	sp	Q96CP6	ASTRA_HUMAN	Protein Aster-A	GRAMD1A
Not defined	sp	Q96CQ1	S2536_HUMAN	Solute carrier family 25 member 36	SLC25A36
Not defined	sp	Q96CS2	HAUS1_HUMAN	HAUS augmin-like complex subunit 1	HAUS1
Not defined	sp	Q96CS3	FAF2_HUMAN	FAS-associated factor 2	FAF2
Not defined	sp	Q96CU9	FXRD1_HUMAN	FAD-dependent oxidoreductase domain-containing protein 1	FOXRED1
Not defined	sp	Q96CW1	AP2M1_HUMAN	AP-2 complex subunit mu	AP2M1
Not defined	sp	Q96CX2	KCD12_HUMAN	BTB/POZ domain-containing protein KCTD12	KCTD12
Not defined	sp	Q96D05	F241B_HUMAN	Protein FAM241B	FAM241B
Not defined	sp	Q96D15	RCN3_HUMAN	Reticulocalbin-3	RCN3
Not defined	sp	Q96D31	CRCM1_HUMAN	Calcium release-activated calcium channel protein 1	ORA1
Not defined	sp	Q96D71	REPS1_HUMAN	RalBP1-associated Eps domain-containing protein 1	REPS1
Not defined	sp	Q96DE0	NUD16_HUMAN	U8 snoRNA-decapping enzyme	NUDT16
Not defined	sp	Q96DI7	SNR40_HUMAN	U5 small nuclear ribonucleoprotein 40 kDa protein	SNRNP40
Not defined	sp	Q96DN5	TBC31_HUMAN	TBC1 domain family member 31	TBC1D31
Not defined	sp	Q96DT5	DYH11_HUMAN	Dynein heavy chain 11, axonemal	DNAH11
Not defined	sp	Q96DX5	ASB9_HUMAN	Ankyrin repeat and SOCS box protein 9	ASB9
Not defined	sp	Q96DZ1	ERLEC_HUMAN	Endoplasmic reticulum lectin 1	ERLEC1
Not defined	sp	Q96DZ5	CLIP3_HUMAN	CAP-Gly domain-containing linker protein 3	CLIP3
Not defined	sp	Q96E22	NGBR_HUMAN	Dehydrodolichyl diphosphate synthase complex subunit NUS1	NUS1
Not defined	sp	Q96E39	RMXL1_HUMAN	RNA binding motif protein, X-linked-like-1	RBMXL1
Not defined	sp	Q96E52	OMA1_HUMAN	Metalloendopeptidase OMA1, mitochondrial	OMA1
Not defined	sp	Q96EC8	YIPF6_HUMAN	Protein YIPF6	YIPF6
Not defined	sp	Q96ED9	HOOK2_HUMAN	Protein Hook homolog 2	HOOK2
Not defined	sp	Q96EH3	MASU1_HUMAN	Mitochondrial assembly of ribosomal large subunit protein 1	MALSU1
Not defined	sp	Q96EI5	TCAL4_HUMAN	Transcription elongation factor A protein-like 4	TCEAL4
Not defined	sp	Q96EK5	KBP_HUMAN	KIF-binding protein	KIFBP
Not defined	sp	Q96EL2	RT24_HUMAN	28S ribosomal protein S24, mitochondrial	MRPS24
Not defined	sp	Q96EN8	MOCOS_HUMAN	Molybdenum cofactor sulfurase	MOCOS
Not defined	sp	Q96EQ0	SGTB_HUMAN	Small glutamine-rich tetratricopeptide repeat-containing protein beta	SGTB
Not defined	sp	Q96ER9	MITOK_HUMAN	Mitochondrial potassium channel	CCDC51
Not defined	sp	Q96E57	SGF29_HUMAN	SAGA-associated factor 29	SGF29
Not defined	sp	Q96EU6	RRP36_HUMAN	Ribosomal RNA processing protein 36 homolog	RRP36
Not defined	sp	Q96EX1	SIM12_HUMAN	Small integral membrane protein 12	SMIM12
Not defined	sp	Q96EY1	DNIA3_HUMAN	DnaJ homolog subfamily A member 3, mitochondrial	DNIA3
Not defined	sp	Q96EY4	TMA16_HUMAN	Translation machinery-associated protein 16	TMA16
Not defined	sp	Q96EY5	MB12A_HUMAN	Multivesicular body subunit 12A	MVB12A
Not defined	sp	Q96EY7	PTCD3_HUMAN	Pentatricopeptide repeat domain-containing protein 3, mitochondrial	PTCD3
Not defined	sp	Q96EY8	MMAB_HUMAN	Corrinoid adenosyltransferase	MMAB
Not defined	sp	Q96F07	CYFP2_HUMAN	Cytoplasmic FMR1-interacting protein 2	CYFP2
Not defined	sp	Q96F63	CCD97_HUMAN	Coiled-coil domain-containing protein 97	CCDC97
Not defined	sp	Q96FH0	BORCS8_HUMAN	BLOC-1-related complex subunit 8	BORCS8
Not defined	sp	Q96FJ2	DYL2_HUMAN	Dynein light chain 2, cytoplasmic	DYNLL2
Not defined	sp	Q96FL9	GLT14_HUMAN	Polypeptide N-acetylgalactosaminyltransferase 14	GALNT14
Not defined	sp	Q96FN4	CPNE2_HUMAN	Copine-2	CPNE2
Not defined	sp	Q96FN9	DTD2_HUMAN	D-aminoacyl-tRNA deacylase 2	DTD2
Not defined	sp	Q96FQ6	S10AG_HUMAN	Protein S100-A16	S100A16
Not defined	sp	Q96FS4	SIPA1_HUMAN	Signal-induced proliferation-associated protein 1	SIPA1
Not defined	sp	Q96FV2	SCRN2_HUMAN	Secernin-2	SCRN2
Not defined	sp	Q96FV9	THOC1_HUMAN	THO complex subunit 1	THOC1
Not defined	sp	Q96FW1	OTUB1_HUMAN	Ubiquitin thioesterase OTUB1	OTUB1
Not defined	sp	Q96FX8	PERP_HUMAN	p53 apoptosis effector related to PMP-22	PERP
Not defined	sp	Q96FZ2	HMCES_HUMAN	Abasic site processing protein HMCES	HMCES
Not defined	sp	Q96FZ7	CHMP6_HUMAN	Charged multivesicular body protein 6	CHMP6
Not defined	sp	Q96G01	BICD1_HUMAN	Protein bicaudal D homolog 1	BICD1
Not defined	sp	Q96G03	PGM2_HUMAN	Phosphoglucomutase-2	PGM2
Not defined	sp	Q96G23	CERS2_HUMAN	Ceramide synthase 2	CERS2
Not defined	sp	Q96G25	MED8_HUMAN	Mediator of RNA polymerase II transcription subunit 8	MED8
Not defined	sp	Q96G28	CFA36_HUMAN	Cilia- and flagella-associated protein 36	CFAP36
Not defined	sp	Q96G61	NUD11_HUMAN	Diphosphoinositol polyphosphate phosphohydrolase 3-beta	NUD11
Not defined	sp	Q96G75	RMD5B_HUMAN	E3 ubiquitin-protein transferase RMD5B	RMD5B
Not defined	sp	Q96GA3	LTV1_HUMAN	Protein LTV1 homolog	LTV1
Not defined	sp	Q96GA7	SDSL_HUMAN	Serine dehydratase-like	SDSL
Not defined	sp	Q96GE4	CEP95_HUMAN	Centrosomal protein of 95 kDa	CEP95
Not defined	sp	Q96GG9	DCN11_HUMAN	DCN1-like protein 1	DCUN1D1
Not defined	sp	Q96GK7	FAH2A_HUMAN	Fumarylacetoacetate hydrolase domain-containing protein 2A	FAHD2A
Not defined	sp	Q96GM5	SMRD1_HUMAN	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 1	SMARCD1
Not defined	sp	Q96GQ7	DDX27_HUMAN	Probable ATP-dependent RNA helicase DDX27	DDX27
Not defined	sp	Q96GW9	SYMM_HUMAN	Methionine-tRNA ligase, mitochondrial	MARS2
Not defined	sp	Q96GX9	MTNB_HUMAN	Methylthioribulose-1-phosphate dehydratase	APIP
Not defined	sp	Q96H20	SNF8_HUMAN	Vacuolar-sorting protein SNF8	SNF8
Not defined	sp	Q96H78	S2544_HUMAN	Solute carrier family 25 member 44	SLC25A44
Not defined	sp	Q96HD1	CREL1_HUMAN	Protein disulfide isomerase CREL1	CREL1
Not defined	sp	Q96HJ3	CCD34_HUMAN	Coiled-coil domain-containing protein 34	CCDC34
Not defined	sp	Q96HM7	PED1B_HUMAN	PC-esterase domain-containing protein 1B	PCED1B
Not defined	sp	Q96HP0	DOCK6_HUMAN	Dedicator of cytokinesis protein 6	DOCK6
Not defined	sp	Q96HQ0	ZNF419_HUMAN	Zinc finger protein 419	ZNF419
Not defined	sp	Q96HQ2	C2AIL_HUMAN	CDKN2AIP N-terminal-like protein	CDKN2AIPNL
Not defined	sp	Q96HR3	MED30_HUMAN	Mediator of RNA polymerase II transcription subunit 30	MED30
Not defined	sp	Q96HR8	NAF1_HUMAN	H/ACA ribonucleoprotein complex non-core subunit NAF1	NAF1
Not defined	sp	Q96HR9	REEP6_HUMAN	Receptor expression-enhancing protein 6	REEP6
Not defined	sp	Q96HS1	PGAM5_HUMAN	Serine/threonine-protein phosphatase PGAM5, mitochondrial	PGAM5
Not defined	sp	Q96HY7	DHTK1_HUMAN	Probable 2-oxoglutarate dehydrogenase E1 component DHKTD1, mitochondrial	DHTKD1

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q96115	SCLY_HUMAN	Selenocysteine lyase	SCLY
Not defined	sp	Q96123	PREY_HUMAN	Protein preY, mitochondrial	PYURF
Not defined	sp	Q96125	SPF45_HUMAN	Splicing factor 45	RBM17
Not defined	sp	Q96136	COX14_HUMAN	Cytochrome c oxidase assembly protein COX14	COX14
Not defined	sp	Q96159	SYNM_HUMAN	Probable asparagine-tRNA ligase, mitochondrial	NARS2
Not defined	sp	Q961F1	AJUBA_HUMAN	LIM domain-containing protein ajuba	AJUBA
Not defined	sp	Q961J6	GMPPA_HUMAN	Mannose-1-phosphate guanylttransferase alpha	GMPPA
Not defined	sp	Q961K1	BOD1_HUMAN	Biorientation of chromosomes in cell division protein 1	BOD1
Not defined	sp	Q961M9	DYDC2_HUMAN	DPY30 domain-containing protein 2	DYDC2
Not defined	sp	Q961R7	HPDL_HUMAN	4-hydroxyphenylpyruvate dioxygenase-like protein	HPDL
Not defined	sp	Q961U4	ABHEB_HUMAN	Protein ABHD14B	ABHD14B
Not defined	sp	Q961V0	NGLY1_HUMAN	Peptide-N(4)-(N-acetyl-beta-glucosaminy)l asparagine amidase	NGLY1
Not defined	sp	Q961Y1	NSL1_HUMAN	Kinetochore-associated protein NSL1 homolog	NSL1
Not defined	sp	Q961Y4	CBPB2_HUMAN	Carboxypeptidase B2	CPB2
Not defined	sp	Q961Z7	RSRC1_HUMAN	Serine/Arginine-related protein 53	RSRC1
Not defined	sp	Q96J01	THOC3_HUMAN	THO complex subunit 3	THOC3
Not defined	sp	Q96J02	ITCH_HUMAN	E3 ubiquitin-protein ligase Itchy homolog	ITCH
Not defined	sp	Q96J65	MRP9_HUMAN	Multidrug resistance-associated protein 9	ABCC12
Not defined	sp	Q96J92	WNK4_HUMAN	Serine/threonine-protein kinase WNK4	WNK4
Not defined	sp	Q96J94	PIWL1_HUMAN	Piwi-like protein 1	PIWL1
Not defined	sp	Q96JB1	DYH8_HUMAN	Dynein heavy chain 8, axonemal	DNAH8
Not defined	sp	Q96JB5	CK5P3_HUMAN	CDK5 regulatory subunit-associated protein 3	CK5RAP3
Not defined	sp	Q96JB8	MPP4_HUMAN	MAGUK p55 subfamily member 4	MPP4
Not defined	sp	Q96JC4	ZN479_HUMAN	Zinc finger protein 479	ZNF479
Not defined	sp	Q96JG6	VP550_HUMAN	Syndetin	VP550
Not defined	sp	Q96J17	SPTCS_HUMAN	Spatacin	SPG11
Not defined	sp	Q96JJ6	JPH4_HUMAN	Junctophilin-4	JPH4
Not defined	sp	Q96JJ7	TMX3_HUMAN	Protein disulfide-isomerase TMX3	TMX3
Not defined	sp	Q96JM2	ZN462_HUMAN	Zinc finger protein 462	ZNF462
Not defined	sp	Q96JN2	CC136_HUMAN	Coiled-coil domain-containing protein 136	CCDC136
Not defined	sp	Q96JP5	ZFP91_HUMAN	E3 ubiquitin-protein ligase ZFP91	ZFP91
Not defined	sp	Q96JQ0	PCD16_HUMAN	Protocadherin-16	DCH51
Not defined	sp	Q96JY6	PDL12_HUMAN	PDZ and LIM domain protein 2	PDLIM2
Not defined	sp	Q96K21	ANCHR_HUMAN	Abscission/NoCut checkpoint regulator	ZFYVE19
Not defined	sp	Q96KAS	CLP1L_HUMAN	Cleft lip and palate transmembrane protein 1-like protein	CLPTM1L
Not defined	sp	Q96KB5	TOPK_HUMAN	Lymphokine-activated killer T-cell-originated protein kinase	PBK
Not defined	sp	Q96KF7	SMIM8_HUMAN	Small integral membrane protein 8	SMIM8
Not defined	sp	Q96KP6	TNIP3_HUMAN	TNFAIP3-interacting protein 3	TNIP3
Not defined	sp	Q96KR1	ZFR_HUMAN	Zinc finger RNA-binding protein	ZFR
Not defined	sp	Q96L14	C170L_HUMAN	Cep170-like protein	CEP170P1
Not defined	sp	Q96L21	RL10L_HUMAN	60S ribosomal protein L10-like	RPL10L
Not defined	sp	Q96L91	EP400_HUMAN	E1A-binding protein p400	EP400
Not defined	sp	Q96L93	K116B_HUMAN	Kinesin-like protein KIF16B	KIF16B
Not defined	sp	Q96L96	ALPK3_HUMAN	Alpha-protein kinase 3	ALPK3
Not defined	sp	Q96LA8	ANM6_HUMAN	Protein arginine N-methyltransferase 6	PRMT6
Not defined	sp	Q96LB1	MRGX2_HUMAN	Mas-related G-protein coupled receptor member X2	MRGPRX2
Not defined	sp	Q96LB3	IFT74_HUMAN	Intraflagellar transport protein 74 homolog	IFT74
Not defined	sp	Q96LM5	CDO45_HUMAN	Uncharacterized protein C4orf45	C4orf45
Not defined	sp	Q96LR5	UB2E2_HUMAN	Ubiquitin-conjugating enzyme E2 E2	UBE2E2
Not defined	sp	Q96LW4	PRIPO_HUMAN	DNA-directed primase/polymerase protein	PRIMPOL
Not defined	sp	Q96LZ2	MAGBA_HUMAN	Melanoma-associated antigen B10	MAGEB10
Not defined	sp	Q96M27	PRRC1_HUMAN	Protein PRRC1	PRRC1
Not defined	sp	Q96M42	CU129_HUMAN	Putative uncharacterized protein encoded by LINC00479	LINC00479
Not defined	sp	Q96M61	MAGB1_HUMAN	Melanoma-associated antigen B18	MAGEB18
Not defined	sp	Q96M86	DNHD1_HUMAN	Dynein heavy chain domain-containing protein 1	DNHD1
Not defined	sp	Q96MC2	DRC1_HUMAN	Dynein regulatory complex protein 1	DRC1
Not defined	sp	Q96MF7	NSE2_HUMAN	E3 SUMO-protein ligase NSE2	NSMCE2
Not defined	sp	Q96MG7	NSE3_HUMAN	Non-structural maintenance of chromosomes element 3 homolog	NSMCE3
Not defined	sp	Q96MH2	HEX12_HUMAN	Protein HEXIM2	HEXIM2
Not defined	sp	Q96MH6	TMM68_HUMAN	Transmembrane protein 68	TMM68
Not defined	sp	Q96MT8	CEP63_HUMAN	Centrosomal protein of 63 kDa	CEP63
Not defined	sp	Q96MU7	YTHDC1_HUMAN	YTH domain-containing protein 1	YTHDC1
Not defined	sp	Q96MW1	CCD43_HUMAN	Coiled-coil domain-containing protein 43	CCDC43
Not defined	sp	Q96MW7	TIGD1_HUMAN	Tigger transposable element-derived protein 1	TIGD1
Not defined	sp	Q96MX6	WDR92_HUMAN	WD repeat-containing protein 92	WDR92
Not defined	sp	Q96N16	JKIP1_HUMAN	Janus kinase and microtubule-interacting protein 1	JAKMIP1
Not defined	sp	Q96N23	CFA54_HUMAN	Cilia- and flagella-associated protein 54	CFAP54
Not defined	sp	Q96N46	TTC14_HUMAN	Tetratricopeptide repeat protein 14	TTC14
Not defined	sp	Q96NB3	ZN830_HUMAN	Zinc finger protein 830	ZNF830
Not defined	sp	Q96NC0	ZMAT2_HUMAN	Zinc finger matrin-type protein 2	ZMAT2
Not defined	sp	Q96ND0	F210A_HUMAN	Protein FAM210A	FAM210A
Not defined	sp	Q96NG3	TTC25_HUMAN	Tetratricopeptide repeat protein 25	TTC25
Not defined	sp	Q96NG8	ZN582_HUMAN	Zinc finger protein 582	ZNF582
Not defined	sp	Q96NS8	CLUHP3_HUMAN	Putative protein CLUHP3	CLUHP3
Not defined	sp	Q96NT0	CC115_HUMAN	Coiled-coil domain-containing protein 115	CCDC115
Not defined	sp	Q96NW4	ANR27_HUMAN	Ankyrin repeat domain-containing protein 27	ANKRD27
Not defined	sp	Q96NW7	LRRC7_HUMAN	Leucine-rich repeat-containing protein 7	LRRC7
Not defined	sp	Q96NV8	NECT4_HUMAN	Nectin-4	NECTIN4
Not defined	sp	Q96P16	RPR1A_HUMAN	Regulation of nuclear pre-mRNA domain-containing protein 1A	RPRD1A
Not defined	sp	Q96P20	NLRP3_HUMAN	NACHT, LRR and PYD domains-containing protein 3	NLRP3
Not defined	sp	Q96P44	COLA1_HUMAN	Collagen alpha-1(XI) chain	COL21A1
Not defined	sp	Q96P48	ARAP1_HUMAN	Arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 1	ARAP1
Not defined	sp	Q96P70	IPO9_HUMAN	Importin-9	IPO9
Not defined	sp	Q96PC5	MIA2_HUMAN	Melanoma inhibitory activity protein 2	MIA2
Not defined	sp	Q96PD2	DCBD2_HUMAN	Discoidin, CUB and LCCL domain-containing protein 2	DCBLD2
Not defined	sp	Q96PE2	ARHG1_HUMAN	Rho guanine nucleotide exchange factor 17	ARHGEF17
Not defined	sp	Q96PE7	MCCE_HUMAN	Methylmalonyl-CoA epimerase, mitochondrial	MCCE
Not defined	sp	Q96PH1	NOX5_HUMAN	NADPH oxidase 5	NOX5
Not defined	sp	Q96PK6	RBM14_HUMAN	RNA-binding protein 14	RBM14
Not defined	sp	Q96PM9	Z385A_HUMAN	Zinc finger protein 385A	ZNF385A

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q96PR1	KCNC2_HUMAN	Potassium voltage-gated channel subfamily C member 2	KCNC2
Not defined	sp	Q96PU4	UHRF2_HUMAN	E3 ubiquitin-protein ligase UHRF2	UHRF2
Not defined	sp	Q96PU8	QKI_HUMAN	Protein quaking	QKI
Not defined	sp	Q96PX9	PKH4B_HUMAN	Pleckstrin homology domain-containing family G member 4B	PLEKHG4B
Not defined	sp	Q96P20	PUS7_HUMAN	Pseudouridylate synthase 7 homolog	PUS7
Not defined	sp	Q96Q11	TRNT1_HUMAN	CCA tRNA nucleotidyltransferase 1, mitochondrial	TRNT1
Not defined	sp	Q96Q40	CDK15_HUMAN	Cyclin-dependent kinase 15	CDK15
Not defined	sp	Q96Q42	ALS2_HUMAN	Alsin	ALS2
Not defined	sp	Q96Q45	TM237_HUMAN	Transmembrane protein 237	TMEM237
Not defined	sp	Q96Q83	ALKB3_HUMAN	Alpha-ketoglutarate-dependent dioxygenase alkB homolog 3	ALKBH3
Not defined	sp	Q96Q91	B3A4_HUMAN	Anion exchange protein 4	SLC4A9
Not defined	sp	Q96QB1	RHG07_HUMAN	Rho GTPase-activating protein 7	DLC1
Not defined	sp	Q96QC0	PP1RA_HUMAN	Serine/threonine-protein phosphatase 1 regulatory subunit 10	PPP1R10
Not defined	sp	Q96QD5	DEPD7_HUMAN	DEP domain-containing protein 7	DEPDC7
Not defined	sp	Q96QD8	S38A2_HUMAN	Sodium-coupled neutral amino acid transporter 2	SLC38A2
Not defined	sp	Q96Q1	VPS35_HUMAN	Vacuolar protein sorting-associated protein 35	VPS35
Not defined	sp	Q96QR8	PURB_HUMAN	Transcriptional activator protein Pur-beta	PURB
Not defined	sp	Q96QT4	TRPM7_HUMAN	Transient receptor potential cation channel subfamily M member 7	TRPM7
Not defined	sp	Q96Q27	MAGI1_HUMAN	Membrane-associated guanylate kinase, WW and PDZ domain-containing protein 1	MAGI1
Not defined	sp	Q96R05	RET7_HUMAN	Retinoid-binding protein 7	RBP7
Not defined	sp	Q96RD7	PANX1_HUMAN	Pannexin-1	PANX1
Not defined	sp	Q96R6	FER3L_HUMAN	Fer3-like protein	FER3DL
Not defined	sp	Q96RN5	MED15_HUMAN	Mediator of RNA polymerase II transcription subunit 15	MED15
Not defined	sp	Q96RQ1	ERG12_HUMAN	Endoplasmic reticulum-Golgi intermediate compartment protein 2	ERGIC2
Not defined	sp	Q96RS6	NUDC1_HUMAN	NudC domain-containing protein 1	NUDCD1
Not defined	sp	Q96RT7	GCP6_HUMAN	Gamma-tubulin complex component 6	TUBGCP6
Not defined	sp	Q96RT8	GCP5_HUMAN	Gamma-tubulin complex component 5	TUBGCP5
Not defined	sp	Q96RU3	FNBP1_HUMAN	Formin-binding protein 1	FNBP1
Not defined	sp	Q96RU8	TRIB1_HUMAN	Tribbles homolog 1	TRIB1
Not defined	sp	Q96RV3	PCX1_HUMAN	Pecanex-like protein 1	PCNX1
Not defined	sp	Q96RW7	HMCN1_HUMAN	Hemicentin-1	HMCN1
Not defined	sp	Q96RY7	IFT140_HUMAN	Intraflagellar transport protein 140 homolog	IFT140
Not defined	sp	Q96S19	MTL26_HUMAN	Methyltransferase-like 26	METTL26
Not defined	sp	Q96S44	PRPK_HUMAN	EKC/KEOPS complex subunit TP53RK	TP53RK
Not defined	sp	Q96S52	PIGS_HUMAN	GPI transamidase component PIG-5	PIGS
Not defined	sp	Q96S55	WRIP1_HUMAN	ATPase WRNIP1	WRNIP1
Not defined	sp	Q96S82	UBL7_HUMAN	Ubiquitin-like protein 7	UBL7
Not defined	sp	Q96S86	HPLN3_HUMAN	Hyaluronan and proteoglycan link protein 3	HAPLN3
Not defined	sp	Q96S97	MYADM_HUMAN	Myeloid-associated differentiation marker	MYADM
Not defined	sp	Q96S99	PKHF1_HUMAN	Pleckstrin homology domain-containing family F member 1	PLEKHF1
Not defined	sp	Q96SB3	NEB2_HUMAN	Neurabin-2	PPP1R9B
Not defined	sp	Q96SB4	SRPK1_HUMAN	SRSF protein kinase 1	SRPK1
Not defined	sp	Q96SD1	DCR1C_HUMAN	Protein artemis	DCLRE1C
Not defined	sp	Q96SE7	ZN347_HUMAN	Zinc finger protein 347	ZNF347
Not defined	sp	Q96S19	STRBP_HUMAN	Spermatid perinuclear RNA-binding protein	STRBP
Not defined	sp	Q96ST2	IWS1_HUMAN	Protein IWS1 homolog	IWS1
Not defined	sp	Q96ST3	SIN3A_HUMAN	Paired amphipathic helix protein Sin3a	SIN3A
Not defined	sp	Q96ST8	CEP89_HUMAN	Centrosomal protein of 89 kDa	CEP89
Not defined	sp	Q96SU4	OSBL9_HUMAN	Oxysterol-binding protein-related protein 9	OSBP19
Not defined	sp	Q96SV0	IINT14_HUMAN	Integrator complex subunit 14	IINTS14
Not defined	sp	Q96S24	ZSC10_HUMAN	Zinc finger and SCAN domain-containing protein 10	ZSCAN10
Not defined	sp	Q96S25	AEDO_HUMAN	2-aminoethanethiol dioxygenase	ADO
Not defined	sp	Q96T17	MAP7D2_HUMAN	MAP7 domain-containing protein 2	MAP7D2
Not defined	sp	Q96T23	RSF1_HUMAN	Remodeling and spacing factor 1	RSF1
Not defined	sp	Q96T37	RBM15_HUMAN	RNA-binding protein 15	RBM15
Not defined	sp	Q96T51	RUFY1_HUMAN	RUN and FYVE domain-containing protein 1	RUFY1
Not defined	sp	Q96T52	IMP2L_HUMAN	Mitochondrial inner membrane protease subunit 2	IMMP2L
Not defined	sp	Q96T55	KCNKG_HUMAN	Potassium channel subfamily K member 16	KCNK16
Not defined	sp	Q96T58	MINT_HUMAN	Msx2-interacting protein	SPEN
Not defined	sp	Q96T60	PNKP_HUMAN	Bifunctional polynucleotide phosphatase/kinase	PNKP
Not defined	sp	Q96T76	MMS19_HUMAN	MMS19 nucleotide excision repair protein homolog	MMS19
Not defined	sp	Q96T88	UHRF1_HUMAN	E3 ubiquitin-protein ligase UHRF1	UHRF1
Not defined	sp	Q96TA1	NIBA2_HUMAN	Protein Niban 2	NIBAN2
Not defined	sp	Q96TC7	RMD3_HUMAN	Regulator of microtubule dynamics protein 3	RMDN3
Not defined	sp	Q99081	HTF4_HUMAN	Transcription factor 12	TCF12
Not defined	sp	Q99102	MUC4_HUMAN	Mucin-4	MUC4
Not defined	sp	Q99435	NELL2_HUMAN	Protein kinase C-binding protein NELL2	NELL2
Not defined	sp	Q99442	SEC62_HUMAN	Translocation protein SEC62	SEC62
Not defined	sp	Q99459	CDC5L_HUMAN	Cell division cycle 5-like protein	CDC5L
Not defined	sp	Q99460	PSMD1_HUMAN	26S proteasome non-ATPase regulatory subunit 1	PSMD1
Not defined	sp	Q99496	RING2_HUMAN	E3 ubiquitin-protein ligase RING2	RNF2
Not defined	sp	Q99501	GA2L1_HUMAN	GAS2-like protein 1	GAS2L1
Not defined	sp	Q99518	FMO2_HUMAN	Dimethylamine monooxygenase [N-oxide-forming] 2	FMO2
Not defined	sp	Q99523	SORT_HUMAN	Sortilin	SORT1
Not defined	sp	Q99538	LGMN_HUMAN	Legumain	LGMN
Not defined	sp	Q99541	PLIN2_HUMAN	Perilipin-2	PLIN2
Not defined	sp	Q99543	DNAJC2_HUMAN	DnaJ homolog subfamily C member 2	DNAJC2
Not defined	sp	Q99547	MPH6_HUMAN	M-phase phosphoprotein 6	MPHOSPH6
Not defined	sp	Q99558	M3K14_HUMAN	Mitogen-activated protein kinase kinase kinase 14	MAP3K14
Not defined	sp	Q99567	NUP88_HUMAN	Nuclear pore complex protein Nup88	NUP88
Not defined	sp	Q99571	P2RX4_HUMAN	P2X purinoceptor 4	P2RX4
Not defined	sp	Q99575	POP1_HUMAN	Ribonucleases P/MRP protein subunit POP1	POP1
Not defined	sp	Q99581	FEV_HUMAN	Protein FEV	FEV
Not defined	sp	Q99584	S10AD_HUMAN	Protein S100-A13	S100A13
Not defined	sp	Q99590	SCAFB_HUMAN	Protein SCAF11	SCAF11
Not defined	sp	Q99595	TI17A_HUMAN	Mitochondrial import inner membrane translocase subunit Tim17-A	TIMM17A
Not defined	sp	Q99611	SPS2_HUMAN	Selenide, water dikinase 2	SEPHS2
Not defined	sp	Q99613	EIF3C_HUMAN	Eukaryotic translation initiation factor 3 subunit C	EIF3C
Not defined	sp	Q99615	DNAJC7_HUMAN	DnaJ homolog subfamily C member 7	DNAJC7
Not defined	sp	Q99618	CDCA3_HUMAN	Cell division cycle-associated protein 3	CDCA3

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q99622	C10_HUMAN	Protein C10	C12orf57
Not defined	sp	Q99623	PHB2_HUMAN	Prohibitin-2	PHB2
Not defined	sp	Q99643	C560_HUMAN	Succinate dehydrogenase cytochrome b560 subunit, mitochondrial	SDHC
Not defined	sp	Q99653	CHP1_HUMAN	Calcineurin B homologous protein 1	CHP1
Not defined	sp	Q99674	CGRE1_HUMAN	Cell growth regulator with EF hand domain protein 1	CGREF1
Not defined	sp	Q99700	ATX2_HUMAN	Ataxin-2	ATXN2
Not defined	sp	Q99719	SEPT5_HUMAN	Septin-5	SEPTIN5
Not defined	sp	Q99732	LITAF_HUMAN	Lipopolysaccharide-induced tumor necrosis factor-alpha factor	LITAF
Not defined	sp	Q99735	MGST2_HUMAN	Microsomal glutathione S-transferase 2	MGST2
Not defined	sp	Q99742	NPAS1_HUMAN	Neuronal PAS domain-containing protein 1	NPAS1
Not defined	sp	Q99747	SNAG_HUMAN	Gamma-soluble NSF attachment protein	NAPG
Not defined	sp	Q99757	THIOM_HUMAN	Thioedoxin, mitochondrial	TXN2
Not defined	sp	Q99758	ABCA3_HUMAN	ATP-binding cassette sub-family A member 3	ABCA3
Not defined	sp	Q99766	ATP5S_HUMAN	ATP synthase subunit s, mitochondrial	DMAC2L
Not defined	sp	Q99797	MIPEP_HUMAN	Mitochondrial intermediate peptidase	MIPEP
Not defined	sp	Q99805	TM9S2_HUMAN	Transmembrane 9 superfamily member 2	TM9SF2
Not defined	sp	Q99807	COQ7_HUMAN	5-demethoxyubiquinone hydroxylase, mitochondrial	COQ7
Not defined	sp	Q99808	S29A1_HUMAN	Equilibrative nucleoside transporter 1	SLC29A1
Not defined	sp	Q99816	TS101_HUMAN	Tumor susceptibility gene 101 protein	TSG101
Not defined	sp	Q99828	CIB1_HUMAN	Calcium and integrin-binding protein 1	CIB1
Not defined	sp	Q99832	TCPH_HUMAN	T-complex protein 1 subunit eta	CCT7
Not defined	sp	Q99865	SPI2A_HUMAN	Spindlin-2A	SPIN2A
Not defined	sp	Q99928	GBRG3_HUMAN	Gamma-aminobutyric acid receptor subunit gamma-3	GABRG3
Not defined	sp	Q99933	BAG1_HUMAN	BAG family molecular chaperone regulator 1	BAG1
Not defined	sp	Q99961	SH3G1_HUMAN	Endophilin-A2	SH3GL1
Not defined	sp	Q99962	SH3G2_HUMAN	Endophilin-A1	SH3GL2
Not defined	sp	Q99973	TEP1_HUMAN	Telomerase protein component 1	TEP1
Not defined	sp	Q99985	SEM3C_HUMAN	Semaphorin-3C	SEMA3C
Not defined	sp	Q99988	GDF15_HUMAN	Growth/differentiation factor 15	GDF15
Not defined	sp	Q99996	AKAP9_HUMAN	A-kinase anchor protein 9	AKAP9
Not defined	sp	Q9BP06	DPYL5_HUMAN	Dihydropyrimidinase-related protein 5	DPYSL5
Not defined	sp	Q9BPX7	CGO25_HUMAN	UPF0415 protein C7orf25	C7orf25
Not defined	sp	Q9BPZ2	SPI2B_HUMAN	Spindlin-2B	SPIN2B
Not defined	sp	Q9BPZ3	PAIP2_HUMAN	Polyadenylate-binding protein-interacting protein 2	PAIP2
Not defined	sp	Q9BQ04	RBM4B_HUMAN	RNA-binding protein 4B	RBM4B
Not defined	sp	Q9BQ15	SOSB1_HUMAN	SOSS complex subunit B1	NABP2
Not defined	sp	Q9BQ39	DDX50_HUMAN	ATP-dependent RNA helicase DDX50	DDX50
Not defined	sp	Q9BQ48	RM34_HUMAN	39S ribosomal protein L34, mitochondrial	MRPL34
Not defined	sp	Q9BQ52	RN22_HUMAN	Zinc phosphodiesterase ELAC protein 2	ELAC2
Not defined	sp	Q9BQ67	GRWD1_HUMAN	Glutamate-rich WD repeat-containing protein 1	GRWD1
Not defined	sp	Q9BQ70	TCF25_HUMAN	Transcription factor 25	TCF25
Not defined	sp	Q9BQ75	CMS1_HUMAN	Protein CMSS1	CMSS1
Not defined	sp	Q9BQ87	TBL1Y_HUMAN	F-box-like/WD repeat-containing protein TBL1Y	TBL1Y
Not defined	sp	Q9BQ95	EC5IT_HUMAN	Evolutionarily conserved signaling intermediate in Toll pathway, mitochondrial	EC5IT
Not defined	sp	Q9BQC3	DPH2_HUMAN	2-(3- amino-3- carboxypropyl)histidine synthase subunit 2	DPH2
Not defined	sp	Q9BQC6	RT63_HUMAN	Ribosomal protein 63, mitochondrial	MRPL57
Not defined	sp	Q9BQE4	SELS_HUMAN	Selenoprotein S	SELENOS
Not defined	sp	Q9BQE5	APOL2_HUMAN	Apolipoprotein L2	APOL2
Not defined	sp	Q9BQE9	BCL7B_HUMAN	B-cell CLL/lymphoma 7 protein family member B	BCL7B
Not defined	sp	Q9BQG0	IMBB1A_HUMAN	Myb-binding protein 1A	MYBBP1A
Not defined	sp	Q9BQ10	AIF1L_HUMAN	Allograft inflammatory factor 1-like	AIF1L
Not defined	sp	Q9BQ7	MGME1_HUMAN	Mitochondrial genome maintenance exonuclease 1	MGME1
Not defined	sp	Q9BQ58	FYCO1_HUMAN	FYVE and coiled-coil domain-containing protein 1	FYCO1
Not defined	sp	Q9BR09	NEUL2_HUMAN	Neuralized-like protein 2	NEURL2
Not defined	sp	Q9BR11	ZSWM1_HUMAN	Zinc finger SWIM domain-containing protein 1	ZSWM1
Not defined	sp	Q9BRF8	CPPED_HUMAN	Serine/threonine-protein phosphatase CPPED1	CPPED1
Not defined	sp	Q9BRG1	VPS25_HUMAN	Vacuolar protein-sorting-associated protein 25	VPS25
Not defined	sp	Q9BRK4	LZTS2_HUMAN	Leucine zipper putative tumor suppressor 2	LZTS2
Not defined	sp	Q9BRK5	CAB45_HUMAN	45 kDa calcium-binding protein	SDF4
Not defined	sp	Q9BRP1	PDD2L_HUMAN	Programmed cell death protein 2-like	PDCD2L
Not defined	sp	Q9BRP4	PAAF1_HUMAN	Proteasomal ATPase-associated factor 1	PAAF1
Not defined	sp	Q9BRP7	FDXA1_HUMAN	Ferredoxin-fold anticodon-binding domain-containing protein 1	FDXACB1
Not defined	sp	Q9BRQ0	PYG02_HUMAN	Pygopus homolog 2	PYG02
Not defined	sp	Q9BRQ6	MIC25_HUMAN	MICOS complex subunit MIC25	CHCHD6
Not defined	sp	Q9BRQ8	FSP1_HUMAN	Ferroptosis suppressor protein 1	AIFM2
Not defined	sp	Q9BRR6	ADPGK_HUMAN	ADP-dependent glucokinase	ADPGK
Not defined	sp	Q9BRR8	GPTC1_HUMAN	G patch domain-containing protein 1	GPATCH1
Not defined	sp	Q9BRT2	UQC22_HUMAN	Ubiquinol-cytochrome-c reductase complex assembly factor 2	UQC22
Not defined	sp	Q9BRT3	MIEN1_HUMAN	Migration and invasion enhancer 1	MIEN1
Not defined	sp	Q9BRT6	LLPH_HUMAN	Protein LLP homolog	LLPH
Not defined	sp	Q9BRT8	CBWD1_HUMAN	COBW domain-containing protein 1	CBWD1
Not defined	sp	Q9BRT9	SLD5_HUMAN	DNA replication complex GINS protein SLD5	GINS4
Not defined	sp	Q9BRU2	TCAL7_HUMAN	Transcription elongation factor A protein-like 7	TCEAL7
Not defined	sp	Q9BRX5	PSF3_HUMAN	DNA replication complex GINS protein PSF3	GINS3
Not defined	sp	Q9BS16	CENPK_HUMAN	Centromere protein K	CENPK
Not defined	sp	Q9BS40	LXN_HUMAN	Latexin	LXN
Not defined	sp	Q9BS92	NPS3B_HUMAN	Protein NipSnap homolog 3B	NIPSNAP3B
Not defined	sp	Q9BSB4	ATGA1_HUMAN	Autophagy-related protein 101	ATG101
Not defined	sp	Q9BSF5	SPEB_HUMAN	Agmatinase, mitochondrial	AGMAT
Not defined	sp	Q9BSF4	TIM29_HUMAN	Mitochondrial import inner membrane translocase subunit Tim29	TIMM29
Not defined	sp	Q9BSH4	TACO1_HUMAN	Translational activator of cytochrome c oxidase 1	TACO1
Not defined	sp	Q9BSH5	HDHD3_HUMAN	Haloacid dehalogenase-like hydrolase domain-containing protein 3	HDHD3
Not defined	sp	Q9BSL1	UBAC1_HUMAN	Ubiquitin-associated domain-containing protein 1	UBAC1
Not defined	sp	Q9BSO5	CCM2_HUMAN	Cerebral cavernous malformations 2 protein	CCM2
Not defined	sp	Q9BSR8	YIPF4_HUMAN	Protein YIPF4	YIPF4
Not defined	sp	Q9BSU3	NAA11_HUMAN	N-alpha-acetyltransferase 11	NAA11
Not defined	sp	Q9BSV6	SEN34_HUMAN	tRNA-splicing endonuclease subunit Sen34	TSEN34
Not defined	sp	Q9BT09	CNPY3_HUMAN	Protein canopy homolog 3	CNPY3
Not defined	sp	Q9BT30	ALKB7_HUMAN	Alpha-ketoglutarate-dependent dioxygenase alkB homolog 7, mitochondrial	ALKBH7
Not defined	sp	Q9BT73	PSMG3_HUMAN	Proteasome assembly chaperone 3	PSMG3

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Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q9BT78	CSN4_HUMAN	COP9 signalosome complex subunit 4	COPS4
Not defined	sp	Q9BTC0	DIDO1_HUMAN	Death-inducer obliterator 1	DIDO1
Not defined	sp	Q9BTC8	MTA3_HUMAN	Metastasis-associated protein MTA3	MTA3
Not defined	sp	Q9BDT8	RBM42_HUMAN	RNA-binding protein 42	RBM42
Not defined	sp	Q9BT00	NAT9_HUMAN	N-acetyltransferase 9	NAT9
Not defined	sp	Q9BTL3	RAMAC_HUMAN	RNA guanine-N7 methyltransferase activating subunit	RAMAC
Not defined	sp	Q9BTT4	MED10_HUMAN	Mediator of RNA polymerase II transcription subunit 10	MED10
Not defined	sp	Q9BTV5	FSD1_HUMAN	Fibronectin type III and SPRY domain-containing protein 1	FSD1
Not defined	sp	Q9BTY2	FUCO2_HUMAN	Plasma alpha-L-fucosidase	FUCA2
Not defined	sp	Q9BTY7	HGH1_HUMAN	Protein HGH1 homolog	HGH1
Not defined	sp	Q9BTZ2	DHRS4_HUMAN	Dehydrogenase/reductase SDR family member 4	DHRS4
Not defined	sp	Q9BUD6	SPON2_HUMAN	Spondin-2	SPON2
Not defined	sp	Q9BUG6	ZSASA_HUMAN	Zinc finger and SCAN domain-containing protein 5A	ZSCAN5A
Not defined	sp	Q9BUH6	PAXX_HUMAN	Protein PAXX	PAXX
Not defined	sp	Q9BUH8	BEGIN_HUMAN	Brain-enriched guanylate kinase-associated protein	BEGAIN
Not defined	sp	Q9BUK0	CHCH7_HUMAN	Coiled-coil-helix-coiled-coil-helix domain-containing protein 7	CHCHD7
Not defined	sp	Q9BUL5	PHF23_HUMAN	PHD finger protein 23	PHF23
Not defined	sp	Q9BUL9	RPP25_HUMAN	Ribonuclease P protein subunit p25	RPP25
Not defined	sp	Q9BUP0	EFHD1_HUMAN	EF-hand domain-containing protein D1	EFHD1
Not defined	sp	Q9BUQ8	DDX23_HUMAN	Probable ATP-dependent RNA helicase DDX23	DDX23
Not defined	sp	Q9BUR5	MIC26_HUMAN	MICOS complex subunit MIC26	AP00
Not defined	sp	Q9BU11	BDH2_HUMAN	3-hydroxybutyrate dehydrogenase type 2	BDH2
Not defined	sp	Q9BUT9	MCR12_HUMAN	MAPK regulated corepressor interacting protein 2	MCRIP2
Not defined	sp	Q9BUV0	RSRP1_HUMAN	Arginine/serine-rich protein 1	RSRP1
Not defined	sp	Q9BU11	CHAC1_HUMAN	Glutathione-specific gamma-glutamylcyclotransferase 1	CHAC1
Not defined	sp	Q9BV19	CA050_HUMAN	Uncharacterized protein C1orf50	C1orf50
Not defined	sp	Q9BV38	WDR18_HUMAN	WD repeat-containing protein 18	WDR18
Not defined	sp	Q9BV79	MECR_HUMAN	Enoyl-[acyl-carrier-protein] reductase, mitochondrial	MECR
Not defined	sp	Q9BV86	NTM1A_HUMAN	N-terminal Xaa-Pro-Lys N-methyltransferase 1	NTMT1
Not defined	sp	Q9BVC5	ASHWN_HUMAN	Ashwin	C2orf49
Not defined	sp	Q9BVG4	PBDC1_HUMAN	Protein PBDC1	PBDC1
Not defined	sp	Q9BV68	KIFC3_HUMAN	Kinesin-like protein KIFC3	KIFC3
Not defined	sp	Q9BV16	UT14A_HUMAN	U3 small nucleolar RNA-associated protein 14 homolog A	UTP14A
Not defined	sp	Q9BV17	DUS23_HUMAN	Dual specificity protein phosphatase 23	DUSP23
Not defined	sp	Q9BVL4	SELO_HUMAN	Protein adenyltransferase SeLO, mitochondrial	SELENOO
Not defined	sp	Q9BVM4	GGACT_HUMAN	Gamma-glutamylaminocyclotransferase	GGACT
Not defined	sp	Q9BVP2	GNL3_HUMAN	Guanine nucleotide-binding protein-like 3	GNL3
Not defined	sp	Q9BV78	TMUB1_HUMAN	Transmembrane and ubiquitin-like domain-containing protein 1	TMUB1
Not defined	sp	Q9BW04	SARG_HUMAN	Specifically androgen-regulated gene protein	SARG
Not defined	sp	Q9BW19	KIFC1_HUMAN	Kinesin-like protein KIFC1	KIFC1
Not defined	sp	Q9BW27	NUP85_HUMAN	Nuclear pore complex protein Nup85	NUP85
Not defined	sp	Q9BW61	DDA1_HUMAN	DET1- and DDB1-associated protein 1	DDA1
Not defined	sp	Q9BW72	HIG2A_HUMAN	HIG1 domain family member 2A, mitochondrial	HIG20A
Not defined	sp	Q9BW83	IFT27_HUMAN	Intraflagellar transport protein 27 homolog	IFT27
Not defined	sp	Q9BW85	YJU2_HUMAN	Splicing factor YJU2	YJU2
Not defined	sp	Q9BW91	NUDT9_HUMAN	ADP-ribose pyrophosphatase, mitochondrial	NUDT9
Not defined	sp	Q9BWD1	THIC_HUMAN	Acetyl-CoA acetyltransferase, cytosolic	ACAT2
Not defined	sp	Q9BWD3	RTL8A_HUMAN	Retrotransposon Gag-like protein 8A	RTL8A
Not defined	sp	Q9BWF3	RBM4_HUMAN	RNA-binding protein 4	RBM4
Not defined	sp	Q9BWH2	FUND2_HUMAN	FUN14 domain-containing protein 2	FUND2
Not defined	sp	Q9BWJ5	SF3B5_HUMAN	Splicing factor 3B subunit 5	SF3B5
Not defined	sp	Q9BWS9	CHID1_HUMAN	Chitinase domain-containing protein 1	CHID1
Not defined	sp	Q9BX40	LS14B_HUMAN	Protein LSM14 homolog B	LSM14B
Not defined	sp	Q9BX46	RBM24_HUMAN	RNA-binding protein 24	RBM24
Not defined	sp	Q9BX67	JAM3_HUMAN	Junctional adhesion molecule C	JAM3
Not defined	sp	Q9BX82	ZN471_HUMAN	Zinc finger protein 471	ZNF471
Not defined	sp	Q9BX97	PLVAP_HUMAN	Plasmalemma vesicle-associated protein	PLVAP
Not defined	sp	Q9BXA6	TSSK6_HUMAN	Testis-specific serine/threonine-protein kinase 6	TSSK6
Not defined	sp	Q9BXE9	VN1R3_HUMAN	Vomerolateral type-1 receptor 3	VN1R3
Not defined	sp	Q9BXF3	CECR2_HUMAN	Cat eye syndrome critical region protein 2	CECR2
Not defined	sp	Q9BXF9	TEKT3_HUMAN	Tektin-3	TEKT3
Not defined	sp	Q9BXG8	SPZ1_HUMAN	Spermatogenic leucine zipper protein 1	SPZ1
Not defined	sp	Q9BXJ1	C1QTF1_HUMAN	Complement C1q tumor necrosis factor-related protein 1	C1QTNF1
Not defined	sp	Q9BXI9	NAA15_HUMAN	N-alpha-acetyltransferase 15, NatA auxiliary subunit	NAA15
Not defined	sp	Q9BXX1	KLF16_HUMAN	Kruppel-like factor 16	KLF16
Not defined	sp	Q9BXL7	CAR11_HUMAN	Caspase recruitment domain-containing protein 11	CARD11
Not defined	sp	Q9BXN1	ASPN_HUMAN	Asporin	ASPN
Not defined	sp	Q9BXP2	S12A9_HUMAN	Solute carrier family 12 member 9	SLC12A9
Not defined	sp	Q9BXP5	SRRT_HUMAN	Serrate RNA effector molecule homolog	SRRT
Not defined	sp	Q9BX54	TMM59_HUMAN	Transmembrane protein 59	TMM59
Not defined	sp	Q9BX55	AP1M1_HUMAN	AP-1 complex subunit mu-1	AP1M1
Not defined	sp	Q9BXT2	CCG6_HUMAN	Voltage-dependent calcium channel gamma-6 subunit	CACNG6
Not defined	sp	Q9BXT5	TEX15_HUMAN	Testis-expressed protein 15	TEX15
Not defined	sp	Q9BXT8	RNF17_HUMAN	RING finger protein 17	RNF17
Not defined	sp	Q9BXU7	UBP26_HUMAN	Ubiquitin carboxyl-terminal hydrolase 26	USP26
Not defined	sp	Q9BXV9	GON7_HUMAN	EKC/KEOPS complex subunit GON7	GON7
Not defined	sp	Q9BXW6	OSBL1_HUMAN	Oxysterol-binding protein-related protein 1	OSBPL1A
Not defined	sp	Q9BXW7	HDHD5_HUMAN	Haloacid dehalogenase-like hydrolase domain-containing 5	HDHD5
Not defined	sp	Q9BXX2	ANK30B_HUMAN	Ankyrin repeat domain-containing protein 30B	ANKRD30B
Not defined	sp	Q9BXV0	MAK16_HUMAN	Protein MAK16 homolog	MAK16
Not defined	sp	Q9BY07	S4A5_HUMAN	Electrogenic sodium bicarbonate cotransporter 4	SLC4A5
Not defined	sp	Q9BY11	PACN1_HUMAN	Protein kinase C and casein kinase substrate in neurons protein 1	PACSN1
Not defined	sp	Q9BY32	ITPA_HUMAN	Inosine triphosphate pyrophosphatase	ITPA
Not defined	sp	Q9BY41	HDAC8_HUMAN	Histone deacetylase 8	HDAC8
Not defined	sp	Q9BY42	RTF2_HUMAN	Replication termination factor 2	RTF2
Not defined	sp	Q9BY49	PECR_HUMAN	Peroxisomal trans-2-enoyl-CoA reductase	PECR
Not defined	sp	Q9BY77	PDIP3_HUMAN	Polymerase delta-interacting protein 3	POLDIP3
Not defined	sp	Q9BY89	K1671_HUMAN	Uncharacterized protein KIAA1671	KIAA1671
Not defined	sp	Q9BY80	SHAN3_HUMAN	SH3 and multiple ankyrin repeat domains protein 3	SHANK3
Not defined	sp	Q9BYC2	SCOT2_HUMAN	Succinyl-CoA:3-ketoacid coenzyme A transferase 2, mitochondrial	OXCT2

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q9BYC5	FUT8_HUMAN	Alpha-(1,6)-fucosyltransferase	FUT8
Not defined	sp	Q9BYC8	RM32_HUMAN	39S ribosomal protein L32, mitochondrial	MRPL32
Not defined	sp	Q9BYC9	RM20_HUMAN	39S ribosomal protein L20, mitochondrial	MRPL20
Not defined	sp	Q9BYD2	RM09_HUMAN	39S ribosomal protein L9, mitochondrial	MRPL9
Not defined	sp	Q9BYJ9	YTHD1_HUMAN	YTH domain-containing family protein 1	YTHDF1
Not defined	sp	Q9BYK8	HELZ2_HUMAN	Helicase with zinc finger domain 2	HELZ2
Not defined	sp	Q9BYM8	HOIL1_HUMAN	RanBP-type and C3HC4-type zinc finger-containing protein 1	RBCK1
Not defined	sp	Q9BYN0	SRXN1_HUMAN	Sulfiredoxin-1	SRXN1
Not defined	sp	Q9BYN7	ZN341_HUMAN	Zinc finger protein 341	ZNF341
Not defined	sp	Q9BYN8	RT26_HUMAN	28S ribosomal protein S26, mitochondrial	MRPS26
Not defined	sp	Q9BYT8	NEUL_HUMAN	Neurolysin, mitochondrial	NLN
Not defined	sp	Q9BYU1	PBX4_HUMAN	Pre-B-cell leukemia transcription factor 4	PBX4
Not defined	sp	Q9BYV8	CEP41_HUMAN	Centrosomal protein of 41 kDa	CEP41
Not defined	sp	Q9BYW2	SETD2_HUMAN	Histone-lysine N-methyltransferase SETD2	SETD2
Not defined	sp	Q9BYZ2	LDH6B_HUMAN	L-lactate dehydrogenase A-like 6B	LDHAL6B
Not defined	tr	Q9BZC5	Q9BZC5_HUMAN	G_PROTEIN_RECEP_F1_2 domain-containing protein	FKSG35
Not defined	sp	Q9BZC7	ABCA2_HUMAN	ATP-binding cassette sub-family A member 2	ABCA2
Not defined	sp	Q9BZD3	GCOM2_HUMAN	Putative GRINL1B complex locus protein 2	GCOM2
Not defined	sp	Q9BZE0	GLIS2_HUMAN	Zinc finger protein GLIS2	GLIS2
Not defined	sp	Q9BZE9	ASPC1_HUMAN	Tether containing UBX domain for GLUT4	ASPSCR1
Not defined	sp	Q9BZF1	OSBL8_HUMAN	Oxysterol-binding protein-related protein 8	OSBPL8
Not defined	sp	Q9BZF2	OSBL7_HUMAN	Oxysterol-binding protein-related protein 7	OSBPL7
Not defined	sp	Q9BZF9	UACA_HUMAN	Uveal autoantigen with coiled-coil domains and ankyrin repeats	UACA
Not defined	sp	Q9BZG8	DPH1_HUMAN	2-(3-amino-3-carboxypropyl)histidine synthase subunit 1	DPH1
Not defined	sp	Q9BZI7	REN3B_HUMAN	Regulator of nonsense transcripts 3B	UPF3B
Not defined	sp	Q9BZK7	TBL1R_HUMAN	F-box-like/WD repeat-containing protein TBL1XR1	TBL1XR1
Not defined	sp	Q9BZL1	UBL5_HUMAN	Ubiquitin-like protein 5	UBL5
Not defined	sp	Q9BZP6	CHIA_HUMAN	Acidic mammalian chitinase	CHIA
Not defined	sp	Q9BZQ8	NIBA1_HUMAN	Protein Niban 1	NIBAN1
Not defined	sp	Q9BZV1	UBXN6_HUMAN	UBX domain-containing protein 6	UBXN6
Not defined	sp	Q9BZW7	TSG10_HUMAN	Testis-specific gene 10 protein	TSGA10
Not defined	sp	Q9BZX2	UCK2_HUMAN	Uridine-cytidine kinase 2	UCK2
Not defined	sp	Q9BZZ2	SN_HUMAN	Sialoadhesin	SIGLEC1
Not defined	sp	Q9BZZ5	API5_HUMAN	Apoptosis inhibitor 5	API5
Not defined	sp	Q9C002	NMES1_HUMAN	Normal mucosa of esophagus-specific gene 1 protein	NMES1
Not defined	sp	Q9C091	GRB1L_HUMAN	GREB1-like protein	GREB1L
Not defined	sp	Q9C093	SPEF2_HUMAN	Sperm flagellar protein 2	SPEF2
Not defined	sp	Q9C098	DCLK3_HUMAN	Serine/threonine-protein kinase DCLK3	DCLK3
Not defined	sp	Q9C0A0	CNTP4_HUMAN	Contactin-associated protein-like 4	CNTNAP4
Not defined	sp	Q9C0A6	SETD5_HUMAN	Histone-lysine N-methyltransferase SETD5	SETD5
Not defined	sp	Q9C0B1	FTO_HUMAN	Alpha-ketoglutarate-dependent dioxygenase FTO	FTO
Not defined	sp	Q9C0B5	ZDHHC5_HUMAN	Palmitoyltransferase ZDHHC5	ZDHHC5
Not defined	sp	Q9C0B7	TNG6_HUMAN	Transport and Golgi organization protein 6 homolog	TANGO6
Not defined	sp	Q9C0C2	TB182_HUMAN	182 kDa tankyrase-1-binding protein	TNKS1BP1
Not defined	sp	Q9C0C9	UBE2O_HUMAN	(E3-independent) E2 ubiquitin-conjugating enzyme	UBE2O
Not defined	sp	Q9C0E8	LNP_HUMAN	Endoplasmic reticulum junction formation protein lunapark	LNP
Not defined	sp	Q9C0G6	DYH6_HUMAN	Dynein heavy chain 6, axonemal	DNAH6
Not defined	sp	Q9C0H6	KLHL4_HUMAN	Kelch-like protein 4	KLHL4
Not defined	sp	Q9C0J8	WDR33_HUMAN	pre-mRNA 3' end processing protein WDR33	WDR33
Not defined	sp	Q9C0K3	ARP3C_HUMAN	Actin-related protein 3C	ACTR3C
Not defined	sp	Q9GZL7	WDR12_HUMAN	Ribosome biogenesis protein WDR12	WDR12
Not defined	sp	Q9GZM8	NDEL1_HUMAN	Nuclear distribution protein nudE-like 1	NDEL1
Not defined	sp	Q9GZN2	TGIF2_HUMAN	Homeobox protein TGIF2	TGIF2
Not defined	sp	Q9GZN8	CTO27_HUMAN	UPF0687 protein C20orf27	C20orf27
Not defined	sp	Q9GZP8	IMUP_HUMAN	Immortalization up-regulated protein	IMUP
Not defined	sp	Q9GZQ8	MLP3B_HUMAN	Microtubule-associated proteins 1A/1B light chain 3B	MAP1LC3B
Not defined	sp	Q9GZR2	REXO4_HUMAN	RNA exonuclease 4	REXO4
Not defined	sp	Q9GZR7	DDX24_HUMAN	ATP-dependent RNA helicase DDX24	DDX24
Not defined	sp	Q9GZT6	CC90B_HUMAN	Coiled-coil domain-containing protein 90B, mitochondrial	CCDC90B
Not defined	sp	Q9GZT9	EGLN1_HUMAN	Egl nine homolog 1	EGLN1
Not defined	sp	Q9GZU8	PIP30_HUMAN	PSME3-interacting protein	PSME3IP1
Not defined	sp	Q9GZV5	WWTR1_HUMAN	WW domain-containing transcription regulator protein 1	WWTR1
Not defined	sp	Q9GZX9	TWSG1_HUMAN	Twisted gastrulation protein homolog 1	TWSG1
Not defined	sp	Q9GZY4	COA1_HUMAN	Cytochrome c oxidase assembly factor 1 homolog	COA1
Not defined	sp	Q9GZY8	IMFF_HUMAN	Mitochondrial fission factor	IMFF
Not defined	sp	Q9GZZ1	NAA50_HUMAN	N-alpha-acetyltransferase 50	NAA50
Not defined	sp	Q9GZZ9	UBA5_HUMAN	Ubiquitin-like modifier-activating enzyme 5	UBA5
Not defined	sp	Q9H008	LHPP_HUMAN	Phospholysine phosphohistidine inorganic pyrophosphate phosphatase	LHPP
Not defined	sp	Q9H063	MAF1_HUMAN	Repressor of RNA polymerase III transcription MAF1 homolog	MAF1
Not defined	sp	Q9H074	PAIP1_HUMAN	Polyadenylate-binding protein-interacting protein 1	PAIP1
Not defined	sp	Q9H089	LSG1_HUMAN	Large subunit GTPase 1 homolog	LSG1
Not defined	sp	Q9H098	FAM107B_HUMAN	Protein FAM107B	FAM107B
Not defined	sp	Q9H0A0	NAT10_HUMAN	RNA cytidine acetyltransferase	NAT10
Not defined	sp	Q9H0C2	ADT4_HUMAN	ADP/ATP translocase 4	SLC25A31
Not defined	sp	Q9H0C8	ILKAP_HUMAN	Integrin-linked kinase-associated serine/threonine phosphatase 2C	ILKAP
Not defined	sp	Q9H0E2	TOLIP_HUMAN	Toll-interacting protein	TOLLIP
Not defined	sp	Q9H0E3	SP130_HUMAN	Histone deacetylase complex subunit SAP130	SAP130
Not defined	sp	Q9H0G5	NSRP1_HUMAN	Nuclear speckle splicing regulatory protein 1	NSRP1
Not defined	sp	Q9H0H0	INT2_HUMAN	Integrator complex subunit 2	INTS2
Not defined	sp	Q9H0H5	RGAP1_HUMAN	Rac GTPase-activating protein 1	RACGAP1
Not defined	sp	Q9H0I9	TKTL2_HUMAN	Transketolase-like protein 2	TKTL2
Not defined	sp	Q9H0I4	QRIC2_HUMAN	Glutamine-rich protein 2	QRIC2
Not defined	sp	Q9H0M4	ZCPW1_HUMAN	Zinc finger CW-type PWWP domain protein 1	ZCWPW1
Not defined	sp	Q9H0N0	RAB6C_HUMAN	Ras-related protein Rab-6C	RAB6C
Not defined	sp	Q9H0N5	PHS2_HUMAN	Pterin-4-alpha-carbinolamine dehydratase 2	PCBD2
Not defined	sp	Q9H0R3	TM222_HUMAN	Transmembrane protein 222	TMEM222
Not defined	sp	Q9H0R4	HDHD2_HUMAN	Haloacid dehalogenase-like hydrolase domain-containing protein 2	HDHD2
Not defined	sp	Q9H0R8	GBRL1_HUMAN	Gamma-aminobutyric acid receptor-associated protein-like 1	GABARAPL1
Not defined	sp	Q9H0S4	DDX47_HUMAN	Probable ATP-dependent RNA helicase DDX47	DDX47
Not defined	sp	Q9H0U6	RM18_HUMAN	39S ribosomal protein L18, mitochondrial	MRPL18

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Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q9H0V9	LMA2L_HUMAN	VIP36-like protein	LMAN2L
Not defined	sp	Q9H0W9	CKO54_HUMAN	Ester hydrolase C11orf54	C11orf54
Not defined	sp	Q9H0X4	F234A_HUMAN	Protein FAM234A	FAM234A
Not defined	sp	Q9H0Z9	RBM38_HUMAN	RNA-binding protein 38	RBM38
Not defined	sp	Q9H115	SNAB_HUMAN	Beta-soluble NSF attachment protein	NAPB
Not defined	sp	Q9H116	GZF1_HUMAN	GDNF-inducible zinc finger protein 1	GZF1
Not defined	sp	Q9H169	STMN4_HUMAN	Stathmin-4	STMN4
Not defined	sp	Q9H173	SIL1_HUMAN	Nucleotide exchange factor SIL1	SIL1
Not defined	sp	Q9H1B7	I2BPL_HUMAN	Probable E3 ubiquitin-protein ligase IRF2BPL	IRF2BPL
Not defined	sp	Q9H1C7	CYTM1_HUMAN	Cysteine-rich and transmembrane domain-containing protein 1	CYTM1
Not defined	sp	Q9H1D9	RPC6_HUMAN	DNA-directed RNA polymerase III subunit RPC6	POLR3F
Not defined	sp	Q9H1E3	NUCKS_HUMAN	Nuclear ubiquitous casein and cyclin-dependent kinase substrate 1	NUCKS1
Not defined	sp	Q9H1E5	TMX4_HUMAN	Thioredoxin-related transmembrane protein 4	TMX4
Not defined	sp	Q9H1H9	K13A_HUMAN	Kinesin-like protein KIF13A	KIF13A
Not defined	sp	Q9H1J7	WNT5B_HUMAN	Protein Wnt-5b	WNT5B
Not defined	sp	Q9H1K0	RBN55_HUMAN	Rabenosyn-5	RBSN
Not defined	sp	Q9H1K1	ISCU_HUMAN	Iron-sulfur cluster assembly enzyme ISCU, mitochondrial	ISCU
Not defined	sp	Q9H1K4	GHC2_HUMAN	Mitochondrial glutamate carrier 2	SLC25A18
Not defined	sp	Q9H1P3	OSBL2_HUMAN	Oxysterol-binding protein-related protein 2	OSBPL2
Not defined	sp	Q9H1R3	MYLK2_HUMAN	Myosin light chain kinase 2, skeletal/cardiac muscle	MYLK2
Not defined	sp	Q9H1Y3	OPN3_HUMAN	Opsin-3	OPN3
Not defined	sp	Q9H1Z4	WDR13_HUMAN	WD repeat-containing protein 13	WDR13
Not defined	sp	Q9H201	EPN3_HUMAN	Epsin-3	EPN3
Not defined	sp	Q9H204	MED28_HUMAN	Mediator of RNA polymerase II transcription subunit 28	MED28
Not defined	sp	Q9H223	EHD4_HUMAN	EH domain-containing protein 4	EHD4
Not defined	sp	Q9H227	GBA3_HUMAN	Cytosolic beta-glucosidase	GBA3
Not defined	sp	Q9H251	CAD23_HUMAN	Cadherin-23	CDH23
Not defined	sp	Q9H254	SPTN4_HUMAN	Spectrin beta chain, non-erythrocytic 4	SPTBN4
Not defined	sp	Q9H257	CARD9_HUMAN	Caspase recruitment domain-containing protein 9	CARD9
Not defined	sp	Q9H269	VPS16_HUMAN	Vacuolar protein sorting-associated protein 16 homolog	VPS16
Not defined	sp	Q9H2B2	SYT4_HUMAN	Synaptotagmin-4	SYT4
Not defined	sp	Q9H2C0	GAN_HUMAN	Gigaxonin	GAN
Not defined	sp	Q9H2D6	TARA_HUMAN	TRIO and F-actin-binding protein	TRIOBP
Not defined	sp	Q9H2F3	3BH57_HUMAN	3 beta-hydroxysteroid dehydrogenase type 7	HSD3B7
Not defined	sp	Q9H2G2	SLK_HUMAN	STE20-like serine/threonine-protein kinase	SLK
Not defined	sp	Q9H2G4	TSYL2_HUMAN	Testis-specific Y-encoded-like protein 2	TSPYL2
Not defined	sp	Q9H2H9	S38A1_HUMAN	Sodium-coupled neutral amino acid transporter 1	SLC38A1
Not defined	sp	Q9H2J4	PDCL3_HUMAN	Phosducin-like protein 3	PDCL3
Not defined	sp	Q9H2J7	S6A15_HUMAN	Sodium-dependent neutral amino acid transporter B(0)AT2	SLCGA15
Not defined	sp	Q9H2K0	IF3M_HUMAN	Translation initiation factor IF-3, mitochondrial	MTIF3
Not defined	sp	Q9H2P0	ADNP_HUMAN	Activity-dependent neuroprotector homeobox protein	ADNP
Not defined	sp	Q9H2P9	DPH5_HUMAN	Diphthine methyl ester synthase	DPH5
Not defined	sp	Q9H2U1	DHX36_HUMAN	ATP-dependent DNA/RNA helicase DHX36	DHX36
Not defined	sp	Q9H2U9	ADAM7_HUMAN	Disintegrin and metalloproteinase domain-containing protein 7	ADAM7
Not defined	sp	Q9H2X8	I27L2_HUMAN	Interferon alpha-inducible protein 27-like protein 2	IFI27L2
Not defined	sp	Q9H2X9	S12A5_HUMAN	Solute carrier family 12 member 5	SLC12A5
Not defined	sp	Q9H2Y7	ZN106_HUMAN	Zinc finger protein 106	ZNF106
Not defined	sp	Q9H313	TTYH1_HUMAN	Protein twenty homolog 1	TTYH1
Not defined	sp	Q9H3D4	P63_HUMAN	Tumor protein 63	TP63
Not defined	sp	Q9H3F6	BACD3_HUMAN	BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 3	KCTD10
Not defined	sp	Q9H3H9	TCAL2_HUMAN	Transcription elongation factor A protein-like 2	TCEAL2
Not defined	sp	Q9H3K2	GHITM_HUMAN	Growth hormone-inducible transmembrane protein	GHITM
Not defined	sp	Q9H3Q1	BORG4_HUMAN	Cdc42 effector protein 4	CDC42EP4
Not defined	sp	Q9H3R1	NDST4_HUMAN	Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 4	NDST4
Not defined	sp	Q9H3R5	CENPH_HUMAN	Centromere protein H	CENPH
Not defined	sp	Q9H3S5	PIGM_HUMAN	GPI mannosyltransferase 1	PIGM
Not defined	sp	Q9H3Y6	SRMS_HUMAN	Tyrosine-protein kinase Srms	SRMS
Not defined	sp	Q9H446	RWDD1_HUMAN	RWD domain-containing protein 1	RWDD1
Not defined	sp	Q9H467	CUED2_HUMAN	CUE domain-containing protein 2	CUEDC2
Not defined	sp	Q9H477	RBSK_HUMAN	Ribokinase	RBKS
Not defined	sp	Q9H479	FN3K_HUMAN	Fructosamine-3-kinase	FN3K
Not defined	sp	Q9H488	OFUT1_HUMAN	GDP-fucose protein O-fucosyltransferase 1	POFUT1
Not defined	sp	Q9H492	MLP3A_HUMAN	Microtubule-associated fucosins 1A/1B light chain 3A	MAP1LC3A
Not defined	sp	Q9H4A3	WNK1_HUMAN	Serine/threonine-protein kinase WNK1	WNK1
Not defined	sp	Q9H4A4	AMPB_HUMAN	Aminopeptidase B	RNPEP
Not defined	sp	Q9H4A5	GLP3L_HUMAN	Golgi phosphoprotein 3-like	GOLPH3L
Not defined	sp	Q9H4A6	GOLP3_HUMAN	Golgi phosphoprotein 3	GOLPH3
Not defined	sp	Q9H4G0	E41L1_HUMAN	Band 4.1-like protein 1	EPB41L1
Not defined	sp	Q9H4G4	GAPR1_HUMAN	Golgi-associated plant pathogenesis-related protein 1	GLIPR2
Not defined	sp	Q9H4I3	TRABD_HUMAN	TraB domain-containing protein	TRABD
Not defined	sp	Q9H4I9	EMRE_HUMAN	Essential MCU regulator, mitochondrial	SMDT1
Not defined	sp	Q9H4L5	OSBL3_HUMAN	Oxysterol-binding protein-related protein 3	OSBPL3
Not defined	sp	Q9H4M7	PKHA4_HUMAN	Pleckstrin homology domain-containing family A member 4	PLEKHA4
Not defined	sp	Q9H4M9	EHD1_HUMAN	EH domain-containing protein 1	EHD1
Not defined	sp	Q9H4Q4	PRD12_HUMAN	PR domain zinc finger protein 12	PRDM12
Not defined	sp	Q9H4T2	ZSC16_HUMAN	Zinc finger and SCAN domain-containing protein 16	ZSCAN16
Not defined	sp	Q9H501	ESF1_HUMAN	ESF1 homolog	ESF1
Not defined	sp	Q9H511	KLH31_HUMAN	Kelch-like protein 31	KLHL31
Not defined	sp	Q9H579	MROH8_HUMAN	Protein MROH8	MROH8
Not defined	sp	Q9H583	HEAT1_HUMAN	HEAT repeat-containing protein 1	HEATR1
Not defined	sp	Q9H598	VIAAT_HUMAN	Vesicular inhibitory amino acid transporter	SLC32A1
Not defined	sp	Q9H5H4	ZN768_HUMAN	Zinc finger protein 768	ZN768
Not defined	sp	Q9H5I5	PIE22_HUMAN	Piezo-type mechanosensitive ion channel component 2	PIEZO2
Not defined	sp	Q9H5K3	SG196_HUMAN	Protein O-mannose kinase	POMK
Not defined	sp	Q9H5V9	CXO56_HUMAN	UPF0428 protein CXorf56	CXorf56
Not defined	sp	Q9H5X1	CIA2A_HUMAN	Cytosolic iron-sulfur assembly component 2A	CIAO2A
Not defined	sp	Q9H5Y7	SLIK6_HUMAN	SLIT and NTRK-like protein 6	SLITRK6
Not defined	sp	Q9H649	NSUN3_HUMAN	tRNA (cytosine(34)-C(5))-methyltransferase, mitochondrial	NSUN3
Not defined	sp	Q9H694	BICC1_HUMAN	Protein bicaudal C homolog 1	BICC1
Not defined	sp	Q9H6E4	CC134_HUMAN	Coiled-coil domain-containing protein 134	CCDC134

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Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q9H6F5	CCD86_HUMAN	Coiled-coil domain-containing protein 86	CCDC86
Not defined	sp	Q9H6J7	CKO49_HUMAN	UPF0705 protein C11orf49	C11orf49
Not defined	sp	Q9H6K5	PRR36_HUMAN	Proline-rich protein 36	PRR36
Not defined	sp	Q9H6N6	MYH16_HUMAN	Putative uncharacterized protein MYH16	MYH16
Not defined	sp	Q9H6P5	TASP1_HUMAN	Threonine aspartase 1	TASP1
Not defined	sp	Q9H6R4	NOL6_HUMAN	Nucleolar protein 6	NOL6
Not defined	sp	Q9H6S0	YTHDC2_HUMAN	3'-5' RNA helicase YTHDC2	YTHDC2
Not defined	sp	Q9H6T0	ESRP2_HUMAN	Epithelial splicing regulatory protein 2	ESRP2
Not defined	sp	Q9H6T3	RPAP3_HUMAN	RNA polymerase II-associated protein 3	RPAP3
Not defined	sp	Q9H6Y2	WDR55_HUMAN	WD repeat-containing protein 55	WDR55
Not defined	sp	Q9H6Y7	RN167_HUMAN	E3 ubiquitin-protein ligase RNF167	RNF167
Not defined	sp	Q9H6Z4	RANBP3_HUMAN	Ran-binding protein 3	RANBP3
Not defined	sp	Q9H707	ZN552_HUMAN	Zinc finger protein 552	ZN552
Not defined	sp	Q9H777	RN21_HUMAN	Zinc phosphodiesterase ELAC protein 1	ELAC1
Not defined	sp	Q9H788	SH24A_HUMAN	SH2 domain-containing protein 4A	SH24A
Not defined	sp	Q9H799	CPLN1_HUMAN	Ciliogenesis and planar polarity effector 1	CPLANE1
Not defined	sp	Q9H7C9	AAMDC_HUMAN	Mth938 domain-containing protein	AAMDC
Not defined	sp	Q9H7D0	DOCK5_HUMAN	Dedicator of cytokinesis protein 5	DOCK5
Not defined	sp	Q9H7D7	WDR26_HUMAN	WD repeat-containing protein 26	WDR26
Not defined	sp	Q9H7M9	VISTA_HUMAN	V-type immunoglobulin domain-containing suppressor of T-cell activation	V5IR
Not defined	sp	Q9H7N4	SFR19_HUMAN	Splicing factor, arginine/serine-rich 19	SCPF1
Not defined	sp	Q9H814	PHAX_HUMAN	Phosphorylated adapter RNA export protein	PHAX
Not defined	sp	Q9H832	UBE2Z_HUMAN	Ubiquitin-conjugating enzyme E2 Z	UBE2Z
Not defined	sp	Q9H840	GEM17_HUMAN	Gem-associated protein 7	GEMIN7
Not defined	sp	Q9H845	ACAD9_HUMAN	Complex I assembly factor ACAD9, mitochondrial	ACAD9
Not defined	sp	Q9H867	MT21D_HUMAN	Protein-lysine methyltransferase METTL21D	SCPKMT
Not defined	sp	Q9H869	YYAP1_HUMAN	YY1-associated protein 1	YY1AP1
Not defined	sp	Q9H875	PKRI1_HUMAN	PRKR-interacting protein 1	PRKRIP1
Not defined	sp	Q9H892	TTC12_HUMAN	Tetratricopeptide repeat protein 12	TTC12
Not defined	sp	Q9H8L6	MMRN2_HUMAN	Multimerin-2	MMRN2
Not defined	sp	Q9H8M5	CNNM2_HUMAN	Metal transporter CNNM2	CNNM2
Not defined	sp	Q9H8M7	MINDY3_HUMAN	Ubiquitin carboxyl-terminal hydrolase MINDY-3	MINDY3
Not defined	sp	Q9H8S9	MOB1A_HUMAN	MOB kinase activator 1A	MOB1A
Not defined	sp	Q9H8W4	PKHF2_HUMAN	Pleckstrin homology domain-containing family F member 2	PLEKH2
Not defined	sp	Q9H8Y5	ANK21_HUMAN	Ankyrin repeat and zinc finger domain-containing protein 1	ANK2F1
Not defined	sp	Q9H903	MTD2L_HUMAN	Probable bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase 2	MTHFD2L
Not defined	sp	Q9H920	RN121_HUMAN	RING finger protein 121	RNF121
Not defined	sp	Q9H930	SP14L_HUMAN	Nuclear body protein SP140-like protein	SP140L
Not defined	sp	Q9H936	GHC1_HUMAN	Mitochondrial glutamate carrier 1	SLC25A22
Not defined	sp	Q9H944	MED20_HUMAN	Mediator of RNA polymerase II transcription subunit 20	MED20
Not defined	sp	Q9H974	QTRT2_HUMAN	Queuine tRNA-ribosyltransferase accessory subunit 2	QTRT2
Not defined	sp	Q9H977	WDR54_HUMAN	WD repeat-containing protein 54	WDR54
Not defined	sp	Q9H992	MARH7_HUMAN	E3 ubiquitin-protein ligase MARCHF7	MARCHF7
Not defined	sp	Q9H9A6	LRC40_HUMAN	Leucine-rich repeat-containing protein 40	LRRC40
Not defined	sp	Q9H9B1	EHMT1_HUMAN	Histone-lysine N-methyltransferase EHMT1	EHMT1
Not defined	sp	Q9H9B4	SFXN1_HUMAN	Sideroflexin-1	SFXN1
Not defined	sp	Q9H9F9	ARP5_HUMAN	Actin-related protein 5	ACTR5
Not defined	sp	Q9H9G7	AGO3_HUMAN	Protein argonaute-3	AGO3
Not defined	sp	Q9H9P8	L2HGDH_HUMAN	L-2-hydroxyglutarate dehydrogenase, mitochondrial	L2HGDH
Not defined	sp	Q9H9Q2	CSN7B_HUMAN	COP9 signalosome complex subunit 7b	COPS7B
Not defined	sp	Q9H9R9	DBND1_HUMAN	Dysbindin domain-containing protein 1	DBNDD1
Not defined	sp	Q9H9S4	CB39L_HUMAN	Calcium-binding protein 39-like	CAB39L
Not defined	sp	Q9H9S5	FKRP_HUMAN	Fukutin-related protein	FKRP
Not defined	sp	Q9HA64	KT3K_HUMAN	Ketosamine-3-kinase	FN3KRP
Not defined	sp	Q9HA77	SYCM_HUMAN	Probable cysteine-tRNA ligase, mitochondrial	CARS2
Not defined	sp	Q9HAB8	PPCS_HUMAN	Phosphopantothenate-cysteine ligase	PPCS
Not defined	sp	Q9HAF1	EAF6_HUMAN	Chromatin modification-related protein MEAF6	MEAF6
Not defined	sp	Q9HAH7	FBRS_HUMAN	Probable fibrosin-1	FBRS
Not defined	sp	Q9HAN9	NMNAT1_HUMAN	Nicotinamide/nicotinic acid mononucleotide adenylyltransferase 1	NMNAT1
Not defined	sp	Q9HAP6	LIN7B_HUMAN	Protein lin-7 homolog B	LIN7B
Not defined	sp	Q9HAR2	AGRL3_HUMAN	Adhesion G protein-coupled receptor L3	ADGRL3
Not defined	sp	Q9HAS0	NJMU_HUMAN	Protein Njmu-R1	C11orf75
Not defined	sp	Q9HAT2	SIAE_HUMAN	Sialate O-acetyltransferase	SIAE
Not defined	sp	Q9HAU5	RENT2_HUMAN	Regulator of nonsense transcripts 2	UPF2
Not defined	sp	Q9HAU6	TCTP8_HUMAN	Putative translationally-controlled tumor protein-like protein TPT1P8	TPT1P8
Not defined	tr	Q9HB66	Q9HB66_HUMAN	Alternative protein MKKS	MKKS
Not defined	sp	Q9HB96	FANCE_HUMAN	Fanconi anemia group E protein	FANCE
Not defined	sp	Q9HBH0	RHOF_HUMAN	Rho-related GTP-binding protein RhoF	RHOF
Not defined	sp	Q9HBH1	DEFM_HUMAN	Peptide deformylase, mitochondrial	PDF
Not defined	sp	Q9HBH5	RDH14_HUMAN	Retinol dehydrogenase 14	RDH14
Not defined	sp	Q9HB11	PARVB_HUMAN	Beta-parvin	PARVB
Not defined	sp	Q9HBL7	PLRKT_HUMAN	Plasminogen receptor (KT)	PLGRKT
Not defined	sp	Q9HBM1	SPC25_HUMAN	Kinetochore protein Spc25	SPC25
Not defined	sp	Q9HBM6	TAF9B_HUMAN	Transcription initiation factor TFIID subunit 9B	TAF9B
Not defined	sp	Q9HBR0	S38AA_HUMAN	Putative sodium-coupled neutral amino acid transporter 10	SLC38A10
Not defined	sp	Q9HBW1	LRRC4_HUMAN	Leucine-rich repeat-containing protein 4	LRRC4
Not defined	sp	Q9HC10	OTOF_HUMAN	Otoferlin	OTOF
Not defined	sp	Q9HC16	ABC3G_HUMAN	DNA dC->dU-editing enzyme APOBEC-3G	APOBEC3G
Not defined	sp	Q9HC35	EMAL4_HUMAN	Echinoderm microtubule-associated protein-like 4	EML4
Not defined	sp	Q9HC58	NCKX3_HUMAN	Sodium/potassium/calcium exchanger 3	SLC24A3
Not defined	sp	Q9HC84	MUC5B_HUMAN	Mucin-5B	MUC5B
Not defined	sp	Q9HC9C	LST2_HUMAN	Lateral signaling target protein 2 homolog	ZFYWE28
Not defined	sp	Q9HC05	NCOA5_HUMAN	Nuclear receptor coactivator 5	NCOA5
Not defined	sp	Q9HCE5	MET14_HUMAN	N6-adenosine-methyltransferase non-catalytic subunit	METTL14
Not defined	sp	Q9HCE6	ARGAL_HUMAN	Rho guanine nucleotide exchange factor 10-like protein	ARGHEF10L
Not defined	sp	Q9HCF6	TRPM3_HUMAN	Transient receptor potential cation channel subfamily M member 3	TRPM3
Not defined	sp	Q9HCG7	GBA2_HUMAN	Non-lysosomal glucosylceramidase	GBA2
Not defined	sp	Q9HCH3	CPNE5_HUMAN	Copine-5	CPNE5
Not defined	sp	Q9HCI7	MSL2_HUMAN	E3 ubiquitin-protein ligase MSL2	MSL2
Not defined	sp	Q9HCK4	ROBO2_HUMAN	Roundabout homolog 2	ROBO2

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q9HCK5	AGO4_HUMAN	Protein argonaute-4	AGO4
Not defined	sp	Q9HCM7	FBSL_HUMAN	Fibrosin-1-like protein	FBRS1
Not defined	sp	Q9HCN4	GNP1_HUMAN	GNP-loop GTPase 1	GNP1
Not defined	sp	Q9HCN8	SDF2L_HUMAN	Stromal cell-derived factor 2-like protein 1	SDF2L1
Not defined	sp	Q9HCP0	KC1G1_HUMAN	Casein kinase I isoform gamma-1	CSNK1G1
Not defined	sp	Q9HCS5	E41LA_HUMAN	Band 4.1-like protein 4A	EPB41L4A
Not defined	sp	Q9HCU5	PREB_HUMAN	Prolactin regulatory element-binding protein	PREB
Not defined	sp	Q9HCU8	DPOD4_HUMAN	DNA polymerase delta subunit 4	POLD4
Not defined	sp	Q9HCY8	S10AE_HUMAN	Protein S100-A14	S100A14
Not defined	sp	Q9HD15	SRA1_HUMAN	Steroid receptor RNA activator 1	SRA1
Not defined	sp	Q9HD26	GOPC_HUMAN	Golgi-associated PDZ and coiled-coil motif-containing protein	GOPC
Not defined	sp	Q9HD33	RM47_HUMAN	39S ribosomal protein L47, mitochondrial	MRPL47
Not defined	sp	Q9HD34	LYRM4_HUMAN	LYR motif-containing protein 4	LYRM4
Not defined	sp	Q9HD40	SPCS_HUMAN	O-phosphoserine-tRNA(Sec) selenium transferase	SEPSecs
Not defined	sp	Q9HD42	CHM1A_HUMAN	Charged multivesicular body protein 1a	CHMP1A
Not defined	sp	Q9HD45	TM9S3_HUMAN	Transmembrane 9 superfamily member 3	TM9SF3
Not defined	sp	Q9HD47	MOG1_HUMAN	Ran guanine nucleotide release factor	RANGRF
Not defined	sp	Q9HD67	MYO10_HUMAN	Unconventional myosin-X	MYO10
Not defined	sp	Q9NP50	SHCAF_HUMAN	SIN3-HDAC complex-associated factor	SINHCAF
Not defined	sp	Q9NP61	ARFG3_HUMAN	ADP-ribosylation factor GTPase-activating protein 3	ARFGAP3
Not defined	sp	Q9NP66	HM20A_HUMAN	High mobility group protein 20A	HMG20A
Not defined	sp	Q9NP73	ALG13_HUMAN	Putative bifunctional UDP-N-acetylglucosamine transferase and deubiquitinase ALG13	ALG13
Not defined	sp	Q9NP87	DPOLM_HUMAN	DNA-directed DNA/RNA polymerase mu	POLM
Not defined	sp	Q9NPA0	EMC7_HUMAN	ER membrane protein complex subunit 7	EMC7
Not defined	sp	Q9NPA2	MMP25_HUMAN	Matrix metalloproteinase-25	MMP25
Not defined	sp	Q9NPA8	ENY2_HUMAN	Transcription and mRNA export factor ENY2	ENY2
Not defined	sp	Q9NP88	GPCP1_HUMAN	Glycerophosphocholine phosphodiesterase GPCPD1	GPCPD1
Not defined	sp	Q9NP83	EXOS4_HUMAN	Exosome complex component RRP41	EXOSC4
Not defined	sp	Q9NPD8	UBE2T_HUMAN	Ubiquitin-conjugating enzyme E2 T	UBE2T
Not defined	sp	Q9NPE2	NGRN_HUMAN	Neugrin	NGRN
Not defined	sp	Q9NPE3	NOP10_HUMAN	H/ACA ribonucleoprotein complex subunit 3	NOP10
Not defined	sp	Q9NPF2	CHSTB_HUMAN	Carbohydrate sulfotransferase 11	CHST11
Not defined	sp	Q9NPF4	OSGEP_HUMAN	Probable tRNA N6-adenosine threonylcarbamoyltransferase	OSGEP
Not defined	sp	Q9NPF5	DMAP1_HUMAN	DNA methyltransferase 1-associated protein 1	DMAP1
Not defined	sp	Q9NPG1	FZD3_HUMAN	Frizzled-3	FZD3
Not defined	sp	Q9NPG3	UBN1_HUMAN	Ubinuclein-1	UBN1
Not defined	sp	Q9NPG4	PCD12_HUMAN	Protocadherin-12	PCDH12
Not defined	sp	Q9NPH0	PPA6_HUMAN	Lysophosphatidic acid phosphatase type 6	ACP6
Not defined	sp	Q9NPH3	IL1AP_HUMAN	Interleukin-1 receptor accessory protein	IL1RAP
Not defined	sp	Q9NPH9	IL26_HUMAN	Interleukin-26	IL26
Not defined	sp	Q9NPI6	DCP1A_HUMAN	mRNA-decapping enzyme 1A	DCP1A
Not defined	sp	Q9NPI9	KCNJ16_HUMAN	Inward rectifier potassium channel 16	KCNJ16
Not defined	sp	Q9NPI6	MED4_HUMAN	Mediator of RNA polymerase II transcription subunit 4	MED4
Not defined	sp	Q9NPI8	NXT2_HUMAN	NTF2-related export protein 2	NXT2
Not defined	sp	Q9NPI8	TIMDC1_HUMAN	Complex I assembly factor TIMMDC1, mitochondrial	TIMMDC1
Not defined	sp	Q9NP25	B3GA2_HUMAN	Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 2	B3GAT2
Not defined	sp	Q9NQ32	CKO16_HUMAN	Uncharacterized protein C11orf16	C11orf16
Not defined	sp	Q9NQ34	TMM9B_HUMAN	Transmembrane protein 9B	TMM9B
Not defined	sp	Q9NQ55	SSF1_HUMAN	Suppressor of SWI4 1 homolog	PPAN
Not defined	sp	Q9NQ75	CASS4_HUMAN	Cas scaffolding protein family member 4	CASS4
Not defined	sp	Q9NQ84	GPC5C_HUMAN	G-protein coupled receptor family C group 5 member C	GPC5C
Not defined	sp	Q9NQA3	WASH6_HUMAN	WAS protein family homolog 6	WASH6P
Not defined	sp	Q9NQA5	TRPV5_HUMAN	Transient receptor potential cation channel subfamily V member 5	TRPV5
Not defined	sp	Q9NQE9	HINT3_HUMAN	Histidine triad nucleotide-binding protein 3	HINT3
Not defined	sp	Q9NQG5	RPR1B_HUMAN	Regulation of nuclear pre-mRNA domain-containing protein 1B	RPR1B
Not defined	sp	Q9NQR1	KMT5A_HUMAN	N-lysine methyltransferase KMT5A	KMT5A
Not defined	sp	Q9NQR7	CC177_HUMAN	Coiled-coil domain-containing protein 177	CCDC177
Not defined	sp	Q9NQS3	NECT3_HUMAN	Nectin-3	NECTIN3
Not defined	sp	Q9NQS7	INCE_HUMAN	Inner centromere protein	INCENP
Not defined	sp	Q9NQT4	EXOS5_HUMAN	Exosome complex component RRP46	EXOSC5
Not defined	sp	Q9NQT5	EXOS3_HUMAN	Exosome complex component RRP40	EXOSC3
Not defined	sp	Q9NQV5	PAK6_HUMAN	Serine/threonine-protein kinase PAK 6	PAK6
Not defined	sp	Q9NQV5	PRD11_HUMAN	PR domain-containing protein 11	PRDM11
Not defined	sp	Q9NQV6	PRD10_HUMAN	PR domain zinc finger protein 10	PRDM10
Not defined	sp	Q9NQW1	SEC31B_HUMAN	Protein transport protein Sec31B	SEC31B
Not defined	sp	Q9NQW6	ANLN_HUMAN	Anillin	ANLN
Not defined	sp	Q9NQW7	XPP1_HUMAN	Xaa-Pro aminopeptidase 1	XPNPEP1
Not defined	sp	Q9NQX1	PRDM5_HUMAN	PR domain zinc finger protein 5	PRDM5
Not defined	sp	Q9NQX4	MYO5C_HUMAN	Unconventional myosin-Vc	MYO5C
Not defined	sp	Q9NQY0	BIN3_HUMAN	Bridging integrator 3	BIN3
Not defined	sp	Q9NQZ2	SAS10_HUMAN	Something about silencing protein 10	UTP3
Not defined	sp	Q9NQZ5	STAR7_HUMAN	StAR-related lipid transfer protein 7, mitochondrial	STAR7
Not defined	sp	Q9NR09	BIRC6_HUMAN	Baculoviral IAP repeat-containing protein 6	BIRC6
Not defined	sp	Q9NR12	PDL17_HUMAN	PDZ and LIM domain protein 7	PDLIM7
Not defined	sp	Q9NR16	C163B_HUMAN	Scavenger receptor cysteine-rich type 1 protein M160	CD163L1
Not defined	sp	Q9NR19	ACSA_HUMAN	Acetyl-coenzyme A synthetase, cytoplasmic	ACSS2
Not defined	sp	Q9NR20	DYRK4_HUMAN	Dual specificity tyrosine-phosphorylation-regulated kinase 4	DYRK4
Not defined	sp	Q9NR30	DDX21_HUMAN	Nucleolar RNA helicase 2	DDX21
Not defined	sp	Q9NR33	DPOE4_HUMAN	DNA polymerase epsilon subunit 4	POLE4
Not defined	sp	Q9NR48	ASH1L_HUMAN	Histone-lysine N-methyltransferase ASH1L	ASH1L
Not defined	sp	Q9NR56	MBNL1_HUMAN	Muscleblind-like protein 1	MBNL1
Not defined	sp	Q9NR64	KLHL1_HUMAN	Kelch-like protein 1	KLHL1
Not defined	sp	Q9NR80	ARHG4_HUMAN	Rho guanine nucleotide exchange factor 4	ARHGEF4
Not defined	sp	Q9NRA1	PDGFC_HUMAN	Platelet-derived growth factor C	PDGFC
Not defined	sp	Q9NRA8	4ET_HUMAN	Eukaryotic translation initiation factor 4E transporter	EIF4ENIF1
Not defined	sp	Q9NRC6	SPTN5_HUMAN	Spectrin beta chain, non-erythrocytic 5	SPTBN5
Not defined	sp	Q9NRC8	SIRT7_HUMAN	NAD-dependent protein deacetylase sirtuin-7	SIRT7
Not defined	sp	Q9NRD1	FBX6_HUMAN	F-box only protein 6	FBXO6
Not defined	sp	Q9NRD9	DUOX1_HUMAN	Dual oxidase 1	DUOX1
Not defined	sp	Q9NRE2	TSH2_HUMAN	Teashirt homolog 2	TSH2

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q9NRF9	DPOE3_HUMAN	DNA polymerase epsilon subunit 3	POLE3
Not defined	sp	Q9NRG0	CHRC1_HUMAN	Chromatin accessibility complex protein 1	CHRAC1
Not defined	sp	Q9NRG1	PRDC1_HUMAN	Phosphoribosyltransferase domain-containing protein 1	PRTFDC1
Not defined	sp	Q9NRG7	D39U1_HUMAN	Epimerase family protein SDR39U1	SDR39U1
Not defined	sp	Q9NRJ5	PAPOB_HUMAN	Poly(A) polymerase beta	PAPOLB
Not defined	sp	Q9NRL3	STRN4_HUMAN	Striatin-4	STRN4
Not defined	sp	Q9NRM1	ENAM_HUMAN	Enamelin	ENAM
Not defined	sp	Q9NRN7	ADPPT_HUMAN	L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	AASDHPTT
Not defined	sp	Q9NRP2	COXM2_HUMAN	COX assembly mitochondrial protein 2 homolog	CMC2
Not defined	sp	Q9NRP4	SDHF3_HUMAN	Succinate dehydrogenase assembly factor 3, mitochondrial	SDHAF3
Not defined	sp	Q9NRR3	C42S2_HUMAN	CDC42 small effector protein 2	CDC42SE2
Not defined	sp	Q9NRR8	C42S1_HUMAN	CDC42 small effector protein 1	CDC42SE1
Not defined	sp	Q9NR56	SNX15_HUMAN	Sorting nexin-15	SNX15
Not defined	sp	Q9NRW3	ABC3C_HUMAN	DNA dC->dU-editing enzyme APOBEC-3C	APOBEC3C
Not defined	sp	Q9NRX5	SERC1_HUMAN	Serine incorporator 1	SERINC1
Not defined	sp	Q9NRY2	SOSSC_HUMAN	SOSS complex subunit C	INIP
Not defined	sp	Q9NRY5	F1142_HUMAN	Protein FAM114A2	FAM114A2
Not defined	sp	Q9NRY6	PLS3_HUMAN	Phospholipid scramblase 3	PLSCR3
Not defined	sp	Q9NR29	HELLS_HUMAN	Lymphoid-specific helicase	HELLS
Not defined	sp	Q9NS18	GLRX2_HUMAN	Glutaredoxin-2, mitochondrial	GLRX2
Not defined	sp	Q9NS86	LANC2_HUMAN	LanC-like protein 2	LANCL2
Not defined	sp	Q9NSA3	CNBP1_HUMAN	Beta-catenin-interacting protein 1	CTNBP1
Not defined	sp	Q9NSC5	HOMER3_HUMAN	Homer protein homolog 3	HOMER3
Not defined	sp	Q9NSD9	SYFB_HUMAN	Phenylalanine-tRNA ligase beta subunit	FAR5B
Not defined	sp	Q9NSE4	SYIM_HUMAN	Isoleucine-tRNA ligase, mitochondrial	IARS2
Not defined	sp	Q9NSI2	F207A_HUMAN	Protein FAM207A	FAM207A
Not defined	sp	Q9NSK7	CS012_HUMAN	Protein C19orf12	C19orf12
Not defined	sp	Q9NSV2	STAR5_HUMAN	STAR-related lipid transfer protein 5	STAR5
Not defined	sp	Q9NT62	ATG3_HUMAN	Ubiquitin-like-conjugating enzyme ATG3	ATG3
Not defined	sp	Q9NT67	SIR3_HUMAN	NAD-dependent protein deacetylase sirtuin-3, mitochondrial	SIRT3
Not defined	sp	Q9NT12	AT8A2_HUMAN	Phospholipid-transporting ATPase IB	ATP8A2
Not defined	sp	Q9NTJ3	SMC4_HUMAN	Structural maintenance of chromosomes protein 4	SMC4
Not defined	sp	Q9NTJ4	MA2C1_HUMAN	Alpha-mannosidase 2C1	MAN2C1
Not defined	sp	Q9NTJ5	SAC1_HUMAN	Phosphatidylinositol phosphatase SAC1	SACM1L
Not defined	sp	Q9NTM9	CUTC_HUMAN	Copper homeostasis protein cutC homolog	CUTC
Not defined	sp	Q9NTN9	SEM4G_HUMAN	Semaphorin-4G	SEMA4G
Not defined	sp	Q9NTZ6	RBM12_HUMAN	RNA-binding protein 12	RBM12
Not defined	sp	Q9NU22	MDN1_HUMAN	Midasin	MDN1
Not defined	sp	Q9NU23	LYRM2_HUMAN	LYR motif-containing protein 2	LYRM2
Not defined	sp	Q9NUC0	SRTD4_HUMAN	SERTA domain-containing protein 4	SERTAD4
Not defined	sp	Q9NUG6	PDRG1_HUMAN	p53 and DNA damage-regulated protein 1	PDRG1
Not defined	sp	Q9NU11	DECR2_HUMAN	Peroxisomal 2,4-dienoyl-CoA reductase	DECR2
Not defined	sp	Q9NU11	ABHDA_HUMAN	Mycophenolic acid acyl-glucuronide esterase, mitochondrial	ABHD10
Not defined	sp	Q9NUK0	MBNL3_HUMAN	Muscleblind-like protein 3	MBNL3
Not defined	sp	Q9NUL5	SHFL_HUMAN	Shiftless antiviral inhibitor of ribosomal frameshifting protein	SHFL
Not defined	sp	Q9NUN5	LMBD1_HUMAN	Probable lysosomal cobalamin transporter	LMBRD1
Not defined	sp	Q9NUO3	TXLNG_HUMAN	Gamma-taxilin	TXLNG
Not defined	sp	Q9NUO6	SPS2L_HUMAN	SPATS2-like protein	SPATS2L
Not defined	sp	Q9NUU7	DD19A_HUMAN	ATP-dependent RNA helicase DDX19A	DDX19A
Not defined	sp	Q9NUW8	TYDP1_HUMAN	Tyrosyl-DNA phosphodiesterase 1	TDP1
Not defined	sp	Q9NUX5	POTE1_HUMAN	Protection of telomeres protein 1	POT1
Not defined	sp	Q9NV06	DCA13_HUMAN	DDB1- and CUL4-associated factor 13	DCAF13
Not defined	sp	Q9NV31	IMP3_HUMAN	U3 small nucleolar ribonucleoprotein protein IMP3	IMP3
Not defined	sp	Q9NV35	NUD15_HUMAN	Nucleotide triphosphate diphosphatase NUDT15	NUDT15
Not defined	sp	Q9NV56	MIRGBP_HUMAN	MIRG/MORF4L-binding protein	MIRGBP
Not defined	sp	Q9NV70	EXOC1_HUMAN	Exocyst complex component 1	EXOC1
Not defined	sp	Q9NV96	CC50A_HUMAN	Cell cycle control protein 50A	TMEM30A
Not defined	sp	Q9NVA1	UQCQ1_HUMAN	Ubiquinol-cytochrome-c reductase complex assembly factor 1	UQCQ1
Not defined	sp	Q9NVD3	SETD4_HUMAN	SET domain-containing protein 4	SETD4
Not defined	sp	Q9NVD7	PARVA_HUMAN	Alpha-parvin	PARVA
Not defined	sp	Q9NVE7	PANK4_HUMAN	4'-phosphopantetheine phosphatase	PANK4
Not defined	sp	Q9NVH1	DJC11_HUMAN	DnaI homolog subfamily C member 11	DNAJC11
Not defined	sp	Q9NVH6	TMLH_HUMAN	Trimethyllysine dioxygenase, mitochondrial	TMLHE
Not defined	sp	Q9NV17	ATD3A_HUMAN	ATPase family AAA domain-containing protein 3A	ATAD3A
Not defined	sp	Q9NVM1	EVA1B_HUMAN	Protein eva-1 homolog B	EVA1B
Not defined	sp	Q9NVM6	DJC17_HUMAN	DnaI homolog subfamily C member 17	DNAJC17
Not defined	sp	Q9NVM9	INT13_HUMAN	Integrator complex subunit 13	INTS13
Not defined	sp	Q9NVP2	ASF1B_HUMAN	Histone chaperone ASF1B	ASF1B
Not defined	sp	Q9NVQ4	FAIM1_HUMAN	Fas apoptotic inhibitory molecule 1	FAIM
Not defined	sp	Q9NVR7	TBCC1_HUMAN	TBCC domain-containing protein 1	TBCCD1
Not defined	sp	Q9NVS2	RT18A_HUMAN	39S ribosomal protein S18a, mitochondrial	MRPS18A
Not defined	sp	Q9NVS9	PNPO_HUMAN	Pyridoxine-5'-phosphate oxidase	PNPO
Not defined	sp	Q9NVU0	RPC5_HUMAN	DNA-directed RNA polymerase III subunit RPC5	POLR3E
Not defined	sp	Q9NVX2	NLE1_HUMAN	Notchless protein homolog 1	NLE1
Not defined	sp	Q9NW13	RBM28_HUMAN	RNA-binding protein 28	RBM28
Not defined	sp	Q9NW68	BSDC1_HUMAN	BSD domain-containing protein 1	BSDC1
Not defined	sp	Q9NW82	WDR70_HUMAN	WD repeat-containing protein 70	WDR70
Not defined	sp	Q9NWA0	MED9_HUMAN	Mediator of RNA polymerase II transcription subunit 9	MED9
Not defined	sp	Q9NWB6	ARGL1_HUMAN	Arginine and glutamate-rich protein 1	ARGLU1
Not defined	sp	Q9NWD8	TM248_HUMAN	Transmembrane protein 248	TMEM248
Not defined	sp	Q9NWH9	SLTM_HUMAN	SAFB-like transcription modulator	SLTM
Not defined	sp	Q9NWM8	FKBP14_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP14	FKBP14
Not defined	sp	Q9NWN3	FBX34_HUMAN	F-box only protein 34	FBXO34
Not defined	sp	Q9NWO9	CN119_HUMAN	Uncharacterized protein C14orf119	C14orf119
Not defined	sp	Q9NWS0	PIHD1_HUMAN	PIH1 domain-containing protein 1	PIHD1
Not defined	sp	Q9NWS1	PARI_HUMAN	PCNA-interacting partner	PARBP
Not defined	sp	Q9NWS8	RMND1_HUMAN	Required for meiotic nuclear division protein 1 homolog	RMND1
Not defined	sp	Q9NWT1	PK1IP_HUMAN	p21-activated protein kinase-interacting protein 1	PAK1IP1
Not defined	sp	Q9NWT6	HIF1N_HUMAN	Hypoxia-inducible factor 1-alpha inhibitor	HIF1AN
Not defined	sp	Q9NWU1	OXSM_HUMAN	3-oxoacyl-[acyl-carrier-protein] synthase, mitochondrial	OXSM

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q9NWX2	GID8_HUMAN	Glucose-induced degradation protein 8 homolog	GID8
Not defined	sp	Q9NWX5	RM22_HUMAN	39S ribosomal protein L22, mitochondrial	MRPL22
Not defined	sp	Q9NWX8	BABA1_HUMAN	BRIS and BRCA1-A complex member 1	BABAM1
Not defined	sp	Q9NWX6	NRK1_HUMAN	Nicotinamide riboside kinase 1	NMRK1
Not defined	sp	Q9NWX6	THG1_HUMAN	Probable tRNA(His) guanylyltransferase	THG1L
Not defined	sp	Q9NX00	TM160_HUMAN	Transmembrane protein 160	TMEM160
Not defined	sp	Q9NX02	NALP2_HUMAN	NACHT, LRR and PYD domains-containing protein 2	NLRP2
Not defined	sp	Q9NX04	CA109_HUMAN	Uncharacterized protein C1orf109	C1orf109
Not defined	sp	Q9NX08	COMD8_HUMAN	COMM domain-containing protein 8	COMMD8
Not defined	sp	Q9NX18	SDHF2_HUMAN	Succinate dehydrogenase assembly factor 2, mitochondrial	SDHAF2
Not defined	sp	Q9NX20	RM16_HUMAN	39S ribosomal protein L16, mitochondrial	MRPL16
Not defined	sp	Q9NX24	NHP2_HUMAN	H/ACA ribonucleoprotein complex subunit 2	NHP2
Not defined	sp	Q9NX46	ADPRS_HUMAN	ADP-ribose glycohydrolase ARH3	ADPRS
Not defined	sp	Q9NX57	RAB20_HUMAN	Ras-related protein Rab-20	RAB20
Not defined	sp	Q9NX58	LYAR_HUMAN	Cell growth-regulating nucleolar protein	LYAR
Not defined	sp	Q9NX62	IMPA3_HUMAN	Golgi-resident adenosine 3',5'-bisphosphate 3'-phosphatase	IMPAD1
Not defined	sp	Q9NX63	MIC19_HUMAN	MICOS complex subunit MIC19	CHCHD3
Not defined	sp	Q9NX70	MED29_HUMAN	Mediator of RNA polymerase II transcription subunit 29	MED29
Not defined	sp	Q9NX74	DUS2L_HUMAN	tRNA-dihydrouridine(20) synthase [NAD(P)+]-like	DUS2
Not defined	sp	Q9NX76	CKLF6_HUMAN	CKLF-like MARVEL transmembrane domain-containing protein 6	CMITM6
Not defined	sp	Q9NXA8	SIRS_HUMAN	NAD-dependent protein deacetylase sirtuin-5, mitochondrial	SIRT5
Not defined	sp	Q9NXG2	THUM1_HUMAN	THUMP domain-containing protein 1	THUMPD1
Not defined	sp	Q9NXG6	P4HTM_HUMAN	Transmembrane prolyl 4-hydroxylase	P4HTM
Not defined	sp	Q9NXH9	TRM1_HUMAN	tRNA [guanine(26)-N(2)]-dimethyltransferase	TRMT1
Not defined	sp	Q9NXL2	ARH38_HUMAN	Rho guanine nucleotide exchange factor 38	ARHGEF38
Not defined	sp	Q9NXL6	SIDT1_HUMAN	SID1 transmembrane family member 1	SIDT1
Not defined	sp	Q9NXR1	NDE1_HUMAN	Nuclear distribution protein nudE homolog 1	NDE1
Not defined	sp	Q9NXR7	BABA2_HUMAN	BRIS and BRCA1-A complex member 2	BABAM2
Not defined	sp	Q9NY27	PP4R2_HUMAN	Serine/threonine-protein phosphatase 4 regulatory subunit 2	PPP4R2
Not defined	sp	Q9NY28	GALT8_HUMAN	Probable polypeptide N-acetylglucosaminyltransferase 8	GALNT8
Not defined	sp	Q9NY33	DPP3_HUMAN	Dipeptidyl peptidase 3	DPP3
Not defined	sp	Q9NY35	CLDN1_HUMAN	Claudin domain-containing protein 1	CLDND1
Not defined	sp	Q9NY61	AATF_HUMAN	Protein AATF	AATF
Not defined	sp	Q9NY80	TE2IP_HUMAN	Telomeric repeat-binding factor 2-interacting protein 1	TERF2IP
Not defined	sp	Q9NYB9	ABI2_HUMAN	Abl interactor 2	ABI2
Not defined	sp	Q9NYC9	DYH9_HUMAN	Dynein heavy chain 9, axonemal	DNAH9
Not defined	sp	Q9NYK1	TLR7_HUMAN	Toll-like receptor 7	TLR7
Not defined	sp	Q9NYL4	FKB11_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP11	FKBP11
Not defined	sp	Q9NYM9	BET1L_HUMAN	BET1-like protein	BET1L
Not defined	sp	Q9NYU1	UGGG2_HUMAN	UDP-glucose:glycoprotein glucosyltransferase 2	UGGT2
Not defined	sp	Q9NYU2	UGGG1_HUMAN	UDP-glucose:glycoprotein glucosyltransferase 1	UGGT1
Not defined	sp	Q9NYV4	CDK12_HUMAN	Cyclin-dependent kinase 12	CDK12
Not defined	sp	Q9NZ32	ARP10_HUMAN	Actin-related protein 10	ACTR10
Not defined	sp	Q9NZ43	USE1_HUMAN	Vesicle transport protein USE1	USE1
Not defined	sp	Q9NZ45	CISD1_HUMAN	CDGSH iron-sulfur domain-containing protein 1	CISD1
Not defined	sp	Q9NZ53	PDXL2_HUMAN	Podocalyxin-like protein 2	PODXL2
Not defined	sp	Q9NZ56	FMN2_HUMAN	Formin-2	FMN2
Not defined	sp	Q9NZ63	TL1_HUMAN	Telomere length and silencing protein 1 homolog	C9orf78
Not defined	sp	Q9NZ72	STMN3_HUMAN	Stathmin-3	STMN3
Not defined	sp	Q9NZC3	GDE1_HUMAN	Glycerophosphodiester phosphodiesterase 1	GDE1
Not defined	sp	Q9NZD8	SPG21_HUMAN	Masparidin	SPG21
Not defined	sp	Q9NZE8	RM35_HUMAN	39S ribosomal protein L35, mitochondrial	MRPL35
Not defined	sp	Q9NZG7	NINJ2_HUMAN	Ninjurin-2	NINJ2
Not defined	sp	Q9NZI7	UBP1_HUMAN	Upstream-binding protein 1	UBP1
Not defined	sp	Q9NZJ4	SACS_HUMAN	Sacsin	SACS
Not defined	sp	Q9NZJ6	COQ3_HUMAN	Ubiquinone biosynthesis O-methyltransferase, mitochondrial	COQ3
Not defined	sp	Q9NZJ7	MTCH1_HUMAN	Mitochondrial carrier homolog 1	MTCH1
Not defined	sp	Q9NZJ9	NUDT4_HUMAN	Diphosphoinositol polyphosphate phosphohydrolase 2	NUDT4
Not defined	sp	Q9NZL4	HPBP1_HUMAN	Hsp70-binding protein 1	HSPBP1
Not defined	sp	Q9NZM4	BICRA_HUMAN	BRD4-interacting chromatin-remodeling complex-associated protein	BICRA
Not defined	sp	Q9NZV5	NOP53_HUMAN	Ribosome biogenesis protein NOP53	NOP53
Not defined	sp	Q9NZN3	EHD3_HUMAN	EH domain-containing protein 3	EHD3
Not defined	sp	Q9NZN4	EHD2_HUMAN	EH domain-containing protein 2	EHD2
Not defined	sp	Q9NZN8	CNOT2_HUMAN	CCR4-NOT transcription complex subunit 2	CNOT2
Not defined	sp	Q9NZP2	OR6C2_HUMAN	Olfactory receptor 6C2	OR6C2
Not defined	sp	Q9NZR2	LRP1B_HUMAN	Low-density lipoprotein receptor-related protein 1B	LRP1B
Not defined	sp	Q9NZT2	OGFR_HUMAN	Opioid growth factor receptor	OGFR
Not defined	sp	Q9NZW5	MPP6_HUMAN	MAGUK p55 subfamily member 6	MPP6
Not defined	sp	Q9P013	CWC15_HUMAN	Spliceosome-associated protein CWC15 homolog	CWC15
Not defined	sp	Q9P016	THYN1_HUMAN	Thymocyte nuclear protein 1	THYN1
Not defined	sp	Q9P031	TAP26_HUMAN	Thyroid transcription factor 1-associated protein 26	CCDC59
Not defined	sp	Q9P032	NDUF4_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 4	NDUFAP4
Not defined	sp	Q9P035	HACD3_HUMAN	Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3	HACD3
Not defined	sp	Q9P086	MED11_HUMAN	Mediator of RNA polymerase II transcription subunit 11	MED11
Not defined	sp	Q9P086	CC167_HUMAN	Coiled-coil domain-containing protein 167	CCDC167
Not defined	sp	Q9P0J1	PDP1_HUMAN	[Pyruvate dehydrogenase (acetyl-transferring)]-phosphatase 1, mitochondrial	PDP1
Not defined	sp	Q9P0K7	RAI14_HUMAN	Ankycorbin	RAI14
Not defined	sp	Q9P0M6	H2AW_HUMAN	Core histone macro-H2A.2	MACROH2A2
Not defined	sp	Q9P0M9	RM27_HUMAN	39S ribosomal protein L27, mitochondrial	MRPL27
Not defined	sp	Q9P0P0	RNF181_HUMAN	E3 ubiquitin-protein ligase RNF181	RNF181
Not defined	sp	Q9P0P8	MRES1_HUMAN	Mitochondrial transcription rescue factor 1	MTRF1
Not defined	sp	Q9P0R6	GSKIP_HUMAN	GSK3B-interacting protein	GSKIP
Not defined	sp	Q9P0S2	COX16_HUMAN	Cytochrome c oxidase assembly protein COX16 homolog, mitochondrial	COX16
Not defined	sp	Q9P0T7	TMEM9_HUMAN	Transmembrane protein 9	TMEM9
Not defined	sp	Q9P0U1	TOM7_HUMAN	Mitochondrial import receptor subunit TOM7 homolog	TOMM7
Not defined	sp	Q9P0V9	SEP10_HUMAN	Septin-10	SEPTIN10
Not defined	sp	Q9P107	GMIP_HUMAN	GEM-interacting protein	GMIP
Not defined	sp	Q9P1A6	DLGP2_HUMAN	Disks large-associated protein 2	DLGAP2
Not defined	sp	Q9P1F3	ABRAL_HUMAN	Costars family protein ABRACL	ABRACL
Not defined	sp	Q9P1U1	ARP3B_HUMAN	Actin-related protein 3B	ACTR3B

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q9P1Y6	PHRF1_HUMAN	PHD and RING finger domain-containing protein 1	PHRF1
Not defined	sp	Q9P1Z0	ZBTB4_HUMAN	Zinc finger and BTB domain-containing protein 4	ZBTB4
Not defined	sp	Q9P1Z2	CACO1_HUMAN	Calcium-binding and coiled-coil domain-containing protein 1	CALCOCO1
Not defined	sp	Q9P206	K1522_HUMAN	Uncharacterized protein KIAA1522	KIAA1522
Not defined	sp	Q9P219	DAPLE_HUMAN	Protein Daple	CCDC88C
Not defined	sp	Q9P225	DYH2_HUMAN	Dynein heavy chain 2, axonemal	DNAH2
Not defined	sp	Q9P246	STIM2_HUMAN	Stromal interaction molecule 2	STIM2
Not defined	sp	Q9P289	STK26_HUMAN	Serine/threonine-protein kinase 26	STK26
Not defined	sp	Q9P2B2	FPRP_HUMAN	Prostaglandin F2 receptor negative regulator	PTGFRN
Not defined	sp	Q9P2D0	IBTK_HUMAN	Inhibitor of Bruton tyrosine kinase	IBTK
Not defined	sp	Q9P2D7	DYH1_HUMAN	Dynein heavy chain 1, axonemal	DNAH1
Not defined	sp	Q9P2F8	SI1L2_HUMAN	Signal-induced proliferation-associated 1-like protein 2	SIPA1L2
Not defined	sp	Q9P2G3	KLH14_HUMAN	Kelch-like protein 14	KLHL14
Not defined	sp	Q9P2G9	KLHL8_HUMAN	Kelch-like protein 8	KLHL8
Not defined	sp	Q9P2I0	CPSF2_HUMAN	Cleavage and polyadenylation specificity factor subunit 2	CPSF2
Not defined	sp	Q9P2J5	SYLC_HUMAN	Leucine-tRNA ligase, cytoplasmic	LARS1
Not defined	sp	Q9P2J9	PDP2_HUMAN	[Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 2, mitochondrial	PDP2
Not defined	sp	Q9P2K2	TXD16_HUMAN	Thioredoxin domain-containing protein 16	TXNDC16
Not defined	sp	Q9P2K5	MYEF2_HUMAN	Myelin expression factor 2	MYEF2
Not defined	sp	Q9P2L0	WDR35_HUMAN	WD repeat-containing protein 35	WDR35
Not defined	sp	Q9P2N4	ATS9_HUMAN	A disintegrin and metalloproteinase with thrombospondin motifs 9	ADAMTS9
Not defined	sp	Q9P2N5	RBM27_HUMAN	RNA-binding protein 27	RBM27
Not defined	sp	Q9P2P1	NYNR1_HUMAN	Protein NYNRIN	NYNRIN
Not defined	sp	Q9P2P6	STAR9_HUMAN	StAR-related lipid transfer protein 9	STARD9
Not defined	sp	Q9P2Q2	FRM4A_HUMAN	FERM domain-containing protein 4A	FRMD4A
Not defined	sp	Q9P2R7	SUCB1_HUMAN	Succinate-CoA ligase [ADP-forming] subunit beta, mitochondrial	SUCLA2
Not defined	sp	Q9P2S6	ANKY1_HUMAN	Ankyrin repeat and MYND domain-containing protein 1	ANKMY1
Not defined	sp	Q9P2X0	DPM3_HUMAN	Dolichol-phosphate mannosyltransferase subunit 3	DPM3
Not defined	sp	Q9P2Y4	ZN219_HUMAN	Zinc finger protein 219	ZNF219
Not defined	sp	Q9UBB4	ATX10_HUMAN	Ataxin-10	ATXN10
Not defined	sp	Q9UBC2	EP15R_HUMAN	Epidermal growth factor receptor substrate 15-like 1	EPS15L1
Not defined	sp	Q9UBC5	MYO1A_HUMAN	Unconventional myosin-1a	MYO1A
Not defined	sp	Q9UBF1	MAGC2_HUMAN	Melanoma-associated antigen C2	MAGEC2
Not defined	sp	Q9UBF2	COPG2_HUMAN	Coatomer subunit gamma-2	COPG2
Not defined	sp	Q9UBF8	PI4KB_HUMAN	Phosphatidylinositol 4-kinase beta	PI4KB
Not defined	sp	Q9UBG0	MRC2_HUMAN	C-type mannose receptor 2	MRC2
Not defined	sp	Q9UBI1	COMM3_HUMAN	COMM domain-containing protein 3	COMM3
Not defined	sp	Q9UBI4	STML1_HUMAN	Stomatin-like protein 1	STOML1
Not defined	sp	Q9UBK2	PRGC1_HUMAN	Peroxisome proliferator-activated receptor gamma coactivator 1-alpha	PPARGC1A
Not defined	sp	Q9UBK8	MTRR_HUMAN	Methionine synthase reductase	MTRR
Not defined	sp	Q9UBL3	ASH2L_HUMAN	Set1/Ash2 histone methyltransferase complex subunit ASH2	ASH2L
Not defined	sp	Q9UBL6	CPNE7_HUMAN	Copine-7	CPNE7
Not defined	sp	Q9UBN4	TRPC4_HUMAN	Short transient receptor potential channel 4	TRPC4
Not defined	sp	Q9UBN7	HDAC6_HUMAN	Histone deacetylase 6	HDAC6
Not defined	sp	Q9UBQ5	EIF3K_HUMAN	Eukaryotic translation initiation factor 3 subunit K	EIF3K
Not defined	sp	Q9UBQ6	EXTL2_HUMAN	Exostosin-like 2	EXTL2
Not defined	sp	Q9UBS8	RNF14_HUMAN	E3 ubiquitin-protein ligase RNF14	RNF14
Not defined	sp	Q9UBT2	SAE2_HUMAN	SUMO-activating enzyme subunit 2	UBA2
Not defined	sp	Q9UBT6	POLK_HUMAN	DNA polymerase kappa	POLK
Not defined	sp	Q9UBU8	MO4L1_HUMAN	Mortality factor 4-like protein 1	MORF4L1
Not defined	sp	Q9UBU9	NXF1_HUMAN	Nuclear RNA export factor 1	NXF1
Not defined	sp	Q9UBV2	SEL1L_HUMAN	Protein sel-1 homolog 1	SEL1L
Not defined	sp	Q9UBV8	PEF1_HUMAN	Peflin	PEF1
Not defined	sp	Q9UBX3	DIC_HUMAN	Mitochondrial dicarboxylate carrier	SLC25A10
Not defined	sp	Q9UDT6	CLIP2_HUMAN	CAP-Gly domain-containing linker protein 2	CLIP2
Not defined	sp	Q9UDW1	QCR9_HUMAN	Cytochrome b-c1 complex subunit 9	UCQR10
Not defined	sp	Q9UDX3	S14L4_HUMAN	SEC14-like protein 4	SEC14L4
Not defined	sp	Q9UDX4	S14L3_HUMAN	SEC14-like protein 3	SEC14L3
Not defined	sp	Q9UDY2	ZO2_HUMAN	Tight junction protein ZO-2	TJP2
Not defined	sp	Q9UEE9	CFDP1_HUMAN	Craniofacial development protein 1	CFDP1
Not defined	sp	Q9UEU0	VT1B_HUMAN	Vesicle transport through interaction with t-SNAREs homolog 1B	VT1B
Not defined	sp	Q9UEU5	GGE2D_HUMAN	G antigen 2D	GAGE2D
Not defined	sp	Q9UEW8	STK39_HUMAN	STE20/SPS1-related proline-alanine-rich protein kinase	STK39
Not defined	sp	Q9UEY8	ADDG_HUMAN	Gamma-adducin	ADD3
Not defined	sp	Q9UF33	EPHA6_HUMAN	Ephrin type-A receptor 6	EPHA6
Not defined	sp	Q9UFP1	GAK1A_HUMAN	Golgi-associated kinase 1A	GASK1A
Not defined	sp	Q9UFW8	CGBP1_HUMAN	CGG triplet repeat-binding protein 1	CGGBP1
Not defined	sp	Q9UG63	ABCF2_HUMAN	ATP-binding cassette sub-family F member 2	ABCF2
Not defined	sp	Q9UGM6	SYWM_HUMAN	Tryptophan-tRNA ligase, mitochondrial	WARS2
Not defined	sp	Q9UGP8	SEC63_HUMAN	Translocation protein SEC63 homolog	SEC63
Not defined	sp	Q9UGT4	SUSD2_HUMAN	Sushi domain-containing protein 2	SUSD2
Not defined	sp	Q9UGV2	NDRG3_HUMAN	Protein NDRG3	NDRG3
Not defined	sp	Q9UGY1	NOL12_HUMAN	Nucleolar protein 12	NOL12
Not defined	sp	Q9UH65	SWP70_HUMAN	Switch-associated protein 70	SWAP70
Not defined	sp	Q9UHA2	S18L2_HUMAN	SS18-like protein 2	SS18L2
Not defined	sp	Q9UHA3	RLP24_HUMAN	Probable ribosome biogenesis protein RLP24	RLS24D1
Not defined	sp	Q9UHA4	LTOR3_HUMAN	Regulator complex protein LAMTOR3	LAMTOR3
Not defined	sp	Q9UHB6	LIMA1_HUMAN	LIM domain and actin-binding protein 1	LIMA1
Not defined	sp	Q9UHB7	AFF4_HUMAN	AF4/FMR2 family member 4	AFF4
Not defined	sp	Q9UHB9	SRP68_HUMAN	Signal recognition particle subunit SRP68	SRP68
Not defined	sp	Q9UHC1	MLH3_HUMAN	DNA mismatch repair protein Mlh3	MLH3
Not defined	sp	Q9UHC3	ASIC3_HUMAN	Acid-sensing ion channel 3	ASIC3
Not defined	sp	Q9UHE8	STEAP1_HUMAN	Metalloreductase STEAP1	STEAP1
Not defined	sp	Q9UHF1	EGFL7_HUMAN	Epidermal growth factor-like protein 7	EGFL7
Not defined	sp	Q9UHJ6	SHPK_HUMAN	Sedoheptulokinase	SHPK
Not defined	sp	Q9UHK0	NUFP1_HUMAN	Nuclear fragile X mental retardation-interacting protein 1	NUFIP1
Not defined	sp	Q9UHK6	AMACR_HUMAN	Alpha-methylacyl-CoA racemase	AMACR
Not defined	sp	Q9UHL0	DDX25_HUMAN	ATP-dependent RNA helicase DDX25	DDX25
Not defined	sp	Q9UHL4	DPP2_HUMAN	Dipeptidyl peptidase 2	DPP2
Not defined	sp	Q9UHN1	DPOG2_HUMAN	DNA polymerase subunit gamma-2, mitochondrial	POLG2

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q9UHQ9	NBSR1_HUMAN	NADH-cytochrome b5 reductase 1	CYB5R1
Not defined	sp	Q9UHR4	BI2L1_HUMAN	Brain-specific angiogenesis inhibitor 1-associated protein 2-like protein 1	BAIAP2L1
Not defined	sp	Q9UHR5	S30BP_HUMAN	SAP30-binding protein	SAP30BP
Not defined	sp	Q9UHX3	AGRE2_HUMAN	Adhesion G protein-coupled receptor E2	ADGRE2
Not defined	sp	Q9UHY1	NRBP_HUMAN	Nuclear receptor-binding protein	NRBP1
Not defined	sp	Q9UHY7	ENOPH_HUMAN	Enolase-phosphatase E1	ENOPH1
Not defined	sp	Q9UI08	EVL_HUMAN	Ena/VASP-like protein	EVL
Not defined	sp	Q9UI09	NDUAC_HUMAN	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 12	NDUFA12
Not defined	sp	Q9UI14	PRAF1_HUMAN	Prenylated Rab acceptor protein 1	RABAC1
Not defined	sp	Q9UI42	CBPA4_HUMAN	Carboxypeptidase A4	CPA4
Not defined	sp	Q9UI47	CTNA3_HUMAN	Catenin alpha-3	CTNNA3
Not defined	sp	Q9UIC8	LCMT1_HUMAN	Leucine carboxyl methyltransferase 1	LCMT1
Not defined	sp	Q9UIF7	MUTYH_HUMAN	Adenine DNA glycosylase	MUTYH
Not defined	sp	Q9UIF8	BAZ2B_HUMAN	Bromodomain adjacent to zinc finger domain protein 2B	BAZ2B
Not defined	sp	Q9UII2	ATIF1_HUMAN	ATPase inhibitor, mitochondrial	ATP5IF1
Not defined	sp	Q9UIJ7	KAD3_HUMAN	GTP:AMP phosphotransferase AK3, mitochondrial	AK3
Not defined	sp	Q9UIK4	DAPK2_HUMAN	Death-associated protein kinase 2	DAPK2
Not defined	sp	Q9UIL1	SCOC_HUMAN	Short coiled-coil protein	SCOC
Not defined	sp	Q9UIQ6	LCAP_HUMAN	Leucyl-cystinyl aminopeptidase	LNPEP
Not defined	sp	Q9UIX4	KCNGB1_HUMAN	Potassium voltage-gated channel subfamily G member 1	KCNGB1
Not defined	sp	Q9UI04	TSYL4_HUMAN	Testis-specific Y-encoded-like protein 4	TSPYL4
Not defined	sp	Q9UI68	MSRA_HUMAN	Mitochondrial peptide methionine sulfoxide reductase	MSRA
Not defined	sp	Q9UI70	NAGK_HUMAN	N-acetyl-D-glucosamine kinase	NAGK
Not defined	sp	Q9UI72	ANX10_HUMAN	Annexin A10	ANXA10
Not defined	sp	Q9UI83	HACL1_HUMAN	Z-hydroxyacyl-CoA lyase 1	HACL1
Not defined	sp	Q9UIA5	TRM6_HUMAN	tRNA (adenine(58)-N(1))-methyltransferase non-catalytic subunit TRM6	TRMT6
Not defined	sp	Q9UIA9	ENPP5_HUMAN	Ectonucleotide pyrophosphatase/phosphodiesterase family member 5	ENPP5
Not defined	sp	Q9UIC5	SH3L2_HUMAN	SH3 domain-binding glutamic acid-rich-like protein 2	SH3BGL2
Not defined	sp	Q9UIJ9	GNPTG_HUMAN	N-acetylglucosamine-1-phosphotransferase subunit gamma	GNPTG
Not defined	sp	Q9UIQ7	SCP2D_HUMAN	SCP2 sterol-binding domain-containing protein 1	SCP2D1
Not defined	sp	Q9UI50	CMC2_HUMAN	Calcium-binding mitochondrial carrier protein Aralar2	SLC25A13
Not defined	sp	Q9UIV8	PURG_HUMAN	Purine-rich element-binding protein gamma	PURG
Not defined	sp	Q9UIV9	DDX41_HUMAN	Probable ATP-dependent RNA helicase DDX41	DDX41
Not defined	sp	Q9UIW0	DCTN4_HUMAN	Dynactin subunit 4	DCTN4
Not defined	sp	Q9UIY5	GGA1_HUMAN	ADP-ribosylation factor-binding protein GGA1	GGA1
Not defined	sp	Q9UK12	ZN222_HUMAN	Zinc finger protein 222	ZNF222
Not defined	sp	Q9UK13	ZN221_HUMAN	Zinc finger protein 221	ZNF221
Not defined	sp	Q9UK22	FBX2_HUMAN	F-box only protein 2	FBXO2
Not defined	sp	Q9UK23	NAGPA_HUMAN	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase	NAGPA
Not defined	sp	Q9UK41	VPS28_HUMAN	Vacuolar protein sorting-associated protein 28 homolog	VPS28
Not defined	sp	Q9UK53	ING1_HUMAN	Inhibitor of growth protein 1	ING1
Not defined	sp	Q9UK59	DBR1_HUMAN	Lariat debranching enzyme	DBR1
Not defined	sp	Q9UK80	UBP21_HUMAN	Ubiquitin carboxyl-terminal hydrolase 21	USP21
Not defined	sp	Q9UK97	FBX9_HUMAN	F-box only protein 9	FBXO9
Not defined	sp	Q9UK99	FBX3_HUMAN	F-box only protein 3	FBXO3
Not defined	sp	Q9UKD2	MRT4_HUMAN	mRNA turnover protein 4 homolog	MRTO4
Not defined	sp	Q9UKF6	CPSF3_HUMAN	Cleavage and polyadenylation specificity factor subunit 3	CPSF3
Not defined	sp	Q9UKG9	OCTC_HUMAN	Peroxisomal carnitine O-octanoyltransferase	CROT
Not defined	sp	Q9UKI2	BORG2_HUMAN	Cdc42 effector protein 3	CDC42EP3
Not defined	sp	Q9UKI9	PO2F3_HUMAN	POU domain, class 2, transcription factor 3	POU2F3
Not defined	sp	Q9UKJ3	GPTC8_HUMAN	G patch domain-containing protein 8	GPATCH8
Not defined	sp	Q9UKK6	NXT1_HUMAN	NTF2-related export protein 1	NXT1
Not defined	sp	Q9UKL0	RCOR1_HUMAN	REST corepressor 1	RCOR1
Not defined	sp	Q9UKL3	C8AP2_HUMAN	CASP8-associated protein 2	CASP8AP2
Not defined	sp	Q9UKM7	IMA1B1_HUMAN	Endoplasmic reticulum mannosyl-oligosaccharide 1,2-alpha-mannosidase	MAN1B1
Not defined	sp	Q9UKN7	MYO15_HUMAN	Unconventional myosin-XV	MYO15A
Not defined	sp	Q9UKN8	TF3C4_HUMAN	General transcription factor 3C polypeptide 4	TF3C4
Not defined	sp	Q9UKR3	KLK13_HUMAN	Kallikrein-13	KLK13
Not defined	sp	Q9UKS6	PACN3_HUMAN	Protein kinase C and casein kinase substrate in neurons protein 3	PACSIN3
Not defined	sp	Q9UKT4	FBX5_HUMAN	F-box only protein 5	FBXO5
Not defined	sp	Q9UKT5	FBX4_HUMAN	F-box only protein 4	FBXO4
Not defined	sp	Q9UKV6	TRHDE_HUMAN	Thyrotropin-releasing hormone-degrading ectoenzyme	TRHDE
Not defined	sp	Q9UKV8	AGO2_HUMAN	Protein argonaute-2	AGO2
Not defined	sp	Q9UKW4	VAV3_HUMAN	Guanine nucleotide exchange factor VAV3	VAV3
Not defined	sp	Q9UKX7	NUP50_HUMAN	Nuclear pore complex protein Nup50	NUP50
Not defined	sp	Q9UKY1	ZHX1_HUMAN	Zinc fingers and homeobox protein 1	ZHX1
Not defined	sp	Q9UL15	BAG5_HUMAN	BAG family molecular chaperone regulator 5	BAG5
Not defined	sp	Q9UL18	AGO1_HUMAN	Protein argonaute-1	AGO1
Not defined	sp	Q9UL25	RAB21_HUMAN	Ras-related protein Rab-21	RAB21
Not defined	sp	Q9UL26	RB22A_HUMAN	Ras-related protein Rab-22A	RAB22A
Not defined	sp	Q9UL42	PNMA2_HUMAN	Paraneoplastic antigen Ma2	PNMA2
Not defined	sp	Q9UL54	TAOK2_HUMAN	Serine/threonine-protein kinase TAO2	TAOK2
Not defined	sp	Q9UL63	MKLN1_HUMAN	Muskelin	MKLN1
Not defined	sp	Q9ULA0	DNPEP_HUMAN	Aspartyl aminopeptidase	DNPEP
Not defined	sp	Q9ULB1	NRX1A_HUMAN	Neurexin-1	NRXN1
Not defined	sp	Q9ULB4	CADH9_HUMAN	Cadherin-9	CDH9
Not defined	sp	Q9ULC0	MUCEN_HUMAN	Endomucin	EMCN
Not defined	sp	Q9ULC3	RAB23_HUMAN	Ras-related protein Rab-23	RAB23
Not defined	sp	Q9ULC6	PADI1_HUMAN	Protein-arginine deiminase type-1	PADI1
Not defined	sp	Q9ULF5	S39AA_HUMAN	Zinc transporter ZIP10	SLC39A10
Not defined	sp	Q9ULH0	KDIS_HUMAN	Kinase D-interacting substrate of 220 kDa	KIDINS220
Not defined	sp	Q9ULH4	LRFN2_HUMAN	Leucine-rich repeat and fibronectin type-III domain-containing protein 2	LRFN2
Not defined	sp	Q9ULI0	ATD2B_HUMAN	ATPase family AAA domain-containing protein 2B	ATAD2B
Not defined	sp	Q9ULI1	NWD2_HUMAN	NACHT and WD repeat domain-containing protein 2	NWD2
Not defined	sp	Q9ULI3	HEG1_HUMAN	Protein HEG homolog 1	HEG1
Not defined	sp	Q9ULI4	KIF26A_HUMAN	Kinesin-like protein KIF26A	KIF26A
Not defined	sp	Q9ULI1	ODF2L_HUMAN	Protein BCAP	ODF2L
Not defined	sp	Q9ULK6	RN150_HUMAN	RING finger protein 150	RNF150
Not defined	sp	Q9ULM3	YEATS2_HUMAN	YEATS domain-containing protein 2	YEATS2
Not defined	sp	Q9ULU8	CAP51_HUMAN	Calcium-dependent secretion activator 1	CADPS

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q9ULV0	MYO5B_HUMAN	Unconventional myosin-Vb	MYO5B
Not defined	sp	Q9ULW0	TPX2_HUMAN	Targeting protein for Xklp2	TPX2
Not defined	sp	Q9ULX3	NOB1_HUMAN	RNA-binding protein NOB1	NOB1
Not defined	sp	Q9ULX6	AKP8L_HUMAN	A-kinase anchor protein 8-like	AKAP8L
Not defined	sp	Q9ULX7	CAH14_HUMAN	Carbonic anhydrase 14	CA14
Not defined	sp	Q9ULZ3	ASC_HUMAN	Apoptosis-associated speck-like protein containing a CARD	PYCARD
Not defined	sp	Q9UM01	YLAT1_HUMAN	Y-L amino acid transporter 1	SLC7A7
Not defined	sp	Q9UM22	EPDR1_HUMAN	Mammalian ependymin-related protein 1	EPDR1
Not defined	sp	Q9UMD9	COHA1_HUMAN	Collagen alpha-1(XVII) chain	COL17A1
Not defined	sp	Q9UMF0	ICAM5_HUMAN	Intercellular adhesion molecule 5	ICAM5
Not defined	sp	Q9UMR2	DD19B_HUMAN	ATP-dependent RNA helicase DDX19B	DDX19B
Not defined	sp	Q9UMR5	PPT2_HUMAN	Lysosomal thioesterase PPT2	PPT2
Not defined	sp	Q9UMS0	NFU1_HUMAN	NFU1 iron-sulfur cluster scaffold homolog, mitochondrial	NFU1
Not defined	sp	Q9UMS4	PRP19_HUMAN	Pre-mRNA-processing factor 19	PRPF19
Not defined	sp	Q9UMX5	NENF_HUMAN	Neudessin	NENF
Not defined	sp	Q9UMX9	S45A2_HUMAN	Membrane-associated transporter protein	SLC45A2
Not defined	sp	Q9UMZ2	SYNRG_HUMAN	Synergin gamma	SYNRG
Not defined	sp	Q9UN79	SOX13_HUMAN	Transcription factor SOX-13	SOX13
Not defined	sp	Q9UN81	LORF1_HUMAN	LINE-1 retrotransposable element ORF1 protein	L1RE1
Not defined	sp	Q9UNE7	CHIP_HUMAN	E3 ubiquitin-protein ligase CHIP	STUB1
Not defined	sp	Q9UNF1	MAGD2_HUMAN	Melanoma-associated antigen D2	MAGED2
Not defined	sp	Q9UNH7	SNX6_HUMAN	Sorting nexin-6	SNX6
Not defined	sp	Q9UNI6	DUS12_HUMAN	Dual specificity protein phosphatase 12	DUSP12
Not defined	sp	Q9UNK0	STX8_HUMAN	Syntaxin-8	STX8
Not defined	sp	Q9UNK9	ANGE1_HUMAN	Protein angel homolog 1	ANGEL1
Not defined	sp	Q9UNL2	SSRG_HUMAN	Translocon-associated protein subunit gamma	SSR3
Not defined	sp	Q9UNL4	ING4_HUMAN	Inhibitor of growth protein 4	ING4
Not defined	sp	Q9UNM6	PSD13_HUMAN	26S proteasome non-ATPase regulatory subunit 13	PSMD13
Not defined	sp	Q9UNN5	FAF1_HUMAN	FAS-associated factor 1	FAF1
Not defined	sp	Q9UNN8	EPCR_HUMAN	Endothelial protein C receptor	PROCR
Not defined	sp	Q9UNS2	CSN3_HUMAN	COP9 signalosome complex subunit 3	COP3
Not defined	sp	Q9UNW1	MINP1_HUMAN	Multiple inositol polyphosphate phosphatase 1	MINPP1
Not defined	sp	Q9UNX3	RL26L_HUMAN	60S ribosomal protein L26-like 1	RPL26L1
Not defined	sp	Q9UNX9	KCJ14_HUMAN	ATP-sensitive inward rectifier potassium channel 14	KCNJ14
Not defined	sp	Q9UNZ5	L10K_HUMAN	Leydig cell tumor 10 kDa protein homolog	C19orf53
Not defined	sp	Q9UP65	PA24C_HUMAN	Cytosolic phospholipase A2 gamma	PLA2G4C
Not defined	sp	Q9UP1E	SRPK3_HUMAN	SRSF protein kinase 3	SRPK3
Not defined	sp	Q9UPN3	MACF1_HUMAN	Microtubule-actin cross-linking factor 1, isoforms 1/2/3/5	MACF1
Not defined	sp	Q9UPN4	CP131_HUMAN	Centrosomal protein of 131 kDa	CEP131
Not defined	sp	Q9UPN6	SCAF8_HUMAN	SR-related and CTD-associated factor 8	SCAF8
Not defined	sp	Q9UPP2	IQEC3_HUMAN	IQ motif and SEC7 domain-containing protein 3	IQSEC3
Not defined	sp	Q9UPR3	SMG5_HUMAN	Protein SMG5	SMG5
Not defined	sp	Q9UPM8	ANKRD26_HUMAN	Ankyrin repeat domain-containing protein 26	ANKRD26
Not defined	sp	Q9UPT6	JIP3_HUMAN	C-Jun-amino-terminal kinase-interacting protein 3	MAPK8IP3
Not defined	sp	Q9UP18	ZC3H4_HUMAN	Zinc finger CCH domain-containing protein 4	ZC3H4
Not defined	sp	Q9UP19	UBP22_HUMAN	Ubiquitin carboxyl-terminal hydrolase 22	USP22
Not defined	sp	Q9UPV0	CE164_HUMAN	Centrosomal protein of 164 kDa	CEP164
Not defined	sp	Q9UPY3	DICER_HUMAN	Endoribonuclease Dicer	DICER1
Not defined	sp	Q9UPY8	MARE3_HUMAN	Microtubule-associated protein RP/EB family member 3	MAPRE3
Not defined	sp	Q9UPZ9	CILK1_HUMAN	Serine/threonine-protein kinase ICK	CILK1
Not defined	sp	Q9UQ16	DYN3_HUMAN	Dynamin-3	DNM3
Not defined	sp	Q9UQ26	RIMS2_HUMAN	Regulating synaptic membrane exocytosis protein 2	RIMS2
Not defined	sp	Q9UQ88	CD11A_HUMAN	Cyclin-dependent kinase 11A	CDK11A
Not defined	sp	Q9UQ88	BAIP2_HUMAN	Brain-specific angiogenesis inhibitor 1-associated protein 2	BAIAP2
Not defined	sp	Q9UQE7	SMC3_HUMAN	Structural maintenance of chromosomes protein 3	SMC3
Not defined	sp	Q9UQN3	CHM2B_HUMAN	Charged multivesicular body protein 2b	CHMP2B
Not defined	sp	Q9Y216	MTMR7_HUMAN	Myotubularin-related protein 7	MTMR7
Not defined	sp	Q9Y217	MTMR6_HUMAN	Myotubularin-related protein 6	MTMR6
Not defined	sp	Q9Y221	NIP7_HUMAN	60S ribosome subunit biogenesis protein NIP7 homolog	NIP7
Not defined	sp	Q9Y223	GLCNE_HUMAN	Bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase	GENE
Not defined	sp	Q9Y228	T3JAM_HUMAN	TRAF3-interacting JNK-activating modulator	TRAF3IP3
Not defined	sp	Q9Y233	PDE10_HUMAN	cAMP and cAMP-inhibited cGMP 3',5'-cyclic phosphodiesterase 10A	PDE10A
Not defined	sp	Q9Y238	DLEC1_HUMAN	Deleted in lung and esophageal cancer protein 1	DLEC1
Not defined	sp	Q9Y244	POMP_HUMAN	Proteasome maturation protein	POMP
Not defined	sp	Q9Y247	FAM50B_HUMAN	Protein FAM50B	FAM50B
Not defined	sp	Q9Y248	PSF2_HUMAN	DNA replication complex GINS protein PSF2	GINS2
Not defined	sp	Q9Y250	LZTS1_HUMAN	Leucine zipper putative tumor suppressor 1	LZTS1
Not defined	sp	Q9Y259	CHKB_HUMAN	Choline/ethanolamine kinase	CHKB
Not defined	sp	Q9Y262	EIF3L_HUMAN	Eukaryotic translation initiation factor 3 subunit L	EIF3L
Not defined	sp	Q9Y282	ERGI3_HUMAN	Endoplasmic reticulum-Golgi intermediate compartment protein 3	ERGI3
Not defined	sp	Q9Y287	ITM2B_HUMAN	Integral membrane protein 2B	ITM2B
Not defined	sp	Q9Y291	RT33_HUMAN	28S ribosomal protein S33, mitochondrial	MRP533
Not defined	sp	Q9Y294	ASF1A_HUMAN	Histone chaperone ASF1A	ASF1A
Not defined	sp	Q9Y295	DRG1_HUMAN	Developmentally-regulated GTP-binding protein 1	DRG1
Not defined	sp	Q9Y296	TPPC4_HUMAN	Trafficking protein particle complex subunit 4	TRAPP4
Not defined	sp	Q9Y2B4	TP53G5_HUMAN	TP53-target gene 5 protein	TP53TG5
Not defined	sp	Q9Y2C4	EXOG_HUMAN	Nuclease EXOG, mitochondrial	EXOG
Not defined	sp	Q9Y2D4	EXC6B_HUMAN	Exocyst complex component 6B	EXOC6B
Not defined	sp	Q9Y2E5	MA2B2_HUMAN	Epididymis-specific alpha-mannosidase	MAN2B2
Not defined	sp	Q9Y2F5	ICE1_HUMAN	Little elongation complex subunit 1	ICE1
Not defined	sp	Q9Y2G4	ANKR6_HUMAN	Ankyrin repeat domain-containing protein 6	ANKRD6
Not defined	sp	Q9Y2G5	OFUT2_HUMAN	GDP-fucose protein O-fucosyltransferase 2	POFUT2
Not defined	sp	Q9Y2G7	ZFP30_HUMAN	Zinc finger protein 30 homolog	ZFP30
Not defined	sp	Q9Y2G8	DIC16_HUMAN	DnaI homolog subfamily C member 16	DNAIC16
Not defined	sp	Q9Y2H0	DLGP4_HUMAN	Disks large-associated protein 4	DLGAP4
Not defined	sp	Q9Y2H5	PKHA6_HUMAN	Pleckstrin homology domain-containing family A member 6	PLEKHA6
Not defined	sp	Q9Y2H6	FND3A_HUMAN	Fibronectin type-III domain-containing protein 3A	FNDC3A
Not defined	sp	Q9Y2I1	NISCH_HUMAN	Nischarin	NISCH
Not defined	sp	Q9Y2J2	E41L3_HUMAN	Band 4.1-like protein 3	EPB41L3
Not defined	sp	Q9Y2J8	PADI2_HUMAN	Protein-arginine deiminase type-2	PADI2

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q9Y2K1	ZBTB1_HUMAN	Zinc finger and BTB domain-containing protein 1	ZBTB1
Not defined	sp	Q9Y2K2	SIK3_HUMAN	Serine/threonine-protein kinase SIK3	SIK3
Not defined	sp	Q9Y2L1	RRP44_HUMAN	Exosome complex exonuclease RRP44	DIS3
Not defined	sp	Q9Y2Q3	GSTK1_HUMAN	Glutathione S-transferase kappa 1	GSTK1
Not defined	sp	Q9Y2Q5	LTOR2_HUMAN	Ragulator complex protein LAMTOR2	LAMTOR2
Not defined	sp	Q9Y2R4	DDX52_HUMAN	Probable ATP-dependent RNA helicase DDX52	DDX52
Not defined	sp	Q9Y2R5	RT17_HUMAN	28S ribosomal protein S17, mitochondrial	MRPS17
Not defined	sp	Q9Y2S6	TMA7_HUMAN	Translation machinery-associated protein 7	TMA7
Not defined	sp	Q9Y2S7	PDIP2_HUMAN	Polymerase delta-interacting protein 2	POLDIP2
Not defined	sp	Q9Y2T4	ZABG_HUMAN	Serine/threonine-protein phosphatase 2A55 kDa regulatory subunit B gamma isoform	PPP2R2C
Not defined	sp	Q9Y2U8	MAN1_HUMAN	Inner nuclear membrane protein Man1	LEM3
Not defined	sp	Q9Y2U9	KLDC2_HUMAN	Kelch domain-containing protein 2	KLDC2
Not defined	sp	Q9Y2X3	NOP58_HUMAN	Nucleolar protein 58	NOP58
Not defined	sp	Q9Y2X9	ZN281_HUMAN	Zinc finger protein 281	ZNF281
Not defined	sp	Q9Y2Y0	AR2BP_HUMAN	ADP-ribosylation factor-like protein 2-binding protein	ARL2BP
Not defined	sp	Q9Y2Z0	SGT1_HUMAN	Protein SGT1 homolog	SUGT1
Not defined	sp	Q9Y2Z4	SYYM_HUMAN	Tyrosine-tRNA ligase, mitochondrial	YARS2
Not defined	sp	Q9Y2Z9	COQ6_HUMAN	Ubiquinone biosynthesis monooxygenase COQ6, mitochondrial	COQ6
Not defined	sp	Q9Y305	ACOT9_HUMAN	Acyl-coenzyme A thioesterase 9, mitochondrial	ACOT9
Not defined	sp	Q9Y314	NOSIP_HUMAN	Nitric oxide synthase-interacting protein	NOSIP
Not defined	sp	Q9Y315	DEOC_HUMAN	Deoxyribose-phosphate aldolase	DERA
Not defined	sp	Q9Y316	MEMO1_HUMAN	Protein MEMO1	MEMO1
Not defined	sp	Q9Y320	TMX2_HUMAN	Thioredoxin-related transmembrane protein 2	TMX2
Not defined	sp	Q9Y342	PLLP_HUMAN	Plasmolipin	PLLP
Not defined	sp	Q9Y365	STA10_HUMAN	START domain-containing protein 10	STARTD10
Not defined	sp	Q9Y371	SHLB1_HUMAN	Endophilin-B1	SH3GLB1
Not defined	sp	Q9Y375	CIA30_HUMAN	Complex I intermediate-associated protein 30, mitochondrial	NDUF4F1
Not defined	sp	Q9Y376	CAB39_HUMAN	Calcium-binding protein 39	CAB39
Not defined	sp	Q9Y388	RBMX2_HUMAN	RNA-binding motif protein, X-linked 2	RBMX2
Not defined	sp	Q9Y399	RT02_HUMAN	28S ribosomal protein S2, mitochondrial	MRPS2
Not defined	sp	Q9Y3A5	SBDS_HUMAN	Ribosome maturation protein SBDS	SBDS
Not defined	sp	Q9Y3A6	TMED5_HUMAN	Transmembrane emp24 domain-containing protein 5	TMED5
Not defined	sp	Q9Y3B1	PLD3B_HUMAN	PRELI domain containing protein 3B	PRELID3B
Not defined	sp	Q9Y3B2	EXOS1_HUMAN	Exosome complex component CSL4	EXOSC1
Not defined	sp	Q9Y3B4	SF3B6_HUMAN	Splicing factor 3B subunit 6	SF3B6
Not defined	sp	Q9Y3B9	RRP15_HUMAN	RRP15-like protein	RRP15
Not defined	sp	Q9Y3C0	WASC3_HUMAN	WASH complex subunit 3	WASHC3
Not defined	sp	Q9Y3C5	RNF11_HUMAN	RING finger protein 11	RNF11
Not defined	sp	Q9Y3C8	UFC1_HUMAN	Ubiquitin-fold modifier-conjugating enzyme 1	UFC1
Not defined	sp	Q9Y3D0	CIA2B_HUMAN	Cytosolic iron-sulfur assembly component 2B	CIA2B
Not defined	sp	Q9Y3D2	MSRB2_HUMAN	Methionine-R-sulfoxide reductase B2, mitochondrial	MSRB2
Not defined	sp	Q9Y3D3	RT16_HUMAN	28S ribosomal protein S16, mitochondrial	MRPS16
Not defined	sp	Q9Y3D5	RT18C_HUMAN	28S ribosomal protein S18c, mitochondrial	MRPS18C
Not defined	sp	Q9Y3D8	KAD6_HUMAN	Adenylate kinase isoenzyme 6	AK6
Not defined	sp	Q9Y3E0	GOT1B_HUMAN	Vesicle transport protein GOT1B	GOLT1B
Not defined	sp	Q9Y3E2	BOLA1_HUMAN	BoLA-like protein 1	BOLA1
Not defined	sp	Q9Y3E5	PTH2_HUMAN	Peptidyl-tRNA hydrolase 2, mitochondrial	PTRH2
Not defined	sp	Q9Y3E7	CHMP3_HUMAN	Charged multivesicular body protein 3	CHMP3
Not defined	sp	Q9Y3I0	RTCB_HUMAN	RNA-splicing ligase RtcB homolog	RTCB
Not defined	sp	Q9Y3I1	FBX7_HUMAN	F-box only protein 7	FBXO7
Not defined	sp	Q9Y3I3	3BP1_HUMAN	SH3 domain-binding protein 1	SH3BP1
Not defined	sp	Q9Y3Q3	TMED3_HUMAN	Transmembrane emp24 domain-containing protein 3	TMED3
Not defined	sp	Q9Y3Q8	T2D4_HUMAN	TSC22 domain family protein 4	TSC22D4
Not defined	sp	Q9Y3S1	WNK2_HUMAN	Serine/threonine-protein kinase WNK2	WNK2
Not defined	sp	Q9Y3S2	ZN330_HUMAN	Zinc finger protein 330	ZNF330
Not defined	sp	Q9Y3X0	CCDC9_HUMAN	Coiled-coil domain-containing protein 9	CCDC9
Not defined	sp	Q9Y3Z3	SAMH1_HUMAN	Deoxynucleoside triphosphate triphosphohydrolase SAMHD1	SAMHD1
Not defined	sp	Q9Y421	FA32A_HUMAN	Protein FAM32A	FAM32A
Not defined	sp	Q9Y446	PKP3_HUMAN	Plakophilin-3	PKP3
Not defined	sp	Q9Y448	SKAP_HUMAN	Small kinetochore-associated protein	KNSTRN
Not defined	sp	Q9Y450	HBS1L_HUMAN	HBS1-like protein	HBS1L
Not defined	sp	Q9Y466	NR2E1_HUMAN	Nuclear receptor subfamily 2 group E member 1	NR2E1
Not defined	sp	Q9Y478	AAKB1_HUMAN	5'-AMP-activated protein kinase subunit beta-1	PRKAB1
Not defined	sp	Q9Y485	DMXL1_HUMAN	DmX-like protein 1	DMXL1
Not defined	sp	Q9Y4B5	MTCL1_HUMAN	Microtubule cross-linking factor 1	MTCL1
Not defined	sp	Q9Y4B6	DCAF1_HUMAN	DDB1- and CUL4-associated factor 1	DCAF1
Not defined	sp	Q9Y4C2	TCAF1_HUMAN	TRPM8 channel-associated factor 1	TCAF1
Not defined	sp	Q9Y4C5	CHST2_HUMAN	Carbohydrate sulfotransferase 2	CHST2
Not defined	sp	Q9Y4D7	PLXD1_HUMAN	Plexin-D1	PLXND1
Not defined	sp	Q9Y4D8	HECTD4_HUMAN	Probable E3 ubiquitin-protein ligase HECTD4	HECTD4
Not defined	sp	Q9Y4E1	WAC2C_HUMAN	WASH complex subunit 2C	WASHC2C
Not defined	sp	Q9Y4E8	UBP15_HUMAN	Ubiquitin carboxyl-terminal hydrolase 15	USP15
Not defined	sp	Q9Y4F5	C170B_HUMAN	Centrosomal protein of 170 kDa protein B	CEP170B
Not defined	sp	Q9Y4G2	PKHM1_HUMAN	Pleckstrin homology domain-containing family M member 1	PLEKHM1
Not defined	sp	Q9Y4G8	RPGF2_HUMAN	Rap guanine nucleotide exchange factor 2	RAPGEF2
Not defined	sp	Q9Y4K0	LOXL2_HUMAN	Lysyl oxidase homolog 2	LOXL2
Not defined	sp	Q9Y4K1	CRBG1_HUMAN	Beta/gamma crystallin domain-containing protein 1	CRYBG1
Not defined	sp	Q9Y4K3	TRAF6_HUMAN	TNF receptor-associated factor 6	TRAF6
Not defined	sp	Q9Y4P3	TBL2_HUMAN	Transducin beta-like protein 2	TBL2
Not defined	sp	Q9Y4R8	TELO2_HUMAN	Telomere length regulation protein TEL2 homolog	TELO2
Not defined	sp	Q9Y4W6	AFG32_HUMAN	AFG3-like protein 2	AFG3L2
Not defined	sp	Q9Y4Y9	LSM5_HUMAN	U6 snRNA-associated Sm-like protein LSm5	LSM5
Not defined	sp	Q9Y512	SAM50_HUMAN	Sorting and assembly machinery component 50 homolog	SAMM50
Not defined	sp	Q9Y520	PRRC2C_HUMAN	Protein PRRC2C	PRRC2C
Not defined	sp	Q9Y530	OARD1_HUMAN	ADP-ribose glycohydrolase OARD1	OARD1
Not defined	sp	Q9Y547	IFT25_HUMAN	Intraflagellar transport protein 25 homolog	HSPB11
Not defined	sp	Q9Y561	LRP12_HUMAN	Low-density lipoprotein receptor-related protein 12	LRP12
Not defined	sp	Q9Y570	PPME1_HUMAN	Protein phosphatase methyltransferase 1	PPME1
Not defined	sp	Q9Y576	ASB1_HUMAN	Ankyrin repeat and SOCS box protein 1	ASB1
Not defined	sp	Q9Y580	RBM7_HUMAN	RNA-binding protein 7	RBM7

Supplementary Table 2.xlsx

Cluster	class	UNIPROT	UNIPROT_ID	Description	GN
Not defined	sp	Q9Y584	TIM22_HUMAN	Mitochondrial import inner membrane translocase subunit Tim22	TIMM22
Not defined	sp	Q9Y589	SP16H_HUMAN	FACT complex subunit SPT16	SUPT16H
Not defined	sp	Q9Y5E7	PCDB2_HUMAN	Protocadherin beta-2	PCDHB2
Not defined	sp	Q9Y5F3	PCDB1_HUMAN	Protocadherin beta-1	PCDHB1
Not defined	sp	Q9Y5F6	PCDGM_HUMAN	Protocadherin gamma-C5	PCDHGCS
Not defined	sp	Q9Y5G4	PCDG9_HUMAN	Protocadherin gamma-A9	PCDHGA9
Not defined	sp	Q9Y5H4	PCDG1_HUMAN	Protocadherin gamma-A1	PCDHGA1
Not defined	sp	Q9Y5I2	PCDAA_HUMAN	Protocadherin alpha-10	PCDHA10
Not defined	sp	Q9Y5I4	PCDC2_HUMAN	Protocadherin alpha-C2	PCDHAC2
Not defined	sp	Q9Y5J6	T10B_HUMAN	Mitochondrial import inner membrane translocase subunit Tim10 B	TIMM10B
Not defined	sp	Q9Y5J9	TIM8B_HUMAN	Mitochondrial import inner membrane translocase subunit Tim8 B	TIMM8B
Not defined	sp	Q9Y5K3	PCY1B_HUMAN	Choline-phosphate cytidyltransferase B	PCYT1B
Not defined	sp	Q9Y5K5	UCHL5_HUMAN	Ubiquitin carboxyl-terminal hydrolase isozyme L5	UCHL5
Not defined	sp	Q9Y5M8	SRPRB_HUMAN	Signal recognition particle receptor subunit beta	SRPRB
Not defined	sp	Q9Y5N5	N6MT1_HUMAN	Methyltransferase N6AMT1	N6AMT1
Not defined	sp	Q9Y5P4	CERT_HUMAN	Ceramide transfer protein	CERT1
Not defined	sp	Q9Y5P6	GMPPB_HUMAN	Mannose-1-phosphate guanyltransferase beta	GMPPB
Not defined	sp	Q9Y5Q0	FADS3_HUMAN	Fatty acid desaturase 3	FADS3
Not defined	sp	Q9Y5Q8	TF3C5_HUMAN	General transcription factor 3C polypeptide 5	GTF3C5
Not defined	sp	Q9Y5T4	DJC15_HUMAN	DnaI homolog subfamily C member 15	DNAIC15
Not defined	sp	Q9Y5U2	TSSC4_HUMAN	Protein TSSC4	TSSC4
Not defined	sp	Q9Y5U9	IR3IP_HUMAN	Immediate early response 3-interacting protein 1	IER3IP1
Not defined	sp	Q9Y5W5	WIF1_HUMAN	Wnt inhibitory factor 1	WIF1
Not defined	sp	Q9Y5W7	SNX14_HUMAN	Sorting nexin-14	SNX14
Not defined	sp	Q9Y5X3	SNX5_HUMAN	Sorting nexin-5	SNX5
Not defined	sp	Q9Y5Y6	ST14_HUMAN	Suppressor of tumorigenicity 14 protein	ST14
Not defined	sp	Q9Y5Z4	HEBP2_HUMAN	Heme-binding protein 2	HEBP2
Not defined	sp	Q9Y605	MOFA1_HUMAN	MORF4 family-associated protein 1	MRFAP1
Not defined	sp	Q9Y606	TRUA_HUMAN	tRNA pseudouridine synthase A	PUS1
Not defined	sp	Q9Y608	LRRF2_HUMAN	Leucine-rich repeat flightless-interacting protein 2	LRRFP2
Not defined	sp	Q9Y613	FHOD1_HUMAN	FH1/FH2 domain-containing protein 1	FHOD1
Not defined	sp	Q9Y618	NCOR2_HUMAN	Nuclear receptor corepressor 2	NCOR2
Not defined	sp	Q9Y646	CBPO_HUMAN	Carboxypeptidase Q	CPQ
Not defined	sp	Q9Y653	AGRG1_HUMAN	Adhesion G-protein coupled receptor G1	ADGRG1
Not defined	sp	Q9Y657	SPIN1_HUMAN	Spindlin-1	SPIN1
Not defined	sp	Q9Y676	RT18B_HUMAN	28S ribosomal protein S18b, mitochondrial	MRPS18B
Not defined	sp	Q9Y678	COPG1_HUMAN	Coatomer subunit gamma-1	COPG1
Not defined	sp	Q9Y680	FKBP7_HUMAN	Peptidyl-prolyl cis-trans isomerase FKBP7	FKBP7
Not defined	sp	Q9Y689	ARL5A_HUMAN	ADP-ribosylation factor-like protein 5A	ARL5A
Not defined	sp	Q9Y692	GMEB1_HUMAN	Glucocorticoid modulatory element-binding protein 1	GMEB1
Not defined	sp	Q9Y696	CLIC4_HUMAN	Chloride intracellular channel protein 4	CLIC4
Not defined	sp	Q9Y697	NFS1_HUMAN	Cysteine desulfurase, mitochondrial	NFS1
Not defined	sp	Q9Y6A4	CFA20_HUMAN	Cilia- and flagella-associated protein 20	CFAP20
Not defined	sp	Q9Y6A5	TACC3_HUMAN	Transforming acidic coiled-coil-containing protein 3	TACC3
Not defined	sp	Q9Y6A9	SPCS1_HUMAN	Signal peptidase complex subunit 1	SPCS1
Not defined	sp	Q9Y6C9	MTCH2_HUMAN	Mitochondrial carrier homolog 2	MTCH2
Not defined	sp	Q9Y6D9	MD1L1_HUMAN	Mitotic spindle assembly checkpoint protein MAD1	MAD1L1
Not defined	sp	Q9Y6E0	STK24_HUMAN	Serine/threonine-protein kinase 24	STK24
Not defined	sp	Q9Y6E2	BZW2_HUMAN	Basic leucine zipper and W2 domain-containing protein 2	BZW2
Not defined	sp	Q9Y6G3	RM42_HUMAN	39S ribosomal protein L42, mitochondrial	MRPL42
Not defined	sp	Q9Y6K8	KAD5_HUMAN	Adenylate kinase isoenzyme 5	AK5
Not defined	sp	Q9Y6M4	KC1G3_HUMAN	Casein kinase I isoform gamma-3	CSNK1G3
Not defined	sp	Q9Y6M5	ZNT1_HUMAN	Zinc transporter 1	SLC30A1
Not defined	sp	Q9Y6M7	S4A7_HUMAN	Sodium bicarbonate cotransporter 3	SLCA47
Not defined	sp	Q9Y6M9	NDUB9_HUMAN	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 9	NDUF9
Not defined	sp	Q9Y6N5	SQOR_HUMAN	Sulfide:quinone oxidoreductase, mitochondrial	SQOR
Not defined	sp	Q9Y6N7	ROBO1_HUMAN	Roundabout homolog 1	ROBO1
Not defined	sp	Q9Y6N8	CAD10_HUMAN	Cadherin-10	CDH10
Not defined	sp	Q9Y6Q5	AP1M2_HUMAN	AP-1 complex subunit mu-2	AP1M2
Not defined	sp	Q9Y6R4	MAP3K4_HUMAN	Mitogen-activated protein kinase kinase kinase 4	MAP3K4
Not defined	sp	Q9Y6W3	CAN7_HUMAN	Calpain-7	CAPN7
Not defined	sp	Q9Y6W5	WASF2_HUMAN	Wiskott-Aldrich syndrome protein family member 2	WASF2
Not defined	sp	Q9Y6X5	ENPP4_HUMAN	Bis[5'-adenosyl]-triphosphatase ENPP4	ENPP4
Not defined	sp	Q9Y6Y8	S23IP_HUMAN	SEC23-interacting protein	SEC23IP
Not defined	sp	U3KPV4	A3LT2_HUMAN	Alpha-1,3-galactosyltransferase 2	A3GALT2