

Supplementary Information

Spatial and functional organization of mitochondrial protein network

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Supplementary Figure

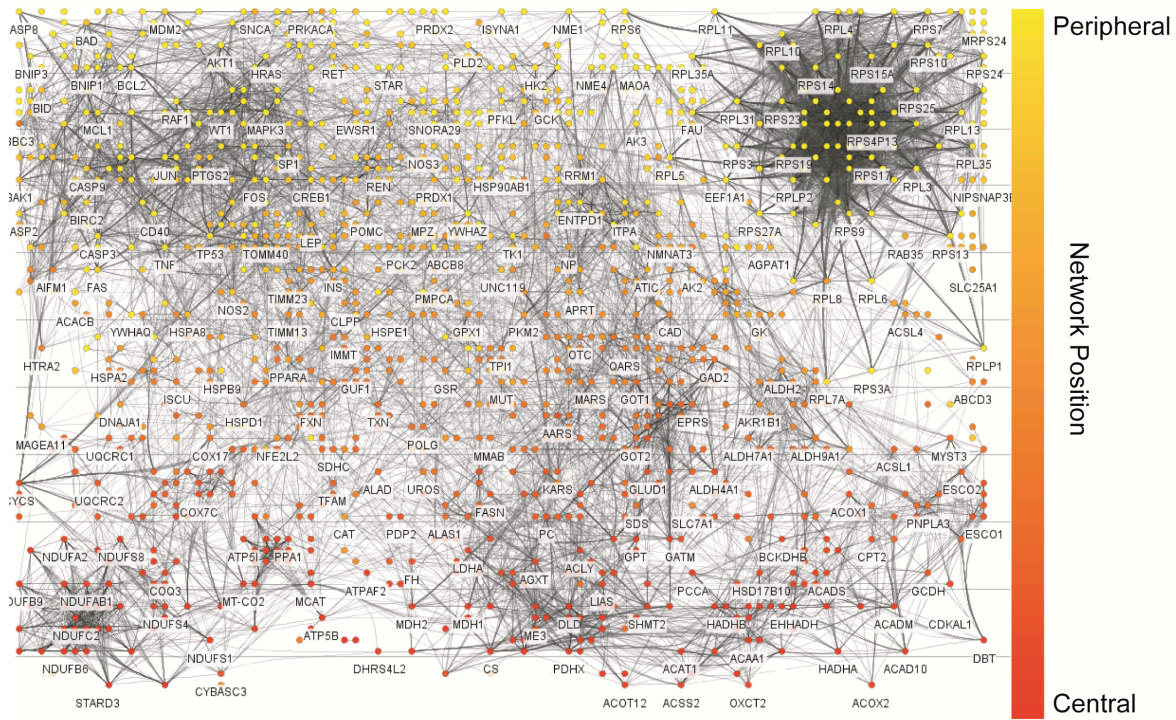


Figure. S1. Spatial organization of the MPF network according to network position.

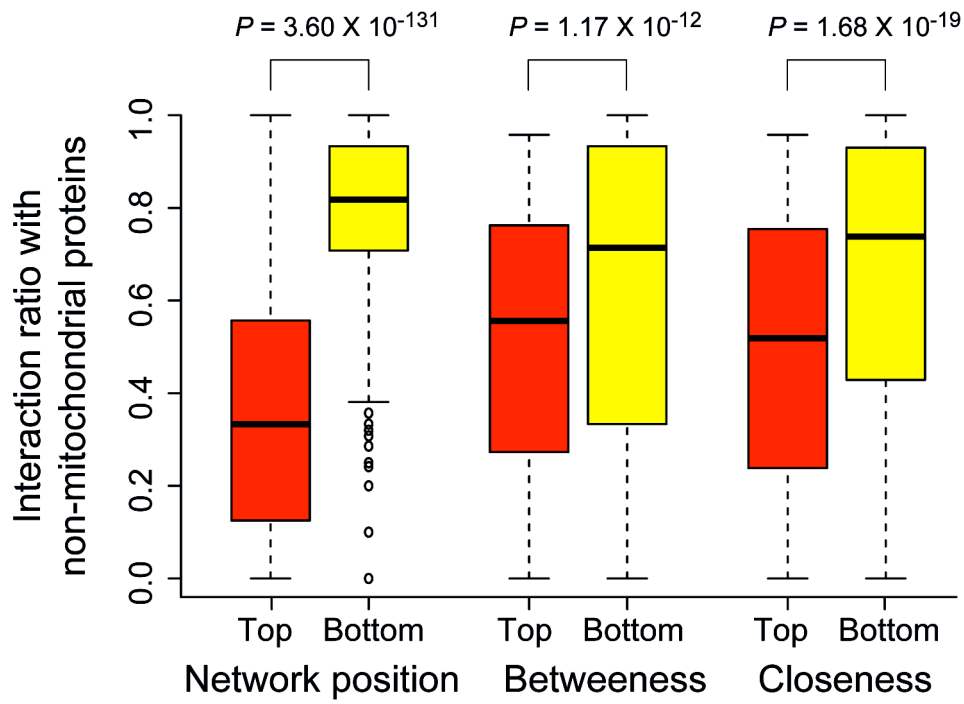


Figure. S2. Comparison of the interactions with non-mitochondrial protein partners. Top represent the top 50% of central proteins, whereas bottom represents the bottom 50 % of peripheral proteins.

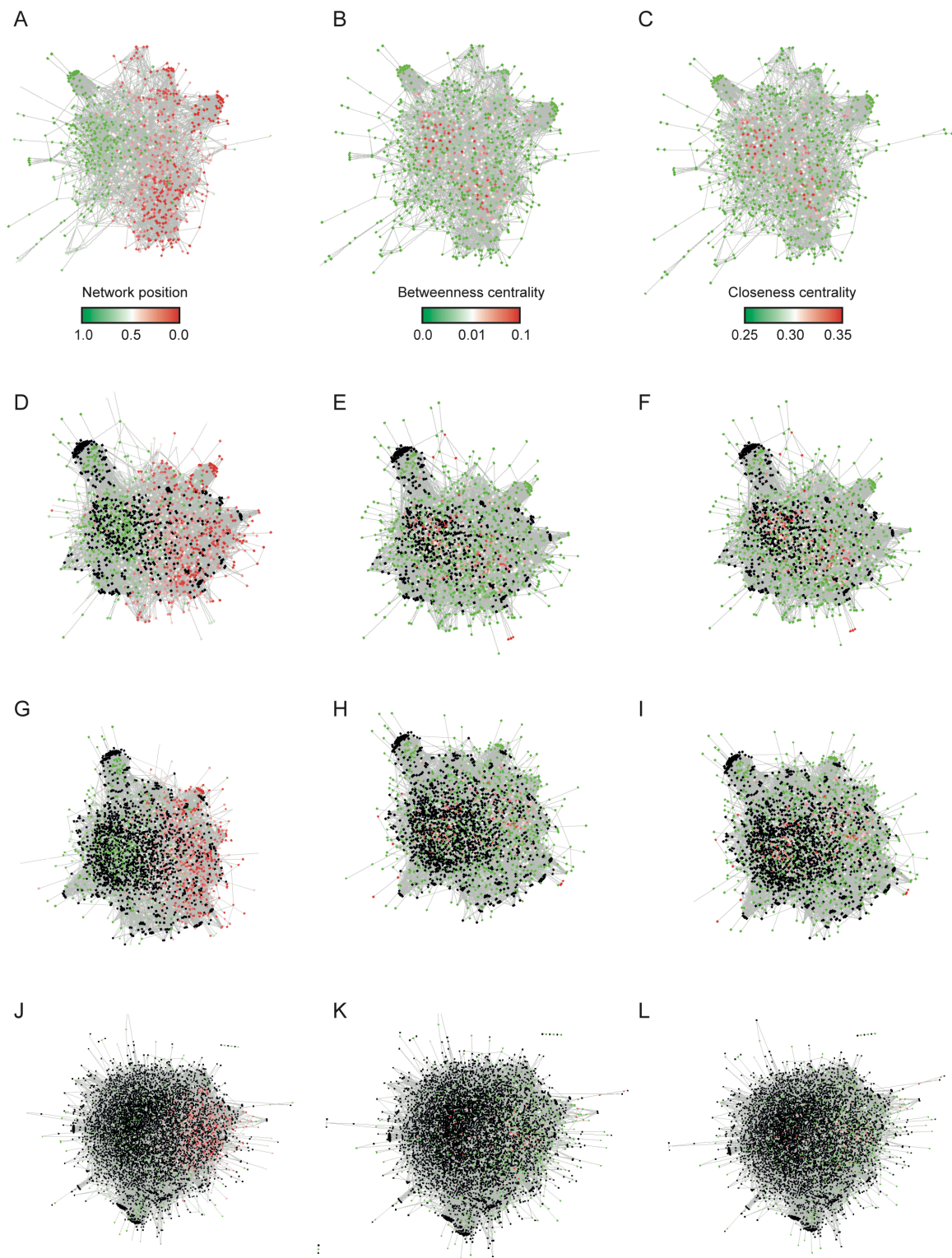


Figure. S3. MPF networks and non-mitochondrial protein partners by different centrality measures. A, B, and C. MPF networks. D, E, and F. MPF network with non-mitochondrial partners (black nodes). Non-mitochondrial proteins that have more than 10 links with mitochondrial proteins were shown. G, H, and I. Non-mitochondrial proteins that have more than 5 links with mitochondrial proteins were shown. J, K, and L. Non-mitochondrial proteins that have more than 1 links with mitochondrial proteins were shown.

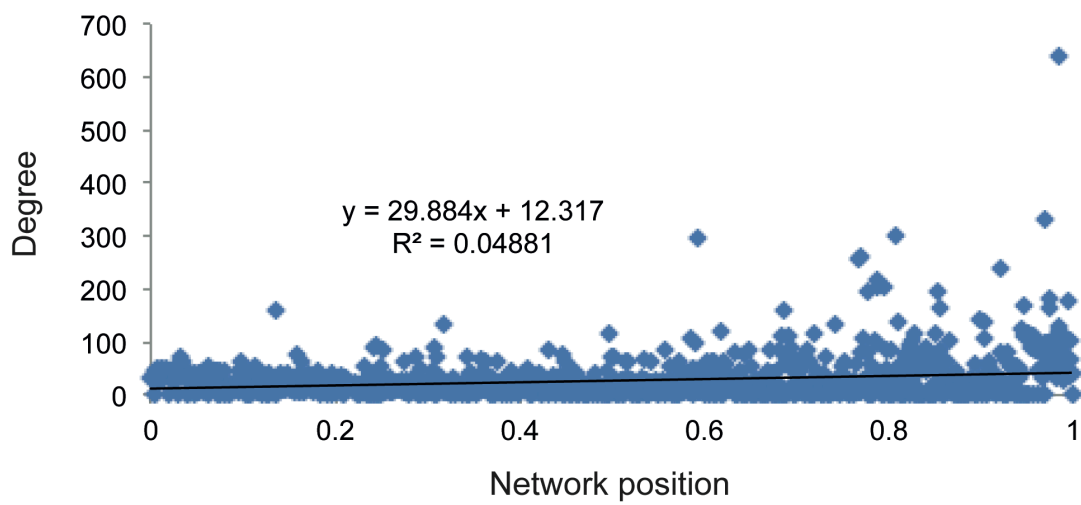


Figure. S4. Degree distribution according to network position. There is no significant correlation between degrees and network positions.

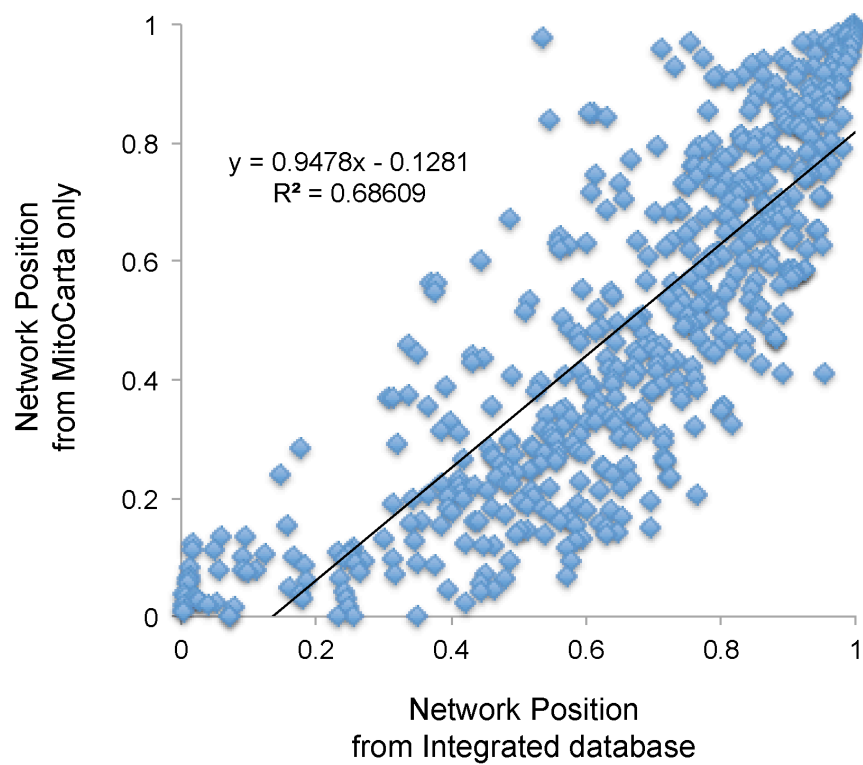


Figure. S5. Comparison of network positions obtained from Integrated database and MitoCarta.

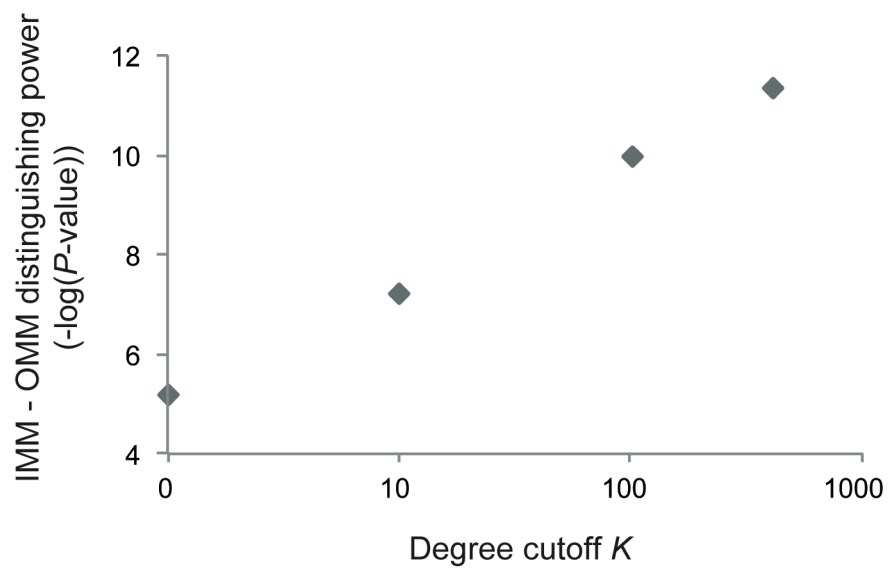


Figure. S6. Performance of distinguishing IMM-OMM proteins according to degree cutoff K . The performance was measured by Mann-Whitney test to separate IMM and OMM proteins.

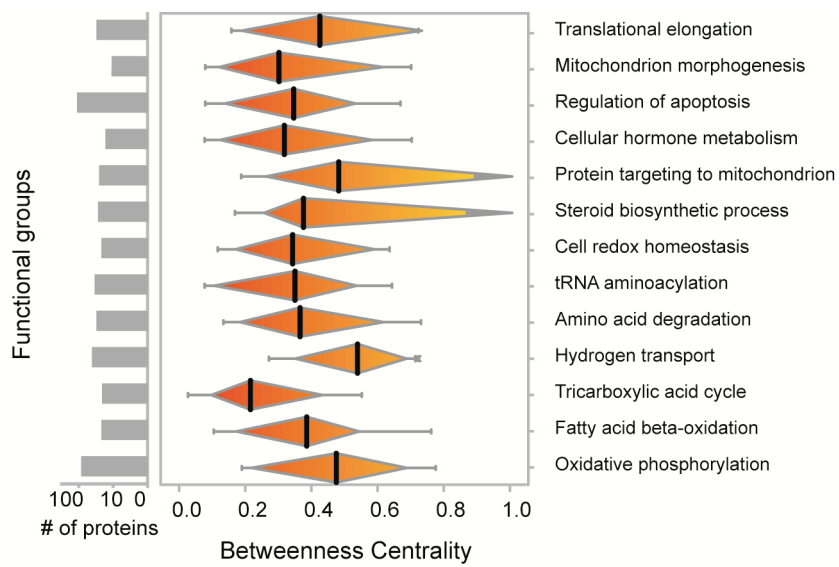


Figure. S7. Distribution of mitochondrial functional groups based on betweenness centrality.

Table S1. Network positions of mitochondrial proteins.

Swissprot_ID	Network Position	Swissprot_ID	Network Position	Swissprot_ID	Network Position
NDUA8_HUMAN	0.000	SPRE_HUMAN	0.334	AK1C3_HUMAN	0.667
NDUB5_HUMAN	0.004	ADRO_HUMAN	0.334	ATAD1_HUMAN	0.668
NDUA1_HUMAN	0.004	ETHE1_HUMAN	0.335	RM17_HUMAN	0.669
RM01_HUMAN	0.004	ACY2_HUMAN	0.336	DHRXS_HUMAN	0.670
RM22_HUMAN	0.004	PGAM2_HUMAN	0.337	KU70_HUMAN	0.670
NDUB6_HUMAN	0.004	BIN3_HUMAN	0.338	PDIA3_HUMAN	0.671
ODPAT_HUMAN	0.005	AK1A1_HUMAN	0.338	B2LA1_HUMAN	0.672
NU5M_HUMAN	0.006	SRR_HUMAN	0.339	IMPA1_HUMAN	0.673
NDUA7_HUMAN	0.006	NIT2_HUMAN	0.340	FUCT1_HUMAN	0.674
NDUAD_HUMAN	0.007	SYFM_HUMAN	0.341	PPIA_HUMAN	0.674
NDUB1_HUMAN	0.008	HMDH_HUMAN	0.342	PMS2_HUMAN	0.675
NDUC2_HUMAN	0.009	SYDC_HUMAN	0.342	TTHY_HUMAN	0.676
NDUBA_HUMAN	0.010	PYR1_HUMAN	0.343	ANM1_HUMAN	0.677
NU6M_HUMAN	0.010	SYVC_HUMAN	0.344	CALX_HUMAN	0.678
ODPB_HUMAN	0.011	ABCF2_HUMAN	0.345	CECR5_HUMAN	0.679
NU4M_HUMAN	0.012	PYRD_HUMAN	0.346	PA24B_HUMAN	0.679
NU1M_HUMAN	0.013	TRUB1_HUMAN	0.346	S2536_HUMAN	0.680
NDUB3_HUMAN	0.014	SYMC_HUMAN	0.347	TIM50_HUMAN	0.681
NDUB8_HUMAN	0.014	GLPK3_HUMAN	0.348	GHC2_HUMAN	0.682
ACS2L_HUMAN	0.015	EFTU_HUMAN	0.349	TRI31_HUMAN	0.682
THIL_HUMAN	0.016	RUSD1_HUMAN	0.350	SPTA2_HUMAN	0.683
THIM_HUMAN	0.017	NDUA9_HUMAN	0.350	RB11B_HUMAN	0.684
NU4LM_HUMAN	0.018	PRDX4_HUMAN	0.351	NPS3B_HUMAN	0.685
NU2M_HUMAN	0.018	THIOM_HUMAN	0.352	PRDX2_HUMAN	0.686
S7A13_HUMAN	0.020	PEO1_HUMAN	0.353	CASP9_HUMAN	0.686
AGT2_HUMAN	0.020	HEMK1_HUMAN	0.354	CC90B_HUMAN	0.687
COX3_HUMAN	0.021	SYNC_HUMAN	0.354	ABHDB_HUMAN	0.688
COX1_HUMAN	0.022	DBLOH_HUMAN	0.355	TCPE_HUMAN	0.689
NDUA4_HUMAN	0.025	OAT_HUMAN	0.356	SLC31_HUMAN	0.690
NDUAB_HUMAN	0.025	SYWM_HUMAN	0.357	SIRT4_HUMAN	0.690
NDUC1_HUMAN	0.025	AT2L2_HUMAN	0.358	F136A_HUMAN	0.692
NDUB2_HUMAN	0.025	MACD1_HUMAN	0.358	NDUF3_HUMAN	0.692
NDUAC_HUMAN	0.026	NFS1_HUMAN	0.359	PAG15_HUMAN	0.693
ODP2_HUMAN	0.026	SYMM_HUMAN	0.360	WBS16_HUMAN	0.694
SUCA_HUMAN	0.027	NIT1_HUMAN	0.361	NMT1_HUMAN	0.694
ODPA_HUMAN	0.028	SYDM_HUMAN	0.362	DYHC1_HUMAN	0.695
ODPX_HUMAN	0.029	IF2M_HUMAN	0.362	CASP2_HUMAN	0.696
CISY_HUMAN	0.030	TACO1_HUMAN	0.363	KPCD_HUMAN	0.697
ATP6_HUMAN	0.030	SSBP_HUMAN	0.364	HSPB9_HUMAN	0.698
DLDH_HUMAN	0.031	DCXR_HUMAN	0.365	PLS1_HUMAN	0.698
ECHB_HUMAN	0.032	SPEB_HUMAN	0.366	A2MG_HUMAN	0.699
ECHA_HUMAN	0.033	MIPEP_HUMAN	0.366	S12A4_HUMAN	0.700
DHSB_HUMAN	0.034	SYFB_HUMAN	0.367	C11B2_HUMAN	0.701
COX2_HUMAN	0.034	TGDS_HUMAN	0.368	GCH1_HUMAN	0.702
ATPB_HUMAN	0.036	MTCH1_HUMAN	0.369	DISC1_HUMAN	0.702
ATPF1_HUMAN	0.036	GSHR_HUMAN	0.370	BBC3_HUMAN	0.703
ACAD9_HUMAN	0.037	AIFM1_HUMAN	0.370	PA2GA_HUMAN	0.704
ECHM_HUMAN	0.038	PROD_HUMAN	0.371	BIK_HUMAN	0.705
ACADL_HUMAN	0.038	ABCD2_HUMAN	0.372	NUDT6_HUMAN	0.706
NDUA3_HUMAN	0.039	LOXL4_HUMAN	0.373	CP17A_HUMAN	0.706
NDUS1_HUMAN	0.040	AL1B1_HUMAN	0.374	SGTA_HUMAN	0.707
DCMC_HUMAN	0.041	SYFA_HUMAN	0.374	MTCPA_HUMAN	0.708
NDUS5_HUMAN	0.042	CTR1_HUMAN	0.375	RT29_HUMAN	0.709
MDHM_HUMAN	0.042	AFG32_HUMAN	0.376	STIP1_HUMAN	0.709
NDUS3_HUMAN	0.043	GRPE1_HUMAN	0.377	ARK72_HUMAN	0.710
LIPB_HUMAN	0.044	AT2L1_HUMAN	0.377	TCPA_HUMAN	0.711
NDUS4_HUMAN	0.045	HTRA2_HUMAN	0.378	KAPCA_HUMAN	0.712
CACP_HUMAN	0.045	CLPP_HUMAN	0.379	PYRG1_HUMAN	0.713
IPYR2_HUMAN	0.046	PUR9_HUMAN	0.380	PIN4_HUMAN	0.713
NDUB4_HUMAN	0.047	TYSY_HUMAN	0.381	MTER2_HUMAN	0.714

ACADM_HUMAN	0.048	MTHR_HUMAN	0.381	FHIT_HUMAN	0.715
LIPT_HUMAN	0.049	ARGI2_HUMAN	0.382	PICK1_HUMAN	0.716
NDUS8_HUMAN	0.049	FPPS_HUMAN	0.383	ANXA5_HUMAN	0.717
NDUB9_HUMAN	0.050	CNDP2_HUMAN	0.384	PA21B_HUMAN	0.717
FABD_HUMAN	0.052	ABCB7_HUMAN	0.385	SL9A6_HUMAN	0.718
DR4L2_HUMAN	0.052	SELB_HUMAN	0.385	B2L13_HUMAN	0.719
ALAT1_HUMAN	0.053	GLPK2_HUMAN	0.386	QORX_HUMAN	0.720
NDUV1_HUMAN	0.053	SQRD_HUMAN	0.387	MYH9_HUMAN	0.721
ACPM_HUMAN	0.054	GGOB1_HUMAN	0.388	OXA1L_HUMAN	0.721
GLYM_HUMAN	0.055	ABCD3_HUMAN	0.389	AT1A1_HUMAN	0.722
ODB2_HUMAN	0.056	HOT_HUMAN	0.389	PTSS2_HUMAN	0.723
D39U1_HUMAN	0.057	RPE_HUMAN	0.390	M3K5_HUMAN	0.724
NDUA6_HUMAN	0.057	HSC20_HUMAN	0.391	8ODP_HUMAN	0.725
MIMIT_HUMAN	0.058	CRYAB_HUMAN	0.392	TCPD_HUMAN	0.725
PDK3_HUMAN	0.059	KITM_HUMAN	0.393	P53_HUMAN	0.726
NDUB7_HUMAN	0.060	ALDR_HUMAN	0.393	TCPG_HUMAN	0.727
LDHC_HUMAN	0.061	DHSO_HUMAN	0.394	ICT1_HUMAN	0.728
LDH6A_HUMAN	0.061	PXMP2_HUMAN	0.395	CASP3_HUMAN	0.729
ACDSB_HUMAN	0.062	ENTK_HUMAN	0.396	B2L11_HUMAN	0.729
NDUV2_HUMAN	0.063	CO2_HUMAN	0.397	PEPL_HUMAN	0.730
THIC_HUMAN	0.064	HEMH_HUMAN	0.397	GTPB3_HUMAN	0.731
HMGCL_HUMAN	0.065	CISD1_HUMAN	0.398	MYH7_HUMAN	0.732
LDH6B_HUMAN	0.065	TIM13_HUMAN	0.399	CATD_HUMAN	0.733
NDUS2_HUMAN	0.066	RM11_HUMAN	0.400	HS90A_HUMAN	0.733
MCEE_HUMAN	0.067	UCP2_HUMAN	0.401	LMNA_HUMAN	0.734
DHTK1_HUMAN	0.068	CATA_HUMAN	0.401	3MG_HUMAN	0.735
HAOX2_HUMAN	0.069	GIDRP_HUMAN	0.402	PA24A_HUMAN	0.736
MAON_HUMAN	0.069	TRXR1_HUMAN	0.403	AKA10_HUMAN	0.737
ATP8_HUMAN	0.070	LONP2_HUMAN	0.404	ARK73_HUMAN	0.737
SUCB2_HUMAN	0.071	SYVM_HUMAN	0.405	PRS6A_HUMAN	0.738
ATPF2_HUMAN	0.072	PDIP2_HUMAN	0.405	FLOT1_HUMAN	0.739
ODO2_HUMAN	0.073	S40A1_HUMAN	0.406	KCY_HUMAN	0.740
SYEM_HUMAN	0.073	ASSY_HUMAN	0.407	MSH3_HUMAN	0.741
PCCB_HUMAN	0.074	PRDX6_HUMAN	0.408	CI046_HUMAN	0.741
LDHD_HUMAN	0.075	ADT1_HUMAN	0.409	MUTYH_HUMAN	0.742
AT5F1_HUMAN	0.077	PGK1_HUMAN	0.409	RAB1B_HUMAN	0.743
ATPK_HUMAN	0.077	UK114_HUMAN	0.410	SNN_HUMAN	0.744
AT5G1_HUMAN	0.077	RRF2M_HUMAN	0.411	TBRG4_HUMAN	0.745
GLYC_HUMAN	0.078	SYIM_HUMAN	0.412	KCRU_HUMAN	0.745
SUCB1_HUMAN	0.079	RT11_HUMAN	0.413	ELN_HUMAN	0.746
SCOT1_HUMAN	0.080	MOC51_HUMAN	0.413	FIBP_HUMAN	0.747
THIK_HUMAN	0.081	MPPB_HUMAN	0.414	AMRP_HUMAN	0.748
LIAS_HUMAN	0.081	HEBP2_HUMAN	0.415	FKB1A_HUMAN	0.749
CQ10B_HUMAN	0.083	FOLC_HUMAN	0.416	PARK7_HUMAN	0.749
CQ10A_HUMAN	0.083	CYB5_HUMAN	0.417	LAT1N_HUMAN	0.750
MAOM_HUMAN	0.084	CLPX_HUMAN	0.417	RM38_HUMAN	0.751
COQ3_HUMAN	0.085	TKT_HUMAN	0.418	CASP4_HUMAN	0.752
PCCA_HUMAN	0.085	NUBPL_HUMAN	0.419	RB11A_HUMAN	0.753
HMCS2_HUMAN	0.086	TPC_HUMAN	0.420	SFXN5_HUMAN	0.753
SODM_HUMAN	0.087	SYHC_HUMAN	0.421	PTPS_HUMAN	0.754
ATP5L_HUMAN	0.089	SYRC_HUMAN	0.421	DMPK_HUMAN	0.755
ATP5H_HUMAN	0.089	IMMT_HUMAN	0.422	BLMH_HUMAN	0.756
NDUS6_HUMAN	0.089	MSRB3_HUMAN	0.423	LYPA1_HUMAN	0.757
HMCS1_HUMAN	0.090	RT12_HUMAN	0.424	PK3C3_HUMAN	0.757
ECHD3_HUMAN	0.091	DGUOK_HUMAN	0.425	GMPPB_HUMAN	0.758
ATPD_HUMAN	0.092	CLN3_HUMAN	0.425	CASP8_HUMAN	0.759
CBR4_HUMAN	0.093	KYNU_HUMAN	0.426	C11B1_HUMAN	0.760
AACS_HUMAN	0.093	DCOR_HUMAN	0.427	CXA9_HUMAN	0.761
MTO1_HUMAN	0.094	AMPL_HUMAN	0.428	MCL1_HUMAN	0.761
ATP5E_HUMAN	0.095	GPX4_HUMAN	0.429	USMG5_HUMAN	0.762
NDUA2_HUMAN	0.096	NUCG_HUMAN	0.429	AICDA_HUMAN	0.763
ACSA_HUMAN	0.097	PPCE_HUMAN	0.430	XPR1_HUMAN	0.764
SPYA_HUMAN	0.097	CTR3_HUMAN	0.431	OAS2_HUMAN	0.765
ATP5J_HUMAN	0.098	GLPK_HUMAN	0.432	GELS_HUMAN	0.765

MAOX_HUMAN	0.099	HBG2_HUMAN	0.433	AKAP1_HUMAN	0.766
ATP5I_HUMAN	0.100	RM12_HUMAN	0.433	SYRM_HUMAN	0.767
CIA30_HUMAN	0.101	CMC2_HUMAN	0.434	ORN_HUMAN	0.768
SCO1_HUMAN	0.101	QRSL1_HUMAN	0.435	RBM12_HUMAN	0.769
ATPO_HUMAN	0.102	EFGM_HUMAN	0.436	CRY1_HUMAN	0.769
OGDHL_HUMAN	0.103	ACOD_HUMAN	0.437	M11D1_HUMAN	0.770
BDH_HUMAN	0.104	DHB8_HUMAN	0.437	PSA_HUMAN	0.771
LACE1_HUMAN	0.105	MUTA_HUMAN	0.438	NOX1_HUMAN	0.772
DHSD_HUMAN	0.105	PPOX_HUMAN	0.439	TRI39_HUMAN	0.773
ACOX2_HUMAN	0.107	RT411_HUMAN	0.440	AAA1_HUMAN	0.773
ACOX3_HUMAN	0.107	RM03_HUMAN	0.441	PAF_HUMAN	0.774
AL4A1_HUMAN	0.108	HSP72_HUMAN	0.441	CRY2_HUMAN	0.775
AT5G2_HUMAN	0.109	MSRB2_HUMAN	0.442	SYJ2B_HUMAN	0.776
ACD10_HUMAN	0.109	SIRT5_HUMAN	0.443	ATIF1_HUMAN	0.777
COX11_HUMAN	0.110	PANK2_HUMAN	0.444	NCOR2_HUMAN	0.777
CYB_HUMAN	0.111	TIM10_HUMAN	0.445	RT09_HUMAN	0.778
COX10_HUMAN	0.112	RM04_HUMAN	0.445	RAB17_HUMAN	0.779
MCCB_HUMAN	0.113	SC11C_HUMAN	0.446	SIRT3_HUMAN	0.780
ACSF2_HUMAN	0.113	PPA6_HUMAN	0.447	PKD2_HUMAN	0.781
ODBB_HUMAN	0.114	TM147_HUMAN	0.448	I433E_HUMAN	0.781
MCCA_HUMAN	0.115	ADHX_HUMAN	0.449	MLH1_HUMAN	0.782
COX15_HUMAN	0.116	AAPK2_HUMAN	0.449	TMEDA_HUMAN	0.783
CX6B1_HUMAN	0.117	KAD1_HUMAN	0.450	VIME_HUMAN	0.784
COX42_HUMAN	0.119	TIM9_HUMAN	0.451	FUND2_HUMAN	0.785
CYC_HUMAN	0.119	MAT2B_HUMAN	0.452	CLH1_HUMAN	0.785
CX6A2_HUMAN	0.119	CX7B2_HUMAN	0.453	GCR_HUMAN	0.786
LDHB_HUMAN	0.120	NQO1_HUMAN	0.453	JAM1_HUMAN	0.787
AUHM_HUMAN	0.121	ALDH2_HUMAN	0.454	RASK_HUMAN	0.788
HIBCH_HUMAN	0.121	ALDOA_HUMAN	0.455	F262_HUMAN	0.789
DHE4_HUMAN	0.122	ABCD1_HUMAN	0.456	TAZ_HUMAN	0.789
ECHD2_HUMAN	0.123	AMP1D_HUMAN	0.457	BRCA1_HUMAN	0.790
CX6A1_HUMAN	0.124	PERT_HUMAN	0.457	NCOA7_HUMAN	0.791
DHSA_HUMAN	0.125	NFU1_HUMAN	0.458	DNM1L_HUMAN	0.792
IVD_HUMAN	0.125	ACACB_HUMAN	0.459	CLIC4_HUMAN	0.792
COX7C_HUMAN	0.126	PNKD_HUMAN	0.460	PPLA_HUMAN	0.793
ACADS_HUMAN	0.127	ATP7B_HUMAN	0.460	NAC2_HUMAN	0.794
DHE3_HUMAN	0.128	AIBP_HUMAN	0.461	STAT3_HUMAN	0.795
ACSM1_HUMAN	0.128	TIM22_HUMAN	0.462	RAB32_HUMAN	0.796
SARDH_HUMAN	0.129	NUBP2_HUMAN	0.463	BDNF_HUMAN	0.796
FUMH_HUMAN	0.130	CH10_HUMAN	0.464	ESR2_HUMAN	0.797
SCO2_HUMAN	0.131	LONM_HUMAN	0.464	CMGA_HUMAN	0.798
ODO1_HUMAN	0.132	MOSC2_HUMAN	0.465	DRG2_HUMAN	0.799
HCD2_HUMAN	0.132	RNZZ_HUMAN	0.466	SEPT4_HUMAN	0.800
GATM_HUMAN	0.133	TXTP_HUMAN	0.467	STAR3_HUMAN	0.800
QCR6_HUMAN	0.134	PRDX3_HUMAN	0.468	KBP_HUMAN	0.801
COX5B_HUMAN	0.135	IRK11_HUMAN	0.468	CD59_HUMAN	0.802
ALAT2_HUMAN	0.136	CMC1_HUMAN	0.469	DPYL2_HUMAN	0.803
COX7R_HUMAN	0.136	KGUA_HUMAN	0.470	CP24A_HUMAN	0.804
ECHP_HUMAN	0.137	PERP_HUMAN	0.471	GNA12_HUMAN	0.804
COX41_HUMAN	0.138	TRY3_HUMAN	0.472	ZNT9_HUMAN	0.805
OXSM_HUMAN	0.139	NMNA3_HUMAN	0.472	AKIP_HUMAN	0.806
PDP2_HUMAN	0.140	G6PI_HUMAN	0.473	BIG2_HUMAN	0.807
MMSA_HUMAN	0.140	ORNT1_HUMAN	0.474	SAM50_HUMAN	0.808
SCOT2_HUMAN	0.141	ACBP_HUMAN	0.475	PP1G_HUMAN	0.808
PYC_HUMAN	0.142	SODC_HUMAN	0.476	TBA1B_HUMAN	0.809
GLSK_HUMAN	0.143	DNJA2_HUMAN	0.476	DCTN6_HUMAN	0.810
COX8C_HUMAN	0.144	RM09_HUMAN	0.477	RT18B_HUMAN	0.811
THTM_HUMAN	0.144	GUA_A_HUMAN	0.478	FHL2_HUMAN	0.812
ACLY_HUMAN	0.145	ACSL4_HUMAN	0.479	NDK3_HUMAN	0.812
BCKD_HUMAN	0.146	TOM34_HUMAN	0.480	DESM_HUMAN	0.813
ACACA_HUMAN	0.147	TIM23_HUMAN	0.480	NDUV3_HUMAN	0.814
ODBA_HUMAN	0.148	GPSM1_HUMAN	0.481	BNC1_HUMAN	0.815
ETFB_HUMAN	0.148	HBD_HUMAN	0.482	RMD3_HUMAN	0.816
ATPA_HUMAN	0.149	SYNM_HUMAN	0.483	CP27B_HUMAN	0.816

SURF1_HUMAN	0.150	CK5P1_HUMAN	0.484	KPCA_HUMAN	0.817
GCDH_HUMAN	0.151	NNTM_HUMAN	0.484	RM10_HUMAN	0.818
THNS2_HUMAN	0.152	DNJA1_HUMAN	0.485	RAD50_HUMAN	0.819
CPT2_HUMAN	0.152	TOM20_HUMAN	0.486	PPGB_HUMAN	0.820
COX8A_HUMAN	0.153	ABCD4_HUMAN	0.487	NUDT8_HUMAN	0.820
DHB4_HUMAN	0.154	PRDX5_HUMAN	0.488	RT26_HUMAN	0.821
MECR_HUMAN	0.155	PNPT1_HUMAN	0.488	RASH_HUMAN	0.822
CX7A1_HUMAN	0.156	GCP60_HUMAN	0.489	SAP_HUMAN	0.823
ACOX1_HUMAN	0.156	PERM_HUMAN	0.490	ALR_HUMAN	0.824
LDHA_HUMAN	0.157	KAP3_HUMAN	0.491	RFA2_HUMAN	0.824
COX6C_HUMAN	0.158	CYBR1_HUMAN	0.492	NDK6_HUMAN	0.825
DHRS1_HUMAN	0.159	FRIH_HUMAN	0.492	K2C8_HUMAN	0.826
NDUS7_HUMAN	0.160	CG030_HUMAN	0.493	PP2AA_HUMAN	0.827
PCKGC_HUMAN	0.160	TKTL2_HUMAN	0.494	THEM4_HUMAN	0.828
NDUA5_HUMAN	0.161	G3P_HUMAN	0.495	MTCPB_HUMAN	0.828
QCR2_HUMAN	0.162	OLA1_HUMAN	0.496	DDX18_HUMAN	0.829
MTDC_HUMAN	0.163	MPPA_HUMAN	0.496	ES1_HUMAN	0.830
SYK_HUMAN	0.164	DAPAL_HUMAN	0.497	DEPP_HUMAN	0.831
HEM0_HUMAN	0.164	BCDO2_HUMAN	0.498	FRAP_HUMAN	0.832
VA0D2_HUMAN	0.165	ALDOC_HUMAN	0.499	RT18A_HUMAN	0.832
QCR10_HUMAN	0.166	DPOLQ_HUMAN	0.500	RAB8B_HUMAN	0.833
VATG3_HUMAN	0.167	ATTY_HUMAN	0.500	APEX2_HUMAN	0.834
PEC1_HUMAN	0.168	CP4AM_HUMAN	0.501	K1C18_HUMAN	0.835
ACOT9_HUMAN	0.169	SELO_HUMAN	0.502	DYN1_HUMAN	0.836
ACO11_HUMAN	0.169	MSRA_HUMAN	0.503	NEUL_HUMAN	0.836
C1TM_HUMAN	0.170	HXK4_HUMAN	0.504	TBB5_HUMAN	0.837
IDH3G_HUMAN	0.171	GPX1_HUMAN	0.504	MCSP_HUMAN	0.838
MDHC_HUMAN	0.172	TRM1_HUMAN	0.506	CDKAL_HUMAN	0.839
ACN9_HUMAN	0.172	CT072_HUMAN	0.506	CEBPZ_HUMAN	0.840
ACON_HUMAN	0.173	KAD4_HUMAN	0.507	NDKA_HUMAN	0.840
IPYR_HUMAN	0.174	S2538_HUMAN	0.508	PEBP1_HUMAN	0.841
GATB_HUMAN	0.175	TI17B_HUMAN	0.508	RN5A_HUMAN	0.842
COX5A_HUMAN	0.176	DHB2_HUMAN	0.509	TNF11_HUMAN	0.843
IDHP_HUMAN	0.176	ABCBA_HUMAN	0.510	S12A1_HUMAN	0.844
FAAH2_HUMAN	0.177	MYPC3_HUMAN	0.511	MTX2_HUMAN	0.844
KBL_HUMAN	0.178	UNG_HUMAN	0.512	AT2A2_HUMAN	0.845
VATO_HUMAN	0.179	SYHM_HUMAN	0.512	MERL_HUMAN	0.846
TIM8B_HUMAN	0.180	PUR8_HUMAN	0.513	DECR_HUMAN	0.847
BCS1_HUMAN	0.180	RAB35_HUMAN	0.514	DHX29_HUMAN	0.848
SCLY_HUMAN	0.181	CHDH_HUMAN	0.515	LAMA4_HUMAN	0.848
VATE2_HUMAN	0.182	NUDT9_HUMAN	0.516	BCCIP_HUMAN	0.849
VATA_HUMAN	0.183	ACADV_HUMAN	0.516	LAT1_HUMAN	0.850
HAOX1_HUMAN	0.184	TOM40_HUMAN	0.517	TMM70_HUMAN	0.851
P5CS_HUMAN	0.184	ABCB6_HUMAN	0.518	SFXN2_HUMAN	0.852
PDP1_HUMAN	0.185	VDAC2_HUMAN	0.519	NR4A1_HUMAN	0.852
CLYBL_HUMAN	0.186	TSPOA_HUMAN	0.520	MTX1_HUMAN	0.853
L2HDH_HUMAN	0.187	TOM7_HUMAN	0.520	B2CL2_HUMAN	0.854
VATB2_HUMAN	0.188	PTH_HUMAN	0.521	STML3_HUMAN	0.855
TFAM_HUMAN	0.188	COMT_HUMAN	0.522	PSN1_HUMAN	0.856
COX7B_HUMAN	0.189	KCR5_HUMAN	0.523	ATR_HUMAN	0.856
FTHFD_HUMAN	0.190	NUD18_HUMAN	0.524	RAF1_HUMAN	0.857
VATC1_HUMAN	0.191	ABCC9_HUMAN	0.524	LETM1_HUMAN	0.858
CPT1A_HUMAN	0.192	NRF1_HUMAN	0.525	GNDS_HUMAN	0.859
DHRS2_HUMAN	0.192	INMT_HUMAN	0.526	MK12_HUMAN	0.860
GLO2_HUMAN	0.193	TIM44_HUMAN	0.527	CASQ1_HUMAN	0.860
CPT1B_HUMAN	0.194	TPH2_HUMAN	0.528	BASI_HUMAN	0.861
SPTC2_HUMAN	0.195	TOP2B_HUMAN	0.528	EZRI_HUMAN	0.862
VATG1_HUMAN	0.196	UXS1_HUMAN	0.529	SCMC1_HUMAN	0.863
QCR7_HUMAN	0.196	EF1A2_HUMAN	0.530	BOK_HUMAN	0.864
MRP9_HUMAN	0.198	DPYD_HUMAN	0.531	NOL3_HUMAN	0.864
RT07_HUMAN	0.198	MAAI_HUMAN	0.532	ITB1_HUMAN	0.865
RUSD4_HUMAN	0.199	TOM22_HUMAN	0.532	PDC6I_HUMAN	0.866
GRP75_HUMAN	0.200	HSPB6_HUMAN	0.533	MK09_HUMAN	0.867
C1TC_HUMAN	0.200	RIMB1_HUMAN	0.534	IKBA_HUMAN	0.868

CPT1C_HUMAN	0.201	TXND3_HUMAN	0.535	NFKB1_HUMAN	0.868
GLRX5_HUMAN	0.202	GLRX1_HUMAN	0.536	ABL1_HUMAN	0.869
QCRI_HUMAN	0.203	TAPI_HUMAN	0.536	EXO_G_HUMAN	0.870
3HIDH_HUMAN	0.204	FABP4_HUMAN	0.537	PTN21_HUMAN	0.871
MRM1_HUMAN	0.204	NDKB_HUMAN	0.538	BR44L_HUMAN	0.872
PDK4_HUMAN	0.205	TI17A_HUMAN	0.539	RM19_HUMAN	0.872
COQ2_HUMAN	0.206	CP27A_HUMAN	0.540	WDR3_HUMAN	0.873
SYSM_HUMAN	0.207	RIFK_HUMAN	0.540	NIPS1_HUMAN	0.874
VATH_HUMAN	0.208	VDAC1_HUMAN	0.541	VAMP1_HUMAN	0.875
ACOC_HUMAN	0.208	KAT1_HUMAN	0.542	3BP5_HUMAN	0.875
VATF_HUMAN	0.209	TRXR3_HUMAN	0.543	PYRG2_HUMAN	0.876
D3D2_HUMAN	0.210	ADPPT_HUMAN	0.543	HCLS1_HUMAN	0.877
BCAT2_HUMAN	0.211	THIO_HUMAN	0.544	OAS1_HUMAN	0.878
NAGS_HUMAN	0.211	DIMT1_HUMAN	0.545	UACA_HUMAN	0.879
QCR8_HUMAN	0.212	APOA1_HUMAN	0.546	TERT_HUMAN	0.879
COQ4_HUMAN	0.213	DCHS_HUMAN	0.547	MSTO1_HUMAN	0.880
M2GD_HUMAN	0.214	CLPB_HUMAN	0.547	CASQ2_HUMAN	0.881
MPCP_HUMAN	0.215	RFIP5_HUMAN	0.548	AIFM2_HUMAN	0.882
S27A3_HUMAN	0.215	GSTO1_HUMAN	0.549	PI4KB_HUMAN	0.883
VA0D1_HUMAN	0.216	RT27_HUMAN	0.550	FDXA1_HUMAN	0.883
VATD_HUMAN	0.217	CNNM4_HUMAN	0.551	NDK8_HUMAN	0.884
S27A2_HUMAN	0.218	DUT_HUMAN	0.551	LTMD1_HUMAN	0.885
UCRIL_HUMAN	0.219	MOCOS_HUMAN	0.552	WASF1_HUMAN	0.886
AT5G3_HUMAN	0.219	KCRB_HUMAN	0.553	GRB10_HUMAN	0.887
ACAD8_HUMAN	0.220	PGES2_HUMAN	0.554	SAP3_HUMAN	0.887
FAS_HUMAN	0.221	PM34_HUMAN	0.555	SDSL_HUMAN	0.888
VATL_HUMAN	0.222	5NT3_HUMAN	0.555	PAK7_HUMAN	0.889
MTU1_HUMAN	0.223	GLYAT_HUMAN	0.556	NEP1_HUMAN	0.890
ACSL5_HUMAN	0.223	NT5C_HUMAN	0.557	EFHA1_HUMAN	0.891
BCAT1_HUMAN	0.224	GTR4_HUMAN	0.558	MTFR1_HUMAN	0.891
IDH3B_HUMAN	0.225	NPS3A_HUMAN	0.559	S2546_HUMAN	0.892
SYSC_HUMAN	0.226	DYH11_HUMAN	0.559	TUSC2_HUMAN	0.893
PDK2_HUMAN	0.227	UBP30_HUMAN	0.560	MFTC_HUMAN	0.894
CY1_HUMAN	0.227	HSDL2_HUMAN	0.561	RPGF3_HUMAN	0.895
ACSL3_HUMAN	0.228	NUD12_HUMAN	0.562	IQCE_HUMAN	0.895
COQ5_HUMAN	0.229	TCPB_HUMAN	0.563	SYNJ2_HUMAN	0.896
IDHC_HUMAN	0.230	UDB17_HUMAN	0.563	ACTA_HUMAN	0.897
FMT_HUMAN	0.231	K6PF_HUMAN	0.564	WVOX_HUMAN	0.898
ADCK5_HUMAN	0.231	TOM70_HUMAN	0.565	UBQL1_HUMAN	0.899
SYLM_HUMAN	0.232	HAP1_HUMAN	0.566	PGPS1_HUMAN	0.899
SYAC_HUMAN	0.233	RM44_HUMAN	0.567	KPCD1_HUMAN	0.900
ODC_HUMAN	0.234	PLCC_HUMAN	0.567	RPC8_HUMAN	0.901
NB5R1_HUMAN	0.235	PEMT_HUMAN	0.568	CHCH3_HUMAN	0.902
GTPB5_HUMAN	0.235	PLCA_HUMAN	0.569	HIG1A_HUMAN	0.903
VATB1_HUMAN	0.236	DNJA3_HUMAN	0.570	AP4A_HUMAN	0.903
IDH3A_HUMAN	0.237	RM41_HUMAN	0.571	FASTK_HUMAN	0.904
CH60_HUMAN	0.238	PLCB_HUMAN	0.571	GDIB_HUMAN	0.905
ACSL1_HUMAN	0.239	HS90B_HUMAN	0.572	AOFB_HUMAN	0.906
AATM_HUMAN	0.239	PDIA1_HUMAN	0.573	HAX1_HUMAN	0.907
HEM1_HUMAN	0.240	PX11B_HUMAN	0.574	3BHS1_HUMAN	0.907
C560_HUMAN	0.241	GSTA4_HUMAN	0.575	STA13_HUMAN	0.908
ACYP2_HUMAN	0.242	RIR1_HUMAN	0.575	CRLS1_HUMAN	0.909
MCAT_HUMAN	0.243	GIMA5_HUMAN	0.576	MAVS_HUMAN	0.910
LPPRC_HUMAN	0.243	I433Z_HUMAN	0.577	KAT3_HUMAN	0.911
SYG_HUMAN	0.244	AL1A2_HUMAN	0.578	IRAK1_HUMAN	0.911
FAHD1_HUMAN	0.245	HSPB1_HUMAN	0.579	SFXN1_HUMAN	0.912
GLNA_HUMAN	0.246	DHPR_HUMAN	0.579	RM39_HUMAN	0.913
PDK1_HUMAN	0.247	HXK3_HUMAN	0.580	FNBP2_HUMAN	0.914
GPDA_HUMAN	0.247	ADT3_HUMAN	0.581	MUL1_HUMAN	0.915
UCRI_HUMAN	0.248	GOLI_HUMAN	0.582	FIS1_HUMAN	0.915
ERAL_HUMAN	0.249	KAD2_HUMAN	0.583	RHG01_HUMAN	0.916
ADCK3_HUMAN	0.250	PTH2_HUMAN	0.583	SIVA_HUMAN	0.917
TMLH_HUMAN	0.251	PLCE_HUMAN	0.584	PTOR1_HUMAN	0.918
SDHL_HUMAN	0.251	CP11A_HUMAN	0.585	IMP3_HUMAN	0.919

AATC_HUMAN	0.252	AR2BP_HUMAN	0.586	IFIT3_HUMAN	0.919
GABT_HUMAN	0.253	CP1A1_HUMAN	0.587	GDIR2_HUMAN	0.920
COX17_HUMAN	0.254	PRDX1_HUMAN	0.587	NLRX1_HUMAN	0.921
SSDH_HUMAN	0.255	PIIF_HUMAN	0.588	RL8_HUMAN	0.922
GPDM_HUMAN	0.255	CTR2_HUMAN	0.589	ASML_HUMAN	0.923
MTHFS_HUMAN	0.256	CD014_HUMAN	0.590	MFN2_HUMAN	0.923
MMAA_HUMAN	0.257	ALBU_HUMAN	0.591	TRIO_HUMAN	0.924
BPL1_HUMAN	0.258	GRP78_HUMAN	0.591	ARAP2_HUMAN	0.925
SYPM_HUMAN	0.259	PTGES_HUMAN	0.592	CF203_HUMAN	0.926
GRHPR_HUMAN	0.259	GRIK2_HUMAN	0.593	PREP_HUMAN	0.927
GCST_HUMAN	0.260	SIAS_HUMAN	0.594	MIRO2_HUMAN	0.927
SYCM_HUMAN	0.261	ARAF_HUMAN	0.595	BNIP3_HUMAN	0.928
PGK2_HUMAN	0.262	PANK1_HUMAN	0.595	MIRO1_HUMAN	0.929
DPOG1_HUMAN	0.263	HSP7C_HUMAN	0.596	BLK_HUMAN	0.930
MPV17_HUMAN	0.263	ACO13_HUMAN	0.597	3BHS2_HUMAN	0.931
VPP1_HUMAN	0.264	UBE3A_HUMAN	0.598	MARH5_HUMAN	0.931
ATPG_HUMAN	0.265	BAK_HUMAN	0.599	CDGAP_HUMAN	0.932
RF1ML_HUMAN	0.266	GLRX3_HUMAN	0.599	UBIQ_HUMAN	0.933
RRFM_HUMAN	0.267	MGST3_HUMAN	0.600	RHG08_HUMAN	0.934
GPAT1_HUMAN	0.267	CY24B_HUMAN	0.601	GHITM_HUMAN	0.935
SYWC_HUMAN	0.268	RT23_HUMAN	0.602	MFF_HUMAN	0.935
SYEP_HUMAN	0.269	TRAP1_HUMAN	0.603	HNRPK_HUMAN	0.936
AMACR_HUMAN	0.270	SPTB2_HUMAN	0.603	HINFP_HUMAN	0.937
ACOT8_HUMAN	0.271	MOT1_HUMAN	0.604	NMES1_HUMAN	0.938
DHB12_HUMAN	0.271	TRNT1_HUMAN	0.605	DJC11_HUMAN	0.939
DHRS4_HUMAN	0.272	TRXR2_HUMAN	0.606	B2L10_HUMAN	0.939
GCSH_HUMAN	0.273	PEX5R_HUMAN	0.607	SYAM_HUMAN	0.941
RDH13_HUMAN	0.274	PSTK_HUMAN	0.607	K0564_HUMAN	0.941
PECR_HUMAN	0.275	FTMT_HUMAN	0.608	BAX_HUMAN	0.942
PUR2_HUMAN	0.275	GTR1_HUMAN	0.609	MRS2_HUMAN	0.943
COQ6_HUMAN	0.276	DHI1_HUMAN	0.610	RM36_HUMAN	0.943
AL7A1_HUMAN	0.277	GDC_HUMAN	0.611	NCBP1_HUMAN	0.944
AL3A2_HUMAN	0.278	GMPPA_HUMAN	0.611	BAD_HUMAN	0.945
VATE1_HUMAN	0.279	LYSC_HUMAN	0.612	DDX23_HUMAN	0.946
SYYM_HUMAN	0.279	NEIL2_HUMAN	0.613	ABCE1_HUMAN	0.947
RM13_HUMAN	0.280	SEBP2_HUMAN	0.614	TMM11_HUMAN	0.947
TPIS_HUMAN	0.281	RRMJ2_HUMAN	0.615	PRP6_HUMAN	0.948
AADAT_HUMAN	0.282	ABCB8_HUMAN	0.615	RS14_HUMAN	0.949
SYTM_HUMAN	0.283	THG1_HUMAN	0.616	PCKGM_HUMAN	0.950
THTR_HUMAN	0.283	CDS2_HUMAN	0.617	BMF_HUMAN	0.951
ETFD_HUMAN	0.284	CDS1_HUMAN	0.618	ZADH2_HUMAN	0.951
TYPH_HUMAN	0.285	HSPB8_HUMAN	0.619	RS3A_HUMAN	0.952
FRDA_HUMAN	0.286	PPID_HUMAN	0.619	TOM6_HUMAN	0.953
AL9A1_HUMAN	0.287	RTN4_HUMAN	0.620	RL5_HUMAN	0.954
GTPBA_HUMAN	0.287	RT36_HUMAN	0.621	SPNS1_HUMAN	0.955
RF1M_HUMAN	0.288	GRPE2_HUMAN	0.622	RS13_HUMAN	0.955
ECH1_HUMAN	0.289	LX15B_HUMAN	0.623	K0664_HUMAN	0.956
RPOM_HUMAN	0.290	TCPH_HUMAN	0.623	TM14C_HUMAN	0.957
AL3A1_HUMAN	0.291	STOM_HUMAN	0.624	RL11_HUMAN	0.958
PHLP1_HUMAN	0.291	PINK1_HUMAN	0.625	ERF1_HUMAN	0.959
GLCTK_HUMAN	0.292	APR_HUMAN	0.626	RS15A_HUMAN	0.959
DPS1_HUMAN	0.293	IRK8_HUMAN	0.626	RSSA_HUMAN	0.960
GUF1_HUMAN	0.294	DHB1_HUMAN	0.627	RL3_HUMAN	0.961
MMAB_HUMAN	0.294	CATB_HUMAN	0.628	RS16_HUMAN	0.962
SYTC_HUMAN	0.295	NF1_HUMAN	0.629	RS2_HUMAN	0.962
M2OM_HUMAN	0.296	A1AT_HUMAN	0.630	RS20_HUMAN	0.963
PGM2_HUMAN	0.297	HIRA_HUMAN	0.630	RS15_HUMAN	0.964
CT007_HUMAN	0.298	RM42_HUMAN	0.631	RS18_HUMAN	0.965
AL1A3_HUMAN	0.298	DDAH1_HUMAN	0.632	RL23_HUMAN	0.966
COQ7_HUMAN	0.299	RNH1_HUMAN	0.633	BNI3L_HUMAN	0.966
KMO_HUMAN	0.300	GHC1_HUMAN	0.634	RS23_HUMAN	0.967
NLTP_HUMAN	0.301	VDAC3_HUMAN	0.634	RS5_HUMAN	0.968
ATOX1_HUMAN	0.302	TERA_HUMAN	0.635	RS24_HUMAN	0.969
OTC_HUMAN	0.302	S22A4_HUMAN	0.636	RL9_HUMAN	0.970

CPSM_HUMAN	0.303	VHL_HUMAN	0.637	RL27A_HUMAN	0.970
ORNT2_HUMAN	0.304	HBA_HUMAN	0.638	MRRP3_HUMAN	0.971
GLSL_HUMAN	0.305	IDE_HUMAN	0.638	IF2P_HUMAN	0.972
UCP1_HUMAN	0.306	TCPZ_HUMAN	0.639	RL35A_HUMAN	0.973
DCE1_HUMAN	0.306	FXRD1_HUMAN	0.640	RL12_HUMAN	0.974
VPP2_HUMAN	0.307	EF1G_HUMAN	0.641	RL10A_HUMAN	0.974
KPYM_HUMAN	0.308	NUA4L_HUMAN	0.642	RT10_HUMAN	0.975
NB5R3_HUMAN	0.309	CP2CJ_HUMAN	0.642	RL34_HUMAN	0.976
PHB_HUMAN	0.310	ECSIT_HUMAN	0.643	BR44_HUMAN	0.977
SYIC_HUMAN	0.310	KCRM_HUMAN	0.644	RM49_HUMAN	0.978
MTRR_HUMAN	0.311	TPP1_HUMAN	0.645	RT24_HUMAN	0.978
UCP3_HUMAN	0.312	APEX1_HUMAN	0.646	RM27_HUMAN	0.979
RT02_HUMAN	0.313	ASXL2_HUMAN	0.646	FKBP8_HUMAN	0.980
ISCU_HUMAN	0.314	THOP1_HUMAN	0.647	KITH_HUMAN	0.981
BAAT_HUMAN	0.314	NUDT5_HUMAN	0.648	MFN1_HUMAN	0.982
PROSC_HUMAN	0.315	ANXA2_HUMAN	0.649	B2L14_HUMAN	0.982
AL3B1_HUMAN	0.316	NIF3L_HUMAN	0.650	CU057_HUMAN	0.983
XPP3_HUMAN	0.317	OGG1_HUMAN	0.650	AOFA_HUMAN	0.984
TFB2M_HUMAN	0.318	HELC1_HUMAN	0.651	KAD3_HUMAN	0.985
TFB1M_HUMAN	0.318	RT22_HUMAN	0.652	ETFA_HUMAN	0.986
HACL1_HUMAN	0.319	RIR2_HUMAN	0.653	SEC20_HUMAN	0.986
VPP3_HUMAN	0.320	BID_HUMAN	0.654	HXK1_HUMAN	0.987
SYLC_HUMAN	0.321	HSP71_HUMAN	0.654	STAR_HUMAN	0.988
HEM6_HUMAN	0.322	BACH_HUMAN	0.655	B2CL1_HUMAN	0.989
CX4NB_HUMAN	0.322	RM40_HUMAN	0.656	GSTK1_HUMAN	0.990
TIM8A_HUMAN	0.323	CBAA1_HUMAN	0.657	MGST1_HUMAN	0.990
ADAS_HUMAN	0.324	MLXIP_HUMAN	0.658	ADT2_HUMAN	0.991
SUOX_HUMAN	0.325	NTHL1_HUMAN	0.658	ARMC4_HUMAN	0.992
DPOG2_HUMAN	0.326	SMC7L_HUMAN	0.659	KIF1B_HUMAN	0.993
CCHL_HUMAN	0.326	PTCD3_HUMAN	0.660	BCL2_HUMAN	0.994
HEM4_HUMAN	0.327	YMEL1_HUMAN	0.661	TPIP1_HUMAN	0.994
CCS_HUMAN	0.328	PGAM5_HUMAN	0.662	HXK2_HUMAN	0.995
AASS_HUMAN	0.329	BIG1_HUMAN	0.662	NDKM_HUMAN	0.996
SPTC3_HUMAN	0.330	PRLD1_HUMAN	0.663	C1QBP_HUMAN	0.997
ISCA1_HUMAN	0.330	DJC30_HUMAN	0.664	SPG7_HUMAN	0.998
RSAD1_HUMAN	0.331	HDHD3_HUMAN	0.666	SHC1_HUMAN	0.998
ADX_HUMAN	0.332	NB5R2_HUMAN	0.666	PAPD1_HUMAN	1.000
BODG_HUMAN	0.333	PHIPL_HUMAN	0.666	IMP2L_HUMAN	1.000

Table S2. Balanced Accuracy, Specificity, and Sensitivity of database overlap

Database	Balanced Accuracy	Specificity	Sensitivity	Count
MoreThan_2	0.949	0.97	0.93	1217
MoreThan_3	0.947	0.99	0.91	929
MoreThan_4	0.939	0.99	0.89	775
MoreThan_1	0.928	0.91	0.94	2374
MoreThan_5	0.916	0.99	0.84	651
MoreThan_6	0.890	1.00	0.78	541
MoreThan_7	0.852	1.00	0.71	454
MoreThan_8	0.761	1.00	0.52	314
MoreThan_9	0.599	1.00	0.20	117

Database	Balanced Accuracy	Specificity	Sensitivity	Count
MoreThan_2	0.949	0.97	0.93	1217
MitoP2svm	0.926	0.97	0.88	1295
ConLoc	0.921	0.99	0.85	861
Maestro	0.918	0.98	0.85	948
MitoCarta	0.915	0.98	0.85	980
MitoRes	0.905	1.00	0.81	593
HMPDb	0.858	1.00	0.72	502
LOCATE	0.835	0.99	0.69	707
MitoProteome	0.825	0.98	0.67	679
Yeast	0.676	0.97	0.38	807

Table S3. Pair-wise comparisons of mitochondrial protein databases with overlap counts.

	LOCATE	ConLoc	Yeast	MitoP2svm	MitoCarta	MitoRes	MitoProteome	Maestro	HMPDb	Protiens counted more than twice
LOCATE	707	0.57	0.30	0.58	0.61	0.65	0.50	0.60	0.60	0.84
ConLoc	443	861	0.39	0.66	0.67	0.73	0.56	0.69	0.71	0.87
Yeast	227	321	807	0.38	0.39	0.34	0.28	0.38	0.34	0.53
MitoP2svm	527	678	373	1295	0.67	0.68	0.55	0.80	0.66	0.80
MitoCarta	501	617	341	750	980	0.69	0.56	0.73	0.66	0.88
MitoRes	422	515	233	552	507	593	0.62	0.71	0.85	0.98
MitoProteome	344	422	210	492	449	390	679	0.58	0.68	0.79
Maestro	483	620	333	877	703	520	456	948	0.72	0.98
HMPDb	355	449	209	481	437	463	392	475	502	1.00
Overlap Count	596	747	429	1041	859	579	538	926	500	

Table S4. Sources of mitochondrial proteins, integration information, and annotated localizations

Swissprot ID	ConLoc	HMPDb	LOCATE	Maestro	MitoCarta	MitoP2svm	MitoProteome	MitoRes	Yeast MT	Components Types	Localization (swissprot 57.12)
AATM_HUMAN	1	1	1	1	1	1	1	1	1	Primary	
ABCBA_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
ACON_HUMAN	1	1	1	1	1	1	1	1	1	Primary	
ACPM_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
ADT4_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
AFG32_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
AL1B1_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
AL4A1_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
ALDH2_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
AT5F1_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
AT5G3_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
ATIF1_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
ATPA_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
ATPB_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
ATPD_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
ATPG_HUMAN	1	1	1	1	1	1	1	1	1	Primary	
ATPO_HUMAN	1	1	1	1	1	1	1	1	1	Primary	
BCKD_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
BCS1_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
C1QBP_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
C560_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
CACP_HUMAN	1	1	1	1	1	1	1	1	1	Primary	
CH60_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
CLPX_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
CMC2_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
COX10_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
COX11_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
COX15_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
COX5A_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
COX7C_HUMAN	1	1	1	1	1	1	1	1	1	Primary	
CPT2_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
CY1_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
CYB5B_HUMAN	1	1	1	1	1	1	1	1	1	Primary	
CYC_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
DHSA_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
DHSB_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
DLDH_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
EFTU_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
ETFA_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
ETFB_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
FOLC_HUMAN	1	1	1	1	1	1	1	1	1	Primary	cyt, mit
FUMH_HUMAN	1	1	1	1	1	1	1	1	1	Primary	cyt
GCST_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
GPDM_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
GRP75_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
GRPE1_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
GSHR_HUMAN	1	1	1	1	1	1	1	1	1	Primary	cyt
HEM0_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
HEMH_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
IDH3A_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
IDH3G_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
IDHP_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
IF2M_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
IPYR2_HUMAN	1	1	1	1	1	1	1	1	1	Primary	
KAD2_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, ims
KAD3_HUMAN	1	1	1	1	1	1	1	1	1	Primary	
LONM_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
MCAT_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
MDHM_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
MFRN1_HUMAN	1	1	1	1	1	1	1	1	1	Primary	
MIPEP_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
MPCP_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
MPPA_HUMAN	1	1	1	1	1	1	1	1	1	Primary	
NDUA9_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
OAT_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
ODO1_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
ODPA_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
ODPX_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
OGG1_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
ORNT1_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
OXA1L_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
PDP2_HUMAN	1	1	1	1	1	1	1	1	1	Primary	
PPIF_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
QCR2_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
RM01_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
RM03_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
RM04_HUMAN	1	1	1	1	1	1	1	1	1	Primary	
RM11_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
RM12_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
RM13_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
RM16_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
RM27_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit

RM32_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
RM34_HUMAN	1	1	1	1	1	1	1	1	1	Primary	
RM36_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
RM44_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
RM49_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
RPOM_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
RT02_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
RT05_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
RT09_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
RT11_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
RT12_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
RT14_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
RT15_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
RT18C_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
RT21_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
RT23_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
RT27_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
SODM_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
SQRD_HUMAN	1	1	1	1	1	1	1	1	1	Primary	
SSBP_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit
SURF1_HUMAN	1	1	1	1	1	1	1	1	1	Primary	
SYWM_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mit, mm
TI17B_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
TIM13_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
TIM22_HUMAN	1	1	1	1	1	1	1	1	1	Primary	
TIM23_HUMAN	1	1	1	1	1	1	1	1	1	Primary	
TIM44_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
TIM8A_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
TIM9_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
TOM20_HUMAN	1	1	1	1	1	1	1	1	1	Primary	
TOM70_HUMAN	1	1	1	1	1	1	1	1	1	Primary	
UCP2_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
UCRI_HUMAN	1	1	1	1	1	1	1	1	1	Primary	imm, mit
UNG_HUMAN	1	1	1	1	1	1	1	1	1	Primary	nuc
VDAC1_HUMAN	1	1	1	1	1	1	1	1	1	Primary	mem, omm, mit
3BHS1_HUMAN	1	1	1	1	1	1	1	1	0	Primary	end, mit
3HIDH_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
ABCB6_HUMAN	1	1	1	1	1	1	1	1	0	Primary	omm, mit
ABCB7_HUMAN	1	1	1	0	1	1	1	1	1	Primary	
ACADS_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
ACADV_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
ACDSB_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
ADT1_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
ADT2_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
ADT3_HUMAN	1	1	0	1	1	1	1	1	1	Primary	imm, mit
ADX_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
AIFM1_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, ims, nuc
AKA10_HUMAN	1	1	1	1	1	1	1	1	0	Primary	cyt, mit
AKAP1_HUMAN	1	1	1	1	1	1	1	1	0	Primary	
AOFA_HUMAN	1	1	1	1	1	1	1	1	0	Primary	cyt, omm, mit
AOFB_HUMAN	1	1	1	1	1	1	1	1	0	Primary	cyt, omm, mit
ARGI2_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
AT5G1_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
AT5G2_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
ATP5E_HUMAN	1	0	1	1	1	1	1	1	1	Primary	imm, mit
ATP5H_HUMAN	1	1	0	1	1	1	1	1	1	Primary	imm, mit
ATP5L_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
ATP5J_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
ATP5L_HUMAN	1	0	1	1	1	1	1	1	1	Primary	imm, mit
ATPK_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
B2L13_HUMAN	1	1	1	1	1	1	1	1	0	Primary	
BAD_HUMAN	1	1	1	1	1	1	1	1	0	Primary	cyt, omm, mit
BCAT2_HUMAN	1	1	1	1	1	1	1	1	0	Primary	cyt
BCL2_HUMAN	1	1	1	1	1	1	1	1	0	Primary	omm, mit, nuc
C11B1_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
C11B2_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
CAH5A_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
CAH5B_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
CCHL_HUMAN	1	1	0	1	1	1	1	1	1	Primary	
CH10_HUMAN	1	1	0	1	1	1	1	1	1	Primary	mit, mm
CISY_HUMAN	1	0	1	1	1	1	1	1	1	Primary	mit, mm
CLPP_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
CMC1_HUMAN	1	1	0	1	1	1	1	1	1	Primary	imm, mit
COQ3_HUMAN	1	1	0	1	1	1	1	1	1	Primary	
COX17_HUMAN	1	1	0	1	1	1	1	1	1	Primary	
COX41_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
COX5B_HUMAN	1	1	0	1	1	1	1	1	1	Primary	imm, mit
COX6C_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
COX7B_HUMAN	1	1	1	1	1	1	1	1	0	Primary	
COX7R_HUMAN	1	1	1	1	1	1	1	1	0	Primary	
CP27A_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
CP27B_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
CX6B1_HUMAN	1	1	0	1	1	1	1	1	1	Primary	
D3D2_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
DBLOH_HUMAN	1	1	1	1	1	1	1	1	0	Primary	cyt, mit
DCMC_HUMAN	1	1	1	1	1	1	1	1	0	Primary	cyt, mit, per
DECR_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit

DGUOK_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
DHE3_HUMAN	1	1	0	1	1	1	1	1	1	Primary	mit, mm
DNJA3_HUMAN	1	1	1	1	1	1	0	1	1	Primary	mit, mm
DPOG1_HUMAN	1	1	1	1	1	1	0	1	1	Primary	mit
ECHA_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
ECHM_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
EFGM_HUMAN	1	1	1	1	1	1	0	1	1	Primary	
ES1_HUMAN	1	1	1	1	1	1	1	1	0	Primary	
ETFD_HUMAN	1	1	0	1	1	1	1	1	1	Primary	imm, mit
FMT_HUMAN	1	1	1	1	1	1	0	1	1	Primary	
FRDA_HUMAN	1	0	1	1	1	1	1	1	1	Primary	mit
GATB_HUMAN	1	1	0	1	1	1	1	1	1	Primary	mit
GATM_HUMAN	1	1	1	1	1	1	1	1	0	Primary	
GCDH_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
GLPK2_HUMAN	0	1	1	1	1	1	1	1	1	Primary	
GPAT1_HUMAN	1	1	1	1	1	1	1	1	0	Primary	
HEM1_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
HEM6_HUMAN	1	1	0	1	1	1	1	1	1	Primary	mit, ims
HMCS2_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
HMGCL_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
HTRA2_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, ims
HXK2_HUMAN	1	1	1	1	1	1	1	1	0	Primary	
IMMT_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
IVD_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
KBL_HUMAN	1	1	1	1	1	1	1	1	0	Primary	
KCRU_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
KITM_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
LETM1_HUMAN	1	0	1	1	1	1	1	1	1	Primary	imm, mit
LIPT_HUMAN	1	0	1	1	1	1	1	1	1	Primary	mit
M2GD_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
M2OM_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
MAOM_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
MAON_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
MCCA_HUMAN	1	1	0	1	1	1	1	1	1	Primary	mit, mm
MCCB_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
MFN2_HUMAN	1	1	1	1	1	1	0	1	1	Primary	omm, mit
MMSA_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
MPPB_HUMAN	1	1	0	1	1	1	1	1	1	Primary	
MRS2_HUMAN	1	1	1	1	1	1	0	1	1	Primary	
MTCPA_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
MTDC_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
MTERF_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
MTX1_HUMAN	1	1	1	1	1	0	1	1	1	Primary	
MTX2_HUMAN	1	1	1	1	1	1	1	1	0	Primary	omm, mit
NDKM_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, ims
NDUA1_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
NDUA2_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
NDUA4_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
NDUA5_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
NDUA6_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
NDUA7_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
NDUA8_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
NDUAA_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
NDUB5_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
NDUB7_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
NDUBA_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
NDUS4_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
NDUS5_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
NDUS6_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
NDUS7_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
NDUS8_HUMAN	1	1	1	1	1	1	1	1	0	Primary	
NDUV2_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
NDUV3_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
NFS1_HUMAN	1	1	1	1	1	1	0	1	1	Primary	cyt, mit
NLTP_HUMAN	1	1	1	1	1	1	1	1	0	Primary	
NNTM_HUMAN	1	1	1	1	1	1	1	1	0	Primary	
NUCG_HUMAN	1	1	0	1	1	1	1	1	1	Primary	mit
ODB2_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
ODBA_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
ODBB_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
ODC_HUMAN	1	1	1	1	1	1	0	1	1	Primary	imm, mit
ODO2_HUMAN	1	1	1	1	1	1	0	1	1	Primary	mit
ODP2_HUMAN	1	1	0	1	1	1	1	1	1	Primary	mit, mm
ODPAT_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
ODPB_HUMAN	1	1	0	1	1	1	1	1	1	Primary	mit, mm
ORNT2_HUMAN	1	1	1	1	1	1	0	1	1	Primary	imm, mit
OTC_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
PCCA_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
PCKGM_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
PDK1_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
PDK3_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
PDK4_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
PPOX_HUMAN	1	1	0	1	1	1	1	1	1	Primary	
PRDX5_HUMAN	1	1	1	1	1	1	1	1	0	Primary	cyt, mit, per
PYC_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
QCR1_HUMAN	1	1	0	1	1	1	1	1	1	Primary	imm, mit
QCR10_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit

QCR6_HUMAN	1	1	0	1	1	1	1	1	1	Primary	imm, mit
QCR7_HUMAN	1	1	0	1	1	1	1	1	1	Primary	imm, mit
QCR9_HUMAN	1	1	0	1	1	1	1	1	1	Primary	
RF1ML_HUMAN	1	1	1	1	1	1	0	1	1	Primary	mit
RM02_HUMAN	1	1	1	1	1	1	0	1	1	Primary	
RM09_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
RM15_HUMAN	1	1	1	1	1	1	0	1	1	Primary	
RM17_HUMAN	1	1	1	0	1	1	1	1	1	Primary	
RM18_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
RM22_HUMAN	1	1	1	1	1	1	0	1	1	Primary	
RM37_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
RM41_HUMAN	0	1	1	1	1	1	1	1	1	Primary	mit
RM43_HUMAN	1	0	1	1	1	1	1	1	1	Primary	mit
RM46_HUMAN	1	1	1	1	1	1	0	1	1	Primary	mit
RT16_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
RT17_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
RT25_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
RT26_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
RT29_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
RT30_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
RT31_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
RT33_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
RT34_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
RT35_HUMAN	0	1	1	1	1	1	1	1	1	Primary	
RT36_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
RT411_HUMAN	1	1	1	1	1	1	0	1	1	Primary	mit
SCO1_HUMAN	1	1	0	1	1	1	1	1	1	Primary	mit
SCOT1_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
SFXN1_HUMAN	1	1	1	1	1	1	1	1	0	Primary	
SL9A6_HUMAN	1	1	1	1	0	1	1	1	1	Primary	
SPG7_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
SPYA_HUMAN	1	1	0	1	1	1	1	1	1	Primary	mit, mm, per
STAR_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
SUCA_HUMAN	1	1	0	1	1	1	1	1	1	Primary	mit
SUOX_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, ims
SUV3_HUMAN	1	1	0	1	1	1	1	1	1	Primary	mit, mm, nuc
SYFM_HUMAN	1	1	1	1	1	1	0	1	1	Primary	
SYIM_HUMAN	1	1	1	1	1	1	1	0	1	Primary	
SYLM_HUMAN	1	1	0	1	1	1	1	1	1	Primary	
TFAM_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
THIM_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
THIOM_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
THTR_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit, mm
TI17A_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
TIM10_HUMAN	1	1	0	1	1	1	1	1	1	Primary	imm, mit
TIM16_HUMAN	1	1	1	1	1	1	0	1	1	Primary	
TIM9B_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
TOM22_HUMAN	1	1	1	1	1	1	1	1	0	Primary	
TOM40_HUMAN	1	1	0	1	1	1	1	1	1	Primary	omm, mit
TOM7_HUMAN	1	1	1	1	1	1	0	1	1	Primary	omm, mit
TRAP1_HUMAN	1	1	1	1	1	1	1	1	0	Primary	mit
TRNT1_HUMAN	1	1	1	1	1	1	0	1	1	Primary	mit
TXTP_HUMAN	1	1	1	1	1	1	0	1	1	Primary	imm, mit
UCP1_HUMAN	1	1	1	1	1	1	1	1	0	Primary	imm, mit
UCP3_HUMAN	1	1	1	1	1	1	1	1	0	Primary	
UCP5_HUMAN	1	1	1	1	1	1	1	1	0	Primary	
VDAC2_HUMAN	1	1	1	1	1	1	1	1	0	Primary	
VDAC3_HUMAN	1	1	1	1	1	1	0	1	1	Primary	omm, mit
3BHS2_HUMAN	1	1	1	1	0	1	1	1	0	Primary	omm, mit
68MP_HUMAN	1	1	1	1	0	1	1	1	0	Primary	end, mit
ABC8_HUMAN	1	1	1	1	1	1	0	1	0	Primary	imm, mit
ACAD9_HUMAN	1	0	1	1	1	1	1	1	0	Primary	
ACADL_HUMAN	1	1	0	1	1	1	1	1	0	Primary	mit, mm
ACADM_HUMAN	1	1	1	1	1	1	0	1	0	Primary	mit, mm
ACSL1_HUMAN	0	1	1	1	1	1	1	1	0	Primary	
ACSL4_HUMAN	0	1	1	1	1	1	0	1	1	Primary	
ACSL5_HUMAN	0	1	1	1	1	1	1	1	0	Primary	end, mit
ADCK3_HUMAN	1	0	1	1	1	1	0	1	1	Primary	mit
ADRO_HUMAN	1	1	1	0	1	1	0	1	1	Primary	mit, mm
AIFM2_HUMAN	1	0	1	1	1	1	0	1	1	Primary	cyt, omm, mit
AMACR_HUMAN	1	1	1	1	1	1	0	1	0	Primary	mit, per
ATP5S_HUMAN	1	1	1	1	1	1	0	1	0	Primary	
AUHM_HUMAN	1	0	1	1	1	1	1	1	0	Primary	
B2CL1_HUMAN	1	1	1	1	0	1	1	1	0	Primary	
BNI3L_HUMAN	1	1	1	1	0	1	1	1	0	Primary	end, nuc
BNIP3_HUMAN	1	1	1	1	0	1	1	1	0	Primary	
BPL1_HUMAN	1	1	1	1	0	1	1	1	0	Primary	cyt, mit
CIA30_HUMAN	1	1	1	1	1	1	0	1	0	Primary	
COQ2_HUMAN	1	0	1	1	1	1	0	1	1	Primary	
COQ7_HUMAN	1	0	1	1	1	1	0	1	1	Primary	
COX1_HUMAN	1	1	0	1	1	1	1	0	1	Primary	imm, mit
COX18_HUMAN	1	0	1	1	1	1	0	1	1	Primary	imm, mit
COX3_HUMAN	1	1	0	1	1	1	1	0	1	Primary	
COX42_HUMAN	1	1	1	1	1	1	0	1	0	Primary	imm, mit
COX8A_HUMAN	1	1	0	1	1	1	1	1	0	Primary	imm, mit
CP11A_HUMAN	1	1	1	0	1	1	1	1	0	Primary	mit
CP24A_HUMAN	1	1	1	1	1	1	0	1	0	Primary	mit

CPT1A_HUMAN	1	1	0	1	1	1	1	1	0	Primary	omm, mit
CPT1B_HUMAN	1	1	1	1	1	1	0	1	0	Primary	omm, mit
CX6A1_HUMAN	1	1	0	1	1	1	0	1	1	Primary	imm, mit
CX7A1_HUMAN	1	1	0	1	1	1	1	1	0	Primary	imm, mit
CX7A2_HUMAN	1	1	1	0	1	1	1	1	0	Primary	imm, mit
CYB_HUMAN	1	1	0	1	1	1	1	0	1	Primary	
DHE4_HUMAN	1	1	1	1	0	1	1	1	0	Primary	mit, mm
DIC_HUMAN	1	1	0	1	1	1	0	1	1	Primary	imm, mit
DPOG2_HUMAN	1	1	1	1	1	1	0	1	0	Primary	mit
ECHB_HUMAN	1	1	0	1	1	1	1	1	0	Primary	mit
GABT_HUMAN	1	0	1	1	1	1	1	1	0	Primary	mit, mm
GCSH_HUMAN	1	1	0	1	0	1	1	1	1	Primary	mit
GCSP_HUMAN	1	1	0	0	1	1	1	1	1	Primary	mit
GDC_HUMAN	1	0	1	1	1	1	0	1	1	Primary	imm, mit
GHC1_HUMAN	1	1	1	1	1	1	0	1	0	Primary	
GHC2_HUMAN	1	1	1	1	1	1	0	1	0	Primary	
GLRX2_HUMAN	1	1	1	1	1	1	0	0	1	Primary	nuc
GLSK_HUMAN	1	1	0	1	1	1	1	1	0	Primary	
GLSL_HUMAN	1	1	1	1	1	1	0	1	0	Primary	mit
GLYM_HUMAN	1	1	0	1	1	1	1	1	0	Primary	mit
GSTK1_HUMAN	1	1	1	1	1	1	1	0	0	Primary	per
GTPB3_HUMAN	1	1	0	1	1	1	0	1	1	Primary	mit
HSC20_HUMAN	1	0	1	1	1	1	0	1	1	Primary	
HXK1_HUMAN	1	1	0	1	1	1	1	1	0	Primary	omm, mit
IDH3B_HUMAN	1	1	1	1	1	1	0	1	0	Primary	mit
IMP2L_HUMAN	1	1	0	1	1	1	0	1	1	Primary	
ISCU_HUMAN	1	1	1	1	1	1	0	0	1	Primary	cyt, nuc
KAD4_HUMAN	1	1	1	1	0	1	1	1	0	Primary	mit, mm
KCRS_HUMAN	1	1	0	1	1	1	1	1	0	Primary	imm, mit
LIAS_HUMAN	1	0	1	1	1	1	0	1	1	Primary	
MCATL_HUMAN	1	0	1	1	1	1	0	1	1	Primary	
MECR_HUMAN	1	0	1	1	1	1	1	0	1	Primary	mit
MFN1_HUMAN	1	1	1	1	1	1	0	1	0	Primary	cyt
MFRN2_HUMAN	1	1	0	1	1	1	1	1	0	Primary	imm, mit
MFTC_HUMAN	1	1	0	1	1	1	0	1	1	Primary	imm, mit
MTCH1_HUMAN	1	1	1	1	1	1	0	1	0	Primary	
MTCH2_HUMAN	1	1	0	1	1	1	1	1	0	Primary	
MTP18_HUMAN	1	0	1	1	1	1	1	1	0	Primary	mit
MTU1_HUMAN	1	0	1	1	1	1	0	1	1	Primary	mit
MUTA_HUMAN	1	1	0	1	1	1	1	1	0	Primary	mit, mm
NDUA3_HUMAN	1	1	0	1	1	1	1	1	0	Primary	imm, mit
NDUAB_HUMAN	1	0	1	1	1	1	1	1	0	Primary	
NDUAD_HUMAN	1	1	0	1	1	1	1	1	0	Primary	imm, mit, nuc
NDUB1_HUMAN	1	1	1	1	0	1	1	1	0	Primary	imm, mit
NDUB2_HUMAN	1	1	0	1	1	1	1	1	0	Primary	imm, mit
NDUB3_HUMAN	1	1	0	1	1	1	1	1	0	Primary	imm, mit
NDUB4_HUMAN	1	1	0	1	1	1	1	1	0	Primary	imm, mit
NDUB6_HUMAN	1	1	0	1	1	1	1	1	0	Primary	imm, mit
NDUB8_HUMAN	1	1	0	1	1	1	1	1	0	Primary	imm, mit
NDUB9_HUMAN	1	1	0	1	1	1	1	1	0	Primary	imm, mit
NDUC1_HUMAN	1	1	0	1	1	1	1	1	0	Primary	imm, mit
NDUC2_HUMAN	1	1	0	1	1	1	1	1	0	Primary	imm, mit
NDUS1_HUMAN	1	1	0	1	1	1	1	1	0	Primary	imm, mit
NDUS2_HUMAN	1	1	0	1	1	1	1	1	0	Primary	imm, mit
NDUS3_HUMAN	1	1	0	1	1	1	1	1	0	Primary	imm, mit
NEUL_HUMAN	1	1	1	1	1	1	0	1	0	Primary	
ORN_HUMAN	1	1	0	1	1	1	1	0	1	Primary	nuc
P5CS_HUMAN	1	1	1	1	1	1	0	1	0	Primary	imm, mit
PCCB_HUMAN	1	1	0	1	1	1	1	1	0	Primary	mit, mm
PDK2_HUMAN	1	1	0	1	1	1	1	1	0	Primary	mit, mm
PEMT_HUMAN	1	1	1	1	0	1	1	1	0	Primary	
PEO1_HUMAN	1	1	1	1	1	1	0	1	0	Primary	mit, mm
PHB_HUMAN	1	0	1	1	1	1	1	0	1	Primary	
PRDX3_HUMAN	1	1	0	1	1	1	1	1	0	Primary	mit
PROD_HUMAN	1	1	0	1	1	1	0	1	1	Primary	mit, mm
PTH2_HUMAN	1	0	1	1	1	1	0	1	1	Primary	mit
PYRD_HUMAN	1	1	1	1	1	1	0	1	0	Primary	
QCR8_HUMAN	1	1	0	1	1	1	1	1	0	Primary	imm, mit
RF1M_HUMAN	1	0	1	1	1	1	1	1	0	Primary	mit
RM19_HUMAN	1	1	0	1	1	1	1	1	0	Primary	mit
RM28_HUMAN	1	0	1	0	1	1	1	1	1	Primary	mit
RM33_HUMAN	1	1	0	1	1	1	0	1	1	Primary	mit
RM39_HUMAN	1	1	1	1	1	1	0	1	0	Primary	mit
RM42_HUMAN	1	1	1	1	1	1	0	1	0	Primary	mit
RM45_HUMAN	1	1	1	1	1	1	0	1	0	Primary	mit
RM51_HUMAN	0	1	1	1	1	1	1	1	0	Primary	
RRF2M_HUMAN	1	0	1	1	1	1	0	1	1	Primary	
RT06_HUMAN	1	1	1	0	1	1	1	1	0	Primary	mit
RT10_HUMAN	1	1	0	1	1	1	1	1	0	Primary	mit
RT18A_HUMAN	1	1	0	1	1	1	1	1	0	Primary	mit
RT18B_HUMAN	1	1	0	1	1	1	1	1	0	Primary	mit
RT22_HUMAN	1	1	0	1	1	1	1	1	0	Primary	mit
RT24_HUMAN	0	1	1	1	1	1	1	1	0	Primary	
RT28_HUMAN	1	1	0	1	1	1	1	1	0	Primary	mit
RT63_HUMAN	0	1	1	1	1	1	1	1	0	Primary	
S2535_HUMAN	1	0	1	1	1	1	0	1	1	Primary	
S2536_HUMAN	1	1	0	1	1	1	1	0	1	Primary	

S2538_HUMAN	1	1	1	1	0	1	0	1	1	Primary	
S2540_HUMAN	1	1	1	1	1	1	0	1	0	Primary	
SAM50_HUMAN	1	0	0	1	1	1	1	1	1	Primary	
SCMC1_HUMAN	1	0	0	1	1	1	1	1	1	Primary	imm, mit
SCO2_HUMAN	1	1	1	1	0	1	1	1	0	Primary	mit
SFXN3_HUMAN	1	1	1	1	1	1	0	1	0	Primary	mit
SPEB_HUMAN	1	1	1	1	1	1	0	1	0	Primary	mit
SSDH_HUMAN	1	1	1	1	1	1	0	1	0	Primary	mit
SUCB1_HUMAN	1	1	0	1	1	1	0	1	1	Primary	mit
SUCB2_HUMAN	1	1	0	1	1	1	1	1	0	Primary	mit
SYJ2B_HUMAN	1	1	1	1	0	1	1	1	0	Primary	
SYSM_HUMAN	1	1	0	1	1	1	0	1	1	Primary	
SYYM_HUMAN	1	0	1	1	1	1	0	1	1	Primary	mit, mm
THIL_HUMAN	1	1	0	1	1	1	1	1	0	Primary	mit
TIM50_HUMAN	1	0	1	1	1	1	0	1	1	Primary	nuc
TIM8B_HUMAN	1	1	0	1	1	1	1	1	0	Primary	
TMLH_HUMAN	1	1	1	1	0	1	0	1	1	Primary	
TOM34_HUMAN	0	1	1	1	1	1	1	1	0	Primary	cyt, omm, mit
TPC_HUMAN	1	1	0	1	1	1	0	1	1	Primary	imm, mit
TRXR2_HUMAN	1	1	0	1	1	1	1	1	0	Primary	mit
UCP4_HUMAN	1	1	0	1	1	1	1	1	0	Primary	imm, mit
UK114_HUMAN	1	0	1	1	1	1	1	0	1	Primary	cyt, nuc
UQCC_HUMAN	1	0	1	1	1	1	1	0	1	Primary	
YMEL1_HUMAN	1	0	1	1	1	1	0	1	1	Primary	mit
AASS_HUMAN	1	0	1	1	1	1	0	1	0	Primary	
ABHDB_HUMAN	0	0	1	1	1	1	1	0	1	Primary	
ACAD8_HUMAN	1	0	1	1	1	1	0	1	0	Primary	mit
ACOT2_HUMAN	1	0	1	1	1	1	1	0	0	Primary	mit
ACOT9_HUMAN	1	0	1	1	1	1	1	0	0	Primary	
ACS2L_HUMAN	1	0	1	0	1	1	1	1	0	Primary	mit, mm
AGT2_HUMAN	1	1	0	1	1	1	0	1	0	Primary	
ALR_HUMAN	0	0	1	1	1	1	1	0	1	Primary	
ASAH2_HUMAN	0	1	1	1	1	1	0	1	0	Primary	mem, ext
ATP6_HUMAN	1	1	0	1	0	1	1	0	1	Primary	imm, mit
ATPF1_HUMAN	1	0	1	1	1	0	0	1	1	Primary	
ATPF2_HUMAN	1	0	1	0	1	1	0	1	1	Primary	
BDH_HUMAN	1	0	0	1	1	1	1	1	0	Primary	mit, mm
BR44_HUMAN	0	0	1	1	1	1	1	0	1	Primary	
CASQ1_HUMAN	0	1	1	1	0	1	1	1	0	Primary	mit
CDS2_HUMAN	1	1	1	1	0	1	0	1	0	Primary	
CN159_HUMAN	1	0	1	0	1	1	1	1	0	Primary	
COQ4_HUMAN	1	0	1	1	1	1	0	0	1	Primary	imm, mit
COQ6_HUMAN	1	0	1	1	1	1	0	0	1	Primary	
COQ9_HUMAN	1	0	0	1	1	1	1	0	1	Primary	
COX2_HUMAN	1	1	0	1	0	1	1	0	1	Primary	imm, mit
COX8C_HUMAN	1	0	1	1	1	1	1	1	0	Primary	imm, mit
CPSM_HUMAN	1	1	0	1	1	1	0	1	0	Primary	mit
CX6A2_HUMAN	1	0	1	1	1	1	1	0	0	Primary	imm, mit
DDX28_HUMAN	1	1	1	1	1	1	0	0	0	Primary	mit, nuc
DHSD_HUMAN	1	1	0	0	1	1	1	1	0	Primary	imm, mit
DPS1_HUMAN	1	0	1	1	1	1	0	0	1	Primary	
DUT_HUMAN	1	0	1	0	1	1	1	1	0	Primary	nuc
ECH1_HUMAN	1	0	1	1	1	1	1	0	0	Primary	
FABD_HUMAN	1	0	1	1	1	1	0	1	0	Primary	mit
FIS1_HUMAN	1	0	1	1	0	1	1	0	1	Primary	omm, mit, per
GLO2_HUMAN	0	0	1	1	1	1	1	0	1	Primary	cyt
GLRX5_HUMAN	1	0	1	1	1	1	0	0	1	Primary	
GPX4_HUMAN	1	1	0	1	1	1	0	1	0	Primary	cyt, mit
GRPE2_HUMAN	1	0	1	1	1	1	0	1	0	Primary	
GTPB5_HUMAN	1	0	1	1	1	1	0	0	1	Primary	mit
HCDH_HUMAN	1	1	0	1	1	1	1	1	0	Primary	mit, mm
HDMCP_HUMAN	1	0	1	1	1	1	0	1	0	Primary	imm, mit
HIBCH_HUMAN	1	0	0	1	1	1	1	0	1	Primary	
HINT2_HUMAN	1	0	1	1	1	1	1	0	0	Primary	mit
IF3M_HUMAN	0	1	1	1	1	1	0	1	0	Primary	
IMP1L_HUMAN	1	1	0	1	0	1	1	0	1	Primary	
ISCA1_HUMAN	1	0	1	1	1	1	0	0	1	Primary	mit
L2HDH_HUMAN	1	0	1	1	1	1	1	0	0	Primary	mit
LDHD_HUMAN	1	0	1	1	1	1	0	0	1	Primary	
MCEE_HUMAN	1	0	0	1	1	1	1	1	0	Primary	
MCSP_HUMAN	1	1	0	1	0	1	1	1	0	Primary	
MGST1_HUMAN	0	1	1	1	0	1	1	1	0	Primary	
NAGS_HUMAN	1	0	1	1	1	1	0	0	1	Primary	mit, mm
NDUAC_HUMAN	1	1	0	1	1	0	1	1	0	Primary	imm, mit
NDUV1_HUMAN	1	1	0	1	1	1	0	1	0	Primary	imm, mit
NFU1_HUMAN	0	0	1	1	1	1	1	0	1	Primary	cyt, mit
NIPS2_HUMAN	1	0	1	1	1	1	1	0	0	Primary	
NTHL1_HUMAN	1	0	1	1	1	1	0	0	1	Primary	nuc
NU5M_HUMAN	1	1	0	1	1	1	1	0	0	Primary	
OPA1_HUMAN	1	1	0	0	1	1	1	1	0	Primary	imm, mit, ims
OXSM_HUMAN	1	0	1	1	1	1	0	0	1	Primary	mit
PANK2_HUMAN	1	1	0	1	1	1	0	1	0	Primary	cyt, mit
PARL_HUMAN	1	0	1	1	1	1	0	0	1	Primary	nuc
PISD_HUMAN	1	0	1	0	1	1	0	1	1	Primary	
PREP_HUMAN	1	0	0	1	1	0	1	1	1	Primary	mit, mm
RM14_HUMAN	0	1	1	1	1	1	0	1	0	Primary	mit
RM20_HUMAN	0	1	0	1	1	1	1	1	0	Primary	mit

RM24_HUMAN	0	1	1	1	1	1	0	1	0	Primary	
RM30_HUMAN	0	1	1	1	1	1	0	1	0	Primary	
RM35_HUMAN	1	1	1	1	1	1	0	0	0	Primary	mit
RM40_HUMAN	1	0	1	1	1	1	0	1	0	Primary	
RM50_HUMAN	0	1	1	1	1	1	0	1	0	Primary	
RRFM_HUMAN	1	0	1	1	1	1	0	1	0	Primary	
RT07_HUMAN	0	1	0	1	1	1	1	1	0	Primary	
S2533_HUMAN	1	1	0	1	1	1	0	1	0	Primary	imm, mit
S2539_HUMAN	1	1	0	0	0	1	1	1	1	Primary	imm, mit
S2543_HUMAN	1	0	0	1	1	1	0	1	1	Primary	
S2546_HUMAN	1	0	1	1	1	1	0	1	0	Primary	
SAMC_HUMAN	1	0	0	1	1	1	0	1	1	Primary	imm, mit
SCMC2_HUMAN	1	0	1	1	1	1	0	1	0	Primary	imm, mit
SCMC3_HUMAN	1	0	1	1	1	1	0	1	0	Primary	imm, mit
SCOT2_HUMAN	1	0	1	1	0	1	1	1	0	Primary	mit
SEPT4_HUMAN	0	1	1	1	1	1	0	1	0	Primary	mit, nuc
SFXN2_HUMAN	1	1	0	1	1	1	0	1	0	Primary	
SFXN5_HUMAN	1	0	0	1	1	1	0	1	1	Primary	
STAR3_HUMAN	1	1	0	1	0	1	1	1	0	Primary	
SYK_HUMAN	0	1	0	1	1	1	0	1	1	Primary	mit
SYMM_HUMAN	1	0	0	1	1	1	0	1	1	Primary	
TACO1_HUMAN	1	0	0	1	1	1	1	0	1	Primary	mit
TOP1M_HUMAN	1	1	0	1	1	1	0	1	0	Primary	mit
VAMP1_HUMAN	1	1	1	0	1	0	1	1	0	Primary	omm, mit
3BP5_HUMAN	1	0	1	1	0	1	0	1	0	Primary	mit
AADAT_HUMAN	1	0	1	0	1	1	0	1	0	Primary	
AATC_HUMAN	0	1	0	1	0	1	1	0	1	Primary	cyt
ACN9_HUMAN	1	0	0	1	1	1	0	0	1	Primary	
ACS2B_HUMAN	1	0	1	1	0	1	0	1	0	Primary	mit, mm
ACSL3_HUMAN	0	1	1	1	0	1	0	1	0	Primary	
ACSM1_HUMAN	1	0	1	1	1	1	0	0	0	Primary	
ADCK2_HUMAN	1	0	0	1	1	1	0	0	1	Primary	
ADXL_HUMAN	1	0	0	1	1	1	0	0	1	Primary	
ALAT2_HUMAN	0	0	1	1	1	1	0	0	1	Primary	
AT2L2_HUMAN	1	0	1	1	1	1	0	0	0	Primary	
ATP7B_HUMAN	0	1	1	1	0	0	0	1	1	Primary	mit
ATP8_HUMAN	1	1	0	1	0	1	1	0	0	Primary	mit
BAX_HUMAN	0	0	1	1	1	1	1	0	0	Primary	
C1TC_HUMAN	0	0	0	1	1	1	1	0	1	Primary	cyt
C1TM_HUMAN	0	0	1	1	1	1	0	1	0	Primary	mit
CA031_HUMAN	1	0	1	1	1	1	0	0	0	Primary	
CECR5_HUMAN	1	0	0	1	1	0	1	0	1	Primary	
CF057_HUMAN	1	0	0	1	1	1	0	0	1	Primary	
CG055_HUMAN	0	0	1	1	1	1	1	0	0	Primary	
CHCH3_HUMAN	0	0	0	1	1	1	1	0	1	Primary	
CHDH_HUMAN	1	0	0	1	1	1	0	1	0	Primary	
COQ5_HUMAN	1	0	0	1	1	1	0	0	1	Primary	
COX16_HUMAN	1	0	1	0	1	1	0	0	1	Primary	
COX7S_HUMAN	1	1	0	1	0	1	0	1	0	Primary	
CPT1C_HUMAN	1	0	1	0	1	1	0	1	0	Primary	
CQ10A_HUMAN	1	0	0	1	1	1	0	0	1	Primary	
CRLS1_HUMAN	1	0	0	1	1	1	0	0	1	Primary	imm, mit
CX7B2_HUMAN	1	0	1	1	0	1	0	1	0	Primary	
DEFM_HUMAN	0	1	0	1	0	1	1	1	0	Primary	
DHB4_HUMAN	0	0	1	1	1	1	0	0	1	Primary	per
ECHD3_HUMAN	1	0	0	1	1	1	1	0	0	Primary	
ECSIT_HUMAN	0	0	1	1	1	1	1	0	0	Primary	cyt, mit, nuc
EFTS_HUMAN	1	1	0	1	0	1	0	1	0	Primary	mit
FAHD1_HUMAN	0	0	1	1	1	1	0	0	1	Primary	
FIBP_HUMAN	0	1	1	1	0	1	0	1	0	Primary	cyt, nuc
FTMT_HUMAN	1	0	0	1	1	1	0	1	0	Primary	mit
FXRD1_HUMAN	1	0	1	1	1	1	0	0	0	Primary	
GLPK3_HUMAN	0	1	0	1	0	1	1	1	0	Primary	
GLYAT_HUMAN	0	0	1	1	1	1	1	0	0	Primary	
GLYC_HUMAN	0	1	0	1	1	1	0	0	1	Primary	cyt
GUF1_HUMAN	1	0	0	1	1	1	0	0	1	Primary	
HAX1_HUMAN	0	1	1	1	0	1	0	1	0	Primary	end, mit
HCLS1_HUMAN	0	1	0	1	0	1	1	1	0	Primary	
KMCP1_HUMAN	1	0	1	1	1	1	0	0	0	Primary	
LACE1_HUMAN	1	0	0	1	1	1	0	0	1	Primary	
LACTB_HUMAN	1	1	1	0	1	0	1	0	0	Primary	mit
LONP2_HUMAN	1	1	0	1	0	1	0	1	0	Primary	per
LYRM4_HUMAN	1	0	0	1	1	1	0	0	1	Primary	mit
MAOX_HUMAN	0	0	0	1	1	1	1	0	1	Primary	cyt
MCAR1_HUMAN	1	0	0	1	1	1	0	1	0	Primary	
MIA40_HUMAN	1	0	0	1	1	1	0	0	1	Primary	mit, ims
MOD5_HUMAN	1	0	0	0	1	1	0	1	1	Primary	
MRM1_HUMAN	1	0	0	1	1	1	0	0	1	Primary	
MTHFS_HUMAN	0	0	1	1	1	1	0	0	1	Primary	cyt
MTO1_HUMAN	1	0	0	1	1	1	0	0	1	Primary	
MUTYH_HUMAN	1	1	0	1	1	0	1	0	0	Primary	nuc
MYCBP_HUMAN	0	1	1	1	0	1	0	1	0	Primary	cyt, mit, nuc
NB5R3_HUMAN	0	0	1	1	0	1	1	1	0	Primary	cyt
NDUF3_HUMAN	0	0	1	1	1	1	1	0	0	Primary	
NU1M_HUMAN	1	1	0	1	0	1	1	0	0	Primary	
NU2M_HUMAN	1	1	0	1	0	1	1	0	0	Primary	imm, mit
NU4LM_HUMAN	1	1	0	1	0	1	1	0	0	Primary	

NU4M_HUMAN	1	1	0	1	0	1	1	0	0	Primary	
NU6M_HUMAN	1	1	0	1	0	1	1	0	0	Primary	
NUDT9_HUMAN	1	0	1	1	0	1	0	1	0	Primary	mit
OPA3_HUMAN	0	1	1	0	1	0	1	1	0	Primary	
P5CR1_HUMAN	0	0	1	1	1	1	1	0	0	Primary	mit
PDIP2_HUMAN	1	0	1	1	1	1	0	0	0	Primary	
PDP1_HUMAN	1	0	1	0	1	1	1	0	0	Primary	
PDPR_HUMAN	1	0	1	1	1	0	1	0	0	Primary	
PGES2_HUMAN	0	0	1	1	1	1	1	0	0	Primary	gol, cyt, nuc
PGPS1_HUMAN	1	0	0	1	1	1	0	0	1	Primary	
PHB2_HUMAN	1	0	0	0	1	1	1	0	1	Primary	
PINK1_HUMAN	1	0	0	1	1	1	0	1	0	Primary	omm, mit
PM34_HUMAN	1	1	0	1	0	1	1	0	0	Primary	per
PNPT1_HUMAN	1	0	0	1	1	1	1	0	0	Primary	mit
PPA6_HUMAN	1	1	0	1	1	1	0	0	0	Primary	
PPTC7_HUMAN	1	0	0	1	1	1	0	0	1	Primary	
QRSL1_HUMAN	1	0	0	1	1	1	0	0	1	Primary	
RAB32_HUMAN	1	0	0	1	1	1	0	1	0	Primary	mit
RFIP5_HUMAN	1	0	1	0	1	1	0	1	0	Primary	cyt, mit
RM10_HUMAN	0	1	1	1	1	0	0	1	0	Primary	
RM23_HUMAN	1	0	0	0	1	1	0	1	1	Primary	mit
RM47_HUMAN	1	0	1	1	1	0	0	0	1	Primary	mit
RM48_HUMAN	0	1	1	0	1	1	0	1	0	Primary	
RM53_HUMAN	0	0	1	0	1	1	1	1	0	Primary	
RM54_HUMAN	0	0	1	0	1	1	0	1	1	Primary	
RM55_HUMAN	0	0	1	1	1	1	0	1	0	Primary	
RMD1_HUMAN	1	0	0	1	1	1	1	0	0	Primary	cyt, ske
RN5A_HUMAN	1	1	0	1	0	1	0	1	0	Primary	cyt, mit
RNH1_HUMAN	1	0	1	0	1	1	0	0	1	Primary	
S2534_HUMAN	1	0	0	1	1	1	0	1	0	Primary	
S2542_HUMAN	1	0	0	1	1	1	0	1	0	Primary	
SARDH_HUMAN	1	0	0	1	1	1	0	1	0	Primary	
SDHF2_HUMAN	1	0	0	1	1	1	0	0	1	Primary	mit
SIRT3_HUMAN	1	0	1	1	1	0	0	1	0	Primary	mit, mm
SIRT5_HUMAN	1	0	1	1	1	0	1	0	0	Primary	
SYDM_HUMAN	1	0	0	1	1	1	0	0	1	Primary	mit, mm
SYEM_HUMAN	1	0	0	1	1	1	0	0	1	Primary	
SYPM_HUMAN	1	0	0	1	1	1	0	0	1	Primary	
SYRM_HUMAN	1	0	0	1	1	1	0	0	1	Primary	
SYSC_HUMAN	0	0	1	1	1	1	0	0	1	Primary	cyt
TFB1M_HUMAN	0	0	1	1	1	1	0	1	0	Primary	mit
TFB2M_HUMAN	0	0	1	1	1	1	0	1	0	Primary	mit
THIO_HUMAN	0	0	1	0	1	1	1	0	1	Primary	cyt
TI21L_HUMAN	1	0	1	0	1	1	1	0	0	Primary	
TIM14_HUMAN	1	0	0	0	0	1	1	1	1	Primary	
TM40L_HUMAN	1	1	0	1	1	1	1	0	0	Primary	
TYPH_HUMAN	0	1	0	1	0	1	1	1	0	Primary	
ABCE1_HUMAN	1	0	0	1	0	1	0	1	0	Primary	cyt, mem, mit
ABCF2_HUMAN	0	0	1	1	1	1	0	0	0	Primary	
ACACB_HUMAN	1	0	1	0	1	0	0	0	1	Primary	
ACOX1_HUMAN	1	0	0	0	0	1	1	0	1	Primary	per
ACS2A_HUMAN	1	0	0	1	1	1	0	0	0	Primary	
ACSF2_HUMAN	0	0	0	1	1	1	1	0	0	Primary	
ACSM3_HUMAN	0	0	1	1	1	1	0	0	0	Primary	
ACSM5_HUMAN	0	0	1	1	1	1	0	0	0	Primary	
ADCK4_HUMAN	1	0	0	1	1	1	0	0	0	Primary	
AIFM3_HUMAN	1	0	1	0	1	0	0	0	1	Primary	mit, nuc
ALAT1_HUMAN	0	1	1	1	0	1	0	0	0	Primary	cyt
AMP1D_HUMAN	0	0	1	0	1	1	0	1	0	Primary	mit
AMPL_HUMAN	0	0	1	1	1	1	0	0	0	Primary	cyt
APEX2_HUMAN	0	0	1	0	1	1	0	1	0	Primary	
AT5EL_HUMAN	1	0	1	1	0	1	0	0	0	Primary	
AT5SL_HUMAN	1	0	0	1	1	1	0	0	0	Primary	
ATAD1_HUMAN	1	0	0	0	1	1	0	0	1	Primary	
BACH_HUMAN	1	0	1	1	0	1	0	0	0	Primary	mit
BBC3_HUMAN	1	0	1	0	0	1	0	1	0	Primary	mit
BCAT1_HUMAN	0	0	0	1	1	1	0	0	1	Primary	cyt
BID_HUMAN	0	0	1	1	1	1	0	0	0	Primary	mit
BOLA3_HUMAN	1	0	0	1	0	1	0	0	1	Primary	
BR44L_HUMAN	0	0	0	1	1	1	0	0	1	Primary	
CA069_HUMAN	1	0	0	0	1	1	0	0	1	Primary	
CATA_HUMAN	0	0	1	1	0	1	1	0	0	Primary	per
CBR4_HUMAN	1	0	0	1	1	1	0	0	0	Primary	mit, mm
CC001_HUMAN	0	0	1	1	1	1	0	0	0	Primary	
CC90A_HUMAN	0	0	0	1	1	1	0	0	1	Primary	
CC90B_HUMAN	0	0	1	1	1	1	0	0	0	Primary	
CDS1_HUMAN	1	0	1	0	0	1	0	0	1	Primary	
CF203_HUMAN	1	0	0	1	1	1	0	0	0	Primary	
CISD1_HUMAN	0	0	0	1	1	1	1	0	0	Primary	omm, mit
CL065_HUMAN	1	0	0	1	0	1	0	0	1	Primary	
CLPB_HUMAN	1	0	0	0	1	1	0	0	1	Primary	
CQ10B_HUMAN	1	0	0	1	1	1	0	0	0	Primary	
CR019_HUMAN	0	0	0	1	1	1	1	0	0	Primary	
CRY1_HUMAN	0	0	1	1	1	1	0	0	0	Primary	cyt, nuc
DDAH1_HUMAN	1	0	0	1	1	1	0	0	0	Primary	
DHB8_HUMAN	1	0	0	1	1	1	0	0	0	Primary	mit, mm
DHTK1_HUMAN	1	0	0	1	1	1	0	0	0	Primary	

DJC30_HUMAN	1	0	0	1	1	1	0	0	0	Primary	
DLP1_HUMAN	1	0	1	1	1	0	0	0	0	Primary	
ETHE1_HUMAN	0	0	1	1	1	1	0	0	0	Primary	cyt, mit, mm, nuc
FKBP8_HUMAN	0	0	1	0	1	1	0	1	0	Primary	
GHITM_HUMAN	0	0	1	1	1	1	0	0	0	Primary	
GIMA5_HUMAN	1	0	1	0	0	1	0	1	0	Primary	
GLPK_HUMAN	0	0	1	1	1	1	0	0	0	Primary	cyt, omm, mit
HCD2_HUMAN	1	0	0	1	1	1	0	0	0	Primary	mit
HEMK1_HUMAN	0	0	0	1	1	1	0	0	1	Primary	
HIG2A_HUMAN	0	0	0	1	1	1	0	0	1	Primary	
HMG2_HUMAN	1	0	0	0	0	1	0	1	1	Primary	
HS90B_HUMAN	0	0	1	0	0	1	1	0	1	Primary	cyt
ICT1_HUMAN	1	0	0	1	1	1	0	0	0	Primary	
IDE_HUMAN	1	0	0	1	1	1	0	0	0	Primary	cyt
IDHC_HUMAN	0	0	0	1	1	1	0	0	1	Primary	cyt, per
ISCA2_HUMAN	1	0	0	0	1	1	0	0	1	Primary	
KIF1B_HUMAN	0	1	0	1	0	1	0	1	0	Primary	
KITH_HUMAN	0	1	0	1	0	1	1	0	0	Primary	cyt
KMO_HUMAN	1	0	1	0	0	1	0	0	1	Primary	omm, mit
LPPRC_HUMAN	0	0	0	1	1	1	0	0	1	Primary	mit, nuc
LTMD1_HUMAN	1	0	0	1	1	1	0	0	0	Primary	
LYRM1_HUMAN	1	0	0	1	1	1	0	0	0	Primary	nuc
LYRM7_HUMAN	0	0	0	1	1	1	0	0	1	Primary	
MCAR6_HUMAN	1	0	1	1	0	1	0	0	0	Primary	
MDHC_HUMAN	0	0	0	1	1	1	1	0	0	Primary	cyt
MIMIT_HUMAN	1	0	0	1	1	1	0	0	0	Primary	mit
MIRO1_HUMAN	0	0	1	0	1	1	0	1	0	Primary	
MIRO2_HUMAN	0	0	1	0	1	1	0	1	0	Primary	
MMAB_HUMAN	1	0	0	0	1	1	0	1	0	Primary	
MMP37_HUMAN	1	0	0	0	1	1	0	0	1	Primary	
MPV17_HUMAN	1	0	0	1	1	1	0	0	0	Primary	imm, mit
MSRA_HUMAN	0	0	1	1	1	1	0	0	0	Primary	
MSRB2_HUMAN	0	0	0	1	1	1	1	0	0	Primary	
MTER1_HUMAN	1	0	0	1	1	1	0	0	0	Primary	
MTER3_HUMAN	1	0	0	1	1	1	0	0	0	Primary	mit
MTFR1_HUMAN	1	0	1	0	1	1	0	0	0	Primary	
MUL1_HUMAN	0	0	1	1	1	1	0	0	0	Primary	omm, mit, per
NB5R2_HUMAN	0	0	0	1	1	1	0	0	1	Primary	
NDUBB_HUMAN	1	0	0	1	0	1	0	1	0	Primary	
NIPS1_HUMAN	1	0	0	1	1	1	0	0	0	Primary	
NPS3B_HUMAN	1	0	0	0	1	1	1	0	0	Primary	
NT5M_HUMAN	1	0	1	0	1	0	0	1	0	Primary	mit
NU3M_HUMAN	1	1	0	0	0	1	1	0	0	Primary	
NUDT8_HUMAN	1	0	0	1	1	1	0	0	0	Primary	
OAS1_HUMAN	0	0	1	1	0	0	1	1	0	Primary	mic, mit, nuc
OAS2_HUMAN	0	0	1	1	0	1	1	0	0	Primary	mic, mit, nuc
OGDHL_HUMAN	1	0	0	1	1	1	0	0	0	Primary	
OXR1_HUMAN	1	0	1	0	1	1	0	0	0	Primary	mit
PNKD_HUMAN	0	0	0	1	1	1	1	0	0	Primary	mit
PRDX1_HUMAN	0	0	0	1	1	1	1	0	0	Primary	cyt
PRDX2_HUMAN	0	0	0	1	1	1	1	0	0	Primary	cyt
PRDX6_HUMAN	0	0	0	1	1	1	0	0	1	Primary	
PRLD1_HUMAN	0	0	0	1	1	1	0	0	1	Primary	
PTCD2_HUMAN	1	0	0	1	1	1	0	0	0	Primary	
PTH_HUMAN	0	0	0	1	1	1	0	0	1	Primary	
RAB35_HUMAN	0	0	0	1	1	1	1	0	0	Primary	
RIMB1_HUMAN	1	0	0	1	0	1	0	1	0	Primary	cyt, mit
RL23_HUMAN	1	0	0	1	0	1	0	0	1	Primary	
RM21_HUMAN	0	0	1	1	1	1	0	0	0	Primary	
RM38_HUMAN	0	1	1	0	1	0	0	1	0	Primary	
RS14_HUMAN	0	0	0	1	1	1	0	0	1	Primary	
RUSD4_HUMAN	1	0	0	1	1	1	0	0	0	Primary	
S13A2_HUMAN	1	0	0	1	0	1	1	0	0	Primary	
S2541_HUMAN	1	0	0	1	0	1	0	1	0	Primary	
S2544_HUMAN	1	0	0	0	1	1	0	1	0	Primary	
S2545_HUMAN	1	0	0	1	0	1	0	1	0	Primary	
SDSL_HUMAN	0	0	0	1	1	1	0	0	1	Primary	
SFXN4_HUMAN	1	0	0	1	1	1	0	0	0	Primary	
SHC1_HUMAN	1	0	0	1	0	1	0	1	0	Primary	mit, mm
SLIRP_HUMAN	0	0	0	1	1	1	1	0	0	Primary	mit, nuc
SLMO2_HUMAN	0	0	0	1	1	1	0	0	1	Primary	
SODC_HUMAN	0	0	0	0	1	1	1	0	1	Primary	cyt
STML2_HUMAN	1	0	0	1	1	1	0	0	0	Primary	
SYHM_HUMAN	0	0	1	1	1	1	0	0	0	Primary	
SYNC_HUMAN	0	0	0	1	1	1	0	0	1	Primary	cyt
SYNM_HUMAN	0	0	0	1	1	1	0	0	1	Primary	
TBRG4_HUMAN	0	0	1	1	1	1	0	0	0	Primary	
THTM_HUMAN	0	0	0	1	1	1	0	0	1	Primary	cyt
TM14B_HUMAN	0	0	1	1	0	1	0	0	1	Primary	
TRM1_HUMAN	1	0	1	0	0	1	0	0	1	Primary	
TSPOA_HUMAN	1	1	0	0	0	1	0	1	0	Primary	mit
USMG5_HUMAN	0	0	0	1	1	1	1	0	0	Primary	
VATE1_HUMAN	1	0	0	1	0	1	0	0	1	Primary	
XPP3_HUMAN	1	0	1	0	0	1	0	0	1	Primary	
AAT1_HUMAN	1	0	1	0	0	1	0	0	0	Primary	cyt, mit
ABCD1_HUMAN	0	0	0	1	1	1	0	0	0	Primary	per
ABCD3_HUMAN	0	0	0	1	1	1	0	0	0	Primary	per

ABHDA_HUMAN	0	0	1	0	1	0	1	0	0	Primary	
ACACA_HUMAN	0	0	0	1	1	1	0	0	0	Primary	cyt
ACBG1_HUMAN	0	0	1	1	0	1	0	0	0	Primary	
ACD10_HUMAN	1	0	0	0	1	1	0	0	0	Primary	
ACD11_HUMAN	1	0	0	0	1	1	0	0	0	Primary	
ACO13_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
ACSF3_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
ADCK1_HUMAN	0	0	0	1	0	1	0	0	1	Primary	
ADCK5_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
AGK_HUMAN	0	0	1	0	1	0	1	0	0	Primary	mit
AIBP_HUMAN	0	0	0	0	1	1	0	0	1	Primary	ext
AKIP_HUMAN	0	0	0	1	1	1	0	0	0	Primary	nuc
AL1A2_HUMAN	0	0	0	0	0	1	1	0	1	Primary	cyt
AL1A3_HUMAN	0	0	0	1	0	1	1	0	0	Primary	
AL1L2_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
AL3A2_HUMAN	1	0	0	1	1	0	0	0	0	Primary	end, cyt
ALKB7_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
APOOL_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
ARK72_HUMAN	1	0	0	0	1	1	0	0	0	Primary	
ARMC4_HUMAN	0	0	1	0	1	1	0	0	0	Primary	
AT1A1_HUMAN	0	0	1	0	0	1	1	0	0	Primary	
ATD3A_HUMAN	0	0	0	0	1	1	0	1	0	Primary	
ATD3B_HUMAN	0	0	0	0	1	1	0	1	0	Primary	
ATTY_HUMAN	0	0	0	1	0	1	1	0	0	Primary	
B2CL2_HUMAN	1	0	1	0	0	1	0	0	0	Primary	mit
B2L10_HUMAN	0	0	1	1	0	0	0	1	0	Primary	mit, nuc
BIG2_HUMAN	0	0	0	1	0	1	0	0	1	Primary	
BPHL_HUMAN	1	0	0	1	1	0	0	0	0	Primary	
CASP8_HUMAN	0	0	1	1	1	0	0	0	0	Primary	cyt
CATB_HUMAN	0	0	1	1	0	1	0	0	0	Primary	lys
CBAA1_HUMAN	1	0	0	0	1	0	0	0	1	Primary	
CCD56_HUMAN	0	0	0	1	0	1	1	0	0	Primary	
CCS_HUMAN	0	0	0	1	0	1	0	0	1	Primary	cyt
CDKAL_HUMAN	1	0	0	1	0	1	0	0	0	Primary	
CHC10_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
CHCH2_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
CLYBL_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
CQ090_HUMAN	1	0	0	0	1	0	0	0	1	Primary	
CV032_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
CX6B2_HUMAN	1	0	0	0	1	1	0	0	0	Primary	
D2HHDH_HUMAN	1	0	0	0	0	1	0	0	1	Primary	
DAPAL_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
DCXR_HUMAN	1	0	0	0	0	1	1	0	0	Primary	
DHPR_HUMAN	1	0	0	0	1	1	0	0	0	Primary	
DHRS1_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
DHRS4_HUMAN	0	0	0	1	1	1	0	0	0	Primary	per
DNJA2_HUMAN	0	0	0	1	0	1	0	0	1	Primary	
DRG2_HUMAN	0	0	0	1	1	1	0	0	0	Primary	cyt
ECHD2_HUMAN	1	0	0	1	0	1	0	0	0	Primary	
EXOG_HUMAN	1	0	0	0	1	1	0	0	0	Primary	imm, mit
FAAH2_HUMAN	1	0	0	1	0	1	0	0	0	Primary	
FAH2A_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
FASTK_HUMAN	0	0	1	1	1	0	0	0	0	Primary	
FTHFD_HUMAN	0	0	0	1	1	1	0	0	0	Primary	cyt
FUND2_HUMAN	0	0	1	0	1	0	1	0	0	Primary	
G3P_HUMAN	0	0	0	0	0	1	1	0	1	Primary	cyt, nuc
G6PI_HUMAN	0	0	0	1	0	1	1	0	0	Primary	cyt, ext
GLRX3_HUMAN	0	0	0	1	0	1	1	0	0	Primary	cyt, mem
GLYL1_HUMAN	0	1	0	1	0	1	0	0	0	Primary	
GMPPB_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
GOLI_HUMAN	0	0	1	0	0	1	0	1	0	Primary	
GPX1_HUMAN	0	0	0	0	1	1	1	0	0	Primary	cyt
GTPBA_HUMAN	1	0	0	1	0	1	0	0	0	Primary	nuc
HAOX2_HUMAN	0	0	0	1	1	1	0	0	0	Primary	per
HOT_HUMAN	0	0	0	1	1	1	0	0	1	Primary	
HSDL2_HUMAN	0	0	0	0	1	1	1	0	0	Primary	per
HXK4_HUMAN	0	0	1	1	0	1	0	0	0	Primary	
IF2P_HUMAN	0	0	0	1	0	1	0	0	1	Primary	
IPYR_HUMAN	0	0	1	1	0	1	0	0	0	Primary	
KAD1_HUMAN	0	0	0	1	0	1	1	0	0	Primary	cyt
KAT3_HUMAN	0	0	0	1	1	0	0	0	1	Primary	
LACB2_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
LDH6B_HUMAN	1	0	0	0	1	1	0	0	0	Primary	
LIPB_HUMAN	1	0	0	1	0	0	0	0	1	Primary	
LYRM2_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
M11D1_HUMAN	0	0	0	0	1	1	0	0	1	Primary	
MAAI_HUMAN	0	0	1	1	0	1	0	0	0	Primary	
MAVS_HUMAN	1	0	0	0	1	1	0	0	0	Primary	omm, mit
MCP62_HUMAN	1	0	0	0	0	1	0	1	0	Primary	
MIDA_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
MMAA_HUMAN	1	0	0	0	0	1	0	1	0	Primary	
MOCS1_HUMAN	1	0	0	1	0	1	0	0	0	Primary	
MOSC2_HUMAN	0	0	1	0	1	1	0	0	0	Primary	omm, mit
MTD2L_HUMAN	1	0	0	0	1	1	0	0	0	Primary	
MTG1_HUMAN	0	0	0	0	1	1	0	0	1	Primary	mit
MTRR_HUMAN	0	1	0	1	0	0	0	1	0	Primary	
NBSR1_HUMAN	0	0	0	0	1	1	1	0	0	Primary	

NDKB_HUMAN	0	0	0	0	1	1	1	0	0	Primary	cyt, nuc
NIT2_HUMAN	0	0	0	1	0	1	0	0	1	Primary	cyt
NPS3A_HUMAN	1	0	0	0	0	1	0	0	0	Primary	cyt, lys
NUBPL_HUMAN	1	0	0	1	1	0	0	0	0	Primary	
NUDT6_HUMAN	1	0	1	0	0	1	0	0	0	Primary	
OSGP2_HUMAN	0	0	0	0	1	1	0	0	1	Primary	
OXND1_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
PA21B_HUMAN	0	0	0	1	0	1	1	0	0	Primary	ext
PA2GA_HUMAN	0	0	0	1	0	1	1	0	0	Primary	
PAF_HUMAN	1	0	1	0	0	1	0	0	0	Primary	mit, nuc
PAK7_HUMAN	0	0	1	0	1	1	0	0	0	Primary	
PARK7_HUMAN	0	0	1	0	1	0	0	1	0	Primary	cyt, mit, nuc
PECI_HUMAN	0	0	1	0	1	0	1	0	0	Primary	per
PECR_HUMAN	1	0	0	1	0	1	0	0	0	Primary	per
PIN4_HUMAN	0	0	1	1	0	1	0	0	0	Primary	
PLCE_HUMAN	1	0	1	0	1	0	0	0	0	Primary	
PPIA_HUMAN	0	0	0	1	0	1	1	0	0	Primary	cyt
PPM1K_HUMAN	0	0	1	0	1	0	0	1	0	Primary	mit, mm
PRLD2_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
PROD2_HUMAN	1	0	0	0	1	1	0	0	0	Primary	
PTCD1_HUMAN	1	0	0	0	0	1	0	0	1	Primary	
PTCD3_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
PUR9_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
PX11B_HUMAN	1	0	0	0	1	1	0	0	0	Primary	per
PXMP2_HUMAN	0	0	0	1	1	1	0	0	0	Primary	per
PYR1_HUMAN	0	0	0	1	0	1	0	0	1	Primary	cyt
RIFK_HUMAN	1	0	0	0	1	0	0	0	1	Primary	
RL8_HUMAN	0	0	0	1	0	1	0	0	1	Primary	cyt
RMND1_HUMAN	1	0	0	1	1	0	0	0	0	Primary	
RMTL1_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
ROMO1_HUMAN	0	0	0	1	1	1	0	0	0	Primary	mit
RRMJ2_HUMAN	1	0	0	0	1	0	0	0	1	Primary	nuc
RS13_HUMAN	1	0	0	1	0	1	0	0	0	Primary	
RSAD1_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
RUSD1_HUMAN	1	0	0	1	0	1	0	0	0	Primary	
RUSD2_HUMAN	0	0	0	1	0	1	0	0	1	Primary	
S7A14_HUMAN	0	0	0	1	0	1	0	0	1	Primary	
SELB_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
SLMO1_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
SPRY4_HUMAN	1	0	0	0	1	0	1	0	0	Primary	
SRR_HUMAN	0	0	0	1	0	1	0	0	1	Primary	
SYAC_HUMAN	0	0	0	1	0	1	0	0	1	Primary	
SYAM_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
SYFA_HUMAN	0	0	0	1	0	1	0	0	1	Primary	
SYG_HUMAN	0	0	0	1	1	0	0	0	1	Primary	
SYIC_HUMAN	0	0	1	1	0	1	0	0	0	Primary	cyt
SYTC_HUMAN	0	0	0	1	0	1	0	0	1	Primary	cyt
SYTM_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
SYVM_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
T126A_HUMAN	0	0	1	0	1	0	1	0	0	Primary	
TCPH_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
TDRD5_HUMAN	0	0	0	1	0	1	0	0	1	Primary	
THEM5_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
THIK_HUMAN	0	0	0	1	1	1	0	0	0	Primary	per
TM143_HUMAN	0	0	1	0	1	0	1	0	0	Primary	
TM14C_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
TMM70_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
TO20L_HUMAN	1	0	0	1	0	1	0	0	0	Primary	
TRXR3_HUMAN	0	0	0	1	0	1	0	0	1	Primary	
TSPOB_HUMAN	0	0	1	0	1	0	1	0	0	Primary	
TSTD1_HUMAN	1	0	0	1	0	0	0	0	1	Primary	cyt, nuc
UXS1_HUMAN	0	0	0	1	1	1	0	0	0	Primary	
WBS16_HUMAN	1	0	1	0	1	0	0	0	0	Primary	
ZNT6_HUMAN	0	0	0	1	1	1	0	0	0	Primary	gol
1433E_HUMAN	0	1	0	0	0	0	1	0	0	Primary	
1433Z_HUMAN	0	0	0	0	0	1	1	0	0	Primary	cyt
3MG_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
5NT3_HUMAN	0	0	1	0	1	0	0	0	0	Primary	end
8ODP_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
AAA1_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
ABCA5_HUMAN	0	0	0	1	0	1	0	0	0	Primary	lys
ABCC9_HUMAN	0	0	1	0	0	0	0	0	1	Primary	
ABCD2_HUMAN	1	0	0	0	1	0	0	0	0	Primary	per
ACBG2_HUMAN	0	0	0	1	0	1	0	0	0	Primary	cyt
ACBP_HUMAN	0	0	1	0	0	1	0	0	0	Primary	
ACCN3_HUMAN	0	0	1	1	0	0	0	0	0	Primary	
ACLY_HUMAN	0	0	0	1	1	0	0	0	0	Primary	cyt
ACO11_HUMAN	1	0	0	1	0	0	0	0	0	Primary	cyt
ACSA_HUMAN	0	0	0	0	0	1	0	0	1	Primary	cyt
ACSF4_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
ACSM4_HUMAN	0	0	0	1	1	0	0	0	0	Primary	
ACSS3_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
ADAS_HUMAN	0	0	0	0	1	0	0	0	1	Primary	per
AL7A1_HUMAN	0	0	0	0	1	0	1	0	0	Primary	
AL9A1_HUMAN	0	0	0	1	1	0	0	0	0	Primary	
ALDOC_HUMAN	0	0	0	0	0	1	1	0	0	Primary	
ANX10_HUMAN	0	0	1	0	0	1	0	0	0	Primary	

APOO_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
APR_HUMAN	0	0	1	0	0	1	0	0	0	Primary	mit
ARAF_HUMAN	0	0	1	0	0	1	0	0	0	Primary	
ARK73_HUMAN	1	0	0	0	0	1	0	0	0	Primary	cyt
ASML_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
ASXL2_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
AT2L1_HUMAN	1	0	1	0	0	0	0	0	0	Primary	
AT5L2_HUMAN	1	0	0	0	0	1	0	0	0	Primary	
ATD3C_HUMAN	0	0	0	0	0	1	0	1	0	Primary	
B2L14_HUMAN	0	0	1	0	0	1	0	0	0	Primary	
BIK_HUMAN	0	0	1	0	0	1	0	0	0	Primary	cyt, nuc
C27C1_HUMAN	1	0	0	0	0	1	0	0	0	Primary	
CA151_HUMAN	0	0	0	0	1	0	1	0	0	Primary	
CASP4_HUMAN	0	0	1	0	0	0	0	0	1	Primary	
CASQ2_HUMAN	0	0	0	0	0	0	1	0	1	Primary	
CATD_HUMAN	0	0	0	0	0	1	1	0	0	Primary	lys
CC023_HUMAN	0	0	1	0	1	0	0	0	0	Primary	
CC108_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
CD014_HUMAN	0	0	0	0	1	1	0	0	0	Primary	
CG030_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
CHCH6_HUMAN	0	0	0	0	0	1	1	0	0	Primary	
CHCH7_HUMAN	0	0	0	0	1	0	0	0	1	Primary	
CHCH9_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
CI046_HUMAN	0	0	0	0	1	0	1	0	0	Primary	
CK5P1_HUMAN	1	0	0	1	0	0	0	0	0	Primary	
CLIC4_HUMAN	0	0	0	0	1	1	0	0	0	Primary	
CN153_HUMAN	0	0	0	0	1	1	0	0	0	Primary	
CNDP2_HUMAN	0	0	0	0	0	1	0	0	1	Primary	cyt
CNNM4_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
CRY2_HUMAN	0	0	0	0	0	1	0	0	1	Primary	cyt, nuc
CT007_HUMAN	0	0	0	1	0	1	0	0	0	Primary	imm, mit
CT072_HUMAN	1	0	0	0	1	0	0	0	0	Primary	
CTR1_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
CTR2_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
CTR3_HUMAN	0	0	0	1	0	1	0	0	0	Primary	mem
CTU1_HUMAN	0	0	0	0	1	0	0	0	1	Primary	cyt
CU057_HUMAN	0	0	0	1	1	0	0	0	0	Primary	
CX4NB_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
CYB5_HUMAN	0	0	1	0	0	1	0	0	0	Primary	cyt
CYBR1_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
D39U1_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
DCTN6_HUMAN	0	0	1	0	0	1	0	0	0	Primary	
DDX18_HUMAN	0	0	0	0	0	1	0	0	1	Primary	
DEPP_HUMAN	0	0	1	0	1	0	0	0	0	Primary	
DGLB_HUMAN	0	0	0	1	0	1	0	0	0	Primary	mem
DHRS2_HUMAN	0	0	0	1	0	1	0	0	0	Primary	nuc
DHRSX_HUMAN	1	0	0	0	0	1	0	0	0	Primary	
DHX29_HUMAN	0	0	0	0	1	0	0	0	1	Primary	
DIMT1_HUMAN	0	0	0	1	0	1	0	0	0	Primary	nuc
DISC1_HUMAN	0	0	1	1	0	0	0	0	0	Primary	cyt, cen, ske
DJC11_HUMAN	0	0	0	0	1	0	1	0	0	Primary	
DJC15_HUMAN	1	0	0	0	0	1	0	0	0	Primary	
DNJA1_HUMAN	0	1	0	0	0	0	0	1	0	Primary	
DPOLQ_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
DPYL2_HUMAN	0	0	1	0	0	1	0	0	0	Primary	
DR4L2_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
DYH11_HUMAN	0	0	0	0	0	1	0	0	1	Primary	
DYSI1_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
ECHP_HUMAN	1	0	0	0	1	0	0	0	0	Primary	per
EFHA1_HUMAN	1	0	0	0	0	1	0	0	0	Primary	
EFHD1_HUMAN	0	0	0	0	1	1	0	0	0	Primary	
EFR3A_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
ELN_HUMAN	0	0	1	0	1	0	0	0	0	Primary	ext
ERAL_HUMAN	1	0	0	1	0	0	0	0	0	Primary	
ESR2_HUMAN	0	0	0	1	0	1	0	0	0	Primary	nuc
F136A_HUMAN	0	0	0	0	1	1	0	0	0	Primary	
F162A_HUMAN	0	0	0	0	1	0	1	0	0	Primary	
F195A_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
FAH2B_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
FAKD3_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
FAS_HUMAN	0	0	0	1	1	0	0	0	0	Primary	cyt
FDXA1_HUMAN	1	0	0	0	0	0	0	0	1	Primary	
FLOT1_HUMAN	0	0	0	1	0	1	0	0	0	Primary	mem
FRAP_HUMAN	0	0	1	0	0	0	0	0	1	Primary	gol, end, cyt
FUCT1_HUMAN	0	0	0	1	0	1	0	0	0	Primary	gol
GCP60_HUMAN	0	0	0	0	0	1	0	1	0	Primary	
GELS_HUMAN	0	0	1	0	0	0	1	0	0	Primary	ext
GIDRP_HUMAN	0	1	0	0	0	0	0	1	0	Primary	
GLNA_HUMAN	0	0	1	0	0	1	0	0	0	Primary	cyt
GLYL2_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
GMPPA_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
GPDA_HUMAN	0	0	0	0	1	0	0	0	1	Primary	cyt
GRHPR_HUMAN	1	0	0	0	0	0	1	0	0	Primary	
GRP78_HUMAN	0	0	0	0	0	0	1	0	1	Primary	end
GRSF1_HUMAN	0	0	0	1	1	0	0	0	0	Primary	cyt
GSTO1_HUMAN	0	0	0	1	0	1	0	0	0	Primary	cyt
GTPB8_HUMAN	0	0	0	0	1	0	0	0	1	Primary	

GUAA_HUMAN	0	0	0	1	0	1	0	0	0	Primary	cyt
HAOX1_HUMAN	0	0	0	0	0	1	0	0	1	Primary	per
HBA_HUMAN	0	0	0	0	0	1	1	0	0	Primary	
HBB_HUMAN	0	0	0	0	0	1	1	0	0	Primary	
HBG2_HUMAN	0	1	0	0	0	0	1	0	0	Primary	
HDHD3_HUMAN	0	0	0	0	0	1	1	0	0	Primary	
HIG1A_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
HIG2B_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
HMCS1_HUMAN	0	0	0	1	0	1	0	0	0	Primary	cyt
HPDL_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
HSP71_HUMAN	0	1	0	0	0	0	1	0	0	Primary	cyt
HSPB1_HUMAN	0	0	0	1	0	1	0	0	0	Primary	cyt, ske, nuc
HSPB6_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
HSPB8_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
HSPB9_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
IFIT3_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
IMP3_HUMAN	0	1	0	0	0	0	1	0	0	Primary	nuc
IQCE_HUMAN	0	0	1	0	1	0	0	0	0	Primary	
K0564_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
K0664_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
KAT1_HUMAN	0	0	1	1	0	0	0	0	0	Primary	cyt
KCRB_HUMAN	0	0	1	0	0	1	0	0	0	Primary	cyt
KCY_HUMAN	0	0	0	1	0	1	0	0	0	Primary	cyt, nuc
KPYM_HUMAN	0	0	0	0	0	1	1	0	0	Primary	cyt, nuc
LAT1_HUMAN	0	0	0	1	0	1	0	0	0	Primary	cyt, mem
LAT1N_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
LCLT1_HUMAN	1	0	1	0	0	0	0	0	0	Primary	end
LDHA_HUMAN	0	0	0	0	1	1	0	0	0	Primary	cyt
LDHB_HUMAN	0	0	0	0	1	0	1	0	0	Primary	cyt
LYPA1_HUMAN	1	0	0	0	0	1	0	0	0	Primary	
LYPL1_HUMAN	1	0	0	0	0	0	1	0	0	Primary	
LYSC_HUMAN	0	0	0	0	0	1	1	0	0	Primary	
M17L2_HUMAN	0	0	0	1	1	0	0	0	0	Primary	
M3K5_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
MACD1_HUMAN	0	0	0	0	0	1	1	0	0	Primary	
MCAR2_HUMAN	1	0	1	0	0	0	0	0	0	Primary	
MCCD1_HUMAN	1	0	0	0	0	0	0	1	0	Primary	mit
MCL1_HUMAN	0	0	1	0	0	1	0	0	0	Primary	
MFSD8_HUMAN	1	0	0	0	0	0	0	0	1	Primary	lys
MK12_HUMAN	1	0	0	0	0	0	0	1	0	Primary	cyt, mit
MMAD_HUMAN	0	0	1	0	0	1	0	0	0	Primary	
MOCOS_HUMAN	1	0	0	0	0	1	0	0	0	Primary	
MOSC1_HUMAN	0	0	0	0	1	1	0	0	0	Primary	
MOT1_HUMAN	0	0	1	0	1	0	0	0	0	Primary	mem
MRP9_HUMAN	0	0	0	0	1	0	0	1	0	Primary	
MSRB3_HUMAN	0	0	1	0	0	1	0	0	0	Primary	end
MTCPB_HUMAN	0	0	1	0	1	0	0	0	0	Primary	
MTER2_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
MTX3_HUMAN	1	0	0	0	0	1	0	0	0	Primary	
MYL10_HUMAN	0	0	1	0	1	0	0	0	0	Primary	
NAPEP_HUMAN	1	0	0	0	0	0	0	0	1	Primary	
NCOA7_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
NDK3_HUMAN	0	0	1	0	1	0	0	0	0	Primary	
NDK8_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
NIF3L_HUMAN	0	0	0	0	1	0	0	0	1	Primary	cyt
NIT1_HUMAN	0	0	0	0	1	1	0	0	0	Primary	
NLRX1_HUMAN	0	0	0	0	1	0	1	0	0	Primary	omm, mit
NMES1_HUMAN	1	0	0	0	1	0	0	0	0	Primary	nuc
NRF1_HUMAN	0	1	0	0	0	0	0	1	0	Primary	nuc
NT5C_HUMAN	0	0	0	1	1	0	0	0	0	Primary	cyt
NUA4L_HUMAN	1	0	0	0	0	1	0	0	0	Primary	
NUBP2_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
OMA1_HUMAN	0	0	0	0	1	0	0	0	1	Primary	
P53_HUMAN	0	0	1	1	0	0	0	0	0	Primary	end, cyt, nuc
PAG15_HUMAN	0	0	1	0	1	0	0	0	0	Primary	
PANK1_HUMAN	0	0	0	1	0	1	0	0	0	Primary	cyt
PAPD1_HUMAN	0	0	1	0	1	0	0	0	0	Primary	cyt, mit
PDC6L_HUMAN	0	0	0	0	0	1	0	0	1	Primary	cyt, cen, ske
PDIA3_HUMAN	0	0	0	0	0	0	1	0	1	Primary	
PEBP1_HUMAN	0	0	0	0	0	0	1	0	1	Primary	
PEPL_HUMAN	1	0	1	0	0	0	0	0	0	Primary	
PERM_HUMAN	0	0	0	1	0	0	1	0	0	Primary	lys
PGK2_HUMAN	0	0	0	0	0	1	1	0	0	Primary	
PHIPL_HUMAN	0	0	1	0	1	0	0	0	0	Primary	
PHLP1_HUMAN	0	0	1	0	0	0	0	0	1	Primary	cyt, nuc
PHS2_HUMAN	0	0	0	1	1	0	0	0	0	Primary	
PI4KB_HUMAN	0	0	1	0	0	0	0	1	0	Primary	end, omm, mit
PIF1_HUMAN	1	0	0	0	0	0	0	0	1	Primary	nuc
PLD6_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
PPME1_HUMAN	0	0	0	0	0	1	0	0	1	Primary	
PRP6_HUMAN	0	1	0	0	0	0	1	0	0	Primary	nuc
PSA_HUMAN	0	0	1	0	0	0	0	0	1	Primary	
PSTK_HUMAN	0	0	0	1	1	0	0	0	0	Primary	
PTOR1_HUMAN	1	0	0	0	0	1	0	0	0	Primary	
PTOR2_HUMAN	1	0	0	0	1	0	0	0	0	Primary	
PTPS_HUMAN	0	0	1	0	1	0	0	0	0	Primary	
PUR8_HUMAN	0	0	0	1	1	0	0	0	0	Primary	

RAB17_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
RAB1B_HUMAN	0	0	0	0	1	0	1	0	0	Primary	cyt
RAB8B_HUMAN	0	0	0	0	1	0	0	0	1	Primary	
RAF1_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
RASH_HUMAN	0	0	1	0	0	0	0	0	1	Primary	gol, cyt, mem
RB11B_HUMAN	0	0	0	0	1	0	1	0	0	Primary	
RBFAL_HUMAN	1	0	0	0	0	1	0	0	0	Primary	
RDH13_HUMAN	0	0	0	0	1	0	1	0	0	Primary	
RFA2_HUMAN	0	0	0	0	0	0	1	0	1	Primary	nuc
RL10A_HUMAN	0	0	0	0	1	0	0	0	1	Primary	
RL11_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
RL12_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
RL3_HUMAN	0	0	0	1	0	1	0	0	0	Primary	cyt
RL34_HUMAN	1	0	0	0	1	0	0	0	0	Primary	
RM52_HUMAN	0	0	1	0	1	0	0	0	0	Primary	
RMD3_HUMAN	1	0	0	0	1	0	0	0	0	Primary	cyt, mit, ske, nuc
RPGF3_HUMAN	1	0	1	0	0	0	0	0	0	Primary	
RS16_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
RS23_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
RSSA_HUMAN	0	0	0	0	0	1	0	0	1	Primary	
RTN4_HUMAN	0	1	0	0	0	0	0	1	0	Primary	end
RUSD3_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
S12A1_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
S12A4_HUMAN	1	0	0	1	0	0	0	0	0	Primary	
S22A4_HUMAN	0	0	0	0	1	1	0	0	0	Primary	
S27A2_HUMAN	0	0	0	0	0	1	1	0	0	Primary	end, per
S35E3_HUMAN	1	0	0	0	0	0	0	1	0	Primary	
S7A13_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
SAP_HUMAN	0	0	0	1	0	1	0	0	0	Primary	lys
SC11C_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
SCLY_HUMAN	1	0	0	0	0	0	0	1	0	Primary	
SEBP2_HUMAN	0	0	1	0	1	0	0	0	0	Primary	
SGTA_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
SMC7L_HUMAN	0	0	1	0	1	0	0	0	0	Primary	
SPRE_HUMAN	0	0	0	0	1	0	1	0	0	Primary	cyt
SPTC3_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
STAR7_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
STAT3_HUMAN	0	0	1	0	0	0	0	0	1	Primary	cyt, nuc
STML3_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
STOM_HUMAN	0	0	0	1	0	1	0	0	0	Primary	cyt, mem
SYCM_HUMAN	0	0	0	1	1	0	0	0	0	Primary	
SYDC_HUMAN	0	0	0	1	0	1	0	0	0	Primary	cyt
SYEP_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
SYMC_HUMAN	0	0	0	0	1	0	0	0	1	Primary	
SYVC_HUMAN	0	0	0	0	0	1	0	0	1	Primary	
SYWC_HUMAN	0	0	0	1	0	1	0	0	0	Primary	cyt
TAZ_HUMAN	0	0	1	0	0	0	0	0	1	Primary	
TCPA_HUMAN	0	0	0	1	0	1	0	0	0	Primary	cyt
TCPB_HUMAN	0	0	0	1	0	1	0	0	0	Primary	cyt
TCPD_HUMAN	0	0	0	1	0	1	0	0	0	Primary	cyt
TCPE_HUMAN	0	0	0	1	0	1	0	0	0	Primary	cyt
TCPG_HUMAN	0	0	0	1	0	1	0	0	0	Primary	cyt
TCPW_HUMAN	0	0	0	1	0	1	0	0	0	Primary	cyt
TCPZ_HUMAN	0	0	0	1	0	1	0	0	0	Primary	cyt
TERT_HUMAN	0	0	1	0	0	1	0	0	0	Primary	nuc
TGDS_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
THEM4_HUMAN	0	0	0	0	1	0	0	0	1	Primary	cyt, mem
THG1_HUMAN	0	0	1	0	1	0	0	0	0	Primary	cyt, nuc
THIC_HUMAN	0	0	0	0	1	1	0	0	0	Primary	cyt
THNS1_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
THOP1_HUMAN	0	0	0	0	0	1	0	0	1	Primary	cyt
TM147_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
TM186_HUMAN	0	0	1	0	1	0	0	0	0	Primary	
TMEDA_HUMAN	0	0	0	0	0	1	1	0	0	Primary	
TMM65_HUMAN	0	0	0	0	1	0	1	0	0	Primary	
TPH2_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
TRM1L_HUMAN	1	0	0	0	0	1	0	0	0	Primary	
TRUB1_HUMAN	1	0	0	0	0	0	0	0	1	Primary	
TRY3_HUMAN	0	0	0	0	0	1	1	0	0	Primary	ext
TSH3_HUMAN	0	0	1	0	1	0	0	0	0	Primary	
TTC13_HUMAN	1	0	0	0	0	1	0	0	0	Primary	
TUSC2_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
TUT7_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
TYSD1_HUMAN	1	0	0	0	0	1	0	0	0	Primary	
UACA_HUMAN	0	0	0	0	0	1	0	0	1	Primary	cyt, ske, nuc
UCRIL_HUMAN	1	0	0	1	0	0	0	0	0	Primary	
VA0D1_HUMAN	1	0	0	0	0	0	0	0	1	Primary	
VATA_HUMAN	0	0	0	0	0	1	0	0	1	Primary	
VATB2_HUMAN	1	0	0	0	0	0	0	0	1	Primary	
VATC1_HUMAN	1	0	0	0	0	0	0	0	1	Primary	
VATD_HUMAN	1	0	0	0	0	0	0	0	1	Primary	
VATF_HUMAN	1	0	0	0	0	0	0	0	1	Primary	
VATG3_HUMAN	1	0	0	0	0	0	0	0	1	Primary	
VATH_HUMAN	1	0	0	0	0	0	0	0	1	Primary	
VATL_HUMAN	1	0	0	0	0	0	0	0	1	Primary	
VATO_HUMAN	1	0	0	0	0	0	0	0	1	Primary	
WVOX_HUMAN	0	0	1	0	0	1	0	0	0	Primary	gol, cyt, mit, nuc

XPR1_HUMAN	0	0	0	0	0	0	1	0	1	Primary	
YK019_HUMAN	1	0	0	0	0	0	0	1	0	Primary	
ZADH2_HUMAN	0	0	0	1	1	0	0	0	0	Primary	
ZNT9_HUMAN	0	0	0	1	0	1	0	0	0	Primary	
A1AT_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	ext
A2MG_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	ext
AACS_HUMAN	1	0	0	0	0	0	0	0	0	Secondary	
AAPK2_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
ABCD4_HUMAN	1	0	0	0	0	0	0	0	0	Secondary	per
ABL1_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	nuc
ACOC_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	cyt
ACOD_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
ACOT8_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	per
ACOX2_HUMAN	1	0	0	0	0	0	0	0	0	Secondary	per
ACOX3_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	
ACTA_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	cyt, ske
ACY2_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
ACYP2_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	
ADHX_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	cyt
ADPPT_HUMAN	1	0	0	0	0	0	0	0	0	Secondary	cyt
AICDA_HUMAN	1	0	0	0	0	0	0	0	0	Secondary	
AK1A1_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
AK1C3_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	cyt
AL3A1_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	cyt
AL3B1_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
ALBU_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	ext
ALDOA_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
ALDR_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	cyt
AMRP_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	end, cyt
ANM1_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	nuc
ANXA2_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	ext
ANXA5_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
AP4A_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	
APEX1_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	nuc
APOA1_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	ext
ARAP2_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
ASSY_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	
AT2A2_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	end
ATOX1_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
ATR_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	nuc
B2L11_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	mit
B2LA1_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	cyt
BAAT_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	cyt
BAK_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	
BASI_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
BCCIP_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	nuc
BCDO2_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
BDNF_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	ext
BIG1_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
BIN3_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	cyt, ske
BLK_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
BLMH_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	cyt
BMF_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
BNC1_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
BODG_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	cyt
BOK_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
BRCA1_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	cyt
CALX_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	end
CASP2_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
CASP3_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	cyt
CASP9_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
CD59_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	mem
CDGAP_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
CEBPZ_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	nuc
CLH1_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	cyt
CLN3_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	lys
CMGA_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	ext
CO2_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	ext
COMT_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	mem, ext
CP17A_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	
CP1A1_HUMAN	1	0	0	0	0	0	0	0	0	Secondary	end, mic
CP2CJ_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	end, mic
CP4AM_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	
CRYAB_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
CXA9_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	
CY24B_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	
DCE1_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	
DCHS_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
DCOR_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
DDX23_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	nuc
DESM_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	cyt
DHB1_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	cyt
DHB12_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	end
DHB2_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
DHI1_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	end
DHSO_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
DMPK_HUMAN	0	0	0	1	0	0	0	0	0	Secondary	

DNM1L_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	cyt
DPYD_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	cyt
DYHC1_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	cyt
DYN1_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	cyt, ske
EF1A2_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
EF1G_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
ENTK_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	
ERF1_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	cyt
EZRI_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	cyt, mem
F262_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
FABP4_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	cyt, nuc
FHIT_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	cyt
FHL2_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	cyt, nuc
FKB1A_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	cyt
FNBP2_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	
FPPS_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	cyt
FRIH_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	
GCH1_HUMAN	0	0	0	1	0	0	0	0	0	Secondary	cyt, nuc
GCR_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	nuc
GDIB_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
GDIR2_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	cyt
GLRX1_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	cyt
GNA12_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
GNSD_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	
GOGB1_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	gol
GPSM1_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	gol, end, cyt
GRB10_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
GRIK2_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	mem
GSTA4_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	cyt
GTR1_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
GTR4_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	cyt, nuc
HACL1_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	per
HAP1_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
HBD_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	
HELC1_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	cyt
HEM4_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
HINFP_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	nuc
HIRA_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	nuc
HMDH_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	end, per
HNRPK_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	cyt, nuc
HS90A_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	cyt
HSP72_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	
HSP7C_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	cyt
HXK3_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	
IKBA_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	cyt, nuc
IMPA1_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	cyt
INMT_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
IRAK1_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
IRK11_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
IRK8_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
ITB1_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
JAM1_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	mem
K1C18_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	mem
K2C8_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	cyt, nuc
K6PF_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	cyt
KAP3_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	
KAPCA_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	
KCRM_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	cyt
KGUA_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
KPCA_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	
KPCD_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
KPCD1_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	cyt, mem
KU70_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	nuc
KYNU_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	cyt
LAMA4_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	ext
LDH6A_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	cyt
LDHC_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	cyt
LMNA_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	nuc
LOXL4_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
LX15B_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
MAT2B_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	
MERL_HUMAN	1	0	0	0	0	0	0	0	0	Secondary	cyt, nuc
MGST3_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
MK09_HUMAN	0	0	0	1	0	0	0	0	0	Secondary	
MLH1_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	nuc
MSH3_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
MTHR_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
MYH7_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	cyt, ske
MYH9_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
MYPC3_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
NAC2_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
NCBP1_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	cyt, nuc
NCOR2_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	nuc
NDK6_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	
NDKA_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	cyt, nuc
NEIL2_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	nuc
NEP1_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	nuc

NF1_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
NFKB1_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	cyt, nuc
NMNA3_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	mit
NMT1_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	cyt
NOL3_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	cyt
NOX1_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
NQO1_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	cyt
NR4A1_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	nuc
NUD12_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	per
NUD18_HUMAN	1	0	0	0	0	0	0	0	0	Secondary	
NUDT5_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
OLA1_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
PA24A_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	cyt
PCKGC_HUMAN	0	1	0	0	0	0	0	0	0	Secondary	cyt
PDIA1_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	end
PERP_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	
PERT_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
PEX5R_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
PGAM2_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
PGK1_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	cyt
PGM2_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
PICK1_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	cyt, nuc
PK3C3_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
PKD2_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
PLCA_HUMAN	1	0	0	0	0	0	0	0	0	Secondary	
PLCB_HUMAN	1	0	0	0	0	0	0	0	0	Secondary	
PLCC_HUMAN	1	0	0	0	0	0	0	0	0	Secondary	
PLS1_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
PMS2_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	nuc
PP1G_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	cyt, nuc
PP2AA_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	cyt, cen, ske, nuc
PPCE_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	cyt
PPGB_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	lys
PPID_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	cyt
PPLA_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
PRDX4_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	cyt
PROSC_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	
PRS6A_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	
PSN1_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	gol, end
PTGES_HUMAN	1	0	0	0	0	0	0	0	0	Secondary	
PTN21_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
PTSS2_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
PUR2_HUMAN	0	0	0	1	0	0	0	0	0	Secondary	
PYRG1_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
PYRG2_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	
QORX_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
RAD50_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	nuc
RASK_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	cyt, mem
RB11A_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	mem
RBM12_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	nuc
RHG01_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	cyt
RHG08_HUMAN	1	0	0	0	0	0	0	0	0	Secondary	
RIR1_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	cyt
RIR2_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	cyt
RL27A_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
RL35A_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	
RL5_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	cyt, nuc
RL9_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
RNZ2_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	
RPC8_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	nuc
RPE_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
RS15_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
RS15A_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	
RS18_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	cyt
RS2_HUMAN	0	0	0	1	0	0	0	0	0	Secondary	
RS20_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
RS24_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
RS3A_HUMAN	0	1	0	0	0	0	0	0	0	Secondary	
RS5_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
S27A3_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	
S40A1_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	mem
SAP3_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	lys
SDHL_HUMAN	0	0	0	1	0	0	0	0	0	Secondary	cyt
SEC20_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	end
SELO_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
SIAS_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	
SIVA_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	cyt, nuc
SLC31_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	
SPNS1_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	imm, mit
SPTA2_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	cyt, ske
SPTB2_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
SPTC2_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	
STIP1_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
SYFB_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
SYHC_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	cyt
SYLC_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
SYNJ2_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	

SYRC_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	cyt
TAP1_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	end
TBA1B_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
TBB5_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
TERA_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	cyt, nuc
THNS2_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
TKT_HUMAN	1	0	0	0	0	0	0	0	0	Secondary	
TKTL2_HUMAN	1	0	0	0	0	0	0	0	0	Secondary	
TMM11_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	
TNF11_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
TOP2B_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	cyt, nuc
TPIS_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
TPP1_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	lys
TRIO_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	
TRXR1_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	cyt
TTHY_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	cyt, ext
TXND3_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	cyt
TYSY_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	
UBE3A_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	
UBIQ_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	cyt, nuc
UBQL1_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	cyt, nuc
UDB17_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	
VA0D2_HUMAN	1	0	0	0	0	0	0	0	0	Secondary	
VATB1_HUMAN	1	0	0	0	0	0	0	0	0	Secondary	
VATE2_HUMAN	1	0	0	0	0	0	0	0	0	Secondary	
VATG1_HUMAN	1	0	0	0	0	0	0	0	0	Secondary	
VHL_HUMAN	0	0	1	0	0	0	0	0	0	Secondary	cyt, nuc
VIME_HUMAN	0	0	0	0	0	0	1	0	0	Secondary	
VPP1_HUMAN	0	0	0	0	0	0	0	0	1	Secondary	cyt
VPP2_HUMAN	1	0	0	0	0	0	0	0	0	Secondary	mem
VPP3_HUMAN	0	0	0	0	1	0	0	0	0	Secondary	
WASF1_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	cyt, ske
WDR3_HUMAN	0	0	0	0	0	1	0	0	0	Secondary	nuc
1A1L1_HUMAN	1	0	0	0	0	0	0	0	0	-	
1A1L2_HUMAN	1	0	0	0	0	0	0	0	0	-	
3BP5L_HUMAN	1	0	0	0	0	0	0	0	0	-	
A16A1_HUMAN	1	0	0	0	0	0	0	0	0	-	
AACT_HUMAN	0	0	0	0	0	0	1	0	0	-	ext
ABCA4_HUMAN	0	0	0	0	0	1	0	0	0	-	
ABCA8_HUMAN	0	0	0	0	0	1	0	0	0	-	
ABCA9_HUMAN	0	0	0	0	1	0	0	0	0	-	
ABCAC_HUMAN	0	0	0	0	0	1	0	0	0	-	
ABCB5_HUMAN	0	0	0	0	0	0	0	1	0	-	mem
ABCCB_HUMAN	0	0	0	0	0	0	0	0	1	-	
ABCF1_HUMAN	0	0	0	0	0	0	0	0	1	-	
ABCG2_HUMAN	0	0	0	0	0	0	0	0	1	-	mem
ABHD1_HUMAN	0	0	0	0	0	0	0	0	1	-	
ABHD4_HUMAN	1	0	0	0	0	0	0	0	0	-	
ACATN_HUMAN	1	0	0	0	0	0	0	0	0	-	
ACOT1_HUMAN	1	0	0	0	0	0	0	0	0	-	cyt
ACOT6_HUMAN	1	0	0	0	0	0	0	0	0	-	cyt
ACSL6_HUMAN	0	0	0	0	0	1	0	0	0	-	
ACTN2_HUMAN	0	0	0	0	0	0	1	0	0	-	cyt
ADA30_HUMAN	0	0	0	0	0	0	0	0	1	-	
ADAM8_HUMAN	0	0	0	0	0	0	0	0	1	-	
ADNP2_HUMAN	0	0	0	0	0	0	0	0	1	-	
AEDO_HUMAN	0	0	0	0	1	0	0	0	0	-	
AGR2_HUMAN	0	0	0	0	1	0	0	0	0	-	
AHSA1_HUMAN	0	0	0	0	0	0	0	0	1	-	end, cyt
AK1C1_HUMAN	0	0	0	0	0	1	0	0	0	-	cyt
AK1C2_HUMAN	0	0	0	0	0	1	0	0	0	-	
AK1C4_HUMAN	0	0	0	0	0	1	0	0	0	-	cyt
AKD2_HUMAN	1	0	0	0	0	0	0	0	0	-	
AL1A1_HUMAN	0	0	0	0	0	1	0	0	0	-	cyt
AL3B2_HUMAN	0	0	0	0	0	0	1	0	0	-	
ALG14_HUMAN	0	0	0	0	0	1	0	0	0	-	
ALO17_HUMAN	0	0	0	0	0	1	0	0	0	-	
AN18B_HUMAN	0	0	0	0	0	0	0	0	1	-	
ANK36_HUMAN	0	0	0	0	0	1	0	0	0	-	
ANKR2_HUMAN	0	0	0	0	0	0	1	0	0	-	
ANR26_HUMAN	0	0	0	0	1	0	0	0	0	-	
ANR32_HUMAN	0	0	0	0	0	0	0	0	1	-	
ANS1A_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt
ANX11_HUMAN	0	0	0	0	0	0	1	0	0	-	cyt, nuc
ANXA1_HUMAN	0	0	0	0	0	0	1	0	0	-	
ANXA3_HUMAN	0	0	0	0	0	0	1	0	0	-	
ANXA6_HUMAN	0	0	0	0	0	0	1	0	0	-	
ANXA8_HUMAN	0	0	0	0	0	1	0	0	0	-	
AP1S1_HUMAN	0	0	0	0	0	1	0	0	0	-	gol, cyt
AP1S3_HUMAN	0	0	0	0	0	1	0	0	0	-	gol, cyt
AP2M1_HUMAN	0	0	0	0	0	1	0	0	0	-	cyt, mem
AP3B1_HUMAN	0	0	0	0	0	0	0	0	1	-	gol, cyt
APBB1_HUMAN	0	0	0	0	0	1	0	0	0	-	cyt, mem, nuc
APC10_HUMAN	0	0	0	0	0	0	0	0	1	-	
APOH_HUMAN	0	0	0	0	0	0	1	0	0	-	ext
APTX_HUMAN	1	0	0	0	0	0	0	0	0	-	nuc
ARC1A_HUMAN	0	0	0	0	0	1	0	0	0	-	

CG023_HUMAN	0	0	1	0	0	0	0	0	0	-	
CGNL1_HUMAN	0	0	0	0	0	0	0	0	1	-	
CH038_HUMAN	0	0	0	0	1	0	0	0	0	-	
CH082_HUMAN	0	0	0	0	1	0	0	0	0	-	
CHCH1_HUMAN	0	0	0	0	1	0	0	0	0	-	nuc
CHCH5_HUMAN	0	0	0	1	0	0	0	0	0	-	
CHCH8_HUMAN	0	0	0	0	0	0	0	0	1	-	
CHKB_HUMAN	0	0	1	0	0	0	0	0	0	-	
CI091_HUMAN	0	0	0	0	0	1	0	0	0	-	
CI093_HUMAN	0	0	0	0	0	0	0	0	1	-	
CI098_HUMAN	1	0	0	0	0	0	0	0	0	-	
CI102_HUMAN	1	0	0	0	0	0	0	0	0	-	
CI125_HUMAN	0	0	0	0	0	1	0	0	0	-	
CI164_HUMAN	0	0	0	0	0	1	0	0	0	-	
CIDEA_HUMAN	0	0	0	0	0	1	0	0	0	-	
CIDEB_HUMAN	0	0	1	0	0	0	0	0	0	-	
CISD3_HUMAN	0	0	0	1	0	0	0	0	0	-	mit
CJ058_HUMAN	0	0	0	0	1	0	0	0	0	-	
CJ062_HUMAN	1	0	0	0	0	0	0	0	0	-	
CJ067_HUMAN	0	0	0	0	0	1	0	0	0	-	
CJ071_HUMAN	0	0	0	0	0	1	0	0	0	-	
CJ118_HUMAN	0	0	0	0	0	0	0	0	1	-	
CK057_HUMAN	0	0	0	0	0	0	0	0	1	-	
CK5P2_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, cen, ske
CKAP2_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, ske
CKAP4_HUMAN	0	0	0	0	0	0	1	0	0	-	
CL034_HUMAN	0	0	0	0	0	1	0	0	0	-	
CL062_HUMAN	0	0	0	0	1	0	0	0	0	-	
CL064_HUMAN	0	0	0	0	0	1	0	0	0	-	
CLAT_HUMAN	0	0	0	0	1	0	0	0	0	-	
CLCC1_HUMAN	0	0	0	0	0	1	0	0	0	-	
CLIC1_HUMAN	0	0	0	0	0	0	1	0	0	-	
CLIP1_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, ske
CM039_HUMAN	0	0	0	0	0	0	0	0	1	-	
CMA1_HUMAN	0	0	0	0	0	0	1	0	0	-	cyt, ext
CMTD1_HUMAN	0	0	0	0	1	0	0	0	0	-	
CN057_HUMAN	0	0	0	0	0	1	0	0	0	-	
CN174_HUMAN	0	0	0	0	0	1	0	0	0	-	
CNO6L_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt
CNTLN_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, cen, ske
CO002_HUMAN	0	0	0	0	0	0	0	0	1	-	
CO041_HUMAN	0	0	0	0	0	1	0	0	0	-	
CO052_HUMAN	0	0	0	0	0	1	0	0	0	-	
CO061_HUMAN	0	0	0	1	0	0	0	0	0	-	
CO6A1_HUMAN	0	0	0	0	0	0	1	0	0	-	
COF2_HUMAN	0	0	0	0	0	0	1	0	0	-	
COJA1_HUMAN	0	0	0	0	0	0	0	0	1	-	
COLA1_HUMAN	0	0	0	0	0	1	0	0	0	-	cyt, ext
COX19_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt
COXAM_HUMAN	0	0	0	0	1	0	0	0	0	-	mit
CP007_HUMAN	0	0	0	0	0	0	1	0	0	-	
CP4X1_HUMAN	0	0	0	0	0	0	0	0	1	-	
CPN2_HUMAN	0	0	0	0	0	1	0	0	0	-	ext
CPNE4_HUMAN	0	0	0	0	0	1	0	0	0	-	
CPNE7_HUMAN	0	0	0	0	0	1	0	0	0	-	
CPXM1_HUMAN	0	0	0	0	0	1	0	0	0	-	
CQ039_HUMAN	0	0	0	0	0	0	0	0	1	-	
CQ049_HUMAN	0	0	0	0	0	1	0	0	0	-	
CQ089_HUMAN	0	0	0	0	1	0	0	0	0	-	
CRBN_HUMAN	0	0	0	0	0	0	0	1	0	-	
CS031_HUMAN	0	0	0	0	0	1	0	0	0	-	
CSTF1_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
CSTF3_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
CT024_HUMAN	0	0	0	0	1	0	0	0	0	-	
CT108_HUMAN	0	0	0	0	0	0	0	0	1	-	
CT118_HUMAN	0	0	0	1	0	0	0	0	0	-	
CTGE6_HUMAN	0	0	0	0	0	1	0	0	0	-	
CTR4_HUMAN	0	0	0	0	0	1	0	0	0	-	
CTTB2_HUMAN	0	0	0	0	0	0	0	0	1	-	
CU002_HUMAN	0	0	1	0	0	0	0	0	0	-	
CU129_HUMAN	0	0	0	0	0	1	0	0	0	-	
CUL7_HUMAN	0	0	0	0	0	1	0	0	0	-	cyt
CX04A_HUMAN	1	0	0	0	0	0	0	0	0	-	
CX04B_HUMAN	1	0	0	0	0	0	0	0	0	-	
CXCL2_HUMAN	0	0	0	0	0	1	0	0	0	-	ext
CXG3_HUMAN	0	0	0	0	0	1	0	0	0	-	
CY24A_HUMAN	0	0	0	0	0	1	0	0	0	-	
CY561_HUMAN	0	0	1	0	0	0	0	0	0	-	
CYCL_HUMAN	1	0	0	0	0	0	0	0	0	-	
D19L1_HUMAN	0	0	0	0	0	0	1	0	0	-	
DACT2_HUMAN	0	0	0	0	1	0	0	0	0	-	
DAZP1_HUMAN	0	0	0	0	0	1	0	0	0	-	
DCAKD_HUMAN	0	0	0	0	1	0	0	0	0	-	
DCPS_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, nuc
DD19A_HUMAN	0	0	0	0	0	0	0	0	1	-	
DDHD1_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt
DDX12_HUMAN	0	0	0	0	0	0	0	0	1	-	

DDX31_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
DESP_HUMAN	0	0	0	0	0	1	0	0	0	-	cyt, ske
DGAT2_HUMAN	0	0	0	0	0	0	0	1	0	-	end
DHB13_HUMAN	0	0	0	0	0	0	0	0	1	-	
DI3L2_HUMAN	0	0	0	0	0	0	0	0	1	-	
DIRA3_HUMAN	0	0	0	0	0	1	0	0	0	-	
DIRC1_HUMAN	0	0	0	0	0	1	0	0	0	-	
DJC27_HUMAN	0	0	0	0	1	0	0	0	0	-	
DLGP4_HUMAN	0	0	0	0	0	0	0	0	1	-	
DMXL1_HUMAN	0	0	0	0	0	0	0	0	1	-	
DNJB6_HUMAN	0	0	0	0	0	1	0	0	0	-	cyt, nuc
DNJC4_HUMAN	0	0	0	0	1	0	0	0	0	-	
DNL11_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
DNL13_HUMAN	0	0	1	0	0	0	0	0	0	-	nuc
DNLZ_HUMAN	0	0	0	0	0	0	0	0	1	-	
DOC11_HUMAN	0	0	0	0	0	0	0	0	1	-	
DOM3Z_HUMAN	0	0	0	0	0	1	0	0	0	-	
DOP1_HUMAN	0	0	0	0	0	0	0	0	1	-	
DPM1_HUMAN	0	0	0	0	0	0	0	0	1	-	end
DPOLN_HUMAN	0	0	0	1	0	0	0	0	0	-	nuc
DQX1_HUMAN	0	0	0	0	0	1	0	0	0	-	
DRS7B_HUMAN	0	0	0	0	0	0	0	0	1	-	
DSPP_HUMAN	0	0	0	0	0	0	0	0	1	-	ext
DUS1L_HUMAN	0	0	0	1	0	0	0	0	0	-	
DUS26_HUMAN	0	0	0	0	1	0	0	0	0	-	gol, cyt, nuc
DUS2L_HUMAN	0	0	0	0	1	0	0	0	0	-	end, cyt
DYHC2_HUMAN	0	0	0	0	0	0	0	0	1	-	
DYN2_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, mem, ske
EAA1_HUMAN	0	0	0	0	0	0	1	0	0	-	
EAA4_HUMAN	0	0	0	0	0	0	1	0	0	-	
ECHD1_HUMAN	1	0	0	0	0	0	0	0	0	-	
EFC4B_HUMAN	0	0	0	0	0	1	0	0	0	-	
EFCB2_HUMAN	0	0	0	0	0	1	0	0	0	-	
EFR1_HUMAN	0	0	0	0	0	1	0	0	0	-	
EGLN3_HUMAN	1	0	0	0	0	0	0	0	0	-	cyt, nuc
EHD2_HUMAN	0	0	0	0	0	0	1	0	0	-	cyt, mem
ELOA3_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
ELOV5_HUMAN	0	0	0	0	0	0	0	0	1	-	
ELP3_HUMAN	0	0	1	0	0	0	0	0	0	-	cyt, nuc
ERC2_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, ske
ERC6L_HUMAN	1	0	0	0	0	0	0	0	0	-	cen
EXO1_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
EYS_HUMAN	0	0	0	0	0	1	0	0	0	-	
F135B_HUMAN	0	0	0	0	0	0	0	0	1	-	
FA36A_HUMAN	0	0	0	0	1	0	0	0	0	-	
FA65C_HUMAN	0	0	0	0	1	0	0	0	0	-	
FA87B_HUMAN	0	0	0	0	0	1	0	0	0	-	
FABPH_HUMAN	0	0	0	0	0	0	1	0	0	-	cyt
FACD2_HUMAN	0	0	0	0	0	0	1	0	0	-	nuc
FAKD2_HUMAN	0	0	0	0	1	0	0	0	0	-	
FBN1_HUMAN	0	0	0	0	0	0	1	0	0	-	ext
FBW12_HUMAN	0	0	0	0	0	0	0	0	1	-	
FBX3_HUMAN	0	0	0	0	0	0	0	0	1	-	
FBX39_HUMAN	0	0	0	0	0	0	0	0	1	-	
FBXW7_HUMAN	0	0	0	0	0	0	0	0	1	-	
FHL1_HUMAN	0	0	0	0	0	0	1	0	0	-	cyt, nuc
FHL17_HUMAN	0	0	0	0	0	1	0	0	0	-	
FHL3_HUMAN	0	0	1	0	0	0	0	0	0	-	
FIG4_HUMAN	0	0	0	0	0	0	0	0	1	-	
FIGL1_HUMAN	0	0	0	0	0	0	0	1	0	-	
FITM2_HUMAN	0	0	0	0	1	0	0	0	0	-	end
FMO1_HUMAN	0	0	0	0	0	1	0	0	0	-	end, mic
FNIP2_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt
FOXK2_HUMAN	0	0	0	0	0	1	0	0	0	-	
FR1L6_HUMAN	0	0	0	0	0	0	0	0	1	-	
FRYL_HUMAN	0	0	0	0	0	1	0	0	0	-	
FSIP2_HUMAN	0	0	0	0	1	0	0	0	0	-	
FUS_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
FYV1_HUMAN	0	0	0	0	0	0	0	0	1	-	
G45IP_HUMAN	0	0	0	0	1	0	0	0	0	-	nuc
G6PT1_HUMAN	0	0	0	1	0	0	0	0	0	-	
GALC_HUMAN	0	0	0	0	1	0	0	0	0	-	lys
GARL3_HUMAN	0	0	0	0	0	0	0	0	1	-	
GATCL_HUMAN	0	0	0	0	1	0	0	0	0	-	
GBB4_HUMAN	0	0	0	0	0	0	1	0	0	-	
GBG5_HUMAN	0	0	0	0	1	0	0	0	0	-	
GCC2_HUMAN	0	0	0	0	0	0	0	0	1	-	gol, cyt
GCOM1_HUMAN	0	0	0	0	0	1	0	0	0	-	
GCP6_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, cen, ske
GDE_HUMAN	1	0	0	0	0	0	0	0	0	-	
GDPD3_HUMAN	0	0	0	0	0	0	0	0	1	-	
GGPPS_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt
GIMA1_HUMAN	1	0	0	0	0	0	0	0	0	-	end
GIMA2_HUMAN	1	0	0	0	0	0	0	0	0	-	
GIMA6_HUMAN	1	0	0	0	0	0	0	0	0	-	
GIMA8_HUMAN	1	0	0	0	0	0	0	0	0	-	
GLCTK_HUMAN	0	0	0	0	1	0	0	0	0	-	cyt, mit

GLE1_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, nuc
GLTL6_HUMAN	0	0	0	0	0	1	0	0	0	-	
GLYL3_HUMAN	0	0	0	0	0	1	0	0	0	-	
GLYR1_HUMAN	1	0	0	0	0	0	0	0	0	-	nuc
GNAS2_HUMAN	0	0	0	1	0	0	0	0	0	-	
GOGA4_HUMAN	0	0	0	0	0	0	0	0	1	-	gol, cyt
GOLI4_HUMAN	0	0	0	0	0	0	0	0	1	-	gol
GPAT2_HUMAN	1	0	0	0	0	0	0	0	0	-	
GPC5C_HUMAN	0	0	0	0	0	1	0	0	0	-	mem
GPD1L_HUMAN	0	0	0	0	0	0	1	0	0	-	cyt, mem
GPKOW_HUMAN	0	0	0	0	0	1	0	0	0	-	
GRAP_HUMAN	0	0	0	0	0	0	0	0	1	-	
GRCR1_HUMAN	1	0	0	0	0	0	0	0	0	-	
GRK4_HUMAN	0	0	1	0	0	0	0	0	0	-	cyt
GRN_HUMAN	0	0	0	0	0	1	0	0	0	-	ext
GTR9_HUMAN	0	0	0	0	0	0	0	0	1	-	
H17B6_HUMAN	0	0	0	0	0	0	1	0	0	-	mic
H1T_HUMAN	0	0	0	0	0	0	1	0	0	-	nuc
H2A1D_HUMAN	0	0	0	0	0	0	1	0	0	-	nuc
H2BFM_HUMAN	1	0	0	0	0	0	0	0	0	-	nuc
H6ST1_HUMAN	0	0	0	0	0	1	0	0	0	-	
H90B2_HUMAN	0	0	0	0	0	1	0	0	0	-	
H90B3_HUMAN	0	0	0	0	0	1	0	0	0	-	
H90B4_HUMAN	0	0	0	0	0	1	0	0	0	-	
HBM_HUMAN	0	0	0	0	0	1	0	0	0	-	
HBXIP_HUMAN	0	0	0	0	1	0	0	0	0	-	cyt
HDDC2_HUMAN	0	0	0	0	1	0	0	0	0	-	
HEAT1_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
HEBP1_HUMAN	0	0	0	0	0	1	0	0	0	-	cyt
HECD1_HUMAN	0	0	0	0	0	1	0	0	0	-	
HERC2_HUMAN	0	0	0	0	0	1	0	0	0	-	
HEXDC_HUMAN	0	0	0	0	0	1	0	0	0	-	
HEX12_HUMAN	0	0	0	0	0	1	0	0	0	-	nuc
HG2A_HUMAN	0	0	0	0	0	0	0	0	1	-	
HHAT_HUMAN	0	0	0	0	0	0	0	0	1	-	
HKDC1_HUMAN	1	0	0	0	0	0	0	0	0	-	
HMGB3_HUMAN	0	0	0	0	0	0	0	0	1	-	
HMGB4_HUMAN	0	0	0	0	0	0	0	0	1	-	
HOOK2_HUMAN	0	0	0	0	0	0	0	1	0	-	cyt, cen, ske
HPT_HUMAN	0	0	0	0	0	1	0	0	0	-	ext
HPTR_HUMAN	0	0	0	0	0	1	0	0	0	-	
HRC23_HUMAN	0	0	0	0	0	1	0	0	0	-	
HRSL2_HUMAN	0	0	0	0	0	1	0	0	0	-	
HS3S2_HUMAN	0	0	0	0	0	1	0	0	0	-	
HS3S5_HUMAN	0	0	0	0	0	1	0	0	0	-	
HS71L_HUMAN	0	0	0	0	0	0	1	0	0	-	
HSDL1_HUMAN	0	0	0	0	1	0	0	0	0	-	mit
HSF2B_HUMAN	0	0	0	0	0	1	0	0	0	-	
HSH2D_HUMAN	0	0	0	0	0	1	0	0	0	-	cyt, nuc
HSPB7_HUMAN	0	0	0	0	1	0	0	0	0	-	
HTAI2_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, nuc
HV308_HUMAN	1	0	0	0	0	0	0	0	0	-	
HYPK_HUMAN	0	0	0	0	0	1	0	0	0	-	
I5P2_HUMAN	0	0	1	0	0	0	0	0	0	-	
IDI1_HUMAN	0	0	0	0	1	0	0	0	0	-	per
IF4A3_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, nuc
IF4G3_HUMAN	0	0	0	0	0	0	0	0	1	-	
IF16_HUMAN	0	0	1	0	0	0	0	0	0	-	
IFRD2_HUMAN	0	0	0	0	0	0	0	0	1	-	
IFT74_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt
IGFL4_HUMAN	0	0	0	0	0	1	0	0	0	-	
IGKC_HUMAN	0	0	0	0	0	0	1	0	0	-	
IKIP_HUMAN	0	0	0	0	0	0	0	0	1	-	end
IKZF5_HUMAN	0	0	0	0	0	1	0	0	0	-	
INCE_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, cen, ske, nuc
INHA_HUMAN	0	0	0	0	0	0	0	0	1	-	ext
IP6K2_HUMAN	0	0	1	0	0	0	0	0	0	-	nuc
IQCF1_HUMAN	0	0	0	0	0	1	0	0	0	-	
IQUB_HUMAN	0	0	1	0	0	0	0	0	0	-	
IRAK4_HUMAN	0	0	0	0	0	0	0	0	1	-	
IREB2_HUMAN	0	0	0	0	1	0	0	0	0	-	cyt
IRG1_HUMAN	0	0	0	0	0	0	0	0	1	-	
IRK12_HUMAN	1	0	0	0	0	0	0	0	0	-	
IRK14_HUMAN	1	0	0	0	0	0	0	0	0	-	
IRK16_HUMAN	1	0	0	0	0	0	0	0	0	-	
IRK3_HUMAN	1	0	0	0	0	0	0	0	0	-	
IRK4_HUMAN	1	0	0	0	0	0	0	0	0	-	
IRK5_HUMAN	1	0	0	0	0	0	0	0	0	-	
IRK6_HUMAN	1	0	0	0	0	0	0	0	0	-	
IRK9_HUMAN	1	0	0	0	0	0	0	0	0	-	
ISOC2_HUMAN	0	0	0	0	0	1	0	0	0	-	
ISY1_HUMAN	0	0	1	0	0	0	0	0	0	-	
ITPK1_HUMAN	0	0	0	0	0	0	0	1	0	-	
IWS1_HUMAN	0	0	0	0	0	0	0	0	1	-	
K0100_HUMAN	0	0	0	0	0	0	0	0	1	-	
K0141_HUMAN	0	0	0	0	1	0	0	0	0	-	
K0586_HUMAN	0	0	0	0	0	0	0	0	1	-	

K1109_HUMAN	0	0	0	0	0	0	0	0	1	-	
K1648_HUMAN	0	0	0	0	0	1	0	0	0	-	
K1683_HUMAN	0	0	1	0	0	0	0	0	0	-	
K1967_HUMAN	0	0	1	0	0	0	0	0	0	-	
K2C5_HUMAN	0	0	0	0	1	0	0	0	0	-	
K2C6A_HUMAN	0	0	0	0	0	1	0	0	0	-	
K2C6B_HUMAN	0	0	0	0	0	1	0	0	0	-	
K2C6C_HUMAN	0	0	0	0	0	1	0	0	0	-	
K2C75_HUMAN	0	0	0	0	0	0	0	0	1	-	
KAPCG_HUMAN	0	0	0	0	0	1	0	0	0	-	
KI20B_HUMAN	0	0	0	0	0	1	0	0	0	-	cyt, ske, nuc
KI2S2_HUMAN	0	0	0	0	0	0	0	0	1	-	mem
KIF15_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, ske
KIF1A_HUMAN	0	0	0	0	0	0	0	0	1	-	
KIF4B_HUMAN	0	0	0	0	0	1	0	0	0	-	
KIF5A_HUMAN	0	0	1	0	0	0	0	0	0	-	
KIF5C_HUMAN	0	0	0	0	0	0	0	0	1	-	
KIN17_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, nuc
KINH_HUMAN	0	0	1	0	0	0	0	0	0	-	
KS6C1_HUMAN	0	0	0	0	0	0	1	0	0	-	cyt
KSR1_HUMAN	0	0	0	0	0	1	0	0	0	-	
KTEL1_HUMAN	0	0	0	0	0	0	0	0	1	-	end
LAMA3_HUMAN	0	0	0	0	0	0	0	0	1	-	ext
LAMA5_HUMAN	0	0	0	0	0	1	0	0	0	-	ext
LAMB4_HUMAN	0	0	0	0	0	0	0	0	1	-	ext
LAMC1_HUMAN	0	0	0	0	0	0	0	0	1	-	ext
LARGE_HUMAN	0	0	0	0	0	1	0	0	0	-	gol
LARP6_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, nuc
LAT1M_HUMAN	0	0	0	0	0	1	0	0	0	-	
LBA1_HUMAN	0	0	0	0	0	0	0	0	1	-	
LDB3_HUMAN	0	0	0	0	0	0	1	0	0	-	cyt, ske, nuc
LEG12_HUMAN	0	0	0	0	0	1	0	0	0	-	nuc
LETM2_HUMAN	1	0	0	0	0	0	0	0	0	-	
LGAT1_HUMAN	1	0	0	0	0	0	0	0	0	-	end
LGR5_HUMAN	0	0	0	0	0	0	0	0	1	-	mem
LIGO1_HUMAN	0	0	0	0	0	0	0	0	1	-	
LIRB1_HUMAN	0	0	0	0	0	0	0	0	1	-	
LMA2L_HUMAN	1	0	0	0	0	0	0	0	0	-	gol, end
LONF1_HUMAN	0	0	0	0	0	0	0	1	0	-	
LPIN3_HUMAN	0	0	0	0	0	0	0	0	1	-	
LRC24_HUMAN	0	0	0	0	0	1	0	0	0	-	
LRC31_HUMAN	0	0	0	0	0	0	0	0	1	-	
LRC40_HUMAN	0	0	0	0	0	1	0	0	0	-	
LRC59_HUMAN	0	0	0	0	0	1	0	0	0	-	
LRCH4_HUMAN	0	0	0	0	0	0	1	0	0	-	
LRIQ1_HUMAN	0	0	0	0	0	0	0	0	1	-	
LRP5_HUMAN	0	0	0	0	0	1	0	0	0	-	
LRRT1_HUMAN	0	0	0	0	0	0	1	0	0	-	
LST8_HUMAN	0	0	0	0	0	0	0	0	1	-	
LYRM5_HUMAN	0	0	0	0	1	0	0	0	0	-	
MA1A2_HUMAN	0	0	0	0	0	0	0	0	1	-	gol
MACD2_HUMAN	1	0	0	0	0	0	0	0	0	-	
MACF1_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, ske
MACO1_HUMAN	0	0	0	0	0	0	0	0	1	-	
MAGB1_HUMAN	0	0	0	0	0	0	1	0	0	-	
MAP1A_HUMAN	0	0	0	0	0	1	0	0	0	-	
MAP1B_HUMAN	0	0	0	0	0	0	0	0	1	-	
MARH5_HUMAN	0	0	0	0	0	0	1	0	0	-	omm, mit
MCP_HUMAN	0	0	0	0	0	1	0	0	0	-	cyt
MCTP1_HUMAN	0	0	0	0	0	0	0	0	1	-	
MDN1_HUMAN	0	0	0	0	0	0	0	0	1	-	
MED13_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
MEG11_HUMAN	0	0	0	0	0	1	0	0	0	-	mem
MENTO_HUMAN	1	0	0	0	0	0	0	0	0	-	
MEST_HUMAN	0	0	0	0	0	1	0	0	0	-	
MET7A_HUMAN	0	0	0	0	0	0	0	0	1	-	end
MET7B_HUMAN	0	0	0	0	0	1	0	0	0	-	
MFS10_HUMAN	0	0	0	0	0	0	0	0	1	-	
MFSD3_HUMAN	1	0	0	0	0	0	0	0	0	-	
MIA3_HUMAN	0	0	0	0	0	1	0	0	0	-	end
MINP1_HUMAN	0	0	0	0	0	1	0	0	0	-	
MINT_HUMAN	0	0	0	0	0	1	0	0	0	-	nuc
MK07_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, nuc
MLH3_HUMAN	0	0	0	0	0	0	0	0	1	-	
MLL3_HUMAN	0	0	0	0	0	0	0	0	1	-	
MMAC_HUMAN	0	0	0	0	1	0	0	0	0	-	
MOBP_HUMAN	0	0	0	0	0	1	0	0	0	-	
MOES_HUMAN	0	0	0	0	0	0	1	0	0	-	
MOT12_HUMAN	0	0	0	0	0	0	0	0	1	-	
MRP1_HUMAN	0	0	0	0	0	0	0	0	1	-	mem
MRRP1_HUMAN	0	0	0	0	1	0	0	0	0	-	mit
MS11H_HUMAN	0	0	0	0	0	0	0	0	1	-	
MSS4_HUMAN	0	0	0	0	0	0	0	0	1	-	
MT1H_HUMAN	0	0	1	0	0	0	0	0	0	-	
MT3_HUMAN	0	0	1	0	0	0	0	0	0	-	
MUC1_HUMAN	0	0	1	0	0	0	0	0	0	-	mem
MUC12_HUMAN	0	0	0	0	0	1	0	0	0	-	

MXRA7_HUMAN	1	0	0	0	0	0	0	0	0	-	
MYH11_HUMAN	0	0	0	0	0	0	0	0	1	-	
MYH13_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, ske
MYH3_HUMAN	0	0	0	0	0	0	1	0	0	-	cyt, ske
MYH4_HUMAN	0	0	0	0	0	0	1	0	0	-	cyt, ske
MYH6_HUMAN	0	0	0	0	0	0	1	0	0	-	cyt, ske
MYOME_HUMAN	0	0	0	0	0	0	0	0	1	-	
MYP2_HUMAN	0	0	0	0	0	0	1	0	0	-	
NADK_HUMAN	0	0	0	0	0	0	0	0	1	-	
NAT8B_HUMAN	0	0	0	0	0	1	0	0	0	-	
NBEL1_HUMAN	0	0	0	0	0	0	0	0	1	-	
NCOA4_HUMAN	0	0	0	0	1	0	0	0	0	-	
NDC80_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
NDST1_HUMAN	0	0	0	0	0	1	0	0	0	-	gol
NDST2_HUMAN	0	0	0	0	0	1	0	0	0	-	
NDUF4_HUMAN	0	0	0	0	1	0	0	0	0	-	mit
NELF_HUMAN	1	0	0	0	0	0	0	0	0	-	mem
NEUR4_HUMAN	0	0	0	0	1	0	0	0	0	-	lys
NFH_HUMAN	0	0	0	0	0	1	0	0	0	-	
NFXL1_HUMAN	0	0	0	0	1	0	0	0	0	-	
NFYA_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
NFYB_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
NFYC_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
NGAL_HUMAN	0	0	0	0	0	0	1	0	0	-	ext
NGB_HUMAN	0	0	0	0	0	0	0	0	1	-	
NGLY1_HUMAN	0	0	0	0	0	1	0	0	0	-	cyt
NGRN_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
NHDC1_HUMAN	1	0	0	0	0	0	0	0	0	-	
NHDC2_HUMAN	0	0	0	0	0	0	0	0	1	-	
NKTR_HUMAN	0	0	0	0	0	0	0	0	1	-	
NOC4L_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
NOP14_HUMAN	0	0	0	0	0	0	0	0	1	-	
NR4A3_HUMAN	0	0	0	0	0	0	0	0	1	-	
NRDC_HUMAN	0	0	0	1	0	0	0	0	0	-	
NSMA_HUMAN	0	0	0	0	0	1	0	0	0	-	
NTRK2_HUMAN	0	0	0	0	0	0	0	0	1	-	
NUD13_HUMAN	0	0	0	0	1	0	0	0	0	-	
NUD17_HUMAN	0	0	0	0	0	1	0	0	0	-	
NUD19_HUMAN	1	0	0	0	0	0	0	0	0	-	
NUP43_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
NUP54_HUMAN	0	0	0	0	0	1	0	0	0	-	
NUPL2_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, nuc
NUSAP_HUMAN	0	0	0	0	0	0	1	0	0	-	
OCAD1_HUMAN	0	0	0	0	1	0	0	0	0	-	
OCAD2_HUMAN	0	0	0	0	0	1	0	0	0	-	
OCTC_HUMAN	0	0	0	0	1	0	0	0	0	-	
OGT1_HUMAN	0	0	1	0	0	0	0	0	0	-	
OR4D5_HUMAN	0	0	0	0	0	0	0	0	1	-	mem
OR8B4_HUMAN	0	0	0	0	0	1	0	0	0	-	mem
OSBP1_HUMAN	0	0	0	0	0	0	0	0	1	-	gol, cyt
OVOS1_HUMAN	0	0	0	0	0	1	0	0	0	-	
PACRG_HUMAN	0	0	0	0	1	0	0	0	0	-	
PACS2_HUMAN	0	0	1	0	0	0	0	0	0	-	end, mit
PAHX_HUMAN	0	0	0	0	1	0	0	0	0	-	per
PAL4B_HUMAN	0	0	0	0	0	1	0	0	0	-	
PAPD5_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, nuc
PAR12_HUMAN	0	0	0	0	0	0	0	0	1	-	
PCD23_HUMAN	0	0	0	0	0	0	0	0	1	-	
PCDB1_HUMAN	0	0	0	0	0	0	0	0	1	-	
PCLO_HUMAN	0	0	0	0	0	0	0	0	1	-	
PDE12_HUMAN	0	0	0	0	1	0	0	0	0	-	
PGM1_HUMAN	0	0	0	0	0	0	1	0	0	-	cyt
PGRC1_HUMAN	0	0	0	0	0	1	0	0	0	-	
PHF12_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
PHLP2_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, nuc
PI4KA_HUMAN	0	0	0	0	0	0	0	0	1	-	
PIBF1_HUMAN	0	0	0	0	0	0	0	0	1	-	
PIGW_HUMAN	0	0	0	0	0	0	0	0	1	-	
PIGY_HUMAN	0	0	0	0	1	0	0	0	0	-	end
PIMT_HUMAN	0	0	0	0	0	0	1	0	0	-	cyt
PIWL4_HUMAN	0	0	0	0	0	1	0	0	0	-	
PKN3_HUMAN	0	0	0	0	0	1	0	0	0	-	cyt, nuc
PLCD_HUMAN	1	0	0	0	0	0	0	0	0	-	
PLDN_HUMAN	0	0	1	0	0	0	0	0	0	-	cyt
PLM_HUMAN	0	0	0	0	0	0	1	0	0	-	
PLP2_HUMAN	0	0	0	0	0	0	1	0	0	-	
PLPL6_HUMAN	0	0	1	0	0	0	0	0	0	-	end, cyt
PLS3_HUMAN	0	0	1	0	0	0	0	0	0	-	
PLST_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt
PMS1_HUMAN	0	0	0	0	0	0	0	0	1	-	
PODO_HUMAN	0	0	0	1	0	0	0	0	0	-	
POMT1_HUMAN	0	0	0	0	0	1	0	0	0	-	end
POMT2_HUMAN	0	0	0	0	0	0	0	0	1	-	end
PON3_HUMAN	0	0	0	0	0	1	0	0	0	-	
POP1_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
POP5_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
PPAP_HUMAN	0	0	0	0	0	0	0	0	1	-	

PPIB_HUMAN	0	0	0	0	0	0	1	0	0	-	end
PREY_HUMAN	0	0	0	0	1	0	0	0	0	-	
PRIC4_HUMAN	0	0	0	0	1	0	0	0	0	-	
PRODL_HUMAN	1	0	0	0	0	0	0	0	0	-	
PROF1_HUMAN	0	0	0	0	0	0	1	0	0	-	cyt, ske
PRS35_HUMAN	0	0	0	0	1	0	0	0	0	-	
PRSL1_HUMAN	0	0	0	0	0	1	0	0	0	-	
PSA7_HUMAN	0	0	0	0	0	0	1	0	0	-	cyt, nuc
PSG8_HUMAN	0	0	0	0	0	1	0	0	0	-	
PSG9_HUMAN	0	0	0	0	0	1	0	0	0	-	
PSME1_HUMAN	0	0	0	0	0	0	1	0	0	-	
PSME4_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
PTGR2_HUMAN	0	0	0	0	1	0	0	0	0	-	
PTH1_HUMAN	0	0	0	0	0	1	0	0	0	-	
PTH2_HUMAN	0	0	0	0	0	0	0	0	1	-	
PTPM1_HUMAN	0	0	0	1	0	0	0	0	0	-	
PTPRS_HUMAN	0	0	0	0	0	0	0	0	1	-	
PTRF_HUMAN	0	0	0	0	0	0	0	1	0	-	mem, mic
PUS3_HUMAN	0	0	0	0	0	0	0	0	1	-	
PUS7_HUMAN	0	0	0	0	0	0	0	0	1	-	
PYGM_HUMAN	0	0	0	0	0	0	1	0	0	-	
PYRD2_HUMAN	1	0	0	0	0	0	0	0	0	-	
QIL1_HUMAN	0	0	0	0	1	0	0	0	0	-	
QOR_HUMAN	0	0	0	0	0	0	1	0	0	-	cyt
QTRD1_HUMAN	0	0	0	0	0	0	0	0	1	-	
R3HD2_HUMAN	0	0	0	0	0	0	0	0	1	-	
R51A2_HUMAN	0	0	0	0	0	0	0	0	1	-	
RAB10_HUMAN	0	0	0	0	0	0	1	0	0	-	
RAB14_HUMAN	0	0	0	0	0	0	1	0	0	-	
RAB15_HUMAN	0	0	0	0	0	0	1	0	0	-	
RAB21_HUMAN	0	0	0	0	0	0	1	0	0	-	
RAB24_HUMAN	0	0	0	0	1	0	0	0	0	-	
RAB2A_HUMAN	0	0	0	0	0	0	1	0	0	-	gol, end
RAB31_HUMAN	0	0	1	0	0	0	0	0	0	-	
RAB38_HUMAN	1	0	0	0	0	0	0	0	0	-	
RAB3D_HUMAN	0	0	0	0	1	0	0	0	0	-	
RAB43_HUMAN	0	0	1	0	0	0	0	0	0	-	
RAB4B_HUMAN	0	0	0	0	1	0	0	0	0	-	
RAB5B_HUMAN	0	0	0	0	0	0	1	0	0	-	cyt, mem
RAB5C_HUMAN	0	0	0	0	0	0	1	0	0	-	
RAB7A_HUMAN	0	0	0	0	0	0	1	0	0	-	cyt, lys
RAB7L_HUMAN	1	0	0	0	0	0	0	0	0	-	
RAD26_HUMAN	1	0	0	0	0	0	0	0	0	-	
RAD52_HUMAN	0	0	0	0	0	0	0	0	1	-	
RAI1_HUMAN	0	0	0	0	0	0	0	0	1	-	
RAN_HUMAN	0	0	1	0	0	0	0	0	0	-	cyt, nuc
RAP1B_HUMAN	0	0	0	0	0	0	1	0	0	-	cyt, mem
RAYL_HUMAN	0	0	0	1	0	0	0	0	0	-	
RB33B_HUMAN	0	0	0	0	0	0	1	0	0	-	
RBAK_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
RBGPR_HUMAN	0	0	1	0	0	0	0	0	0	-	cyt
RBM24_HUMAN	1	0	0	0	0	0	0	0	0	-	
RBM38_HUMAN	1	0	0	0	0	0	0	0	0	-	cyt, nuc
RBM9_HUMAN	0	0	0	0	0	0	0	0	1	-	
RCAS1_HUMAN	0	0	0	0	0	0	0	0	1	-	gol
RCBT2_HUMAN	0	0	0	0	0	0	0	0	1	-	
RCL1_HUMAN	1	0	0	0	0	0	0	0	0	-	
RD3_HUMAN	0	0	1	0	0	0	0	0	0	-	
RDH14_HUMAN	0	0	0	0	1	0	0	0	0	-	
RDH16_HUMAN	0	0	0	0	0	1	0	0	0	-	end, mic
RENH_HUMAN	1	0	0	0	0	0	0	0	0	-	
RET2_HUMAN	0	0	1	0	0	0	0	0	0	-	cyt
RETST_HUMAN	1	0	0	0	0	0	0	0	0	-	
RFPL1_HUMAN	0	0	0	0	0	1	0	0	0	-	
RFT1_HUMAN	0	0	0	0	0	0	0	0	1	-	
RGDSR_HUMAN	0	0	1	0	0	0	0	0	0	-	
RGPD4_HUMAN	0	0	0	0	0	0	0	0	1	-	
RHCE_HUMAN	0	0	0	0	0	0	0	0	1	-	
RHG05_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt
RHG22_HUMAN	0	0	0	0	0	1	0	0	0	-	
RHOA_HUMAN	0	0	0	0	1	0	0	0	0	-	cyt, mem, ske
RHOU_HUMAN	0	0	0	0	0	0	0	0	1	-	gol, cyt, mem
RIC8A_HUMAN	0	0	0	0	0	0	0	0	1	-	
RICTR_HUMAN	0	0	0	0	0	0	0	0	1	-	
RILP_HUMAN	0	0	0	0	1	0	0	0	0	-	
RIM3A_HUMAN	1	0	0	0	0	0	0	0	0	-	
RIMKA_HUMAN	0	0	0	0	0	0	0	1	0	-	
RIMKB_HUMAN	0	0	0	0	0	0	0	1	0	-	
RIPK3_HUMAN	0	0	1	0	0	0	0	0	0	-	
RMD2_HUMAN	1	0	0	0	0	0	0	0	0	-	
RN150_HUMAN	0	0	0	0	0	1	0	0	0	-	
RN220_HUMAN	0	0	0	0	0	1	0	0	0	-	
RNF31_HUMAN	0	0	0	0	0	0	0	0	1	-	
RNF44_HUMAN	0	0	0	0	0	1	0	0	0	-	
RNT2_HUMAN	0	0	0	0	0	1	0	0	0	-	
RPAP3_HUMAN	0	0	0	0	0	0	1	0	0	-	
RPN1_HUMAN	0	0	0	0	0	0	1	0	0	-	end

RPP21_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
RPP29_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
RPP30_HUMAN	0	0	0	0	0	0	0	0	1	-	
RRMJ3_HUMAN	0	0	0	0	0	0	0	1	0	-	nuc
RRP12_HUMAN	0	0	0	0	0	1	0	0	0	-	
RRP44_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, nuc
RRP5_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
RSPH9_HUMAN	0	0	0	0	0	0	0	1	0	-	
S12A5_HUMAN	1	0	0	0	0	0	0	0	0	-	
S12A7_HUMAN	0	0	0	1	0	0	0	0	0	-	
S13A5_HUMAN	1	0	0	0	0	0	0	0	0	-	
S14L1_HUMAN	0	0	0	0	0	1	0	0	0	-	
S1PR5_HUMAN	0	0	0	0	0	0	0	0	1	-	mem
S20A1_HUMAN	1	0	0	0	0	0	0	0	0	-	
S20A2_HUMAN	1	0	0	0	0	0	0	0	0	-	mem
S35B3_HUMAN	0	0	0	0	0	1	0	0	0	-	gol
S35D1_HUMAN	1	0	0	0	0	0	0	0	0	-	end
S35D2_HUMAN	0	0	0	0	0	0	0	0	1	-	gol
S35E1_HUMAN	1	0	0	0	0	0	0	0	0	-	
S35E2_HUMAN	1	0	0	0	0	0	0	0	0	-	
S35E4_HUMAN	1	0	0	0	0	0	0	0	0	-	
S38A2_HUMAN	0	0	0	0	0	0	1	0	0	-	mem
S38A3_HUMAN	0	0	0	0	0	0	1	0	0	-	
S45A3_HUMAN	0	0	0	0	0	1	0	0	0	-	
SAC1_HUMAN	0	0	0	0	0	0	0	0	1	-	
SAMP_HUMAN	0	0	0	0	0	0	1	0	0	-	ext
SART3_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, nuc
SC5D_HUMAN	0	0	0	0	0	0	0	0	1	-	
SC61G_HUMAN	0	0	0	0	0	0	0	0	1	-	
SCAM4_HUMAN	0	0	0	0	0	0	0	0	1	-	
SCN7A_HUMAN	0	0	0	0	0	0	0	0	1	-	
SCPDH_HUMAN	0	0	0	0	1	0	0	0	0	-	
SDCG1_HUMAN	0	0	0	0	0	0	0	0	1	-	
SE1L2_HUMAN	0	0	0	0	0	0	0	0	1	-	
SEC62_HUMAN	0	0	0	0	0	0	0	0	1	-	
SEC63_HUMAN	0	0	0	0	0	0	0	0	1	-	end
SEHL2_HUMAN	0	0	0	0	1	0	0	0	0	-	
SEMG1_HUMAN	0	0	0	0	0	0	0	0	1	-	ext
SEN2_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
SEN54_HUMAN	0	0	0	0	0	0	0	0	1	-	
SETD4_HUMAN	0	0	0	0	0	0	0	0	1	-	
SG269_HUMAN	0	0	0	0	0	1	0	0	0	-	
SGPP1_HUMAN	0	0	0	0	0	1	0	0	0	-	end
SHLB1_HUMAN	0	0	0	1	0	0	0	0	0	-	
SHRM3_HUMAN	0	0	0	0	0	0	0	0	1	-	
SHSA2_HUMAN	0	0	0	0	0	1	0	0	0	-	
SIA8B_HUMAN	0	0	0	0	0	0	0	0	1	-	
SIRT4_HUMAN	1	0	0	0	0	0	0	0	0	-	mit, mm
SKA3_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, ske
SL9A7_HUMAN	1	0	0	0	0	0	0	0	0	-	gol
SL9A8_HUMAN	1	0	0	0	0	0	0	0	0	-	gol
SLIT3_HUMAN	0	0	1	0	0	0	0	0	0	-	
SMAD5_HUMAN	0	0	1	0	0	0	0	0	0	-	cyt, nuc
SMCA5_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
SMCR7_HUMAN	0	0	0	0	0	0	1	0	0	-	
SND1_HUMAN	0	0	0	0	1	0	0	0	0	-	cyt, nuc
SNF5_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
SNN_HUMAN	0	0	1	0	0	0	0	0	0	-	omm, mit
SNPH_HUMAN	0	0	0	0	1	0	0	0	0	-	
SNTB2_HUMAN	1	0	0	0	0	0	0	0	0	-	cyt
SNX7_HUMAN	0	0	0	0	0	0	1	0	0	-	
SO1B1_HUMAN	0	0	0	0	0	0	0	0	1	-	mem
SORC1_HUMAN	0	0	0	0	0	0	0	0	1	-	
SOX3_HUMAN	0	0	0	0	0	1	0	0	0	-	nuc
SPAT5_HUMAN	0	0	1	0	0	0	0	0	0	-	
SPAT7_HUMAN	0	0	0	0	0	0	0	0	1	-	
SPEE_HUMAN	0	0	0	0	0	0	0	0	1	-	
SPSY_HUMAN	0	0	0	0	0	1	0	0	0	-	
SPT4H_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
SPT5H_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
SPT6H_HUMAN	0	0	0	0	0	0	0	0	1	-	
SPTN4_HUMAN	0	0	0	0	0	0	1	0	0	-	
SPXN4_HUMAN	0	0	0	0	0	1	0	0	0	-	
STAM1_HUMAN	0	0	1	0	0	0	0	0	0	-	
STAM2_HUMAN	0	0	0	0	0	0	0	0	1	-	
STAR4_HUMAN	0	0	0	0	0	1	0	0	0	-	
STAR5_HUMAN	0	0	0	1	0	0	0	0	0	-	
STK11_HUMAN	0	0	1	0	0	0	0	0	0	-	cyt, nuc
STXB1_HUMAN	0	0	0	0	0	1	0	0	0	-	cyt
SUMF1_HUMAN	0	0	0	0	0	1	0	0	0	-	end
SYNE2_HUMAN	0	0	0	0	0	0	0	0	1	-	
SYUB_HUMAN	0	0	0	0	0	1	0	0	0	-	cyt
TAGL2_HUMAN	0	0	0	0	0	0	1	0	0	-	
TATD3_HUMAN	0	0	0	0	1	0	0	0	0	-	
TBA1C_HUMAN	0	0	0	0	0	1	0	0	0	-	
TBB3_HUMAN	0	0	0	0	0	1	0	0	0	-	
TBC20_HUMAN	0	0	0	0	0	0	0	0	1	-	

TBC24_HUMAN	1	0	0	0	0	0	0	0	0	-	
TBCD5_HUMAN	0	0	0	0	0	0	0	0	1	-	
TDRD7_HUMAN	0	0	1	0	0	0	0	0	0	-	
TDRKH_HUMAN	0	0	0	0	1	0	0	0	0	-	
TECR_HUMAN	0	0	0	0	0	0	0	0	1	-	end
TEX11_HUMAN	0	0	0	0	0	0	0	0	1	-	
TEX2_HUMAN	0	0	0	0	0	0	0	0	1	-	
TFP11_HUMAN	0	0	0	0	0	0	0	0	1	-	
TI23B_HUMAN	1	0	0	0	0	0	0	0	0	-	
TKTL1_HUMAN	1	0	0	0	0	0	0	0	0	-	cyt, nuc
TLN2_HUMAN	0	0	0	0	0	0	1	0	0	-	mem
TLR5_HUMAN	0	0	0	0	0	0	0	0	1	-	
TM109_HUMAN	0	0	0	0	0	0	1	0	0	-	
TM141_HUMAN	0	0	0	0	0	1	0	0	0	-	
TM14E_HUMAN	0	0	0	0	0	1	0	0	0	-	
TM160_HUMAN	0	0	0	0	1	0	0	0	0	-	
TM173_HUMAN	0	0	0	0	0	1	0	0	0	-	end, mem
TM205_HUMAN	0	0	0	0	0	1	0	0	0	-	
TM223_HUMAN	0	0	0	0	1	0	0	0	0	-	
TMBI4_HUMAN	0	0	0	0	0	1	0	0	0	-	
TMC4_HUMAN	0	0	0	0	0	0	0	0	1	-	
TMCO3_HUMAN	1	0	0	0	0	0	0	0	0	-	
TMED9_HUMAN	0	0	0	0	0	0	1	0	0	-	
TMM71_HUMAN	0	0	0	0	0	0	0	0	1	-	
TMM8B_HUMAN	0	0	0	0	0	0	0	0	1	-	
TMM91_HUMAN	0	0	1	0	0	0	0	0	0	-	
TMTC1_HUMAN	0	0	0	0	1	0	0	0	0	-	
TNFC_HUMAN	0	0	0	0	0	1	0	0	0	-	
TNNI3_HUMAN	0	0	0	0	0	0	1	0	0	-	
TNNT3_HUMAN	0	0	0	0	0	1	0	0	0	-	
TOP3A_HUMAN	0	0	1	0	0	0	0	0	0	-	
TPR_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt, nuc
TRAKR_HUMAN	0	0	0	0	0	1	0	0	0	-	
TRHDE_HUMAN	0	0	0	0	0	1	0	0	0	-	
TRI14_HUMAN	0	0	0	0	0	0	1	0	0	-	
TRI67_HUMAN	0	0	0	0	0	1	0	0	0	-	
TRIA1_HUMAN	0	0	0	0	1	0	0	0	0	-	cyt, nuc
TRM2_HUMAN	0	0	0	0	1	0	0	0	0	-	
TRPM5_HUMAN	0	0	0	0	0	0	0	0	1	-	
TRUA_HUMAN	0	0	1	0	0	0	0	0	0	-	
TRUB2_HUMAN	1	0	0	0	0	0	0	0	0	-	
TRY2_HUMAN	0	0	0	0	0	0	1	0	0	-	ext
TSAP1_HUMAN	0	0	0	0	0	0	0	0	1	-	
TSPO2_HUMAN	1	0	0	0	0	0	0	0	0	-	end
TTC19_HUMAN	0	0	0	0	1	0	0	0	0	-	
TTC27_HUMAN	0	0	0	0	0	0	0	0	1	-	
TTC35_HUMAN	0	0	0	0	1	0	0	0	0	-	
TTK_HUMAN	0	0	0	0	0	0	0	0	1	-	
TTY11_HUMAN	0	0	0	0	0	1	0	0	0	-	
TUSC3_HUMAN	0	0	0	0	0	1	0	0	0	-	
TXD11_HUMAN	0	0	0	0	0	0	0	0	1	-	
U634C_HUMAN	0	0	0	0	0	1	0	0	0	-	
UB2L3_HUMAN	0	0	0	0	0	0	1	0	0	-	
UB6L2_HUMAN	0	0	0	0	0	1	0	0	0	-	
UBA3_HUMAN	0	0	0	0	0	0	0	0	1	-	
UBE2N_HUMAN	0	0	0	0	0	0	1	0	0	-	
UBIA1_HUMAN	1	0	0	0	0	0	0	0	0	-	
UBP16_HUMAN	0	0	0	0	0	0	0	0	1	-	
UBP20_HUMAN	0	0	0	0	0	0	0	0	1	-	
UBP24_HUMAN	0	0	0	0	0	0	0	0	1	-	
UBP32_HUMAN	0	0	0	0	0	0	1	0	0	-	
UBP34_HUMAN	0	0	0	0	0	0	0	0	1	-	
UBP45_HUMAN	0	0	0	0	0	1	0	0	0	-	
UBP8_HUMAN	0	0	0	0	0	0	0	0	1	-	
UBR5_HUMAN	0	0	0	0	0	1	0	0	0	-	nuc
UCMA_HUMAN	0	0	0	0	0	0	0	0	1	-	
UD16_HUMAN	0	0	0	0	0	1	0	0	0	-	
UD3A2_HUMAN	0	0	0	0	0	0	0	0	1	-	
UGPA_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt
UN13A_HUMAN	0	0	0	0	0	0	0	0	1	-	
UNC80_HUMAN	0	0	0	0	0	1	0	0	0	-	
UTP23_HUMAN	1	0	0	0	0	0	0	0	0	-	
VAMP8_HUMAN	0	0	0	0	1	0	0	0	0	-	
VAPA_HUMAN	0	0	0	0	0	0	0	0	1	-	mem
VATC2_HUMAN	1	0	0	0	0	0	0	0	0	-	
VATG2_HUMAN	1	0	0	0	0	0	0	0	0	-	
VP13A_HUMAN	0	0	0	0	0	0	0	0	1	-	
VPS25_HUMAN	0	0	0	0	0	1	0	0	0	-	cyt, nuc
VPS4A_HUMAN	0	0	0	0	0	0	0	1	0	-	
VPS53_HUMAN	0	0	0	0	0	0	0	0	1	-	gol
VPS54_HUMAN	0	0	0	0	0	0	0	0	1	-	
W19L4_HUMAN	0	0	0	0	0	1	0	0	0	-	
WDFY3_HUMAN	0	0	0	0	0	0	0	0	1	-	cyt
WDR22_HUMAN	0	0	0	0	1	0	0	0	0	-	
WDR87_HUMAN	0	0	0	0	0	0	0	0	1	-	
WFDC3_HUMAN	0	0	0	0	0	1	0	0	0	-	
WWP1_HUMAN	0	0	0	0	0	0	0	0	1	-	

XCT_HUMAN	0	0	0	0	0	1	0	0	0	-	
XKR6_HUMAN	0	0	0	0	0	0	0	0	1	-	
YD002_HUMAN	0	0	0	0	0	0	0	0	1	-	
YD012_HUMAN	0	0	0	0	0	0	1	0	0	-	
YIF1A_HUMAN	1	0	0	0	0	0	0	0	0	-	gol, end
YIF1B_HUMAN	1	0	0	0	0	0	0	0	0	-	
YJ005_HUMAN	0	0	0	0	0	1	0	0	0	-	
YQ015_HUMAN	0	0	0	0	0	1	0	0	0	-	
YRDC_HUMAN	0	0	0	0	0	0	0	0	1	-	
YV010_HUMAN	0	0	0	0	0	1	0	0	0	-	
YV018_HUMAN	0	0	0	0	0	1	0	0	0	-	
Z354A_HUMAN	0	0	0	0	0	0	0	0	1	-	
ZBBX_HUMAN	0	0	0	0	0	0	0	0	1	-	
ZBED5_HUMAN	0	0	0	0	1	0	0	0	0	-	
ZCH12_HUMAN	1	0	0	0	0	0	0	0	0	-	
ZCHC4_HUMAN	0	0	0	1	0	0	0	0	0	-	
ZEP2_HUMAN	0	0	0	0	0	0	0	0	1	-	nuc
ZFHX3_HUMAN	0	0	0	0	0	1	0	0	0	-	nuc
ZN253_HUMAN	0	0	0	0	0	0	0	0	1	-	
ZN271_HUMAN	0	0	0	0	0	0	0	0	1	-	
ZN460_HUMAN	0	0	0	0	0	0	0	0	1	-	
ZN532_HUMAN	0	0	0	0	0	0	0	0	1	-	
ZN573_HUMAN	0	0	0	0	0	0	0	0	1	-	
ZN692_HUMAN	0	0	0	0	0	0	0	0	1	-	
ZN713_HUMAN	0	0	1	0	0	0	0	0	0	-	
ZN844_HUMAN	0	0	0	0	0	0	1	0	0	-	
ZNFX1_HUMAN	0	0	0	0	0	0	0	0	1	-	
ZNT10_HUMAN	0	0	0	0	0	1	0	0	0	-	
ZNT4_HUMAN	0	0	0	0	0	0	0	0	1	-	
ZY11B_HUMAN	0	0	0	0	0	0	0	0	1	-	

Table S5. Protein-protein interaction datasets used in the CRG-integrated PPI (Bossi, A., & Lehner, B. 2009)

Dataset	Reference
BIND	Bader GD, Donaldson I, Wolting C, Ouellette BF, Pawson T, Hogue CW (2001) BIND—The Biomolecular Interaction Network Database. <i>Nucleic Acids Res</i> 29: 242–245
BIOGRID	Stark C, Breitkreutz BJ, Reguly T, Boucher L, Breitkreutz A, Tyers M (2006) BioGRID: a general repository for interaction datasets. <i>Nucleic Acids Res</i> 34: D535–D539
Bioverse	McDermott J, Guerquin M, Frazier Z, Chang AN, Samudrala R (2005) BIOVERSE: enhancements to the framework for structural, functional and contextual modeling of proteins and proteomes. <i>Nucleic Acids Res</i> 33: W324–W325
CCSB-HI1	Rual JF, Venkatesan K, Hao T, Hirozane-Kishikawa T, Dricot A, Li N, Berriz GF, Gibbons FD, Dreze M, Ayivi-Guedehoussou N, Klitgord N, Simon C, Boxem M, Milstein S, Rosenberg J, Goldberg DS, Zhang LV, Wong SL, Franklin G, Li S et al (2005) Towards a proteome-scale map of the human protein–protein interaction network. <i>Nature</i> 437: 1173–1178
Co-citation	Ramani AK, Bunesco RC, Mooney RJ, Marcotte EM (2005) Consolidating the set of known human protein–protein interactions in preparation for large-scale mapping of the human interactome. <i>Genome Biol</i> 6: R40
Co-expression conservation	Ramani AK, Li Z, Hart GT, Carlson MW, Boutz DR, Marcotte EM (2008) A map of human protein interactions derived from co-expression of human mRNAs and their orthologs. <i>Mol Syst Biol</i> 4: 180
CORUM	Ruepp A, Brauner B, Dunger-Kaltenbach I, Frishman G, Montrone C, Stransky M, Waegle B, Schmidt T, Doudieu ON, Stumpflen V, Mewes HW (2008) CORUM: the comprehensive resource of mammalian protein complexes. <i>Nucleic Acids Res</i> 36: D646–D650
DIP	Xenarios I, Salwinski L, Duan XJ, Higney P, Kim SM, Eisenberg D (2002) DIP, the Database of Interacting Proteins: a research tool for studying cellular networks of protein interactions. <i>Nucleic Acids Res</i> 30: 303–305
HPRD	Peri S, Navarro JD, Amanchy R, Kristiansen TZ, Jonnalagadda CK, Surendranath V, Niranjan V, Muthusamy B, Gandhi TK, Gronborg M, Ibarrola N, Deshpande N, Shanker K, Shivashankar HN, Rashmi BP, Ramya MA, Zhao Z, Chandrika KN, Padma N, Harsha HC et al (2003) Development of human protein reference database as an initial platform for approaching systems biology in humans. <i>Genome Res</i> 13: 2363–2371
Intact	Kerrien S, Alam-Faruque Y, Aranda B, Bancarz I, Bridge A, Derow C, Dimmer E, Feuermann M, Friedrichsen A, Huntley R, Kohler C, Khadake J, Leroy C, Liban A, Lieftink C, Montecchi-Palazzi L, Orchard S, Risse J, Robbe K, Roehert B et al (2007) IntAct—open source resource for molecular interaction data. <i>Nucleic Acids Res</i> 35: D561–D565
IntNetDB	Xia K, Dong D, Han JD (2006) IntNetDB v1.0: an integrated protein–protein interaction network database generated by a probabilistic model. <i>BMC Bioinformatics</i> 7: 508
MDC	Stelzl U, Worm U, Lalowski M, Haenig C, Brembeck FH, Goehler H, Stroedicke M, Zenkner M, Schoenherr A, Koeppen S, Timm J, Mintzlaff S, Abraham C, Bock N, Kietzmann S, Goedde A, Toksoz E, Droege A, Krobitsch S, Korn B et al (2005) A human protein–protein interaction network: a resource for annotating the proteome. <i>Cell</i> 122: 957–968
MINT	Persico M, Ceol A, Gavrilu C, Hoffmann R, Florio A, Cesareni G (2005) HomoMINT: an inferred human network based on orthology mapping of protein interactions discovered in model organisms. <i>BMC Bioinformatics</i> 6(Suppl 4): S21
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Table S6. Independent test results for distinguishing OMM proteins from MM and IMM proteins using network position.

Swissprot_ID	Sub-mitochondrial localization	Network Position	Distinguishing OMM vs IMM and MM	Related Function
NLRX1_HUMAN	OMM	0.921	O	Antiviral signaling
TOM6_HUMAN	OMM	0.953	O	Preprotein translocase complex
MUL1_HUMAN	OMM	0.915	O	Control of mitochondrial morphology
MFF_HUMAN	OMM	0.935	O	Mitochondrial fission
SNN_HUMAN	OMM	0.744	O	Response to abiotic stimulus
PINK1_HUMAN	OMM	0.625	O	Protect against mitochondrial dysfunction
PGAM5_HUMAN	OMM	0.662	O	Regulator of mitochondrial dynamics
UBP30_HUMAN	OMM	0.560	O	Maintenance of mitochondrial morphology
EXOG_HUMAN	IMM	0.870	X	Endo/exonuclease
LETM1_HUMAN	IMM	0.858	X	Mitochondrial tubular networks and cristae
TPC_HUMAN	IMM	0.420	O	Uptake ThPP into mitochondria
COQ7_HUMAN	IMM	0.299	O	Ubiquinone biosynthesis
CT007_HUMAN	IMM	0.298	O	Putative methyltransferase
COQ4_HUMAN	IMM	0.213	O	Ubiquinone biosynthesis
COX8A_HUMAN	IMM	0.153	O	Cytochrome c oxidase
COX8C_HUMAN	IMM	0.144	O	Cytochrome c oxidase
SIRT4_HUMAN	MM	0.690	X	GLUD1 enzyme activity, Insulin secretion
DHB8_HUMAN	MM	0.437	O	Estrogen biosynthesis
CLPP_HUMAN	MM	0.379	O	Clp protease
MIPEP_HUMAN	MM	0.366	O	Mitochondrial intermediate peptidase
MCCB_HUMAN	MM	0.113	O	Leucine degradation
CBR4_HUMAN	MM	0.093	O	Biosynthesis of fatty acids
SCOT1_HUMAN	MM	0.080	O	Ketone body catabolism
ACS2L_HUMAN	MM	0.015	O	Maintaining normal body temperature