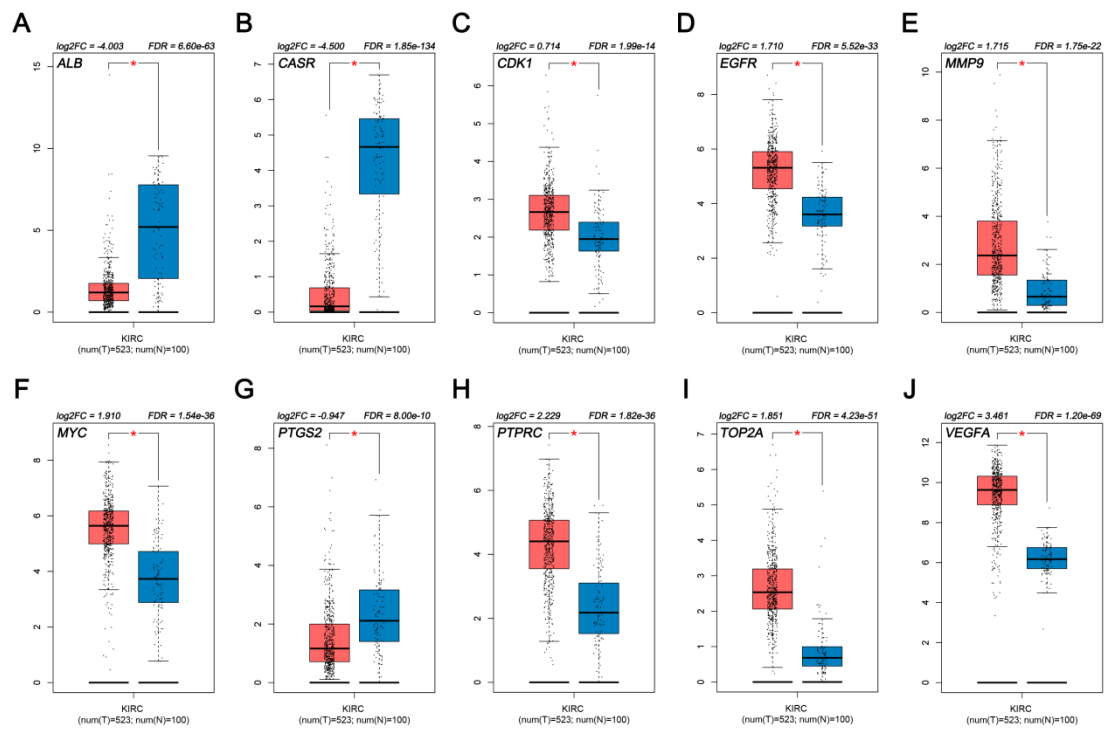


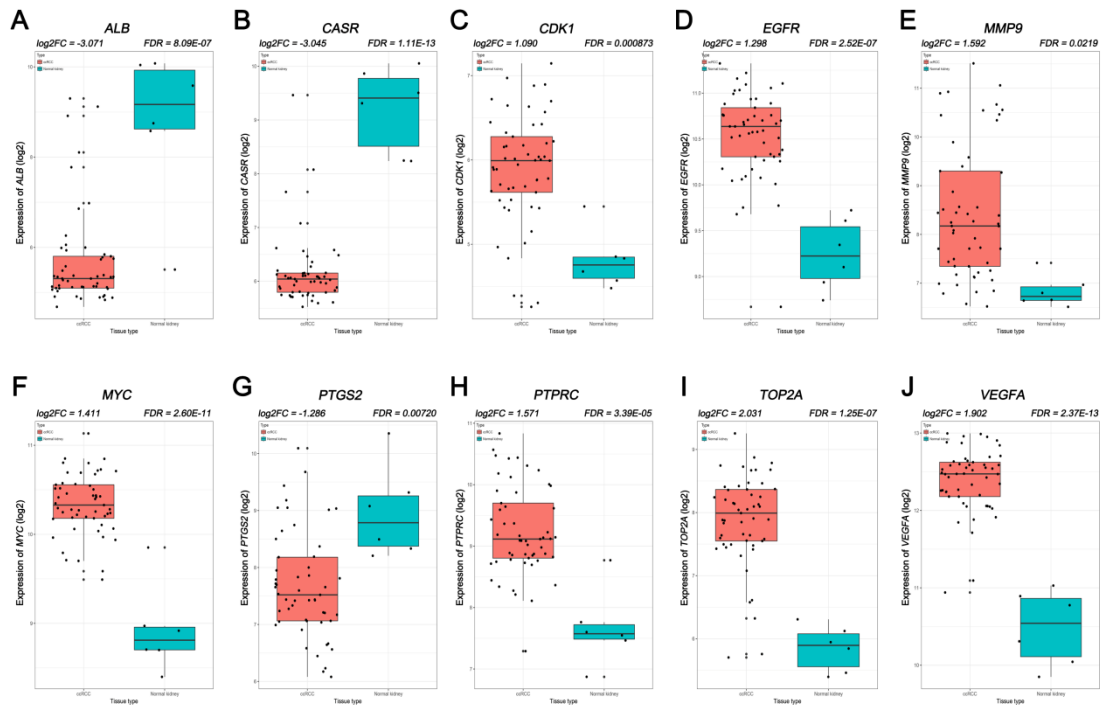
# Identification of key genes and pathways in human clear cell renal cell carcinoma (ccRcc) by co-expression analysis

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## Supplementary Information 1



**Supplementary Figure S1. Hub genes validation using TCGA KIRC (based on GEPIA database). (A) ALB, (B) CASR, (C) CDK1, (D) EGFR, (E) MMP9, (F) MYC, (G) PTGS2, (H) PTPRC, (I) TOP2A and (J) VEGFA.**



**Supplementary Figure S2. Hub genes validation using TCGA KIRC (based on microarray GSE53000). (A) ALB, (B) CASR, (C) CDK1, (D) EGFR, (E) MMP9, (F) MYC, (G) PTGS2, (H) PTPRC, (I) TOP2A and (J) VEGFA.**

## Supplementary Information 2

**Supplementary Table S1.** The primers for qRT-PCR.

Symbol	Forward primer (5'-3')	Reverse primer (5'-3')	Annealing temperature ( °C)	Length (bp)
PIK3CA	CCACGACCATCATCAGGTGAA	CCTCACGGAGGCATTCTAAAGT	60	112
PIK3CB	AGAGCACTTGGTAATCGGAGG	CTTCCCCGGCAGTATGCTTC	60	119
PIK3CD	AAGGAGGAGAATCAGAGCGTT	GAAGAGCGGCTCATACTGGG	60	138
PIK3CG	AACACCGACCTCACAGTTTTT	CTCAAGCCACACATTCCACAG	60	120
AKT1	AGCGACGTGGCTATTGTGAAG	GCCATCATTCTTGAGGAGGAAGT	60	96
AKT2	ACCACAGTCATCGAGAGGACC	GGAGCCACACTTGTAGTCCA	60	138
AKT3	TGTGGATTACCTTATCCCCTCA	GTTTGGCTTTGGTCGTTCTGT	60	79
RAP1A	GAAGAACGGCCAAGGTTTTGC	CCGTGTCCTTAACCCGTAAAATC	60	104
RAP1B	AGCAAGACAATGGAACAACCTGT	TGCCGCACTAGGTCATAAAAAG	60	90
NFKB1	AACAGAGAGGATTCGTTTCCG	TTTGACCTGAGGGTAAGACTTCT	60	104
NFKB2	AGAGGCTTCCGATTTCGATATGG	GGATAGGTCTTTCGGCCCTTC	60	89
RELA	CCCACGAGCTTGTAGGAAAGG	GGATTCCCAGGTTCTGGAAAC	60	96
INSR	AAAACGAGGCCCGAAGATTTC	GAGCCCATAGACCCGGAAG	60	90
IRS1	CCCAGGACCCGCATTCAA	GGCGGTAGATACCAATCAGGT	60	89
ACTB	CATGTACGTTGCTATCCAGGC	CTCCTTAATGTCACGCACGAT	60	250

**Supplementary Table S2.** Up- and downregulated DEGs identified in GSE53000.

<b>Upregulated genes</b>	<b>logFC</b>	<b>FDR</b>		<b>Downregulated genes</b>	<b>logFC</b>	<b>FDR</b>
TNFAIP6	4.344155	1.50E-07		SLC12A1	-6.81593	8.83E-13
ENPP3	3.817891	2.97E-22		KNG1	-6.36334	1.03E-15
ANGPTL4	3.688326	3.51E-22		CALB1	-6.19493	5.06E-11
CYP2J2	3.633407	5.77E-06		UMOD	-5.76431	1.06E-16
LOX	3.492582	6.61E-12		ATP6V0D2	-5.38667	5.36E-12
CA9	3.387557	7.23E-19		CLDN8	-4.90115	1.19E-21
CP	3.268885	8.81E-08		ATP6V0A4	-4.87937	1.34E-18
HILPDA	3.265616	1.68E-13		NPHS2	-4.71517	2.54E-08
FABP7	3.082383	0.010299		MUC15	-4.70665	1.54E-21
TMEM45A	3.057399	0.000162		CLDN16	-4.57003	8.10E-15
EGLN3	2.936869	7.34E-28		ADGRF1	-4.52212	1.23E-15
SCD	2.803463	8.32E-12		KCNJ1	-4.50163	1.49E-17
SLC6A3	2.78543	0.00013		TMEM52B	-4.47363	2.22E-15
AHNAK2	2.781439	7.72E-07		RANBP3L	-4.4582	1.84E-15
NDUFA4L2	2.664692	6.23E-27		SLC26A7	-4.25524	4.46E-20
STC2	2.629384	1.10E-08		HEPACAM2	-4.07395	1.59E-22
NETO2	2.561125	1.84E-09		EGF	-4.07063	2.57E-10
NNMT	2.558521	1.96E-13		AFM	-4.04308	1.02E-10
DNAH11	2.527665	0.002594		SLC12A3	-3.98106	1.51E-13
ANGPT2	2.520529	4.22E-09		CLCNKB	-3.97981	2.05E-21
PLA2G7	2.494758	1.22E-05		SCNN1G	-3.96826	3.87E-07
ESM1	2.486985	2.01E-08		FGF9	-3.9374	2.44E-23
C3	2.470505	4.76E-11		SLC22A8	-3.88565	3.66E-11
SCARB1	2.448489	4.12E-11		DIO1	-3.8305	1.38E-07
VWF	2.444108	3.60E-08		TFCP2L1	-3.82473	1.76E-07
GAS2L3	2.429188	4.88E-10		SLC13A3	-3.82047	2.98E-08
ST8SIA4	2.377445	2.47E-11		SLC36A2	-3.81441	7.84E-08
HK2	2.368274	2.38E-08		RHCG	-3.78438	4.56E-24
CXCL10	2.35587	3.43E-05		SFRP1	-3.78156	6.54E-10
ENO2	2.344527	2.67E-10		AQP2	-3.73944	8.89E-26
SEMA5B	2.267656	1.91E-10		PVALB	-3.72891	1.90E-19
APOC1	2.265891	4.09E-06		XPNPEP2	-3.70502	9.06E-09
C5orf46	2.239225	0.000322		FXYP4	-3.65691	2.75E-22
RGS1	2.166602	3.88E-08		SERPINA5	-3.65454	1.37E-16
LOXL2	2.158296	1.41E-06		HRG	-3.62651	9.41E-19
LAMA4	2.156128	1.54E-09		KCNJ10	-3.60232	1.09E-16
IDO1	2.153304	0.000129		SCNN1A	-3.58947	1.66E-13
CCL18	2.147811	0.007077		EHF	-3.55997	1.32E-08
DTL	2.145497	3.06E-08		ERBB4	-3.50601	8.67E-11

CD36	2.109948	8.09E-05		ALDOB	-3.47949	0.00589
QRFPR	2.104725	4.28E-05		MAL	-3.47202	3.30E-08
ACTG2	2.097484	0.000218		ATP6V1C2	-3.46823	1.59E-22
FAM111B	2.091603	1.37E-08		CLCNKA	-3.43997	7.37E-14
NUSAP1	2.0916	9.85E-11		HPD	-3.38091	0.000122
BIRC3	2.088605	1.11E-07		TACSTD2	-3.34459	1.97E-10
AQP9	2.070965	0.019835		SLC34A1	-3.3442	5.30E-05
SLC16A1	2.070332	7.53E-10		ELF5	-3.32106	7.23E-19
IGFBP3	2.060114	2.33E-10		HSD11B2	-3.31736	3.32E-11
SLC17A4	2.052175	0.035628		SLC7A13	-3.31143	6.21E-16
HAPLN1	2.048155	7.02E-05		LIPH	-3.28682	5.25E-10
TOP2A	2.031219	1.25E-07		PLG	-3.2801	1.70E-05
APBB1IP	2.016476	4.44E-10		RPS6KA6	-3.27223	1.09E-08
PLK2	2.013237	9.62E-10		CYP2B6	-3.26265	2.09E-11
CXCL9	2.000606	0.003382		LPPR1	-3.24803	1.88E-14
BHLHE41	1.998829	1.44E-10		MFSD4	-3.24159	3.24E-21
TNFRSF9	1.996599	0.003092		DPEP1	-3.22513	1.27E-07
DIRAS2	1.994132	2.31E-05		ATP6V1B1	-3.18176	2.26E-18
DDIT4	1.989925	2.08E-10		STAP1	-3.17414	3.53E-18
PDK1	1.976731	1.28E-15		C7	-3.16971	0.002874
ANLN	1.955172	1.52E-06		F11	-3.11391	5.67E-10
FCGR3A	1.947397	8.92E-07		RAB25	-3.10243	5.12E-21
MKI67	1.918033	2.02E-07		ALB	-3.07139	8.09E-07
GAL3ST1	1.915191	1.12E-08		VTCN1	-3.04566	3.31E-11
PLIN2	1.90668	4.38E-12		CASR	-3.04538	1.11E-13
VEGFA	1.902309	2.37E-13		SLC9A4	-3.03465	2.75E-22
CXCR4	1.896205	1.09E-09		HMGCS2	-3.02936	1.04E-05
RNASET2	1.891205	6.54E-09		GPC3	-3.0112	1.43E-07
LHFPL2	1.890595	3.72E-07		SLC13A2	-3.00245	3.37E-16
CAV1	1.873597	2.97E-13		CYP24A1	-2.96735	0.000943
PGF	1.867352	0.002758		DEFB1	-2.9572	1.45E-08
POSTN	1.867323	0.00213		CYP17A1	-2.9563	6.51E-08
CDCA2	1.86229	2.09E-09		NRK	-2.9427	2.76E-19
KIAA0101	1.857669	1.97E-07		TCF21	-2.93712	6.20E-08
CD84	1.843492	8.58E-07		TMEM207	-2.91371	1.38E-21
MSR1	1.839632	3.60E-06		CHL1	-2.89419	1.58E-07
PFKP	1.839385	6.20E-17		PIK3C2G	-2.88931	1.00E-09
MYO3A	1.831629	3.56E-07		GATA3	-2.8222	4.36E-15
GZMK	1.830101	0.029414		SIM1	-2.82054	6.22E-06
IKBIP	1.822634	5.04E-13		CWH43	-2.81964	2.35E-20
CXCL11	1.816945	0.004269		SLC47A2	-2.80967	2.13E-11
STAMBPL1	1.81618	1.12E-08		ESRRG	-2.79167	4.80E-09
RASSF2	1.803611	3.60E-08		TSPAN8	-2.78907	9.50E-05

NLGN1	1.798034	0.000136		WDR72	-2.78567	0.004422
GBP5	1.794635	0.002286		ACPP	-2.77388	5.18E-12
CCL20	1.794291	0.030992		FAM3B	-2.76723	2.88E-20
SLC2A1	1.794126	3.15E-10		CRHBP	-2.74162	2.15E-05
PTHLH	1.775119	0.014278		FAM83B	-2.73463	1.13E-07
ASPM	1.772358	2.30E-06		SCN2A	-2.73002	3.23E-12
OLFML2B	1.764662	0.000115		G6PC	-2.70009	0.002191
CAV2	1.764451	5.47E-17		SPTBN2	-2.6737	9.72E-21
ABCA1	1.762729	1.15E-13		SLC22A7	-2.66459	4.12E-09
VSIG1	1.758499	0.000446		DAO	-2.65424	9.35E-07
VCAN	1.75102	0.000288		SCNN1B	-2.64922	1.30E-08
IGSF6	1.750373	1.24E-05		SLC22A12	-2.64351	3.30E-05
LPCAT1	1.749769	2.03E-07		SLC9A3	-2.63175	9.62E-10
ITGA4	1.744692	3.79E-10		ENPP6	-2.60516	3.03E-18
RRM2	1.738011	5.08E-07		ACSF2	-2.58247	2.35E-07
TPX2	1.733018	2.66E-06		FREM1	-2.58229	3.86E-10
CDON	1.724459	8.24E-06		SLC44A4	-2.57818	2.58E-05
LAPTM5	1.720948	2.36E-09		C1orf168	-2.55066	3.28E-12
SMPDL3A	1.714968	2.84E-07		SLC22A6	-2.54836	0.000128
ADM	1.71201	2.04E-08		TFAP2B	-2.54771	8.60E-19
SEMA6A	1.711689	4.62E-06		SLC7A8	-2.54061	1.66E-07
CES4A	1.709506	0.001485		ERP27	-2.53904	4.16E-13
FPR3	1.707748	3.17E-08		CNTN1	-2.53763	1.50E-05
ABCA12	1.706901	0.000519		HAO2	-2.51782	0.001376
TREM2	1.705197	1.27E-05		GSTM3	-2.49351	2.60E-12
BUB1	1.704715	8.65E-06		DCN	-2.48121	0.014508
PDGFD	1.700599	0.00013		SLC6A19	-2.47269	0.016431
KIF20A	1.687807	3.22E-05		BMPR1B	-2.47083	6.69E-14
CXCL13	1.686965	0.009736		FAM151A	-2.46785	1.64E-09
PLOD2	1.685453	1.71E-06		ADH1C	-2.46563	9.53E-07
PRDM1	1.680833	6.89E-10		MPPED2	-2.46391	1.04E-11
ITGA5	1.675549	2.74E-08		SCIN	-2.4538	2.92E-07
AOAH	1.673701	2.83E-05		OGDHL	-2.45075	4.94E-06
CSPG4	1.664877	7.17E-05		GPAT3	-2.45005	5.33E-07
HIST1H2BM	1.663838	0.000873		PCK1	-2.44407	0.001654
NCKAP1L	1.660058	5.06E-06		SHISA3	-2.41362	3.24E-06
DEGS1	1.656943	2.60E-05		OXGR1	-2.40913	8.76E-22
DOC2A	1.649587	1.11E-05		SLC5A2	-2.39374	4.99E-10
NRP2	1.644648	7.29E-07		GABRA2	-2.38975	4.17E-10
SPAG4	1.641278	8.85E-11		TMEM45B	-2.3741	0.003111
KCNK3	1.636507	0.005875		SOSTDC1	-2.36647	3.19E-09
TLR3	1.634565	1.80E-08		CYP4F2	-2.35973	1.47E-06
ABCC3	1.63003	6.47E-08		TOX3	-2.35409	8.16E-07

HIST1H3B	1.628461	5.93E-05		GRHL2	-2.35339	3.43E-18
FGF11	1.625662	0.00049		UPP2	-2.3428	7.26E-16
ALDOC	1.624798	2.04E-06		SLC9A2	-2.34193	1.99E-20
PHKA2	1.624103	3.86E-11		PCP4	-2.33869	1.03E-11
DOCK2	1.623195	3.24E-06		PDE1A	-2.32916	2.47E-06
TYMS	1.621776	5.22E-12		GRB14	-2.3191	1.07E-11
GRAMD4	1.621266	0.000242		AIF1L	-2.31662	3.74E-05
SLFN13	1.621049	1.30E-06		SLC15A2	-2.3163	1.06E-13
FKBP10	1.621033	0.000248		CTXN3	-2.28525	1.52E-06
APOBEC3G	1.619879	3.49E-05		EPCAM	-2.28405	0.002287
SLAMF8	1.618632	0.000332		ATP6V1G3	-2.28019	1.38E-21
HIST1H3I	1.614011	0.001107		ADH1B	-2.27239	0.005188
BRIP1	1.611424	1.85E-08		PAPPA2	-2.26686	0.005021
CDH13	1.610789	1.70E-05		PIGR	-2.26344	0.023753
FCER1G	1.603781	9.23E-06		HSPA2	-2.26124	3.71E-11
SEL1L3	1.603191	5.74E-09		MT1H	-2.25626	5.67E-09
SHMT2	1.599838	2.92E-11		TMEM30B	-2.25522	8.02E-13
P2RX7	1.597708	6.54E-10		ENAM	-2.25303	2.89E-05
CCL5	1.596544	0.001855		ADH6	-2.24804	0.001392
PRELID2	1.594615	2.06E-08		SLC2A12	-2.24372	4.10E-16
SLC1A3	1.592074	7.99E-05		SLC26A4	-2.24017	7.37E-14
MMP9	1.591959	0.021948		PAPPA	-2.23832	2.22E-08
CENPK	1.590283	2.31E-07		L1CAM	-2.22436	1.27E-10
P4HA1	1.587171	2.11E-10		RNF150	-2.2241	3.51E-12
PYGL	1.584418	4.29E-07		PROM1	-2.21079	0.035968
SLFN11	1.584222	3.91E-07		SLC4A11	-2.20984	3.92E-14
TGFBI	1.583615	0.000699		WNK4	-2.20281	1.38E-11
PTPRC	1.571071	3.39E-05		FGF1	-2.20234	8.08E-07
LILRB4	1.567081	1.67E-06		KRT7	-2.19441	2.67E-07
TMEM91	1.564592	0.000163		PTH1R	-2.19228	3.40E-09
PLXDC1	1.560986	6.06E-06		DNER	-2.19163	2.46E-08
MYBL1	1.557317	8.48E-06		SUCNR1	-2.18539	0.000313
NT5DC3	1.557295	0.000579		FAM169A	-2.18433	4.59E-10
SERPINE1	1.550259	0.010341		TMEM178A	-2.18405	8.39E-18
APOBEC3C	1.539439	3.11E-05		CDH16	-2.18179	7.69E-05
CD200	1.539071	2.15E-05		RALYL	-2.18007	1.48E-19
MSC	1.536857	2.55E-05		PSAT1	-2.16725	0.00034
DCLK1	1.532237	0.008123		ANO5	-2.1599	2.66E-09
CCNB2	1.531724	1.63E-05		ATP12A	-2.15526	1.68E-20
HMOX1	1.530365	1.09E-06		TMPRSS4	-2.15247	1.74E-07
LAIR1	1.526741	3.68E-05		TMEM174	-2.1355	0.001489
C3AR1	1.521177	1.27E-05		FREM2	-2.12851	0.007865
SLAMF6	1.521138	0.006486		TFAP2A	-2.10217	6.68E-07

NPTX2	1.520272	0.025968		PLCL1	-2.10056	4.96E-09
C1QC	1.51717	4.58E-06		SNORD114-3	-2.09072	3.84E-05
ITGB2	1.516637	2.14E-06		KCNJ13	-2.08918	0.000323
ZNF826P	1.516443	0.000315		GMPR	-2.08044	4.30E-10
GJC1	1.516008	0.000152		MT1G	-2.07838	7.44E-06
HSPB8	1.513835	2.73E-06		CLIC5	-2.07434	1.63E-05
CD3G	1.508402	0.012247		ALDH6A1	-2.06337	1.55E-06
PNMA2	1.506584	1.87E-05		MIOX	-2.05991	0.000455
CEP55	1.501756	2.47E-06		IYD	-2.05699	2.54E-07
PAG1	1.50028	6.97E-10		CNTN3	-2.05669	5.89E-08
C1orf162	1.500015	1.81E-06		PRLR	-2.05158	3.47E-05
TRPA1	1.495098	0.000183		PKHD1	-2.04968	0.021978
BTN3A1	1.490126	4.07E-08		SLC22A13	-2.04911	3.46E-08
ITGAX	1.488589	1.72E-06		KCNJ15	-2.03661	0.00744
PPP1R3C	1.487497	3.78E-06		CDH9	-2.03541	8.36E-05
CTSS	1.481698	2.20E-05		PLA2R1	-2.03104	2.86E-06
ELMO1	1.480912	8.91E-05		ABAT	-2.02195	1.10E-07
SLAMF7	1.474829	0.009663		MPP7	-2.01646	8.89E-11
SLC2A5	1.473117	0.00099		PROM2	-2.01497	2.03E-16
FYB	1.472262	0.00054		RAP1GAP	-2.01377	6.39E-05
PSORS1C3	1.47084	7.31E-05		TMEM72	-2.01207	4.48E-06
PNCK	1.469355	0.001612		AP1M2	-2.01173	5.17E-18
C1QB	1.467713	2.05E-05		SLC14A2	-2.00439	1.65E-09
HSF4	1.466319	6.29E-08		GGT6	-1.99767	2.71E-18
COL1A1	1.465074	0.010702		PHYHD1	-1.99458	7.02E-09
CENPF	1.464727	8.48E-06		RHBG	-1.9874	1.80E-19
CD86	1.46351	3.18E-06		PPAPDC1A	-1.98244	3.65E-13
KCNMA1	1.458549	0.00067		CLNK	-1.96939	9.22E-14
SLC15A4	1.453765	1.08E-10		MYO3B	-1.96862	9.16E-15
LCP2	1.45355	2.63E-07		PTPRD	-1.95891	0.000355
BTN3A2	1.452858	1.81E-07		PPP1R1A	-1.95698	0.000269
SLC39A14	1.444552	0.00013		C14orf37	-1.95402	1.19E-10
KCNJ2	1.444366	0.00039		ABCA8	-1.94896	0.000156
PLEK	1.440972	0.001287		PIPOX	-1.93961	0.002303
PIEZO2	1.438627	0.002245		FBP1	-1.93649	6.13E-05
GMFG	1.438273	5.06E-11		CA8	-1.93628	2.53E-15
LY86	1.43152	1.16E-05		SLC4A9	-1.9359	4.17E-16
MS4A4A	1.428232	0.000307		LMO3	-1.93481	6.14E-06
DLGAP5	1.427937	6.25E-05		FMO5	-1.93114	0.00024
HAVCR1	1.425574	0.017997		UGT3A1	-1.92347	0.006753
APOLD1	1.419039	0.000325		PACRG	-1.92171	2.95E-15
CREB3L3	1.418711	0.047788		NELL1	-1.91811	9.53E-07
EVI2B	1.417876	2.09E-05		MAN1C1	-1.90884	3.98E-09



PCDH17	1.41471	7.22E-06		CGNL1	-1.90763	2.21E-06
MYC	1.41082	2.60E-11		ABCA4	-1.90388	9.05E-10
LCP1	1.409362	5.52E-05		DDC	-1.90152	0.003661
DGKD	1.40792	1.56E-05		SLC16A7	-1.89976	2.23E-08
KIF18A	1.407047	5.85E-06		MCOLN3	-1.89906	1.50E-05
ALOX5	1.407008	0.000485		MOXD1	-1.88849	0.001682
CDK18	1.40647	7.45E-05		AZGP1	-1.886	0.010178
EHD2	1.406187	1.54E-09		ATRNL1	-1.8855	9.36E-05
MCTP2	1.405966	2.23E-05		ANGPTL1	-1.88359	4.93E-05
SKA3	1.404719	5.98E-07		ANXA3	-1.87716	0.011406
CD163	1.40451	0.000956		PPARGC1A	-1.87653	0.00236
CCND1	1.401906	1.14E-08		HECW1	-1.87109	7.90E-09
FN1	1.398841	1.48E-06		EYA4	-1.85944	2.93E-07
CCNE2	1.397677	1.25E-05		HOXB9	-1.85785	1.84E-09
EDA2R	1.390731	2.10E-06		VGLL1	-1.85607	5.89E-11
OSMR	1.389006	1.12E-07		FBLN5	-1.84521	0.000278
ARHGAP42	1.387555	7.99E-06		EFHD1	-1.83551	6.54E-09
GPR34	1.385605	0.000129		LRRC19	-1.83334	0.023817
PTPN22	1.385552	0.001428		RASL11B	-1.8277	2.37E-10
GRIK3	1.38554	0.001612		HS6ST2	-1.82673	4.36E-15
FLT1	1.384249	0.000287		KCNIP1	-1.82643	9.23E-12
GBP2	1.379677	0.004736		MTURN	-1.82605	1.31E-12
C1QA	1.377911	5.30E-05		SPX	-1.82526	0.008313
CD96	1.374653	0.006945		MECOM	-1.81541	4.27E-08
THEMIS2	1.370147	1.58E-05		CA10	-1.80549	5.03E-16
FAM57A	1.369894	1.24E-06		DACH1	-1.8029	1.47E-06
PPP1R3B	1.369136	5.58E-07		PRODH2	-1.80189	9.49E-07
IL2RB	1.368025	0.000388		KLK1	-1.7999	4.91E-10
IFI16	1.36435	5.74E-09		KL	-1.79592	0.026935
NEIL3	1.3605	1.08E-05		SLC14A1	-1.78927	0.000195
CASP1	1.35897	4.49E-06		SFXN2	-1.78104	1.54E-09
NEK6	1.35889	1.21E-09		TSPAN1	-1.78102	0.042886
OR51E1	1.354973	0.000257		NR3C2	-1.76954	3.19E-09
PRR11	1.354561	8.10E-08		KLK6	-1.76745	2.47E-07
DLL4	1.354334	0.000319		MARVELD2	-1.76292	0.000815
FCGR2A	1.353382	1.47E-06		STK33	-1.75768	0.000105
LGI4	1.351604	0.020082		WNK3	-1.75251	6.25E-13
BARX2	1.351496	3.00E-05		LIX1	-1.74265	0.011484
CHST11	1.348531	1.98E-07		TDGF1	-1.73656	9.69E-06
FABP6	1.346544	0.022836		GLDC	-1.73632	1.35E-06
TNFSF13B	1.34653	0.000101		GP2	-1.73339	5.73E-12
CDC6	1.343049	2.02E-05		ST6GALNAC2	-1.73236	0.000773
SELPLG	1.339559	1.37E-05		MTNR1A	-1.73164	2.69E-11

TNFAIP3	1.338716	1.04E-07		TMC4	-1.73019	2.73E-06
ADAMDEC1	1.33452	0.029985		C21orf62	-1.72621	0.005529
ADGRE2	1.334274	3.10E-05		KIT	-1.72084	2.25E-05
ELOVL2	1.333276	0.045513		LRRC2	-1.71974	6.60E-06
TLR2	1.332563	4.85E-05		SPINK1	-1.7193	0.043644
ESCO2	1.332208	6.99E-06		DNASE1	-1.71448	2.03E-13
CD27	1.331651	0.029054		PP7080	-1.69845	0.000176
MS4A6A	1.331348	6.47E-07		PTGER3	-1.69761	0.000278
3-Mar	1.330715	1.37E-06		ANK2	-1.68607	0.001173
NCAPG	1.328075	1.07E-05		FOXI1	-1.68106	8.60E-20
SAMHD1	1.327455	9.28E-06		FRMD7	-1.67943	1.32E-16
HEY1	1.323379	1.16E-05		PROX1	-1.67671	0.003218
CLEC2B	1.322202	3.26E-05		ANK3	-1.67173	0.000232
DIAPH2	1.321095	1.81E-08		CCSER1	-1.67114	8.35E-09
TTK	1.317431	5.11E-06		SUSD4	-1.66686	1.20E-13
CD180	1.316458	0.001384		ABCB1	-1.66682	0.005046
HECW2	1.316355	9.71E-05		PHGDH	-1.66318	0.00018
PRKCDBP	1.314849	1.20E-13		HPGD	-1.66257	0.033248
MMP1	1.313787	0.013172		LINC00472	-1.66128	9.77E-06
CORO1A	1.313384	0.001428		PAQR5	-1.66036	1.24E-05
ANXA4	1.31301	9.59E-12		USP2	-1.65981	0.0019
ITGAL	1.311397	0.002845		COBLL1	-1.65448	2.51E-08
CENPU	1.310992	6.32E-06		BDH1	-1.63938	4.16E-13
TGFA	1.305811	0.000898		CPN2	-1.6368	0.030666
PXDN	1.304276	0.00403		DMRT2	-1.63266	4.08E-20
EBF2	1.302609	0.002632		PFKFB2	-1.62289	3.71E-15
EGFR	1.298431	2.52E-07		CKMT2	-1.61555	0.01443
CD70	1.295516	0.003752		MAGI2	-1.60948	1.54E-09
SCIMP	1.295199	0.000153		CLDN10	-1.60675	0.009312
FOXM1	1.294871	0.000125		DCXR	-1.60603	2.58E-09
SLC41A2	1.294708	1.48E-06		MAL2	-1.60171	0.00936
CHST15	1.292789	0.000575		DPP6	-1.59929	4.90E-12
ERO1A	1.290889	9.60E-06		PLA2G4F	-1.59858	7.73E-15
C10orf10	1.288842	3.32E-06		ASB15	-1.59722	9.67E-12
CCDC109B	1.288454	0.000581		SLC16A5	-1.59601	3.34E-11
APLN	1.288452	7.22E-05		KLHL13	-1.59123	1.51E-07
ABLIM3	1.286685	0.000291		NAPSA	-1.59057	0.030334
CPA3	1.283442	0.014502		INPP5J	-1.59014	1.04E-18
CLEC2D	1.283244	0.000779		BCAM	-1.58892	2.77E-06
EVI2A	1.280315	0.000106		SHROOM3	-1.58169	9.29E-06
CD53	1.279378	5.62E-05		ZNF804B	-1.58068	1.70E-14
CD8A	1.276868	0.038893		NPNT	-1.5789	0.000609
SLC9A9	1.276674	0.00116		ZNF300P1	-1.57396	1.26E-08

ENTPD1	1.276337	1.59E-06		CLSTN2	-1.57349	8.36E-05
KIF11	1.275587	3.41E-05		MUC1	-1.57256	4.77E-05
COL4A1	1.271675	0.000299		CYP4F3	-1.56992	0.002564
ANOS1	1.270828	1.90E-06		MT1F	-1.56992	4.47E-05
DDB2	1.270786	6.54E-10		NPY1R	-1.56922	0.006253
BTN3A3	1.270705	4.82E-05		C1orf116	-1.56691	6.28E-08
GLIPR1	1.27046	4.93E-05		MRAP2	-1.5648	1.66E-08
FAP	1.27044	0.017969		ZNF667-AS1	-1.56276	0.002169
HCK	1.26936	0.000197		CDH3	-1.55435	2.69E-05
TRAT1	1.269199	0.023549		ALDH4A1	-1.55346	0.00069
ADSSL1	1.267891	0.023753		HOXB6	-1.55273	4.59E-10
SACS	1.265824	1.09E-08		ACOT11	-1.54452	6.41E-10
ADA	1.264986	0.009621		FUT6	-1.54431	0.001347
FANCI	1.264326	1.90E-06		HOGA1	-1.54339	1.35E-06
GJA1	1.264035	0.000273		KLHL3	-1.54191	7.44E-11
SLC7A11	1.26274	0.004332		C8orf4	-1.53947	9.16E-06
TNIP3	1.262496	0.046941		CMTM4	-1.53572	4.80E-09
DYSF	1.258054	7.99E-06		DUSP9	-1.53374	6.73E-14
PREX2	1.257254	0.001736		PRSS8	-1.53278	0.00151
SERPINB9P1	1.255569	0.000867		RBM11	-1.53075	1.82E-09
CYBB	1.255044	0.000269		TRPV5	-1.52943	2.26E-10
CDCA7L	1.254752	0.000338		STK32A	-1.52753	1.97E-07
RAD51AP1	1.25445	6.15E-07		TRPM3	-1.52626	0.006673
FFAR4	1.253724	0.006938		ERMP1	-1.52218	8.12E-10
TGFB1	1.252188	5.18E-07		ARNT2	-1.52171	5.22E-07
FSTL1	1.249093	0.000715		SEMA6D	-1.51296	6.48E-05
PMEPA1	1.24841	0.000138		PROZ	-1.50923	7.44E-11
PDLIM1	1.245586	1.46E-11		ANXA9	-1.50891	5.78E-05
PLAC8	1.241757	0.001754		CKB	-1.50408	0.00166
CD4	1.240979	6.11E-05		SLIT2	-1.50255	0.006266
GAPT	1.238168	0.002381		TSPAN33	-1.50124	8.65E-12
ARHGAP11A	1.236368	0.000242		LHX1	-1.49162	4.36E-15
APOL1	1.233847	0.012521		ACADSB	-1.49121	7.59E-05
SLC1A4	1.232792	3.32E-10		RIC3	-1.49052	2.31E-05
PCDHB8	1.2318	0.018332		ESRRB	-1.48794	3.37E-16
CENPI	1.22844	5.57E-06		LDHD	-1.48755	1.37E-08
CXorf36	1.227896	0.000362		HOXB8	-1.48675	2.12E-12
EPHA3	1.227431	0.005762		NTN4	-1.48622	0.008641
LY96	1.225792	0.001977		KCTD1	-1.47675	3.91E-10
TYROBP	1.225092	4.77E-06		UPK1B	-1.47644	0.030977
DOCK10	1.224612	2.32E-06		FMO4	-1.4724	4.24E-05
IKZF3	1.223162	0.019039		FOLR1	-1.47143	0.004957
GPR65	1.222949	0.005337		HYKK	-1.46584	3.64E-15

SLCO2B1	1.222894	3.33E-05		SULT1C2	-1.46014	0.004135
DUSP10	1.219471	1.04E-05		SGK2	-1.45528	0.000574
CKAP2L	1.215774	5.79E-06		AGMAT	-1.45501	0.016115
GZMA	1.214727	0.025349		WFDC2	-1.45413	0.001298
TMEM133	1.214428	0.000352		PTPN13	-1.44678	0.000184
NOL3	1.214291	2.58E-09		PRR15L	-1.4463	0.001069
BRCA2	1.213788	9.53E-10		ARHGEF38	-1.44408	2.05E-05
EIF4EBP1	1.209797	5.40E-05		C16orf89	-1.44324	3.92E-09
NMI	1.208768	1.66E-07		ALX1	-1.44201	4.68E-06
VIM	1.208199	1.59E-22		SNORA70F	-1.44163	3.98E-07
TLR7	1.20743	0.00646		NPY5R	-1.44019	0.001608
NCK1	1.207158	2.77E-09		VEPH1	-1.4401	0.004733
PSMB9	1.204666	0.000113		LYPD6B	-1.43586	5.76E-12
HPCAL1	1.203789	2.69E-06		SIM2	-1.43487	6.61E-12
TBXAS1	1.200053	1.58E-07		PCDH9	-1.43116	2.08E-10
CALCRL	1.197873	0.000508		ETNK2	-1.42835	0.008056
CCNA2	1.197385	0.00018		PRDM16	-1.42657	4.88E-15
ICAM1	1.195448	4.97E-05		WLS	-1.42241	0.002952
TMSB10	1.195179	7.24E-13		CCDC64	-1.42157	8.95E-08
MELK	1.195131	4.24E-05		ARL4D	-1.41782	1.74E-12
NDC80	1.194966	1.20E-06		PTPRO	-1.40284	0.000194
PCDHB14	1.192687	0.000377		MYH10	-1.4	0.000921
IKZF1	1.191762	0.001909		SAMD12	-1.39951	3.66E-05
MNDA	1.190862	0.000278		PLEKHB1	-1.39902	6.53E-11
GIT2	1.190217	7.55E-08		PLCXD3	-1.39729	5.77E-07
CDKN3	1.188108	0.000768		EPHX2	-1.39665	0.003399
PLXNC1	1.185667	9.48E-05		RASD1	-1.39269	0.000234
CENPE	1.184808	2.31E-05		FGFR2	-1.39258	4.76E-05
PLXND1	1.182286	2.72E-05		GPD1L	-1.39226	2.80E-09
PLK1	1.181331	0.000155		CLUL1	-1.39144	1.32E-12
KCNE3	1.181282	0.000243		SYT1	-1.39075	1.19E-06
TMEM2	1.180359	1.67E-05		LAD1	-1.38626	9.08E-06
SEZ6L2	1.179469	0.001392		TREH	-1.38589	1.54E-05
CD2	1.179395	0.026648		C2orf40	-1.38532	0.013175
RNASE6	1.178184	4.97E-05		NTRK2	-1.38456	0.010092
CD48	1.177734	0.00772		PLLP	-1.38433	0.000966
COLGALT1	1.173169	1.88E-10		SLC52A3	-1.37742	2.81E-09
CD3E	1.171905	0.027669		TRPV6	-1.37739	6.61E-12
TICRR	1.171699	4.71E-06		SNORA80E	-1.37695	0.000513
PRAME	1.169786	0.031083		PLXNB1	-1.37477	3.08E-15
RASSF5	1.169085	5.76E-06		ERVMER34-1	-1.36653	8.06E-12
CD37	1.166411	0.00011		UCHL1	-1.36605	0.049334
IL10RA	1.165949	0.000649		SELENBP1	-1.36485	9.70E-05

RHOH	1.164557	0.001482		CEL	-1.36432	1.56E-12
LYZ	1.163581	0.001707		CERKL	-1.36404	7.13E-06
PFKFB4	1.162218	3.88E-07		TRIM2	-1.36355	4.59E-08
SPARCL1	1.160528	0.004756		THSD7A	-1.36144	0.000256
PCDHB9	1.159531	0.000533		THRB	-1.36109	2.31E-07
FAM49A	1.15882	9.70E-06		PROC	-1.35844	1.30E-05
EZH2	1.155578	6.15E-08		GALNT3	-1.35705	1.15E-05
PRC1	1.154887	4.65E-06		ARHGAP24	-1.35479	0.000109
RGCC	1.15452	8.99E-05		PBX1	-1.3537	0.000514
EDIL3	1.153672	0.04902		FAM171A1	-1.35209	2.34E-08
INPP5D	1.153065	1.90E-05		PLAT	-1.34904	0.000581
APOBEC3B	1.15241	0.000377		NAP1L2	-1.34857	7.36E-05
MB21D1	1.151353	4.28E-07		DCDC2	-1.34778	0.002464
PYHIN1	1.151009	0.012979		NECAB1	-1.34463	0.00367
SLA	1.150486	0.000602		RAPGEF3	-1.34412	2.09E-11
SNX10	1.148932	8.70E-09		B4GALNT2	-1.34309	7.27E-07
BTK	1.14837	2.92E-05		PCK2	-1.34288	1.16E-05
SLC2A3	1.147286	0.001107		KLHL14	-1.3428	6.20E-08
VSIG4	1.147147	0.001487		ACSM3	-1.33678	7.11E-05
GGTA1P	1.147053	7.24E-05		HOMER1	-1.32546	9.50E-06
TM6SF1	1.144591	0.000312		HRASLS2	-1.32404	6.97E-07
RGS5	1.144327	0.011056		KLK7	-1.32314	3.61E-09
LIPA	1.144223	1.43E-07		SCD5	-1.31972	0.001535
DGCR5	1.143669	0.000363		SUCLG1	-1.31917	1.98E-12
KIAA1524	1.143176	4.53E-06		ADHFE1	-1.31745	5.95E-05
HRH2	1.138503	0.010615		IRF6	-1.31661	0.003172
TENM1	1.137046	0.004023		FRAS1	-1.31405	0.004257
MYO1F	1.136873	3.90E-05		EPB41L5	-1.31307	0.000352
PBK	1.132909	9.48E-05		CDKL2	-1.31196	0.0034
LINC01587	1.132051	0.004758		CLCN5	-1.30885	0.002619
LILRB1	1.129939	9.48E-06		TMEM252	-1.30866	0.02365
TMEM140	1.129932	1.62E-06		GCNT4	-1.30839	0.00751
PARVG	1.129779	0.000512		GRAMD1C	-1.30371	0.000122
FUT11	1.12381	7.20E-10		VSNL1	-1.30103	0.015046
PREX1	1.123369	2.73E-06		PART1	-1.29944	1.20E-13
ABCG1	1.122966	3.57E-05		CLMN	-1.2991	0.000747
HAVCR2	1.122703	0.016685		SYT10	-1.29745	7.98E-12
FRRS1	1.118457	0.021709		ASS1	-1.29584	1.84E-05
PLA1A	1.118415	0.003142		GPX2	-1.29396	0.012707
SDS	1.116323	9.48E-06		PAQR7	-1.28915	4.07E-09
ARHGDIB	1.115788	4.16E-07		EPB41L4B	-1.28832	7.88E-09
IL7R	1.115503	0.046404		PTGS2	-1.28581	0.007204
UHRF1	1.113611	4.04E-05		NPHS1	-1.28559	2.83E-08

HAUS6	1.112805	9.01E-06		CFAP221	-1.28349	7.69E-06
YEATS2	1.110507	3.79E-12		ADTRP	-1.28163	2.63E-07
CIB4	1.107065	0.007772		RNF152	-1.28145	0.000915
ADAP2	1.106968	1.48E-05		ACOX2	-1.27879	2.10E-05
SLFN12L	1.103411	0.000105		SORD	-1.27745	0.000915
THEMIS	1.10327	0.038258		HOXB5	-1.27735	1.68E-10
KCNE4	1.102866	0.014293		RNF43	-1.27308	9.20E-08
ASF1B	1.102566	5.98E-05		CR2	-1.26747	0.00014
RAC2	1.099757	0.001766		PRR15	-1.26708	4.29E-15
GIMAP2	1.099595	0.002632		S100A2	-1.26616	8.29E-09
LGALS1	1.098559	5.07E-09		ZNF503	-1.26601	1.46E-11
KLHL6	1.098554	8.64E-05		BRINP3	-1.26337	3.00E-06
SH3PXD2B	1.09746	0.001681		SLC38A11	-1.26287	0.004585
ITK	1.097381	0.030929		GYLTL1B	-1.26043	4.51E-06
CD109	1.096753	0.002734		SLC16A10	-1.25856	0.029826
WDR76	1.095816	8.36E-08		HOXD8	-1.2561	1.09E-06
NUF2	1.094895	6.23E-05		SNORD14E	-1.25605	0.000237
SERPINB9	1.093819	1.90E-08		IGF2BP2	-1.24814	7.66E-05
SNX33	1.090934	2.55E-05		SCN7A	-1.24499	2.26E-06
ACAN	1.090869	0.00395		TSPAN7	-1.24441	0.021342
CDK1	1.089752	0.000873		IGFBP2	-1.24303	0.002608
SLC2A14	1.087362	2.81E-05		SMIM24	-1.24274	0.001766
SMC4	1.086056	2.80E-08		HOXA7	-1.23927	0.008434
COL15A1	1.085198	0.00183		KITLG	-1.23823	0.002147
ZNF267	1.08381	7.29E-07		ABCA6	-1.23305	0.002306
BIN2	1.082072	0.001542		FERMT1	-1.23183	3.91E-06
NKG7	1.081059	0.033263		STRIP2	-1.23051	0.014301
PRF1	1.080131	0.007038		NEDD4L	-1.23021	0.000117
P2RY8	1.079837	0.000181		GPHN	-1.22839	6.41E-05
CEP170	1.0775	9.07E-08		MBOAT2	-1.22693	1.90E-06
MET	1.07731	2.01E-06		OXCT1	-1.22673	0.000335
SSPN	1.075149	7.69E-06		GPRC5A	-1.22627	0.002957
CDH2	1.071175	1.17E-07		ST14	-1.2256	0.003286
HTATIP2	1.071123	0.000442		SMIM5	-1.22469	2.62E-13
ARRDC2	1.069449	0.000282		CAB39L	-1.22407	2.62E-05
ARHGAP25	1.069236	4.61E-06		RNF180	-1.22317	0.004039
PLVAP	1.067613	0.000243		FER1L6	-1.22295	4.11E-09
CGREF1	1.064794	2.72E-06		CGN	-1.22196	2.02E-06
BST2	1.063209	4.68E-06		ATP1A1	-1.21945	1.95E-08
GIMAP4	1.060775	6.17E-05		CASZ1	-1.2168	8.36E-10
SIGLEC10	1.060362	7.85E-05		CNKSR1	-1.21674	2.63E-07
UNC5B	1.057916	7.78E-05		SCRN1	-1.21477	0.000484
ATAD2	1.057876	0.000257		LLGL2	-1.21131	1.27E-07

ADGRL4	1.057137	0.002252		RHOBTB3	-1.2102	0.03239
CD3D	1.055685	0.0377		RGN	-1.20993	0.001027
ACKR3	1.054983	4.29E-05		AGR2	-1.20731	3.05E-05
AXL	1.05417	2.25E-06		FHOD3	-1.20723	3.50E-06
ZNF248	1.053385	0.006797		ALDH8A1	-1.20676	0.026424
FAS	1.052787	1.36E-05		BPHL	-1.19922	0.000891
JAK3	1.052347	0.000378		NOS1	-1.19844	2.27E-09
GPR141	1.051908	0.00241		TCL6	-1.19624	1.59E-07
RECQL	1.050602	3.09E-07		EMX1	-1.19604	4.17E-14
SULF1	1.04953	0.00853		BSND	-1.19551	2.53E-15
PCDHB11	1.048548	0.026916		GPM6B	-1.19487	6.45E-05
IL2RA	1.046662	0.020742		MAPK10	-1.19476	7.61E-05
KDR	1.045121	0.004997		CPAMD8	-1.19466	1.65E-11
VWCE	1.04223	0.017348		TRPM6	-1.19042	6.35E-08
COL8A1	1.041487	0.003774		GPD1	-1.18798	0.040014
CCDC102B	1.041432	0.002484		IGSF11	-1.18696	7.13E-09
PIK3CG	1.037045	0.000479		TPD52L1	-1.18632	0.000955
EPB41	1.034488	0.004665		NUAK2	-1.18399	0.000232
BUB1B	1.034487	0.000162		RERGL	-1.18332	0.00682
TGM2	1.0316	9.10E-05		PDHA1	-1.1833	1.47E-07
KIF20B	1.030433	5.72E-05		C9orf84	-1.18328	4.14E-11
OAS2	1.030122	0.000785		LAMB4	-1.18004	3.06E-08
FERMT3	1.030119	0.000849		ZDHHC15	-1.17993	0.000198
CLIC2	1.029386	0.000209		NFASC	-1.17965	0.000765
C3orf58	1.029231	4.18E-07		SELE	-1.17828	0.003546
RASA3	1.028919	5.97E-06		NTNG1	-1.17813	7.16E-08
IPMK	1.027435	2.05E-06		PRTG	-1.17397	6.96E-06
ANO2	1.026637	0.00376		TYRP1	-1.17011	2.46E-05
TIMP1	1.025561	1.79E-07		ACAA1	-1.16951	2.31E-11
TNFRSF10B	1.025164	2.14E-05		ASPDH	-1.16943	1.11E-05
KCNK9	1.024515	0.024934		CYFIP2	-1.16829	0.005318
ACLY	1.023419	1.69E-08		KCNMB2	-1.16778	1.50E-07
HSD3B7	1.022767	2.24E-05		CTSH	-1.16726	9.48E-05
MAP3K7CL	1.02223	0.000208		MT1E	-1.16638	0.013801
ATAD5	1.020334	1.88E-07		LRRN1	-1.16592	0.000955
CSF1R	1.020158	0.00027		CLDN19	-1.16414	5.40E-10
C6orf223	1.020125	0.000802		RALGPS1	-1.16395	4.25E-10
KIF2A	1.019716	0.00503		MIR99AHG	-1.16249	0.00071
PROS1	1.017955	0.000384		CEACAM1	-1.16039	0.015352
CST7	1.017232	0.036584		ENPP1	-1.15773	0.02415
MTHFD2	1.014783	0.005561		ZDHHC2	-1.15745	0.001059
CD300A	1.014428	7.54E-06		CYP27B1	-1.15573	1.19E-10
FER1L4	1.013955	0.004496		LDHB	-1.15536	1.27E-07

PTPRE	1.013344	2.94E-09		LNX1	-1.15529	1.37E-07
RNF125	1.01308	0.002779		SUGCT	-1.15516	0.01097
CKAP2	1.013025	8.57E-05		NAALADL2	-1.15346	0.000107
RIMKLA	1.01296	0.000155		PARM1	-1.15233	0.00795
PRDX4	1.011722	1.02E-07		ILDR1	-1.15165	1.27E-07
TRIB3	1.011565	0.015242		C1orf210	-1.15155	0.009379
FAM101B	1.010724	0.003209		PLAG1	-1.14991	1.03E-12
CALU	1.009375	1.26E-05		OVCH2	-1.14722	2.15E-10
VNN2	1.008507	0.017661		FCAMR	-1.13923	0.004766
NFE2L3	1.008436	0.000126		SLC38A3	-1.13811	6.54E-10
PSMB8	1.008064	1.34E-06		EMX2	-1.13746	0.031776
HIST1H2BH	1.006817	0.006208		RDH10	-1.13729	1.38E-05
PYCARD	1.006249	0.000822		NR0B2	-1.13488	5.08E-06
MYOF	1.005998	8.39E-10		OR2T11	-1.13367	0.009917
COL5A2	1.005188	0.006978		CHGB	-1.13317	7.77E-11
GAL3ST4	1.004767	0.00017		PDE8B	-1.1313	0.02931
CCDC88A	1.003157	8.29E-07		EXPH5	-1.12847	0.022602
BAZ1A	1.002463	6.86E-10		CACNA2D3	-1.12443	0.000571
ARL4C	1.002453	0.005149		SVOPL	-1.1232	2.78E-09
ZNF320	1.001989	0.006305		ERBB2	-1.12232	0.000465
NCF2	1.00126	0.000646		SAT2	-1.11971	7.81E-06
				KIF13B	-1.1189	2.27E-06
				SLC30A2	-1.1181	9.20E-10
				TMEM25	-1.11737	2.64E-05
				CHDH	-1.11704	0.004708
				SLC6A16	-1.11694	6.89E-07
				CCDC181	-1.11513	5.66E-11
				ACKR2	-1.11349	2.30E-07
				QPRT	-1.11285	0.003499
				MAGI3	-1.11115	0.000611
				GULP1	-1.10958	0.01748
				OVOL1	-1.1076	8.65E-05
				GABARAPL1	-1.10675	2.09E-08
				HYAL1	-1.10637	2.83E-05
				HS6ST1	-1.10615	7.47E-07
				GRIK5	-1.10461	3.39E-09
				HOXD10	-1.09756	0.02754
				HIF0	-1.0972	1.05E-06
				BLNK	-1.09675	0.000934
				PTPN3	-1.09606	9.88E-05
				HOXB3	-1.09312	3.46E-06
				BMP7	-1.08989	1.62E-09
				CACNA2D2	-1.08926	1.79E-15



				SPAG5	-1.08606	0.0071
				SCTR	-1.08564	1.14E-05
				ADGRV1	-1.08463	2.91E-11
				PCCB	-1.0842	8.44E-09
				CTH	-1.08326	3.85E-05
				SORT1	-1.08206	0.001025
				REEP6	-1.08204	2.02E-07
				PIP5K1B	-1.08156	1.29E-05
				RIMBP2	-1.08119	1.59E-11
				ZNF385B	-1.08093	0.006938
				PBLD	-1.08053	0.023817
				CADM4	-1.0769	1.62E-11
				FSTL4	-1.07417	2.72E-06
				PEPD	-1.07381	0.000943
				SLC23A1	-1.07362	0.018612
				NNT	-1.07245	9.85E-05
				VAT1L	-1.06997	2.41E-06
				PNPLA1	-1.06912	7.01E-08
				PDZD3	-1.06896	3.56E-05
				TDRD1	-1.06864	2.43E-09
				B4GALNT3	-1.06807	2.75E-10
				CFAP43	-1.06745	0.000909
				FBLN1	-1.06659	0.04703
				VWA5B1	-1.0663	2.60E-11
				PDP2	-1.06564	1.52E-06
				TNNT2	-1.0653	8.74E-08
				BSPRY	-1.0652	5.14E-06
				MYO7B	-1.06475	0.023182
				TUBB2B	-1.06403	1.40E-11
				CCDC148	-1.06302	0.013243
				ADH1A	-1.06291	0.002458
				WT1	-1.06229	0.00036
				C3orf52	-1.06148	0.00029
				HNF1A-AS1	-1.05809	0.017752
				MAP3K15	-1.05805	6.27E-05
				ALAD	-1.05753	8.25E-10
				NDRG2	-1.05689	0.000145
				FUT3	-1.05615	1.23E-07
				HIGD1A	-1.05606	1.34E-06
				TM7SF2	-1.0558	2.09E-09
				LAMC2	-1.05537	0.016468
				TBX3	-1.05216	0.00031
				SLC7A9	-1.05109	0.015583

				TBC1D4	-1.05092	9.41E-05
				TMEM116	-1.04994	4.42E-07
				UGT8	-1.04928	0.001233
				SUSD2	-1.04918	0.001261
				NAPEPLD	-1.04852	6.27E-06
				MT1X	-1.04647	0.031946
				FMN2	-1.04473	6.92E-08
				GCM1	-1.04301	0.008383
				FN3K	-1.03439	0.000314
				NSUN7	-1.03411	0.00142
				MAPK4	-1.03369	9.43E-10
				HDHD3	-1.02718	0.000147
				SLC25A4	-1.02712	8.67E-05
				COL14A1	-1.02712	0.04502
				HOXA2	-1.02657	5.20E-06
				PRKAR2B	-1.02605	0.000168
				SNORD116-26	-1.02459	0.018826
				PNPLA3	-1.02458	0.005948
				NR1I3	-1.02443	2.27E-10
				PFN2	-1.02441	0.004143
				IL1RL1	-1.02386	0.035924
				SLC48A1	-1.02215	2.66E-10
				MT1P3	-1.02049	0.000988
				PDE7B	-1.01965	0.002866
				SUSD1	-1.01937	5.25E-05
				CADPS2	-1.01817	1.56E-05
				GGH	-1.01775	0.00117
				HADH	-1.01664	1.18E-07
				FHIT	-1.01661	7.11E-08
				LRRN2	-1.01405	5.94E-05
				TMEM61	-1.01374	9.08E-12
				NXPH2	-1.00981	5.96E-07
				STRA6	-1.0091	5.89E-07
				C14orf105	-1.00903	0.027539
				CPNE6	-1.0088	2.18E-07
				PXK	-1.00812	1.73E-10
				PLCD4	-1.00707	1.45E-05
				LGI2	-1.00697	0.021727
				MNS1	-1.0056	0.002862
				CMYA5	-1.00462	0.02912
				SLC5A3	-1.00457	0.01172
				CYP2B7P	-1.0009	0.008144
				SH3GL2	-1.00069	5.06E-08

				PLAU	-1.00015	0.002866
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**Supplementary Table S3.** DEGs between primary ccRCC and metastasis samples.

<b>Gene</b>	<b>log FC</b>	<b>Ave Expr</b>	<b>P value</b>	<b>adj. P value</b>
CHGB	3.070222	5.851114	1.62E-12	3.04E-08
TH	1.090517	6.816998	1.70E-08	0.000108
DBH	1.142434	7.04917	1.74E-08	0.000108
DLK1	2.25242	7.305318	1.46E-07	0.000454
PLCXD3	1.53389	5.802862	4.61E-06	0.007195
STAR	1.546859	6.133575	6.47E-06	0.009105
NNAT	1.012663	6.606906	8.58E-06	0.010714
C8ORF4	1.76932	7.773389	1.35E-05	0.01491
CYP11A1	1.505502	5.756613	1.55E-05	0.016155
CYP11B1	1.622825	7.067234	1.75E-05	0.017212
HSD3B2	2.741078	6.070537	2.14E-05	0.019038

**Supplementary Table S4.** String interactions for all DEGs.

Node 1	Node 2	Node 1 string internal ID	Node 2 string internal ID	Node1 external ID	Node2 external ID	Neighborhood chromosome	Gene fusion	Phylogenetic cooccurrence	Homology	Coexpression	Experimentally determined interaction	Automated textmining	Combined score
SMC4	NCA PG	1852454	1844063	9606.ENSP000341382	9606.ENSP00000251496	0	0	0	0	0.268	0.999	0.81	0.999
BUB1B	CEN PE	1847075	1845701	9606.ENSP000287598	9606.ENSP00000265148	0	0	0	0	0.157	0.93	0.974	0.999
NEDD4L	SCN N1B	1858810	1852969	9606.ENSP000383199	9606.ENSP00000345751	0	0	0	0	0	0.999	0.683	0.999
NEDD4L	SCN N1A	1858810	1853964	9606.ENSP000383199	9606.ENSP00000353292	0	0	0	0	0	0.999	0.839	0.999

ITK	LCP2	1860 098	1842 217	9606.E NSP00 000398 655	9606.ENS P0000004 6794	0	0	0	0	0	0.992	0.952	0.999
BUB 1	NUF 2	1848 415	1846 198	9606.E NSP00 000302 530	9606.ENS P0000027 1452	0	0	0	0	0.134	0.989	0.798	0.999
BUB 1	BUB 1B	1848 415	1847 075	9606.E NSP00 000302 530	9606.ENS P0000028 7598	0	0	0	0.619	0.168	0.999	0.972	0.999
CDK 1	CDC 6	1858 283	1842 453	9606.E NSP00 000378 699	9606.ENS P0000020 9728	0	0	0	0	0.249	0.954	0.97	0.999
PLA U	SER PINE 1	1855 748	1842 959	9606.E NSP00 000361 850	9606.ENS P0000022 3095	0.083	0	0	0	0	0.991	0.91	0.999
IL2R A	IL2R B	1857 121	1842 567	9606.E NSP00 000369 293	9606.ENS P0000021 6223	0	0	0	0	0	0.979	0.72	0.999

ATP6 VOD 2	ATP 6V1 B1	1846 960	1843 400	9606.E NSP00 000285 393	9606.ENS P0000023 4396	0.462	0	0	0	0.733	0.562	0.872	0.999
NPH S1	NPH S2	1856 951	1854 633	9606.E NSP00 000368 190	9606.ENS P0000035 6587	0	0	0	0	0	0.821	0.971	0.999
C1Q A	C1Q B	1856 156	1849 670	9606.E NSP00 000363 773	9606.ENS P0000031 3967	0	0	0	0.862	0.384	0.991	0.842	0.999
FYB	LCP2	1861 668	1842 217	9606.E NSP00 000425 845	9606.ENS P0000004 6794	0	0	0	0	0.074	0.998	0.943	0.999
CD18 0	LY86	1844 437	1843 258	9606.E NSP00 000256 447	9606.ENS P0000023 0568	0	0	0	0	0.112	0.992	0.814	0.999
FGF R2	FGF1	1860 837	1852 115	9606.E NSP00 000410 294	9606.ENS P0000033 8548	0	0	0	0	0	0.999	0.98	0.999

NUF 2	NDC 80	1846 198	1844 946	9606.E NSP00 000271 452	9606.ENS P0000026 1597	0	0	0	0	0.222	0.999	0.969	0.999
KIT	KITL G	1847 112	1843 134	9606.E NSP00 000288 135	9606.ENS P0000022 8280	0	0	0	0	0	0.991	0.973	0.999
ITGB 2	ITG AX	1848 511	1846 012	9606.E NSP00 000303 242	9606.ENS P0000026 8296	0	0	0	0	0	0.991	0.692	0.999
CAV 1	EGF R	1852 186	1846 445	9606.E NSP00 000339 191	9606.ENS P0000027 5493	0	0	0	0	0	0.995	0.714	0.999
MMP 9	TIM P1	1855 661	1842 705	9606.E NSP00 000361 405	9606.ENS P0000021 8388	0	0	0	0	0	0.605	0.996	0.999
SERP INE1	PLA T	1842 959	1842 802	9606.E NSP00 000223 095	9606.ENS P0000022 0809	0.083	0	0	0	0	0.917	0.936	0.999



EGFR	EGF	1846 445	1845 705	9606.E NSP00 000275 493	9606.ENS P0000026 5171	0	0	0	0	0	0.999	0.227	0.999
CCNA2	CDC6	1846 354	1842 453	9606.E NSP00 000274 026	9606.ENS P0000020 9728	0	0	0	0	0.288	0.936	0.906	0.999
ITGB2	ICAM1	1848 511	1845 628	9606.E NSP00 000303 242	9606.ENS P0000026 4832	0	0	0	0	0	0.963	0.87	0.999
VEGFA	KDR	1855 611	1845 437	9606.E NSP00 000361 125	9606.ENS P0000026 3923	0	0	0	0	0	0.999	0.986	0.999
NCK1	LCP2	1847 149	1842 217	9606.E NSP00 000288 986	9606.ENS P0000004 6794	0	0	0	0	0	0.992	0.942	0.999
PLG1	SERPINE1	1849 130	1842 959	9606.E NSP00 000308 938	9606.ENS P0000022 3095	0.083	0	0	0	0	0.576	0.98	0.999

PLK1	BUB 1B	1848 135	1847 075	9606.E NSP00 000300 093	9606.ENS P0000028 7598	0	0	0	0	0.271	0.962	0.948	0.999
BUB 1	NDC 80	1848 415	1844 946	9606.E NSP00 000302 530	9606.ENS P0000026 1597	0	0	0	0	0.458	0.989	0.776	0.999
TGF B1	DCN	1842 869	1842 218	9606.E NSP00 000221 930	9606.ENS P0000005 2754	0	0	0	0	0	0.962	0.938	0.999
CDK 1	CCN A2	1858 283	1846 354	9606.E NSP00 000378 699	9606.ENS P0000027 4026	0	0.01	0	0	0.288	0.999	0.949	0.999
NED D4L	SCN N1G	1858 810	1848 129	9606.E NSP00 000383 199	9606.ENS P0000030 0061	0	0	0	0	0	0.998	0.79	0.999
RAC 2	ARH GDI B	1843 949	1843 176	9606.E NSP00 000249 071	9606.ENS P0000022 8945	0	0	0	0	0.096	0.979	0.855	0.999

CD3 E	CD3 D	1854 149	1848 206	9606.E NSP00 000354 566	9606.ENS P0000030 0692	0	0	0	0	0.157	0.979	0.811	0.999
PGF	FLT1	1862 737	1846 791	9606.E NSP00 000451 040	9606.ENS P0000028 2397	0	0	0	0	0	0.996	0.974	0.999
VEG FA	FLT1	1855 611	1846 791	9606.E NSP00 000361 125	9606.ENS P0000028 2397	0	0	0	0	0	0.999	0.986	0.999
EGF R	ERB B2	1846 445	1846 101	9606.E NSP00 000275 493	9606.ENS P0000026 9571	0	0	0	0.947	0	0.999	0.988	0.999
ELM O1	DOC K2	1849 503	1844 476	9606.E NSP00 000312 185	9606.ENS P0000025 6935	0	0	0	0	0	0.97	0.976	0.999
CDK 1	CCN B2	1858 283	1847 117	9606.E NSP00 000378 699	9606.ENS P0000028 8207	0	0	0	0	0.661	0.927	0.984	0.999

ITGA L	ICA M1	1853 413	1845 628	9606.E NSP00 000349 252	9606.ENS P0000026 4832	0	0	0	0	0	0.991	0.98	0.999
TGF A	EGF R	1847 571	1846 445	9606.E NSP00 000295 400	9606.ENS P0000027 5493	0	0	0	0	0	0.988	0.941	0.999
NCF 2	RAC 2	1854 612	1843 949	9606.E NSP00 000356 505	9606.ENS P0000024 9071	0	0	0	0	0	0.917	0.992	0.999
CEN PF	CEN PE	1854 480	1845 701	9606.E NSP00 000355 922	9606.ENS P0000026 5148	0	0	0	0	0.147	0.576	0.985	0.999
CIQ A	CIQ C	1856 156	1856 155	9606.E NSP00 000363 773	9606.ENS P0000036 3768	0	0	0	0.822	0.477	0.98	0.831	0.999
PLK1	CCN B2	1848 135	1847 117	9606.E NSP00 000300 093	9606.ENS P0000028 8207	0	0	0	0	0.793	0.361	0.893	0.998

PLK1	MLF IIP	1848 135	1846 726	9606.E NSP00 000300 093	9606.ENS P0000028 1453	0	0	0	0	0.121	0.804	0.908	0.998
NPH S1	NCK 1	1856 951	1847 149	9606.E NSP00 000368 190	9606.ENS P0000028 8986	0	0	0	0	0	0.812	0.912	0.998
ATP6 VOA 4	ATP 6V1 B1	1844 258	1843 400	9606.E NSP00 000253 856	9606.ENS P0000023 4396	0.462	0	0	0	0.232	0.428	0.941	0.998
BUB 1	PLK 1	1848 415	1848 135	9606.E NSP00 000302 530	9606.ENS P0000030 0093	0	0	0	0	0.183	0.722	0.933	0.998
NCK 1	EGF R	1847 149	1846 445	9606.E NSP00 000288 986	9606.ENS P0000027 5493	0	0	0	0	0	0.981	0.909	0.998
CDK 1	RRM 2	1858 283	1854 033	9606.E NSP00 000378 699	9606.ENS P0000035 3770	0	0	0	0	0.879	0.791	0.576	0.998

MMP 9	PLG	1855 661	1849 130	9606.E NSP00 000361 405	9606.ENS P0000030 8938	0	0	0	0	0	0.576	0.962	0.998
KLH L3	WN K4	1849 529	1843 844	9606.E NSP00 000312 397	9606.ENS P0000024 6914	0	0	0	0	0	0.996	0.509	0.998
VSIG 4	C3	1856 173	1843 781	9606.E NSP00 000363 869	9606.ENS P0000024 5907	0	0	0	0	0	0.98	0.908	0.998
FN1	ITG A5	1853 098	1847 411	9606.E NSP00 000346 839	9606.ENS P0000029 3379	0	0	0	0	0	0.963	0.522	0.998
BUB 1	CEN PE	1848 415	1845 701	9606.E NSP00 000302 530	9606.ENS P0000026 5148	0	0	0	0	0.223	0.664	0.934	0.998
BMP 7	SOS TDC 1	1858 342	1848 687	9606.E NSP00 000379 204	9606.ENS P0000030 4930	0	0	0	0	0	0.812	0.903	0.998

CD3 G	CD3 E	1861 876	1854 149	9606.E NSP00 000431 445	9606.ENS P0000035 4566	0	0	0	0	0.182	0.915	0.812	0.998
IGFB P3	PLG	1857 331	1849 130	9606.E NSP00 000370 473	9606.ENS P0000030 8938	0	0	0	0	0	0.812	0.876	0.997
PTP N13	FAS	1859 831	1853 242	9606.E NSP00 000394 794	9606.ENS P0000034 7979	0	0	0	0	0	0.963	0.419	0.997
CDK 1	FOX M1	1858 283	1852 579	9606.E NSP00 000378 699	9606.ENS P0000034 2307	0	0	0	0	0.167	0.643	0.93	0.997
BMP 7	BMP R1B	1858 342	1845 568	9606.E NSP00 000379 204	9606.ENS P0000026 4568	0	0	0	0	0	0.86	0.819	0.997
ATP6 VIC2	ATP 6V1 B1	1846 240	1843 400	9606.E NSP00 000272 238	9606.ENS P0000023 4396	0	0	0	0	0.239	0.723	0.913	0.997

CDK 1	KIF1 1	1858 283	1844 817	9606.E NSP00 000378 699	9606.ENS P0000026 0731	0	0	0	0	0.436	0.851	0.977	0.997
MMP 1	TIM P1	1850 481	1842 705	9606.E NSP00 000322 788	9606.ENS P0000021 8388	0	0	0	0	0	0.958	0.938	0.997
ATP6 VOD 2	ATP 6V0 A4	1846 960	1844 258	9606.E NSP00 000285 393	9606.ENS P0000025 3856	0.462	0	0	0	0.157	0.61	0.871	0.997
C1Q C	C1Q B	1856 155	1849 670	9606.E NSP00 000363 768	9606.ENS P0000031 3967	0	0	0	0.92	0.405	0.955	0.812	0.997
MUC 1	EGF R	1854 790	1846 445	9606.E NSP00 000357 380	9606.ENS P0000027 5493	0	0	0	0	0	0.976	0.912	0.997
PGF	VEG FA	1862 737	1855 611	9606.E NSP00 000451 040	9606.ENS P0000036 1125	0	0	0	0.89	0	0.973	0.972	0.997



NCK 1	KDR	1847 149	1845 437	9606.E NSP00 000288 986	9606.ENS P0000026 3923	0	0	0	0	0	0.816	0.866	0.997
ATP6 V0D 2	ATP 6V1 C2	1846 960	1846 240	9606.E NSP00 000285 393	9606.ENS P0000027 2238	0	0	0	0	0.288	0.722	0.885	0.997
CR2	C3	1854 505	1843 781	9606.E NSP00 000356 024	9606.ENS P0000024 5907	0	0	0	0	0	0.955	0.491	0.997
CDK 1	PRC 1	1858 283	1858 173	9606.E NSP00 000378 699	9606.ENS P0000037 7793	0	0	0	0	0.331	0.866	0.913	0.997
PLG	HRG	1849 130	1843 307	9606.E NSP00 000308 938	9606.ENS P0000023 2003	0	0	0	0	0.269	0.576	0.939	0.997
NUF 2	CEN PE	1846 198	1845 701	9606.E NSP00 000271 452	9606.ENS P0000026 5148	0	0	0	0	0.172	0.853	0.833	0.997

ITGA L	ITGB 2	1853 413	1848 511	9606.E NSP00 000349 252	9606.ENS P0000030 3242	0	0	0	0	0	0.683	0.929	0.997
ERB B4	ERB B2	1852 571	1846 101	9606.E NSP00 000342 235	9606.ENS P0000026 9571	0	0	0	0.938	0	0.961	0.974	0.996
CDK 1	BUB 1B	1858 283	1847 075	9606.E NSP00 000378 699	9606.ENS P0000028 7598	0	0	0	0	0.177	0.175	0.952	0.996
PSA T1	PHG DH	1856 523	1855 016	9606.E NSP00 000365 773	9606.ENS P0000035 8417	0.462	0	0	0	0.736	0	0.763	0.996
NRP 2	FLT1	1854 002	1846 791	9606.E NSP00 000353 582	9606.ENS P0000028 2397	0	0	0	0	0	0.576	0.928	0.996
KIF2 0A	PLK 1	1858 244	1848 135	9606.E NSP00 000378 356	9606.ENS P0000030 0093	0	0	0	0	0.181	0	0.96	0.996

EGFR	DCN	1846 445	1842 218	9606.E NSP00 000275 493	9606.ENS P0000005 2754	0	0	0	0	0	0.822	0.897	0.996
CDK1	EZH2	1858 283	1850 211	9606.E NSP00 000378 699	9606.ENS P0000032 0147	0	0	0	0	0.099	0.961	0.898	0.996
FGFR2	FGF9	1860 837	1857 512	9606.E NSP00 000410 294	9606.ENS P0000037 1790	0	0	0	0	0	0.808	0.904	0.996
CDK1	BUB1	1858 283	1848 415	9606.E NSP00 000378 699	9606.ENS P0000030 2530	0	0	0	0	0.183	0.709	0.855	0.996
OGDHL	ACY	1856 045	1844 250	9606.E NSP00 000363 216	9606.ENS P0000025 3792	0.608	0	0	0	0.961	0	0.779	0.996
CASP1	PYCARD	1860 827	1843 869	9606.E NSP00 000410 076	9606.ENS P0000024 7470	0	0	0	0	0.108	0.692	0.89	0.996

PTH LH	PTH IR	1858 343	1850 409	9606.E NSP00 000379 213	9606.ENS P0000032 1999	0	0	0	0	0	0.576	0.903	0.995
PLK1	NDC 80	1848 135	1844 946	9606.E NSP00 000300 093	9606.ENS P0000026 1597	0	0	0	0	0.734	0.722	0.489	0.995
MYC	CCN D1	1856 789	1843 117	9606.E NSP00 000367 207	9606.ENS P0000022 7507	0	0	0	0	0	0	0.979	0.995
JAK3	IL2R B	1859 586	1842 567	9606.E NSP00 000391 676	9606.ENS P0000021 6223	0	0	0	0	0	0.576	0.901	0.995
DOC K2	RAC 2	1844 476	1843 949	9606.E NSP00 000256 935	9606.ENS P0000024 9071	0	0	0	0	0	0.825	0.748	0.995
GLD C	SHM T2	1857 365	1851 612	9606.E NSP00 000370 737	9606.ENS P0000033 3667	0.284	0	0	0	0.639	0	0.847	0.995

RHO H	ARH GDI B	1857 435	1843 176	9606.E NSP00 000371 219	9606.ENS P0000022 8945	0	0	0	0	0	0.868	0.671	0.995
CD27	CD7 0	1845 882	1843 780	9606.E NSP00 000266 557	9606.ENS P0000024 5903	0	0	0	0	0	0.812	0.87	0.994
GJA1	CDH 2	1846 806	1846 066	9606.E NSP00 000282 561	9606.ENS P0000026 9141	0	0	0	0	0	0.149	0.942	0.994
PLK1	CCN A2	1848 135	1846 354	9606.E NSP00 000300 093	9606.ENS P0000027 4026	0	0	0	0	0.878	0.667	0.878	0.994
CEN PE	NDC 80	1845 701	1844 946	9606.E NSP00 000265 148	9606.ENS P0000026 1597	0	0	0	0	0.288	0.629	0.806	0.994
VEG FA	VWF	1855 611	1844 904	9606.E NSP00 000361 125	9606.ENS P0000026 1405	0	0	0	0	0	0	0.942	0.994

F11	KNG 1	1858 999	1845 668	9606.E NSP00 000384 957	9606.ENS P0000026 5023	0	0	0	0	0.064	0.812	0.703	0.994
PRC1	PLK 1	1858 173	1848 135	9606.E NSP00 000377 793	9606.ENS P0000030 0093	0	0	0	0	0.526	0.807	0.944	0.994
NCK 1	BLN K	1847 149	1842 996	9606.E NSP00 000288 986	9606.ENS P0000022 4337	0	0	0	0	0	0.866	0.951	0.993
CDK 1	CDK N3	1858 283	1851 839	9606.E NSP00 000378 699	9606.ENS P0000033 5357	0	0	0	0	0.113	0.857	0.951	0.993
ESR RG	NR0 B2	1859 115	1844 279	9606.E NSP00 000386 171	9606.ENS P0000025 4227	0	0	0	0	0	0.913	0.325	0.993
TGF A	ERB B2	1847 571	1846 101	9606.E NSP00 000295 400	9606.ENS P0000026 9571	0	0	0	0	0	0.881	0.505	0.993

MET	PLX NB1	1849 944	1847 728	9606.E NSP00 000317 272	9606.ENS P0000029 6440	0	0	0	0.613	0	0.912	0.879	0.993
FBL N5	LOX	1852 883	1843 271	9606.E NSP00 000345 008	9606.ENS P0000023 1004	0	0	0	0	0	0.808	0.69	0.993
PIK3 CG	KIT	1853 801	1847 112	9606.E NSP00 000352 121	9606.ENS P0000028 8135	0	0	0	0	0	0.954	0.347	0.993
ALB	SER PINE 1	1847 637	1842 959	9606.E NSP00 000295 897	9606.ENS P0000022 3095	0	0	0	0	0	0	0.937	0.993
TGF B1	TIM P1	1842 869	1842 705	9606.E NSP00 000221 930	9606.ENS P0000021 8388	0	0	0	0	0	0	0.939	0.993
CEN PF	BUB 1	1854 480	1848 415	9606.E NSP00 000355 922	9606.ENS P0000030 2530	0	0	0	0	0.112	0	0.934	0.993

VEG FA	TGF B1	1855 611	1842 869	9606.E NSP00 000361 125	9606.ENS P0000022 1930	0	0	0	0	0	0	0.942	0.993
SERP INE1	TGF B1	1842 959	1842 869	9606.E NSP00 000223 095	9606.ENS P0000022 1930	0	0	0	0	0	0	0.941	0.993
CDK 1	CCN E2	1858 283	1849 155	9606.E NSP00 000378 699	9606.ENS P0000030 9181	0	0	0	0	0.097	0.586	0.849	0.993
ERB B4	EGF	1852 571	1845 705	9606.E NSP00 000342 235	9606.ENS P0000026 5171	0	0	0	0	0	0.992	0.146	0.993
FOX M1	PLK 1	1852 579	1848 135	9606.E NSP00 000342 307	9606.ENS P0000030 0093	0	0	0	0	0.184	0.108	0.924	0.993
ATP6 V1C2	ATP 6V0 A4	1846 240	1844 258	9606.E NSP00 000272 238	9606.ENS P0000025 3856	0	0	0	0	0.113	0.43	0.874	0.992



CDK 1	PLK 1	1858 283	1848 135	9606.E NSP00 000378 699	9606.ENS P0000030 0093	0	0	0	0.669	0.734	0.611	0.986	0.992
NRP 2	KDR	1854 002	1845 437	9606.E NSP00 000353 582	9606.ENS P0000026 3923	0	0	0	0	0	0	0.928	0.992
PDH A1	PDK 1	1857 098	1846 769	9606.E NSP00 000369 134	9606.ENS P0000028 2077	0	0	0	0	0	0.842	0.583	0.992
NFA SC	ANK 3	1852 857	1846 690	9606.E NSP00 000344 786	9606.ENS P0000028 0772	0	0	0	0	0.07	0.097	0.991	0.992
MMP 9	TGF B1	1855 661	1842 869	9606.E NSP00 000361 405	9606.ENS P0000022 1930	0	0	0	0	0	0.87	0.942	0.992
CD36	TLR 2	1849 038	1844 747	9606.E NSP00 000308 165	9606.ENS P0000026 0010	0	0	0	0	0	0	0.928	0.992

KIF2 A	PLK 1	1859 005	1848 135	9606.E NSP00 000385 000	9606.ENS P0000030 0093	0	0	0	0	0.091	0	0.911	0.991
RRM 2	TYM S	1854 033	1849 803	9606.E NSP00 000353 770	9606.ENS P0000031 5644	0.118	0	0	0	0.731	0	0.675	0.991
MMP 9	VEG FA	1855 661	1855 611	9606.E NSP00 000361 405	9606.ENS P0000036 1125	0	0	0	0	0	0	0.961	0.991
LY96	LY86	1846 928	1843 258	9606.E NSP00 000284 818	9606.ENS P0000023 0568	0	0	0	0	0	0.576	0.815	0.991
VEG FA	EGF R	1855 611	1846 445	9606.E NSP00 000361 125	9606.ENS P0000027 5493	0	0	0	0	0	0	0.96	0.991
ERB B4	EGF R	1852 571	1846 445	9606.E NSP00 000342 235	9606.ENS P0000027 5493	0	0	0	0.952	0	0.911	0.98	0.991

PLK2	CCN A2	1846 372	1846 354	9606.E NSP00 000274 289	9606.ENS P0000027 4026	0	0	0	0	0.878	0.667	0.776	0.99
VEG FA	PLG	1855 611	1849 130	9606.E NSP00 000361 125	9606.ENS P0000030 8938	0	0	0	0	0	0	0.908	0.99
MLF 1IP	NDC 80	1846 726	1844 946	9606.E NSP00 000281 453	9606.ENS P0000026 1597	0	0	0	0	0.099	0	0.903	0.99
ANK 2	NFA SC	1853 464	1852 857	9606.E NSP00 000349 588	9606.ENS P0000034 4786	0	0	0	0	0.07	0.102	0.898	0.99
KN G 1	SER PINE 1	1845 668	1842 959	9606.E NSP00 000265 023	9606.ENS P0000022 3095	0	0	0	0	0	0	0.91	0.99
MMP 9	CDH 2	1855 661	1846 066	9606.E NSP00 000361 405	9606.ENS P0000026 9141	0	0	0	0	0	0	0.912	0.99

CXC L10	CCL 5	1848 754	1847 396	9606.E NSP00 000305 651	9606.ENS P0000029 3272	0	0	0	0	0.111	0	0.901	0.99
CYFI P2	NCK AP1 L	1850 773	1847 410	9606.E NSP00 000325 817	9606.ENS P0000029 3373	0	0	0	0	0.152	0.716	0.83	0.99
HEY 1	KDR	1852 090	1845 437	9606.E NSP00 000338 272	9606.ENS P0000026 3923	0	0	0	0	0	0	0.893	0.989
PLK1	CDC 6	1848 135	1842 453	9606.E NSP00 000300 093	9606.ENS P0000020 9728	0	0	0	0	0.183	0.576	0.903	0.989
BUB 1B	KIF1 8A	1847 075	1845 299	9606.E NSP00 000287 598	9606.ENS P0000026 3181	0	0	0	0	0.107	0.224	0.865	0.989
ATP6 V1G 3	ATP 6V1 C2	1846 704	1846 240	9606.E NSP00 000281 087	9606.ENS P0000027 2238	0	0	0	0	0.114	0.464	0.798	0.989

SH3 GL2	EGF R	1857 254	1846 445	9606.E NSP00 000369 981	9606.ENS P0000027 5493	0	0	0	0	0	0.884	0.143	0.989
ANG PT2	KDR	1849 738	1845 437	9606.E NSP00 000314 897	9606.ENS P0000026 3923	0	0	0	0	0	0.063	0.949	0.989
PLG	KNG 1	1849 130	1845 668	9606.E NSP00 000308 938	9606.ENS P0000026 5023	0	0	0	0	0.227	0.576	0.7	0.988
PLK1	KIF1 1	1848 135	1844 817	9606.E NSP00 000300 093	9606.ENS P0000026 0731	0	0	0	0	0.72	0	0.961	0.988
CDK 1	CCN D1	1858 283	1843 117	9606.E NSP00 000378 699	9606.ENS P0000022 7507	0	0	0	0	0	0.867	0.913	0.988
PFKP	ALD OC	1857 335	1843 081	9606.E NSP00 000370 517	9606.ENS P0000022 6253	0	0	0	0	0.444	0	0.816	0.988

ITGA X	ICA M1	1846 012	1845 628	9606.E NSP00 000268 296	9606.ENS P0000026 4832	0	0	0	0	0	0	0.887	0.988
CEN PI	CEN PK	1855 785	1843 648	9606.E NSP00 000362 018	9606.ENS P0000024 2872	0	0	0	0	0.142	0.074	0.871	0.988
CEN PF	FOX M1	1854 480	1852 579	9606.E NSP00 000355 922	9606.ENS P0000034 2307	0	0	0	0	0.076	0	0.887	0.988
PFKP	ALD OB	1857 335	1856 191	9606.E NSP00 000370 517	9606.ENS P0000036 3988	0	0	0	0	0.444	0	0.803	0.988
VEG FA	ERB B2	1855 611	1846 101	9606.E NSP00 000361 125	9606.ENS P0000026 9571	0	0	0	0	0	0	0.942	0.988
TRE M2	TYR OBP	1855 832	1845 185	9606.E NSP00 000362 205	9606.ENS P0000026 2629	0	0	0	0	0	0.576	0.746	0.988

CAV 1	CAV 2	1852 186	1842 935	9606.E NSP00 000339 191	9606.ENS P0000022 2693	0	0	0	0.871	0.183	0.983	0.913	0.987
PLA U	MMP 9	1855 748	1855 661	9606.E NSP00 000361 850	9606.ENS P0000036 1405	0	0	0	0	0	0	0.88	0.987
PFKP	HK2	1857 335	1847 242	9606.E NSP00 000370 517	9606.ENS P0000029 0573	0	0	0	0	0.071	0	0.872	0.987
VEG FA	KIT	1855 611	1847 112	9606.E NSP00 000361 125	9606.ENS P0000028 8135	0	0	0	0	0	0	0.941	0.987
ITGA X	C3	1846 012	1843 781	9606.E NSP00 000268 296	9606.ENS P0000024 5907	0	0	0	0	0	0.812	0.397	0.987
ACA N	MMP 1	1859 267	1850 481	9606.E NSP00 000387 356	9606.ENS P0000032 2788	0	0	0	0	0	0.576	0.72	0.987

SCN 2A	ANK 3	1846 845	1846 690	9606.E NSP00 000283 256	9606.ENS P0000028 0772	0	0	0	0	0	0.812	0.927	0.986
HMG CS2	ACA A1	1855 015	1851 610	9606.E NSP00 000358 414	9606.ENS P0000033 3664	0.462	0	0	0	0.15	0.449	0.53	0.986
MYC	CCN E2	1856 789	1849 155	9606.E NSP00 000367 207	9606.ENS P0000030 9181	0	0	0	0	0	0	0.866	0.986
CEN PI	NDC 80	1855 785	1844 946	9606.E NSP00 000362 018	9606.ENS P0000026 1597	0	0	0	0	0.265	0.309	0.76	0.986
MET	DCN	1849 944	1842 218	9606.E NSP00 000317 272	9606.ENS P0000005 2754	0	0	0	0	0	0.59	0.849	0.986
MTH FD2	SHM T2	1858 157	1851 612	9606.E NSP00 000377 617	9606.ENS P0000033 3667	0.462	0	0	0	0.288	0.249	0.611	0.986



VCA N	DCN	1845 684	1842 218	9606.E NSP00 000265 077	9606.ENS P0000005 2754	0	0	0	0	0	0	0.87	0.986
ATP6 V1G 3	ATP 6V1 B1	1846 704	1843 400	9606.E NSP00 000281 087	9606.ENS P0000023 4396	0	0	0	0	0.145	0.464	0.718	0.985
VEG FA	MET	1855 611	1849 944	9606.E NSP00 000361 125	9606.ENS P0000031 7272	0	0	0	0	0	0	0.928	0.985
DUS P10	MAP K10	1854 467	1853 804	9606.E NSP00 000355 866	9606.ENS P0000035 2157	0	0	0	0	0	0.6	0.827	0.985
CEN PI	MLF IIP	1855 785	1846 726	9606.E NSP00 000362 018	9606.ENS P0000028 1453	0	0	0	0	0.115	0.33	0.768	0.984
CYB B	NCF 2	1856 898	1854 612	9606.E NSP00 000367 851	9606.ENS P0000035 6505	0	0	0	0	0.093	0.576	0.87	0.984

MYC	NDR G2	1856 789	1847 981	9606.E NSP00 000367 207	9606.ENS P0000029 8687	0	0	0	0	0	0	0.854	0.984
PTG S2	CAV 1	1854 602	1852 186	9606.E NSP00 000356 438	9606.ENS P0000033 9191	0	0	0	0	0	0.915	0.821	0.984
HAD H	ACA A1	1859 056	1851 610	9606.E NSP00 000385 638	9606.ENS P0000033 3664	0.462	0.079	0	0	0.158	0.36	0.541	0.984
PLK1	CEN PE	1848 135	1845 701	9606.E NSP00 000300 093	9606.ENS P0000026 5148	0	0	0	0	0.426	0	0.748	0.984
LY96	TLR 2	1846 928	1844 747	9606.E NSP00 000284 818	9606.ENS P0000026 0010	0	0	0	0	0	0.576	0.632	0.983
ERB B2	CCN D1	1846 101	1843 117	9606.E NSP00 000269 571	9606.ENS P0000022 7507	0	0	0	0	0	0.57	0.962	0.983

SCN N1A	SCN N1B	1853 964	1852 969	9606.E NSP00 000353 292	9606.ENS P0000034 5751	0	0	0	0.834	0	0.808	0.967	0.983
FLT1	KDR	1846 791	1845 437	9606.E NSP00 000282 397	9606.ENS P0000026 3923	0	0	0	0.918	0	0.823	0.989	0.983
C3A R1	C3	1848 367	1843 781	9606.E NSP00 000302 079	9606.ENS P0000024 5907	0	0	0	0	0	0.576	0.629	0.982
SCN N1B	SCN N1G	1852 969	1848 129	9606.E NSP00 000345 751	9606.ENS P0000030 0061	0	0	0	0.882	0.076	0.808	0.937	0.982
VEG FA	ANG PT2	1855 611	1849 738	9606.E NSP00 000361 125	9606.ENS P0000031 4897	0	0	0	0	0	0.564	0.961	0.982
HCK	EGF R	1856 392	1846 445	9606.E NSP00 000365 012	9606.ENS P0000027 5493	0	0	0	0.71	0	0.789	0.7	0.982

CDK 1	SMC 4	1858 283	1852 454	9606.E NSP00 000378 699	9606.ENS P0000034 1382	0	0	0	0	0.183	0.695	0.342	0.981
SELE	SELP LG	1851 385	1843 143	9606.E NSP00 000331 736	9606.ENS P0000022 8463	0	0	0	0	0	0.576	0.606	0.981
SERP INA5	PRO C	1851 559	1843 382	9606.E NSP00 000333 203	9606.ENS P0000023 4071	0.083	0	0	0	0.069	0.808	0.512	0.981
TOP2 A	REC QL	1860 923	1859 865	9606.E NSP00 000411 532	9606.ENS P0000039 5449	0	0	0	0	0.07	0.89	0.837	0.981
FOXI 1	SLC2 6A4	1848 621	1845 790	9606.E NSP00 000304 286	9606.ENS P0000026 5715	0	0	0	0	0	0	0.981	0.981
BRC A2	FAN CI	1857 163	1849 356	9606.E NSP00 000369 497	9606.ENS P0000031 0842	0	0	0	0	0	0	0.82	0.981

FN1	TGF B1	1853 098	1842 869	9606.E NSP00 000346 839	9606.ENS P0000022 1930	0	0	0	0	0	0	0.825	0.981
VWF	SER PINE 1	1844 904	1842 959	9606.E NSP00 000261 405	9606.ENS P0000022 3095	0	0	0	0	0	0	0.815	0.98
ALB	VWF	1847 637	1844 904	9606.E NSP00 000295 897	9606.ENS P0000026 1405	0	0	0	0	0	0	0.814	0.98
CXC L9	CCL 5	1854 250	1847 396	9606.E NSP00 000354 901	9606.ENS P0000029 3272	0	0	0	0	0	0	0.812	0.98
BUB 1B	NDC 80	1847 075	1844 946	9606.E NSP00 000287 598	9606.ENS P0000026 1597	0	0	0	0	0.181	0	0.786	0.98
PRO S1	PLG	1858 171	1849 130	9606.E NSP00 000377 783	9606.ENS P0000030 8938	0	0	0	0	0	0	0.811	0.98

CDK 1	RGC C	1858 283	1857 014	9606.E NSP00 000378 699	9606.ENS P0000036 8664	0	0	0	0	0	0.812	0.896	0.979
MYC	KIA A152 4	1856 789	1847 617	9606.E NSP00 000367 207	9606.ENS P0000029 5746	0	0	0	0	0	0.808	0.898	0.979
CEN PI	NUF 2	1855 785	1846 198	9606.E NSP00 000362 018	9606.ENS P0000027 1452	0	0	0	0	0.174	0.309	0.663	0.978
MYC	HMG CS2	1856 789	1855 015	9606.E NSP00 000367 207	9606.ENS P0000035 8414	0	0	0	0	0	0	0.796	0.978
ACL Y	LDH B	1844 250	1843 197	9606.E NSP00 000253 792	9606.ENS P0000022 9319	0.608	0	0	0	0.79	0.263	0.688	0.978
BUB 1B	NUF 2	1847 075	1846 198	9606.E NSP00 000287 598	9606.ENS P0000027 1452	0	0	0	0	0.157	0	0.762	0.978

PLG	C3	1849 130	1843 781	9606.E NSP00 000308 938	9606.ENS P0000024 5907	0	0	0	0	0	0	0.898	0.978
CCN B2	CDC 6	1847 117	1842 453	9606.E NSP00 000288 207	9606.ENS P0000020 9728	0	0	0	0	0.445	0.782	0.83	0.977
PLG	ALB	1849 130	1847 637	9606.E NSP00 000308 938	9606.ENS P0000029 5897	0	0	0	0	0.141	0	0.757	0.977
SERP INE1	TIM P1	1842 959	1842 705	9606.E NSP00 000223 095	9606.ENS P0000021 8388	0	0	0	0	0.077	0	0.765	0.976
SLC1 2A3	WN K4	1860 326	1843 844	9606.E NSP00 000402 152	9606.ENS P0000024 6914	0	0	0	0	0	0.576	0.947	0.976
KCN J1	WN K4	1858 031	1843 844	9606.E NSP00 000376 432	9606.ENS P0000024 6914	0	0	0	0	0	0.149	0.973	0.976

ALB	KNG 1	1847 637	1845 668	9606.E NSP00 000295 897	9606.ENS P0000026 5023	0	0	0	0	0	0	0.778	0.976
ATP6 V1G 3	ATP 6V0 A4	1846 704	1844 258	9606.E NSP00 000281 087	9606.ENS P0000025 3856	0	0	0	0	0	0.358	0.663	0.976
ESR RG	PPA RGC 1A	1859 115	1845 634	9606.E NSP00 000386 171	9606.ENS P0000026 4867	0	0	0	0	0	0.963	0.362	0.975
SMC 4	PLK 1	1852 454	1848 135	9606.E NSP00 000341 382	9606.ENS P0000030 0093	0	0	0	0	0.246	0.574	0.335	0.975
CDH 2	CDO N	1846 066	1845 370	9606.E NSP00 000269 141	9606.ENS P0000026 3577	0	0	0	0	0	0.57	0.483	0.975
ATP6 V0D 2	ATP 6V1 G3	1846 960	1846 704	9606.E NSP00 000285 393	9606.ENS P0000028 1087	0	0	0	0	0.153	0.362	0.588	0.974



CEN PI	CEN PF	1855 785	1854 480	9606.E NSP00 000362 018	9606.ENS P0000035 5922	0	0	0	0	0.115	0	0.736	0.974
CEN PI	CEN PE	1855 785	1845 701	9606.E NSP00 000362 018	9606.ENS P0000026 5148	0	0	0	0	0.177	0	0.718	0.974
PLG	VWF	1849 130	1844 904	9606.E NSP00 000308 938	9606.ENS P0000026 1405	0	0	0	0	0	0	0.755	0.974
BUB 1	KIF1 8A	1848 415	1845 299	9606.E NSP00 000302 530	9606.ENS P0000026 3181	0	0	0	0	0.096	0.241	0.666	0.974
ITGB 2	ITG A5	1848 511	1847 411	9606.E NSP00 000303 242	9606.ENS P0000029 3379	0	0	0	0	0	0.566	0.81	0.974
CEN PF	BUB 1B	1854 480	1847 075	9606.E NSP00 000355 922	9606.ENS P0000028 7598	0	0	0	0	0.091	0	0.736	0.974

CAL CRL	ADM	1858 000	1846 549	9606.E NSP00 000376 177	9606.ENS P0000027 8175	0	0	0	0	0	0.807	0.872	0.974
CDK 1	TYM S	1858 283	1849 803	9606.E NSP00 000378 699	9606.ENS P0000031 5644	0	0	0	0	0.605	0	0.388	0.973
IL2R A	CD4	1857 121	1842 167	9606.E NSP00 000369 293	9606.ENS P0000001 1653	0	0	0	0	0	0.57	0.941	0.973
CEN PF	NDC 80	1854 480	1844 946	9606.E NSP00 000355 922	9606.ENS P0000026 1597	0	0	0	0	0.138	0	0.712	0.973
CLD N19	CLD N16	1847 719	1845 612	9606.E NSP00 000296 387	9606.ENS P0000026 4734	0	0	0	0.665	0	0.812	0.972	0.973
MUC 15	MUC 1	1861 245	1854 790	9606.E NSP00 000416 753	9606.ENS P0000035 7380	0	0	0	0	0	0	0.744	0.973

CCN B2	PLK 2	1847 117	1846 372	9606.E NSP00 000288 207	9606.ENS P0000027 4289	0	0	0	0	0.793	0.361	0.809	0.972
CCN B2	CCN A2	1847 117	1846 354	9606.E NSP00 000288 207	9606.ENS P0000027 4026	0	0	0	0.765	0.877	0.726	0.933	0.972
EYA 4	DAC H1	1853 153	1848 693	9606.E NSP00 000347 294	9606.ENS P0000030 4994	0	0	0	0	0	0.666	0.921	0.972
NCK 1	FLT1	1847 149	1846 791	9606.E NSP00 000288 986	9606.ENS P0000028 2397	0	0	0	0	0	0.605	0.356	0.972
IGFB P3	MMP 1	1857 331	1850 481	9606.E NSP00 000370 473	9606.ENS P0000032 2788	0	0	0	0	0	0.576	0.398	0.972
KNG 1	HRG	1845 668	1843 307	9606.E NSP00 000265 023	9606.ENS P0000023 2003	0	0	0	0	0.224	0	0.68	0.972

MET	EGF R	1849 944	1846 445	9606.E NSP00 000317 272	9606.ENS P0000027 5493	0	0	0	0.634	0	0.955	0.974	0.972
PTH LH	SCT R	1858 343	1842 186	9606.E NSP00 000379 213	9606.ENS P0000001 9103	0	0	0	0	0	0	0.731	0.972
SLC1 2A1	WN K3	1857 315	1853 080	9606.E NSP00 000370 381	9606.ENS P0000034 6667	0	0	0	0	0	0	0.971	0.971
MLF 1IP	CEN PK	1846 726	1843 648	9606.E NSP00 000281 453	9606.ENS P0000024 2872	0	0	0	0	0.08	0.33	0.586	0.971
SCN N1G	WN K4	1848 129	1843 844	9606.E NSP00 000300 061	9606.ENS P0000024 6914	0	0	0	0	0	0	0.73	0.971
PRO DH2	ALD H4A 1	1848 253	1847 245	9606.E NSP00 000301 175	9606.ENS P0000029 0597	0.133	0	0	0	0.111	0.248	0.58	0.971

FCG R3A	FCE RIG	1854 695	1847 193	9606.E NSP00 000356 946	9606.ENS P0000028 9902	0	0	0	0	0.07	0.576	0.68	0.971
PRO S1	VWF	1858 171	1844 904	9606.E NSP00 000377 783	9606.ENS P0000026 1405	0	0	0	0	0	0	0.727	0.971
MYC	ERB B2	1856 789	1846 101	9606.E NSP00 000367 207	9606.ENS P0000026 9571	0	0	0	0	0	0	0.727	0.971
PRO S1	PRO C	1858 171	1843 382	9606.E NSP00 000377 783	9606.ENS P0000023 4071	0	0	0	0.657	0	0.576	0.988	0.97
TGM 2	FN1	1854 355	1853 098	9606.E NSP00 000355 330	9606.ENS P0000034 6839	0	0	0	0	0	0.964	0.194	0.97
RAP GEF3	RAP IGA P	1857 808	1847 204	9606.E NSP00 000373 864	9606.ENS P0000029 0101	0	0	0	0	0	0	0.72	0.97

SCN N1A	WN K4	1853 964	1843 844	9606.E NSP00 000353 292	9606.ENS P0000024 6914	0	0	0	0	0	0	0.715	0.97
TOP2 A	CDC 6	1860 923	1842 453	9606.E NSP00 000411 532	9606.ENS P0000020 9728	0	0	0	0	0.179	0	0.668	0.97
SHM T2	TYM S	1851 612	1849 803	9606.E NSP00 000333 667	9606.ENS P0000031 5644	0	0	0	0	0.115	0	0.684	0.969
ITGA 4	FN1	1858 446	1853 098	9606.E NSP00 000380 227	9606.ENS P0000034 6839	0	0	0	0	0	0.593	0.31	0.969
ACA N	VCA N	1859 267	1845 684	9606.E NSP00 000387 356	9606.ENS P0000026 5077	0	0	0	0.634	0	0.576	0.871	0.969
KCN MA1	KCN MB2	1859 069	1853 666	9606.E NSP00 000385 806	9606.ENS P0000035 1068	0	0	0	0	0	0.576	0.343	0.969

CCL 20	CXC L10	1853 751	1848 754	9606.E NSP00 000351 671	9606.ENS P0000030 5651	0	0	0	0	0	0	0.708	0.969
CD3 E	TRA T1	1854 149	1847 619	9606.E NSP00 000354 566	9606.ENS P0000029 5756	0	0	0	0	0.118	0.569	0.3	0.969
PRC1	CEN PE	1858 173	1845 701	9606.E NSP00 000377 793	9606.ENS P0000026 5148	0	0	0	0	0.227	0.902	0.609	0.968
PLG	TIM P1	1849 130	1842 705	9606.E NSP00 000308 938	9606.ENS P0000021 8388	0	0	0	0	0	0	0.7	0.968
FGF1	SYT 1	1852 115	1844 863	9606.E NSP00 000338 548	9606.ENS P0000026 1205	0	0	0	0	0	0.955	0.31	0.968
HOG A1	HAO 2	1855 317	1849 865	9606.E NSP00 000359 680	9606.ENS P0000031 6339	0	0	0	0	0.08	0	0.687	0.968

FN1	PLG	1853 098	1849 130	9606.E NSP00 000346 839	9606.ENS P0000030 8938	0	0	0	0	0	0.564	0.325	0.967
CAV 1	KDR	1852 186	1845 437	9606.E NSP00 000339 191	9606.ENS P0000026 3923	0	0	0	0	0	0.812	0.832	0.967
SGK 2	SCN N1G	1852 346	1848 129	9606.E NSP00 000340 608	9606.ENS P0000030 0061	0	0	0	0	0	0	0.685	0.967
HCK	FCG R2A	1856 392	1846 197	9606.E NSP00 000365 012	9606.ENS P0000027 1450	0	0	0	0	0	0.564	0.305	0.967
ACA DSB	ACA A1	1854 904	1851 610	9606.E NSP00 000357 873	9606.ENS P0000033 3664	0.347	0	0	0	0.225	0	0.436	0.967
PTPR C	CD4	1854 576	1842 167	9606.E NSP00 000356 346	9606.ENS P0000001 1653	0	0	0	0	0	0	0.966	0.966



CDK 1	PRK AR2 B	1858 283	1845 791	9606.E NSP00 000378 699	9606.ENS P0000026 5717	0	0	0	0	0	0.149	0.634	0.966
CD2	CD4 8	1855 033	1854 716	9606.E NSP00 000358 490	9606.ENS P0000035 7025	0	0	0	0	0	0.576	0.923	0.966
NED D4L	SGK 2	1858 810	1852 346	9606.E NSP00 000383 199	9606.ENS P0000034 0608	0	0	0	0	0	0.105	0.652	0.966
VEG FA	NRP 2	1855 611	1854 002	9606.E NSP00 000361 125	9606.ENS P0000035 3582	0	0	0	0	0	0.576	0.921	0.965
ERB B4	DCN	1852 571	1842 218	9606.E NSP00 000342 235	9606.ENS P0000005 2754	0	0	0	0	0	0.096	0.825	0.965
CD3 G	CD3 D	1861 876	1848 206	9606.E NSP00 000431 445	9606.ENS P0000030 0692	0	0	0	0.907	0.176	0.576	0.876	0.965

VEG FA	ALB	1855 611	1847 637	9606.E NSP00 000361 125	9606.ENS P0000029 5897	0	0	0	0	0	0	0.659	0.964
VEG FA	TIM PI	1855 611	1842 705	9606.E NSP00 000361 125	9606.ENS P0000021 8388	0	0	0	0	0	0	0.659	0.964
CCL 20	CCL 5	1853 751	1847 396	9606.E NSP00 000351 671	9606.ENS P0000029 3272	0	0	0	0	0.113	0	0.636	0.964
CEN PF	NUF 2	1854 480	1846 198	9606.E NSP00 000355 922	9606.ENS P0000027 1452	0	0	0	0	0.095	0	0.634	0.964
PGF	KDR	1862 737	1845 437	9606.E NSP00 000451 040	9606.ENS P0000026 3923	0	0	0	0	0	0	0.828	0.964
PLG	PLA T	1849 130	1842 802	9606.E NSP00 000308 938	9606.ENS P0000022 0809	0	0	0	0.765	0	0.576	0.748	0.963

HCK	ELM O1	1856 392	1849 503	9606.E NSP00 000365 012	9606.ENS P0000031 2185	0	0	0	0	0	0.488	0.34	0.963
ITGB 2	KNG 1	1848 511	1845 668	9606.E NSP00 000303 242	9606.ENS P0000026 5023	0	0	0	0	0	0.576	0.216	0.963
CEN PI	BUB 1B	1855 785	1847 075	9606.E NSP00 000362 018	9606.ENS P0000028 7598	0	0	0	0	0.171	0	0.594	0.963
ABC G1	SCA RB1	1854 276	1844 967	9606.E NSP00 000354 995	9606.ENS P0000026 1693	0	0	0	0	0	0	0.963	0.963
PRO S1	SER PINE 1	1858 171	1842 959	9606.E NSP00 000377 783	9606.ENS P0000022 3095	0	0	0	0	0	0	0.654	0.963
CXC L9	CCL 20	1854 250	1853 751	9606.E NSP00 000354 901	9606.ENS P0000035 1671	0	0	0	0	0	0	0.649	0.963

PRO S1	ALB	1858 171	1847 637	9606.E NSP00 000377 783	9606.ENS P0000029 5897	0	0	0	0	0	0	0.648	0.963
FOX M1	CCN B2	1852 579	1847 117	9606.E NSP00 000342 307	9606.ENS P0000028 8207	0	0	0	0	0.114	0.103	0.594	0.963
ALB	TGF B1	1847 637	1842 869	9606.E NSP00 000295 897	9606.ENS P0000022 1930	0	0	0	0	0	0	0.649	0.963
EGF R	CCN D1	1846 445	1843 117	9606.E NSP00 000275 493	9606.ENS P0000022 7507	0	0	0	0	0	0	0.963	0.963
PLA U	PLG	1855 748	1849 130	9606.E NSP00 000361 850	9606.ENS P0000030 8938	0	0	0	0.766	0	0.576	0.66	0.962
KIT	STA P1	1847 112	1845 746	9606.E NSP00 000288 135	9606.ENS P0000026 5404	0	0	0	0	0	0.625	0.073	0.962

PTPR C	LGA LS1	1854 576	1842 521	9606.E NSP00 000356 346	9606.ENS P0000021 5909	0	0	0	0	0	0	0.962	0.962
ALB	TIM P1	1847 637	1842 705	9606.E NSP00 000295 897	9606.ENS P0000021 8388	0	0	0	0	0	0	0.643	0.962
SLC1 2A1	AQP 2	1857 315	1842 380	9606.E NSP00 000370 381	9606.ENS P0000019 9280	0	0	0	0	0	0	0.962	0.962
HAD H	OXC T1	1859 056	1842 370	9606.E NSP00 000385 638	9606.ENS P0000019 6371	0.129	0	0	0	0	0	0.591	0.961
EGF R	PAG 1	1846 445	1842 793	9606.E NSP00 000275 493	9606.ENS P0000022 0597	0	0	0	0	0	0.574	0.16	0.961
ACA N	HAP LN1	1859 267	1846 376	9606.E NSP00 000387 356	9606.ENS P0000027 4341	0	0	0	0.872	0	0.576	0.942	0.961

KIT	PTP RO	1847 112	1846 712	9606.E NSP00 000288 135	9606.ENS P0000028 1171	0	0	0	0	0	0.59	0.125	0.961
KN G 1	VWF	1845 668	1844 904	9606.E NSP00 000265 023	9606.ENS P0000026 1405	0	0	0	0	0	0	0.631	0.961
VEG FA	SER PINE 1	1855 611	1842 959	9606.E NSP00 000361 125	9606.ENS P0000022 3095	0	0	0	0	0	0	0.633	0.961
SCN N1A	SCN N1G	1853 964	1848 129	9606.E NSP00 000353 292	9606.ENS P0000030 0061	0	0	0	0.859	0	0.576	0.85	0.961
PRO C	SER PINE 1	1843 382	1842 959	9606.E NSP00 000234 071	9606.ENS P0000022 3095	0.083	0	0	0	0	0	0.805	0.961
BDH 1	OXC T1	1853 648	1842 370	9606.E NSP00 000350 914	9606.ENS P0000019 6371	0	0	0	0	0	0	0.635	0.961

CEP5 5	PLK 1	1855 493	1848 135	9606.E NSP00 000360 540	9606.ENS P0000030 0093	0	0	0	0	0.172	0.566	0.902	0.961
PFKP	PFK FB2	1857 335	1854 509	9606.E NSP00 000370 517	9606.ENS P0000035 6047	0	0	0	0	0	0	0.617	0.96
VEG FA	ICA M1	1855 611	1845 628	9606.E NSP00 000361 125	9606.ENS P0000026 4832	0	0	0	0	0	0	0.96	0.96
MYC	EGF R	1856 789	1846 445	9606.E NSP00 000367 207	9606.ENS P0000027 5493	0	0	0	0	0	0	0.96	0.96
FBP1	ALD OC	1856 276	1843 081	9606.E NSP00 000364 475	9606.ENS P0000022 6253	0	0	0	0	0.112	0	0.59	0.96
ERB B2	EGF	1846 101	1845 705	9606.E NSP00 000269 571	9606.ENS P0000026 5171	0	0	0	0	0	0.576	0.132	0.96

FGF9	KDR	1857 512	1845 437	9606.E NSP00 000371 790	9606.ENS P0000026 3923	0	0	0	0	0	0	0.808	0.96
FBP1	HK2	1856 276	1847 242	9606.E NSP00 000364 475	9606.ENS P0000029 0573	0	0	0	0	0	0	0.621	0.96
FBP1	ALD OB	1856 276	1856 191	9606.E NSP00 000364 475	9606.ENS P0000036 3988	0	0	0	0	0.112	0	0.59	0.96
PFKF B2	HK2	1854 509	1847 242	9606.E NSP00 000356 047	9606.ENS P0000029 0573	0	0	0	0	0	0	0.62	0.96
ALB	ICA M1	1847 637	1845 628	9606.E NSP00 000295 897	9606.ENS P0000026 4832	0	0	0	0	0	0	0.96	0.96
CAS P1	EGF R	1860 827	1846 445	9606.E NSP00 000410 076	9606.ENS P0000027 5493	0	0	0	0	0	0.576	0.907	0.959



SCN N1A	SGK 2	1853 964	1852 346	9606.E NSP00 000353 292	9606.ENS P0000034 0608	0	0	0	0	0	0	0.609	0.959
IGFB P3	EGF R	1857 331	1846 445	9606.E NSP00 000370 473	9606.ENS P0000027 5493	0	0	0	0	0	0.576	0.909	0.959
CEN PF	PLK 1	1854 480	1848 135	9606.E NSP00 000355 922	9606.ENS P0000030 0093	0	0	0	0	0.106	0	0.569	0.958
PRF1	GZM A	1849 900	1846 373	9606.E NSP00 000316 746	9606.ENS P0000027 4306	0	0	0	0	0	0	0.606	0.958
HK2	PFK FB4	1847 242	1843 311	9606.E NSP00 000290 573	9606.ENS P0000023 2375	0	0	0	0	0	0	0.605	0.958
NPH S1	WT1	1856 951	1851 331	9606.E NSP00 000368 190	9606.ENS P0000033 1327	0	0	0	0	0	0	0.958	0.958

LY96	CD1 80	1846 928	1844 437	9606.E NSP00 000284 818	9606.ENS P0000025 6447	0	0	0	0	0	0	0.606	0.958
PLX NB1	ERB B2	1847 728	1846 101	9606.E NSP00 000296 440	9606.ENS P0000026 9571	0	0	0	0	0.063	0.564	0.11	0.958
SLC2 A14	PPA RGC 1A	1858 405	1845 634	9606.E NSP00 000379 834	9606.ENS P0000026 4867	0	0	0	0	0	0	0.605	0.958
BRC A2	BRIP 1	1857 163	1844 657	9606.E NSP00 000369 497	9606.ENS P0000025 9008	0	0	0	0	0	0	0.797	0.957
PFKP	PFK FB4	1857 335	1843 311	9606.E NSP00 000370 517	9606.ENS P0000023 2375	0	0	0	0	0	0	0.594	0.957
MYC	MMP 9	1856 789	1855 661	9606.E NSP00 000367 207	9606.ENS P0000036 1405	0	0	0	0	0	0	0.591	0.957

FGF9	FLT1	1857 512	1846 791	9606.E NSP00 000371 790	9606.ENS P0000028 2397	0	0	0	0	0	0	0.794	0.957
FN1	COL 1A1	1853 098	1843 064	9606.E NSP00 000346 839	9606.ENS P0000022 5964	0	0	0	0	0	0.917	0.509	0.957
CEN PI	BUB 1	1855 785	1848 415	9606.E NSP00 000362 018	9606.ENS P0000030 2530	0	0	0	0	0.258	0	0.478	0.957
JAK3	INPP 5D	1859 586	1853 868	9606.E NSP00 000391 676	9606.ENS P0000035 2575	0	0	0	0	0	0.576	0.073	0.957
CD2	CD4	1855 033	1842 167	9606.E NSP00 000358 490	9606.ENS P0000001 1653	0	0	0	0	0	0.57	0.903	0.956
PCK 1	PPA RGC 1A	1850 185	1845 634	9606.E NSP00 000319 814	9606.ENS P0000026 4867	0	0	0	0	0	0	0.581	0.956

NUF 2	KIF1 8A	1846 198	1845 299	9606.E NSP00 000271 452	9606.ENS P0000026 3181	0	0	0	0	0.078	0.266	0.433	0.956
CXC L11	CCL 5	1848 890	1847 396	9606.E NSP00 000306 884	9606.ENS P0000029 3272	0	0	0	0	0	0	0.584	0.956
ACA N	MMP 9	1859 267	1855 661	9606.E NSP00 000387 356	9606.ENS P0000036 1405	0	0	0	0	0	0	0.582	0.956
INPP 5D	MET	1853 868	1849 944	9606.E NSP00 000352 575	9606.ENS P0000031 7272	0	0	0	0	0	0.564	0.092	0.956
RRM 2	CDC 6	1854 033	1842 453	9606.E NSP00 000353 770	9606.ENS P0000020 9728	0	0	0	0	0.223	0	0.467	0.955
PLK1	NUF 2	1848 135	1846 198	9606.E NSP00 000300 093	9606.ENS P0000027 1452	0	0	0	0	0.262	0	0.445	0.955

SUC LG1	ACL Y	1858 135	1844 250	9606.E NSP00 000377 446	9606.ENS P0000025 3792	0.564	0	0.224	0.673	0.783	0.438	0.592	0.955
FN1	ALB	1853 098	1847 637	9606.E NSP00 000346 839	9606.ENS P0000029 5897	0	0	0	0	0	0.067	0.562	0.955
CXC L10	CXC L13	1848 754	1847 033	9606.E NSP00 000305 651	9606.ENS P0000028 6758	0	0	0	0	0	0	0.569	0.955
SHM T2	SDS	1851 612	1844 513	9606.E NSP00 000333 667	9606.ENS P0000025 7549	0	0	0	0	0	0	0.574	0.955
KIF2 0A	PRC 1	1858 244	1858 173	9606.E NSP00 000378 356	9606.ENS P0000037 7793	0	0	0	0	0.231	0.297	0.922	0.954
CCL 20	CXC L11	1853 751	1848 890	9606.E NSP00 000351 671	9606.ENS P0000030 6884	0	0	0	0	0	0	0.565	0.954

PTG ER3	KNG 1	1853 383	1845 668	9606.E NSP00 000349 003	9606.ENS P0000026 5023	0	0	0	0	0	0	0.566	0.954
PTG S2	PTG ER3	1854 602	1853 383	9606.E NSP00 000356 438	9606.ENS P0000034 9003	0	0	0	0	0	0	0.952	0.953
SUC LG1	OXC T1	1858 135	1842 370	9606.E NSP00 000377 446	9606.ENS P0000019 6371	0	0	0	0	0	0.924	0.417	0.953
EPH X2	CYP 2J2	1861 828	1855 431	9606.E NSP00 000430 269	9606.ENS P0000036 0247	0	0	0	0	0	0	0.55	0.953
MYC	EZH 2	1856 789	1850 211	9606.E NSP00 000367 207	9606.ENS P0000032 0147	0	0	0	0	0	0.57	0.896	0.953
MYC	CDC 6	1856 789	1842 453	9606.E NSP00 000367 207	9606.ENS P0000020 9728	0	0	0	0	0	0.576	0.889	0.951

PLC D4	PIK3 CG	1859 361	1853 801	9606.E NSP00 000388 631	9606.ENS P0000035 2121	0	0	0	0	0	0.149	0.478	0.951
BUB 1	KIF1 1	1848 415	1844 817	9606.E NSP00 000302 530	9606.ENS P0000026 0731	0	0	0	0	0.741	0.432	0.699	0.951
TYR OBP	LCP2	1845 185	1842 217	9606.E NSP00 000262 629	9606.ENS P0000004 6794	0	0	0	0	0.109	0	0.502	0.951
MLF 1IP	NUF 2	1846 726	1846 198	9606.E NSP00 000281 453	9606.ENS P0000027 1452	0	0	0	0	0.081	0	0.517	0.951
FBP1	PFK FB2	1856 276	1854 509	9606.E NSP00 000364 475	9606.ENS P0000035 6047	0	0	0	0	0	0	0.533	0.951
ANG PT2	FLT1	1849 738	1846 791	9606.E NSP00 000314 897	9606.ENS P0000028 2397	0	0	0	0	0	0.063	0.762	0.951

NOS 1	HMO X1	1852 004	1842 546	9606.E NSP00 000337 459	9606.ENS P0000021 6117	0	0	0	0	0	0.602	0.881	0.95
CHS T15	CHS T11	1851 650	1848 766	9606.E NSP00 000333 947	9606.ENS P0000030 5725	0	0	0	0	0	0	0.526	0.95
LDH B	ALD OC	1843 197	1843 081	9606.E NSP00 000229 319	9606.ENS P0000022 6253	0	0	0	0	0.179	0	0.725	0.95
WNK 3	TRP V5	1853 080	1845 722	9606.E NSP00 000346 667	9606.ENS P0000026 5310	0	0	0	0	0	0.091	0.947	0.95
CSP G4	CHS T11	1849 543	1848 766	9606.E NSP00 000312 506	9606.ENS P0000030 5725	0	0	0	0	0	0	0.529	0.95
HRG	SER PINE 1	1843 307	1842 959	9606.E NSP00 000232 003	9606.ENS P0000022 3095	0	0	0	0	0	0	0.516	0.949



MBO AT2	AGP AT9	1848 380	1845 541	9606.E NSP00 000302 177	9606.ENS P0000026 4409	0	0	0	0	0	0.168	0.445	0.949
CD3 G	CD4	1861 876	1842 167	9606.E NSP00 000431 445	9606.ENS P0000001 1653	0	0	0	0	0	0	0.503	0.948
CXC L9	CXC L13	1854 250	1847 033	9606.E NSP00 000354 901	9606.ENS P0000028 6758	0	0	0	0	0	0	0.509	0.948
CEN PI	KIF1 8A	1855 785	1845 299	9606.E NSP00 000362 018	9606.ENS P0000026 3181	0	0	0	0	0.114	0	0.46	0.948
GAL 3ST1	UGT 8	1852 673	1849 445	9606.E NSP00 000343 234	9606.ENS P0000031 1648	0	0	0	0	0	0	0.509	0.948
PLG	TGF B1	1849 130	1842 869	9606.E NSP00 000308 938	9606.ENS P0000022 1930	0	0	0	0	0	0	0.509	0.948

CCL 20	CXC L13	1853 751	1847 033	9606.E NSP00 000351 671	9606.ENS P0000028 6758	0	0	0	0	0	0	0.503	0.948
FN1	TIM P1	1853 098	1842 705	9606.E NSP00 000346 839	9606.ENS P0000021 8388	0	0	0	0	0	0	0.503	0.948
FAS	BIRC 3	1853 242	1845 359	9606.E NSP00 000347 979	9606.ENS P0000026 3464	0	0	0	0	0	0	0.502	0.948
ITGB 2	C3	1848 511	1843 781	9606.E NSP00 000303 242	9606.ENS P0000024 5907	0	0	0	0	0	0	0.505	0.948
VEG FA	KNG 1	1855 611	1845 668	9606.E NSP00 000361 125	9606.ENS P0000026 5023	0	0	0	0	0	0	0.504	0.948
FBP1	PFK FB4	1856 276	1843 311	9606.E NSP00 000364 475	9606.ENS P0000023 2375	0	0	0	0	0	0	0.501	0.948

HEY 1	DLL 4	1852 090	1843 973	9606.E NSP00 000338 272	9606.ENS P0000024 9749	0	0	0	0	0	0	0.948	0.948
KIF1 8A	NDC 80	1845 299	1844 946	9606.E NSP00 000263 181	9606.ENS P0000026 1597	0	0	0	0	0.134	0.163	0.367	0.948
BRC A2	BUB 1B	1857 163	1847 075	9606.E NSP00 000369 497	9606.ENS P0000028 7598	0	0	0	0	0.106	0.576	0.872	0.947
CXC L11	CXC L13	1848 890	1847 033	9606.E NSP00 000306 884	9606.ENS P0000028 6758	0	0	0	0	0.077	0	0.472	0.947
CXC R4	CXC L13	1859 216	1847 033	9606.E NSP00 000386 884	9606.ENS P0000028 6758	0	0	0	0	0	0.075	0.481	0.947
CCL 5	CXC L13	1847 396	1847 033	9606.E NSP00 000293 272	9606.ENS P0000028 6758	0	0	0	0	0	0	0.5	0.947

MTH FD2	TYM S	1858 157	1849 803	9606.E NSP00 000377 617	9606.ENS P0000031 5644	0.071	0	0	0	0	0	0.478	0.947
PTG S2	ERB B2	1854 602	1846 101	9606.E NSP00 000356 438	9606.ENS P0000026 9571	0	0	0	0	0	0.566	0.882	0.947
MMP 9	EGF R	1855 661	1846 445	9606.E NSP00 000361 405	9606.ENS P0000027 5493	0	0	0	0	0	0	0.947	0.947
PRF1	IL2R B	1849 900	1842 567	9606.E NSP00 000316 746	9606.ENS P0000021 6223	0	0	0	0	0	0	0.485	0.946
CEN PE	KIF1 8A	1845 701	1845 299	9606.E NSP00 000265 148	9606.ENS P0000026 3181	0	0	0	0.681	0.107	0.303	0.681	0.946
JAK3	MYC	1859 586	1856 789	9606.E NSP00 000391 676	9606.ENS P0000036 7207	0	0	0	0	0	0	0.48	0.945

TPX2	PLK 1	1848 175	1848 135	9606.E NSP00 000300 403	9606.ENS P0000030 0093	0	0	0	0	0.224	0	0.356	0.945
C1orf 116	HOM ER1	1853 850	1851 715	9606.E NSP00 000352 447	9606.ENS P0000033 4382	0	0	0	0	0	0.945	0	0.945
ALD OB	LDH B	1856 191	1843 197	9606.E NSP00 000363 988	9606.ENS P0000022 9319	0	0	0	0	0.179	0	0.693	0.945
VWF	TIM P1	1844 904	1842 705	9606.E NSP00 000261 405	9606.ENS P0000021 8388	0	0	0	0	0	0	0.48	0.945
SCN N1B	WN K4	1852 969	1843 844	9606.E NSP00 000345 751	9606.ENS P0000024 6914	0	0	0	0	0	0	0.479	0.945
EGF R	CAV 2	1846 445	1842 935	9606.E NSP00 000275 493	9606.ENS P0000022 2693	0	0	0	0	0	0.576	0.405	0.945

PDH A1	LDH B	1857 098	1843 197	9606.E NSP00 000369 134	9606.ENS P0000022 9319	0	0	0	0	0.087	0	0.44	0.944
ADS SL1	GMP R	1851 543	1844 718	9606.E NSP00 000333 019	9606.ENS P0000025 9727	0.228	0	0	0	0.172	0	0.231	0.944
KIF2 A	BUB 1B	1859 005	1847 075	9606.E NSP00 000385 000	9606.ENS P0000028 7598	0	0	0	0	0.096	0.224	0.301	0.944
MET	CDH 2	1849 944	1846 066	9606.E NSP00 000317 272	9606.ENS P0000026 9141	0	0	0	0	0	0	0.472	0.944
KIF2 A	NUF 2	1859 005	1846 198	9606.E NSP00 000385 000	9606.ENS P0000027 1452	0	0	0	0	0	0.266	0.302	0.944
TBX AS1	PTG S2	1859 424	1854 602	9606.E NSP00 000389 414	9606.ENS P0000035 6438	0	0	0	0	0	0	0.472	0.944

ALB	HRG	1847 637	1843 307	9606.E NSP00 000295 897	9606.ENS P0000023 2003	0	0	0	0	0.114	0	0.419	0.944
TTK	NDC 80	1855 108	1844 946	9606.E NSP00 000358 813	9606.ENS P0000026 1597	0	0	0	0	0.428	0.878	0.262	0.944
CDK 1	SAM HD1	1858 283	1845 231	9606.E NSP00 000378 699	9606.ENS P0000026 2878	0	0	0	0	0	0.564	0.876	0.943
GPX 2	GST M3	1857 838	1844 453	9606.E NSP00 000374 265	9606.ENS P0000025 6594	0	0	0	0	0	0	0.459	0.943
VWF	HRG	1844 904	1843 307	9606.E NSP00 000261 405	9606.ENS P0000023 2003	0	0	0	0	0	0	0.456	0.943
CD3 D	CD4	1848 206	1842 167	9606.E NSP00 000300 692	9606.ENS P0000001 1653	0	0	0	0	0	0	0.455	0.943

MYC	ALB	1856 789	1847 637	9606.E NSP00 000367 207	9606.ENS P0000029 5897	0	0	0	0	0	0	0.943	0.943
CEN PI	PLK 1	1855 785	1848 135	9606.E NSP00 000362 018	9606.ENS P0000030 0093	0	0	0	0	0.183	0	0.35	0.942
CYFI P2	RAC 2	1850 773	1843 949	9606.E NSP00 000325 817	9606.ENS P0000024 9071	0	0	0	0	0	0.17	0.683	0.942
TOP2 A	FOX M1	1860 923	1852 579	9606.E NSP00 000411 532	9606.ENS P0000034 2307	0	0	0	0	0.123	0.576	0.857	0.942
COL 8A1	COL 1A1	1844 844	1843 064	9606.E NSP00 000261 037	9606.ENS P0000022 5964	0	0	0	0	0	0	0.449	0.942
MUC 1	ERB B2	1854 790	1846 101	9606.E NSP00 000357 380	9606.ENS P0000026 9571	0	0	0	0	0	0.802	0.72	0.942



ELM O1	RAC 2	1849 503	1843 949	9606.E NSP00 000312 185	9606.ENS P0000024 9071	0	0	0	0	0	0.215	0.315	0.941
BUB 1B	MLF 1IP	1847 075	1846 726	9606.E NSP00 000287 598	9606.ENS P0000028 1453	0	0	0	0	0.079	0	0.416	0.941
FGFI	EGF R	1852 115	1846 445	9606.E NSP00 000338 548	9606.ENS P0000027 5493	0	0	0	0	0	0	0.719	0.941
COL 4A1	COL 8A1	1856 385	1844 844	9606.E NSP00 000364 979	9606.ENS P0000026 1037	0	0	0	0	0	0	0.43	0.94
RHO H	ARH GAP 11A	1857 435	1854 297	9606.E NSP00 000371 219	9606.ENS P0000035 5090	0	0	0	0	0	0.274	0.244	0.94
ITGA 5	COL 1A1	1847 411	1843 064	9606.E NSP00 000293 379	9606.ENS P0000022 5964	0	0	0	0	0.112	0.576	0.3	0.94

BRC A2	PLK 1	1857 163	1848 135	9606.E NSP00 000369 497	9606.ENS P0000030 0093	0	0	0	0	0.069	0.564	0.866	0.94
VWF	TGF B1	1844 904	1842 869	9606.E NSP00 000261 405	9606.ENS P0000022 1930	0	0	0	0	0	0	0.42	0.939
CXC R4	CCL 5	1859 216	1847 396	9606.E NSP00 000386 884	9606.ENS P0000029 3272	0	0	0	0	0	0	0.417	0.939
NPH S1	ALB	1856 951	1847 637	9606.E NSP00 000368 190	9606.ENS P0000029 5897	0	0	0	0	0	0.067	0.937	0.939
PRO S1	HRG	1858 171	1843 307	9606.E NSP00 000377 783	9606.ENS P0000023 2003	0	0	0	0	0	0	0.419	0.939
SKA 3	BUB 1B	1850 147	1847 075	9606.E NSP00 000319 417	9606.ENS P0000028 7598	0	0	0	0	0.166	0	0.328	0.939

PCC B	ACA A1	1861 392	1851 610	9606.E NSP00 000419 027	9606.ENS P0000033 3664	0.195	0	0	0	0	0.098	0.265	0.939
KNG 1	TGF B1	1845 668	1842 869	9606.E NSP00 000265 023	9606.ENS P0000022 1930	0	0	0	0	0	0	0.418	0.939
APL N	KNG 1	1848 734	1845 668	9606.E NSP00 000305 464	9606.ENS P0000026 5023	0	0	0	0	0	0	0.424	0.939
JAK3	IL2R A	1859 586	1857 121	9606.E NSP00 000391 676	9606.ENS P0000036 9293	0	0	0	0	0	0	0.416	0.939
HCK	ITGB 2	1856 392	1848 511	9606.E NSP00 000365 012	9606.ENS P0000030 3242	0	0	0	0	0.109	0.089	0.337	0.939
MET	NCK 1	1849 944	1847 149	9606.E NSP00 000317 272	9606.ENS P0000028 8986	0	0	0	0	0	0.249	0.242	0.938

RAP GEF3	APB B1IP	1857 808	1856 462	9606.E NSP00 000373 864	9606.ENS P0000036 5411	0	0	0	0	0	0	0.414	0.938
CLD N8	CLD N16	1847 039	1845 612	9606.E NSP00 000286 809	9606.ENS P0000026 4734	0	0	0	0	0	0	0.706	0.938
PTG S2	CYP 4F2	1854 602	1842 855	9606.E NSP00 000356 438	9606.ENS P0000022 1700	0	0	0	0	0	0	0.41	0.938
CYP 2J2	CYP 4F3	1855 431	1842 824	9606.E NSP00 000360 247	9606.ENS P0000022 1307	0	0	0.527	0.65	0	0	0.739	0.938
FN1	SER PINE 1	1853 098	1842 959	9606.E NSP00 000346 839	9606.ENS P0000022 3095	0	0	0	0	0	0	0.407	0.938
CD36	PPA RGC 1A	1849 038	1845 634	9606.E NSP00 000308 165	9606.ENS P0000026 4867	0	0	0	0	0	0	0.412	0.938

CD3 E	CD4	1854 149	1842 167	9606.E NSP00 000354 566	9606.ENS P0000001 1653	0	0	0	0	0	0	0.396	0.937
PTG S2	CYP 4F3	1854 602	1842 824	9606.E NSP00 000356 438	9606.ENS P0000022 1307	0	0	0	0	0	0	0.403	0.937
KIF2 A	BUB 1	1859 005	1848 415	9606.E NSP00 000385 000	9606.ENS P0000030 2530	0	0	0	0	0.113	0.241	0.184	0.937
CYP 2B6	CYP 4F3	1850 664	1842 824	9606.E NSP00 000324 648	9606.ENS P0000022 1307	0	0	0.526	0.637	0	0	0.673	0.937
MYC	NMI	1856 789	1843 666	9606.E NSP00 000367 207	9606.ENS P0000024 3346	0	0	0	0	0	0.917	0.271	0.936
CAS R	KNG 1	1861 464	1845 668	9606.E NSP00 000420 194	9606.ENS P0000026 5023	0	0	0	0	0	0	0.389	0.936

CSP G4	VCA N	1849 543	1845 684	9606.E NSP00 000312 506	9606.ENS P0000026 5077	0	0	0	0	0	0	0.392	0.936
ARH GAP 11A	RAC 2	1854 297	1843 949	9606.E NSP00 000355 090	9606.ENS P0000024 9071	0	0	0	0	0	0.274	0.195	0.936
NFA SC	SPT BN2	1852 857	1849 428	9606.E NSP00 000344 786	9606.ENS P0000031 1489	0	0	0	0	0.078	0	0.361	0.936
CDK 1	KIF1 8A	1858 283	1845 299	9606.E NSP00 000378 699	9606.ENS P0000026 3181	0	0	0	0	0.071	0.256	0.183	0.936
NTR K2	CDH 2	1846 523	1846 066	9606.E NSP00 000277 120	9606.ENS P0000026 9141	0	0	0	0	0	0	0.388	0.936
MYC	SFRP 1	1856 789	1842 801	9606.E NSP00 000367 207	9606.ENS P0000022 0772	0	0	0	0	0	0	0.392	0.936

PRO S1	KNG 1	1858 171	1845 668	9606.E NSP00 000377 783	9606.ENS P0000026 5023	0	0	0	0	0	0	0.392	0.936
HMG CS2	OXC T1	1855 015	1842 370	9606.E NSP00 000358 414	9606.ENS P0000019 6371	0	0	0	0	0	0	0.377	0.935
CD3 E	LCP2	1854 149	1842 217	9606.E NSP00 000354 566	9606.ENS P0000004 6794	0	0	0	0	0.094	0	0.341	0.935
CDC A7L	MYC	1858 889	1856 789	9606.E NSP00 000383 986	9606.ENS P0000036 7207	0	0	0	0	0	0.576	0.853	0.935
PBX 1	HOX B5	1860 561	1843 513	9606.E NSP00 000405 890	9606.ENS P0000023 9151	0	0	0	0	0	0.661	0.817	0.935
SLC2 A1	MYC	1861 219	1856 789	9606.E NSP00 000416 293	9606.ENS P0000036 7207	0	0	0	0	0	0	0.383	0.935

CDK 1	H1FO	1858 283	1852 826	9606.E NSP00 000378 699	9606.ENS P0000034 4504	0	0	0	0	0	0.934	0.042	0.935
SEM A6D	TYR OBP	1850 688	1845 185	9606.E NSP00 000324 857	9606.ENS P0000026 2629	0	0	0	0	0	0	0.38	0.935
NPH S2	NCK 1	1854 633	1847 149	9606.E NSP00 000356 587	9606.ENS P0000028 8986	0	0	0	0	0	0	0.384	0.935
CDK 1	PBK	1858 283	1848 348	9606.E NSP00 000378 699	9606.ENS P0000030 1905	0	0	0	0	0.288	0.82	0.527	0.934
NOS 1	RAS D1	1852 004	1843 042	9606.E NSP00 000337 459	9606.ENS P0000022 5688	0	0	0	0	0	0.576	0.852	0.934
MLF 1IP	CEN PE	1846 726	1845 701	9606.E NSP00 000281 453	9606.ENS P0000026 5148	0	0	0	0	0.079	0	0.345	0.934



TLR7	TLR 3	1857 265	1847 791	9606.E NSP00 000370 034	9606.ENS P0000029 6795	0	0	0	0.645	0	0	0.961	0.934
PLA U	SER PINA 5	1855 748	1851 559	9606.E NSP00 000361 850	9606.ENS P0000033 3203	0.083	0	0	0	0	0.915	0.221	0.934
PLC D4	IPM K	1859 361	1856 018	9606.E NSP00 000388 631	9606.ENS P0000036 3046	0	0	0	0	0	0	0.372	0.934
PBX 1	HOX D10	1860 561	1843 966	9606.E NSP00 000405 890	9606.ENS P0000024 9501	0	0	0	0	0	0.616	0.836	0.934
PLA U	FN1	1855 748	1853 098	9606.E NSP00 000361 850	9606.ENS P0000034 6839	0	0	0	0	0	0	0.358	0.933
CYP 2B6	CYP 4F2	1850 664	1842 855	9606.E NSP00 000324 648	9606.ENS P0000022 1700	0	0	0.527	0.647	0	0	0.554	0.933

CDH 13	CDH 9	1860 733	1843 273	9606.E NSP00 000408 632	9606.ENS P0000023 1021	0	0	0	0	0	0	0.358	0.933
CYP 2J2	CYP 4F2	1855 431	1842 855	9606.E NSP00 000360 247	9606.ENS P0000022 1700	0	0	0.527	0.653	0	0	0.588	0.933
TYM S	CDC 6	1849 803	1842 453	9606.E NSP00 000315 644	9606.ENS P0000020 9728	0	0	0	0	0.157	0	0.276	0.933
TRP V5	LGA LS1	1845 722	1842 521	9606.E NSP00 000265 310	9606.ENS P0000021 5909	0	0	0	0	0	0	0.932	0.933
FAB P6	ABC C3	1858 148	1846 952	9606.E NSP00 000377 549	9606.ENS P0000028 5238	0	0	0	0	0	0	0.359	0.933
VEG FA	FN1	1855 611	1853 098	9606.E NSP00 000361 125	9606.ENS P0000034 6839	0	0	0	0	0	0	0.357	0.932

KIF2 A	NDC 80	1859 005	1844 946	9606.E NSP00 000385 000	9606.ENS P0000026 1597	0	0	0	0	0.096	0.163	0.212	0.932
PTPR C	CD3 E	1854 576	1854 149	9606.E NSP00 000356 346	9606.ENS P0000035 4566	0	0	0	0	0	0	0.349	0.932
PHK A2	PYG L	1857 119	1842 591	9606.E NSP00 000369 274	9606.ENS P0000021 6392	0	0	0	0	0.068	0	0.335	0.932
CD3 E	NCK 1	1854 149	1847 149	9606.E NSP00 000354 566	9606.ENS P0000028 8986	0	0	0	0	0	0.915	0.231	0.932
PLK1	KIF1 8A	1848 135	1845 299	9606.E NSP00 000300 093	9606.ENS P0000026 3181	0	0	0	0	0.114	0	0.297	0.932
KNG 1	TIM P1	1845 668	1842 705	9606.E NSP00 000265 023	9606.ENS P0000021 8388	0	0	0	0	0	0	0.354	0.932

GPH N	GAB RA2	1861 331	1853 367	9606.E NSP00 000417 901	9606.ENS P0000034 8897	0	0	0	0	0	0.084	0.325	0.932
GGT 6	GPX 2	1863 209	1857 838	9606.E NSP00 000458 307	9606.ENS P0000037 4265	0	0	0	0	0	0	0.35	0.932
KN G1	C3	1845 668	1843 781	9606.E NSP00 000265 023	9606.ENS P0000024 5907	0	0	0	0	0	0	0.357	0.932
FN1	VWF	1853 098	1844 904	9606.E NSP00 000346 839	9606.ENS P0000026 1405	0	0	0	0	0	0	0.35	0.932
COL 15A1	COL 8A1	1856 217	1844 844	9606.E NSP00 000364 140	9606.ENS P0000026 1037	0	0	0	0	0	0	0.347	0.931
POS TN	COL 1A1	1857 088	1843 064	9606.E NSP00 000369 071	9606.ENS P0000022 5964	0	0	0	0	0.095	0	0.926	0.931

VCA N	TLR 2	1845 684	1844 747	9606.E NSP00 000265 077	9606.ENS P0000026 0010	0	0	0	0	0	0	0.347	0.931
GIT2	NCK 1	1853 175	1847 149	9606.E NSP00 000347 464	9606.ENS P0000028 8986	0	0	0	0	0	0	0.342	0.931
CD3 G	LCP2	1861 876	1842 217	9606.E NSP00 000431 445	9606.ENS P0000004 6794	0	0	0	0	0.083	0	0.313	0.931
MUC 1	MET	1854 790	1849 944	9606.E NSP00 000357 380	9606.ENS P0000031 7272	0	0	0	0	0	0.576	0.845	0.931
PDE1 A	GMP R	1851 361	1844 718	9606.E NSP00 000331 574	9606.ENS P0000025 9727	0	0	0	0	0	0	0.344	0.931
ICA M1	TLR 2	1845 628	1844 747	9606.E NSP00 000264 832	9606.ENS P0000026 0010	0	0	0	0	0.078	0	0.928	0.931

CD3 D	LCP2	1848 206	1842 217	9606.E NSP00 000300 692	9606.ENS P0000004 6794	0	0	0	0	0.097	0	0.292	0.93
EIF4 EBP1	CCN D1	1852 358	1843 117	9606.E NSP00 000340 691	9606.ENS P0000022 7507	0	0	0	0	0	0	0.93	0.93
CDH 13	CDH 3	1860 733	1845 457	9606.E NSP00 000408 632	9606.ENS P0000026 4012	0	0	0	0	0	0	0.333	0.93
MMP 9	MMP 1	1855 661	1850 481	9606.E NSP00 000361 405	9606.ENS P0000032 2788	0	0	0	0.745	0.113	0	0.982	0.93
PRC1	KIF1 1	1858 173	1844 817	9606.E NSP00 000377 793	9606.ENS P0000026 0731	0	0	0	0	0.288	0.699	0.7	0.93
PTPR C	CD3 D	1854 576	1848 206	9606.E NSP00 000356 346	9606.ENS P0000030 0692	0	0	0	0	0.09	0	0.295	0.93

PLC D4	PIP5 K1B	1859 361	1845 741	9606.E NSP00 000388 631	9606.ENS P0000026 5382	0	0	0	0	0	0.254	0.144	0.93
FCE RIG	LCP2	1847 193	1842 217	9606.E NSP00 000289 902	9606.ENS P0000004 6794	0	0	0	0	0.09	0	0.289	0.929
HK2	ALD OC	1847 242	1843 081	9606.E NSP00 000290 573	9606.ENS P0000022 6253	0	0	0	0	0.073	0	0.649	0.929
GPD 1L	AGP AT9	1846 804	1845 541	9606.E NSP00 000282 541	9606.ENS P0000026 4409	0.284	0	0	0	0	0	0.097	0.929
EPH X2	CYP 2B6	1861 828	1850 664	9606.E NSP00 000430 269	9606.ENS P0000032 4648	0	0	0	0	0	0	0.321	0.929
GAT A3	IKZF 1	1857 010	1851 367	9606.E NSP00 000368 632	9606.ENS P0000033 1614	0	0	0	0	0	0.102	0.924	0.929

CAV 1	ERB B2	1852 186	1846 101	9606.E NSP00 000339 191	9606.ENS P0000026 9571	0	0	0	0	0	0.576	0.84	0.929
CEP1 70	PLK 1	1854 392	1848 135	9606.E NSP00 000355 500	9606.ENS P0000030 0093	0	0	0	0	0	0	0.929	0.929
GPC 3	HS6S T1	1858 180	1844 677	9606.E NSP00 000377 836	9606.ENS P0000025 9241	0	0	0	0	0	0	0.326	0.929
NUF 2	CEN PK	1846 198	1843 648	9606.E NSP00 000271 452	9606.ENS P0000024 2872	0	0	0	0	0.137	0	0.253	0.929
MYC	LGA LS1	1856 789	1842 521	9606.E NSP00 000367 207	9606.ENS P0000021 5909	0	0	0	0	0	0.15	0.241	0.929
BUB 1	MLF 1IP	1848 415	1846 726	9606.E NSP00 000302 530	9606.ENS P0000028 1453	0	0	0	0	0.091	0	0.28	0.928



GAL NT3	MUC 1	1858 036	1854 790	9606.E NSP00 000376 465	9606.ENS P0000035 7380	0	0	0	0	0	0	0.313	0.928
PSM B8	PSM B9	1856 198	1856 192	9606.E NSP00 000364 016	9606.ENS P0000036 3993	0	0	0.366	0.785	0.856	0.36	0.923	0.928
KIF2 A	CEN PE	1859 005	1845 701	9606.E NSP00 000385 000	9606.ENS P0000026 5148	0	0	0	0.655	0.077	0	0.763	0.928
COL 4A1	COL 1A1	1856 385	1843 064	9606.E NSP00 000364 979	9606.ENS P0000022 5964	0	0	0	0.638	0.115	0	0.635	0.928
PIK3 CG	EGF R	1853 801	1846 445	9606.E NSP00 000352 121	9606.ENS P0000027 5493	0	0	0	0	0	0	0.656	0.928
FAB P6	ALB	1858 148	1847 637	9606.E NSP00 000377 549	9606.ENS P0000029 5897	0	0	0	0	0	0	0.311	0.928

GLD C	DAO	1857 365	1843 145	9606.E NSP00 000370 737	9606.ENS P0000022 8476	0	0	0	0	0	0	0.318	0.928
MMP 9	DCN	1855 661	1842 218	9606.E NSP00 000361 405	9606.ENS P0000005 2754	0	0	0	0	0.232	0	0.909	0.927
TLR7	CTS S	1857 265	1854 929	9606.E NSP00 000370 034	9606.ENS P0000035 7981	0	0	0	0	0	0	0.303	0.927
VEG FA	HRG	1855 611	1843 307	9606.E NSP00 000361 125	9606.ENS P0000023 2003	0	0	0	0	0	0	0.3	0.927
CHS T11	VCA N	1848 766	1845 684	9606.E NSP00 000305 725	9606.ENS P0000026 5077	0	0	0	0	0	0	0.302	0.927
CEN PF	MLF IIP	1854 480	1846 726	9606.E NSP00 000355 922	9606.ENS P0000028 1453	0	0	0	0	0	0	0.304	0.927

INPP 5D	PIK3 CG	1853 868	1853 801	9606.E NSP00 000352 575	9606.ENS P0000035 2121	0	0	0	0	0	0.097	0.262	0.927
CLD N10	CLD N16	1848 052	1845 612	9606.E NSP00 000299 339	9606.ENS P0000026 4734	0	0	0	0	0	0	0.65	0.927
CTSS	TLR 3	1854 929	1847 791	9606.E NSP00 000357 981	9606.ENS P0000029 6795	0	0	0	0	0	0	0.301	0.927
PIK3 C2G	PIP5 K1B	1845 872	1845 741	9606.E NSP00 000266 497	9606.ENS P0000026 5382	0	0	0	0	0	0.149	0.22	0.927
HK2	SOR D	1847 242	1845 966	9606.E NSP00 000290 573	9606.ENS P0000026 7814	0	0	0	0	0.085	0	0.272	0.927
EGF	SER PINE 1	1845 705	1842 959	9606.E NSP00 000265 171	9606.ENS P0000022 3095	0	0	0	0	0	0	0.306	0.927

GPC 3	DCN	1858 180	1842 218	9606.E NSP00 000377 836	9606.ENS P0000005 2754	0	0	0	0	0	0	0.307	0.927
MMP 9	FLT1	1855 661	1846 791	9606.E NSP00 000361 405	9606.ENS P0000028 2397	0	0	0	0	0	0	0.926	0.926
FYB	CD3 E	1861 668	1854 149	9606.E NSP00 000425 845	9606.ENS P0000035 4566	0	0	0	0	0	0	0.295	0.926
FGF1	KDR	1852 115	1845 437	9606.E NSP00 000338 548	9606.ENS P0000026 3923	0	0	0	0	0	0	0.645	0.926
VEG FA	DLL 4	1855 611	1843 973	9606.E NSP00 000361 125	9606.ENS P0000024 9749	0	0	0	0	0	0	0.926	0.926
ALB	KDR	1847 637	1845 437	9606.E NSP00 000295 897	9606.ENS P0000026 3923	0	0	0	0	0	0	0.926	0.926

ASF1 B	HIST IH3 B	1845 347	1843 731	9606.E NSP00 000263 382	9606.ENS P0000024 4661	0	0	0	0	0.078	0.668	0.779	0.926
PLA U	EGF R	1855 748	1846 445	9606.E NSP00 000361 850	9606.ENS P0000027 5493	0	0	0	0	0	0	0.297	0.926
MMP 9	ITGB 2	1855 661	1848 511	9606.E NSP00 000361 405	9606.ENS P0000030 3242	0	0	0	0	0	0	0.285	0.925
VEG FA	NCK 1	1855 611	1847 149	9606.E NSP00 000361 125	9606.ENS P0000028 8986	0	0	0	0	0	0	0.284	0.925
ALB	ABC C3	1847 637	1846 952	9606.E NSP00 000295 897	9606.ENS P0000028 5238	0	0	0	0	0	0	0.283	0.925
NCK 1	CAV 2	1847 149	1842 935	9606.E NSP00 000288 986	9606.ENS P0000022 2693	0	0	0	0	0	0.576	0.832	0.925

CXC R4	CXC L11	1859 216	1848 890	9606.E NSP00 000386 884	9606.ENS P0000030 6884	0	0	0	0	0	0	0.29	0.925
CD3 G	PTP RC	1861 876	1854 576	9606.E NSP00 000431 445	9606.ENS P0000035 6346	0	0	0	0	0.084	0	0.255	0.925
COL 4A1	COL 5A2	1856 385	1856 195	9606.E NSP00 000364 979	9606.ENS P0000036 4000	0	0	0	0.637	0.091	0	0.595	0.925
MYC	TGF B1	1856 789	1842 869	9606.E NSP00 000367 207	9606.ENS P0000022 1930	0	0	0	0	0	0	0.925	0.925
DCX R	SOR D	1848 521	1845 966	9606.E NSP00 000303 356	9606.ENS P0000026 7814	0	0	0	0	0.086	0	0.245	0.924
FGF9	EGF R	1857 512	1846 445	9606.E NSP00 000371 790	9606.ENS P0000027 5493	0	0	0	0	0	0	0.636	0.924

CAL B1	TRP V5	1845 750	1845 722	9606.E NSP00 000265 431	9606.ENS P0000026 5310	0	0	0	0	0	0.576	0.828	0.924
HCK	DOC K2	1856 392	1844 476	9606.E NSP00 000365 012	9606.ENS P0000025 6935	0	0	0	0	0	0	0.272	0.924
ACA A1	ACO X2	1851 610	1848 984	9606.E NSP00 000333 664	9606.ENS P0000030 7697	0.347	0	0	0	0.427	0	0.813	0.924
KCN MA1	CAV 1	1859 069	1852 186	9606.E NSP00 000385 806	9606.ENS P0000033 9191	0	0	0	0	0	0.566	0.831	0.923
KDR	DLL 4	1845 437	1843 973	9606.E NSP00 000263 923	9606.ENS P0000024 9749	0	0	0	0	0	0	0.923	0.923
CAV 1	TGF B1	1852 186	1842 869	9606.E NSP00 000339 191	9606.ENS P0000022 1930	0	0	0	0	0	0	0.267	0.923

CEN PF	KIF1 8A	1854 480	1845 299	9606.E NSP00 000355 922	9606.ENS P0000026 3181	0	0	0	0	0.066	0	0.246	0.923
PTG S2	CYP 2B6	1854 602	1850 664	9606.E NSP00 000356 438	9606.ENS P0000032 4648	0	0	0	0	0	0	0.264	0.923
COL 15A1	COL 1A1	1856 217	1843 064	9606.E NSP00 000364 140	9606.ENS P0000022 5964	0	0	0	0.609	0	0	0.614	0.923
FN1	HRG	1853 098	1843 307	9606.E NSP00 000346 839	9606.ENS P0000023 2003	0	0	0	0	0	0.159	0.159	0.923
HAD H	HMG CS2	1859 056	1855 015	9606.E NSP00 000385 638	9606.ENS P0000035 8414	0	0	0	0	0	0	0.265	0.923
HAO 2	DAO	1849 865	1843 145	9606.E NSP00 000316 339	9606.ENS P0000022 8476	0	0	0	0	0	0	0.632	0.923



MMP 9	NCF 2	1855 661	1854 612	9606.E NSP00 000361 405	9606.ENS P0000035 6505	0	0	0	0	0	0	0.264	0.923
ICA M1	TGF B1	1845 628	1842 869	9606.E NSP00 000264 832	9606.ENS P0000022 1930	0	0	0	0	0	0	0.923	0.923
ADS SL1	ASS1	1851 543	1844 185	9606.E NSP00 000333 019	9606.ENS P0000025 3004	0	0	0	0	0.25	0	0.063	0.923
CEN PF	CEN PK	1854 480	1843 648	9606.E NSP00 000355 922	9606.ENS P0000024 2872	0	0	0	0	0.076	0	0.243	0.923
NOS 1	ASS1	1852 004	1844 185	9606.E NSP00 000337 459	9606.ENS P0000025 3004	0	0	0	0	0	0	0.263	0.923
HAD H	ABA T	1859 056	1846 008	9606.E NSP00 000385 638	9606.ENS P0000026 8251	0	0	0	0	0	0	0.253	0.922

COL 4A1	COL 15A1	1856 385	1856 217	9606.E NSP00 000364 979	9606.ENS P0000036 4140	0	0	0	0.613	0	0	0.602	0.922
CYP 27B1	CYP 24A1	1843 152	1842 627	9606.E NSP00 000228 606	9606.ENS P0000021 6862	0	0	0.527	0.832	0	0	0.935	0.922
PIK3 CG	PIP5 K1B	1853 801	1845 741	9606.E NSP00 000352 121	9606.ENS P0000026 5382	0	0	0	0	0	0.149	0.167	0.922
CDK 1	RAP 1GA P	1858 283	1847 204	9606.E NSP00 000378 699	9606.ENS P0000029 0101	0	0	0	0	0	0.576	0.824	0.922
ALD OB	HK2	1856 191	1847 242	9606.E NSP00 000363 988	9606.ENS P0000029 0573	0	0	0	0	0.073	0	0.614	0.922
LDH D	LDH B	1848 124	1843 197	9606.E NSP00 000300 051	9606.ENS P0000022 9319	0	0	0	0	0	0	0.254	0.922

CHS T11	DCN	1848 766	1842 218	9606.E NSP00 000305 725	9606.ENS P0000005 2754	0	0	0	0	0	0	0.253	0.922
KIF2 A	KIF1 8A	1859 005	1845 299	9606.E NSP00 000385 000	9606.ENS P0000026 3181	0	0	0	0.683	0.073	0	0.63	0.922
MMP 9	ERB B2	1855 661	1846 101	9606.E NSP00 000361 405	9606.ENS P0000026 9571	0	0	0	0	0	0	0.921	0.922
PLK1	CEN PK	1848 135	1843 648	9606.E NSP00 000300 093	9606.ENS P0000024 2872	0	0	0	0	0.169	0	0.142	0.922
NED D4L	TGF B1	1858 810	1842 869	9606.E NSP00 000383 199	9606.ENS P0000022 1930	0	0	0	0	0	0.078	0.224	0.922
CSP G4	DCN	1849 543	1842 218	9606.E NSP00 000312 506	9606.ENS P0000005 2754	0	0	0	0	0	0	0.253	0.922

NDC 80	CEN PK	1844 946	1843 648	9606.E NSP00 000261 597	9606.ENS P0000024 2872	0	0	0	0	0.139	0	0.162	0.921
PRK CDB P	CDH 2	1848 946	1846 066	9606.E NSP00 000307 292	9606.ENS P0000026 9141	0	0	0	0	0	0.921	0	0.921
JAK3	CXC R4	1859 586	1859 216	9606.E NSP00 000391 676	9606.ENS P0000038 6884	0	0	0	0	0	0.57	0.16	0.921
NPY 1R	NPY 5R	1854 180	1852 206	9606.E NSP00 000354 652	9606.ENS P0000033 9377	0	0	0	0.74	0	0	0.838	0.921
IL2R A	CD3 E	1857 121	1854 149	9606.E NSP00 000369 293	9606.ENS P0000035 4566	0	0	0	0	0	0	0.243	0.921
HS6S T2	GPC 3	1861 795	1858 180	9606.E NSP00 000429 473	9606.ENS P0000037 7836	0	0	0	0	0	0	0.25	0.921

GPC 3	VCA N	1858 180	1845 684	9606.E NSP00 000377 836	9606.ENS P0000026 5077	0	0	0	0	0	0	0.243	0.921
VEG FA	MMP 1	1855 611	1850 481	9606.E NSP00 000361 125	9606.ENS P0000032 2788	0	0	0	0	0	0	0.921	0.921
CXC L11	CXC L10	1848 890	1848 754	9606.E NSP00 000306 884	9606.ENS P0000030 5651	0	0	0	0.836	0.118	0	0.87	0.921
MYC	NR0 B2	1856 789	1844 279	9606.E NSP00 000367 207	9606.ENS P0000025 4227	0	0	0	0	0	0	0.251	0.921
JAK3	BLN K	1859 586	1842 996	9606.E NSP00 000391 676	9606.ENS P0000022 4337	0	0	0	0	0	0	0.92	0.921
CYP 2B6	GST M3	1850 664	1844 453	9606.E NSP00 000324 648	9606.ENS P0000025 6594	0	0	0	0	0	0	0.243	0.921

COL 5A2	COL 1A1	1856 195	1843 064	9606.E NSP00 000364 000	9606.ENS P0000022 5964	0	0	0	0.83	0.131	0	0.713	0.92
MYC	KIT	1856 789	1847 112	9606.E NSP00 000367 207	9606.ENS P0000028 8135	0	0	0	0	0	0	0.92	0.92
TTK	BUB 1	1855 108	1848 415	9606.E NSP00 000358 813	9606.ENS P0000030 2530	0	0	0	0	0.179	0.724	0.678	0.92
ADH 1B	GST M3	1848 863	1844 453	9606.E NSP00 000306 606	9606.ENS P0000025 6594	0	0	0	0	0	0	0.234	0.92
PTPR C	KIT	1854 576	1847 112	9606.E NSP00 000356 346	9606.ENS P0000028 8135	0	0	0	0	0	0.074	0.917	0.92
THR B	NR0 B2	1853 357	1844 279	9606.E NSP00 000348 827	9606.ENS P0000025 4227	0	0	0	0	0	0	0.237	0.92

TLR2	CYP 27B1	1844 747	1843 152	9606.E NSP00 000260 010	9606.ENS P0000022 8606	0	0	0	0	0	0	0.92	0.92
PIK3 CG	ERB B2	1853 801	1846 101	9606.E NSP00 000352 121	9606.ENS P0000026 9571	0	0	0	0	0	0	0.62	0.92
MYC	IL2R B	1856 789	1842 567	9606.E NSP00 000367 207	9606.ENS P0000021 6223	0	0	0	0	0	0	0.24	0.92
ALD H6A 1	PCC B	1862 703	1861 392	9606.E NSP00 000450 436	9606.ENS P0000041 9027	0	0	0	0	0.157	0	0.121	0.919
COL 5A2	COL 8A1	1856 195	1844 844	9606.E NSP00 000364 000	9606.ENS P0000026 1037	0	0	0	0.614	0	0	0.523	0.919
NPY 1R	CXC L13	1854 180	1847 033	9606.E NSP00 000354 652	9606.ENS P0000028 6758	0	0	0	0	0	0.075	0.199	0.919

PLO D2	GLT 25D1	1846 823	1844 142	9606.E NSP00 000282 903	9606.ENS P0000025 2599	0	0	0	0.619	0	0	0.528	0.919
ENP P1	ACP P	1854 095	1850 504	9606.E NSP00 000354 238	9606.ENS P0000032 3036	0	0	0	0	0	0	0.23	0.919
PLC D4	PIK3 C2G	1859 361	1845 872	9606.E NSP00 000388 631	9606.ENS P0000026 6497	0	0	0	0	0	0.149	0.13	0.919
ITGB 2	SELP LG	1848 511	1843 143	9606.E NSP00 000303 242	9606.ENS P0000022 8463	0	0	0	0	0.08	0	0.196	0.919
ACP P	ERB B2	1850 504	1846 101	9606.E NSP00 000323 036	9606.ENS P0000026 9571	0	0	0	0	0	0.917	0.064	0.919
GLD C	PIPO X	1857 365	1849 980	9606.E NSP00 000370 737	9606.ENS P0000031 7721	0	0	0	0	0	0	0.223	0.918



PLG	ITGB 2	1849 130	1848 511	9606.E NSP00 000308 938	9606.ENS P0000030 3242	0	0	0	0	0	0	0.216	0.918
PLA U	ITG A5	1855 748	1847 411	9606.E NSP00 000361 850	9606.ENS P0000029 3379	0	0	0	0	0	0	0.215	0.918
CD3 E	PRF1	1854 149	1849 900	9606.E NSP00 000354 566	9606.ENS P0000031 6746	0	0	0	0	0.18	0	0.086	0.918
ADM	SCT R	1846 549	1842 186	9606.E NSP00 000278 175	9606.ENS P0000001 9103	0	0	0	0	0	0	0.216	0.918
COL 15A1	COL 5A2	1856 217	1856 195	9606.E NSP00 000364 140	9606.ENS P0000036 4000	0	0	0	0.609	0	0	0.485	0.918
JAK3	IKZF 3	1859 586	1852 827	9606.E NSP00 000391 676	9606.ENS P0000034 4544	0	0	0	0	0.065	0.08	0.169	0.918

SOS TDC 1	BMP R1B	1848 687	1845 568	9606.E NSP00 000304 930	9606.ENS P0000026 4568	0	0	0	0	0	0	0.214	0.918
KIF2 A	MLF IIP	1859 005	1846 726	9606.E NSP00 000385 000	9606.ENS P0000028 1453	0	0	0	0	0	0	0.217	0.918
TRE M2	SEM A6D	1855 832	1850 688	9606.E NSP00 000362 205	9606.ENS P0000032 4857	0	0	0	0	0	0	0.216	0.918
CXC L9	CXC L10	1854 250	1848 754	9606.E NSP00 000354 901	9606.ENS P0000030 5651	0	0	0	0.834	0.073	0	0.91	0.917
PPA RGC 1A	TGF B1	1845 634	1842 869	9606.E NSP00 000264 867	9606.ENS P0000022 1930	0	0	0	0	0	0	0.207	0.917
ITK	CD8 6	1860 098	1851 423	9606.E NSP00 000398 655	9606.ENS P0000033 2049	0	0	0	0	0	0	0.208	0.917

FGFI	FLT1	1852 115	1846 791	9606.E NSP00 000338 548	9606.ENS P0000028 2397	0	0	0	0	0	0	0.602	0.917
PIPO X	DAO	1849 980	1843 145	9606.E NSP00 000317 721	9606.ENS P0000022 8476	0	0	0	0	0	0	0.213	0.917
PTPR C	ITG AX	1854 576	1846 012	9606.E NSP00 000356 346	9606.ENS P0000026 8296	0	0	0	0	0	0	0.917	0.917
PIK3 CG	RAC 2	1853 801	1843 949	9606.E NSP00 000352 121	9606.ENS P0000024 9071	0	0	0	0	0	0.255	0.49	0.917
BUB 1	CEN PK	1848 415	1843 648	9606.E NSP00 000302 530	9606.ENS P0000024 2872	0	0	0	0	0.111	0	0.146	0.917
ITK	CD3 D	1860 098	1848 206	9606.E NSP00 000398 655	9606.ENS P0000030 0692	0	0	0	0	0	0	0.206	0.917

PLX NB1	RAC 2	1847 728	1843 949	9606.E NSP00 000296 440	9606.ENS P0000024 9071	0	0	0	0	0	0.11	0.148	0.917
CXC R4	CXC L10	1859 216	1848 754	9606.E NSP00 000386 884	9606.ENS P0000030 5651	0	0	0	0	0	0	0.205	0.917
ANG PTL4	PPA RGC 1A	1848 295	1845 634	9606.E NSP00 000301 455	9606.ENS P0000026 4867	0	0	0	0	0	0	0.212	0.917
CD2	FCG R3A	1855 033	1854 695	9606.E NSP00 000358 490	9606.ENS P0000035 6946	0	0	0	0	0	0	0.198	0.916
ERB B2	RAC 2	1846 101	1843 949	9606.E NSP00 000269 571	9606.ENS P0000024 9071	0	0	0	0	0	0.125	0.123	0.916
TRA T1	CD4	1847 619	1842 167	9606.E NSP00 000295 756	9606.ENS P0000001 1653	0	0	0	0	0	0	0.201	0.916

CD3 G	IL2R B	1861 876	1842 567	9606.E NSP00 000431 445	9606.ENS P0000021 6223	0	0	0	0	0	0	0.195	0.916
ARH GAP 11A	ARH GDI B	1854 297	1843 176	9606.E NSP00 000355 090	9606.ENS P0000022 8945	0	0	0	0	0	0	0.198	0.916
NFA SC	CNT N1	1852 857	1850 758	9606.E NSP00 000344 786	9606.ENS P0000032 5660	0	0	0	0.719	0	0	0.602	0.916
CAS R	MTN R1A	1861 464	1848 453	9606.E NSP00 000420 194	9606.ENS P0000030 2811	0	0	0	0	0	0	0.199	0.916
JAK3	NMI	1859 586	1843 666	9606.E NSP00 000391 676	9606.ENS P0000024 3346	0	0	0	0	0	0	0.197	0.916
CXC L10	C3	1848 754	1843 781	9606.E NSP00 000305 651	9606.ENS P0000024 5907	0	0	0	0	0	0	0.197	0.916

SLIT 2	NCK 1	1861 570	1847 149	9606.E NSP00 000422 591	9606.ENS P0000028 8986	0	0	0	0	0	0	0.198	0.916
FCG R3A	FCG R2A	1854 695	1846 197	9606.E NSP00 000356 946	9606.ENS P0000027 1450	0	0	0	0.858	0.076	0	0.92	0.916
CDK 1	HSP A2	1858 283	1843 861	9606.E NSP00 000378 699	9606.ENS P0000024 7207	0	0	0	0	0	0.592	0.803	0.916
RGS 1	FPR3	1854 596	1852 509	9606.E NSP00 000356 429	9606.ENS P0000034 1821	0	0	0	0	0	0	0.197	0.916
ITGB 2	FCG R2A	1848 511	1846 197	9606.E NSP00 000303 242	9606.ENS P0000027 1450	0	0	0	0	0	0	0.2	0.916
HCK	PIK3 CG	1856 392	1853 801	9606.E NSP00 000365 012	9606.ENS P0000035 2121	0	0	0	0	0	0.088	0.576	0.916

TNF RSF9	IL2R B	1856 697	1842 567	9606.E NSP00 000366 729	9606.ENS P0000021 6223	0	0	0	0	0	0	0.194	0.915
NPY 1R	KNG 1	1854 180	1845 668	9606.E NSP00 000354 652	9606.ENS P0000026 5023	0	0	0	0	0	0	0.191	0.915
ALD H6A 1	ABA T	1862 703	1846 008	9606.E NSP00 000450 436	9606.ENS P0000026 8251	0	0	0	0	0.102	0	0.134	0.915
TTK	NUF 2	1855 108	1846 198	9606.E NSP00 000358 813	9606.ENS P0000027 1452	0	0	0	0	0.181	0.875	0.243	0.915
ENP P3	ACP P	1853 565	1850 504	9606.E NSP00 000350 265	9606.ENS P0000032 3036	0	0	0	0	0	0	0.193	0.915
PLA2 G4F	MBO AT2	1857 523	1848 380	9606.E NSP00 000371 833	9606.ENS P0000030 2177	0	0	0	0	0	0.149	0.089	0.915

HCK	FCG R3A	1856 392	1854 695	9606.E NSP00 000365 012	9606.ENS P0000035 6946	0	0	0	0	0.11	0	0.125	0.915
BUB 1B	CEN PK	1847 075	1843 648	9606.E NSP00 000287 598	9606.ENS P0000024 2872	0	0	0	0	0.102	0	0.136	0.915
EGF	TIM P1	1845 705	1842 705	9606.E NSP00 000265 171	9606.ENS P0000021 8388	0	0	0	0	0	0	0.187	0.915
NEK 6	PLK 1	1855 945	1848 135	9606.E NSP00 000362 702	9606.ENS P0000030 0093	0	0	0	0.702	0	0	0.528	0.915
CDK 1	SKA 3	1858 283	1850 147	9606.E NSP00 000378 699	9606.ENS P0000031 9417	0	0	0	0	0.141	0	0.092	0.915
KIF2 A	CEN PF	1859 005	1854 480	9606.E NSP00 000385 000	9606.ENS P0000035 5922	0	0	0	0	0	0	0.181	0.914



PTP N13	HCK	1859 831	1856 392	9606.E NSP00 000394 794	9606.ENS P0000036 5012	0	0	0	0	0	0.074	0.151	0.914
CEN PE	CEN PK	1845 701	1843 648	9606.E NSP00 000265 148	9606.ENS P0000024 2872	0	0	0	0	0.104	0	0.12	0.914
SUC NR1	OXG R1	1854 311	1847 962	9606.E NSP00 000355 156	9606.ENS P0000029 8440	0	0	0	0.835	0	0	0.86	0.914
ARH GAP 25	RAC 2	1859 220	1843 949	9606.E NSP00 000386 911	9606.ENS P0000024 9071	0	0	0	0	0.07	0.078	0.125	0.914
CDH 13	CDH 2	1860 733	1846 066	9606.E NSP00 000408 632	9606.ENS P0000026 9141	0	0	0	0.725	0	0	0.539	0.914
PRO S1	VEG FA	1858 171	1855 611	9606.E NSP00 000377 783	9606.ENS P0000036 1125	0	0	0	0	0	0	0.18	0.914

ITK	PIK3 CG	1860 098	1853 801	9606.E NSP00 000398 655	9606.ENS P0000035 2121	0	0	0	0	0	0.088	0.569	0.914
NEK 6	KIF1 1	1855 945	1844 817	9606.E NSP00 000362 702	9606.ENS P0000026 0731	0	0	0	0	0.113	0	0.907	0.914
ESR RB	NR0 B2	1857 301	1844 279	9606.E NSP00 000370 270	9606.ENS P0000025 4227	0	0	0	0	0	0	0.17	0.913
ALD H6A 1	HAD H	1862 703	1859 056	9606.E NSP00 000450 436	9606.ENS P0000038 5638	0	0.007	0	0	0.086	0	0.126	0.913
ARH GAP 25	RHO H	1859 220	1857 435	9606.E NSP00 000386 911	9606.ENS P0000037 1219	0	0	0	0	0.09	0	0.125	0.913
IRF6	ICA M1	1854 497	1845 628	9606.E NSP00 000355 988	9606.ENS P0000026 4832	0	0	0	0	0	0	0.168	0.913

VEG FA	HMO X1	1855 611	1842 546	9606.E NSP00 000361 125	9606.ENS P0000021 6117	0	0	0	0	0	0	0.913	0.913
GBP 2	OAS 2	1855 261	1852 576	9606.E NSP00 000359 497	9606.ENS P0000034 2278	0	0	0	0	0.073	0	0.144	0.913
NPY 1R	CCL 5	1854 180	1847 396	9606.E NSP00 000354 652	9606.ENS P0000029 3272	0	0	0	0	0	0	0.174	0.913
PRK AR2 B	AQP 2	1845 791	1842 380	9606.E NSP00 000265 717	9606.ENS P0000019 9280	0	0	0	0	0.113	0	0.099	0.913
CXC L9	CXC L11	1854 250	1848 890	9606.E NSP00 000354 901	9606.ENS P0000030 6884	0	0	0	0.841	0	0	0.87	0.913
GAT A3	CD4	1857 010	1842 167	9606.E NSP00 000368 632	9606.ENS P0000001 1653	0	0	0	0	0	0	0.913	0.913

ALB	EGF	1847 637	1845 705	9606.E NSP00 000295 897	9606.ENS P0000026 5171	0	0	0	0	0	0	0.168	0.913
CXC R4	NPY 1R	1859 216	1854 180	9606.E NSP00 000386 884	9606.ENS P0000035 4652	0	0	0	0.657	0	0	0.411	0.913
ARH GAP 24	RAC 2	1858 278	1843 949	9606.E NSP00 000378 611	9606.ENS P0000024 9071	0	0	0	0	0	0.09	0.125	0.913
CD3 E	IL2R B	1854 149	1842 567	9606.E NSP00 000354 566	9606.ENS P0000021 6223	0	0	0	0	0	0	0.174	0.913
CHS T15	VCA N	1851 650	1845 684	9606.E NSP00 000333 947	9606.ENS P0000026 5077	0	0	0	0	0	0	0.17	0.913
ACA N	BMP 7	1859 267	1858 342	9606.E NSP00 000387 356	9606.ENS P0000037 9204	0	0	0	0	0	0	0.913	0.913

GBP 2	ICA M1	1855 261	1845 628	9606.E NSP00 000359 497	9606.ENS P0000026 4832	0	0	0	0	0	0	0.169	0.913
CYP 2J2	PTG S2	1855 431	1854 602	9606.E NSP00 000360 247	9606.ENS P0000035 6438	0	0	0	0	0	0	0.166	0.913
QPR T	ENP P1	1858 293	1854 095	9606.E NSP00 000378 782	9606.ENS P0000035 4238	0	0	0	0	0	0	0.16	0.912
QPR T	ENP P3	1858 293	1853 565	9606.E NSP00 000378 782	9606.ENS P0000035 0265	0	0	0	0	0	0	0.16	0.912
ANK 2	SPT BN2	1853 464	1849 428	9606.E NSP00 000349 588	9606.ENS P0000031 1489	0	0	0	0	0.07	0.079	0.103	0.912
MYC	CCL 5	1856 789	1847 396	9606.E NSP00 000367 207	9606.ENS P0000029 3272	0	0	0	0	0	0	0.16	0.912

CD3 E	CD8 6	1854 149	1851 423	9606.E NSP00 000354 566	9606.ENS P0000033 2049	0	0	0	0	0	0	0.163	0.912
IL2R A	MYC	1857 121	1856 789	9606.E NSP00 000369 293	9606.ENS P0000036 7207	0	0	0	0	0	0	0.163	0.912
CD3 D	IL2R B	1848 206	1842 567	9606.E NSP00 000300 692	9606.ENS P0000021 6223	0	0	0	0	0	0	0.163	0.912
CAS R	GPR 65	1861 464	1845 954	9606.E NSP00 000420 194	9606.ENS P0000026 7549	0	0	0	0	0	0	0.162	0.912
CXC L9	C3	1854 250	1843 781	9606.E NSP00 000354 901	9606.ENS P0000024 5907	0	0	0	0	0	0	0.163	0.912
SCN N1B	SGK 2	1852 969	1852 346	9606.E NSP00 000345 751	9606.ENS P0000034 0608	0	0	0	0	0	0	0.162	0.912

MMP 9	HMO X1	1855 661	1842 546	9606.E NSP00 000361 405	9606.ENS P0000021 6117	0	0	0	0	0	0	0.912	0.912
IL2R A	TNF RSF9	1857 121	1856 697	9606.E NSP00 000369 293	9606.ENS P0000036 6729	0	0	0	0	0	0	0.163	0.912
APB B1IP	VWF	1856 462	1844 904	9606.E NSP00 000365 411	9606.ENS P0000026 1405	0	0	0	0	0	0	0.165	0.912
PRE X1	RAC 2	1855 583	1843 949	9606.E NSP00 000361 009	9606.ENS P0000024 9071	0	0	0	0	0	0	0.582	0.912
INPP 5J	PIK3 C2G	1858 952	1845 872	9606.E NSP00 000384 534	9606.ENS P0000026 6497	0	0	0	0	0	0.097	0.098	0.911
RGS 1	CCL 20	1854 596	1853 751	9606.E NSP00 000356 429	9606.ENS P0000035 1671	0	0	0	0	0	0	0.151	0.911

KIF2 A	CEN PI	1859 005	1855 785	9606.E NSP00 000385 000	9606.ENS P0000036 2018	0	0	0	0	0.089	0	0.108	0.911
FN1	KNG 1	1853 098	1845 668	9606.E NSP00 000346 839	9606.ENS P0000026 5023	0	0	0	0	0	0	0.151	0.911
KCT D1	TFA P2B	1860 716	1858 114	9606.E NSP00 000408 405	9606.ENS P0000037 7265	0	0	0	0	0.066	0.663	0.741	0.911
PLA2 G4F	CYP 4F2	1857 523	1842 855	9606.E NSP00 000371 833	9606.ENS P0000022 1700	0	0	0	0	0	0	0.147	0.911
INPP 5D	PIK3 C2G	1853 868	1845 872	9606.E NSP00 000352 575	9606.ENS P0000026 6497	0	0	0	0	0	0.097	0.098	0.911
CXC R4	CXC L9	1859 216	1854 250	9606.E NSP00 000386 884	9606.ENS P0000035 4901	0	0	0	0	0	0	0.152	0.911



PRO SI	TIM PI	1858 171	1842 705	9606.E NSP00 000377 783	9606.ENS P0000021 8388	0	0	0	0	0	0	0.152	0.911
PDG FD	PLA T	1858 075	1842 802	9606.E NSP00 000376 865	9606.ENS P0000022 0809	0	0	0	0	0	0	0.142	0.91
CAS R	SUC NR1	1861 464	1854 311	9606.E NSP00 000420 194	9606.ENS P0000035 5156	0	0	0	0	0	0	0.141	0.91
RGS 1	CCL 5	1854 596	1847 396	9606.E NSP00 000356 429	9606.ENS P0000029 3272	0	0	0	0	0	0	0.14	0.91
APB B1IP	PFN2	1856 462	1843 544	9606.E NSP00 000365 411	9606.ENS P0000023 9940	0	0	0	0	0	0.566	0.047	0.91
PFKP	ENO 2	1857 335	1843 192	9606.E NSP00 000370 517	9606.ENS P0000022 9277	0.193	0	0	0	0.736	0	0.612	0.91

ITGB 2	PRO C	1848 511	1843 382	9606.E NSP00 000303 242	9606.ENS P0000023 4071	0	0	0	0	0	0	0.141	0.91
PLA2 G4F	CYP 4F3	1857 523	1842 824	9606.E NSP00 000371 833	9606.ENS P0000022 1307	0	0	0	0	0	0	0.139	0.91
FGF9	FGF1	1857 512	1852 115	9606.E NSP00 000371 790	9606.ENS P0000033 8548	0	0	0	0.863	0	0	0.743	0.91
CAS R	CXC R4	1861 464	1859 216	9606.E NSP00 000420 194	9606.ENS P0000038 6884	0	0	0	0	0	0	0.137	0.91
CD86	CD3 D	1851 423	1848 206	9606.E NSP00 000332 049	9606.ENS P0000030 0692	0	0	0	0	0.072	0	0.112	0.91
PIK3 CG	ERB B4	1853 801	1852 571	9606.E NSP00 000352 121	9606.ENS P0000034 2235	0	0	0	0	0	0	0.569	0.91

ENP P3	PYG L	1853 565	1842 591	9606.E NSP00 000350 265	9606.ENS P0000021 6392	0	0	0	0	0	0	0.138	0.91
PTG ER3	APL N	1853 383	1848 734	9606.E NSP00 000349 003	9606.ENS P0000030 5464	0	0	0	0	0	0	0.137	0.91
CYP 2J2	CYP 2B6	1855 431	1850 664	9606.E NSP00 000360 247	9606.ENS P0000032 4648	0	0	0.527	0.914	0	0	0.72	0.91
RHO H	RAC 2	1857 435	1843 949	9606.E NSP00 000371 219	9606.ENS P0000024 9071	0	0	0.511	0.918	0.07	0	0.447	0.91
SUS D2	LGA LS1	1853 667	1842 521	9606.E NSP00 000351 075	9606.ENS P0000021 5909	0	0	0	0	0	0.517	0.821	0.909
INPP 5J	PIP5 K1B	1858 952	1845 741	9606.E NSP00 000384 534	9606.ENS P0000026 5382	0	0	0	0	0	0	0.133	0.909

CSF1 R	KITL G	1847 002	1843 134	9606.E NSP00 000286 301	9606.ENS P0000022 8280	0	0	0	0	0	0	0.564	0.909
INPP 5D	PIP5 K1B	1853 868	1845 741	9606.E NSP00 000352 575	9606.ENS P0000026 5382	0	0	0	0	0	0	0.133	0.909
CAS R	PTG ER3	1861 464	1853 383	9606.E NSP00 000420 194	9606.ENS P0000034 9003	0	0	0	0	0	0	0.136	0.909
CAS R	CLD N16	1861 464	1845 612	9606.E NSP00 000420 194	9606.ENS P0000026 4734	0	0	0	0	0	0	0.909	0.909
CEN PF	SKA 3	1854 480	1850 147	9606.E NSP00 000355 922	9606.ENS P0000031 9417	0	0	0	0	0.084	0	0.094	0.909
PLA U	ITGB 2	1855 748	1848 511	9606.E NSP00 000361 850	9606.ENS P0000030 3242	0	0	0	0	0	0	0.135	0.909

ITK	HCK	1860 098	1856 392	9606.E NSP00 000398 655	9606.ENS P0000036 5012	0	0	0	0.86	0	0	0.705	0.909
CXC L10	C3A R1	1848 754	1848 367	9606.E NSP00 000305 651	9606.ENS P0000030 2079	0	0	0	0	0	0	0.129	0.909
GAT A3	TGF B1	1857 010	1842 869	9606.E NSP00 000368 632	9606.ENS P0000022 1930	0	0	0	0	0	0	0.909	0.909
PGF	MMP 9	1862 737	1855 661	9606.E NSP00 000451 040	9606.ENS P0000036 1405	0	0	0	0	0	0	0.909	0.909
HRG	TGF B1	1843 307	1842 869	9606.E NSP00 000232 003	9606.ENS P0000022 1930	0	0	0	0	0	0	0.134	0.909
CD36	GZM A	1849 038	1846 373	9606.E NSP00 000308 165	9606.ENS P0000027 4306	0	0	0	0	0	0	0.135	0.909

MMP 9	TLR 2	1855 661	1844 747	9606.E NSP00 000361 405	9606.ENS P0000026 0010	0	0	0	0	0	0	0.908	0.908
ARH GAP 24	RHO H	1858 278	1857 435	9606.E NSP00 000378 611	9606.ENS P0000037 1219	0	0	0	0	0	0	0.125	0.908
HCK	EPH A3	1856 392	1852 002	9606.E NSP00 000365 012	9606.ENS P0000033 7451	0	0	0	0.788	0.072	0	0.283	0.908
CCL 20	PTG ER3	1853 751	1853 383	9606.E NSP00 000351 671	9606.ENS P0000034 9003	0	0	0	0	0	0	0.118	0.908
CAS R	APL N	1861 464	1848 734	9606.E NSP00 000420 194	9606.ENS P0000030 5464	0	0	0	0	0	0	0.124	0.908
CDH 2	CCN D1	1846 066	1843 117	9606.E NSP00 000269 141	9606.ENS P0000022 7507	0	0	0	0	0	0	0.908	0.908

HRG	TIM P1	1843 307	1842 705	9606.E NSP00 000232 003	9606.ENS P0000021 8388	0	0	0	0	0	0	0.124	0.908
CCL 5	KNG 1	1847 396	1845 668	9606.E NSP00 000293 272	9606.ENS P0000026 5023	0	0	0	0	0	0	0.124	0.908
CAS P1	ARH GDI B	1860 827	1843 176	9606.E NSP00 000410 076	9606.ENS P0000022 8945	0	0	0	0	0	0	0.124	0.908
NOS 1	PRK AR2 B	1852 004	1845 791	9606.E NSP00 000337 459	9606.ENS P0000026 5717	0	0	0	0	0	0	0.123	0.908
PLA2 G4F	PTG S2	1857 523	1854 602	9606.E NSP00 000371 833	9606.ENS P0000035 6438	0	0	0	0	0	0	0.121	0.908
RGS 1	KNG 1	1854 596	1845 668	9606.E NSP00 000356 429	9606.ENS P0000026 5023	0	0	0	0	0	0	0.126	0.908

TNN T2	VIM	1854 566	1842 995	9606.E NSP00 000356 286	9606.ENS P0000022 4237	0	0	0	0	0	0	0.126	0.908
CD3 G	PRF1	1861 876	1849 900	9606.E NSP00 000431 445	9606.ENS P0000031 6746	0	0	0	0	0.111	0	0	0.907
C3A R1	KNG 1	1848 367	1845 668	9606.E NSP00 000302 079	9606.ENS P0000026 5023	0	0	0	0	0	0	0.113	0.907
TGF BI	LYZ	1861 221	1844 877	9606.E NSP00 000416 330	9606.ENS P0000026 1267	0	0	0	0	0	0	0.117	0.907
NPY 1R	APL N	1854 180	1848 734	9606.E NSP00 000354 652	9606.ENS P0000030 5464	0	0	0	0	0	0	0.114	0.907
PRO S1	FN1	1858 171	1853 098	9606.E NSP00 000377 783	9606.ENS P0000034 6839	0	0	0	0	0	0	0.113	0.907



ENP P1	PYG L	1854 095	1842 591	9606.E NSP00 000354 238	9606.ENS P0000021 6392	0	0	0	0	0	0	0.111	0.907
IL2R A	PRF1	1857 121	1849 900	9606.E NSP00 000369 293	9606.ENS P0000031 6746	0	0	0	0	0	0	0.11	0.907
PTG ER3	CCL 5	1853 383	1847 396	9606.E NSP00 000349 003	9606.ENS P0000029 3272	0	0	0	0	0	0	0.109	0.907
DEG S1	UGT 8	1849 873	1849 445	9606.E NSP00 000316 476	9606.ENS P0000031 1648	0	0	0	0	0	0	0.109	0.907
CXC R4	CCL 20	1859 216	1853 751	9606.E NSP00 000386 884	9606.ENS P0000035 1671	0	0	0	0	0	0	0.109	0.907
RGS 1	CXC L13	1854 596	1847 033	9606.E NSP00 000356 429	9606.ENS P0000028 6758	0	0	0	0	0	0	0.112	0.907

ENT PD1	RRM 2	1855 432	1854 033	9606.E NSP00 000360 250	9606.ENS P0000035 3770	0	0	0	0	0.095	0	0.061	0.907
CD3 G	ITK	1861 876	1860 098	9606.E NSP00 000431 445	9606.ENS P0000039 8655	0	0	0	0	0	0	0.111	0.907
PTG ER3	CXC L11	1853 383	1848 890	9606.E NSP00 000349 003	9606.ENS P0000030 6884	0	0	0	0	0	0	0.111	0.907
CAS R	CXC L13	1861 464	1847 033	9606.E NSP00 000420 194	9606.ENS P0000028 6758	0	0	0	0	0	0	0.099	0.906
FXY D4	ATP 1A1	1856 121	1847 591	9606.E NSP00 000363 575	9606.ENS P0000029 5598	0	0	0	0	0	0	0.101	0.906
PLC D4	INPP 5J	1859 361	1858 952	9606.E NSP00 000388 631	9606.ENS P0000038 4534	0	0	0	0	0	0	0.106	0.906

CNT N1	ANK 3	1850 758	1846 690	9606.E NSP00 000325 660	9606.ENS P0000028 0772	0	0	0	0	0.103	0.576	0.773	0.906
CXC L11	KNG 1	1848 890	1845 668	9606.E NSP00 000306 884	9606.ENS P0000026 5023	0	0	0	0	0	0	0.105	0.906
MYO F	KDR	1853 814	1845 437	9606.E NSP00 000352 208	9606.ENS P0000026 3923	0	0	0	0	0	0	0.101	0.906
ALD H6A 1	ACA A1	1862 703	1851 610	9606.E NSP00 000450 436	9606.ENS P0000033 3664	0	0	0	0	0.104	0	0	0.906
SH3 GL2	MET	1857 254	1849 944	9606.E NSP00 000369 981	9606.ENS P0000031 7272	0	0	0	0	0	0	0.101	0.906
CDH 2	CDH 3	1846 066	1845 457	9606.E NSP00 000269 141	9606.ENS P0000026 4012	0	0	0	0.906	0	0	0.705	0.906

RGS 1	CXC L11	1854 596	1848 890	9606.E NSP00 000356 429	9606.ENS P0000030 6884	0	0	0	0	0	0	0.103	0.906
SUC NR1	KNG 1	1854 311	1845 668	9606.E NSP00 000355 156	9606.ENS P0000026 5023	0	0	0	0	0	0	0.101	0.906
GST M3	ADH 1A	1844 453	1842 451	9606.E NSP00 000256 594	9606.ENS P0000020 9668	0	0	0	0	0	0	0.101	0.906
RGS 1	C3A R1	1854 596	1848 367	9606.E NSP00 000356 429	9606.ENS P0000030 2079	0	0	0	0	0	0	0.103	0.906
PTH LH	ADM	1858 343	1846 549	9606.E NSP00 000379 213	9606.ENS P0000027 8175	0	0	0	0	0	0	0.101	0.906
CXC R4	KNG 1	1859 216	1845 668	9606.E NSP00 000386 884	9606.ENS P0000026 5023	0	0	0	0	0	0	0.101	0.906

GPX 2	CYP 2J2	1857 838	1855 431	9606.E NSP00 000374 265	9606.ENS P0000036 0247	0	0	0	0	0	0	0.103	0.906
PRO S1	TGF B1	1858 171	1842 869	9606.E NSP00 000377 783	9606.ENS P0000022 1930	0	0	0	0	0	0	0.105	0.906
PDH A1	LDH D	1857 098	1848 124	9606.E NSP00 000369 134	9606.ENS P0000030 0051	0	0	0	0	0	0	0.106	0.906
HRH 2	SCT R	1856 654	1842 186	9606.E NSP00 000366 506	9606.ENS P0000001 9103	0	0	0	0	0	0	0.1	0.906
CD3 D	TRA T1	1848 206	1847 619	9606.E NSP00 000300 692	9606.ENS P0000029 5756	0	0	0	0	0	0	0.104	0.906
PTG ER3	MTN R1A	1853 383	1848 453	9606.E NSP00 000349 003	9606.ENS P0000030 2811	0	0	0	0	0	0	0.102	0.906

BUB 1B	KIF1 1	1847 075	1844 817	9606.E NSP00 000287 598	9606.ENS P0000026 0731	0	0	0	0	0.231	0.669	0.661	0.906
PTHI R	ADM	1850 409	1846 549	9606.E NSP00 000321 999	9606.ENS P0000027 8175	0	0	0	0	0	0	0.102	0.906
SUC NR1	CXC L11	1854 311	1848 890	9606.E NSP00 000355 156	9606.ENS P0000030 6884	0	0	0	0	0	0	0.106	0.906
CGN	TGF B1	1846 205	1842 869	9606.E NSP00 000271 636	9606.ENS P0000022 1930	0	0	0	0	0	0	0.092	0.905
HCK	EGF	1856 392	1845 705	9606.E NSP00 000365 012	9606.ENS P0000026 5171	0	0	0	0	0	0	0.09	0.905
CAS R	OXG R1	1861 464	1847 962	9606.E NSP00 000420 194	9606.ENS P0000029 8440	0	0	0	0	0	0	0.092	0.905

SH3 GL2	AP1 M2	1857 254	1844 001	9606.E NSP00 000369 981	9606.ENS P0000025 0244	0	0	0	0	0	0	0.089	0.905
SLC3 6A2	SLC6 A19	1851 696	1848 720	9606.E NSP00 000334 223	9606.ENS P0000030 5302	0	0	0	0	0	0	0.905	0.905
TRP V6	CAL B1	1853 837	1845 750	9606.E NSP00 000352 358	9606.ENS P0000026 5431	0	0	0	0	0	0.576	0.784	0.905
SHM T2	DAO	1851 612	1843 145	9606.E NSP00 000333 667	9606.ENS P0000022 8476	0	0	0	0	0	0	0.098	0.905
CD3 G	CD8 6	1861 876	1851 423	9606.E NSP00 000431 445	9606.ENS P0000033 2049	0	0	0	0	0	0	0.095	0.905
CAV 1	BTK	1852 186	1849 039	9606.E NSP00 000339 191	9606.ENS P0000030 8176	0	0	0	0	0	0.576	0.786	0.905

ENP P1	NNT	1854 095	1845 588	9606.E NSP00 000354 238	9606.ENS P0000026 4663	0	0	0	0	0.071	0	0.066	0.905
SH3P XD2 B	RAC 2	1849 216	1843 949	9606.E NSP00 000309 714	9606.ENS P0000024 9071	0	0	0	0	0	0.646	0.745	0.905
FPR3	CXC L13	1852 509	1847 033	9606.E NSP00 000341 821	9606.ENS P0000028 6758	0	0	0	0	0	0	0.091	0.905
C3A R1	CCL 5	1848 367	1847 396	9606.E NSP00 000302 079	9606.ENS P0000029 3272	0	0	0	0	0	0	0.081	0.904
GPC 3	CSP G4	1858 180	1849 543	9606.E NSP00 000377 836	9606.ENS P0000031 2506	0	0	0	0	0	0	0.081	0.904
ESR RB	THR B	1857 301	1853 357	9606.E NSP00 000370 270	9606.ENS P0000034 8827	0	0	0	0.696	0	0	0.168	0.904



CD3 G	HCK	1861 876	1856 392	9606.E NSP00 000431 445	9606.ENS P0000036 5012	0	0	0	0	0	0	0.084	0.904
CAS R	C3	1861 464	1843 781	9606.E NSP00 000420 194	9606.ENS P0000024 5907	0	0	0	0	0	0	0.08	0.904
ARH GAP 25	ARH GDI B	1859 220	1843 176	9606.E NSP00 000386 911	9606.ENS P0000022 8945	0	0	0	0	0	0	0.083	0.904
ESR RG	THR B	1859 115	1853 357	9606.E NSP00 000386 171	9606.ENS P0000034 8827	0	0	0	0.712	0	0	0.178	0.904
KITL G	CDC 6	1843 134	1842 453	9606.E NSP00 000228 280	9606.ENS P0000020 9728	0	0	0	0	0	0	0.081	0.904
PTG ER3	C3A R1	1853 383	1848 367	9606.E NSP00 000349 003	9606.ENS P0000030 2079	0	0	0	0	0	0	0.08	0.904

CD3 G	TRA T1	1861 876	1847 619	9606.E NSP00 000431 445	9606.ENS P0000029 5756	0	0	0	0	0	0	0.08	0.904
PTH1 R	SCT R	1850 409	1842 186	9606.E NSP00 000321 999	9606.ENS P0000001 9103	0	0	0	0.905	0	0	0.51	0.904
CHS T15	DCN	1851 650	1842 218	9606.E NSP00 000333 947	9606.ENS P0000005 2754	0	0	0	0	0	0	0.081	0.904
PTG ER3	CXC L10	1853 383	1848 754	9606.E NSP00 000349 003	9606.ENS P0000030 5651	0	0	0	0	0	0	0.081	0.904
ADH 6	GST M3	1858 245	1844 453	9606.E NSP00 000378 359	9606.ENS P0000025 6594	0	0	0	0	0	0	0.088	0.904
MUC 1	GCN T4	1854 790	1849 926	9606.E NSP00 000357 380	9606.ENS P0000031 7027	0	0	0	0	0	0	0.081	0.904

FPR3	C3A R1	1852 509	1848 367	9606.E NSP00 000341 821	9606.ENS P0000030 2079	0	0	0	0.775	0	0	0.235	0.904
JAK3	PIK3 CG	1859 586	1853 801	9606.E NSP00 000391 676	9606.ENS P0000035 2121	0	0	0	0	0	0.088	0.517	0.904
CXC R4	NPY 5R	1859 216	1852 206	9606.E NSP00 000386 884	9606.ENS P0000033 9377	0	0	0	0.63	0	0	0.159	0.904
ENT PD1	TYM S	1855 432	1849 803	9606.E NSP00 000360 250	9606.ENS P0000031 5644	0	0	0	0	0.07	0	0.052	0.904
OXG R1	KNG 1	1847 962	1845 668	9606.E NSP00 000298 440	9606.ENS P0000026 5023	0	0	0	0	0	0	0.08	0.904
RGS 1	C3	1854 596	1843 781	9606.E NSP00 000356 429	9606.ENS P0000024 5907	0	0	0	0	0	0	0.072	0.903

PTG ER3	CXC L13	1853 383	1847 033	9606.E NSP00 000349 003	9606.ENS P0000028 6758	0	0	0	0	0	0.075	0	0.903
TRE M2	LCP2	1855 832	1842 217	9606.E NSP00 000362 205	9606.ENS P0000004 6794	0	0	0	0	0	0	0.074	0.903
ARH GAP 24	ARH GDI B	1858 278	1843 176	9606.E NSP00 000378 611	9606.ENS P0000022 8945	0	0	0	0	0	0	0.077	0.903
CEL	PNP LA3	1855 614	1842 557	9606.E NSP00 000361 151	9606.ENS P0000021 6180	0	0	0	0	0	0	0.07	0.903
IDO1	DDC	1861 841	1853 612	9606.E NSP00 000430 505	9606.ENS P0000035 0616	0	0	0	0	0	0	0.07	0.903
ITK	FCE R1G	1860 098	1847 193	9606.E NSP00 000398 655	9606.ENS P0000028 9902	0	0	0	0	0	0	0.075	0.903

CD3 G	IL2R A	1861 876	1857 121	9606.E NSP00 000431 445	9606.ENS P0000036 9293	0	0	0	0	0	0	0.074	0.903
NPY 1R	PTG ER3	1854 180	1853 383	9606.E NSP00 000354 652	9606.ENS P0000034 9003	0	0	0	0	0	0	0.071	0.903
ENO 2	ALD OC	1843 192	1843 081	9606.E NSP00 000229 277	9606.ENS P0000022 6253	0	0	0	0	0.736	0	0.65	0.903
CXC R4	MTN R1A	1859 216	1848 453	9606.E NSP00 000386 884	9606.ENS P0000030 2811	0	0	0	0.645	0	0	0.139	0.903
NPY 1R	MTN R1A	1854 180	1848 453	9606.E NSP00 000354 652	9606.ENS P0000030 2811	0	0	0	0.712	0	0	0.141	0.903
MUC 1	ST6 GAL NAC 2	1854 790	1843 012	9606.E NSP00 000357 380	9606.ENS P0000022 5276	0	0	0	0	0	0	0.075	0.903

PTH LH	HRH 2	1858 343	1856 654	9606.E NSP00 000379 213	9606.ENS P0000036 6506	0	0	0	0	0	0	0.071	0.903
ERB B4	TGF A	1852 571	1847 571	9606.E NSP00 000342 235	9606.ENS P0000029 5400	0	0	0	0	0	0.812	0.504	0.903
PRF1	CD3 D	1849 900	1848 206	9606.E NSP00 000316 746	9606.ENS P0000030 0692	0	0	0	0	0.07	0	0	0.903
KIF1 8A	CEN PK	1845 299	1843 648	9606.E NSP00 000263 181	9606.ENS P0000024 2872	0	0	0	0	0.077	0	0.042	0.903
ENT PD1	PDE 1A	1855 432	1851 361	9606.E NSP00 000360 250	9606.ENS P0000033 1574	0	0	0	0	0	0	0.077	0.903
CXC L9	KNG 1	1854 250	1845 668	9606.E NSP00 000354 901	9606.ENS P0000026 5023	0	0	0	0	0	0	0.07	0.903

SKA 3	KIF1 8A	1850 147	1845 299	9606.E NSP00 000319 417	9606.ENS P0000026 3181	0	0	0	0	0.07	0	0	0.903
IL2R A	CD3 D	1857 121	1848 206	9606.E NSP00 000369 293	9606.ENS P0000030 0692	0	0	0	0	0	0	0.073	0.903
NPY 5R	CXC L13	1852 206	1847 033	9606.E NSP00 000339 377	9606.ENS P0000028 6758	0	0	0	0	0	0.075	0	0.903
MYC	CSF1 R	1856 789	1847 002	9606.E NSP00 000367 207	9606.ENS P0000028 6301	0	0	0	0	0	0	0.903	0.903
RGS 1	CXC L10	1854 596	1848 754	9606.E NSP00 000356 429	9606.ENS P0000030 5651	0	0	0	0	0	0	0.076	0.903
TGF BI	ITGB 2	1861 221	1848 511	9606.E NSP00 000416 330	9606.ENS P0000030 3242	0	0	0	0	0	0	0.077	0.903

ENP P3	NNT	1853 565	1845 588	9606.E NSP00 000350 265	9606.ENS P0000026 4663	0	0	0	0	0.071	0	0	0.903
CAS R	NPY 5R	1861 464	1852 206	9606.E NSP00 000420 194	9606.ENS P0000033 9377	0	0	0	0	0	0	0.063	0.902
CXC R4	C3	1859 216	1843 781	9606.E NSP00 000386 884	9606.ENS P0000024 5907	0	0	0	0	0	0	0.061	0.902
PLX ND1	PIP5 K1B	1849 931	1845 741	9606.E NSP00 000317 128	9606.ENS P0000026 5382	0	0	0	0	0	0	0.068	0.902
CXC R4	FPR3	1859 216	1852 509	9606.E NSP00 000386 884	9606.ENS P0000034 1821	0	0	0	0.783	0	0	0.16	0.902
PLK1	PRK AR2 B	1848 135	1845 791	9606.E NSP00 000300 093	9606.ENS P0000026 5717	0	0	0	0	0	0	0.062	0.902



PIK3 CG	FCE RIG	1853 801	1847 193	9606.E NSP00 000352 121	9606.ENS P0000028 9902	0	0	0	0	0	0	0.061	0.902
CDH 2	CDH 9	1846 066	1843 273	9606.E NSP00 000269 141	9606.ENS P0000023 1021	0	0	0	0.822	0	0	0.188	0.902
DYS F	ANO 5	1859 215	1849 779	9606.E NSP00 000386 881	9606.ENS P0000031 5371	0	0	0	0	0	0	0.902	0.902
SUC NR1	APL N	1854 311	1848 734	9606.E NSP00 000355 156	9606.ENS P0000030 5464	0	0	0	0	0	0	0.064	0.902
CXC R4	RGS 1	1859 216	1854 596	9606.E NSP00 000386 884	9606.ENS P0000035 6429	0	0	0	0	0	0	0.063	0.902
IKZF 3	IL2R B	1852 827	1842 567	9606.E NSP00 000344 544	9606.ENS P0000021 6223	0	0	0	0	0	0	0.061	0.902

PTG ER3	C3	1853 383	1843 781	9606.E NSP00 000349 003	9606.ENS P0000024 5907	0	0	0	0	0	0	0.062	0.902
CDH 3	CDH 9	1845 457	1843 273	9606.E NSP00 000264 012	9606.ENS P0000023 1021	0	0	0	0.786	0	0	0.143	0.902
MYC	WT1	1856 789	1851 331	9606.E NSP00 000367 207	9606.ENS P0000033 1327	0	0	0	0	0	0	0.902	0.902
CXC L9	C3A R1	1854 250	1848 367	9606.E NSP00 000354 901	9606.ENS P0000030 2079	0	0	0	0	0	0	0.067	0.902
CAS R	QRF PR	1861 464	1858 197	9606.E NSP00 000420 194	9606.ENS P0000037 7948	0	0	0	0	0	0	0.063	0.902
HRH 2	PTH 1R	1856 654	1850 409	9606.E NSP00 000366 506	9606.ENS P0000032 1999	0	0	0	0	0	0	0.067	0.902

RGS 1	MTN RIA	1854 596	1848 453	9606.E NSP00 000356 429	9606.ENS P0000030 2811	0	0	0	0	0	0	0.064	0.902
SLA	HCK	1859 768	1856 392	9606.E NSP00 000394 049	9606.ENS P0000036 5012	0	0	0	0.788	0	0	0.171	0.902
CAS R	CXC L11	1861 464	1848 890	9606.E NSP00 000420 194	9606.ENS P0000030 6884	0	0	0	0	0	0	0.062	0.902
MYC	PRD M1	1856 789	1854 949	9606.E NSP00 000367 207	9606.ENS P0000035 8092	0	0	0	0	0	0	0.902	0.902
CAS R	NPY IR	1861 464	1854 180	9606.E NSP00 000420 194	9606.ENS P0000035 4652	0	0	0	0	0	0	0.063	0.902
GPR 65	KNG 1	1845 954	1845 668	9606.E NSP00 000267 549	9606.ENS P0000026 5023	0	0	0	0	0	0	0.062	0.902

PLA2 G4F	CYP 2J2	1857 523	1855 431	9606.E NSP00 000371 833	9606.ENS P0000036 0247	0	0	0	0	0	0	0.066	0.902
CXC L11	OXG R1	1848 890	1847 962	9606.E NSP00 000306 884	9606.ENS P0000029 8440	0	0	0	0	0	0	0.068	0.902
ALO X5	PTG S2	1856 107	1854 602	9606.E NSP00 000363 512	9606.ENS P0000035 6438	0	0	0	0	0	0	0.901	0.902
SHM T2	PIPO X	1851 612	1849 980	9606.E NSP00 000333 667	9606.ENS P0000031 7721	0	0	0	0	0	0	0.068	0.902
NPY 5R	MTN R1A	1852 206	1848 453	9606.E NSP00 000339 377	9606.ENS P0000030 2811	0	0	0	0.637	0	0	0.102	0.902
ENT PD1	ADS SL1	1855 432	1851 543	9606.E NSP00 000360 250	9606.ENS P0000033 3019	0	0	0	0	0	0	0.066	0.902

CD3 G	FYB	1861 876	1861 668	9606.E NSP00 000431 445	9606.ENS P0000042 5845	0	0	0	0	0	0	0.055	0.901
CXC L10	KNG 1	1848 754	1845 668	9606.E NSP00 000305 651	9606.ENS P0000026 5023	0	0	0	0	0	0	0.057	0.901
ESR RG	ESR RB	1859 115	1857 301	9606.E NSP00 000386 171	9606.ENS P0000037 0270	0	0	0	0.98	0	0	0.725	0.901
CD3 G	RGS 1	1861 876	1854 596	9606.E NSP00 000431 445	9606.ENS P0000035 6429	0	0	0	0	0	0	0.053	0.901
APL N	OXG R1	1848 734	1847 962	9606.E NSP00 000305 464	9606.ENS P0000029 8440	0	0	0	0	0	0	0.055	0.901
CYP 4F2	CYP 4F3	1842 855	1842 824	9606.E NSP00 000221 700	9606.ENS P0000022 1307	0	0	0.527	0.987	0	0	0.752	0.901

NPY 5R	C3A R1	1852 206	1848 367	9606.E NSP00 000339 377	9606.ENS P0000030 2079	0	0	0	0.62	0	0	0.069	0.901
FPR3	C3	1852 509	1843 781	9606.E NSP00 000341 821	9606.ENS P0000024 5907	0	0	0	0	0	0	0.051	0.901
FN1	EGF	1853 098	1845 705	9606.E NSP00 000346 839	9606.ENS P0000026 5171	0	0	0	0	0	0	0.059	0.901
RGS 1	PTG ER3	1854 596	1853 383	9606.E NSP00 000356 429	9606.ENS P0000034 9003	0	0	0	0	0	0	0.052	0.901
ABC A1	SCA RB1	1856 172	1844 967	9606.E NSP00 000363 868	9606.ENS P0000026 1693	0	0	0	0	0	0	0.901	0.901
CD86	PRF1	1851 423	1849 900	9606.E NSP00 000332 049	9606.ENS P0000031 6746	0	0	0	0	0	0	0.053	0.901

INPP 5J	IPM K	1858 952	1856 018	9606.E NSP00 000384 534	9606.ENS P0000036 3046	0	0	0	0	0	0	0.056	0.901
SUC NR1	CXC L9	1854 311	1854 250	9606.E NSP00 000355 156	9606.ENS P0000035 4901	0	0	0	0	0	0	0.053	0.901
COL 4A1	ENP P1	1856 385	1854 095	9606.E NSP00 000364 979	9606.ENS P0000035 4238	0	0	0	0	0	0	0.053	0.901
CTH	SDS	1855 373	1844 513	9606.E NSP00 000359 976	9606.ENS P0000025 7549	0	0	0	0	0	0	0.525	0.901
PRO S1	EGF	1858 171	1845 705	9606.E NSP00 000377 783	9606.ENS P0000026 5171	0	0	0	0.618	0	0	0.077	0.901
HCK	TDG F1	1856 392	1847 689	9606.E NSP00 000365 012	9606.ENS P0000029 6145	0	0	0	0	0	0	0.055	0.901

HRG	PLA T	1843 307	1842 802	9606.E NSP00 000232 003	9606.ENS P0000022 0809	0	0	0	0	0	0	0.054	0.901
RGS 1	CD3 D	1854 596	1848 206	9606.E NSP00 000356 429	9606.ENS P0000030 0692	0	0	0	0	0	0	0.053	0.901
OAS 2	ICA M1	1852 576	1845 628	9606.E NSP00 000342 278	9606.ENS P0000026 4832	0	0	0	0	0	0	0.053	0.901
CXC R4	C3A R1	1859 216	1848 367	9606.E NSP00 000386 884	9606.ENS P0000030 2079	0	0	0	0.669	0	0	0.081	0.901
INPP 5D	FCE R1G	1853 868	1847 193	9606.E NSP00 000352 575	9606.ENS P0000028 9902	0	0	0	0	0	0	0.059	0.901
APB B1IP	FN1	1856 462	1853 098	9606.E NSP00 000365 411	9606.ENS P0000034 6839	0	0	0	0	0	0	0.057	0.901



CAS R	RGS 1	1861 464	1854 596	9606.E NSP00 000420 194	9606.ENS P0000035 6429	0	0	0	0	0	0	0	0.9
CD3 G	FCG R2A	1861 876	1846 197	9606.E NSP00 000431 445	9606.ENS P0000027 1450	0	0	0	0	0	0	0	0.9
CD3 D	PAG 1	1848 206	1842 793	9606.E NSP00 000300 692	9606.ENS P0000022 0597	0	0	0	0	0	0	0	0.9
MTN R1A	CXC L13	1848 453	1847 033	9606.E NSP00 000302 811	9606.ENS P0000028 6758	0	0	0	0	0	0	0	0.9
OXG R1	CXC L13	1847 962	1847 033	9606.E NSP00 000298 440	9606.ENS P0000028 6758	0	0	0	0	0	0	0	0.9
IL2R A	NMI	1857 121	1843 666	9606.E NSP00 000369 293	9606.ENS P0000024 3346	0	0	0	0	0	0	0	0.9

MTN RIA	C3	1848 453	1843 781	9606.E NSP00 000302 811	9606.ENS P0000024 5907	0	0	0	0	0	0	0	0.9
NPY 1R	C3	1854 180	1843 781	9606.E NSP00 000354 652	9606.ENS P0000024 5907	0	0	0	0	0	0	0	0.9
CXC L11	MTN RIA	1848 890	1848 453	9606.E NSP00 000306 884	9606.ENS P0000030 2811	0	0	0	0	0	0	0	0.9
FPR3	NPY 5R	1852 509	1852 206	9606.E NSP00 000341 821	9606.ENS P0000033 9377	0	0	0	0	0	0	0	0.9
ELM O1	FCG R2A	1849 503	1846 197	9606.E NSP00 000312 185	9606.ENS P0000027 1450	0	0	0	0	0	0	0	0.9
APL N	CXC L13	1848 734	1847 033	9606.E NSP00 000305 464	9606.ENS P0000028 6758	0	0	0	0	0	0	0	0.9

HIST 1H2B M	HIST 1H2 BH	1853 848	1853 333	9606.E NSP00 000352 442	9606.ENS P0000034 8706	0	0	0	0.988	0	0	0.357	0.9
CXC R4	OXC R1	1859 216	1847 962	9606.E NSP00 000386 884	9606.ENS P0000029 8440	0	0	0	0.759	0	0	0	0.9
EGF	KNG 1	1845 705	1845 668	9606.E NSP00 000265 171	9606.ENS P0000026 5023	0	0	0	0	0	0	0	0.9
NPY 5R	CCL 5	1852 206	1847 396	9606.E NSP00 000339 377	9606.ENS P0000029 3272	0	0	0	0	0	0	0	0.9
CCL 20	KNG 1	1853 751	1845 668	9606.E NSP00 000351 671	9606.ENS P0000026 5023	0	0	0	0	0	0	0	0.9
LPC AT1	PLA 2G7	1846 853	1846 414	9606.E NSP00 000283 415	9606.ENS P0000027 4793	0	0	0	0	0	0	0	0.9

PTPR O	KITL G	1846 712	1843 134	9606.E NSP00 000281 171	9606.ENS P0000022 8280	0	0	0	0	0	0	0	0.9
PLA U	HRG	1855 748	1843 307	9606.E NSP00 000361 850	9606.ENS P0000023 2003	0	0	0	0	0	0	0.044	0.9
SH3 GL2	EGF	1857 254	1845 705	9606.E NSP00 000369 981	9606.ENS P0000026 5171	0	0	0	0	0	0	0	0.9
PLG	EGF	1849 130	1845 705	9606.E NSP00 000308 938	9606.ENS P0000026 5171	0	0	0	0	0	0	0.041	0.9
VEG FA	EGF	1855 611	1845 705	9606.E NSP00 000361 125	9606.ENS P0000026 5171	0	0	0	0	0	0	0.042	0.9
NPY 5R	CXC L11	1852 206	1848 890	9606.E NSP00 000339 377	9606.ENS P0000030 6884	0	0	0	0	0	0	0	0.9

SUC NR1	FPR3	1854 311	1852 509	9606.E NSP00 000355 156	9606.ENS P0000034 1821	0	0	0	0.684	0	0	0	0.9
C3A R1	OXG R1	1848 367	1847 962	9606.E NSP00 000302 079	9606.ENS P0000029 8440	0	0	0	0.662	0	0	0	0.9
CAS R	FPR3	1861 464	1852 509	9606.E NSP00 000420 194	9606.ENS P0000034 1821	0	0	0	0	0	0	0	0.9
CAS R	CXC L10	1861 464	1848 754	9606.E NSP00 000420 194	9606.ENS P0000030 5651	0	0	0	0	0	0	0.046	0.9
CXC L13	C3	1847 033	1843 781	9606.E NSP00 000286 758	9606.ENS P0000024 5907	0	0	0	0	0	0	0	0.9
IRF6	OAS 2	1854 497	1852 576	9606.E NSP00 000355 988	9606.ENS P0000034 2278	0	0	0	0	0	0	0	0.9

MUC 15	ST6 GAL NAC 2	1861 245	1843 012	9606.E NSP00 000416 753	9606.ENS P0000022 5276	0	0	0	0	0	0	0	0.9
GIT2	LAM C2	1853 175	1845 485	9606.E NSP00 000347 464	9606.ENS P0000026 4144	0	0	0	0	0	0	0	0.9
ITK	CD3 E	1860 098	1854 149	9606.E NSP00 000398 655	9606.ENS P0000035 4566	0	0	0	0	0	0	0.047	0.9
FPR3	CXC L10	1852 509	1848 754	9606.E NSP00 000341 821	9606.ENS P0000030 5651	0	0	0	0	0	0	0	0.9
FPR3	APL N	1852 509	1848 734	9606.E NSP00 000341 821	9606.ENS P0000030 5464	0	0	0	0	0	0	0	0.9
CCL 20	OXC R1	1853 751	1847 962	9606.E NSP00 000351 671	9606.ENS P0000029 8440	0	0	0	0	0	0	0	0.9

ENT PD1	PDE 7B	1855 432	1849 328	9606.E NSP00 000360 250	9606.ENS P0000031 0661	0	0	0	0	0	0	0	0.9
CXC L9	NPY 5R	1854 250	1852 206	9606.E NSP00 000354 901	9606.ENS P0000033 9377	0	0	0	0	0	0	0	0.9
CXC L10	OXG R1	1848 754	1847 962	9606.E NSP00 000305 651	9606.ENS P0000029 8440	0	0	0	0	0	0	0	0.9
CD2	PRK AR2 B	1855 033	1845 791	9606.E NSP00 000358 490	9606.ENS P0000026 5717	0	0	0	0	0	0	0	0.9
DGK D	PNP LA3	1845 472	1842 557	9606.E NSP00 000264 057	9606.ENS P0000021 6180	0	0	0	0	0	0	0	0.9
APL N	C3A R1	1848 734	1848 367	9606.E NSP00 000305 464	9606.ENS P0000030 2079	0	0	0	0	0	0	0	0.9

MTN RIA	C3A R1	1848 453	1848 367	9606.E NSP00 000302 811	9606.ENS P0000030 2079	0	0	0	0.632	0	0	0	0.9
CD3 E	PAG 1	1854 149	1842 793	9606.E NSP00 000354 566	9606.ENS P0000022 0597	0	0	0	0	0	0	0	0.9
NPY 5R	KNG 1	1852 206	1845 668	9606.E NSP00 000339 377	9606.ENS P0000026 5023	0	0	0	0	0	0	0	0.9
RGS 1	NPY 1R	1854 596	1854 180	9606.E NSP00 000356 429	9606.ENS P0000035 4652	0	0	0	0	0	0	0	0.9
FPR3	CXC L11	1852 509	1848 890	9606.E NSP00 000341 821	9606.ENS P0000030 6884	0	0	0	0	0	0	0	0.9
MTN RIA	CCL 5	1848 453	1847 396	9606.E NSP00 000302 811	9606.ENS P0000029 3272	0	0	0	0	0	0	0	0.9



CAV 1	EGF	1852 186	1845 705	9606.E NSP00 000339 191	9606.ENS P0000026 5171	0	0	0	0	0	0	0	0.9
KIF2 A	CEN PK	1859 005	1843 648	9606.E NSP00 000385 000	9606.ENS P0000024 2872	0	0	0	0	0	0	0	0.9
FAS	NMI	1853 242	1843 666	9606.E NSP00 000347 979	9606.ENS P0000024 3346	0	0	0	0	0	0	0	0.9
OXG R1	CCL 5	1847 962	1847 396	9606.E NSP00 000298 440	9606.ENS P0000029 3272	0	0	0	0	0	0	0	0.9
SUC NR1	CXC L13	1854 311	1847 033	9606.E NSP00 000355 156	9606.ENS P0000028 6758	0	0	0	0	0	0	0	0.9
NPY 1R	C3A R1	1854 180	1848 367	9606.E NSP00 000354 652	9606.ENS P0000030 2079	0	0	0	0.631	0	0	0.042	0.9

CAS R	CCL 5	1861 464	1847 396	9606.E NSP00 000420 194	9606.ENS P0000029 3272	0	0	0	0	0	0	0.041	0.9
PDG FD	PLA U	1858 075	1855 748	9606.E NSP00 000376 865	9606.ENS P0000036 1850	0	0	0	0	0	0	0.042	0.9
INPP 5D	TRA T1	1853 868	1847 619	9606.E NSP00 000352 575	9606.ENS P0000029 5756	0	0	0	0	0	0	0.041	0.9
ITGA 4	TGM 2	1858 446	1854 355	9606.E NSP00 000380 227	9606.ENS P0000035 5330	0	0	0	0	0	0	0.046	0.9
SUC NR1	NPY IR	1854 311	1854 180	9606.E NSP00 000355 156	9606.ENS P0000035 4652	0	0	0	0.659	0	0	0	0.9
RGS 1	OXG R1	1854 596	1847 962	9606.E NSP00 000356 429	9606.ENS P0000029 8440	0	0	0	0	0	0	0	0.9

SUC NR1	NPY 5R	1854 311	1852 206	9606.E NSP00 000355 156	9606.ENS P0000033 9377	0	0	0	0	0	0	0	0.9
CAS R	CCL 20	1861 464	1853 751	9606.E NSP00 000420 194	9606.ENS P0000035 1671	0	0	0	0	0	0	0	0.9
KLH L13	KLH L3	1862 244	1849 529	9606.E NSP00 000443 191	9606.ENS P0000031 2397	0	0	0	0.807	0	0	0.047	0.9
CEL	DGK D	1855 614	1845 472	9606.E NSP00 000361 151	9606.ENS P0000026 4057	0	0	0	0	0	0	0	0.9
NPY 1R	OXG R1	1854 180	1847 962	9606.E NSP00 000354 652	9606.ENS P0000029 8440	0	0	0	0.662	0	0	0	0.9
CXC L9	MTN R1A	1854 250	1848 453	9606.E NSP00 000354 901	9606.ENS P0000030 2811	0	0	0	0	0	0	0	0.9

RGS 1	SUC NR1	1854 596	1854 311	9606.E NSP00 000356 429	9606.ENS P0000035 5156	0	0	0	0	0	0	0	0.9
PLA2 G4F	PLA 2G7	1857 523	1846 414	9606.E NSP00 000371 833	9606.ENS P0000027 4793	0	0	0	0	0	0	0	0.9
CCL 20	APL N	1853 751	1848 734	9606.E NSP00 000351 671	9606.ENS P0000030 5464	0	0	0	0	0	0	0	0.9
FPR3	KNG 1	1852 509	1845 668	9606.E NSP00 000341 821	9606.ENS P0000026 5023	0	0	0	0	0	0	0.047	0.9
ITGA 4	CSP G4	1858 446	1849 543	9606.E NSP00 000380 227	9606.ENS P0000031 2506	0	0	0	0	0	0	0	0.9
FYB	CD3 D	1861 668	1848 206	9606.E NSP00 000425 845	9606.ENS P0000030 0692	0	0	0	0	0	0	0	0.9

NPY 1R	CCL 20	1854 180	1853 751	9606.E NSP00 000354 652	9606.ENS P0000035 1671	0	0	0	0	0	0	0	0.9
PTG ER3	OXG R1	1853 383	1847 962	9606.E NSP00 000349 003	9606.ENS P0000029 8440	0	0	0	0	0	0	0	0.9
SUC NR1	CCL 20	1854 311	1853 751	9606.E NSP00 000355 156	9606.ENS P0000035 1671	0	0	0	0	0	0	0	0.9
MAP K10	SOR T1	1853 804	1844 454	9606.E NSP00 000352 157	9606.ENS P0000025 6637	0	0	0	0	0	0	0	0.9
MTN R1A	KNG 1	1848 453	1845 668	9606.E NSP00 000302 811	9606.ENS P0000026 5023	0	0	0	0	0	0	0	0.9
RGS 1	APL N	1854 596	1848 734	9606.E NSP00 000356 429	9606.ENS P0000030 5464	0	0	0	0	0	0	0	0.9

EGF	VWF	1845 705	1844 904	9606.E NSP00 000265 171	9606.ENS P0000026 1405	0	0	0	0	0	0	0	0.9
CD3 G	PAG 1	1861 876	1842 793	9606.E NSP00 000431 445	9606.ENS P0000022 0597	0	0	0	0	0	0	0	0.9
CYFI P2	FCG R2A	1850 773	1846 197	9606.E NSP00 000325 817	9606.ENS P0000027 1450	0	0	0	0	0	0	0	0.9
ITGB 2	PLA T	1848 511	1842 802	9606.E NSP00 000303 242	9606.ENS P0000022 0809	0	0	0	0	0	0	0	0.9
RGS 1	NPY 5R	1854 596	1852 206	9606.E NSP00 000356 429	9606.ENS P0000033 9377	0	0	0	0	0	0	0	0.9
IL2R A	IKZF 3	1857 121	1852 827	9606.E NSP00 000369 293	9606.ENS P0000034 4544	0	0	0	0	0	0	0	0.9

CCL 5	C3	1847 396	1843 781	9606.E NSP00 000293 272	9606.ENS P0000024 5907	0	0	0	0	0	0	0.047	0.9
MBO AT2	DGK D	1848 380	1845 472	9606.E NSP00 000302 177	9606.ENS P0000026 4057	0	0	0	0	0	0	0	0.9
CCL 20	MTN R1A	1853 751	1848 453	9606.E NSP00 000351 671	9606.ENS P0000030 2811	0	0	0	0	0	0	0	0.9
CXC L10	MTN R1A	1848 754	1848 453	9606.E NSP00 000305 651	9606.ENS P0000030 2811	0	0	0	0	0	0	0	0.9
PTG ER3	NPY 5R	1853 383	1852 206	9606.E NSP00 000349 003	9606.ENS P0000033 9377	0	0	0	0	0	0	0	0.9
PLC D4	DGK D	1859 361	1845 472	9606.E NSP00 000388 631	9606.ENS P0000026 4057	0	0	0	0	0	0	0	0.9

NPY 1R	FPR3	1854 180	1852 509	9606.E NSP00 000354 652	9606.ENS P0000034 1821	0	0	0	0.673	0	0	0.058	0.9
CXC L10	APL N	1848 754	1848 734	9606.E NSP00 000305 651	9606.ENS P0000030 5464	0	0	0	0	0	0	0	0.9
DCX R	SCT R	1848 521	1842 186	9606.E NSP00 000303 356	9606.ENS P0000001 9103	0	0	0	0	0	0	0	0.9
CXC L9	OXG R1	1854 250	1847 962	9606.E NSP00 000354 901	9606.ENS P0000029 8440	0	0	0	0	0	0	0	0.9
APL N	MTN R1A	1848 734	1848 453	9606.E NSP00 000305 464	9606.ENS P0000030 2811	0	0	0	0	0	0	0	0.9
APL N	C3	1848 734	1843 781	9606.E NSP00 000305 464	9606.ENS P0000024 5907	0	0	0	0	0	0	0	0.9



CCL 20	FPR3	1853 751	1852 509	9606.E NSP00 000351 671	9606.ENS P0000034 1821	0	0	0	0	0	0	0.046	0.9
MLF 1IP	KIF1 8A	1846 726	1845 299	9606.E NSP00 000281 453	9606.ENS P0000026 3181	0	0	0	0	0	0	0	0.9
NMI	CCN D1	1843 666	1843 117	9606.E NSP00 000243 346	9606.ENS P0000022 7507	0	0	0	0	0	0	0	0.9
RGS 1	CD3 E	1854 596	1854 149	9606.E NSP00 000356 429	9606.ENS P0000035 4566	0	0	0	0	0	0	0	0.9
NPY 1R	CXC L11	1854 180	1848 890	9606.E NSP00 000354 652	9606.ENS P0000030 6884	0	0	0	0	0	0	0	0.9
SUC NR1	C3A R1	1854 311	1848 367	9606.E NSP00 000355 156	9606.ENS P0000030 2079	0	0	0	0.633	0	0	0	0.9

GGT 6	GST M3	1863 209	1844 453	9606.E NSP00 000458 307	9606.ENS P0000025 6594	0	0	0	0	0	0	0	0.9
PTG ER3	FPR3	1853 383	1852 509	9606.E NSP00 000349 003	9606.ENS P0000034 1821	0	0	0	0	0	0	0.041	0.9
SH3 GL2	RPS6 KA6	1857 254	1845 209	9606.E NSP00 000369 981	9606.ENS P0000026 2752	0	0	0	0	0	0	0	0.9
MUC 15	GAL NT3	1861 245	1858 036	9606.E NSP00 000416 753	9606.ENS P0000037 6465	0	0	0	0	0	0	0	0.9
CXC L11	APL N	1848 890	1848 734	9606.E NSP00 000306 884	9606.ENS P0000030 5464	0	0	0	0	0	0	0	0.9
CXC R4	SUC NR1	1859 216	1854 311	9606.E NSP00 000386 884	9606.ENS P0000035 5156	0	0	0	0.69	0	0	0	0.9

CXC L9	APL N	1854 250	1848 734	9606.E NSP00 000354 901	9606.ENS P0000030 5464	0	0	0	0	0	0	0	0.9
PLA2 G4F	ENP P6	1857 523	1847 782	9606.E NSP00 000371 833	9606.ENS P0000029 6741	0	0	0	0	0	0	0	0.9
FPR3	MTN R1A	1852 509	1848 453	9606.E NSP00 000341 821	9606.ENS P0000030 2811	0	0	0	0.645	0	0	0	0.9
APL N	CCL 5	1848 734	1847 396	9606.E NSP00 000305 464	9606.ENS P0000029 3272	0	0	0	0	0	0	0.047	0.9
CXC L11	C3A R1	1848 890	1848 367	9606.E NSP00 000306 884	9606.ENS P0000030 2079	0	0	0	0	0	0	0.045	0.9
CXC R4	APL N	1859 216	1848 734	9606.E NSP00 000386 884	9606.ENS P0000030 5464	0	0	0	0	0	0	0	0.9

EGF	PAG 1	1845 705	1842 793	9606.E NSP00 000265 171	9606.ENS P0000022 0597	0	0	0	0	0	0	0	0.9
SUC NR1	MTN R1A	1854 311	1848 453	9606.E NSP00 000355 156	9606.ENS P0000030 2811	0	0	0	0.657	0	0	0	0.9
NPY 5R	C3	1852 206	1843 781	9606.E NSP00 000339 377	9606.ENS P0000024 5907	0	0	0	0	0	0	0	0.9
OR51 E1	OR2 T11	1858 437	1851 091	9606.E NSP00 000380 155	9606.ENS P0000032 8934	0	0	0	0.782	0	0	0	0.9
SUC NR1	CCL 5	1854 311	1847 396	9606.E NSP00 000355 156	9606.ENS P0000029 3272	0	0	0	0	0	0	0	0.9
SUC NR1	CXC L10	1854 311	1848 754	9606.E NSP00 000355 156	9606.ENS P0000030 5651	0	0	0	0	0	0	0.046	0.9

CXC L9	PTG ER3	1854 250	1853 383	9606.E NSP00 000354 901	9606.ENS P0000034 9003	0	0	0	0	0	0	0	0.9
MUC 15	GCN T4	1861 245	1849 926	9606.E NSP00 000416 753	9606.ENS P0000031 7027	0	0	0	0	0	0	0	0.9
PLA2 G4F	CYP 2B6	1857 523	1850 664	9606.E NSP00 000371 833	9606.ENS P0000032 4648	0	0	0	0	0	0	0	0.9
QRF PR	GPR 65	1858 197	1845 954	9606.E NSP00 000377 948	9606.ENS P0000026 7549	0	0	0	0.651	0	0	0	0.9
FPR3	OXG R1	1852 509	1847 962	9606.E NSP00 000341 821	9606.ENS P0000029 8440	0	0	0	0.676	0	0	0	0.9
AGM AT	SAT 2	1856 387	1846 081	9606.E NSP00 000364 986	9606.ENS P0000026 9298	0	0	0	0	0	0	0	0.9

CXC L11	C3	1848 890	1843 781	9606.E NSP00 000306 884	9606.ENS P0000024 5907	0	0	0	0	0	0	0	0.9
FPR3	CCL 5	1852 509	1847 396	9606.E NSP00 000341 821	9606.ENS P0000029 3272	0	0	0	0	0	0	0	0.9
CAS R	C3A R1	1861 464	1848 367	9606.E NSP00 000420 194	9606.ENS P0000030 2079	0	0	0	0	0	0	0	0.9
OXG R1	C3	1847 962	1843 781	9606.E NSP00 000298 440	9606.ENS P0000024 5907	0	0	0	0	0	0	0	0.9
MTN R1A	OXG R1	1848 453	1847 962	9606.E NSP00 000302 811	9606.ENS P0000029 8440	0	0	0	0.63	0	0	0	0.9
CCL 20	C3	1853 751	1843 781	9606.E NSP00 000351 671	9606.ENS P0000024 5907	0	0	0	0	0	0	0	0.9

CYFI P2	ELM O1	1850 773	1849 503	9606.E NSP00 000325 817	9606.ENS P0000031 2185	0	0	0	0	0	0	0	0.9
NPY 1R	CXC L10	1854 180	1848 754	9606.E NSP00 000354 652	9606.ENS P0000030 5651	0	0	0	0	0	0	0	0.9
CAS R	CXC L9	1861 464	1854 250	9606.E NSP00 000420 194	9606.ENS P0000035 4901	0	0	0	0	0	0	0	0.9
C3A R1	CXC L13	1848 367	1847 033	9606.E NSP00 000302 079	9606.ENS P0000028 6758	0	0	0	0	0	0	0	0.9
EGF	HRG	1845 705	1843 307	9606.E NSP00 000265 171	9606.ENS P0000023 2003	0	0	0	0	0	0	0	0.9
NPY 5R	CXC L10	1852 206	1848 754	9606.E NSP00 000339 377	9606.ENS P0000030 5651	0	0	0	0	0	0	0	0.9

SUC NR1	PTG ER3	1854 311	1853 383	9606.E NSP00 000355 156	9606.ENS P0000034 9003	0	0	0	0	0	0	0	0.9
CCL 20	C3A R1	1853 751	1848 367	9606.E NSP00 000351 671	9606.ENS P0000030 2079	0	0	0	0	0	0	0	0.9
CXC L9	NPY 1R	1854 250	1854 180	9606.E NSP00 000354 901	9606.ENS P0000035 4652	0	0	0	0	0	0	0	0.9
CXC R4	PTG ER3	1859 216	1853 383	9606.E NSP00 000386 884	9606.ENS P0000034 9003	0	0	0	0	0	0	0	0.9
QRF PR	KNG 1	1858 197	1845 668	9606.E NSP00 000377 948	9606.ENS P0000026 5023	0	0	0	0	0	0	0	0.9
NPY 5R	OXG R1	1852 206	1847 962	9606.E NSP00 000339 377	9606.ENS P0000029 8440	0	0	0	0.629	0	0	0	0.9



SUC NR1	C3	1854 311	1843 781	9606.E NSP00 000355 156	9606.ENS P0000024 5907	0	0	0	0	0	0	0	0.9
CHS T15	CSP G4	1851 650	1849 543	9606.E NSP00 000333 947	9606.ENS P0000031 2506	0	0	0	0	0	0	0	0.9
ABLI M3	NCK 1	1849 284	1847 149	9606.E NSP00 000310 309	9606.ENS P0000028 8986	0	0	0	0	0	0	0	0.9
PRO DH2	P4H A1	1848 253	1845 365	9606.E NSP00 000301 175	9606.ENS P0000026 3556	0	0	0	0	0	0	0	0.9
CCL 20	NPY 5R	1853 751	1852 206	9606.E NSP00 000351 671	9606.ENS P0000033 9377	0	0	0	0	0	0	0	0.9
EGF	TGF B1	1845 705	1842 869	9606.E NSP00 000265 171	9606.ENS P0000022 1930	0	0	0	0	0	0	0.041	0.9

NPY 5R	APL N	1852 206	1848 734	9606.E NSP00 000339 377	9606.ENS P0000030 5464	0	0	0	0	0	0	0	0.9
RGS 1	CXC L9	1854 596	1854 250	9606.E NSP00 000356 429	9606.ENS P0000035 4901	0	0	0	0	0	0	0	0.9
STA P1	KITL G	1845 746	1843 134	9606.E NSP00 000265 404	9606.ENS P0000022 8280	0	0	0	0	0	0	0	0.9
HRH 2	ADM	1856 654	1846 549	9606.E NSP00 000366 506	9606.ENS P0000027 8175	0	0	0	0	0	0	0	0.9
NMI	IL2R B	1843 666	1842 567	9606.E NSP00 000243 346	9606.ENS P0000021 6223	0	0	0	0	0	0	0	0.9
ENT PD1	GMP R	1855 432	1844 718	9606.E NSP00 000360 250	9606.ENS P0000025 9727	0	0	0	0	0	0	0	0.9

HCK	TRP V6	1856 392	1853 837	9606.E NSP00 000365 012	9606.ENS P0000035 2358	0	0	0	0	0	0	0	0.9
CXC L9	FPR3	1854 250	1852 509	9606.E NSP00 000354 901	9606.ENS P0000034 1821	0	0	0	0	0	0	0	0.9
CXC L13	KNG 1	1847 033	1845 668	9606.E NSP00 000286 758	9606.ENS P0000026 5023	0	0	0	0	0	0	0	0.9
GBP 2	IRF6	1855 261	1854 497	9606.E NSP00 000359 497	9606.ENS P0000035 5988	0	0	0	0	0	0	0	0.9
PLA2 G4F	LPC AT1	1857 523	1846 853	9606.E NSP00 000371 833	9606.ENS P0000028 3415	0	0	0	0	0	0	0	0.9
VEG FA	ADM	1855 611	1846 549	9606.E NSP00 000361 125	9606.ENS P0000027 8175	0	0	0	0	0	0	0.899	0.899

BTK	BLN K	1849 039	1842 996	9606.E NSP00 000308 176	9606.ENS P0000022 4337	0	0	0	0	0.071	0.576	0.766	0.899
CAS R	AQP 2	1861 464	1842 380	9606.E NSP00 000420 194	9606.ENS P0000019 9280	0	0	0	0	0	0	0.898	0.898
FGF R2	FGF1 1	1860 837	1847 442	9606.E NSP00 000410 294	9606.ENS P0000029 3829	0	0	0	0	0	0	0.511	0.898
MMP 1	ERB B2	1850 481	1846 101	9606.E NSP00 000322 788	9606.ENS P0000026 9571	0	0	0	0	0	0	0.898	0.898
MMP 1	ANG PTL4	1850 481	1848 295	9606.E NSP00 000322 788	9606.ENS P0000030 1455	0	0	0	0	0	0	0.898	0.898
BMP 7	PRD M16	1858 342	1846 173	9606.E NSP00 000379 204	9606.ENS P0000027 0722	0	0	0	0	0	0	0.898	0.898

CEP5 5	FOX M1	1855 493	1852 579	9606.E NSP00 000360 540	9606.ENS P0000034 2307	0	0	0	0	0.112	0	0.889	0.897
PRO M1	MYC	1861 160	1856 789	9606.E NSP00 000415 481	9606.ENS P0000036 7207	0	0	0	0	0	0	0.897	0.897
CA9	EGF R	1856 855	1846 445	9606.E NSP00 000367 608	9606.ENS P0000027 5493	0	0	0	0	0	0	0.897	0.897
CCN D1	SFRP 1	1843 117	1842 801	9606.E NSP00 000227 507	9606.ENS P0000022 0772	0	0	0	0	0	0	0.897	0.897
FGF1	KIT	1852 115	1847 112	9606.E NSP00 000338 548	9606.ENS P0000028 8135	0	0	0	0	0	0	0.51	0.897
HAU S6	PLK 1	1857 235	1848 135	9606.E NSP00 000369 871	9606.ENS P0000030 0093	0	0	0	0	0.114	0	0.889	0.897

CDH 2	TGF B1	1846 066	1842 869	9606.E NSP00 000269 141	9606.ENS P0000022 1930	0	0	0	0	0	0	0.897	0.897
FHIT	CCN D1	1852 550	1843 117	9606.E NSP00 000342 087	9606.ENS P0000022 7507	0	0	0	0	0	0	0.897	0.897
FGF R2	VEG FA	1860 837	1855 611	9606.E NSP00 000410 294	9606.ENS P0000036 1125	0	0	0	0	0	0	0.506	0.896
IGFB P3	TGF B1	1857 331	1842 869	9606.E NSP00 000370 473	9606.ENS P0000022 1930	0	0	0	0	0	0	0.896	0.896
TOP2 A	SMC 4	1860 923	1852 454	9606.E NSP00 000411 532	9606.ENS P0000034 1382	0	0	0	0	0.273	0.663	0.609	0.896
VEG FA	CSF1 R	1855 611	1847 002	9606.E NSP00 000361 125	9606.ENS P0000028 6301	0	0	0	0	0	0	0.503	0.896

WT1	EGF R	1851 331	1846 445	9606.E NSP00 000331 327	9606.ENS P0000027 5493	0	0	0	0	0	0	0.896	0.896
EIF4 EBP1	BTK	1852 358	1849 039	9606.E NSP00 000340 691	9606.ENS P0000030 8176	0	0	0	0	0	0	0.896	0.896
PDZ D3	SLC9 A3	1853 209	1845 649	9606.E NSP00 000347 742	9606.ENS P0000026 4938	0	0	0	0	0	0	0.896	0.896
ITK	GAT A3	1860 098	1857 010	9606.E NSP00 000398 655	9606.ENS P0000036 8632	0	0	0	0	0	0.074	0.892	0.896
PBX 1	HOX B3	1860 561	1849 046	9606.E NSP00 000405 890	9606.ENS P0000030 8252	0	0	0	0	0	0.149	0.882	0.896
KDR	KITL G	1845 437	1843 134	9606.E NSP00 000263 923	9606.ENS P0000022 8280	0	0	0	0	0	0	0.502	0.896

ANG PT2	ICA M1	1849 738	1845 628	9606.E NSP00 000314 897	9606.ENS P0000026 4832	0	0	0	0	0	0	0.896	0.896
RAP GEF3	AQP 2	1857 808	1842 380	9606.E NSP00 000373 864	9606.ENS P0000019 9280	0	0	0	0	0	0	0.895	0.895
NTR K2	CHL 1	1846 523	1844 445	9606.E NSP00 000277 120	9606.ENS P0000025 6509	0	0	0	0	0	0	0.895	0.895
EZH 2	CCN D1	1850 211	1843 117	9606.E NSP00 000320 147	9606.ENS P0000022 7507	0	0	0	0	0	0	0.895	0.895
BMP 7	VEG FA	1858 342	1855 611	9606.E NSP00 000379 204	9606.ENS P0000036 1125	0	0	0	0	0	0	0.895	0.895
PGF	KIT	1862 737	1847 112	9606.E NSP00 000451 040	9606.ENS P0000028 8135	0	0	0	0	0	0	0.5	0.895



MMP 1	KDR	1850 481	1845 437	9606.E NSP00 000322 788	9606.ENS P0000026 3923	0	0	0	0	0	0	0.895	0.895
DIAP H2	PFN2	1850 341	1843 544	9606.E NSP00 000321 348	9606.ENS P0000023 9940	0	0	0	0	0	0	0.494	0.894
CKB	LDH B	1848 031	1843 197	9606.E NSP00 000299 198	9606.ENS P0000022 9319	0	0	0	0	0	0.466	0.811	0.894
PTG S2	HPG D	1854 602	1847 749	9606.E NSP00 000356 438	9606.ENS P0000029 6522	0	0	0	0	0	0	0.893	0.893
PDG FD	FLT1	1858 075	1846 791	9606.E NSP00 000376 865	9606.ENS P0000028 2397	0	0	0	0	0	0	0.487	0.893
CDK 1	EGF R	1858 283	1846 445	9606.E NSP00 000378 699	9606.ENS P0000027 5493	0	0	0	0.664	0	0.869	0.556	0.893

PTPR C	HOX B5	1854 576	1843 513	9606.E NSP00 000356 346	9606.ENS P0000023 9151	0	0	0	0	0	0	0.892	0.892
TGF BI	TGF B1	1861 221	1842 869	9606.E NSP00 000416 330	9606.ENS P0000022 1930	0	0	0	0	0	0	0.891	0.891
IGFB P3	MMP 9	1857 331	1855 661	9606.E NSP00 000370 473	9606.ENS P0000036 1405	0	0	0	0	0	0	0.89	0.89
MMP 9	KNG 1	1855 661	1845 668	9606.E NSP00 000361 405	9606.ENS P0000026 5023	0	0	0	0	0	0	0.89	0.89
FGF1 1	EGF R	1847 442	1846 445	9606.E NSP00 000293 829	9606.ENS P0000027 5493	0	0	0	0	0	0	0.476	0.89
PTG S2	EGF R	1854 602	1846 445	9606.E NSP00 000356 438	9606.ENS P0000027 5493	0	0	0	0	0	0	0.889	0.889

PDG FD	EGF R	1858 075	1846 445	9606.E NSP00 000376 865	9606.ENS P0000027 5493	0	0	0	0	0	0	0.472	0.889
VEG FA	WT1	1855 611	1851 331	9606.E NSP00 000361 125	9606.ENS P0000033 1327	0	0	0	0	0	0	0.889	0.889
FAN CI	BRIP 1	1849 356	1844 657	9606.E NSP00 000310 842	9606.ENS P0000025 9008	0	0	0	0	0	0	0.889	0.889
MYC	CDH 2	1856 789	1846 066	9606.E NSP00 000367 207	9606.ENS P0000026 9141	0	0	0	0	0	0	0.889	0.889
WT1	CCN D1	1851 331	1843 117	9606.E NSP00 000331 327	9606.ENS P0000022 7507	0	0	0	0	0	0	0.889	0.889
MYC	EPC AM	1856 789	1845 405	9606.E NSP00 000367 207	9606.ENS P0000026 3735	0	0	0	0	0	0	0.889	0.889

HCK	RAC 2	1856 392	1843 949	9606.E NSP00 000365 012	9606.ENS P0000024 9071	0	0	0	0	0.079	0.113	0.874	0.889
PTH LH	TGF B1	1858 343	1842 869	9606.E NSP00 000379 213	9606.ENS P0000022 1930	0	0	0	0	0	0	0.889	0.889
CSF1 R	ICA M1	1847 002	1845 628	9606.E NSP00 000286 301	9606.ENS P0000026 4832	0	0	0	0	0	0	0.889	0.889
SCIN	C3	1847 816	1843 781	9606.E NSP00 000297 029	9606.ENS P0000024 5907	0	0	0	0	0	0	0.889	0.889
BSN D	CLC NKA	1855 449	1851 515	9606.E NSP00 000360 312	9606.ENS P0000033 2771	0	0	0	0	0	0	0.889	0.889
CLC NKB	BSN D	1856 357	1855 449	9606.E NSP00 000364 831	9606.ENS P0000036 0312	0	0	0	0	0	0	0.888	0.888

CAV 1	ICA M1	1852 186	1845 628	9606.E NSP00 000339 191	9606.ENS P0000026 4832	0	0	0	0	0	0	0.887	0.888
POS TN	TGF B1	1857 088	1842 869	9606.E NSP00 000369 071	9606.ENS P0000022 1930	0	0	0	0	0	0	0.888	0.888
MAP K10	RAC 2	1853 804	1843 949	9606.E NSP00 000352 157	9606.ENS P0000024 9071	0	0	0	0	0	0.313	0.256	0.888
SLC1 2A1	WN K4	1857 315	1843 844	9606.E NSP00 000370 381	9606.ENS P0000024 6914	0	0	0	0	0	0	0.888	0.888
FGF1	MET	1852 115	1849 944	9606.E NSP00 000338 548	9606.ENS P0000031 7272	0	0	0	0	0	0	0.454	0.886
PGF	EGF R	1862 737	1846 445	9606.E NSP00 000451 040	9606.ENS P0000027 5493	0	0	0	0	0	0	0.455	0.886

CCL 20	TLR 2	1853 751	1844 747	9606.E NSP00 000351 671	9606.ENS P0000026 0010	0	0	0	0	0	0	0.886	0.886
ACS M3	ACL Y	1847 172	1844 250	9606.E NSP00 000289 416	9606.ENS P0000025 3792	0	0	0	0	0.677	0.107	0.635	0.885
ANG PT2	EGF R	1849 738	1846 445	9606.E NSP00 000314 897	9606.ENS P0000027 5493	0	0	0	0	0	0	0.451	0.885
VEG FA	PTG S2	1855 611	1854 602	9606.E NSP00 000361 125	9606.ENS P0000035 6438	0	0	0	0	0	0	0.885	0.885
OSM R	ERB B2	1846 370	1846 101	9606.E NSP00 000274 276	9606.ENS P0000026 9571	0	0	0	0	0	0.876	0.108	0.885
HOX B5	HOX A2	1843 513	1842 936	9606.E NSP00 000239 151	9606.ENS P0000022 2718	0	0	0	0.742	0	0.851	0.79	0.881

NCK APIL	RAC 2	1847 410	1843 949	9606.E NSP00 000293 373	9606.ENS P0000024 9071	0	0	0	0	0.084	0	0.406	0.881
SCN N1G	USP2	1848 129	1844 761	9606.E NSP00 000300 061	9606.ENS P0000026 0187	0	0	0	0	0	0.809	0.396	0.88
PTG S2	TGF B1	1854 602	1842 869	9606.E NSP00 000356 438	9606.ENS P0000022 1930	0	0	0	0	0	0	0.88	0.88
WT1	TGF B1	1851 331	1842 869	9606.E NSP00 000331 327	9606.ENS P0000022 1930	0	0	0	0	0	0	0.879	0.879
FLT1	KITL G	1846 791	1843 134	9606.E NSP00 000282 397	9606.ENS P0000022 8280	0	0	0	0	0	0	0.42	0.879
PDH A1	ALD OC	1857 098	1843 081	9606.E NSP00 000369 134	9606.ENS P0000022 6253	0	0	0	0	0.146	0	0.346	0.878

PRO M1	TGF B1	1861 160	1842 869	9606.E NSP00 000415 481	9606.ENS P0000022 1930	0	0	0	0	0	0	0.878	0.878
FOX M1	CDC 6	1852 579	1842 453	9606.E NSP00 000342 307	9606.ENS P0000020 9728	0	0	0	0	0.113	0.104	0.859	0.878
ADM	HMO X1	1846 549	1842 546	9606.E NSP00 000278 175	9606.ENS P0000021 6117	0	0	0	0	0	0	0.878	0.878
PLG	FLT1	1849 130	1846 791	9606.E NSP00 000308 938	9606.ENS P0000028 2397	0	0	0	0	0	0	0.878	0.878
EPC AM	TSP AN8	1845 405	1843 877	9606.E NSP00 000263 735	9606.ENS P0000024 7829	0	0	0	0	0	0	0.878	0.878
PFKP	PYG L	1857 335	1842 591	9606.E NSP00 000370 517	9606.ENS P0000021 6392	0	0	0	0	0.736	0	0.554	0.877



HOX B9	CHL 1	1849 176	1844 445	9606.E NSP00 000309 439	9606.ENS P0000025 6509	0	0	0	0	0	0	0.877	0.877
CDK N3	PLK 1	1851 839	1848 135	9606.E NSP00 000335 357	9606.ENS P0000030 0093	0	0	0	0	0.073	0.445	0.78	0.877
GJA1	TGF B1	1846 806	1842 869	9606.E NSP00 000282 561	9606.ENS P0000022 1930	0	0	0	0	0	0	0.877	0.877
TNF SF13 B	TLR 3	1856 399	1847 791	9606.E NSP00 000365 048	9606.ENS P0000029 6795	0	0	0	0	0	0	0.877	0.877
CYB B	RAC 2	1856 898	1843 949	9606.E NSP00 000367 851	9606.ENS P0000024 9071	0	0	0	0	0	0	0.876	0.876
SKA 3	NDC 80	1850 147	1844 946	9606.E NSP00 000319 417	9606.ENS P0000026 1597	0	0	0	0	0.255	0	0.455	0.876

PGF	SER PINE 1	1862 737	1842 959	9606.E NSP00 000451 040	9606.ENS P0000022 3095	0	0	0	0	0	0	0.876	0.876
EIF4 EBP1	BUB 1	1852 358	1848 415	9606.E NSP00 000340 691	9606.ENS P0000030 2530	0	0	0	0	0	0.873	0.064	0.876
PRC1	KIF1 8A	1858 173	1845 299	9606.E NSP00 000377 793	9606.ENS P0000026 3181	0	0	0	0	0.142	0.363	0.283	0.875
FOX M1	MEL K	1852 579	1847 923	9606.E NSP00 000342 307	9606.ENS P0000029 8048	0	0	0	0	0.112	0	0.865	0.875
GPH N	NFA SC	1861 331	1852 857	9606.E NSP00 000417 901	9606.ENS P0000034 4786	0	0	0	0	0	0	0.874	0.874
EGF R	KITL G	1846 445	1843 134	9606.E NSP00 000275 493	9606.ENS P0000022 8280	0	0	0	0	0	0	0.397	0.874

NCK 1	RAC 2	1847 149	1843 949	9606.E NSP00 000288 986	9606.ENS P0000024 9071	0	0	0	0	0	0	0.398	0.874
ABC G1	ALB	1854 276	1847 637	9606.E NSP00 000354 995	9606.ENS P0000029 5897	0	0	0	0	0	0	0.874	0.874
FGF1	CSF1 R	1852 115	1847 002	9606.E NSP00 000338 548	9606.ENS P0000028 6301	0	0	0	0	0	0	0.396	0.874
MMP 1	TLR 2	1850 481	1844 747	9606.E NSP00 000322 788	9606.ENS P0000026 0010	0	0	0	0	0	0	0.873	0.873
ANG PT2	KIT	1849 738	1847 112	9606.E NSP00 000314 897	9606.ENS P0000028 8135	0	0	0	0	0	0.063	0.381	0.873
ATP6 V1B1	ATP 12A	1843 400	1842 709	9606.E NSP00 000234 396	9606.ENS P0000021 8548	0	0	0	0	0.239	0.107	0.828	0.873

VEG FA	PLX ND1	1855 611	1849 931	9606.E NSP00 000361 125	9606.ENS P0000031 7128	0	0	0	0	0	0	0.873	0.873
EPC AM	CCN D1	1845 405	1843 117	9606.E NSP00 000263 735	9606.ENS P0000022 7507	0	0	0	0	0	0	0.873	0.873
EGF R	HMO X1	1846 445	1842 546	9606.E NSP00 000275 493	9606.ENS P0000021 6117	0	0	0	0	0	0	0.872	0.872
MUC 1	ICA M1	1854 790	1845 628	9606.E NSP00 000357 380	9606.ENS P0000026 4832	0	0	0	0	0	0	0.872	0.872
ABC A1	GUL P1	1856 172	1853 794	9606.E NSP00 000363 868	9606.ENS P0000035 2047	0	0	0	0	0	0	0.872	0.872
TGF BI	FN1	1861 221	1853 098	9606.E NSP00 000416 330	9606.ENS P0000034 6839	0	0	0	0	0	0.809	0.359	0.872

IKZF 1	BTK	1851 367	1849 039	9606.E NSP00 000331 614	9606.ENS P0000030 8176	0	0	0	0	0.065	0.08	0.864	0.872
MYC	IKZF 1	1856 789	1851 367	9606.E NSP00 000367 207	9606.ENS P0000033 1614	0	0	0	0	0	0	0.871	0.871
KCN J1	SLC1 2A1	1858 031	1857 315	9606.E NSP00 000376 432	9606.ENS P0000037 0381	0	0	0	0	0	0	0.871	0.871
NR0 B2	LCP2	1844 279	1842 217	9606.E NSP00 000254 227	9606.ENS P0000004 6794	0	0	0	0	0	0	0.871	0.871
ADH FE1	ADH 6	1858 409	1858 245	9606.E NSP00 000379 865	9606.ENS P0000037 8359	0	0	0	0	0	0.667	0.627	0.87
MYC	PBK	1856 789	1848 348	9606.E NSP00 000367 207	9606.ENS P0000030 1905	0	0	0	0	0	0.167	0.85	0.869

BMP 7	FGF9	1858 342	1857 512	9606.E NSP00 000379 204	9606.ENS P0000037 1790	0	0	0	0	0	0	0.869	0.869
CCN B2	KIF1 1	1847 117	1844 817	9606.E NSP00 000288 207	9606.ENS P0000026 0731	0	0	0	0	0.431	0.311	0.692	0.868
PTG S2	TLR 2	1854 602	1844 747	9606.E NSP00 000356 438	9606.ENS P0000026 0010	0	0	0	0	0	0	0.868	0.868
NED D4L	GRB 14	1858 810	1845 434	9606.E NSP00 000383 199	9606.ENS P0000026 3915	0	0	0	0	0	0.614	0.67	0.867
NED D4L	EGF R	1858 810	1846 445	9606.E NSP00 000383 199	9606.ENS P0000027 5493	0	0	0	0	0	0	0.366	0.867
GAT A3	TBX 3	1857 010	1844 516	9606.E NSP00 000368 632	9606.ENS P0000025 7566	0	0	0	0	0	0	0.866	0.867

JAK3	PRL R	1859 586	1857 467	9606.E NSP00 000391 676	9606.ENS P0000037 1432	0	0	0	0	0	0	0.359	0.866
KCT D1	TFA P2A	1860 716	1857 061	9606.E NSP00 000408 405	9606.ENS P0000036 8924	0	0	0	0	0.066	0.663	0.61	0.866
TRP V6	PDZ D3	1853 837	1853 209	9606.E NSP00 000352 358	9606.ENS P0000034 7742	0	0	0	0	0	0	0.866	0.866
FGF9	VEG FA	1857 512	1855 611	9606.E NSP00 000371 790	9606.ENS P0000036 1125	0	0	0	0	0	0	0.866	0.866
FGF9	KIT	1857 512	1847 112	9606.E NSP00 000371 790	9606.ENS P0000028 8135	0	0	0	0	0	0	0.361	0.866
GAT A3	MYC	1857 010	1856 789	9606.E NSP00 000368 632	9606.ENS P0000036 7207	0	0	0	0	0	0	0.866	0.866

SCD	ACL Y	1855 232	1844 250	9606.E NSP00 000359 380	9606.ENS P0000025 3792	0	0	0	0	0.235	0	0.832	0.866
VEG FA	DCN	1855 611	1842 218	9606.E NSP00 000361 125	9606.ENS P0000005 2754	0	0	0	0	0	0	0.866	0.866
PBX 1	WT1	1860 561	1851 331	9606.E NSP00 000405 890	9606.ENS P0000033 1327	0	0	0	0	0	0	0.865	0.865
TNF RSF9	FAS	1856 697	1853 242	9606.E NSP00 000366 729	9606.ENS P0000034 7979	0	0	0	0	0	0	0.865	0.865
MYC	TNF SF13 B	1856 789	1856 399	9606.E NSP00 000367 207	9606.ENS P0000036 5048	0	0	0	0	0	0	0.865	0.865
PTG S2	HMO X1	1854 602	1842 546	9606.E NSP00 000356 438	9606.ENS P0000021 6117	0	0	0	0	0	0	0.864	0.865



DEF B1	ALB	1847 869	1847 637	9606.E NSP00 000297 439	9606.ENS P0000029 5897	0	0	0	0	0	0	0.865	0.865
PDH A1	ALD OB	1857 098	1856 191	9606.E NSP00 000369 134	9606.ENS P0000036 3988	0	0	0	0	0.146	0	0.27	0.864
CDK 1	CEN PE	1858 283	1845 701	9606.E NSP00 000378 699	9606.ENS P0000026 5148	0	0	0	0	0.281	0.505	0.649	0.864
NED D4L	WN K4	1858 810	1843 844	9606.E NSP00 000383 199	9606.ENS P0000024 6914	0	0	0	0	0	0.569	0.698	0.864
PBX 1	HOX B8	1860 561	1843 512	9606.E NSP00 000405 890	9606.ENS P0000023 9144	0	0	0	0	0	0.623	0.654	0.864
MYB L1	MYC	1861 801	1856 789	9606.E NSP00 000429 633	9606.ENS P0000036 7207	0	0	0	0	0	0	0.864	0.864

MMP 9	PTG ER3	1855 661	1853 383	9606.E NSP00 000361 405	9606.ENS P0000034 9003	0	0	0	0	0	0	0.864	0.864
MET	TGF A	1849 944	1847 571	9606.E NSP00 000317 272	9606.ENS P0000029 5400	0	0	0	0	0	0	0.864	0.864
EVI2 B	EVI2 A	1851 627	1843 865	9606.E NSP00 000333 779	9606.ENS P0000024 7270	0	0	0	0	0	0	0.863	0.863
MET	KITL G	1849 944	1843 134	9606.E NSP00 000317 272	9606.ENS P0000022 8280	0	0	0	0	0	0	0.346	0.863
MYB L1	CCN B2	1861 801	1847 117	9606.E NSP00 000429 633	9606.ENS P0000028 8207	0	0	0	0	0	0.462	0.756	0.863
MUC 1	CCN D1	1854 790	1843 117	9606.E NSP00 000357 380	9606.ENS P0000022 7507	0	0	0	0	0	0	0.863	0.863

MET	ANG PT2	1849 944	1849 738	9606.E NSP00 000317 272	9606.ENS P0000031 4897	0	0	0	0	0	0	0.345	0.863
CD16 3	CD3 6	1853 796	1849 038	9606.E NSP00 000352 071	9606.ENS P0000030 8165	0	0	0	0	0	0	0.862	0.862
CDK 1	MYC	1858 283	1856 789	9606.E NSP00 000378 699	9606.ENS P0000036 7207	0	0	0	0	0	0.621	0.652	0.862
NPH S1	KDR	1856 951	1845 437	9606.E NSP00 000368 190	9606.ENS P0000026 3923	0	0	0	0	0	0	0.862	0.862
NDC 80	KIF1 1	1844 946	1844 817	9606.E NSP00 000261 597	9606.ENS P0000026 0731	0	0	0	0	0.661	0.163	0.552	0.862
PIP5 K1B	RAC 2	1845 741	1843 949	9606.E NSP00 000265 382	9606.ENS P0000024 9071	0	0	0	0	0	0.221	0.19	0.862

VEG FA	NTR K2	1855 611	1846 523	9606.E NSP00 000361 125	9606.ENS P0000027 7120	0	0	0	0	0	0	0.862	0.862
ANK 3	CHL 1	1846 690	1844 445	9606.E NSP00 000280 772	9606.ENS P0000025 6509	0	0	0	0	0.07	0	0.857	0.862
PIK3 CG	KDR	1853 801	1845 437	9606.E NSP00 000352 121	9606.ENS P0000026 3923	0	0	0	0	0	0.094	0.302	0.862
KDR	DCN	1845 437	1842 218	9606.E NSP00 000263 923	9606.ENS P0000005 2754	0	0	0	0	0	0.1	0.851	0.861
FOX M1	ERB B2	1852 579	1846 101	9606.E NSP00 000342 307	9606.ENS P0000026 9571	0	0	0	0	0	0	0.86	0.86
EGF	CLD N16	1845 705	1845 612	9606.E NSP00 000265 171	9606.ENS P0000026 4734	0	0	0	0	0	0	0.86	0.86

BSP RY	TRP V5	1856 057	1845 722	9606.E NSP00 000363 298	9606.ENS P0000026 5310	0	0	0	0	0	0	0.86	0.86
MMP 9	DLL 4	1855 661	1843 973	9606.E NSP00 000361 405	9606.ENS P0000024 9749	0	0	0	0	0	0	0.86	0.86
PGF	ERB B2	1862 737	1846 101	9606.E NSP00 000451 040	9606.ENS P0000026 9571	0	0	0	0	0	0	0.329	0.86
JAK3	OSM R	1859 586	1846 370	9606.E NSP00 000391 676	9606.ENS P0000027 4276	0	0	0	0	0	0	0.324	0.859
EPH A3	NCK 1	1852 002	1847 149	9606.E NSP00 000337 451	9606.ENS P0000028 8986	0	0	0	0	0	0.107	0.849	0.859
LYP D6B	KDR	1859 236	1845 437	9606.E NSP00 000387 077	9606.ENS P0000026 3923	0	0	0	0	0	0	0.859	0.859

ABC A1	TLR 2	1856 172	1844 747	9606.E NSP00 000363 868	9606.ENS P0000026 0010	0	0	0	0	0	0	0.859	0.859
IGFB P3	TGM 2	1857 331	1854 355	9606.E NSP00 000370 473	9606.ENS P0000035 5330	0	0	0	0	0	0	0.859	0.859
FGF R2	TGF A	1860 837	1847 571	9606.E NSP00 000410 294	9606.ENS P0000029 5400	0	0	0	0	0	0	0.324	0.859
TLR2	SER PINE 1	1844 747	1842 959	9606.E NSP00 000260 010	9606.ENS P0000022 3095	0	0	0	0	0	0	0.859	0.859
PDG FD	MMP 9	1858 075	1855 661	9606.E NSP00 000376 865	9606.ENS P0000036 1405	0	0	0	0	0	0	0.858	0.858
SLC9 A3	SYT 1	1845 649	1844 863	9606.E NSP00 000264 938	9606.ENS P0000026 1205	0	0	0	0	0	0	0.857	0.858

MYO F	EHD 2	1853 814	1845 326	9606.E NSP00 000352 208	9606.ENS P0000026 3277	0	0	0	0	0	0.109	0.847	0.857
MMP 9	WT1	1855 661	1851 331	9606.E NSP00 000361 405	9606.ENS P0000033 1327	0	0	0	0	0	0	0.856	0.856
MYC	RRM 2	1856 789	1854 033	9606.E NSP00 000367 207	9606.ENS P0000035 3770	0	0	0	0	0	0	0.856	0.856
BMP 7	PPA RGC 1A	1858 342	1845 634	9606.E NSP00 000379 204	9606.ENS P0000026 4867	0	0	0	0	0	0	0.856	0.856
ADH FE1	ADH 1B	1858 409	1848 863	9606.E NSP00 000379 865	9606.ENS P0000030 6606	0	0	0	0	0	0.667	0.585	0.856
SUC LG1	ACA A1	1858 135	1851 610	9606.E NSP00 000377 446	9606.ENS P0000033 3664	0.116	0	0	0	0.08	0	0.222	0.856

ESM 1	VEG FA	1857 378	1855 611	9606.E NSP00 000370 812	9606.ENS P0000036 1125	0	0	0	0	0	0	0.856	0.856
SHM T2	LDH B	1851 612	1843 197	9606.E NSP00 000333 667	9606.ENS P0000022 9319	0.069	0	0	0	0.086	0	0.844	0.856
MYC	MAP K10	1856 789	1853 804	9606.E NSP00 000367 207	9606.ENS P0000035 2157	0	0	0	0	0	0	0.856	0.856
MMP 9	NOS 1	1855 661	1852 004	9606.E NSP00 000361 405	9606.ENS P0000033 7459	0	0	0	0	0	0	0.855	0.856
ALD OB	ENO 2	1856 191	1843 192	9606.E NSP00 000363 988	9606.ENS P0000022 9277	0	0	0	0	0.736	0	0.477	0.856
PIK3 CG	FLT1	1853 801	1846 791	9606.E NSP00 000352 121	9606.ENS P0000028 2397	0	0	0	0	0	0.105	0.259	0.855



ALD OC	PYG L	1843 081	1842 591	9606.E NSP00 000226 253	9606.ENS P0000021 6392	0	0	0	0	0.735	0.102	0.439	0.855
ANG PT2	PRO X1	1849 738	1844 915	9606.E NSP00 000314 897	9606.ENS P0000026 1454	0	0	0	0	0	0	0.855	0.855
MMP 9	TGM 2	1855 661	1854 355	9606.E NSP00 000361 405	9606.ENS P0000035 5330	0	0	0	0	0	0	0.855	0.855
ALD OB	PYG L	1856 191	1842 591	9606.E NSP00 000363 988	9606.ENS P0000021 6392	0	0	0	0	0.735	0.102	0.439	0.855
BTK	TLR 3	1849 039	1847 791	9606.E NSP00 000308 176	9606.ENS P0000029 6795	0	0	0	0	0	0.1	0.846	0.855
ACA A1	OXC T1	1851 610	1842 370	9606.E NSP00 000333 664	9606.ENS P0000019 6371	0.608	0	0	0	0.111	0	0.619	0.855

CDK 1	GJA1	1858 283	1846 806	9606.E NSP00 000378 699	9606.ENS P0000028 2561	0	0	0	0	0	0	0.854	0.854
VEG FA	FOX M1	1855 611	1852 579	9606.E NSP00 000361 125	9606.ENS P0000034 2307	0	0	0	0	0	0	0.854	0.854
NPH S1	SER PINE 1	1856 951	1842 959	9606.E NSP00 000368 190	9606.ENS P0000022 3095	0	0	0	0	0	0	0.854	0.854
ADH FE1	ADH 1A	1858 409	1842 451	9606.E NSP00 000379 865	9606.ENS P0000020 9668	0	0	0	0	0	0.667	0.581	0.854
CDK N3	PLK 2	1851 839	1846 372	9606.E NSP00 000335 357	9606.ENS P0000027 4289	0	0	0	0	0	0.445	0.748	0.854
PGF	MET	1862 737	1849 944	9606.E NSP00 000451 040	9606.ENS P0000031 7272	0	0	0	0	0	0	0.304	0.854

ANG PT2	ERB B2	1849 738	1846 101	9606.E NSP00 000314 897	9606.ENS P0000026 9571	0	0	0	0	0	0	0.854	0.854
IGFB P3	FN1	1857 331	1853 098	9606.E NSP00 000370 473	9606.ENS P0000034 6839	0	0	0	0	0	0.812	0.251	0.853
ALD H4A 1	ASS1	1847 245	1844 185	9606.E NSP00 000290 597	9606.ENS P0000025 3004	0	0	0	0	0	0	0.295	0.853
FBL N5	TGF B1	1852 883	1842 869	9606.E NSP00 000345 008	9606.ENS P0000022 1930	0	0	0	0	0	0	0.852	0.852
TOP2 A	CDK 1	1860 923	1858 283	9606.E NSP00 000411 532	9606.ENS P0000037 8699	0	0	0	0	0.288	0.576	0.55	0.852
FGF R2	PIK3 CG	1860 837	1853 801	9606.E NSP00 000410 294	9606.ENS P0000035 2121	0	0	0	0	0	0.088	0.255	0.852

NRP 2	PLX NB1	1854 002	1847 728	9606.E NSP00 000353 582	9606.ENS P0000029 6440	0	0	0	0	0	0.082	0.472	0.852
FAB P7	EGF R	1854 799	1846 445	9606.E NSP00 000357 429	9606.ENS P0000027 5493	0	0	0	0	0	0	0.851	0.851
TLR3	EGF R	1847 791	1846 445	9606.E NSP00 000296 795	9606.ENS P0000027 5493	0	0	0	0	0	0.083	0.844	0.851
HOG A1	DAO	1855 317	1843 145	9606.E NSP00 000359 680	9606.ENS P0000022 8476	0.093	0	0	0	0	0	0.246	0.851
POS TN	EGF R	1857 088	1846 445	9606.E NSP00 000369 071	9606.ENS P0000027 5493	0	0	0	0	0	0	0.851	0.851
PPA RGC 1A	NR0 B2	1845 634	1844 279	9606.E NSP00 000264 867	9606.ENS P0000025 4227	0	0	0	0	0	0	0.85	0.851

PDH A1	PCK 1	1857 098	1850 185	9606.E NSP00 000369 134	9606.ENS P0000031 9814	0	0	0	0	0	0	0.286	0.851
MMP 9	FOX M1	1855 661	1852 579	9606.E NSP00 000361 405	9606.ENS P0000034 2307	0	0	0	0	0	0	0.851	0.851
BMP 7	GJA1	1858 342	1846 806	9606.E NSP00 000379 204	9606.ENS P0000028 2561	0	0	0	0	0	0	0.85	0.85
KNG 1	TLR 2	1845 668	1844 747	9606.E NSP00 000265 023	9606.ENS P0000026 0010	0	0	0	0	0	0	0.85	0.85
SCN N1A	USP2	1853 964	1844 761	9606.E NSP00 000353 292	9606.ENS P0000026 0187	0	0	0	0	0	0.809	0.247	0.85
HTA TIP2	MYC	1859 683	1856 789	9606.E NSP00 000392 985	9606.ENS P0000036 7207	0	0	0	0	0	0	0.85	0.85

PIK3 CG	ITGB 2	1853 801	1848 511	9606.E NSP00 000352 121	9606.ENS P0000030 3242	0	0	0	0	0	0	0.283	0.85
FGF1 1	FLT1	1847 442	1846 791	9606.E NSP00 000293 829	9606.ENS P0000028 2397	0	0	0	0	0	0	0.278	0.849
CDK 18	CCN A2	1861 603	1846 354	9606.E NSP00 000423 665	9606.ENS P0000027 4026	0	0.003	0	0	0.114	0.405	0.736	0.849
LCP1	ACT G2	1849 816	1847 542	9606.E NSP00 000315 757	9606.ENS P0000029 5137	0	0	0	0	0	0.431	0.744	0.848
COL 4A1	ITG A5	1856 385	1847 411	9606.E NSP00 000364 979	9606.ENS P0000029 3379	0	0	0	0	0.112	0	0.215	0.848
PTG S2	NOS 1	1854 602	1852 004	9606.E NSP00 000356 438	9606.ENS P0000033 7459	0	0	0	0	0	0.149	0.828	0.848

COL 1A1	TGF B1	1843 064	1842 869	9606.E NSP00 000225 964	9606.ENS P0000022 1930	0	0	0	0	0	0.149	0.828	0.848
ERB B2	DCN	1846 101	1842 218	9606.E NSP00 000269 571	9606.ENS P0000005 2754	0	0	0	0	0	0.096	0.224	0.847
KNG 1	CCN D1	1845 668	1843 117	9606.E NSP00 000265 023	9606.ENS P0000022 7507	0	0	0	0	0	0	0.847	0.847
PTPR C	KDR	1854 576	1845 437	9606.E NSP00 000356 346	9606.ENS P0000026 3923	0	0	0	0	0	0.074	0.842	0.847
MMP 9	HEY 1	1855 661	1852 090	9606.E NSP00 000361 405	9606.ENS P0000033 8272	0	0	0	0	0	0	0.847	0.847
FGF1	HMO X1	1852 115	1842 546	9606.E NSP00 000338 548	9606.ENS P0000021 6117	0	0	0	0	0	0	0.847	0.847

BSP RY	TRP V6	1856 057	1853 837	9606.E NSP00 000363 298	9606.ENS P0000035 2358	0	0	0	0	0	0	0.847	0.847
REC QL	ATA D5	1859 865	1849 606	9606.E NSP00 000395 449	9606.ENS P0000031 3171	0	0	0	0	0.157	0.722	0.396	0.846
SLC2 A1	SCD	1861 219	1855 232	9606.E NSP00 000416 293	9606.ENS P0000035 9380	0	0	0	0	0.111	0	0.834	0.846
PRE X1	PIK3 CG	1855 583	1853 801	9606.E NSP00 000361 009	9606.ENS P0000035 2121	0	0	0	0	0	0	0.266	0.846
MMP 1	TNF AIP6	1850 481	1843 667	9606.E NSP00 000322 788	9606.ENS P0000024 3347	0	0	0	0	0	0	0.846	0.846
SELE	ICA M1	1851 385	1845 628	9606.E NSP00 000331 736	9606.ENS P0000026 4832	0	0	0	0	0	0	0.845	0.845



KCN E3	KCN E4	1849 309	1846 747	9606.E NSP00 000310 557	9606.ENS P0000028 1830	0	0	0	0	0	0	0.845	0.845
PRO M1	PTP RC	1861 160	1854 576	9606.E NSP00 000415 481	9606.ENS P0000035 6346	0	0	0	0	0	0	0.845	0.845
PIK3 CG	MET	1853 801	1849 944	9606.E NSP00 000352 121	9606.ENS P0000031 7272	0	0	0	0	0	0.088	0.22	0.845
SUC LG1	HMG CS2	1858 135	1855 015	9606.E NSP00 000377 446	9606.ENS P0000035 8414	0	0	0	0	0.077	0	0.232	0.845
CDK N3	CDC 6	1851 839	1842 453	9606.E NSP00 000335 357	9606.ENS P0000020 9728	0	0	0	0	0	0.672	0.548	0.845
ABC A1	HMG CS2	1856 172	1855 015	9606.E NSP00 000363 868	9606.ENS P0000035 8414	0	0	0	0	0	0	0.845	0.845

CYFI P2	NCK 1	1850 773	1847 149	9606.E NSP00 000325 817	9606.ENS P0000028 8986	0	0	0	0	0	0.571	0.654	0.845
VEG FA	TMS B10	1855 611	1843 340	9606.E NSP00 000361 125	9606.ENS P0000023 3143	0	0	0	0	0	0	0.844	0.844
ACL Y	ENO 2	1844 250	1843 192	9606.E NSP00 000253 792	9606.ENS P0000022 9277	0.223	0	0	0	0.522	0	0.615	0.844
BUB 1	RPS6 KA6	1848 415	1845 209	9606.E NSP00 000302 530	9606.ENS P0000026 2752	0	0	0	0	0	0.078	0.225	0.844
HIST 1H2B M	HIST 1H3 B	1853 848	1843 731	9606.E NSP00 000352 442	9606.ENS P0000024 4661	0	0	0	0	0.182	0.449	0.682	0.844
VEG FA	CEA CAM 1	1855 611	1842 281	9606.E NSP00 000361 125	9606.ENS P0000016 1559	0	0	0	0	0	0	0.844	0.844

NOS 1	SEL E	1852 004	1851 385	9606.E NSP00 000337 459	9606.ENS P0000033 1736	0	0	0	0	0	0	0.843	0.843
ANG PT2	CSF1 R	1849 738	1847 002	9606.E NSP00 000314 897	9606.ENS P0000028 6301	0	0	0	0	0	0.063	0.232	0.843
FGF1 1	KDR	1847 442	1845 437	9606.E NSP00 000293 829	9606.ENS P0000026 3923	0	0	0	0	0	0	0.247	0.843
CDK 1	PLK 2	1858 283	1846 372	9606.E NSP00 000378 699	9606.ENS P0000027 4289	0	0	0	0.672	0.482	0.611	0.771	0.842
PDG FD	KIT	1858 075	1847 112	9606.E NSP00 000376 865	9606.ENS P0000028 8135	0	0	0	0	0	0	0.243	0.842
COL 5A2	ITG A5	1856 195	1847 411	9606.E NSP00 000364 000	9606.ENS P0000029 3379	0	0	0	0	0	0	0.242	0.841

MMP 1	LGA LS1	1850 481	1842 521	9606.E NSP00 000322 788	9606.ENS P0000021 5909	0	0	0	0	0	0	0.841	0.841
CD30 0A	NR0 B2	1853 962	1844 279	9606.E NSP00 000353 259	9606.ENS P0000025 4227	0	0	0	0	0	0.109	0.828	0.841
CYP 17A1	TGF B1	1855 129	1842 869	9606.E NSP00 000358 903	9606.ENS P0000022 1930	0	0	0	0	0	0	0.841	0.841
FGF9	CSF1 R	1857 512	1847 002	9606.E NSP00 000371 790	9606.ENS P0000028 6301	0	0	0	0	0	0	0.234	0.84
PRL R	ERB B4	1857 467	1852 571	9606.E NSP00 000371 432	9606.ENS P0000034 2235	0	0	0	0	0	0	0.84	0.84
FGF R2	ANG PT2	1860 837	1849 738	9606.E NSP00 000410 294	9606.ENS P0000031 4897	0	0	0	0	0	0.063	0.214	0.839

ITGA 4	VWF	1858 446	1844 904	9606.E NSP00 000380 227	9606.ENS P0000026 1405	0	0	0	0	0	0	0.231	0.839
CD86	CD4	1851 423	1842 167	9606.E NSP00 000332 049	9606.ENS P0000001 1653	0	0	0	0	0	0	0.839	0.839
PRC1	EZH 2	1858 173	1850 211	9606.E NSP00 000377 793	9606.ENS P0000032 0147	0	0	0	0	0.107	0	0.826	0.838
VEG FA	PPA RGC 1A	1855 611	1845 634	9606.E NSP00 000361 125	9606.ENS P0000026 4867	0	0	0	0	0	0	0.838	0.838
MYC	FN1	1856 789	1853 098	9606.E NSP00 000367 207	9606.ENS P0000034 6839	0	0	0	0	0	0.15	0.817	0.838
MYC	CAV 1	1856 789	1852 186	9606.E NSP00 000367 207	9606.ENS P0000033 9191	0	0	0	0	0	0	0.837	0.838

FGF1 1	KIT	1847 442	1847 112	9606.E NSP00 000293 829	9606.ENS P0000028 8135	0	0	0	0	0	0	0.223	0.837
ESR RB	TFC P2L1	1857 301	1845 398	9606.E NSP00 000370 270	9606.ENS P0000026 3707	0	0	0	0	0	0	0.837	0.837
SLC1 2A1	SLC9 A3	1857 315	1845 649	9606.E NSP00 000370 381	9606.ENS P0000026 4938	0	0	0	0	0	0.09	0.829	0.837
FGF1 1	CSF1 R	1847 442	1847 002	9606.E NSP00 000293 829	9606.ENS P0000028 6301	0	0	0	0	0	0	0.223	0.837
PTPR C	ICA M1	1854 576	1845 628	9606.E NSP00 000356 346	9606.ENS P0000026 4832	0	0	0	0	0	0	0.837	0.837
KIF1 1	DLG AP5	1844 817	1843 859	9606.E NSP00 000260 731	9606.ENS P0000024 7191	0	0	0	0	0.432	0	0.725	0.837

CDH 13	HSP A2	1860 733	1843 861	9606.E NSP00 000408 632	9606.ENS P0000024 7207	0	0	0	0	0	0	0.836	0.836
PIK3 CG	EIF4 EBP1	1853 801	1852 358	9606.E NSP00 000352 121	9606.ENS P0000034 0691	0	0	0	0	0	0.104	0.825	0.836
BMP 7	ICA M1	1858 342	1845 628	9606.E NSP00 000379 204	9606.ENS P0000026 4832	0	0	0	0	0	0	0.836	0.836
PGF	CSF1 R	1862 737	1847 002	9606.E NSP00 000451 040	9606.ENS P0000028 6301	0	0	0	0	0	0	0.216	0.836
SUC LG1	OGD HL	1858 135	1856 045	9606.E NSP00 000377 446	9606.ENS P0000036 3216	0.462	0	0	0	0.431	0	0.507	0.836
RAP GEF3	ICA M1	1857 808	1845 628	9606.E NSP00 000373 864	9606.ENS P0000026 4832	0	0	0	0	0	0	0.836	0.836

ITGA 5	VWF	1847 411	1844 904	9606.E NSP00 000293 379	9606.ENS P0000026 1405	0	0	0	0	0	0	0.216	0.836
DAC H1	CCN D1	1848 693	1843 117	9606.E NSP00 000304 994	9606.ENS P0000022 7507	0	0	0	0	0	0	0.835	0.835
ITGA L	LYZ	1853 413	1844 877	9606.E NSP00 000349 252	9606.ENS P0000026 1267	0	0	0	0	0	0	0.835	0.835
FGF9	MET	1857 512	1849 944	9606.E NSP00 000371 790	9606.ENS P0000031 7272	0	0	0	0	0	0	0.213	0.835
MMP 9	HPG D	1855 661	1847 749	9606.E NSP00 000361 405	9606.ENS P0000029 6522	0	0	0	0	0	0	0.835	0.835
FGF R2	KITL G	1860 837	1843 134	9606.E NSP00 000410 294	9606.ENS P0000022 8280	0	0	0	0	0	0	0.212	0.835



ITGA 4	COL 1A1	1858 446	1843 064	9606.E NSP00 000380 227	9606.ENS P0000022 5964	0	0	0	0	0	0	0.21	0.835
PTG S2	TGM 2	1854 602	1854 355	9606.E NSP00 000356 438	9606.ENS P0000035 5330	0	0	0	0	0	0	0.835	0.835
NED D4L	ERB B4	1858 810	1852 571	9606.E NSP00 000383 199	9606.ENS P0000034 2235	0	0	0	0	0	0	0.211	0.835
GPC 3	MYC	1858 180	1856 789	9606.E NSP00 000377 836	9606.ENS P0000036 7207	0	0	0	0	0	0	0.834	0.834
CAV 1	NOS 1	1852 186	1852 004	9606.E NSP00 000339 191	9606.ENS P0000033 7459	0	0	0	0	0	0	0.834	0.834
MYC	IKZF 3	1856 789	1852 827	9606.E NSP00 000367 207	9606.ENS P0000034 4544	0	0	0	0	0	0	0.834	0.834

ITGA 5	LAM C2	1847 411	1845 485	9606.E NSP00 000293 379	9606.ENS P0000026 4144	0	0	0	0	0	0	0.206	0.834
GJA1	CAV 2	1846 806	1842 935	9606.E NSP00 000282 561	9606.ENS P0000022 2693	0	0	0	0	0	0	0.833	0.833
ESM 1	ICA M1	1857 378	1845 628	9606.E NSP00 000370 812	9606.ENS P0000026 4832	0	0	0	0	0	0	0.833	0.833
SMC 4	NDC 80	1852 454	1844 946	9606.E NSP00 000341 382	9606.ENS P0000026 1597	0	0	0	0	0.431	0.334	0.595	0.833
CTH	LDH B	1855 373	1843 197	9606.E NSP00 000359 976	9606.ENS P0000022 9319	0	0	0	0	0	0	0.199	0.833
CAV 1	SCA RB1	1852 186	1844 967	9606.E NSP00 000339 191	9606.ENS P0000026 1693	0	0	0	0	0	0	0.833	0.833

EGFR	HOXA7	1846 445	1843 612	9606.E NSP00 000275 493	9606.ENS P0000024 2159	0	0	0	0	0	0	0.833	0.833
FAS	CAV1	1853 242	1852 186	9606.E NSP00 000347 979	9606.ENS P0000033 9191	0	0	0	0	0	0.808	0.163	0.832
EGFR	TLR2	1846 445	1844 747	9606.E NSP00 000275 493	9606.ENS P0000026 0010	0	0	0	0	0	0.749	0.358	0.832
PDGFD	KDR	1858 075	1845 437	9606.E NSP00 000376 865	9606.ENS P0000026 3923	0	0	0	0	0	0	0.198	0.832
PROM1	KDR	1861 160	1845 437	9606.E NSP00 000415 481	9606.ENS P0000026 3923	0	0	0	0	0	0	0.832	0.832
EIF4EBP1	PLK1	1852 358	1848 135	9606.E NSP00 000340 691	9606.ENS P0000030 0093	0	0	0	0	0	0	0.832	0.832

PGF	FGF R2	1862 737	1860 837	9606.E NSP00 000451 040	9606.ENS P0000041 0294	0	0	0	0	0	0	0.196	0.832
BUB 1	PLK 2	1848 415	1846 372	9606.E NSP00 000302 530	9606.ENS P0000027 4289	0	0	0	0	0.183	0.372	0.698	0.831
CAV 1	HMO X1	1852 186	1842 546	9606.E NSP00 000339 191	9606.ENS P0000021 6117	0	0	0	0	0	0	0.83	0.831
PDG FD	ERB B2	1858 075	1846 101	9606.E NSP00 000376 865	9606.ENS P0000026 9571	0	0	0	0	0	0	0.192	0.831
MAP K10	HSP A2	1853 804	1843 861	9606.E NSP00 000352 157	9606.ENS P0000024 7207	0	0	0	0	0	0	0.193	0.831
CAS Z1	EZH 2	1856 591	1850 211	9606.E NSP00 000366 221	9606.ENS P0000032 0147	0	0	0	0	0	0	0.831	0.831

DPP6	KCN K9	1856 752	1848 378	9606.E NSP00 000367 001	9606.ENS P0000030 2166	0	0	0	0	0	0	0.831	0.831
PLK1	BRIP 1	1848 135	1844 657	9606.E NSP00 000300 093	9606.ENS P0000025 9008	0	0	0	0	0.07	0	0.826	0.831
TGM 2	CDH 2	1854 355	1846 066	9606.E NSP00 000355 330	9606.ENS P0000026 9141	0	0	0	0	0	0	0.831	0.831
GGT 6	ALD H4A 1	1863 209	1847 245	9606.E NSP00 000458 307	9606.ENS P0000029 0597	0	0	0	0	0	0	0.189	0.83
PDH A1	PDP2	1857 098	1849 193	9606.E NSP00 000369 134	9606.ENS P0000030 9548	0	0	0	0	0	0.299	0.767	0.83
ALD OB	G6P C	1856 191	1844 254	9606.E NSP00 000363 988	9606.ENS P0000025 3801	0	0	0	0	0.09	0	0.144	0.83

NED D4L	MET	1858 810	1849 944	9606.E NSP00 000383 199	9606.ENS P0000031 7272	0	0	0	0	0	0.089	0.138	0.829
DTL	DDB 2	1854 490	1844 481	9606.E NSP00 000355 958	9606.ENS P0000025 6996	0	0	0	0	0	0	0.417	0.829
RGC C	CDH 2	1857 014	1846 066	9606.E NSP00 000368 664	9606.ENS P0000026 9141	0	0	0	0	0	0	0.829	0.829
NPN T	FRE M2	1859 413	1846 671	9606.E NSP00 000389 252	9606.ENS P0000028 0481	0	0	0	0	0	0	0.829	0.829
NOS 1	EGF R	1852 004	1846 445	9606.E NSP00 000337 459	9606.ENS P0000027 5493	0	0	0	0	0	0	0.829	0.829
ABC A1	CAV 1	1856 172	1852 186	9606.E NSP00 000363 868	9606.ENS P0000033 9191	0	0	0	0	0	0	0.828	0.829

ANK 2	CHL 1	1853 464	1844 445	9606.E NSP00 000349 588	9606.ENS P0000025 6509	0	0	0	0	0.07	0	0.822	0.828
DTL	CDC 6	1854 490	1842 453	9606.E NSP00 000355 958	9606.ENS P0000020 9728	0	0	0	0	0.738	0	0.371	0.828
SCIN	PIP5 K1B	1847 816	1845 741	9606.E NSP00 000297 029	9606.ENS P0000026 5382	0	0	0	0	0	0	0.175	0.827
PTG S2	TLR 3	1854 602	1847 791	9606.E NSP00 000356 438	9606.ENS P0000029 6795	0	0	0	0	0	0	0.827	0.827
CAV 1	PRK CDB P	1852 186	1848 946	9606.E NSP00 000339 191	9606.ENS P0000030 7292	0	0	0	0	0	0.804	0.152	0.827
ADS SL1	ALD H4A 1	1851 543	1847 245	9606.E NSP00 000333 019	9606.ENS P0000029 0597	0	0	0	0	0.112	0	0.107	0.827

NOS 1	KDR	1852 004	1845 437	9606.E NSP00 000337 459	9606.ENS P0000026 3923	0	0	0	0	0	0	0.827	0.827
CXC R4	TLR 2	1859 216	1844 747	9606.E NSP00 000386 884	9606.ENS P0000026 0010	0	0	0	0	0	0.808	0.138	0.827
TFA P2A	HOX A2	1857 061	1842 936	9606.E NSP00 000368 924	9606.ENS P0000022 2718	0	0	0	0	0	0	0.826	0.827
TFA P2A	ERB B2	1857 061	1846 101	9606.E NSP00 000368 924	9606.ENS P0000026 9571	0	0	0	0	0	0	0.827	0.827
SLC1 2A3	WN K3	1860 326	1853 080	9606.E NSP00 000402 152	9606.ENS P0000034 6667	0	0	0	0	0	0	0.827	0.827
BUB 1B	CDC 6	1847 075	1842 453	9606.E NSP00 000287 598	9606.ENS P0000020 9728	0	0	0	0	0.113	0	0.357	0.826



DAC H1	EGF R	1848 693	1846 445	9606.E NSP00 000304 994	9606.ENS P0000027 5493	0	0	0	0	0	0.254	0.776	0.826
EGF R	SUL F1	1846 445	1844 757	9606.E NSP00 000275 493	9606.ENS P0000026 0128	0	0	0	0	0	0	0.826	0.826
JAK3	IL10 RA	1859 586	1843 125	9606.E NSP00 000391 676	9606.ENS P0000022 7752	0	0	0	0	0	0	0.168	0.826
NOS 1	GJA1	1852 004	1846 806	9606.E NSP00 000337 459	9606.ENS P0000028 2561	0	0	0	0	0	0	0.826	0.826
MUC 1	ERB B4	1854 790	1852 571	9606.E NSP00 000357 380	9606.ENS P0000034 2235	0	0	0	0	0	0.802	0.159	0.826
MYC	NOS 1	1856 789	1852 004	9606.E NSP00 000367 207	9606.ENS P0000033 7459	0	0	0	0	0	0	0.825	0.826

LIC AM	ANK 3	1855 168	1846 690	9606.E NSP00 000359 074	9606.ENS P0000028 0772	0	0	0	0	0.07	0	0.82	0.825
SLC1 2A1	CLC NKB	1857 315	1856 357	9606.E NSP00 000370 381	9606.ENS P0000036 4831	0	0	0	0	0	0	0.825	0.825
LIC AM	ANK 2	1855 168	1853 464	9606.E NSP00 000359 074	9606.ENS P0000034 9588	0	0	0	0	0.07	0	0.82	0.825
PRD M1	TLR 2	1854 949	1844 747	9606.E NSP00 000358 092	9606.ENS P0000026 0010	0	0	0	0	0	0	0.824	0.825
CEL	LIPA	1855 614	1851 986	9606.E NSP00 000361 151	9606.ENS P0000033 7354	0	0	0	0	0	0	0.164	0.825
ERB B2	PEP D	1846 101	1843 701	9606.E NSP00 000269 571	9606.ENS P0000024 4137	0	0	0	0	0	0	0.825	0.825

MYC	DEF B1	1856 789	1847 869	9606.E NSP00 000367 207	9606.ENS P0000029 7439	0	0	0	0	0	0	0.824	0.824
BMP 7	CD3 6	1858 342	1849 038	9606.E NSP00 000379 204	9606.ENS P0000030 8165	0	0	0	0	0	0	0.824	0.824
FYB	NCK 1	1861 668	1847 149	9606.E NSP00 000425 845	9606.ENS P0000028 8986	0	0	0	0	0	0.659	0.506	0.824
PFKP	FBP1	1857 335	1856 276	9606.E NSP00 000370 517	9606.ENS P0000036 4475	0.077	0	0	0	0	0	0.817	0.824
FGF9	GJA1	1857 512	1846 806	9606.E NSP00 000371 790	9606.ENS P0000028 2561	0	0	0	0	0	0	0.824	0.824
NR1I 3	CYP 2B6	1854 699	1850 664	9606.E NSP00 000356 958	9606.ENS P0000032 4648	0	0	0	0	0	0	0.824	0.824

PRO M1	IGFB P3	1861 160	1857 331	9606.E NSP00 000415 481	9606.ENS P0000037 0473	0	0	0	0	0	0	0.824	0.824
KCN J1	CLC NKB	1858 031	1856 357	9606.E NSP00 000376 432	9606.ENS P0000036 4831	0	0	0	0	0	0	0.823	0.823
ITGA 4	ITGB 2	1858 446	1848 511	9606.E NSP00 000380 227	9606.ENS P0000030 3242	0	0	0	0	0	0	0.736	0.823
ASP M	KIF1 1	1854 584	1844 817	9606.E NSP00 000356 379	9606.ENS P0000026 0731	0	0	0	0	0.736	0	0.358	0.823
ITGA 5	LAM B4	1847 411	1842 428	9606.E NSP00 000293 379	9606.ENS P0000020 5386	0	0	0	0	0	0	0.147	0.822
CEP5 5	FBL N5	1855 493	1852 883	9606.E NSP00 000360 540	9606.ENS P0000034 5008	0	0	0	0	0	0	0.822	0.822

CD27	CD4	1845 882	1842 167	9606.E NSP00 000266 557	9606.ENS P0000001 1653	0	0	0	0	0	0	0.821	0.821
TOP2 A	RRM 2	1860 923	1854 033	9606.E NSP00 000411 532	9606.ENS P0000035 3770	0.07	0	0	0	0.2	0	0.778	0.821
ACA N	HEY 1	1859 267	1852 090	9606.E NSP00 000387 356	9606.ENS P0000033 8272	0	0	0	0	0	0	0.821	0.821
LOX L2	CCN D1	1857 798	1843 117	9606.E NSP00 000373 783	9606.ENS P0000022 7507	0	0	0	0	0	0	0.821	0.821
WT1	NTR K2	1851 331	1846 523	9606.E NSP00 000331 327	9606.ENS P0000027 7120	0	0	0	0	0	0	0.821	0.821
GRI K3	GRI K5	1855 828	1845 238	9606.E NSP00 000362 183	9606.ENS P0000026 2895	0	0	0	0.922	0	0.602	0.784	0.821

NED D4L	KIT	1858 810	1847 112	9606.E NSP00 000383 199	9606.ENS P0000028 8135	0	0	0	0	0	0.089	0.1	0.821
FGF R2	NED D4L	1860 837	1858 810	9606.E NSP00 000410 294	9606.ENS P0000038 3199	0	0	0	0	0	0.109	0.081	0.821
DAC H1	ERB B2	1848 693	1846 101	9606.E NSP00 000304 994	9606.ENS P0000026 9571	0	0	0	0	0	0.254	0.769	0.821
WFD C2	EGF R	1855 731	1846 445	9606.E NSP00 000361 761	9606.ENS P0000027 5493	0	0	0	0	0	0	0.82	0.82
BIRC 3	SER PINE 1	1845 359	1842 959	9606.E NSP00 000263 464	9606.ENS P0000022 3095	0	0	0	0	0	0	0.82	0.82
NED D4L	CSF1 R	1858 810	1847 002	9606.E NSP00 000383 199	9606.ENS P0000028 6301	0	0	0	0	0	0.089	0.092	0.82

DNA H11	CEN PE	1851 276	1845 701	9606.E NSP00 000330 671	9606.ENS P0000026 5148	0	0	0	0	0	0.667	0.482	0.82
PRO M1	KIT	1861 160	1847 112	9606.E NSP00 000415 481	9606.ENS P0000028 8135	0	0	0	0	0	0	0.82	0.82
MMP 9	CAV 1	1855 661	1852 186	9606.E NSP00 000361 405	9606.ENS P0000033 9191	0	0	0	0	0	0	0.819	0.82
SCI MP	CD3 7	1863 589	1850 765	9606.E NSP00 000461 269	9606.ENS P0000032 5708	0	0	0	0	0	0	0.82	0.82
TLR2	DCN	1844 747	1842 218	9606.E NSP00 000260 010	9606.ENS P0000005 2754	0	0	0	0.643	0	0	0.305	0.819
PRT G	NTN G1	1857 812	1855 169	9606.E NSP00 000373 937	9606.ENS P0000035 9085	0	0	0	0	0	0.339	0.737	0.819

VWF	PRO C	1844 904	1843 382	9606.E NSP00 000261 405	9606.ENS P0000023 4071	0	0	0	0	0	0	0.819	0.819
HSP B8	CCN D1	1846 754	1843 117	9606.E NSP00 000281 938	9606.ENS P0000022 7507	0	0	0	0	0	0	0.819	0.819
STC2	HMO X1	1845 688	1842 546	9606.E NSP00 000265 087	9606.ENS P0000021 6117	0	0	0	0	0	0	0.819	0.819
NOS 1	SER PINE 1	1852 004	1842 959	9606.E NSP00 000337 459	9606.ENS P0000022 3095	0	0	0	0	0	0	0.818	0.818
IKZF 3	IKZF 1	1852 827	1851 367	9606.E NSP00 000344 544	9606.ENS P0000033 1614	0	0	0	0.95	0	0.809	0.962	0.818
VEG FA	CEP5 5	1855 611	1855 493	9606.E NSP00 000361 125	9606.ENS P0000036 0540	0	0	0	0	0	0	0.818	0.818



ABLI M3	RAC 2	1849 284	1843 949	9606.E NSP00 000310 309	9606.ENS P0000024 9071	0	0	0	0	0	0	0.131	0.818
RRM 2	ASF1 B	1854 033	1845 347	9606.E NSP00 000353 770	9606.ENS P0000026 3382	0	0	0	0	0.444	0.673	0.08	0.818
CCN B2	DLG AP5	1847 117	1843 859	9606.E NSP00 000288 207	9606.ENS P0000024 7191	0	0	0	0	0.186	0	0.786	0.818
CGN	CCN D1	1846 205	1843 117	9606.E NSP00 000271 636	9606.ENS P0000022 7507	0	0	0	0	0	0	0.817	0.817
NED D4L	KDR	1858 810	1845 437	9606.E NSP00 000383 199	9606.ENS P0000026 3923	0	0	0	0	0	0.089	0.081	0.817
GAT A3	AQP 2	1857 010	1842 380	9606.E NSP00 000368 632	9606.ENS P0000019 9280	0	0	0	0	0	0	0.817	0.817

EMX 2	EGF R	1854 975	1846 445	9606.E NSP00 000358 202	9606.ENS P0000027 5493	0	0	0	0	0	0	0.817	0.817
MYC	OVO L1	1856 789	1852 049	9606.E NSP00 000367 207	9606.ENS P0000033 7862	0	0	0	0	0	0	0.817	0.817
IRF6	OVO L1	1854 497	1852 049	9606.E NSP00 000355 988	9606.ENS P0000033 7862	0	0	0	0	0	0	0.817	0.817
NED D4L	FLT1	1858 810	1846 791	9606.E NSP00 000383 199	9606.ENS P0000028 2397	0	0	0	0	0	0.089	0.081	0.817
CLD N10	CLD N8	1848 052	1847 039	9606.E NSP00 000299 339	9606.ENS P0000028 6809	0	0	0	0.854	0	0	0.584	0.816
FOX M1	DAC H1	1852 579	1848 693	9606.E NSP00 000342 307	9606.ENS P0000030 4994	0	0	0	0	0	0	0.815	0.815

HOX D8	PRO X1	1849 829	1844 915	9606.E NSP00 000315 949	9606.ENS P0000026 1454	0	0	0	0	0	0	0.815	0.815
MYC	GPR 65	1856 789	1845 954	9606.E NSP00 000367 207	9606.ENS P0000026 7549	0	0	0	0	0	0	0.815	0.815
ITGA 4	COL 4A1	1858 446	1856 385	9606.E NSP00 000380 227	9606.ENS P0000036 4979	0	0	0	0	0	0	0.113	0.815
PHK A2	PPP1 R3C	1857 119	1843 508	9606.E NSP00 000369 274	9606.ENS P0000023 8994	0	0	0	0	0	0	0.113	0.815
ACA N	DCN	1859 267	1842 218	9606.E NSP00 000387 356	9606.ENS P0000005 2754	0	0	0	0	0	0	0.815	0.815
TLR2	HSP A2	1844 747	1843 861	9606.E NSP00 000260 010	9606.ENS P0000024 7207	0	0	0	0	0	0.081	0.075	0.815

CLD N10	CLD N19	1848 052	1847 719	9606.E NSP00 000299 339	9606.ENS P0000029 6387	0	0	0	0.896	0	0	0.7	0.814
C10o rf10	SER PINE 1	1847 947	1842 959	9606.E NSP00 000298 295	9606.ENS P0000022 3095	0	0	0	0	0	0	0.814	0.814
KLK 1	KNG 1	1848 291	1845 668	9606.E NSP00 000301 420	9606.ENS P0000026 5023	0	0	0	0	0	0.576	0.58	0.814
KCN J1	WN K3	1858 031	1853 080	9606.E NSP00 000376 432	9606.ENS P0000034 6667	0	0	0	0	0	0.101	0.802	0.814
PTG S2	ERB B4	1854 602	1852 571	9606.E NSP00 000356 438	9606.ENS P0000034 2235	0	0	0	0	0	0	0.813	0.814
CAV 1	FLT1	1852 186	1846 791	9606.E NSP00 000339 191	9606.ENS P0000028 2397	0	0	0	0	0	0	0.814	0.814

CAV 1	EHD 2	1852 186	1845 326	9606.E NSP00 000339 191	9606.ENS P0000026 3277	0	0	0	0	0.084	0	0.805	0.814
CAS P1	BIRC 3	1860 827	1845 359	9606.E NSP00 000410 076	9606.ENS P0000026 3464	0	0	0	0	0	0.623	0.528	0.814
CKM T2	LDH B	1844 264	1843 197	9606.E NSP00 000254 035	9606.ENS P0000022 9319	0	0	0	0	0	0	0.814	0.814
CAL U	EGF R	1861 478	1846 445	9606.E NSP00 000420 381	9606.ENS P0000027 5493	0	0	0	0	0	0.644	0.501	0.814
ITGA 4	ICA M1	1858 446	1845 628	9606.E NSP00 000380 227	9606.ENS P0000026 4832	0	0	0	0	0	0	0.814	0.814
PRO S1	SER PINA 5	1858 171	1851 559	9606.E NSP00 000377 783	9606.ENS P0000033 3203	0	0	0	0	0	0	0.104	0.813

ICA M1	VWF	1845 628	1844 904	9606.E NSP00 000264 832	9606.ENS P0000026 1405	0	0	0	0	0	0	0.813	0.813
MET	FGF1 1	1849 944	1847 442	9606.E NSP00 000317 272	9606.ENS P0000029 3829	0	0	0	0	0	0	0.105	0.813
CDK 1	HEP ACA M2	1858 283	1858 203	9606.E NSP00 000378 699	9606.ENS P0000037 7980	0	0	0	0	0	0	0.813	0.813
TGM 2	TNF RSF1 0B	1854 355	1846 494	9606.E NSP00 000355 330	9606.ENS P0000027 6431	0	0	0	0	0	0	0.813	0.813
FBP1	PCK 2	1856 276	1842 620	9606.E NSP00 000364 475	9606.ENS P0000021 6780	0	0	0	0	0.07	0	0.807	0.813
ACT G2	COR O1A	1847 542	1842 723	9606.E NSP00 000295 137	9606.ENS P0000021 9150	0	0	0	0	0.089	0.364	0.703	0.812

TNN T2	DLL 4	1854 566	1843 973	9606.E NSP00 000356 286	9606.ENS P0000024 9749	0	0	0	0	0	0	0.812	0.812
CCL 5	CD4	1847 396	1842 167	9606.E NSP00 000293 272	9606.ENS P0000001 1653	0	0	0	0	0	0	0.812	0.812
EZH 2	ABC B1	1850 211	1845 794	9606.E NSP00 000320 147	9606.ENS P0000026 5724	0	0	0	0	0	0	0.812	0.812
FGF R2	PDG FD	1860 837	1858 075	9606.E NSP00 000410 294	9606.ENS P0000037 6865	0	0	0	0	0	0	0.101	0.812
CYP 17A1	C10o rf10	1855 129	1847 947	9606.E NSP00 000358 903	9606.ENS P0000029 8295	0	0	0	0	0	0	0.812	0.812
CXC R4	CCL 18	1859 216	1842 123	9606.E NSP00 000386 884	9606.ENS P0000000 4921	0	0	0	0	0	0	0.101	0.812

ANG PTL4	TRIB 3	1848 295	1842 649	9606.E NSP00 000301 455	9606.ENS P0000021 7233	0	0	0	0	0	0	0.812	0.812
BMP 7	APL N	1858 342	1848 734	9606.E NSP00 000379 204	9606.ENS P0000030 5464	0	0	0	0	0	0	0.812	0.812
PDG FD	MET	1858 075	1849 944	9606.E NSP00 000376 865	9606.ENS P0000031 7272	0	0	0	0	0	0	0.102	0.812
CDK 1	EPB4 1	1858 283	1852 914	9606.E NSP00 000378 699	9606.ENS P0000034 5259	0	0	0	0	0	0	0.812	0.812
ALB	CP	1847 637	1845 575	9606.E NSP00 000295 897	9606.ENS P0000026 4613	0	0	0	0	0	0	0.811	0.811
FBP1	PCK 1	1856 276	1850 185	9606.E NSP00 000364 475	9606.ENS P0000031 9814	0	0	0	0	0.07	0	0.805	0.811



CLD N19	CLD N8	1847 719	1847 039	9606.E NSP00 000296 387	9606.ENS P0000028 6809	0	0	0	0.903	0	0	0.625	0.811
MMP 9	COL 1A1	1855 661	1843 064	9606.E NSP00 000361 405	9606.ENS P0000022 5964	0	0	0	0	0.101	0.57	0.55	0.811
PDG FD	CSF1 R	1858 075	1847 002	9606.E NSP00 000376 865	9606.ENS P0000028 6301	0	0	0	0	0	0	0.097	0.811
SCI MP	CD5 3	1863 589	1846 188	9606.E NSP00 000461 269	9606.ENS P0000027 1324	0	0	0	0	0	0	0.81	0.81
EZH 2	AXL	1850 211	1848 254	9606.E NSP00 000320 147	9606.ENS P0000030 1178	0	0	0	0	0	0	0.81	0.81
ABC A1	TGF B1	1856 172	1842 869	9606.E NSP00 000363 868	9606.ENS P0000022 1930	0	0	0	0	0	0	0.809	0.81

HIST 1H2B H	HIST 1H3 B	1853 333	1843 731	9606.E NSP00 000348 706	9606.ENS P0000024 4661	0	0	0	0	0.152	0.297	0.706	0.81
KDR	VWF	1845 437	1844 904	9606.E NSP00 000263 923	9606.ENS P0000026 1405	0	0	0	0	0	0	0.81	0.81
MET	SLC3 9A14	1849 944	1847 196	9606.E NSP00 000317 272	9606.ENS P0000028 9952	0	0	0	0	0	0	0.81	0.81
NPH S1	CDH 3	1856 951	1845 457	9606.E NSP00 000368 190	9606.ENS P0000026 4012	0	0	0	0	0	0	0.808	0.809
PXK	EGF R	1853 305	1846 445	9606.E NSP00 000348 472	9606.ENS P0000027 5493	0	0	0	0	0	0	0.809	0.809
G6P C	ALD OC	1844 254	1843 081	9606.E NSP00 000253 801	9606.ENS P0000022 6253	0	0	0	0	0	0	0.088	0.809

PGF	NRP 2	1862 737	1854 002	9606.E NSP00 000451 040	9606.ENS P0000035 3582	0	0	0	0	0	0.576	0.57	0.809
FOX M1	CAV 1	1852 579	1852 186	9606.E NSP00 000342 307	9606.ENS P0000033 9191	0	0	0	0	0	0	0.808	0.808
ESR RG	PLK 2	1859 115	1846 372	9606.E NSP00 000386 171	9606.ENS P0000027 4289	0	0	0	0	0	0	0.808	0.808
MAP K10	MEC OM	1853 804	1845 593	9606.E NSP00 000352 157	9606.ENS P0000026 4674	0	0	0	0	0	0.079	0.043	0.808
WT1	NDR G2	1851 331	1847 981	9606.E NSP00 000331 327	9606.ENS P0000029 8687	0	0	0	0	0	0	0.807	0.807
PAR VG	ITG A5	1859 564	1847 411	9606.E NSP00 000391 453	9606.ENS P0000029 3379	0	0	0	0	0	0	0.071	0.806

BMP 7	SUL FI	1858 342	1844 757	9606.E NSP00 000379 204	9606.ENS P0000026 0128	0	0	0	0	0	0	0.806	0.806
COL 1A1	DCN	1843 064	1842 218	9606.E NSP00 000225 964	9606.ENS P0000005 2754	0	0	0	0	0.159	0.576	0.501	0.806
SELP LG	HMO X1	1843 143	1842 546	9606.E NSP00 000228 463	9606.ENS P0000021 6117	0	0	0	0	0	0	0.806	0.806
GAB RA2	GAB ARA PL1	1853 367	1845 870	9606.E NSP00 000348 897	9606.ENS P0000026 6458	0	0	0	0	0	0	0.072	0.806
EHF	EZH 2	1862 015	1850 211	9606.E NSP00 000435 835	9606.ENS P0000032 0147	0	0	0	0	0	0	0.806	0.806
ALD OB	ALD OC	1856 191	1843 081	9606.E NSP00 000363 988	9606.ENS P0000022 6253	0	0	0.527	0.979	0	0	0.758	0.805

ABC G1	CAV 1	1854 276	1852 186	9606.E NSP00 000354 995	9606.ENS P0000033 9191	0	0	0	0	0	0	0.805	0.805
PTH LH	MYC	1858 343	1856 789	9606.E NSP00 000379 213	9606.ENS P0000036 7207	0	0	0	0	0	0	0.804	0.805
FLT1	EGF	1846 791	1845 705	9606.E NSP00 000282 397	9606.ENS P0000026 5171	0	0	0	0	0	0	0.069	0.805
NED D4L	SLC9 A3	1858 810	1845 649	9606.E NSP00 000383 199	9606.ENS P0000026 4938	0	0	0	0	0.077	0.576	0.542	0.805
TTK	KIF1 1	1855 108	1844 817	9606.E NSP00 000358 813	9606.ENS P0000026 0731	0	0	0	0	0.43	0.513	0.355	0.805
ITGA 4	COL 5A2	1858 446	1856 195	9606.E NSP00 000380 227	9606.ENS P0000036 4000	0	0	0	0	0	0	0.068	0.805

FGF R2	SH3 GL2	1860 837	1857 254	9606.E NSP00 000410 294	9606.ENS P0000036 9981	0	0	0	0	0	0	0.063	0.804
SH3 GL2	FLT1	1857 254	1846 791	9606.E NSP00 000369 981	9606.ENS P0000028 2397	0	0	0	0	0	0	0.063	0.804
REC QL	ASF1 B	1859 865	1845 347	9606.E NSP00 000395 449	9606.ENS P0000026 3382	0	0	0	0	0	0.699	0.378	0.804
ABC A1	FGF1	1856 172	1852 115	9606.E NSP00 000363 868	9606.ENS P0000033 8548	0	0	0	0	0	0	0.804	0.804
FN1	ABC A12	1853 098	1846 282	9606.E NSP00 000346 839	9606.ENS P0000027 2895	0	0	0	0	0	0	0.804	0.804
PHK A2	PPP1 R3B	1857 119	1849 055	9606.E NSP00 000369 274	9606.ENS P0000030 8318	0	0	0	0	0	0	0.064	0.804

EHF	TNF RSF1 0B	1862 015	1846 494	9606.E NSP00 000435 835	9606.ENS P0000027 6431	0	0	0	0	0	0	0.804	0.804
PTG S2	RAC 2	1854 602	1843 949	9606.E NSP00 000356 438	9606.ENS P0000024 9071	0	0	0	0	0	0	0.804	0.804
SH3 GL2	KIT	1857 254	1847 112	9606.E NSP00 000369 981	9606.ENS P0000028 8135	0	0	0	0	0	0	0.063	0.804
SH3 GL2	KDR	1857 254	1845 437	9606.E NSP00 000369 981	9606.ENS P0000026 3923	0	0	0	0	0	0	0.063	0.804
SH3 GL2	CSF1 R	1857 254	1847 002	9606.E NSP00 000369 981	9606.ENS P0000028 6301	0	0	0	0	0	0	0.063	0.804
SCN N1A	SLC2 6A4	1853 964	1845 790	9606.E NSP00 000353 292	9606.ENS P0000026 5715	0	0	0	0	0	0	0.803	0.803

HOX D8	ANG PT2	1849 829	1849 738	9606.E NSP00 000315 949	9606.ENS P0000031 4897	0	0	0	0	0	0	0.803	0.803
CDK 1	BRC A2	1858 283	1857 163	9606.E NSP00 000378 699	9606.ENS P0000036 9497	0	0	0	0	0	0.576	0.556	0.803
CD86	FSTL 1	1851 423	1847 596	9606.E NSP00 000332 049	9606.ENS P0000029 5633	0	0	0	0	0	0	0.803	0.803
FRE M1	TIM P1	1857 300	1842 705	9606.E NSP00 000370 262	9606.ENS P0000021 8388	0	0	0	0	0	0	0.803	0.803
IGFB P3	HOX D10	1857 331	1843 966	9606.E NSP00 000370 473	9606.ENS P0000024 9501	0	0	0	0	0	0	0.803	0.803
CLD N19	EGF	1847 719	1845 705	9606.E NSP00 000296 387	9606.ENS P0000026 5171	0	0	0	0	0	0	0.803	0.803



BIRC 3	TNF AIP3	1845 359	1843 455	9606.E NSP00 000263 464	9606.ENS P0000023 7289	0	0	0	0	0	0.566	0.566	0.803
KIT	EGF	1847 112	1845 705	9606.E NSP00 000288 135	9606.ENS P0000026 5171	0	0	0	0	0	0	0.053	0.802
PIK3 CG	THR B	1853 801	1853 357	9606.E NSP00 000352 121	9606.ENS P0000034 8827	0	0	0	0	0	0	0.053	0.802
VEG FA	HOM ER1	1855 611	1851 715	9606.E NSP00 000361 125	9606.ENS P0000033 4382	0	0	0	0	0	0	0.802	0.802
ERB B4	DAC H1	1852 571	1848 693	9606.E NSP00 000342 235	9606.ENS P0000030 4994	0	0	0	0	0	0.254	0.745	0.802
ITGA 4	LAM C2	1858 446	1845 485	9606.E NSP00 000380 227	9606.ENS P0000026 4144	0	0	0	0	0	0	0.052	0.802

TRP M3	TRP V5	1856 613	1845 722	9606.E NSP00 000366 314	9606.ENS P0000026 5310	0	0	0	0	0	0	0.801	0.801
NR0 B2	SER PINE 1	1844 279	1842 959	9606.E NSP00 000254 227	9606.ENS P0000022 3095	0	0	0	0	0	0	0.801	0.801
P2R X7	FSTL 1	1862 216	1847 596	9606.E NSP00 000442 349	9606.ENS P0000029 5633	0	0	0	0	0	0	0.8	0.8
PLC L1	GAB RA2	1860 372	1853 367	9606.E NSP00 000402 861	9606.ENS P0000034 8897	0	0	0	0	0	0	0	0.8
PLA2 G4F	CHD H	1857 523	1850 189	9606.E NSP00 000371 833	9606.ENS P0000031 9851	0	0	0	0	0	0	0	0.8
FOX M1	BRIP 1	1852 579	1844 657	9606.E NSP00 000342 307	9606.ENS P0000025 9008	0	0	0	0	0	0	0.8	0.8

ABC A1	IRF6	1856 172	1854 497	9606.E NSP00 000363 868	9606.ENS P0000035 5988	0	0	0	0	0	0	0.8	0.8
CGN	MYH 10	1846 205	1846 079	9606.E NSP00 000271 636	9606.ENS P0000026 9243	0	0	0	0.618	0	0	0.053	0.8
BUB 1	CCN B2	1848 415	1847 117	9606.E NSP00 000302 530	9606.ENS P0000028 8207	0	0	0	0	0.171	0.217	0.717	0.8
SLC5 A2	TGF B1	1850 973	1842 869	9606.E NSP00 000327 943	9606.ENS P0000022 1930	0	0	0	0	0	0	0.8	0.8
CHD H	MBO AT2	1850 189	1848 380	9606.E NSP00 000319 851	9606.ENS P0000030 2177	0	0	0	0	0	0	0	0.8
GJA1	TUB B2B	1846 806	1844 727	9606.E NSP00 000282 561	9606.ENS P0000025 9818	0	0	0	0	0	0	0	0.8

EGF	KDR	1845 705	1845 437	9606.E NSP00 000265 171	9606.ENS P0000026 3923	0	0	0	0	0	0	0.041	0.8
IDO1	PRD M1	1861 841	1854 949	9606.E NSP00 000430 505	9606.ENS P0000035 8092	0	0	0	0	0	0	0.8	0.8
PGF	ITG AL	1862 737	1853 413	9606.E NSP00 000451 040	9606.ENS P0000034 9252	0	0	0	0	0	0	0.8	0.8
FGF R2	EGF	1860 837	1845 705	9606.E NSP00 000410 294	9606.ENS P0000026 5171	0	0	0	0	0	0	0	0.8
CTSS	IL10 RA	1854 929	1843 125	9606.E NSP00 000357 981	9606.ENS P0000022 7752	0	0	0	0	0	0	0	0.8
CTSS	FAM 57A	1854 929	1849 484	9606.E NSP00 000357 981	9606.ENS P0000031 2017	0	0	0	0	0	0	0.8	0.8

ITGA 4	LAM B4	1858 446	1842 428	9606.E NSP00 000380 227	9606.ENS P0000020 5386	0	0	0	0	0	0	0	0.8
EGF	DCN	1845 705	1842 218	9606.E NSP00 000265 171	9606.ENS P0000005 2754	0	0	0	0	0	0	0.8	0.8
PAR VG	ITG A4	1859 564	1858 446	9606.E NSP00 000391 453	9606.ENS P0000038 0227	0	0	0	0	0	0	0	0.8
CSF1 R	EGF	1847 002	1845 705	9606.E NSP00 000286 301	9606.ENS P0000026 5171	0	0	0	0	0	0	0	0.8
MET	EGF	1849 944	1845 705	9606.E NSP00 000317 272	9606.ENS P0000026 5171	0	0	0	0	0	0	0	0.8
KL	MIO X	1857 155	1842 540	9606.E NSP00 000369 442	9606.ENS P0000021 6075	0	0	0	0	0	0	0	0.8

SLC2 2A12	LOX	1856 708	1843 271	9606.E NSP00 000366 797	9606.ENS P0000023 1004	0	0	0	0	0	0	0.8	0.8
MMP 9	HOX A2	1855 661	1842 936	9606.E NSP00 000361 405	9606.ENS P0000022 2718	0	0	0	0	0	0	0.8	0.8
SH3 GL2	ERB B4	1857 254	1852 571	9606.E NSP00 000369 981	9606.ENS P0000034 2235	0	0	0	0	0	0	0	0.8
NOS 1	SLC2 6A4	1852 004	1845 790	9606.E NSP00 000337 459	9606.ENS P0000026 5715	0	0	0	0	0.093	0	0.788	0.799
CAV 1	RAC 2	1852 186	1843 949	9606.E NSP00 000339 191	9606.ENS P0000024 9071	0	0	0	0	0	0	0.799	0.799
TOP2 A	BUB 1	1860 923	1848 415	9606.E NSP00 000411 532	9606.ENS P0000030 2530	0	0	0	0	0.58	0	0.539	0.798

CDK 18	CDC 6	1861 603	1842 453	9606.E NSP00 000423 665	9606.ENS P0000020 9728	0	0	0	0	0.092	0.574	0.519	0.798
P2R X7	CAV 1	1862 216	1852 186	9606.E NSP00 000442 349	9606.ENS P0000033 9191	0	0	0	0	0	0	0.797	0.798
PRC1	CCN A2	1858 173	1846 354	9606.E NSP00 000377 793	9606.ENS P0000027 4026	0	0	0	0	0.252	0.583	0.398	0.796
CDK 1	SPA G5	1858 283	1850 533	9606.E NSP00 000378 699	9606.ENS P0000032 3300	0	0	0	0	0.136	0.576	0.235	0.796
ITGA 4	HMO X1	1858 446	1842 546	9606.E NSP00 000380 227	9606.ENS P0000021 6117	0	0	0	0	0	0	0.796	0.796
KIF2 0A	BUB 1	1858 244	1848 415	9606.E NSP00 000378 356	9606.ENS P0000030 2530	0	0	0	0	0.559	0.241	0.441	0.796

MET	TNF RSF1 0B	1849 944	1846 494	9606.E NSP00 000317 272	9606.ENS P0000027 6431	0	0	0	0	0	0	0.796	0.796
MMP 9	VCA N	1855 661	1845 684	9606.E NSP00 000361 405	9606.ENS P0000026 5077	0	0	0	0	0	0.576	0.537	0.795
SMC 4	CDC 6	1852 454	1842 453	9606.E NSP00 000341 382	9606.ENS P0000020 9728	0	0	0	0	0.157	0.717	0.212	0.795
TRP M3	TRP V6	1856 613	1853 837	9606.E NSP00 000366 314	9606.ENS P0000035 2358	0	0	0	0	0	0	0.795	0.795
PLG	CP	1849 130	1845 575	9606.E NSP00 000308 938	9606.ENS P0000026 4613	0	0	0	0	0.115	0.576	0.5	0.795
ATA D5	ESC O2	1849 606	1848 903	9606.E NSP00 000313 171	9606.ENS P0000030 6999	0	0	0	0	0.157	0.73	0.168	0.794



SCN N1A	CAV 1	1853 964	1852 186	9606.E NSP00 000353 292	9606.ENS P0000033 9191	0	0	0	0	0	0	0.794	0.794
HEY 1	WT1	1852 090	1851 331	9606.E NSP00 000338 272	9606.ENS P0000033 1327	0	0	0	0	0	0	0.794	0.794
TOP2 A	TYM S	1860 923	1849 803	9606.E NSP00 000411 532	9606.ENS P0000031 5644	0	0	0	0	0.113	0	0.777	0.794
TGM 2	NOS 1	1854 355	1852 004	9606.E NSP00 000355 330	9606.ENS P0000033 7459	0	0	0	0	0	0	0.793	0.793
KIT	GRB 14	1847 112	1845 434	9606.E NSP00 000288 135	9606.ENS P0000026 3915	0	0	0	0	0	0	0.793	0.793
TEN M1	EMX 2	1860 441	1854 975	9606.E NSP00 000403 954	9606.ENS P0000035 8202	0	0	0	0	0	0	0.792	0.793

SLC9 A3	AQP 2	1845 649	1842 380	9606.E NSP00 000264 938	9606.ENS P0000019 9280	0	0	0	0	0.073	0	0.786	0.793
NPH S1	CAV 1	1856 951	1852 186	9606.E NSP00 000368 190	9606.ENS P0000033 9191	0	0	0	0	0	0	0.792	0.792
GAT A3	NOS 1	1857 010	1852 004	9606.E NSP00 000368 632	9606.ENS P0000033 7459	0	0	0	0	0	0	0.792	0.792
EYA 4	ERB B4	1853 153	1852 571	9606.E NSP00 000347 294	9606.ENS P0000034 2235	0	0	0	0	0	0.222	0.743	0.792
SLC3 0A2	SLC3 9A14	1856 082	1847 196	9606.E NSP00 000363 394	9606.ENS P0000028 9952	0	0	0	0	0	0.103	0.777	0.792
CAV 1	SLC9 A3	1852 186	1845 649	9606.E NSP00 000339 191	9606.ENS P0000026 4938	0	0	0	0	0	0	0.792	0.792

ASF1 B	DCL K1	1845 347	1844 379	9606.E NSP00 000263 382	9606.ENS P0000025 5448	0	0	0	0	0	0.597	0.505	0.792
EYA 4	ERB B2	1853 153	1846 101	9606.E NSP00 000347 294	9606.ENS P0000026 9571	0	0	0	0	0	0.222	0.743	0.791
LOX	COL 1A1	1843 271	1843 064	9606.E NSP00 000231 004	9606.ENS P0000022 5964	0	0	0	0	0.113	0.566	0.502	0.791
EYA 4	EGF R	1853 153	1846 445	9606.E NSP00 000347 294	9606.ENS P0000027 5493	0	0	0	0	0	0.222	0.743	0.791
CYB B	SCN N1G	1856 898	1848 129	9606.E NSP00 000367 851	9606.ENS P0000030 0061	0	0	0	0	0	0	0.791	0.791
KCN J10	CAV 1	1854 726	1852 186	9606.E NSP00 000357 068	9606.ENS P0000033 9191	0	0	0	0	0	0	0.79	0.79

KIF1 3B	ADA P2	1861 724	1851 153	9606.E NSP00 000427 900	9606.ENS P0000032 9468	0	0	0	0	0	0	0.79	0.79
CXC R4	TLR 3	1859 216	1847 791	9606.E NSP00 000386 884	9606.ENS P0000029 6795	0	0	0	0	0	0	0.79	0.79
CDK 1	PPP1 R1A	1858 283	1844 552	9606.E NSP00 000378 699	9606.ENS P0000025 7905	0	0	0	0	0	0	0.789	0.789
CYB B	SCN N1A	1856 898	1853 964	9606.E NSP00 000367 851	9606.ENS P0000035 3292	0	0	0	0	0	0	0.789	0.789
CAV 1	SLC1 4A2	1852 186	1844 366	9606.E NSP00 000339 191	9606.ENS P0000025 5226	0	0	0	0	0	0	0.789	0.789
ACT G2	PFN2	1847 542	1843 544	9606.E NSP00 000295 137	9606.ENS P0000023 9940	0	0	0	0	0	0.301	0.708	0.787

ATP6 VOA 4	ATP 12A	1844 258	1842 709	9606.E NSP00 000253 856	9606.ENS P0000021 8548	0	0	0	0	0.08	0.102	0.762	0.786
ENO 2	PYG L	1843 192	1842 591	9606.E NSP00 000229 277	9606.ENS P0000021 6392	0	0	0	0	0.736	0	0.226	0.786
CEN PE	KIF1 1	1845 701	1844 817	9606.E NSP00 000265 148	9606.ENS P0000026 0731	0	0	0	0.667	0.462	0.464	0.877	0.786
SLC2 2A8	ABC A8	1851 983	1846 060	9606.E NSP00 000337 335	9606.ENS P0000026 9080	0	0	0	0	0	0	0.785	0.785
COL 4A1	DCN	1856 385	1842 218	9606.E NSP00 000364 979	9606.ENS P0000005 2754	0	0	0	0	0.07	0.566	0.265	0.784
ITGA L	ITG A5	1853 413	1847 411	9606.E NSP00 000349 252	9606.ENS P0000029 3379	0	0	0	0.626	0	0	0.634	0.784

FCE RIG	TYR OBP	1847 193	1845 185	9606.E NSP00 000289 902	9606.ENS P0000026 2629	0	0	0	0	0.179	0	0.747	0.783
CTH	CNT N1	1855 373	1850 758	9606.E NSP00 000359 976	9606.ENS P0000032 5660	0	0	0	0	0	0	0.783	0.783
PTG S2	PEP D	1854 602	1843 701	9606.E NSP00 000356 438	9606.ENS P0000024 4137	0	0	0	0	0	0	0.782	0.782
LIC AM	SEM A6D	1855 168	1850 688	9606.E NSP00 000359 074	9606.ENS P0000032 4857	0	0	0	0	0	0	0.782	0.782
TFA P2A	SCA RB1	1857 061	1844 967	9606.E NSP00 000368 924	9606.ENS P0000026 1693	0	0	0	0	0	0	0.781	0.781
TFA P2A	CD3 6	1857 061	1849 038	9606.E NSP00 000368 924	9606.ENS P0000030 8165	0	0	0	0	0	0	0.781	0.781

SKA 3	PLK 1	1850 147	1848 135	9606.E NSP00 000319 417	9606.ENS P0000030 0093	0	0	0	0	0.195	0	0.104	0.78
EGF R	LGA LS1	1846 445	1842 521	9606.E NSP00 000275 493	9606.ENS P0000021 5909	0	0	0	0	0	0.687	0.324	0.779
NOS 1	SLC3 9A14	1852 004	1847 196	9606.E NSP00 000337 459	9606.ENS P0000028 9952	0	0	0	0	0	0	0.779	0.779
CDK 1	TTK	1858 283	1855 108	9606.E NSP00 000378 699	9606.ENS P0000035 8813	0	0	0	0.685	0.245	0.692	0.318	0.779
GJA1	KCN J2	1846 806	1843 671	9606.E NSP00 000282 561	9606.ENS P0000024 3457	0	0	0	0	0	0	0.778	0.778
SPA G4	SPA G5	1856 080	1850 533	9606.E NSP00 000363 391	9606.ENS P0000032 3300	0	0	0	0	0	0	0.778	0.778

TTK	CEN PE	1855 108	1845 701	9606.E NSP00 000358 813	9606.ENS P0000026 5148	0	0	0	0	0.403	0.163	0.589	0.776
PDH A1	ACL Y	1857 098	1844 250	9606.E NSP00 000369 134	9606.ENS P0000025 3792	0	0	0	0	0.238	0.215	0.654	0.775
SLC2 2A7	SLC O2B 1	1855 714	1847 180	9606.E NSP00 000361 666	9606.ENS P0000028 9575	0	0	0	0	0	0	0.775	0.775
PCK 1	G6P C	1850 185	1844 254	9606.E NSP00 000319 814	9606.ENS P0000025 3801	0	0	0	0	0.099	0	0.76	0.775
LDH B	ENO 2	1843 197	1843 192	9606.E NSP00 000229 319	9606.ENS P0000022 9277	0.074	0	0	0	0.381	0	0.639	0.775
SELE	ITG AX	1851 385	1846 012	9606.E NSP00 000331 736	9606.ENS P0000026 8296	0	0	0	0	0	0	0.775	0.775



NPH S2	WT1	1854 633	1851 331	9606.E NSP00 000356 587	9606.ENS P0000033 1327	0	0	0	0	0	0	0.775	0.775
GPX 2	PRD X4	1857 838	1857 012	9606.E NSP00 000374 265	9606.ENS P0000036 8646	0	0	0	0	0	0.357	0.662	0.773
FAS	CD4	1853 242	1842 167	9606.E NSP00 000347 979	9606.ENS P0000001 1653	0	0	0	0	0	0	0.772	0.772
CDK 1	CEP5 5	1858 283	1855 493	9606.E NSP00 000378 699	9606.ENS P0000036 0540	0	0	0	0	0.161	0.566	0.425	0.772
P2R X7	CAS P1	1862 216	1860 827	9606.E NSP00 000442 349	9606.ENS P0000041 0076	0	0	0	0	0	0	0.771	0.771
ASP M	PLK 1	1854 584	1848 135	9606.E NSP00 000356 379	9606.ENS P0000030 0093	0	0	0	0	0.28	0.576	0.312	0.771

TOP2 A	BUB 1B	1860 923	1847 075	9606.E NSP00 000411 532	9606.ENS P0000028 7598	0	0	0	0	0.587	0	0.47	0.771
CD2	PTP RC	1855 033	1854 576	9606.E NSP00 000358 490	9606.ENS P0000035 6346	0	0	0	0	0	0	0.769	0.77
ABC A1	CD3 6	1856 172	1849 038	9606.E NSP00 000363 868	9606.ENS P0000030 8165	0	0	0	0	0	0	0.77	0.77
SLC1 2A3	CLC NKB	1860 326	1856 357	9606.E NSP00 000402 152	9606.ENS P0000036 4831	0	0	0	0	0	0	0.77	0.77
CDK 1	DLG AP5	1858 283	1843 859	9606.E NSP00 000378 699	9606.ENS P0000024 7191	0	0	0	0	0.257	0.566	0.344	0.769
HK2	PYG L	1847 242	1842 591	9606.E NSP00 000290 573	9606.ENS P0000021 6392	0	0	0	0	0.128	0.418	0.582	0.769

ITGA 5	ITG AX	1847 411	1846 012	9606.E NSP00 000293 379	9606.ENS P0000026 8296	0	0	0	0.629	0	0	0.495	0.769
NUS AP1	PLK 1	1862 836	1848 135	9606.E NSP00 000453 403	9606.ENS P0000030 0093	0	0	0	0	0.696	0	0.268	0.767
CP	PRO C	1845 575	1843 382	9606.E NSP00 000264 613	9606.ENS P0000023 4071	0	0	0	0	0	0.576	0.472	0.766
TRP M3	TRP A1	1856 613	1845 090	9606.E NSP00 000366 314	9606.ENS P0000026 2209	0	0	0	0	0	0	0.765	0.765
ITGA L	ITG AX	1853 413	1846 012	9606.E NSP00 000349 252	9606.ENS P0000026 8296	0	0	0	0.81	0	0	0.87	0.765
RHO BTB 3	ARH GDI B	1857 125	1843 176	9606.E NSP00 000369 318	9606.ENS P0000022 8945	0	0	0	0	0	0.36	0.648	0.765

CAS P1	SER PINB 9	1860 827	1857 270	9606.E NSP00 000410 076	9606.ENS P0000037 0074	0	0	0	0	0	0	0.765	0.765
TRP V5	WN K4	1845 722	1843 844	9606.E NSP00 000265 310	9606.ENS P0000024 6914	0	0	0	0	0	0.149	0.734	0.764
MYC	FOX M1	1856 789	1852 579	9606.E NSP00 000367 207	9606.ENS P0000034 2307	0	0	0	0	0	0.571	0.472	0.763
PRC1	SKA 3	1858 173	1850 147	9606.E NSP00 000377 793	9606.ENS P0000031 9417	0	0	0	0	0.181	0	0.044	0.761
PIK3 CG	RPS6 KA6	1853 801	1845 209	9606.E NSP00 000352 121	9606.ENS P0000026 2752	0	0	0	0	0	0.251	0.694	0.761
LRR N1	PRK AR2 B	1849 739	1845 791	9606.E NSP00 000314 901	9606.ENS P0000026 5717	0	0	0	0	0	0.282	0.68	0.76

LRR C19	PRK AR2 B	1857 142	1845 791	9606.E NSP00 000369 395	9606.ENS P0000026 5717	0	0	0	0	0	0.282	0.68	0.76
CXC R4	CD4	1859 216	1842 167	9606.E NSP00 000386 884	9606.ENS P0000001 1653	0	0	0	0	0	0.576	0.458	0.76
PBX 1	TFA P2A	1860 561	1857 061	9606.E NSP00 000405 890	9606.ENS P0000036 8924	0	0	0	0	0.073	0	0.751	0.76
PRK AR2 B	DCN	1845 791	1842 218	9606.E NSP00 000265 717	9606.ENS P0000005 2754	0	0	0	0	0	0.282	0.68	0.76
LRR C2	PRK AR2 B	1847 688	1845 791	9606.E NSP00 000296 144	9606.ENS P0000026 5717	0	0	0	0	0	0.282	0.68	0.76
CPN 2	PRK AR2 B	1850 148	1845 791	9606.E NSP00 000319 464	9606.ENS P0000026 5717	0	0	0	0	0	0.282	0.68	0.76

LRR N2	PRK AR2 B	1854 535	1845 791	9606.E NSP00 000356 143	9606.ENS P0000026 5717	0	0	0	0	0	0.282	0.68	0.76
DNA H11	KIF1 8A	1851 276	1845 299	9606.E NSP00 000330 671	9606.ENS P0000026 3181	0	0	0	0	0	0.55	0.488	0.759
TRP V6	WN K3	1853 837	1853 080	9606.E NSP00 000352 358	9606.ENS P0000034 6667	0	0	0	0	0	0.091	0.745	0.759
NUF 2	KIF1 1	1846 198	1844 817	9606.E NSP00 000271 452	9606.ENS P0000026 0731	0	0	0	0	0.269	0.266	0.586	0.758
PTPR C	ALB	1854 576	1847 637	9606.E NSP00 000356 346	9606.ENS P0000029 5897	0	0	0	0	0	0	0.757	0.757
NEL L1	ANO 5	1853 472	1849 779	9606.E NSP00 000349 654	9606.ENS P0000031 5371	0	0	0	0	0	0	0.757	0.757

PRO S1	AXL	1858 171	1848 254	9606.E NSP00 000377 783	9606.ENS P0000030 1178	0	0	0	0	0	0	0.757	0.757
HSF4	HSP A2	1845 455	1843 861	9606.E NSP00 000264 009	9606.ENS P0000024 7207	0	0	0	0	0	0.177	0.716	0.756
SLC1 2A3	KCN J1	1860 326	1858 031	9606.E NSP00 000402 152	9606.ENS P0000037 6432	0	0	0	0	0	0	0.756	0.756
KCN J1	SLC9 A3	1858 031	1845 649	9606.E NSP00 000376 432	9606.ENS P0000026 4938	0	0	0	0	0	0	0.755	0.755
APO C1	PEP D	1844 129	1843 701	9606.E NSP00 000252 491	9606.ENS P0000024 4137	0	0	0	0	0	0	0.755	0.755
KL	TRP V5	1857 155	1845 722	9606.E NSP00 000369 442	9606.ENS P0000026 5310	0	0	0	0	0	0.149	0.725	0.755

ACA A1	ACL Y	1851 610	1844 250	9606.E NSP00 000333 664	9606.ENS P0000025 3792	0.181	0	0	0	0.143	0	0.68	0.755
TOP2 A	NEIL 3	1860 923	1845 570	9606.E NSP00 000411 532	9606.ENS P0000026 4596	0	0	0	0	0.07	0	0.748	0.755
SLC1 2A1	BSN D	1857 315	1855 449	9606.E NSP00 000370 381	9606.ENS P0000036 0312	0	0	0	0	0	0	0.753	0.753
ALA D	HPD	1859 146	1847 151	9606.E NSP00 000386 284	9606.ENS P0000028 9004	0	0	0	0	0	0	0.753	0.753
ALB	EGF R	1847 637	1846 445	9606.E NSP00 000295 897	9606.ENS P0000027 5493	0	0	0	0	0	0	0.753	0.753
CDK 18	CDK N3	1861 603	1851 839	9606.E NSP00 000423 665	9606.ENS P0000033 5357	0	0	0	0	0	0.284	0.668	0.752



PTPR C	ITG AL	1854 576	1853 413	9606.E NSP00 000356 346	9606.ENS P0000034 9252	0	0	0	0	0	0.091	0.738	0.752
CAL U	PRK CDB P	1861 478	1848 946	9606.E NSP00 000420 381	9606.ENS P0000030 7292	0	0	0	0	0	0.751	0.046	0.752
FAS	TNF RSF1 0B	1853 242	1846 494	9606.E NSP00 000347 979	9606.ENS P0000027 6431	0	0	0	0.636	0	0.667	0.72	0.752
SLC2 2A8	SLC1 3A3	1851 983	1846 611	9606.E NSP00 000337 335	9606.ENS P0000027 9027	0	0	0	0	0	0	0.752	0.752
MMP 9	SER PINE 1	1855 661	1842 959	9606.E NSP00 000361 405	9606.ENS P0000022 3095	0	0	0	0	0	0	0.751	0.751
SLC3 4A1	SLC9 A3	1850 348	1845 649	9606.E NSP00 000321 424	9606.ENS P0000026 4938	0	0	0	0	0	0	0.751	0.751

SCD 5	ACL Y	1849 862	1844 250	9606.E NSP00 000316 329	9606.ENS P0000025 3792	0	0	0	0	0.235	0	0.687	0.751
CD86	ITG AX	1851 423	1846 012	9606.E NSP00 000332 049	9606.ENS P0000026 8296	0	0	0	0	0	0	0.75	0.75
PLK2	KIF1 1	1846 372	1844 817	9606.E NSP00 000274 289	9606.ENS P0000026 0731	0	0	0	0	0.473	0	0.546	0.75
ANK 3	CNT N3	1846 690	1845 387	9606.E NSP00 000280 772	9606.ENS P0000026 3665	0	0	0	0	0.103	0	0.733	0.75
TRP V5	TRP A1	1845 722	1845 090	9606.E NSP00 000265 310	9606.ENS P0000026 2209	0	0	0	0	0	0	0.75	0.75
FN3 K	LYZ	1848 214	1844 877	9606.E NSP00 000300 784	9606.ENS P0000026 1267	0	0	0	0	0	0	0.75	0.75

MKI 67	CDH 3	1854 841	1845 457	9606.E NSP00 000357 643	9606.ENS P0000026 4012	0	0	0	0	0	0	0.75	0.75
NUS API	PRC 1	1862 836	1858 173	9606.E NSP00 000453 403	9606.ENS P0000037 7793	0	0	0	0	0.26	0	0.516	0.75
EYA 4	TCF2 1	1853 153	1843 456	9606.E NSP00 000347 294	9606.ENS P0000023 7316	0	0	0	0	0	0	0.748	0.748
HCK	PTP RC	1856 392	1854 576	9606.E NSP00 000365 012	9606.ENS P0000035 6346	0	0	0	0	0.071	0.101	0.722	0.748
SCN N1A	SCN 2A	1853 964	1846 845	9606.E NSP00 000353 292	9606.ENS P0000028 3256	0	0	0	0	0	0	0.134	0.747
TLR7	BTK	1857 265	1849 039	9606.E NSP00 000370 034	9606.ENS P0000030 8176	0	0	0	0	0	0.1	0.729	0.747

SLC6 A16	SLC3 6A2	1852 124	1851 696	9606.E NSP00 000338 627	9606.ENS P0000033 4223	0	0	0	0	0	0	0.747	0.747
CDK 1	NCA PG	1858 283	1844 063	9606.E NSP00 000378 699	9606.ENS P0000025 1496	0	0	0	0	0.288	0.569	0.241	0.746
PTPR O	ERB B2	1846 712	1846 101	9606.E NSP00 000281 171	9606.ENS P0000026 9571	0	0	0	0	0	0.355	0.622	0.746
MAP K10	SYT 1	1853 804	1844 863	9606.E NSP00 000352 157	9606.ENS P0000026 1205	0	0	0	0	0.114	0	0.724	0.746
CDK 18	CCN D1	1861 603	1843 117	9606.E NSP00 000423 665	9606.ENS P0000022 7507	0	0	0	0	0	0.36	0.619	0.746
RHC G	ATP 6V0 A4	1845 993	1844 258	9606.E NSP00 000268 122	9606.ENS P0000025 3856	0	0	0	0	0	0	0.745	0.745

GLD C	HAO 2	1857 365	1849 865	9606.E NSP00 000370 737	9606.ENS P0000031 6339	0	0	0	0	0.115	0	0.724	0.745
SLC9 A9	SYT 1	1850 225	1844 863	9606.E NSP00 000320 246	9606.ENS P0000026 1205	0	0	0	0	0	0	0.745	0.745
BUB 1	KIF2 0B	1848 415	1844 820	9606.E NSP00 000302 530	9606.ENS P0000026 0753	0	0	0	0	0.559	0.241	0.298	0.744
PBX 1	TFA P2B	1860 561	1858 114	9606.E NSP00 000405 890	9606.ENS P0000037 7265	0	0	0	0	0.073	0	0.735	0.744
PLA U	ANG PT2	1855 748	1849 738	9606.E NSP00 000361 850	9606.ENS P0000031 4897	0	0	0	0	0	0	0.743	0.743
ANK 2	CNT N3	1853 464	1845 387	9606.E NSP00 000349 588	9606.ENS P0000026 3665	0	0	0	0	0.103	0	0.726	0.743

ANK 2	CNT N1	1853 464	1850 758	9606.E NSP00 000349 588	9606.ENS P0000032 5660	0	0	0	0	0.103	0	0.726	0.743
BST2	PLV AP	1844 139	1844 138	9606.E NSP00 000252 593	9606.ENS P0000025 2590	0	0	0	0	0	0	0.742	0.742
SLC1 2A3	BSN D	1860 326	1855 449	9606.E NSP00 000402 152	9606.ENS P0000036 0312	0	0	0	0	0	0	0.742	0.742
DCX R	SIM2	1848 521	1847 230	9606.E NSP00 000303 356	9606.ENS P0000029 0399	0	0	0	0	0	0	0.742	0.742
SLC3 4A1	STC2	1850 348	1845 688	9606.E NSP00 000321 424	9606.ENS P0000026 5087	0	0	0	0	0	0	0.742	0.742
MAP K10	HSF4	1853 804	1845 455	9606.E NSP00 000352 157	9606.ENS P0000026 4009	0	0	0	0	0	0	0.742	0.742

PDZ D3	SLC3 4A1	1853 209	1850 348	9606.E NSP00 000347 742	9606.ENS P0000032 1424	0	0	0	0	0	0	0.742	0.742
KIF2 0A	KIF1 1	1858 244	1844 817	9606.E NSP00 000378 356	9606.ENS P0000026 0731	0	0	0	0.633	0.656	0	0.691	0.741
ITGA X	TLR 2	1846 012	1844 747	9606.E NSP00 000268 296	9606.ENS P0000026 0010	0	0	0	0	0	0	0.741	0.741
RRM 2	CCN B2	1854 033	1847 117	9606.E NSP00 000353 770	9606.ENS P0000028 8207	0	0	0	0	0.43	0	0.564	0.741
CTSS	KNG 1	1854 929	1845 668	9606.E NSP00 000357 981	9606.ENS P0000026 5023	0	0	0	0	0	0.576	0.414	0.74
NCK APIL	NCK 1	1847 410	1847 149	9606.E NSP00 000293 373	9606.ENS P0000028 8986	0	0	0	0	0	0	0.738	0.738

SELE	ANG PT2	1851 385	1849 738	9606.E NSP00 000331 736	9606.ENS P0000031 4897	0	0	0	0	0	0	0.738	0.738
CD2	CD5 3	1855 033	1846 188	9606.E NSP00 000358 490	9606.ENS P0000027 1324	0	0	0	0	0.088	0.576	0.379	0.738
CCN E2	CDC 6	1849 155	1842 453	9606.E NSP00 000309 181	9606.ENS P0000020 9728	0	0	0	0	0.246	0	0.667	0.738
ACT G2	MYH 10	1847 542	1846 079	9606.E NSP00 000295 137	9606.ENS P0000026 9243	0	0	0	0	0.111	0.345	0.586	0.737
CAS P1	TLR 2	1860 827	1844 747	9606.E NSP00 000410 076	9606.ENS P0000026 0010	0	0	0	0	0	0.102	0.72	0.737
RIM KLA	SLC1 3A3	1861 077	1846 611	9606.E NSP00 000414 330	9606.ENS P0000027 9027	0	0	0	0	0	0	0.737	0.737



SLC1 4A2	AQP 2	1844 366	1842 380	9606.E NSP00 000255 226	9606.ENS P0000019 9280	0	0	0	0	0	0	0.736	0.736
SCN N1G	SCN 2A	1848 129	1846 845	9606.E NSP00 000300 061	9606.ENS P0000028 3256	0	0	0	0	0	0	0.099	0.736
HIST 1H3B	CDC 6	1843 731	1842 453	9606.E NSP00 000244 661	9606.ENS P0000020 9728	0	0	0	0	0	0.708	0.132	0.735
FER MT3	BIN2	1846 622	1845 911	9606.E NSP00 000279 227	9606.ENS P0000026 7012	0	0	0	0	0.095	0	0	0.735
HSD 11B2	HPG D	1849 905	1847 749	9606.E NSP00 000316 786	9606.ENS P0000029 6522	0	0	0.246	0	0	0	0.664	0.735
COL 4A1	MMP 9	1856 385	1855 661	9606.E NSP00 000364 979	9606.ENS P0000036 1405	0	0	0	0	0	0.57	0.409	0.735

MYB L1	PIK3 CG	1861 801	1853 801	9606.E NSP00 000429 633	9606.ENS P0000035 2121	0	0	0	0	0	0.098	0.718	0.735
ALB	PRO C	1847 637	1843 382	9606.E NSP00 000295 897	9606.ENS P0000023 4071	0	0	0	0	0.078	0	0.725	0.735
SCN N1B	SCN 2A	1852 969	1846 845	9606.E NSP00 000345 751	9606.ENS P0000028 3256	0	0	0	0	0	0	0.092	0.734
ALD OB	HPD	1856 191	1847 151	9606.E NSP00 000363 988	9606.ENS P0000028 9004	0	0	0	0	0.181	0	0.689	0.734
GAT A3	LMO 3	1857 010	1849 583	9606.E NSP00 000368 632	9606.ENS P0000031 2856	0	0	0	0	0	0.073	0.722	0.733
ITGA X	CD4	1846 012	1842 167	9606.E NSP00 000268 296	9606.ENS P0000001 1653	0	0	0	0	0	0	0.732	0.732

PLC L1	GAB ARA PL1	1860 372	1845 870	9606.E NSP00 000402 861	9606.ENS P0000026 6458	0	0	0	0	0	0	0.732	0.732
KIT	ITG AX	1847 112	1846 012	9606.E NSP00 000288 135	9606.ENS P0000026 8296	0	0	0	0	0	0	0.731	0.731
KIF2 OB	KIF1 1	1844 820	1844 817	9606.E NSP00 000260 753	9606.ENS P0000026 0731	0	0	0	0.625	0.656	0	0.599	0.731
PRO M1	EPC AM	1861 160	1845 405	9606.E NSP00 000415 481	9606.ENS P0000026 3735	0	0	0	0	0	0	0.73	0.73
ICA M1	SER PINE 1	1845 628	1842 959	9606.E NSP00 000264 832	9606.ENS P0000022 3095	0	0	0	0	0	0	0.73	0.73
FGF R2	TOX 3	1860 837	1842 768	9606.E NSP00 000410 294	9606.ENS P0000021 9746	0	0	0	0	0	0.078	0.72	0.73

PRC1	CCN B2	1858 173	1847 117	9606.E NSP00 000377 793	9606.ENS P0000028 8207	0	0	0	0	0.281	0.243	0.545	0.73
EGF R	BIRC 3	1846 445	1845 359	9606.E NSP00 000275 493	9606.ENS P0000026 3464	0	0	0	0	0	0.571	0.397	0.73
KCN IP1	DPP6	1859 858	1856 752	9606.E NSP00 000395 323	9606.ENS P0000036 7001	0	0	0	0	0	0	0.73	0.73
PTPR C	EPC AM	1854 576	1845 405	9606.E NSP00 000356 346	9606.ENS P0000026 3735	0	0	0	0	0	0	0.73	0.73
IL2R A	ICA M1	1857 121	1845 628	9606.E NSP00 000369 293	9606.ENS P0000026 4832	0	0	0	0	0	0.576	0.389	0.729
NR1I 3	NR0 B2	1854 699	1844 279	9606.E NSP00 000356 958	9606.ENS P0000025 4227	0	0	0	0	0	0.564	0.404	0.729

SLC1 4A1	AQP 2	1859 506	1842 380	9606.E NSP00 000390 637	9606.ENS P0000019 9280	0	0	0	0	0	0	0.729	0.729
CDH 2	CHL 1	1846 066	1844 445	9606.E NSP00 000269 141	9606.ENS P0000025 6509	0	0	0	0	0	0	0.729	0.729
CHL 1	ST8S IA4	1844 445	1843 290	9606.E NSP00 000256 509	9606.ENS P0000023 1461	0	0	0	0	0	0	0.728	0.728
MMP 9	ICA M1	1855 661	1845 628	9606.E NSP00 000361 405	9606.ENS P0000026 4832	0	0	0	0	0	0	0.727	0.727
ANL N	KIF1 1	1845 802	1844 817	9606.E NSP00 000265 748	9606.ENS P0000026 0731	0	0	0	0	0.535	0	0.436	0.726
TTK	BUB 1B	1855 108	1847 075	9606.E NSP00 000358 813	9606.ENS P0000028 7598	0	0	0	0	0.119	0	0.702	0.726

TRP M6	TRP V5	1854 063	1845 722	9606.E NSP00 000354 006	9606.ENS P0000026 5310	0	0	0	0	0	0	0.726	0.726
SLC1 2A1	SCN N1G	1857 315	1848 129	9606.E NSP00 000370 381	9606.ENS P0000030 0061	0	0	0	0	0	0	0.726	0.726
SCD 5	NR0 B2	1849 862	1844 279	9606.E NSP00 000316 329	9606.ENS P0000025 4227	0	0	0	0	0	0	0.725	0.725
BTK	PLE K	1849 039	1843 395	9606.E NSP00 000308 176	9606.ENS P0000023 4313	0	0	0	0	0	0	0.725	0.725
CD86	ICA M1	1851 423	1845 628	9606.E NSP00 000332 049	9606.ENS P0000026 4832	0	0	0	0	0	0	0.725	0.725
SLC2 6A7	FOXI 1	1849 184	1848 621	9606.E NSP00 000309 504	9606.ENS P0000030 4286	0	0	0	0	0	0	0.725	0.725

ALB	KIT	1847 637	1847 112	9606.E NSP00 000295 897	9606.ENS P0000028 8135	0	0	0	0	0	0	0.725	0.725
ATP1 A1	ATP 12A	1847 591	1842 709	9606.E NSP00 000295 598	9606.ENS P0000021 8548	0	0	0.527	0.975	0	0	0.263	0.725
CD36	ICA M1	1849 038	1845 628	9606.E NSP00 000308 165	9606.ENS P0000026 4832	0	0	0	0	0	0	0.725	0.725
B4G ALN T2	GRH L2	1848 176	1844 083	9606.E NSP00 000300 404	9606.ENS P0000025 1808	0	0	0	0	0	0	0.725	0.725
CDK N3	CCN B2	1851 839	1847 117	9606.E NSP00 000335 357	9606.ENS P0000028 8207	0	0	0	0	0.139	0.227	0.62	0.725
TLR7	ITG AX	1857 265	1846 012	9606.E NSP00 000370 034	9606.ENS P0000026 8296	0	0	0	0	0	0	0.725	0.725

APO BEC 3G	SAM HD1	1859 014	1845 231	9606.E NSP00 000385 057	9606.ENS P0000026 2878	0	0	0	0	0	0	0.725	0.725
CXC L10	CD4	1848 754	1842 167	9606.E NSP00 000305 651	9606.ENS P0000001 1653	0	0	0	0	0	0	0.725	0.725
BRC A2	ERB B2	1857 163	1846 101	9606.E NSP00 000369 497	9606.ENS P0000026 9571	0	0	0	0	0	0	0.725	0.725
ALB	LYZ	1847 637	1844 877	9606.E NSP00 000295 897	9606.ENS P0000026 1267	0	0	0	0	0	0	0.725	0.725
WT1	EZH 2	1851 331	1850 211	9606.E NSP00 000331 327	9606.ENS P0000032 0147	0	0	0	0	0.073	0.569	0.367	0.725
ICA M1	CD4	1845 628	1842 167	9606.E NSP00 000264 832	9606.ENS P0000001 1653	0	0	0	0	0	0	0.725	0.725



COL 4A1	FN1	1856 385	1853 098	9606.E NSP00 000364 979	9606.ENS P0000034 6839	0	0	0	0	0	0.567	0.39	0.724
ABC A4	HMG CS2	1855 201	1855 015	9606.E NSP00 000359 245	9606.ENS P0000035 8414	0	0	0	0	0	0	0.724	0.724
HCK	LCP2	1856 392	1842 217	9606.E NSP00 000365 012	9606.ENS P0000004 6794	0	0	0	0	0	0.488	0.483	0.724
PFKP	ACL Y	1857 335	1844 250	9606.E NSP00 000370 517	9606.ENS P0000025 3792	0	0	0	0	0.074	0	0.715	0.724
POS TN	BMP R1B	1857 088	1845 568	9606.E NSP00 000369 071	9606.ENS P0000026 4568	0	0	0	0	0	0	0.724	0.724
KCN J1	AQP 2	1858 031	1842 380	9606.E NSP00 000376 432	9606.ENS P0000019 9280	0	0	0	0	0	0	0.723	0.723

PLK1	NCA PG	1848 135	1844 063	9606.E NSP00 000300 093	9606.ENS P0000025 1496	0	0	0	0	0.602	0	0.332	0.723
MUC 1	KRT 7	1854 790	1851 127	9606.E NSP00 000357 380	9606.ENS P0000032 9243	0	0	0	0	0	0	0.722	0.722
ITK	BLN K	1860 098	1842 996	9606.E NSP00 000398 655	9606.ENS P0000022 4337	0	0	0	0	0	0.57	0.381	0.722
TOP2 A	CCN B2	1860 923	1847 117	9606.E NSP00 000411 532	9606.ENS P0000028 8207	0	0	0	0	0.288	0	0.626	0.722
PCC B	OXC T1	1861 392	1842 370	9606.E NSP00 000419 027	9606.ENS P0000019 6371	0.559	0	0	0	0	0	0.393	0.721
NED D4L	USP2	1858 810	1844 761	9606.E NSP00 000383 199	9606.ENS P0000026 0187	0	0	0	0	0	0.101	0.702	0.721

CDK 18	CCN B2	1861 603	1847 117	9606.E NSP00 000423 665	9606.ENS P0000028 8207	0	0	0	0	0.11	0.339	0.563	0.72
FSTL 1	TLR 2	1847 596	1844 747	9606.E NSP00 000295 633	9606.ENS P0000026 0010	0	0	0	0	0	0	0.72	0.72
C14o rf37	C14o rf105	1845 948	1842 596	9606.E NSP00 000267 485	9606.ENS P0000021 6445	0	0	0	0	0	0	0.72	0.72
CR2	CD4	1854 505	1842 167	9606.E NSP00 000356 024	9606.ENS P0000001 1653	0	0	0	0	0	0	0.72	0.72
SH3P XD2 B	FER MT3	1849 216	1846 622	9606.E NSP00 000309 714	9606.ENS P0000027 9227	0	0	0	0	0	0	0	0.72
NET O2	GRI K3	1862 942	1855 828	9606.E NSP00 000455 169	9606.ENS P0000036 2183	0	0	0	0	0	0	0.58	0.72

PHK A2	PYC ARD	1857 119	1843 869	9606.E NSP00 000369 274	9606.ENS P0000024 7470	0	0	0	0	0	0	0	0.72
SH3P XD2 B	BIN2	1849 216	1845 911	9606.E NSP00 000309 714	9606.ENS P0000026 7012	0	0	0	0	0	0	0	0.72
RNF 43	HEC W1	1859 028	1858 345	9606.E NSP00 000385 328	9606.ENS P0000037 9228	0	0	0	0	0	0.576	0.367	0.72
CD2	ITG AL	1855 033	1853 413	9606.E NSP00 000358 490	9606.ENS P0000034 9252	0	0	0	0	0	0	0.72	0.72
GAL NT3	KL	1858 036	1857 155	9606.E NSP00 000376 465	9606.ENS P0000036 9442	0	0	0	0	0	0	0.72	0.72
VEG FA	CCN D1	1855 611	1843 117	9606.E NSP00 000361 125	9606.ENS P0000022 7507	0	0	0	0	0	0.101	0.7	0.718

DIAP H2	FMN 2	1850 341	1850 090	9606.E NSP00 000321 348	9606.ENS P0000031 8884	0	0	0	0	0	0	0.718	0.718
TGF BI	COL 4A1	1861 221	1856 385	9606.E NSP00 000416 330	9606.ENS P0000036 4979	0	0	0	0	0.089	0.569	0.34	0.718
TLR3	ITG AX	1847 791	1846 012	9606.E NSP00 000296 795	9606.ENS P0000026 8296	0	0	0	0	0	0	0.717	0.717
CDK 1	KIF2 0B	1858 283	1844 820	9606.E NSP00 000378 699	9606.ENS P0000026 0753	0	0	0	0	0.113	0.602	0.261	0.717
PBX 1	HOX A7	1860 561	1843 612	9606.E NSP00 000405 890	9606.ENS P0000024 2159	0	0	0	0	0	0.149	0.68	0.716
PTH LH	BMP R1B	1858 343	1845 568	9606.E NSP00 000379 213	9606.ENS P0000026 4568	0	0	0	0	0	0	0.715	0.716

PFKP	LDH B	1857 335	1843 197	9606.E NSP00 000370 517	9606.ENS P0000022 9319	0	0	0	0	0.125	0	0.689	0.716
NTR K2	SOR T1	1846 523	1844 454	9606.E NSP00 000277 120	9606.ENS P0000025 6637	0	0	0	0	0	0.576	0.358	0.716
HIST 1H2B H	HIST 1H3I	1853 333	1851 162	9606.E NSP00 000348 706	9606.ENS P0000032 9554	0	0	0	0	0.152	0.297	0.561	0.715
HIST 1H2B M	HIST 1H3I	1853 848	1851 162	9606.E NSP00 000352 442	9606.ENS P0000032 9554	0	0	0	0	0.152	0.297	0.561	0.715
PAG 1	LCP2	1842 793	1842 217	9606.E NSP00 000220 597	9606.ENS P0000004 6794	0	0	0	0	0	0.551	0.393	0.715
HEY 1	TBX 3	1852 090	1844 516	9606.E NSP00 000338 272	9606.ENS P0000025 7566	0	0	0	0	0	0	0.714	0.715

MYC	RAC 2	1856 789	1843 949	9606.E NSP00 000367 207	9606.ENS P0000024 9071	0	0	0	0	0	0	0.715	0.715
SLC2 2A8	SLC O2B 1	1851 983	1847 180	9606.E NSP00 000337 335	9606.ENS P0000028 9575	0	0	0	0	0	0	0.714	0.714
JAK3	CAV 1	1859 586	1852 186	9606.E NSP00 000391 676	9606.ENS P0000033 9191	0	0	0	0	0	0.109	0.691	0.713
MPP 7	ASF1 B	1852 051	1845 347	9606.E NSP00 000337 907	9606.ENS P0000026 3382	0	0	0	0	0	0.713	0	0.713
FAS	EGF R	1853 242	1846 445	9606.E NSP00 000347 979	9606.ENS P0000027 5493	0	0	0	0	0	0.576	0.349	0.712
ACL Y	OXC T1	1844 250	1842 370	9606.E NSP00 000253 792	9606.ENS P0000019 6371	0	0	0	0	0.079	0	0.7	0.712

MLF 1IP	PLK 2	1846 726	1846 372	9606.E NSP00 000281 453	9606.ENS P0000027 4289	0	0	0	0	0.076	0.564	0.342	0.711
SLC2 6A4	ATP 6V0 A4	1845 790	1844 258	9606.E NSP00 000265 715	9606.ENS P0000025 3856	0	0	0	0	0.066	0	0.703	0.71
DUS P9	PCK 2	1852 985	1842 620	9606.E NSP00 000345 853	9606.ENS P0000021 6780	0	0	0	0	0	0	0.71	0.71
DUS P9	PCK 1	1852 985	1850 185	9606.E NSP00 000345 853	9606.ENS P0000031 9814	0	0	0	0	0	0	0.71	0.71
EGF R	GRB 14	1846 445	1845 434	9606.E NSP00 000275 493	9606.ENS P0000026 3915	0	0	0	0	0	0.566	0.36	0.71
SCN N1A	NR3 C2	1853 964	1852 455	9606.E NSP00 000353 292	9606.ENS P0000034 1390	0	0	0	0	0	0	0.708	0.709



BUB 1	CCN A2	1848 415	1846 354	9606.E NSP00 000302 530	9606.ENS P0000027 4026	0	0	0	0	0.185	0.16	0.608	0.708
TGF B1	CD4	1842 869	1842 167	9606.E NSP00 000221 930	9606.ENS P0000001 1653	0	0	0	0	0	0	0.708	0.708
B4G ALN T2	EGF	1848 176	1845 705	9606.E NSP00 000300 404	9606.ENS P0000026 5171	0	0	0	0	0	0	0.708	0.708
RAB 25	MYH 10	1854 111	1846 079	9606.E NSP00 000354 376	9606.ENS P0000026 9243	0	0	0	0	0	0.306	0.597	0.708
EBF2	NFE 2L3	1861 826	1842 231	9606.E NSP00 000430 241	9606.ENS P0000005 6233	0	0	0	0	0	0	0.708	0.708
DDC	ABA T	1853 612	1846 008	9606.E NSP00 000350 616	9606.ENS P0000026 8251	0.282	0	0	0	0.175	0.273	0.401	0.707

FAB P7	SLC1 A3	1854 799	1845 695	9606.E NSP00 000357 429	9606.ENS P0000026 5113	0	0	0	0	0	0	0.707	0.707
PRD M1	UHR F1BP 1	1854 949	1842 358	9606.E NSP00 000358 092	9606.ENS P0000019 2788	0	0	0	0	0	0	0.707	0.707
ITGA 4	SEL E	1858 446	1851 385	9606.E NSP00 000380 227	9606.ENS P0000033 1736	0	0	0	0	0	0	0.707	0.707
SLC2 A5	SLC5 A2	1856 683	1850 973	9606.E NSP00 000366 641	9606.ENS P0000032 7943	0	0	0	0	0	0	0.707	0.707
KNG 1	TRP A1	1845 668	1845 090	9606.E NSP00 000265 023	9606.ENS P0000026 2209	0	0	0	0	0	0	0.706	0.706
ANK 2	KCN J2	1853 464	1843 671	9606.E NSP00 000349 588	9606.ENS P0000024 3457	0	0	0	0	0	0	0.706	0.706

MMP 9	KDR	1855 661	1845 437	9606.E NSP00 000361 405	9606.ENS P0000026 3923	0	0	0	0	0	0	0.706	0.706
DDC	SLC6 A3	1853 612	1846 148	9606.E NSP00 000350 616	9606.ENS P0000027 0349	0	0	0	0	0	0	0.706	0.706
CDK 1	MKI 67	1858 283	1854 841	9606.E NSP00 000378 699	9606.ENS P0000035 7643	0	0	0	0	0.106	0.576	0.285	0.705
PTPR C	VWF	1854 576	1844 904	9606.E NSP00 000356 346	9606.ENS P0000026 1405	0	0	0	0	0	0	0.705	0.705
EGF R	SLC1 A3	1846 445	1845 695	9606.E NSP00 000275 493	9606.ENS P0000026 5113	0	0	0	0	0	0	0.703	0.704
NDC 80	NCA PG	1844 946	1844 063	9606.E NSP00 000261 597	9606.ENS P0000025 1496	0	0	0	0	0.392	0	0.533	0.704

TRP V6	WN K4	1853 837	1843 844	9606.E NSP00 000352 358	9606.ENS P0000024 6914	0	0	0	0	0	0.105	0.682	0.704
MT1 X	PTG S2	1858 204	1854 602	9606.E NSP00 000377 995	9606.ENS P0000035 6438	0	0	0	0	0	0	0.702	0.703
HAD H	ACO X2	1859 056	1848 984	9606.E NSP00 000385 638	9606.ENS P0000030 7697	0.462	0	0	0	0.113	0	0.428	0.703
SLC4 7A2	SLC2 2A13	1850 858	1849 275	9606.E NSP00 000326 671	9606.ENS P0000031 0241	0	0	0	0	0	0	0.703	0.703
MTH FD2	ACL Y	1858 157	1844 250	9606.E NSP00 000377 617	9606.ENS P0000025 3792	0.212	0	0	0	0.112	0	0.61	0.703
PGF	ANG PT2	1862 737	1849 738	9606.E NSP00 000451 040	9606.ENS P0000031 4897	0	0	0	0	0	0	0.703	0.703

MMP 9	ALB	1855 661	1847 637	9606.E NSP00 000361 405	9606.ENS P0000029 5897	0	0	0	0	0	0	0.702	0.702
ALD H4A 1	ACL Y	1847 245	1844 250	9606.E NSP00 000290 597	9606.ENS P0000025 3792	0.075	0	0	0	0.288	0	0.585	0.702
NUS AP1	CDK 1	1862 836	1858 283	9606.E NSP00 000453 403	9606.ENS P0000037 8699	0	0	0	0	0.435	0	0.243	0.702
ALD H8A 1	ACL Y	1845 778	1844 250	9606.E NSP00 000265 605	9606.ENS P0000025 3792	0.075	0	0	0	0.288	0	0.585	0.702
SMC 4	KIF1 1	1852 454	1844 817	9606.E NSP00 000341 382	9606.ENS P0000026 0731	0	0	0	0	0.574	0.107	0.28	0.702
FN1	DCN	1853 098	1842 218	9606.E NSP00 000346 839	9606.ENS P0000005 2754	0	0	0	0	0	0.576	0.328	0.702

KCN J1	SCN N1A	1858 031	1853 964	9606.E NSP00 000376 432	9606.ENS P0000035 3292	0	0	0	0	0	0	0.702	0.702
PRD M1	UNC 5B	1854 949	1851 710	9606.E NSP00 000358 092	9606.ENS P0000033 4329	0	0	0	0	0	0	0.701	0.701
CHG B	SYT 1	1856 957	1844 863	9606.E NSP00 000368 244	9606.ENS P0000026 1205	0	0	0	0	0	0.566	0.34	0.701
KCN J10	FOXI 1	1854 726	1848 621	9606.E NSP00 000357 068	9606.ENS P0000030 4286	0	0	0	0	0	0	0.701	0.701
SCN N1G	AQP 2	1848 129	1842 380	9606.E NSP00 000300 061	9606.ENS P0000019 9280	0	0	0	0	0	0	0.7	0.7
MMP 9	CTS S	1855 661	1854 929	9606.E NSP00 000361 405	9606.ENS P0000035 7981	0	0	0	0	0	0	0.7	0.7

PRO M1	VWF	1861 160	1844 904	9606.E NSP00 000415 481	9606.ENS P0000026 1405	0	0	0	0	0	0	0.7	0.7
FLT1	VWF	1846 791	1844 904	9606.E NSP00 000282 397	9606.ENS P0000026 1405	0	0	0	0	0	0	0.7	0.7
PRO M1	VEG FA	1861 160	1855 611	9606.E NSP00 000415 481	9606.ENS P0000036 1125	0	0	0	0	0	0	0.7	0.7
ERB B2	EPC AM	1846 101	1845 405	9606.E NSP00 000269 571	9606.ENS P0000026 3735	0	0	0	0	0	0	0.7	0.7
NOS 1	CYP 2B6	1852 004	1850 664	9606.E NSP00 000337 459	9606.ENS P0000032 4648	0	0	0	0	0	0	0.7	0.7
APO BEC 3G	BST2	1859 014	1844 139	9606.E NSP00 000385 057	9606.ENS P0000025 2593	0	0	0	0	0	0	0.7	0.7

TOP2 A	ERB B2	1860 923	1846 101	9606.E NSP00 000411 532	9606.ENS P0000026 9571	0	0	0	0	0	0	0.7	0.7
MMP 9	CCN D1	1855 661	1843 117	9606.E NSP00 000361 405	9606.ENS P0000022 7507	0	0	0	0	0	0	0.7	0.7
ALB	C3	1847 637	1843 781	9606.E NSP00 000295 897	9606.ENS P0000024 5907	0	0	0	0	0	0	0.7	0.7
KCN J1	BSN D	1858 031	1855 449	9606.E NSP00 000376 432	9606.ENS P0000036 0312	0	0	0	0	0	0	0.7	0.7
EGF R	TGF B1	1846 445	1842 869	9606.E NSP00 000275 493	9606.ENS P0000022 1930	0	0	0	0	0	0.151	0.66	0.699
HAD H	ACL Y	1859 056	1844 250	9606.E NSP00 000385 638	9606.ENS P0000025 3792	0	0	0	0	0.069	0	0.69	0.699



MMP 9	FN1	1855 661	1853 098	9606.E NSP00 000361 405	9606.ENS P0000034 6839	0	0	0	0.648	0	0.576	0.825	0.698
SLC1 2A3	CLC NKA	1860 326	1851 515	9606.E NSP00 000402 152	9606.ENS P0000033 2771	0	0	0	0	0	0	0.698	0.698
FGF1	TGF B1	1852 115	1842 869	9606.E NSP00 000338 548	9606.ENS P0000022 1930	0	0	0	0	0	0	0.698	0.698
CDK N3	CCN A2	1851 839	1846 354	9606.E NSP00 000335 357	9606.ENS P0000027 4026	0	0	0	0	0.112	0.253	0.582	0.698
SLC1 2A1	SCN N1A	1857 315	1853 964	9606.E NSP00 000370 381	9606.ENS P0000035 3292	0	0	0	0	0	0	0.698	0.698
SCD	NR0 B2	1855 232	1844 279	9606.E NSP00 000359 380	9606.ENS P0000025 4227	0	0	0	0	0	0	0.697	0.698

TGF BI	COL 1A1	1861 221	1843 064	9606.E NSP00 000416 330	9606.ENS P0000022 5964	0	0	0	0	0.065	0.569	0.308	0.697
MYB L1	CDK 1	1861 801	1858 283	9606.E NSP00 000429 633	9606.ENS P0000037 8699	0	0	0	0	0	0.33	0.564	0.696
NTN 4	UNC 5B	1852 400	1851 710	9606.E NSP00 000340 998	9606.ENS P0000033 4329	0	0	0	0	0	0.149	0.658	0.696
ABC A4	CAV 1	1855 201	1852 186	9606.E NSP00 000359 245	9606.ENS P0000033 9191	0	0	0	0	0	0	0.695	0.696
FN1	LOX	1853 098	1843 271	9606.E NSP00 000346 839	9606.ENS P0000023 1004	0	0	0	0	0	0.566	0.329	0.696
EZH 2	UHR F1BP 1	1850 211	1842 358	9606.E NSP00 000320 147	9606.ENS P0000019 2788	0	0	0	0	0	0.576	0.311	0.695

EIF4 EBP1	RPS6 KA6	1852 358	1845 209	9606.E NSP00 000340 691	9606.ENS P0000026 2752	0	0	0	0	0	0.111	0.67	0.695
MMP 9	GBP 2	1855 661	1855 261	9606.E NSP00 000361 405	9606.ENS P0000035 9497	0	0	0	0	0	0	0.695	0.695
TOP2 A	ABC B1	1860 923	1845 794	9606.E NSP00 000411 532	9606.ENS P0000026 5724	0	0	0	0	0.069	0	0.686	0.695
HAD H	ACA DSB	1859 056	1854 904	9606.E NSP00 000385 638	9606.ENS P0000035 7873	0.462	0	0	0	0.113	0	0.41	0.694
KDR	RAC 2	1845 437	1843 949	9606.E NSP00 000263 923	9606.ENS P0000024 9071	0	0	0	0	0	0.113	0.669	0.694
HMG CS2	ITG AX	1855 015	1846 012	9606.E NSP00 000358 414	9606.ENS P0000026 8296	0	0	0	0	0	0	0.694	0.694

TRA T1	LCP2	1847 619	1842 217	9606.E NSP00 000295 756	9606.ENS P0000004 6794	0	0	0	0	0.071	0.551	0.324	0.693
SUC LG1	LDH B	1858 135	1843 197	9606.E NSP00 000377 446	9606.ENS P0000022 9319	0.462	0	0	0	0.27	0	0.282	0.693
SUL F1	HS6S T1	1844 757	1844 677	9606.E NSP00 000260 128	9606.ENS P0000025 9241	0	0	0	0	0	0	0.693	0.693
SERP INA5	PLA T	1851 559	1842 802	9606.E NSP00 000333 203	9606.ENS P0000022 0809	0.083	0	0	0	0	0.567	0.29	0.693
ETN K2	NOL 3	1854 541	1846 024	9606.E NSP00 000356 170	9606.ENS P0000026 8605	0	0	0	0	0	0.692	0	0.692
SLC3 4A1	GAB ARA PL1	1850 348	1845 870	9606.E NSP00 000321 424	9606.ENS P0000026 6458	0	0	0	0	0	0	0.692	0.692

SUS D2	C14o rf37	1853 667	1845 948	9606.E NSP00 000351 075	9606.ENS P0000026 7485	0	0	0	0	0	0	0.692	0.692
SLC1 4A1	CAV 1	1859 506	1852 186	9606.E NSP00 000390 637	9606.ENS P0000033 9191	0	0	0	0	0	0	0.692	0.692
SLC2 2A8	SLC4 7A2	1851 983	1850 858	9606.E NSP00 000337 335	9606.ENS P0000032 6671	0	0	0	0	0	0	0.691	0.691
IKZF 3	ARN T2	1852 827	1848 961	9606.E NSP00 000344 544	9606.ENS P0000030 7479	0	0	0	0	0	0.691	0	0.691
PTPR C	IL2R B	1854 576	1842 567	9606.E NSP00 000356 346	9606.ENS P0000021 6223	0	0	0	0	0	0	0.69	0.69
MET	KDR	1849 944	1845 437	9606.E NSP00 000317 272	9606.ENS P0000026 3923	0	0	0	0.623	0	0.576	0.73	0.69

DNA H11	KIF1 1	1851 276	1844 817	9606.E NSP00 000330 671	9606.ENS P0000026 0731	0	0	0	0	0	0.469	0.441	0.69
CAV 1	BMP R1B	1852 186	1845 568	9606.E NSP00 000339 191	9606.ENS P0000026 4568	0	0	0	0	0	0	0.69	0.69
SLC1 2A3	CLD N16	1860 326	1845 612	9606.E NSP00 000402 152	9606.ENS P0000026 4734	0	0	0	0	0	0	0.69	0.69
MKI 67	ERB B2	1854 841	1846 101	9606.E NSP00 000357 643	9606.ENS P0000026 9571	0	0	0	0	0	0	0.689	0.689
LHX 1	SFRP 1	1844 295	1842 801	9606.E NSP00 000254 457	9606.ENS P0000022 0772	0	0	0	0	0	0.135	0.655	0.689
ITGA 4	PTP RC	1858 446	1854 576	9606.E NSP00 000380 227	9606.ENS P0000035 6346	0	0	0	0	0	0	0.687	0.688

PBX 1	HOX B6	1860 561	1843 039	9606.E NSP00 000405 890	9606.ENS P0000022 5648	0	0	0	0	0	0.301	0.571	0.687
SHR OOM 3	MYH 10	1847 666	1846 079	9606.E NSP00 000296 043	9606.ENS P0000026 9243	0	0	0	0	0	0	0.687	0.687
EXP H5	SYT 1	1845 814	1844 863	9606.E NSP00 000265 843	9606.ENS P0000026 1205	0	0	0	0	0	0	0.687	0.687
SLC1 7A4	SLC3 4A1	1856 772	1850 348	9606.E NSP00 000367 137	9606.ENS P0000032 1424	0	0	0	0	0	0	0.686	0.686
PTP N22	EGF R	1853 901	1846 445	9606.E NSP00 000352 833	9606.ENS P0000027 5493	0	0	0	0	0	0.468	0.433	0.686
ADH 6	LDH B	1858 245	1843 197	9606.E NSP00 000378 359	9606.ENS P0000022 9319	0	0	0	0	0.069	0	0.677	0.686

SLC2 A1	HK2	1861 219	1847 242	9606.E NSP00 000416 293	9606.ENS P0000029 0573	0	0	0	0	0.073	0	0.675	0.686
ARN T2	SIM2	1848 961	1847 230	9606.E NSP00 000307 479	9606.ENS P0000029 0399	0	0	0	0.645	0	0.569	0.771	0.685
FN1	PLA T	1853 098	1842 802	9606.E NSP00 000346 839	9606.ENS P0000022 0809	0	0	0	0	0	0.564	0.307	0.685
OAS 2	ACL Y	1852 576	1844 250	9606.E NSP00 000342 278	9606.ENS P0000025 3792	0	0	0	0	0	0.67	0.086	0.685
PTG S2	MT1 E	1854 602	1848 987	9606.E NSP00 000356 438	9606.ENS P0000030 7706	0	0	0	0	0	0	0.684	0.685
SMC 4	PLK 2	1852 454	1846 372	9606.E NSP00 000341 382	9606.ENS P0000027 4289	0	0	0	0	0.242	0.574	0.104	0.685



ITK	CD2	1860 098	1855 033	9606.E NSP00 000398 655	9606.ENS P0000035 8490	0	0	0	0	0	0.564	0.305	0.684
PCK 1	ITG AX	1850 185	1846 012	9606.E NSP00 000319 814	9606.ENS P0000026 8296	0	0	0	0	0	0	0.684	0.684
LLG L2	MYH 10	1858 019	1846 079	9606.E NSP00 000376 333	9606.ENS P0000026 9243	0	0	0	0	0	0	0.684	0.684
FCG R3A	PIGR	1854 695	1853 366	9606.E NSP00 000356 946	9606.ENS P0000034 8888	0	0	0	0	0	0	0.683	0.683
NPH S2	PTP RO	1854 633	1846 712	9606.E NSP00 000356 587	9606.ENS P0000028 1171	0	0	0	0	0	0	0.682	0.682
TFA P2A	MYC	1857 061	1856 789	9606.E NSP00 000368 924	9606.ENS P0000036 7207	0	0	0	0	0	0.576	0.281	0.682

TOP2 A	ASP M	1860 923	1854 584	9606.E NSP00 000411 532	9606.ENS P0000035 6379	0	0	0	0	0.657	0	0.112	0.682
SEM A6D	PLX ND1	1850 688	1849 931	9606.E NSP00 000324 857	9606.ENS P0000031 7128	0	0	0	0	0	0	0.681	0.681
GPD 1L	KCN E4	1846 804	1846 747	9606.E NSP00 000282 541	9606.ENS P0000028 1830	0	0	0	0	0	0	0.681	0.681
SLC9 A9	C3orf 58	1850 225	1850 206	9606.E NSP00 000320 246	9606.ENS P0000032 0081	0	0	0	0	0	0	0.681	0.681
NRP 2	PLX NC1	1854 002	1844 617	9606.E NSP00 000353 582	9606.ENS P0000025 8526	0	0	0	0	0	0	0.68	0.68
FOXI 1	IYD	1848 621	1843 209	9606.E NSP00 000304 286	9606.ENS P0000022 9447	0	0	0	0	0	0	0.68	0.68

ATA D2	HIST 1H3 B	1847 066	1843 731	9606.E NSP00 000287 394	9606.ENS P0000024 4661	0	0	0	0	0	0.648	0.13	0.68
CYP 2B6	ABC B1	1850 664	1845 794	9606.E NSP00 000324 648	9606.ENS P0000026 5724	0	0	0	0	0	0	0.68	0.68
SCD	PCK 2	1855 232	1842 620	9606.E NSP00 000359 380	9606.ENS P0000021 6780	0	0	0	0	0	0	0.679	0.679
SCN N1A	SLC9 A3	1853 964	1845 649	9606.E NSP00 000353 292	9606.ENS P0000026 4938	0	0	0	0	0	0	0.679	0.679
SEM A6A	PLX ND1	1852 946	1849 931	9606.E NSP00 000345 512	9606.ENS P0000031 7128	0	0	0	0	0	0	0.679	0.679
PTPR C	CSF1 R	1854 576	1847 002	9606.E NSP00 000356 346	9606.ENS P0000028 6301	0	0	0	0	0.071	0.074	0.657	0.679

CTH	CDH 2	1855 373	1846 066	9606.E NSP00 000359 976	9606.ENS P0000026 9141	0	0	0	0	0	0	0.679	0.679
MYC	ATA D2	1856 789	1847 066	9606.E NSP00 000367 207	9606.ENS P0000028 7394	0	0	0	0	0	0.576	0.275	0.679
SLC1 2A1	CLC NKA	1857 315	1851 515	9606.E NSP00 000370 381	9606.ENS P0000033 2771	0	0	0	0	0	0	0.678	0.678
BMP 7	MMP 9	1858 342	1855 661	9606.E NSP00 000379 204	9606.ENS P0000036 1405	0	0	0	0	0	0	0.678	0.678
PIK3 CG	SGK 2	1853 801	1852 346	9606.E NSP00 000352 121	9606.ENS P0000034 0608	0	0	0	0	0	0.251	0.588	0.678
TOP2 A	CCN A2	1860 923	1846 354	9606.E NSP00 000411 532	9606.ENS P0000027 4026	0	0	0	0	0.249	0	0.589	0.678

LDH B	ADH 1A	1843 197	1842 451	9606.E NSP00 000229 319	9606.ENS P0000020 9668	0	0	0	0	0.069	0	0.668	0.677
KCN MA1	KCN J1	1859 069	1858 031	9606.E NSP00 000385 806	9606.ENS P0000037 6432	0	0	0	0	0	0	0.676	0.677
GMP R	ACL Y	1844 718	1844 250	9606.E NSP00 000259 727	9606.ENS P0000025 3792	0	0	0	0	0.091	0.201	0.591	0.677
PBX 1	HOX B9	1860 561	1849 176	9606.E NSP00 000405 890	9606.ENS P0000030 9439	0	0	0	0	0	0.15	0.636	0.677
HS6S T2	SUL F1	1861 795	1844 757	9606.E NSP00 000429 473	9606.ENS P0000026 0128	0	0	0	0	0	0	0.677	0.677
VIM	TGF B1	1842 995	1842 869	9606.E NSP00 000224 237	9606.ENS P0000022 1930	0	0	0	0	0	0.566	0.285	0.676

BLN K	LCP2	1842 996	1842 217	9606.E NSP00 000224 337	9606.ENS P0000004 6794	0	0	0	0.66	0.064	0.57	0.69	0.676
ERO 1L	ERP2 7	1858 318	1845 869	9606.E NSP00 000379 042	9606.ENS P0000026 6397	0	0	0	0	0	0.167	0.627	0.676
LGA LS1	CD4	1842 521	1842 167	9606.E NSP00 000215 909	9606.ENS P0000001 1653	0	0	0	0	0	0.567	0.283	0.676
HSP B8	BMP R1B	1846 754	1845 568	9606.E NSP00 000281 938	9606.ENS P0000026 4568	0	0	0	0	0	0	0.676	0.676
BUB 1	CDC 6	1848 415	1842 453	9606.E NSP00 000302 530	9606.ENS P0000020 9728	0	0	0	0	0.239	0.223	0.496	0.676
SLC2 2A6	SLC1 3A3	1856 766	1846 611	9606.E NSP00 000367 102	9606.ENS P0000027 9027	0	0	0	0	0	0	0.676	0.676

LRR C2	CAB 39L	1847 688	1844 962	9606.E NSP00 000296 144	9606.ENS P0000026 1669	0	0	0	0	0	0.253	0.583	0.675
CSF1 R	ITG AX	1847 002	1846 012	9606.E NSP00 000286 301	9606.ENS P0000026 8296	0	0	0	0	0	0	0.675	0.675
PXK	UHR FIBP 1	1853 305	1842 358	9606.E NSP00 000348 472	9606.ENS P0000019 2788	0	0	0	0	0	0	0.674	0.675
KDR	GRB 14	1845 437	1845 434	9606.E NSP00 000263 923	9606.ENS P0000026 3915	0	0	0	0	0	0	0.673	0.674
PBK	LNK 1	1848 348	1845 438	9606.E NSP00 000301 905	9606.ENS P0000026 3925	0	0	0	0	0	0.637	0.138	0.674
PTPR C	ITGB 2	1854 576	1848 511	9606.E NSP00 000356 346	9606.ENS P0000030 3242	0	0	0	0	0.18	0.149	0.57	0.673

PTPR O	EGF R	1846 712	1846 445	9606.E NSP00 000281 171	9606.ENS P0000027 5493	0	0	0	0	0	0.114	0.645	0.673
CAV 1	GJA1	1852 186	1846 806	9606.E NSP00 000339 191	9606.ENS P0000028 2561	0	0	0	0	0	0.564	0.282	0.673
SCN N1A	HSP A2	1853 964	1843 861	9606.E NSP00 000353 292	9606.ENS P0000024 7207	0	0	0	0	0	0	0.673	0.673
ABC G1	ABC C3	1854 276	1846 952	9606.E NSP00 000354 995	9606.ENS P0000028 5238	0	0	0	0	0	0.101	0.65	0.672
MYO 1F	COR O1A	1852 870	1842 723	9606.E NSP00 000344 871	9606.ENS P0000021 9150	0	0	0	0	0.109	0.302	0.515	0.672
CD48	CD8 4	1854 716	1849 524	9606.E NSP00 000357 025	9606.ENS P0000031 2367	0	0	0	0	0.068	0	0.662	0.671



CAV 1	CD3 6	1852 186	1849 038	9606.E NSP00 000339 191	9606.ENS P0000030 8165	0	0	0	0	0	0	0.671	0.671
BTK	LCP2	1849 039	1842 217	9606.E NSP00 000308 176	9606.ENS P0000004 6794	0	0	0	0	0	0	0.671	0.671
SH3P XD2 B	RER GL	1849 216	1843 177	9606.E NSP00 000309 714	9606.ENS P0000022 9002	0	0	0	0	0	0.242	0.583	0.67
SGK 2	PRK AR2 B	1852 346	1845 791	9606.E NSP00 000340 608	9606.ENS P0000026 5717	0	0.003	0	0	0	0.11	0.645	0.67
SH3P XD2 B	RAS L11B	1849 216	1843 927	9606.E NSP00 000309 714	9606.ENS P0000024 8706	0	0	0	0	0	0.242	0.583	0.67
DIR AS2	SH3P XD2 B	1856 374	1849 216	9606.E NSP00 000364 919	9606.ENS P0000030 9714	0	0	0	0	0	0.242	0.583	0.67

PRK AR2 B	RPS6 KA6	1845 791	1845 209	9606.E NSP00 000265 717	9606.ENS P0000026 2752	0	0	0	0	0	0.11	0.645	0.67
CD36	COL 1A1	1849 038	1843 064	9606.E NSP00 000308 165	9606.ENS P0000022 5964	0	0	0	0	0	0.576	0.254	0.67
SH3P XD2 B	RAS D1	1849 216	1843 042	9606.E NSP00 000309 714	9606.ENS P0000022 5688	0	0	0	0	0	0.242	0.583	0.67
EGF R	CEA CAM 1	1846 445	1842 281	9606.E NSP00 000275 493	9606.ENS P0000016 1559	0	0	0	0	0	0.576	0.252	0.669
CDK 18	CCN E2	1861 603	1849 155	9606.E NSP00 000423 665	9606.ENS P0000030 9181	0	0	0	0	0	0.311	0.539	0.669
SHM T2	ACL Y	1851 612	1844 250	9606.E NSP00 000333 667	9606.ENS P0000025 3792	0	0	0	0	0.186	0	0.61	0.669

XPN PEP2	KNG 1	1855 403	1845 668	9606.E NSP00 000360 147	9606.ENS P0000026 5023	0	0	0	0	0	0	0.669	0.669
ABC G1	CD3 6	1854 276	1849 038	9606.E NSP00 000354 995	9606.ENS P0000030 8165	0	0	0	0	0	0	0.668	0.668
ABC G1	PCP4	1854 276	1851 144	9606.E NSP00 000354 995	9606.ENS P0000032 9403	0	0	0	0	0	0	0.668	0.668
SCIN	RAC 2	1847 816	1843 949	9606.E NSP00 000297 029	9606.ENS P0000024 9071	0	0	0	0	0	0	0.668	0.668
NED D4L	ACT G2	1858 810	1847 542	9606.E NSP00 000383 199	9606.ENS P0000029 5137	0	0	0	0	0	0.149	0.625	0.668
SYT1	TUB B2B	1844 863	1844 727	9606.E NSP00 000261 205	9606.ENS P0000025 9818	0	0	0	0	0	0	0.667	0.667

SLC6 A19	SLC7 A9	1848 720	1842 191	9606.E NSP00 000305 302	9606.ENS P0000002 3064	0	0	0	0	0	0	0.667	0.667
KCN J1	CLC NKA	1858 031	1851 515	9606.E NSP00 000376 432	9606.ENS P0000033 2771	0	0	0	0	0	0	0.667	0.667
SLC1 5A2	SLC2 2A6	1861 264	1856 766	9606.E NSP00 000417 085	9606.ENS P0000036 7102	0	0	0	0	0	0	0.666	0.666
PTG S2	MAP K10	1854 602	1853 804	9606.E NSP00 000356 438	9606.ENS P0000035 2157	0	0	0	0	0	0	0.665	0.666
HK2	LDH B	1847 242	1843 197	9606.E NSP00 000290 573	9606.ENS P0000022 9319	0	0	0	0	0.083	0	0.65	0.666
KIF1 8A	TUB B2B	1845 299	1844 727	9606.E NSP00 000263 181	9606.ENS P0000025 9818	0	0	0	0	0	0.361	0.498	0.666

SH3P XD2 B	ACT G2	1849 216	1847 542	9606.E NSP00 000309 714	9606.ENS P0000029 5137	0	0	0	0	0	0.441	0.426	0.665
MMP 9	MAP K10	1855 661	1853 804	9606.E NSP00 000361 405	9606.ENS P0000035 2157	0	0	0	0	0	0	0.665	0.665
GP2	CD3 6	1857 371	1849 038	9606.E NSP00 000370 767	9606.ENS P0000030 8165	0	0	0	0	0	0	0.665	0.665
BRC A2	CCN A2	1857 163	1846 354	9606.E NSP00 000369 497	9606.ENS P0000027 4026	0	0	0	0	0.073	0.576	0.216	0.664
IGFB P3	PAP PA2	1857 331	1854 644	9606.E NSP00 000370 473	9606.ENS P0000035 6634	0	0	0	0	0	0.576	0.241	0.664
TFA P2B	MYC	1858 114	1856 789	9606.E NSP00 000377 265	9606.ENS P0000036 7207	0	0	0	0	0	0.576	0.242	0.664

ABC A1	CSF1 R	1856 172	1847 002	9606.E NSP00 000363 868	9606.ENS P0000028 6301	0	0	0	0	0	0	0.664	0.664
HCK	FLT1	1856 392	1846 791	9606.E NSP00 000365 012	9606.ENS P0000028 2397	0	0	0	0.689	0	0.64	0.247	0.664
ERB B4	SLC1 A3	1852 571	1845 695	9606.E NSP00 000342 235	9606.ENS P0000026 5113	0	0	0	0	0	0	0.663	0.664
ITGA 5	EGF R	1847 411	1846 445	9606.E NSP00 000293 379	9606.ENS P0000027 5493	0	0	0	0	0	0.576	0.24	0.664
KIF2 0A	ANL N	1858 244	1845 802	9606.E NSP00 000378 356	9606.ENS P0000026 5748	0	0	0	0	0.263	0	0.562	0.663
HIST 1H3I	ASF1 B	1851 162	1845 347	9606.E NSP00 000329 554	9606.ENS P0000026 3382	0	0	0	0	0.078	0.35	0.483	0.663

GAT A3	FLT1	1857 010	1846 791	9606.E NSP00 000368 632	9606.ENS P0000028 2397	0	0	0	0	0	0.074	0.651	0.663
SLC2 6A4	SLC9 A3	1845 790	1845 649	9606.E NSP00 000265 715	9606.ENS P0000026 4938	0	0	0	0	0	0	0.663	0.663
SCN N1G	SLC9 A3	1848 129	1845 649	9606.E NSP00 000300 061	9606.ENS P0000026 4938	0	0	0	0	0	0	0.662	0.662
WT1	DMR T2	1851 331	1848 772	9606.E NSP00 000331 327	9606.ENS P0000030 5785	0	0	0	0	0	0	0.662	0.662
SLC1 5A2	SLC2 2A8	1861 264	1851 983	9606.E NSP00 000417 085	9606.ENS P0000033 7335	0	0	0	0	0	0	0.662	0.662
ACA DSB	ACL Y	1854 904	1844 250	9606.E NSP00 000357 873	9606.ENS P0000025 3792	0.088	0	0	0	0.096	0	0.622	0.661

CCN A2	SAM HD1	1846 354	1845 231	9606.E NSP00 000274 026	9606.ENS P0000026 2878	0	0	0	0	0	0.564	0.256	0.661
PHG DH	SLC1 A4	1855 016	1843 391	9606.E NSP00 000358 417	9606.ENS P0000023 4256	0	0	0	0	0	0	0.66	0.66
NPH S1	PTP RO	1856 951	1846 712	9606.E NSP00 000368 190	9606.ENS P0000028 1171	0	0	0	0	0	0	0.66	0.66
ACO X2	ACL Y	1848 984	1844 250	9606.E NSP00 000307 697	9606.ENS P0000025 3792	0.088	0	0	0	0.096	0	0.621	0.66
SLC1 2A3	EGF	1860 326	1845 705	9606.E NSP00 000402 152	9606.ENS P0000026 5171	0	0	0	0	0	0	0.66	0.66
JAK3	KIT	1859 586	1847 112	9606.E NSP00 000391 676	9606.ENS P0000028 8135	0	0	0	0.624	0	0.581	0.518	0.659



VEG FA	PTP RC	1855 611	1854 576	9606.E NSP00 000361 125	9606.ENS P0000035 6346	0	0	0	0	0	0	0.658	0.659
FCG R3A	CD4	1854 695	1842 167	9606.E NSP00 000356 946	9606.ENS P0000001 1653	0	0	0	0	0	0.576	0.229	0.659
MYC	VEG FA	1856 789	1855 611	9606.E NSP00 000367 207	9606.ENS P0000036 1125	0	0	0	0	0	0	0.659	0.659
NTN G1	GPM 6B	1855 169	1849 911	9606.E NSP00 000359 085	9606.ENS P0000031 6861	0	0	0	0	0	0	0.659	0.659
MAP 3K15	CDK N3	1852 955	1851 839	9606.E NSP00 000345 629	9606.ENS P0000033 5357	0	0	0	0	0	0.111	0.632	0.659
CDH 2	RAC 2	1846 066	1843 949	9606.E NSP00 000269 141	9606.ENS P0000024 9071	0	0	0	0	0	0	0.659	0.659

MAR VEL D2	CGN	1850 529	1846 205	9606.E NSP00 000323 264	9606.ENS P0000027 1636	0	0	0	0	0	0	0.659	0.659
MAP K10	ELF5	1853 804	1849 372	9606.E NSP00 000352 157	9606.ENS P0000031 1010	0	0	0	0	0	0.156	0.612	0.659
EHF	MAP K10	1862 015	1853 804	9606.E NSP00 000435 835	9606.ENS P0000035 2157	0	0	0	0	0	0.156	0.612	0.659
SLC2 A1	CA9	1861 219	1856 855	9606.E NSP00 000416 293	9606.ENS P0000036 7608	0	0	0	0	0	0	0.659	0.659
IGF2 BP2	TSP AN8	1857 495	1843 877	9606.E NSP00 000371 634	9606.ENS P0000024 7829	0	0	0	0	0	0	0.658	0.658
KRT 7	KIT	1851 127	1847 112	9606.E NSP00 000329 243	9606.ENS P0000028 8135	0	0	0	0	0.071	0	0.647	0.658

CYP 2B6	ALB	1850 664	1847 637	9606.E NSP00 000324 648	9606.ENS P0000029 5897	0	0	0	0	0	0	0.658	0.658
SCD 5	CD4	1849 862	1842 167	9606.E NSP00 000316 329	9606.ENS P0000001 1653	0	0	0	0	0	0	0.658	0.658
KCN J1	TRP V5	1858 031	1845 722	9606.E NSP00 000376 432	9606.ENS P0000026 5310	0	0	0	0	0	0	0.658	0.658
MAP K4	ERB B4	1858 818	1852 571	9606.E NSP00 000383 234	9606.ENS P0000034 2235	0	0	0	0	0	0.248	0.564	0.658
CD2	ICA M1	1855 033	1845 628	9606.E NSP00 000358 490	9606.ENS P0000026 4832	0	0	0	0	0	0	0.658	0.658
TRP M6	UHR F1BP 1	1854 063	1842 358	9606.E NSP00 000354 006	9606.ENS P0000019 2788	0	0	0	0	0	0	0.658	0.658

EGF	GRH L2	1845 705	1844 083	9606.E NSP00 000265 171	9606.ENS P0000025 1808	0	0	0	0	0	0	0.658	0.658
CDK 1	CDC A2	1858 283	1851 011	9606.E NSP00 000378 699	9606.ENS P0000032 8228	0	0	0	0	0.095	0.576	0.181	0.658
PLK1	ANL N	1848 135	1845 802	9606.E NSP00 000300 093	9606.ENS P0000026 5748	0	0	0	0	0.267	0	0.551	0.657
BTK	KIT	1849 039	1847 112	9606.E NSP00 000308 176	9606.ENS P0000028 8135	0	0	0	0.64	0	0.593	0.464	0.657
KCN J10	SLC2 6A4	1854 726	1845 790	9606.E NSP00 000357 068	9606.ENS P0000026 5715	0	0	0	0	0	0	0.657	0.657
TOP2 A	NCA PG	1860 923	1844 063	9606.E NSP00 000411 532	9606.ENS P0000025 1496	0	0	0	0	0.233	0	0.571	0.657

FCE RIG	FCG R2A	1847 193	1846 197	9606.E NSP00 000289 902	9606.ENS P0000027 1450	0	0	0	0	0	0	0.656	0.656
HSD 3B7	TM7 SF2	1847 897	1846 627	9606.E NSP00 000297 679	9606.ENS P0000027 9263	0	0	0	0	0	0.36	0.485	0.656
FRE M1	CD9 6	1857 300	1846 847	9606.E NSP00 000370 262	9606.ENS P0000028 3285	0	0	0	0	0	0	0.655	0.655
TFA P2B	HOX A2	1858 114	1842 936	9606.E NSP00 000377 265	9606.ENS P0000022 2718	0	0	0	0	0	0	0.654	0.655
SCIN	ACT G2	1847 816	1847 542	9606.E NSP00 000297 029	9606.ENS P0000029 5137	0	0	0	0	0	0.092	0.635	0.655
PDP2	TRIB 3	1849 193	1842 649	9606.E NSP00 000309 548	9606.ENS P0000021 7233	0.462	0	0	0	0.073	0.109	0.316	0.655

TTK	PLK 1	1855 108	1848 135	9606.E NSP00 000358 813	9606.ENS P0000030 0093	0	0	0	0.627	0.484	0.254	0.407	0.655
PDP2	MEL K	1849 193	1847 923	9606.E NSP00 000309 548	9606.ENS P0000029 8048	0.462	0	0	0	0.073	0.109	0.316	0.655
ACA N	TNF AIP6	1859 267	1843 667	9606.E NSP00 000387 356	9606.ENS P0000024 3347	0	0	0	0.668	0	0.576	0.58	0.655
EGF R	ICA M1	1846 445	1845 628	9606.E NSP00 000275 493	9606.ENS P0000026 4832	0	0	0	0	0	0.294	0.531	0.654
TOP2 A	KIF1 1	1860 923	1844 817	9606.E NSP00 000411 532	9606.ENS P0000026 0731	0	0	0	0	0.428	0	0.42	0.654
CTH	CDH 3	1855 373	1845 457	9606.E NSP00 000359 976	9606.ENS P0000026 4012	0	0	0	0	0	0	0.654	0.654

PSA T1	SHM T2	1856 523	1851 612	9606.E NSP00 000365 773	9606.ENS P0000033 3667	0	0	0	0	0.177	0.149	0.545	0.654
ITGA L	CD4	1853 413	1842 167	9606.E NSP00 000349 252	9606.ENS P0000001 1653	0	0	0	0	0	0	0.654	0.654
IGFB P3	COL 1A1	1857 331	1843 064	9606.E NSP00 000370 473	9606.ENS P0000022 5964	0	0	0	0	0	0.576	0.216	0.653
TOP2 A	SHM T2	1860 923	1851 612	9606.E NSP00 000411 532	9606.ENS P0000033 3667	0.069	0	0	0	0.139	0	0.602	0.653
KIF2 0A	ASP M	1858 244	1854 584	9606.E NSP00 000378 356	9606.ENS P0000035 6379	0	0	0	0	0.511	0	0.321	0.653
ABC A1	SCD	1856 172	1855 232	9606.E NSP00 000363 868	9606.ENS P0000035 9380	0	0	0	0	0	0	0.653	0.653

NR11 3	PPA RGC 1A	1854 699	1845 634	9606.E NSP00 000356 958	9606.ENS P0000026 4867	0	0	0	0	0	0.566	0.235	0.653
BMP R1B	TGF B1	1845 568	1842 869	9606.E NSP00 000264 568	9606.ENS P0000022 1930	0	0	0	0	0	0.149	0.607	0.652
ALO X5	LOX	1856 107	1843 271	9606.E NSP00 000363 512	9606.ENS P0000023 1004	0	0	0	0	0	0	0.652	0.652
PAPP A	PLG	1851 275	1849 130	9606.E NSP00 000330 658	9606.ENS P0000030 8938	0	0	0	0	0	0.576	0.215	0.652
MMP 9	ITG A5	1855 661	1847 411	9606.E NSP00 000361 405	9606.ENS P0000029 3379	0	0	0	0	0	0.576	0.214	0.652
C1orf 114	CCD C148	1854 662	1846 841	9606.E NSP00 000356 779	9606.ENS P0000028 3233	0	0	0	0	0	0	0.652	0.652



MTH FD2	GLD C	1858 157	1857 365	9606.E NSP00 000377 617	9606.ENS P0000037 0737	0.222	0	0	0	0.254	0	0.447	0.651
STK3 2A	PRK AR2 B	1858 546	1845 791	9606.E NSP00 000381 030	9606.ENS P0000026 5717	0	0.004	0	0	0	0.107	0.625	0.651
THR B	CCN D1	1853 357	1843 117	9606.E NSP00 000348 827	9606.ENS P0000022 7507	0	0	0	0	0	0.576	0.212	0.651
ANX A4	ANX A3	1858 179	1845 641	9606.E NSP00 000377 833	9606.ENS P0000026 4908	0	0	0	0.956	0	0.644	0.503	0.651
UMO D	AQP 2	1848 826	1842 380	9606.E NSP00 000306 279	9606.ENS P0000019 9280	0	0	0	0	0	0	0.65	0.65
FOXI 1	ATP 6V0 A4	1848 621	1844 258	9606.E NSP00 000304 286	9606.ENS P0000025 3856	0	0	0	0	0	0	0.65	0.65

VWF	COL 1A1	1844 904	1843 064	9606.E NSP00 000261 405	9606.ENS P0000022 5964	0	0	0	0	0	0.576	0.209	0.65
CD36	ALB	1849 038	1847 637	9606.E NSP00 000308 165	9606.ENS P0000029 5897	0	0	0	0	0	0	0.649	0.649
SMI M5	TME M52 B	1856 259	1847 967	9606.E NSP00 000364 363	9606.ENS P0000029 8530	0	0	0	0	0	0	0.649	0.649
FAB P6	FAB P7	1858 148	1854 799	9606.E NSP00 000377 549	9606.ENS P0000035 7429	0	0	0	0	0	0	0.649	0.649
ALB	CCN D1	1847 637	1843 117	9606.E NSP00 000295 897	9606.ENS P0000022 7507	0	0	0	0	0	0	0.649	0.649
ITK	PLE K	1860 098	1843 395	9606.E NSP00 000398 655	9606.ENS P0000023 4313	0	0	0	0	0	0	0.649	0.649

CLN K	LCP2	1843 101	1842 217	9606.E NSP00 000226 951	9606.ENS P0000004 6794	0	0	0	0.684	0	0.576	0.564	0.649
TTK	EGL N3	1855 108	1844 011	9606.E NSP00 000358 813	9606.ENS P0000025 0457	0	0	0	0	0	0	0.649	0.649
RGC C	CCN D1	1857 014	1843 117	9606.E NSP00 000368 664	9606.ENS P0000022 7507	0	0	0	0	0	0	0.649	0.649
TOP2 A	NEK 6	1860 923	1855 945	9606.E NSP00 000411 532	9606.ENS P0000036 2702	0	0	0	0	0.108	0.605	0.083	0.648
RHO BTB 3	CCN E2	1857 125	1849 155	9606.E NSP00 000369 318	9606.ENS P0000030 9181	0	0	0	0	0	0	0.648	0.648
ICA M1	HMO X1	1845 628	1842 546	9606.E NSP00 000264 832	9606.ENS P0000021 6117	0	0	0	0	0	0	0.648	0.648

FAS	BTK	1853 242	1849 039	9606.E NSP00 000347 979	9606.ENS P0000030 8176	0	0	0	0	0	0.576	0.204	0.648
VEG FA	FGF1	1855 611	1852 115	9606.E NSP00 000361 125	9606.ENS P0000033 8548	0	0	0	0	0	0	0.648	0.648
SLC2 A1	PPA RGC 1A	1861 219	1845 634	9606.E NSP00 000416 293	9606.ENS P0000026 4867	0	0	0	0	0	0	0.647	0.648
FAS	MET	1853 242	1849 944	9606.E NSP00 000347 979	9606.ENS P0000031 7272	0	0	0	0	0	0.576	0.205	0.648
IL2R A	PTP N22	1857 121	1853 901	9606.E NSP00 000369 293	9606.ENS P0000035 2833	0	0	0	0	0	0	0.648	0.648
PCD H17	TCF2 1	1856 774	1843 456	9606.E NSP00 000367 151	9606.ENS P0000023 7316	0	0	0	0	0	0	0.648	0.648

ERB B4	PTP RO	1852 571	1846 712	9606.E NSP00 000342 235	9606.ENS P0000028 1171	0	0	0	0	0	0.114	0.618	0.647
ACL Y	RAS D1	1844 250	1843 042	9606.E NSP00 000253 792	9606.ENS P0000022 5688	0	0	0	0	0.072	0.103	0.61	0.647
CXC L10	VCA N	1848 754	1845 684	9606.E NSP00 000305 651	9606.ENS P0000026 5077	0	0	0	0	0	0.572	0.207	0.646
SUC LG1	SEL ENB P1	1858 135	1854 902	9606.E NSP00 000377 446	9606.ENS P0000035 7861	0	0	0	0	0	0.644	0.047	0.646
ESM 1	ITG AL	1857 378	1853 413	9606.E NSP00 000370 812	9606.ENS P0000034 9252	0	0	0	0	0	0.576	0.201	0.646
FSTL 1	TGF B1	1847 596	1842 869	9606.E NSP00 000295 633	9606.ENS P0000022 1930	0	0	0	0	0	0.561	0.228	0.646

HOX B9	CCN E2	1849 176	1849 155	9606.E NSP00 000309 439	9606.ENS P0000030 9181	0	0	0	0	0	0	0.645	0.645
NPH S1	FLT1	1856 951	1846 791	9606.E NSP00 000368 190	9606.ENS P0000028 2397	0	0	0	0	0	0	0.644	0.645
ACA N	TGM 2	1859 267	1854 355	9606.E NSP00 000387 356	9606.ENS P0000035 5330	0	0	0	0	0	0	0.645	0.645
TOP2 A	ACL Y	1860 923	1844 250	9606.E NSP00 000411 532	9606.ENS P0000025 3792	0	0	0	0	0.1	0	0.622	0.645
ALB	HMO X1	1847 637	1842 546	9606.E NSP00 000295 897	9606.ENS P0000021 6117	0	0	0	0	0	0	0.645	0.645
BMP 7	FGF1	1858 342	1852 115	9606.E NSP00 000379 204	9606.ENS P0000033 8548	0	0	0	0	0	0	0.645	0.645

CCN E2	HOX D10	1849 155	1843 966	9606.E NSP00 000309 181	9606.ENS P0000024 9501	0	0	0	0	0	0	0.645	0.645
CDK 1	KIF2 0A	1858 283	1858 244	9606.E NSP00 000378 699	9606.ENS P0000037 8356	0	0	0	0	0.283	0.102	0.494	0.645
FYB	DOC K2	1861 668	1844 476	9606.E NSP00 000425 845	9606.ENS P0000025 6935	0	0	0	0	0	0.567	0.215	0.645
ACA N	TIM P1	1859 267	1842 705	9606.E NSP00 000387 356	9606.ENS P0000021 8388	0	0	0	0	0	0	0.645	0.645
KIF2 0A	PLK 2	1858 244	1846 372	9606.E NSP00 000378 356	9606.ENS P0000027 4289	0	0	0	0	0.181	0	0.584	0.645
IGFB P3	CAV 1	1857 331	1852 186	9606.E NSP00 000370 473	9606.ENS P0000033 9191	0	0	0	0	0	0.576	0.196	0.644

SFX N2	IKBI P	1855 130	1848 022	9606.E NSP00 000358 909	9606.ENS P0000029 9157	0	0	0	0	0	0.644	0	0.644
CSF1 R	SCA RB1	1847 002	1844 967	9606.E NSP00 000286 301	9606.ENS P0000026 1693	0	0	0	0	0	0	0.644	0.644
SLC1 2A3	KLH L3	1860 326	1849 529	9606.E NSP00 000402 152	9606.ENS P0000031 2397	0	0	0	0	0	0.576	0.197	0.644
PLK1	KIF2 0B	1848 135	1844 820	9606.E NSP00 000300 093	9606.ENS P0000026 0753	0	0	0	0	0.181	0	0.583	0.644
SLC9 A3	ATP 12A	1845 649	1842 709	9606.E NSP00 000264 938	9606.ENS P0000021 8548	0	0	0	0	0	0.116	0.614	0.644
PDP2	CSF1 R	1849 193	1847 002	9606.E NSP00 000309 548	9606.ENS P0000028 6301	0.462	0	0	0	0	0.109	0.317	0.644



PFKP	CAV 1	1857 335	1852 186	9606.E NSP00 000370 517	9606.ENS P0000033 9191	0	0	0	0	0	0	0.644	0.644
MAP K10	MMP 1	1853 804	1850 481	9606.E NSP00 000352 157	9606.ENS P0000032 2788	0	0	0	0	0	0	0.644	0.644
HSF4	RPS6 KA6	1845 455	1845 209	9606.E NSP00 000264 009	9606.ENS P0000026 2752	0	0	0	0	0	0.096	0.622	0.644
GIT2	ASS1	1853 175	1844 185	9606.E NSP00 000347 464	9606.ENS P0000025 3004	0	0	0	0	0	0.644	0	0.644
FGF R2	PDP2	1860 837	1849 193	9606.E NSP00 000410 294	9606.ENS P0000030 9548	0.462	0	0	0	0	0.109	0.316	0.643
PDP2	BTK	1849 193	1849 039	9606.E NSP00 000309 548	9606.ENS P0000030 8176	0.462	0	0	0	0	0.109	0.316	0.643

CA9	VEG FA	1856 855	1855 611	9606.E NSP00 000367 608	9606.ENS P0000036 1125	0	0	0	0	0	0	0.643	0.643
PDP2	KDR	1849 193	1845 437	9606.E NSP00 000309 548	9606.ENS P0000026 3923	0.462	0	0	0	0	0.109	0.316	0.643
CCL 5	ICA M1	1847 396	1845 628	9606.E NSP00 000293 272	9606.ENS P0000026 4832	0	0	0	0	0	0	0.643	0.643
JAK3	PDP2	1859 586	1849 193	9606.E NSP00 000391 676	9606.ENS P0000030 9548	0.462	0	0	0	0	0.109	0.316	0.643
HCK	PDP2	1856 392	1849 193	9606.E NSP00 000365 012	9606.ENS P0000030 9548	0.462	0	0	0	0	0.109	0.316	0.643
PTPR C	CD3 6	1854 576	1849 038	9606.E NSP00 000356 346	9606.ENS P0000030 8165	0	0	0	0	0	0	0.643	0.643

MET	PDP2	1849 944	1849 193	9606.E NSP00 000317 272	9606.ENS P0000030 9548	0.462	0	0	0	0	0.109	0.316	0.643
CA8	TBX 3	1849 702	1844 516	9606.E NSP00 000314 407	9606.ENS P0000025 7566	0	0	0	0	0	0.597	0.151	0.643
ITK	PDP2	1860 098	1849 193	9606.E NSP00 000398 655	9606.ENS P0000030 9548	0.462	0	0	0	0	0.109	0.316	0.643
EPH A3	PDP2	1852 002	1849 193	9606.E NSP00 000337 451	9606.ENS P0000030 9548	0.462	0	0	0	0	0.109	0.316	0.643
PDP2	AXL	1849 193	1848 254	9606.E NSP00 000309 548	9606.ENS P0000030 1178	0.462	0	0	0	0	0.109	0.316	0.643
PDP2	FLT1	1849 193	1846 791	9606.E NSP00 000309 548	9606.ENS P0000028 2397	0.462	0	0	0	0	0.109	0.316	0.643

PDP2	PBK	1849 193	1848 348	9606.E NSP00 000309 548	9606.ENS P0000030 1905	0.462	0	0	0	0	0.109	0.316	0.643
PDP2	KIT	1849 193	1847 112	9606.E NSP00 000309 548	9606.ENS P0000028 8135	0.462	0	0	0	0	0.109	0.316	0.643
PRD X4	ACL Y	1857 012	1844 250	9606.E NSP00 000368 646	9606.ENS P0000025 3792	0	0	0	0	0.158	0	0.593	0.642
SAM HD1	BST2	1845 231	1844 139	9606.E NSP00 000262 878	9606.ENS P0000025 2593	0	0	0	0	0.072	0	0.631	0.642
MMP 1	SER PINE 1	1850 481	1842 959	9606.E NSP00 000322 788	9606.ENS P0000022 3095	0	0	0	0	0	0	0.642	0.642
STK3 2A	PIK3 CG	1858 546	1853 801	9606.E NSP00 000381 030	9606.ENS P0000035 2121	0	0	0	0	0	0.251	0.54	0.64

KCN MA1	CAV 2	1859 069	1842 935	9606.E NSP00 000385 806	9606.ENS P0000022 2693	0	0	0	0	0	0.566	0.206	0.64
FAS	CD2 7	1853 242	1845 882	9606.E NSP00 000347 979	9606.ENS P0000026 6557	0	0	0	0	0	0	0.64	0.64
PBK	CCN B2	1848 348	1847 117	9606.E NSP00 000301 905	9606.ENS P0000028 8207	0	0	0	0	0.458	0.149	0.281	0.639
HK2	ENO 2	1847 242	1843 192	9606.E NSP00 000290 573	9606.ENS P0000022 9277	0	0	0	0	0.077	0	0.625	0.639
CLC NKA	AQP 2	1851 515	1842 380	9606.E NSP00 000332 771	9606.ENS P0000019 9280	0	0	0	0	0	0	0.639	0.639
MAP K10	CD3 6	1853 804	1849 038	9606.E NSP00 000352 157	9606.ENS P0000030 8165	0	0	0	0	0	0	0.638	0.638

SCN N1A	PRSS 8	1853 964	1850 177	9606.E NSP00 000353 292	9606.ENS P0000031 9730	0	0	0	0	0	0	0.637	0.637
CNK SR1	SAM D12	1854 168	1849 689	9606.E NSP00 000354 609	9606.ENS P0000031 4173	0	0	0	0	0	0.591	0.15	0.637
ATA D2	ASF1 B	1847 066	1845 347	9606.E NSP00 000287 394	9606.ENS P0000026 3382	0	0	0	0	0	0.591	0.151	0.637
MYC	ANG PTL4	1856 789	1848 295	9606.E NSP00 000367 207	9606.ENS P0000030 1455	0	0	0	0	0	0.57	0.191	0.637
OGD HL	LDH B	1856 045	1843 197	9606.E NSP00 000363 216	9606.ENS P0000022 9319	0.284	0	0	0	0.331	0	0.301	0.636
ICA M1	TIM P1	1845 628	1842 705	9606.E NSP00 000264 832	9606.ENS P0000021 8388	0	0	0	0	0	0	0.636	0.636

SLC2 2A8	ABC B1	1851 983	1845 794	9606.E NSP00 000337 335	9606.ENS P0000026 5724	0	0	0	0	0	0	0.636	0.636
ALB	ERB B2	1847 637	1846 101	9606.E NSP00 000295 897	9606.ENS P0000026 9571	0	0	0	0	0	0	0.636	0.636
KRT 7	EPC AM	1851 127	1845 405	9606.E NSP00 000329 243	9606.ENS P0000026 3735	0	0	0	0	0	0	0.636	0.636
ALB	DNA SE1	1847 637	1843 845	9606.E NSP00 000295 897	9606.ENS P0000024 6949	0	0	0	0	0	0	0.636	0.636
ALB	ITG AX	1847 637	1846 012	9606.E NSP00 000295 897	9606.ENS P0000026 8296	0	0	0	0	0	0	0.636	0.636
F11	VWF	1858 999	1844 904	9606.E NSP00 000384 957	9606.ENS P0000026 1405	0	0	0	0	0	0	0.636	0.636

PLK1	PLK 2	1848 135	1846 372	9606.E NSP00 000300 093	9606.ENS P0000027 4289	0	0	0	0.852	0	0.576	0.944	0.635
TRP M6	CLD N16	1854 063	1845 612	9606.E NSP00 000354 006	9606.ENS P0000026 4734	0	0	0	0	0	0	0.635	0.635
CYFI P2	PLG	1850 773	1849 130	9606.E NSP00 000325 817	9606.ENS P0000030 8938	0	0	0	0	0	0.635	0	0.635
PGF	PAP PA	1862 737	1851 275	9606.E NSP00 000451 040	9606.ENS P0000033 0658	0	0	0	0	0	0	0.634	0.634
MAP K4	PTP N22	1858 818	1853 901	9606.E NSP00 000383 234	9606.ENS P0000035 2833	0	0	0	0	0	0.318	0.486	0.634
FGF9	SLC6 A3	1857 512	1846 148	9606.E NSP00 000371 790	9606.ENS P0000027 0349	0	0	0	0	0	0	0.634	0.634



BIRC 3	CCN D1	1845 359	1843 117	9606.E NSP00 000263 464	9606.ENS P0000022 7507	0	0	0	0	0	0	0.634	0.634
MAP K10	SCA RB1	1853 804	1844 967	9606.E NSP00 000352 157	9606.ENS P0000026 1693	0	0	0	0	0	0	0.634	0.634
ACL Y	HSP A2	1844 250	1843 861	9606.E NSP00 000253 792	9606.ENS P0000024 7207	0	0	0	0	0.099	0	0.61	0.634
PIK3 CG	BTK	1853 801	1849 039	9606.E NSP00 000352 121	9606.ENS P0000030 8176	0	0	0	0	0.07	0.088	0.603	0.634
KIF1 1	NCA PG	1844 817	1844 063	9606.E NSP00 000260 731	9606.ENS P0000025 1496	0	0	0	0	0.455	0	0.357	0.634
SLC2 A14	HK2	1858 405	1847 242	9606.E NSP00 000379 834	9606.ENS P0000029 0573	0	0	0	0	0.073	0	0.621	0.634

GLD C	ACL Y	1857 365	1844 250	9606.E NSP00 000370 737	9606.ENS P0000025 3792	0	0	0	0	0.289	0	0.505	0.633
SLC2 2A6	SLC4 7A2	1856 766	1850 858	9606.E NSP00 000367 102	9606.ENS P0000032 6671	0	0	0	0	0	0	0.633	0.633
TOP2 A	AGP AT9	1860 923	1845 541	9606.E NSP00 000411 532	9606.ENS P0000026 4409	0.205	0	0	0	0	0	0.558	0.633
MYC	PLA 2R1	1856 789	1846 842	9606.E NSP00 000367 207	9606.ENS P0000028 3243	0	0	0	0	0	0	0.633	0.633
ALB	ATP 12A	1847 637	1842 709	9606.E NSP00 000295 897	9606.ENS P0000021 8548	0	0	0	0	0	0	0.633	0.633
BAR X2	CDH 9	1846 724	1843 273	9606.E NSP00 000281 437	9606.ENS P0000023 1021	0	0	0	0	0	0	0.633	0.633

MMP 1	TGF B1	1850 481	1842 869	9606.E NSP00 000322 788	9606.ENS P0000022 1930	0	0	0	0	0	0	0.633	0.633
CD2	CR2	1855 033	1854 505	9606.E NSP00 000358 490	9606.ENS P0000035 6024	0	0	0	0	0	0	0.633	0.633
MMP 1	PLG	1850 481	1849 130	9606.E NSP00 000322 788	9606.ENS P0000030 8938	0	0	0	0	0	0	0.632	0.632
NUS AP1	KIF1 1	1862 836	1844 817	9606.E NSP00 000453 403	9606.ENS P0000026 0731	0	0	0	0	0.448	0	0.361	0.632
MAP K4	DUS P9	1858 818	1852 985	9606.E NSP00 000383 234	9606.ENS P0000034 5853	0	0	0	0	0	0.254	0.527	0.632
NED D4L	KCN J1	1858 810	1858 031	9606.E NSP00 000383 199	9606.ENS P0000037 6432	0	0	0	0	0	0	0.632	0.632

CAS Z1	HOX D10	1856 591	1843 966	9606.E NSP00 000366 221	9606.ENS P0000024 9501	0	0	0	0	0	0	0.632	0.632
CP	LOX	1845 575	1843 271	9606.E NSP00 000264 613	9606.ENS P0000023 1004	0	0	0	0	0	0	0.632	0.632
CAS Z1	HOX B9	1856 591	1849 176	9606.E NSP00 000366 221	9606.ENS P0000030 9439	0	0	0	0	0	0	0.632	0.632
TRP V6	CYP 24A1	1853 837	1842 627	9606.E NSP00 000352 358	9606.ENS P0000021 6862	0	0	0	0	0	0	0.632	0.632
PCC B	ACL Y	1861 392	1844 250	9606.E NSP00 000419 027	9606.ENS P0000025 3792	0.09	0	0	0	0.089	0	0.591	0.631
CDK N3	MAG I3	1851 839	1848 655	9606.E NSP00 000335 357	9606.ENS P0000030 4604	0	0	0	0	0	0	0.631	0.631

DTL	RRM 2	1854 490	1854 033	9606.E NSP00 000355 958	9606.ENS P0000035 3770	0	0	0	0	0.16	0.3	0.423	0.631
USP2	CCN D1	1844 761	1843 117	9606.E NSP00 000260 187	9606.ENS P0000022 7507	0	0	0	0	0	0.576	0.167	0.631
NR1I 3	ABC B1	1854 699	1845 794	9606.E NSP00 000356 958	9606.ENS P0000026 5724	0	0	0	0	0	0	0.631	0.631
TRP M3	MCO LN3	1856 613	1848 676	9606.E NSP00 000366 314	9606.ENS P0000030 4843	0	0	0	0	0	0	0.631	0.631
SERP INA5	ALB	1851 559	1847 637	9606.E NSP00 000333 203	9606.ENS P0000029 5897	0	0	0	0	0	0	0.631	0.631
CD36	VWF	1849 038	1844 904	9606.E NSP00 000308 165	9606.ENS P0000026 1405	0	0	0	0	0	0	0.63	0.63

SLC4 A9	SLC2 6A4	1861 629	1845 790	9606.E NSP00 000424 424	9606.ENS P0000026 5715	0	0	0	0	0	0	0.63	0.63
TGM 2	TGF B1	1854 355	1842 869	9606.E NSP00 000355 330	9606.ENS P0000022 1930	0	0	0	0	0	0	0.63	0.63
ADH 1B	LDH B	1848 863	1843 197	9606.E NSP00 000306 606	9606.ENS P0000022 9319	0	0	0	0	0.069	0	0.619	0.63
CD2	KIT	1855 033	1847 112	9606.E NSP00 000358 490	9606.ENS P0000028 8135	0	0	0	0	0	0	0.63	0.63
ABC A4	TGF B1	1855 201	1842 869	9606.E NSP00 000359 245	9606.ENS P0000022 1930	0	0	0	0	0	0	0.629	0.629
KCN J1	SCN N1G	1858 031	1848 129	9606.E NSP00 000376 432	9606.ENS P0000030 0061	0	0	0	0	0	0	0.629	0.629

SLC2 6A4	ATP 6V1 B1	1845 790	1843 400	9606.E NSP00 000265 715	9606.ENS P0000023 4396	0	0	0	0	0.112	0	0.599	0.629
PDE7 B	PRK AR2 B	1849 328	1845 791	9606.E NSP00 000310 661	9606.ENS P0000026 5717	0	0	0	0	0.157	0	0.578	0.629
VNN 2	ITGB 2	1850 433	1848 511	9606.E NSP00 000322 276	9606.ENS P0000030 3242	0	0	0	0	0	0.576	0.162	0.629
CEN PI	XPB PEP2	1855 785	1855 403	9606.E NSP00 000362 018	9606.ENS P0000036 0147	0	0	0	0	0	0	0.629	0.629
FAS	ANK 3	1853 242	1846 690	9606.E NSP00 000347 979	9606.ENS P0000028 0772	0	0	0	0	0	0.576	0.163	0.629
BTK	TLR 2	1849 039	1844 747	9606.E NSP00 000308 176	9606.ENS P0000026 0010	0	0	0	0	0	0.1	0.604	0.628

ERB B2	SLC1 A3	1846 101	1845 695	9606.E NSP00 000269 571	9606.ENS P0000026 5113	0	0	0	0	0	0	0.627	0.628
ITGA 5	ERB B2	1847 411	1846 101	9606.E NSP00 000293 379	9606.ENS P0000026 9571	0	0	0	0	0	0.576	0.159	0.628
DEG S1	EGF R	1849 873	1846 445	9606.E NSP00 000316 476	9606.ENS P0000027 5493	0	0	0	0	0	0.576	0.16	0.628
MMP 9	HAP LN1	1855 661	1846 376	9606.E NSP00 000361 405	9606.ENS P0000027 4341	0	0	0	0	0	0.566	0.179	0.628
P2R X7	ENT PD1	1862 216	1855 432	9606.E NSP00 000442 349	9606.ENS P0000036 0250	0	0	0	0	0	0	0.627	0.627
TRP V5	AQP 2	1845 722	1842 380	9606.E NSP00 000265 310	9606.ENS P0000019 9280	0	0	0	0	0	0.075	0.613	0.627



THR B	PPA RGC 1A	1853 357	1845 634	9606.E NSP00 000348 827	9606.ENS P0000026 4867	0	0	0	0	0	0.576	0.157	0.627
CD53	CD4	1846 188	1842 167	9606.E NSP00 000271 324	9606.ENS P0000001 1653	0	0	0	0	0	0.57	0.166	0.626
ESR RB	TBX 3	1857 301	1844 516	9606.E NSP00 000370 270	9606.ENS P0000025 7566	0	0	0	0	0	0	0.625	0.626
ARL 4D	ACL Y	1850 470	1844 250	9606.E NSP00 000322 628	9606.ENS P0000025 3792	0	0	0	0	0.072	0.103	0.587	0.626
SLC1 6A10	SLC7 A8	1854 900	1850 240	9606.E NSP00 000357 844	9606.ENS P0000032 0378	0	0	0	0	0	0.102	0.599	0.625
KCN E3	KCN J2	1849 309	1843 671	9606.E NSP00 000310 557	9606.ENS P0000024 3457	0	0	0	0	0	0	0.625	0.625

KIF2 0A	BUB 1B	1858 244	1847 075	9606.E NSP00 000378 356	9606.ENS P0000028 7598	0	0	0	0	0.181	0.224	0.458	0.625
F11	SER PINA 5	1858 999	1851 559	9606.E NSP00 000384 957	9606.ENS P0000033 3203	0.083	0	0	0	0	0.567	0.132	0.625
CEN PE	TUB B2B	1845 701	1844 727	9606.E NSP00 000265 148	9606.ENS P0000025 9818	0	0	0	0	0	0.26	0.514	0.625
P2R X7	MYH 10	1862 216	1846 079	9606.E NSP00 000442 349	9606.ENS P0000026 9243	0	0	0	0	0	0	0.625	0.625
PRC1	ANL N	1858 173	1845 802	9606.E NSP00 000377 793	9606.ENS P0000026 5748	0	0	0	0	0.237	0	0.529	0.625
CD48	CD4	1854 716	1842 167	9606.E NSP00 000357 025	9606.ENS P0000001 1653	0	0	0	0	0	0	0.624	0.624

FAS	NOL 3	1853 242	1846 024	9606.E NSP00 000347 979	9606.ENS P0000026 8605	0	0	0	0	0	0.57	0.163	0.624
FGF R2	PTP RC	1860 837	1854 576	9606.E NSP00 000410 294	9606.ENS P0000035 6346	0	0	0	0	0	0.074	0.61	0.624
SKA 3	CEN PE	1850 147	1845 701	9606.E NSP00 000319 417	9606.ENS P0000026 5148	0	0	0	0	0.176	0	0.345	0.624
PCK 1	SCD 5	1850 185	1849 862	9606.E NSP00 000319 814	9606.ENS P0000031 6329	0	0	0	0	0	0	0.624	0.624
CR2	CD2 7	1854 505	1845 882	9606.E NSP00 000356 024	9606.ENS P0000026 6557	0	0	0	0	0	0	0.623	0.623
ITGA 4	CD4	1858 446	1842 167	9606.E NSP00 000380 227	9606.ENS P0000001 1653	0	0	0	0	0	0	0.623	0.623

DNA H11	TUB B2B	1851 276	1844 727	9606.E NSP00 000330 671	9606.ENS P0000025 9818	0	0	0	0	0	0.394	0.404	0.623
TLR7	LY86	1857 265	1843 258	9606.E NSP00 000370 034	9606.ENS P0000023 0568	0	0	0	0	0.066	0.602	0.068	0.623
PTP N22	TNF AIP3	1853 901	1843 455	9606.E NSP00 000352 833	9606.ENS P0000023 7289	0	0	0	0	0	0	0.623	0.623
PTPR C	FLT1	1854 576	1846 791	9606.E NSP00 000356 346	9606.ENS P0000028 2397	0	0	0	0	0	0.074	0.609	0.623
JAK3	CD3 E	1859 586	1854 149	9606.E NSP00 000391 676	9606.ENS P0000035 4566	0	0	0	0	0	0.576	0.148	0.623
MYO F	ANO 5	1853 814	1849 779	9606.E NSP00 000352 208	9606.ENS P0000031 5371	0	0	0	0	0	0	0.623	0.623

LYZ	CLE C2B	1844 877	1843 142	9606.E NSP00 000261 267	9606.ENS P0000022 8438	0	0	0	0	0	0	0.623	0.623
NRP 2	PLX ND1	1854 002	1849 931	9606.E NSP00 000353 582	9606.ENS P0000031 7128	0	0	0	0	0	0.075	0.609	0.622
PPA RGC 1A	SLC2 A3	1845 634	1842 244	9606.E NSP00 000264 867	9606.ENS P0000007 5120	0	0	0	0	0	0	0.621	0.622
NDC 80	HIST 1H3 B	1844 946	1843 731	9606.E NSP00 000261 597	9606.ENS P0000024 4661	0	0	0	0	0	0.299	0.484	0.622
CDK 1	NDC 80	1858 283	1844 946	9606.E NSP00 000378 699	9606.ENS P0000026 1597	0	0	0	0	0.431	0	0.363	0.622
HIST 1H3I	NDC 80	1851 162	1844 946	9606.E NSP00 000329 554	9606.ENS P0000026 1597	0	0	0	0	0	0.299	0.484	0.622

NCK 1	NTR K2	1847 149	1846 523	9606.E NSP00 000288 986	9606.ENS P0000027 7120	0	0	0	0	0	0.567	0.163	0.622
CCN A2	KIF1 1	1846 354	1844 817	9606.E NSP00 000274 026	9606.ENS P0000026 0731	0	0	0	0	0.288	0.104	0.456	0.622
RAB 25	ACL Y	1854 111	1844 250	9606.E NSP00 000354 376	9606.ENS P0000025 3792	0	0	0	0	0.072	0.103	0.582	0.621
ACL Y	RAS L11B	1844 250	1843 927	9606.E NSP00 000253 792	9606.ENS P0000024 8706	0	0	0	0	0.072	0.103	0.582	0.621
RHO H	ACL Y	1857 435	1844 250	9606.E NSP00 000371 219	9606.ENS P0000025 3792	0	0	0	0	0.072	0.103	0.582	0.621
RHO BTB 3	ACL Y	1857 125	1844 250	9606.E NSP00 000369 318	9606.ENS P0000025 3792	0	0	0	0	0.072	0.103	0.582	0.621

SLC9 A3	ATP 6V0 A4	1845 649	1844 258	9606.E NSP00 000264 938	9606.ENS P0000025 3856	0	0	0	0	0.113	0	0.59	0.621
DIR AS2	ACL Y	1856 374	1844 250	9606.E NSP00 000364 919	9606.ENS P0000025 3792	0	0	0	0	0.072	0.103	0.582	0.621
FUT6	SELP LG	1847 043	1843 143	9606.E NSP00 000286 955	9606.ENS P0000022 8463	0	0	0	0	0	0	0.621	0.621
ACL Y	RER GL	1844 250	1843 177	9606.E NSP00 000253 792	9606.ENS P0000022 9002	0	0	0	0	0.072	0.103	0.582	0.621
KL	CYP 27B1	1857 155	1843 152	9606.E NSP00 000369 442	9606.ENS P0000022 8606	0	0	0	0	0	0	0.621	0.621
ACL Y	RAC 2	1844 250	1843 949	9606.E NSP00 000253 792	9606.ENS P0000024 9071	0	0	0	0	0.072	0.103	0.582	0.621

ARL 4C	ACL Y	1857 876	1844 250	9606.E NSP00 000375 057	9606.ENS P0000025 3792	0	0	0	0	0.072	0.103	0.582	0.621
PRD X4	BIRC 3	1857 012	1845 359	9606.E NSP00 000368 646	9606.ENS P0000026 3464	0	0	0	0	0	0.255	0.512	0.621
ABC A1	ABC A12	1856 172	1846 282	9606.E NSP00 000363 868	9606.ENS P0000027 2895	0	0	0	0.841	0	0.576	0.667	0.62
PLA U	PLA T	1855 748	1842 802	9606.E NSP00 000361 850	9606.ENS P0000022 0809	0	0	0	0.887	0	0.576	0.933	0.62
TRP M6	TRP V6	1854 063	1853 837	9606.E NSP00 000354 006	9606.ENS P0000035 2358	0	0	0	0	0	0	0.62	0.62
CTH	SHM T2	1855 373	1851 612	9606.E NSP00 000359 976	9606.ENS P0000033 3667	0	0	0	0	0	0	0.62	0.62



ERB B4	CAV 1	1852 571	1852 186	9606.E NSP00 000342 235	9606.ENS P0000033 9191	0	0	0	0	0	0	0.619	0.62
BTK	PIP5 K1B	1849 039	1845 741	9606.E NSP00 000308 176	9606.ENS P0000026 5382	0	0	0	0	0	0.593	0.102	0.619
KIF1 3B	TUB B2B	1861 724	1844 727	9606.E NSP00 000427 900	9606.ENS P0000025 9818	0	0	0	0	0	0.191	0.549	0.619
GLD C	ASS1	1857 365	1844 185	9606.E NSP00 000370 737	9606.ENS P0000025 3004	0	0	0	0	0	0	0.619	0.619
BUB 1	PXD N	1848 415	1844 162	9606.E NSP00 000302 530	9606.ENS P0000025 2804	0	0	0	0	0	0	0.619	0.619
MAP 3K15	SH3P XD2 B	1852 955	1849 216	9606.E NSP00 000345 629	9606.ENS P0000030 9714	0	0	0	0	0	0.561	0.165	0.618

PLA U	ST14	1855 748	1846 581	9606.E NSP00 000361 850	9606.ENS P0000027 8742	0	0	0	0.706	0	0.564	0.447	0.618
CCN E2	CCN A2	1849 155	1846 354	9606.E NSP00 000309 181	9606.ENS P0000027 4026	0	0	0	0.679	0.288	0.303	0.828	0.618
HCK	BTK	1856 392	1849 039	9606.E NSP00 000365 012	9606.ENS P0000030 8176	0	0	0	0.872	0	0.566	0.948	0.618
EPB4 1	BCA M	1852 914	1846 140	9606.E NSP00 000345 259	9606.ENS P0000027 0233	0	0	0	0	0	0.576	0.136	0.618
PNC K	PFK FB2	1860 564	1854 509	9606.E NSP00 000405 950	9606.ENS P0000035 6047	0	0	0	0	0	0	0.617	0.617
ITGA X	PCK 2	1846 012	1842 620	9606.E NSP00 000268 296	9606.ENS P0000021 6780	0	0	0	0	0	0	0.616	0.617

FOX M1	CCN A2	1852 579	1846 354	9606.E NSP00 000342 307	9606.ENS P0000027 4026	0	0	0	0	0.129	0.1	0.55	0.617
PRC1	PLK 2	1858 173	1846 372	9606.E NSP00 000377 793	9606.ENS P0000027 4289	0	0	0	0	0.254	0	0.508	0.617
CAV 1	NTR K2	1852 186	1846 523	9606.E NSP00 000339 191	9606.ENS P0000027 7120	0	0	0	0	0	0	0.617	0.617
SCD	CD3 6	1855 232	1849 038	9606.E NSP00 000359 380	9606.ENS P0000030 8165	0	0	0	0	0	0	0.616	0.616
CD36	ITG AX	1849 038	1846 012	9606.E NSP00 000308 165	9606.ENS P0000026 8296	0	0	0	0	0	0	0.616	0.616
KIF2 0A	CEP5 5	1858 244	1855 493	9606.E NSP00 000378 356	9606.ENS P0000036 0540	0	0	0	0	0.145	0.097	0.542	0.616

CDK 1	VIM	1858 283	1842 995	9606.E NSP00 000378 699	9606.ENS P0000022 4237	0	0	0	0	0	0.576	0.129	0.615
HAU S6	NDC 80	1857 235	1844 946	9606.E NSP00 000369 871	9606.ENS P0000026 1597	0	0	0	0	0.11	0	0.586	0.615
ITK	CAV 1	1860 098	1852 186	9606.E NSP00 000398 655	9606.ENS P0000033 9191	0	0	0	0	0	0	0.615	0.615
ITGA 4	VCA N	1858 446	1845 684	9606.E NSP00 000380 227	9606.ENS P0000026 5077	0	0	0	0	0	0.572	0.138	0.615
CCN E2	GJA1	1849 155	1846 806	9606.E NSP00 000309 181	9606.ENS P0000028 2561	0	0	0	0	0	0	0.614	0.615
HK2	TRE H	1847 242	1845 463	9606.E NSP00 000290 573	9606.ENS P0000026 4029	0	0	0	0	0.115	0	0.583	0.615

LAP TM5	TNF AIP3	1847 490	1843 455	9606.E NSP00 000294 507	9606.ENS P0000023 7289	0	0	0	0	0	0.615	0	0.615
KIF2 0A	NUF 2	1858 244	1846 198	9606.E NSP00 000378 356	9606.ENS P0000027 1452	0	0	0	0	0.145	0.266	0.434	0.614
FLT1	GRB 14	1846 791	1845 434	9606.E NSP00 000282 397	9606.ENS P0000026 3915	0	0	0	0	0	0	0.614	0.614
PBX 1	HOX A2	1860 561	1842 936	9606.E NSP00 000405 890	9606.ENS P0000022 2718	0	0	0	0	0	0.149	0.565	0.614
TOP2 A	HSP A2	1860 923	1843 861	9606.E NSP00 000411 532	9606.ENS P0000024 7207	0	0	0	0	0	0.108	0.585	0.614
PTPR C	TLR 2	1854 576	1844 747	9606.E NSP00 000356 346	9606.ENS P0000026 0010	0	0	0	0	0	0.101	0.589	0.614

EPB4 1	EGF R	1852 914	1846 445	9606.E NSP00 000345 259	9606.ENS P0000027 5493	0	0	0	0	0	0.576	0.125	0.613
SLC2 2A7	ABC C3	1855 714	1846 952	9606.E NSP00 000361 666	9606.ENS P0000028 5238	0	0	0	0	0	0	0.613	0.613
TRP M6	SLC4 1A2	1854 063	1844 620	9606.E NSP00 000354 006	9606.ENS P0000025 8538	0	0	0	0	0	0	0.613	0.613
SLC2 2A8	ABC C3	1851 983	1846 952	9606.E NSP00 000337 335	9606.ENS P0000028 5238	0	0	0	0	0	0	0.613	0.613
CIQ A	FN1	1856 156	1853 098	9606.E NSP00 000363 773	9606.ENS P0000034 6839	0	0	0	0	0	0.576	0.126	0.613
HK2	SLC2 A3	1847 242	1842 244	9606.E NSP00 000290 573	9606.ENS P0000007 5120	0	0	0	0	0.073	0	0.599	0.613

EIF4 EBP1	SGK 2	1852 358	1852 346	9606.E NSP00 000340 691	9606.ENS P0000034 0608	0	0	0	0	0	0.111	0.582	0.613
PHG DH	SHM T2	1855 016	1851 612	9606.E NSP00 000358 417	9606.ENS P0000033 3667	0	0	0	0	0	0	0.612	0.612
PTPR C	ITG A5	1854 576	1847 411	9606.E NSP00 000356 346	9606.ENS P0000029 3379	0	0	0	0	0	0.091	0.591	0.612
SLC O2B1	ABC C3	1847 180	1846 952	9606.E NSP00 000289 575	9606.ENS P0000028 5238	0	0	0	0	0	0	0.611	0.611
FGF R2	GRH L2	1860 837	1844 083	9606.E NSP00 000410 294	9606.ENS P0000025 1808	0	0	0	0	0	0	0.611	0.611
INPP 5D	NCK 1	1853 868	1847 149	9606.E NSP00 000352 575	9606.ENS P0000028 8986	0	0	0	0	0	0.574	0.126	0.611

TOP2 A	MTH FD2	1860 923	1858 157	9606.E NSP00 000411 532	9606.ENS P0000037 7617	0.269	0	0	0	0.071	0	0.474	0.611
SLIT 2	UNC 5B	1861 570	1851 710	9606.E NSP00 000422 591	9606.ENS P0000033 4329	0	0	0	0	0	0	0.611	0.611
CTSS	C1Q B	1854 929	1849 670	9606.E NSP00 000357 981	9606.ENS P0000031 3967	0	0	0	0	0.143	0	0.565	0.611
HOX B9	B4G ALN T2	1849 176	1848 176	9606.E NSP00 000309 439	9606.ENS P0000030 0404	0	0	0	0	0	0	0.61	0.61
MKI 67	PDE 1A	1854 841	1851 361	9606.E NSP00 000357 643	9606.ENS P0000033 1574	0	0	0	0	0	0	0.61	0.61
SERP INA5	KLK 1	1851 559	1848 291	9606.E NSP00 000333 203	9606.ENS P0000030 1420	0.083	0	0	0	0	0.576	0.078	0.61



CLC NKA	CLIC 5	1851 515	1842 349	9606.E NSP00 000332 771	9606.ENS P0000018 5206	0	0	0	0	0	0	0.188	0.61
SELE	RGS 5	1851 385	1850 136	9606.E NSP00 000331 736	9606.ENS P0000031 9308	0	0	0	0	0	0	0.61	0.61
SLC2 2A6	ABC B1	1856 766	1845 794	9606.E NSP00 000367 102	9606.ENS P0000026 5724	0	0	0	0	0	0	0.61	0.61
TRP M3	SCN N1G	1856 613	1848 129	9606.E NSP00 000366 314	9606.ENS P0000030 0061	0	0	0	0	0	0	0.608	0.609
KIA A010 1	ICA M1	1848 123	1845 628	9606.E NSP00 000300 035	9606.ENS P0000026 4832	0	0	0	0	0	0	0.609	0.609
PKH D1	UMO D	1855 407	1848 826	9606.E NSP00 000360 158	9606.ENS P0000030 6279	0	0	0	0	0	0	0.609	0.609

FLT1	SCA RB1	1846 791	1844 967	9606.E NSP00 000282 397	9606.ENS P0000026 1693	0	0	0	0	0	0.57	0.129	0.609
PRD X4	ERP2 7	1857 012	1845 869	9606.E NSP00 000368 646	9606.ENS P0000026 6397	0.248	0	0	0	0	0.3	0.317	0.609
ARH GAP 24	CAV 2	1858 278	1842 935	9606.E NSP00 000378 611	9606.ENS P0000022 2693	0	0	0	0	0	0	0.609	0.609
SCD 5	G6P C	1849 862	1844 254	9606.E NSP00 000316 329	9606.ENS P0000025 3801	0	0	0	0	0	0	0.609	0.609
PIGR	FCG R2A	1853 366	1846 197	9606.E NSP00 000348 888	9606.ENS P0000027 1450	0	0	0	0	0	0	0.609	0.609
CD53	UPK 1B	1846 188	1845 509	9606.E NSP00 000271 324	9606.ENS P0000026 4234	0	0	0	0	0	0	0.609	0.609

PRO DH2	ACL Y	1848 253	1844 250	9606.E NSP00 000301 175	9606.ENS P0000025 3792	0	0	0	0	0.272	0	0.486	0.609
B4G ALN T2	VWF	1848 176	1844 904	9606.E NSP00 000300 404	9606.ENS P0000026 1405	0	0	0	0	0	0	0.609	0.609
IGSF 11	CSF1 R	1858 121	1847 002	9606.E NSP00 000377 370	9606.ENS P0000028 6301	0	0	0	0	0	0	0.609	0.609
KLK 1	SLC1 4A2	1848 291	1844 366	9606.E NSP00 000301 420	9606.ENS P0000025 5226	0	0	0	0	0	0	0.608	0.608
NNT	ACL Y	1845 588	1844 250	9606.E NSP00 000264 663	9606.ENS P0000025 3792	0	0	0	0	0.112	0	0.577	0.608
SLC2 6A4	IYD	1845 790	1843 209	9606.E NSP00 000265 715	9606.ENS P0000022 9447	0	0	0	0	0	0	0.608	0.608

ENT PD1	ENP P1	1855 432	1854 095	9606.E NSP00 000360 250	9606.ENS P0000035 4238	0	0	0	0	0	0	0.608	0.608
BMP 7	VWC E	1858 342	1851 689	9606.E NSP00 000379 204	9606.ENS P0000033 4186	0	0	0	0	0	0	0.608	0.608
HEC W1	SCN N1A	1858 345	1853 964	9606.E NSP00 000379 228	9606.ENS P0000035 3292	0	0	0	0	0	0.572	0.122	0.608
LNX 1	RAS L11B	1845 438	1843 927	9606.E NSP00 000263 925	9606.ENS P0000024 8706	0	0	0	0	0	0.503	0.242	0.607
NET O2	NCK 1	1862 942	1847 149	9606.E NSP00 000455 169	9606.ENS P0000028 8986	0	0	0	0	0	0	0.607	0.607
ERP2 7	ACL Y	1845 869	1844 250	9606.E NSP00 000266 397	9606.ENS P0000025 3792	0	0	0	0	0.09	0.36	0.38	0.607

MMP 1	EGF R	1850 481	1846 445	9606.E NSP00 000322 788	9606.ENS P0000027 5493	0	0	0	0	0	0	0.607	0.607
FGF R2	ITG A5	1860 837	1847 411	9606.E NSP00 000410 294	9606.ENS P0000029 3379	0	0	0	0	0	0.576	0.112	0.607
ESM 1	ITGB 2	1857 378	1848 511	9606.E NSP00 000370 812	9606.ENS P0000030 3242	0	0	0	0	0	0.576	0.112	0.607
CLD N16	WN K4	1845 612	1843 844	9606.E NSP00 000264 734	9606.ENS P0000024 6914	0	0	0	0	0	0	0.607	0.607
PLA U	ENP P1	1855 748	1854 095	9606.E NSP00 000361 850	9606.ENS P0000035 4238	0	0	0	0	0	0	0.606	0.607
KCN E3	GPD 1L	1849 309	1846 804	9606.E NSP00 000310 557	9606.ENS P0000028 2541	0	0	0	0	0	0	0.607	0.607

CD37	UPK 1B	1850 765	1845 509	9606.E NSP00 000325 708	9606.ENS P0000026 4234	0	0	0	0	0	0	0.607	0.607
KCN MA1	PAG 1	1859 069	1842 793	9606.E NSP00 000385 806	9606.ENS P0000022 0597	0	0	0	0	0	0	0.607	0.607
GPH N	GLD C	1861 331	1857 365	9606.E NSP00 000417 901	9606.ENS P0000037 0737	0	0	0	0	0	0	0.607	0.607
SCN N1A	NTR K2	1853 964	1846 523	9606.E NSP00 000353 292	9606.ENS P0000027 7120	0	0	0	0	0	0	0.607	0.607
SCN N1G	NTR K2	1848 129	1846 523	9606.E NSP00 000300 061	9606.ENS P0000027 7120	0	0	0	0	0	0	0.607	0.607
HAP LN1	VCA N	1846 376	1845 684	9606.E NSP00 000274 341	9606.ENS P0000026 5077	0	0	0	0.878	0	0.576	0.633	0.607

PLE K	FER MT1	1843 395	1842 655	9606.E NSP00 000234 313	9606.ENS P0000021 7289	0	0	0	0	0	0	0.607	0.607
SLC2 A1	SOR T1	1861 219	1844 454	9606.E NSP00 000416 293	9606.ENS P0000025 6637	0	0	0	0	0	0	0.607	0.607
SOR T1	SLC2 A3	1844 454	1842 244	9606.E NSP00 000256 637	9606.ENS P0000007 5120	0	0	0	0	0	0	0.607	0.607
SLC2 A14	SLC1 6A7	1858 405	1844 858	9606.E NSP00 000379 834	9606.ENS P0000026 1187	0	0	0	0	0	0	0.607	0.607
MCO LN3	TRP A1	1848 676	1845 090	9606.E NSP00 000304 843	9606.ENS P0000026 2209	0	0	0	0	0	0	0.607	0.607
CAV 1	ABC B1	1852 186	1845 794	9606.E NSP00 000339 191	9606.ENS P0000026 5724	0	0	0	0	0	0.576	0.112	0.607

SLC2 A14	SOR T1	1858 405	1844 454	9606.E NSP00 000379 834	9606.ENS P0000025 6637	0	0	0	0	0	0	0.607	0.607
KCN J10	MCO LN3	1854 726	1848 676	9606.E NSP00 000357 068	9606.ENS P0000030 4843	0	0	0	0	0	0	0.606	0.606
TOP2 A	TPX 2	1860 923	1848 175	9606.E NSP00 000411 532	9606.ENS P0000030 0403	0	0	0	0	0.426	0	0.342	0.606
CD2	LGA LS1	1855 033	1842 521	9606.E NSP00 000358 490	9606.ENS P0000021 5909	0	0	0	0	0	0.576	0.109	0.606
CYB B	ITG AX	1856 898	1846 012	9606.E NSP00 000367 851	9606.ENS P0000026 8296	0	0	0	0	0	0	0.605	0.606
AQP 2	SCT R	1842 380	1842 186	9606.E NSP00 000199 280	9606.ENS P0000001 9103	0	0	0	0	0	0	0.606	0.606



NAA LAD L2	PAP PA	1860 488	1851 275	9606.E NSP00 000404 705	9606.ENS P0000033 0658	0	0	0	0	0	0	0.606	0.606
RHO H	CNK SR1	1857 435	1854 168	9606.E NSP00 000371 219	9606.ENS P0000035 4609	0	0	0	0	0	0.594	0.07	0.606
ITGA 5	ICA M1	1847 411	1845 628	9606.E NSP00 000293 379	9606.ENS P0000026 4832	0	0	0	0	0	0	0.606	0.606
PRO M1	ABC A4	1861 160	1855 201	9606.E NSP00 000415 481	9606.ENS P0000035 9245	0	0	0	0	0	0	0.606	0.606
RRM 2	CCN A2	1854 033	1846 354	9606.E NSP00 000353 770	9606.ENS P0000027 4026	0	0	0	0	0.157	0	0.552	0.606
TOP2 A	GLD C	1860 923	1857 365	9606.E NSP00 000411 532	9606.ENS P0000037 0737	0	0	0	0	0	0	0.606	0.606

NPH S2	APO L1	1854 633	1849 976	9606.E NSP00 000356 587	9606.ENS P0000031 7674	0	0	0	0	0	0	0.606	0.606
PFKF B4	ALD OC	1843 311	1843 081	9606.E NSP00 000232 375	9606.ENS P0000022 6253	0	0	0	0	0	0	0.604	0.605
PLA U	ENP P3	1855 748	1853 565	9606.E NSP00 000361 850	9606.ENS P0000035 0265	0	0	0	0	0	0	0.605	0.605
ACA N	TNN T2	1859 267	1854 566	9606.E NSP00 000387 356	9606.ENS P0000035 6286	0	0	0	0	0	0	0.605	0.605
NED D4L	SLC1 2A1	1858 810	1857 315	9606.E NSP00 000383 199	9606.ENS P0000037 0381	0	0	0	0	0	0.149	0.555	0.605
SLC1 5A2	PDZ D3	1861 264	1853 209	9606.E NSP00 000417 085	9606.ENS P0000034 7742	0	0	0	0	0	0.529	0.196	0.605

IGFB P3	PPA RGC 1A	1857 331	1845 634	9606.E NSP00 000370 473	9606.ENS P0000026 4867	0	0	0	0	0	0	0.605	0.605
RRM 2	DCL K1	1854 033	1844 379	9606.E NSP00 000353 770	9606.ENS P0000025 5448	0	0	0	0	0.115	0.252	0.452	0.605
TNF RSF1 0B	TNF AIP3	1846 494	1843 455	9606.E NSP00 000276 431	9606.ENS P0000023 7289	0	0	0	0	0	0.573	0.111	0.604
MYC	MET	1856 789	1849 944	9606.E NSP00 000367 207	9606.ENS P0000031 7272	0	0	0	0	0	0	0.604	0.604
KIF1 8A	KIF1 1	1845 299	1844 817	9606.E NSP00 000263 181	9606.ENS P0000026 0731	0	0	0	0.681	0.226	0.3	0.939	0.604
PPP1 R3B	PYG L	1849 055	1842 591	9606.E NSP00 000308 318	9606.ENS P0000021 6392	0	0	0	0	0.111	0.101	0.545	0.604

SLC1 6A7	SLC2 A3	1844 858	1842 244	9606.E NSP00 000261 187	9606.ENS P0000007 5120	0	0	0	0	0	0	0.603	0.603
PLA U	ENO 2	1855 748	1843 192	9606.E NSP00 000361 850	9606.ENS P0000022 9277	0	0	0	0	0	0	0.603	0.603
PPP1 RIA	SER PINE 1	1844 552	1842 959	9606.E NSP00 000257 905	9606.ENS P0000022 3095	0	0	0	0	0	0	0.603	0.603
NTN G1	UNC 5B	1855 169	1851 710	9606.E NSP00 000359 085	9606.ENS P0000033 4329	0	0	0	0	0	0.149	0.552	0.603
PBX 1	MYH 10	1860 561	1846 079	9606.E NSP00 000405 890	9606.ENS P0000026 9243	0	0	0	0	0	0.576	0.101	0.602
HMG CS2	ACL Y	1855 015	1844 250	9606.E NSP00 000358 414	9606.ENS P0000025 3792	0	0	0	0	0.115	0	0.568	0.602

EGFR	USP2	1846 445	1844 761	9606.E NSP00 000275 493	9606.ENS P0000026 0187	0	0	0	0	0	0.576	0.101	0.602
TFA P2A	EGFR	1857 061	1846 445	9606.E NSP00 000368 924	9606.ENS P0000027 5493	0	0	0	0	0	0	0.602	0.602
SLC2 A14	SLC2 3A1	1858 405	1848 461	9606.E NSP00 000379 834	9606.ENS P0000030 2851	0	0	0	0	0	0	0.601	0.601
SMC 4	CCN B2	1852 454	1847 117	9606.E NSP00 000341 382	9606.ENS P0000028 8207	0	0	0	0	0.159	0	0.545	0.601
EZH 2	BMP R1B	1850 211	1845 568	9606.E NSP00 000320 147	9606.ENS P0000026 4568	0	0	0	0	0	0.576	0.098	0.601
ASP M	BUB 1	1854 584	1848 415	9606.E NSP00 000356 379	9606.ENS P0000030 2530	0	0	0	0	0.553	0	0.145	0.601

TNF RSF1 0B	BTN 3A3	1846 494	1843 719	9606.E NSP00 000276 431	9606.ENS P0000024 4519	0	0	0	0	0	0	0.601	0.601
BTN 3A1	TNF RSF1 0B	1847 166	1846 494	9606.E NSP00 000289 361	9606.ENS P0000027 6431	0	0	0	0	0	0	0.601	0.601
SLC2 6A7	ATP 6V0 A4	1849 184	1844 258	9606.E NSP00 000309 504	9606.ENS P0000025 3856	0	0	0	0	0.066	0	0.59	0.6
ERB B2	TGF B1	1846 101	1842 869	9606.E NSP00 000269 571	9606.ENS P0000022 1930	0	0	0	0	0	0.151	0.548	0.6
TOP2 A	GMP R	1860 923	1844 718	9606.E NSP00 000411 532	9606.ENS P0000025 9727	0	0	0	0	0.112	0	0.568	0.599
PRC1	SPA G5	1858 173	1850 533	9606.E NSP00 000377 793	9606.ENS P0000032 3300	0	0	0	0	0.138	0	0.33	0.598

XPN PEP2	DIAP H2	1855 403	1850 341	9606.E NSP00 000360 147	9606.ENS P0000032 1348	0	0	0	0	0	0	0.598	0.598
GLD C	AGM AT	1857 365	1856 387	9606.E NSP00 000370 737	9606.ENS P0000036 4986	0	0	0	0	0.069	0	0.586	0.598
TPD5 2L1	EFH D1	1861 960	1845 473	9606.E NSP00 000434 142	9606.ENS P0000026 4059	0	0	0	0	0	0	0.598	0.598
CDK 1	NAP SA	1858 283	1844 245	9606.E NSP00 000378 699	9606.ENS P0000025 3719	0	0	0	0	0	0.57	0.104	0.598
KCN MA1	KCN J2	1859 069	1843 671	9606.E NSP00 000385 806	9606.ENS P0000024 3457	0	0	0	0	0	0	0.598	0.598
PLC L1	ATP 1A1	1860 372	1847 591	9606.E NSP00 000402 861	9606.ENS P0000029 5598	0	0	0	0	0	0	0.597	0.597

TNF AIP6	COR O1A	1843 667	1842 723	9606.E NSP00 000243 347	9606.ENS P0000021 9150	0	0	0	0	0.585	0	0.069	0.597
PLC D4	ATP 12A	1859 361	1842 709	9606.E NSP00 000388 631	9606.ENS P0000021 8548	0	0	0	0	0	0	0.597	0.597
MYO 3B	COR O1A	1859 134	1842 723	9606.E NSP00 000386 213	9606.ENS P0000021 9150	0	0	0	0	0.456	0.152	0.197	0.597
MYO 7B	COR O1A	1859 171	1842 723	9606.E NSP00 000386 461	9606.ENS P0000021 9150	0	0	0	0	0.456	0.152	0.197	0.597
GBP 2	NCF 2	1855 261	1854 612	9606.E NSP00 000359 497	9606.ENS P0000035 6505	0	0	0	0	0	0	0.597	0.597
PLC L1	ATP 12A	1860 372	1842 709	9606.E NSP00 000402 861	9606.ENS P0000021 8548	0	0	0	0	0	0	0.597	0.597



MYO 3A	COR O1A	1845 826	1842 723	9606.E NSP00 000265 944	9606.ENS P0000021 9150	0	0	0	0	0.456	0.152	0.197	0.597
VCA N	SELP LG	1845 684	1843 143	9606.E NSP00 000265 077	9606.ENS P0000022 8463	0	0	0	0	0	0.576	0.09	0.597
PLC D4	ATP 1A1	1859 361	1847 591	9606.E NSP00 000388 631	9606.ENS P0000029 5598	0	0	0	0	0	0	0.597	0.597
SLC2 6A7	SLC9 A3	1849 184	1845 649	9606.E NSP00 000309 504	9606.ENS P0000026 4938	0	0	0	0	0	0	0.596	0.596
LCP1	COR O1A	1849 816	1842 723	9606.E NSP00 000315 757	9606.ENS P0000021 9150	0	0	0	0	0.11	0.366	0.342	0.596
FGF1	ERB B2	1852 115	1846 101	9606.E NSP00 000338 548	9606.ENS P0000026 9571	0	0	0	0	0	0	0.596	0.596

KL	TRP V6	1857 155	1853 837	9606.E NSP00 000369 442	9606.ENS P0000035 2358	0	0	0	0	0	0.105	0.568	0.596
TYM S	ABC B1	1849 803	1845 794	9606.E NSP00 000315 644	9606.ENS P0000026 5724	0	0	0	0	0.07	0	0.584	0.596
CAS P1	TLR 3	1860 827	1847 791	9606.E NSP00 000410 076	9606.ENS P0000029 6795	0	0	0	0	0	0.102	0.569	0.596
TRP V6	CYP 27B1	1853 837	1843 152	9606.E NSP00 000352 358	9606.ENS P0000022 8606	0	0	0	0	0	0	0.595	0.595
INPP 5D	CSF1 R	1853 868	1847 002	9606.E NSP00 000352 575	9606.ENS P0000028 6301	0	0	0	0	0	0.564	0.111	0.595
SLC3 6A2	ACL Y	1851 696	1844 250	9606.E NSP00 000334 223	9606.ENS P0000025 3792	0	0	0	0	0.569	0	0.1	0.595

CCL 20	CCL 18	1853 751	1842 123	9606.E NSP00 000351 671	9606.ENS P0000000 4921	0	0	0	0	0.113	0	0.563	0.595
SLC3 4A1	AQP 2	1850 348	1842 380	9606.E NSP00 000321 424	9606.ENS P0000019 9280	0	0	0	0	0	0	0.595	0.595
MYC	BIRC 3	1856 789	1845 359	9606.E NSP00 000367 207	9606.ENS P0000026 3464	0	0	0	0	0	0	0.595	0.595
ACT G2	TUB B2B	1847 542	1844 727	9606.E NSP00 000295 137	9606.ENS P0000025 9818	0	0	0	0	0.113	0.149	0.506	0.595
COL 1A1	TIM P1	1843 064	1842 705	9606.E NSP00 000225 964	9606.ENS P0000021 8388	0	0	0	0	0	0	0.594	0.594
GAS 2L3	WDR 76	1845 904	1845 415	9606.E NSP00 000266 754	9606.ENS P0000026 3795	0	0	0	0	0	0	0.594	0.594

EGFR	KDR	1846 445	1845 437	9606.E NSP00 000275 493	9606.ENS P0000026 3923	0	0	0	0.621	0	0.36	0.966	0.594
KN1	PRO C	1845 668	1843 382	9606.E NSP00 000265 023	9606.ENS P0000023 4071	0	0	0	0	0.113	0	0.562	0.594
SCN N1B	USP2	1852 969	1844 761	9606.E NSP00 000345 751	9606.ENS P0000026 0187	0	0	0	0	0	0.569	0.098	0.594
EGFR	CHL 1	1846 445	1844 445	9606.E NSP00 000275 493	9606.ENS P0000025 6509	0	0	0	0	0	0.191	0.518	0.594
MET	CCN D1	1849 944	1843 117	9606.E NSP00 000317 272	9606.ENS P0000022 7507	0	0	0	0	0	0	0.593	0.593
WT1	KRT 7	1851 331	1851 127	9606.E NSP00 000331 327	9606.ENS P0000032 9243	0	0	0	0	0.064	0	0.584	0.593

PTPR C	LYZ	1854 576	1844 877	9606.E NSP00 000356 346	9606.ENS P0000026 1267	0	0	0	0	0.106	0	0.564	0.593
SCD	PCK 1	1855 232	1850 185	9606.E NSP00 000359 380	9606.ENS P0000031 9814	0	0	0	0	0	0	0.592	0.592
CD36	MSR 1	1849 038	1845 062	9606.E NSP00 000308 165	9606.ENS P0000026 2101	0	0	0	0	0	0	0.592	0.592
ACO T11	PDP2	1855 460	1849 193	9606.E NSP00 000360 366	9606.ENS P0000030 9548	0	0	0	0	0	0	0.592	0.592
SELE	ITGB 2	1851 385	1848 511	9606.E NSP00 000331 736	9606.ENS P0000030 3242	0	0	0	0	0	0	0.592	0.592
ERB B2	KDR	1846 101	1845 437	9606.E NSP00 000269 571	9606.ENS P0000026 3923	0	0	0	0.618	0	0.36	0.948	0.591

SLC1 2A3	SCN N1A	1860 326	1853 964	9606.E NSP00 000402 152	9606.ENS P0000035 3292	0	0	0	0	0	0	0.59	0.591
KCN MA1	ACT G2	1859 069	1847 542	9606.E NSP00 000385 806	9606.ENS P0000029 5137	0	0	0	0	0	0.566	0.098	0.591
SLC3 8A11	ACL Y	1859 144	1844 250	9606.E NSP00 000386 272	9606.ENS P0000025 3792	0	0	0	0	0.569	0	0.09	0.591
MCO LN3	TRP V5	1848 676	1845 722	9606.E NSP00 000304 843	9606.ENS P0000026 5310	0	0	0	0	0	0	0.59	0.59
TOP2 A	PSA T1	1860 923	1856 523	9606.E NSP00 000411 532	9606.ENS P0000036 5773	0.543	0	0	0	0	0	0.14	0.59
ERB B2	HRG	1846 101	1843 307	9606.E NSP00 000269 571	9606.ENS P0000023 2003	0	0	0	0	0	0.566	0.094	0.59

NPH S1	EPB4 1L5	1856 951	1845 401	9606.E NSP00 000368 190	9606.ENS P0000026 3713	0	0	0	0	0	0	0.59	0.59
RHB G	SLC9 A3	1854 768	1845 649	9606.E NSP00 000357 229	9606.ENS P0000026 4938	0	0	0	0	0	0.149	0.537	0.589
HCK	CHS T15	1856 392	1851 650	9606.E NSP00 000365 012	9606.ENS P0000033 3947	0	0	0	0	0	0.576	0.071	0.589
PTPR C	EGF R	1854 576	1846 445	9606.E NSP00 000356 346	9606.ENS P0000027 5493	0	0	0	0	0	0.114	0.555	0.589
KIF1 1	TUB B2B	1844 817	1844 727	9606.E NSP00 000260 731	9606.ENS P0000025 9818	0	0	0	0	0	0.218	0.497	0.589
CAB 39L	DCN	1844 962	1842 218	9606.E NSP00 000261 669	9606.ENS P0000005 2754	0	0	0	0	0	0.253	0.472	0.588

TRP V5	CLD N16	1845 722	1845 612	9606.E NSP00 000265 310	9606.ENS P0000026 4734	0	0	0	0	0	0	0.588	0.588
LRR C19	CAB 39L	1857 142	1844 962	9606.E NSP00 000369 395	9606.ENS P0000026 1669	0	0	0	0	0	0.253	0.472	0.588
LRR N1	CAB 39L	1849 739	1844 962	9606.E NSP00 000314 901	9606.ENS P0000026 1669	0	0	0	0	0	0.253	0.472	0.588
KCN K3	KCN J2	1848 825	1843 671	9606.E NSP00 000306 275	9606.ENS P0000024 3457	0	0	0	0	0	0	0.588	0.588
CPN 2	CAB 39L	1850 148	1844 962	9606.E NSP00 000319 464	9606.ENS P0000026 1669	0	0	0	0	0	0.253	0.472	0.588
MYO 1F	ACT G2	1852 870	1847 542	9606.E NSP00 000344 871	9606.ENS P0000029 5137	0	0	0	0	0	0.216	0.497	0.588



LRR N2	CAB 39L	1854 535	1844 962	9606.E NSP00 000356 143	9606.ENS P0000026 1669	0	0	0	0	0	0.253	0.472	0.588
ESR RG	TFC P2L1	1859 115	1845 398	9606.E NSP00 000386 171	9606.ENS P0000026 3707	0	0	0	0	0	0	0.587	0.587
ABC B1	ATP 12A	1845 794	1842 709	9606.E NSP00 000265 724	9606.ENS P0000021 8548	0	0	0	0	0	0.098	0.561	0.587
GPX 2	HMO X1	1857 838	1842 546	9606.E NSP00 000374 265	9606.ENS P0000021 6117	0	0	0	0	0	0.156	0.531	0.587
CXC L9	CD4	1854 250	1842 167	9606.E NSP00 000354 901	9606.ENS P0000001 1653	0	0	0	0	0	0	0.587	0.587
HK2	PRK AR2 B	1847 242	1845 791	9606.E NSP00 000290 573	9606.ENS P0000026 5717	0	0	0	0	0.087	0	0.566	0.587

PTP N22	ERB B2	1853 901	1846 101	9606.E NSP00 000352 833	9606.ENS P0000026 9571	0	0	0	0	0	0.355	0.385	0.587
SLC1 5A2	SLC O2B 1	1861 264	1847 180	9606.E NSP00 000417 085	9606.ENS P0000028 9575	0	0	0	0	0	0	0.587	0.587
CD70	CD4	1843 780	1842 167	9606.E NSP00 000245 903	9606.ENS P0000001 1653	0	0	0	0	0	0	0.586	0.586
RHC G	SLC9 A3	1845 993	1845 649	9606.E NSP00 000268 122	9606.ENS P0000026 4938	0	0	0	0	0	0.149	0.534	0.586
CLC NKB	SCN N1B	1856 357	1852 969	9606.E NSP00 000364 831	9606.ENS P0000034 5751	0	0	0	0	0	0	0.586	0.586
TFA P2B	KIT	1858 114	1847 112	9606.E NSP00 000377 265	9606.ENS P0000028 8135	0	0	0	0	0	0	0.585	0.586

SLC1 4A2	AQP 9	1844 366	1842 775	9606.E NSP00 000255 226	9606.ENS P0000021 9919	0	0	0	0	0	0	0.586	0.586
SEM A6A	MET	1852 946	1849 944	9606.E NSP00 000345 512	9606.ENS P0000031 7272	0	0	0	0	0	0.074	0.571	0.586
GLD C	ACS M3	1857 365	1847 172	9606.E NSP00 000370 737	9606.ENS P0000028 9416	0	0	0	0	0.153	0	0.531	0.585
NR11 3	ABC C3	1854 699	1846 952	9606.E NSP00 000356 958	9606.ENS P0000028 5238	0	0	0	0	0	0	0.585	0.585
TOP2 A	LDH B	1860 923	1843 197	9606.E NSP00 000411 532	9606.ENS P0000022 9319	0.097	0	0	0	0	0	0.559	0.585
FOX M1	ALB	1852 579	1847 637	9606.E NSP00 000342 307	9606.ENS P0000029 5897	0	0	0	0	0	0	0.585	0.585

ANX A4	GP2	1858 179	1857 371	9606.E NSP00 000377 833	9606.ENS P0000037 0767	0	0	0	0	0	0.576	0.062	0.585
RAL YL	ACL Y	1861 822	1844 250	9606.E NSP00 000430 128	9606.ENS P0000025 3792	0	0	0	0	0.082	0.567	0	0.585
PTG S2	TNF AIP6	1854 602	1843 667	9606.E NSP00 000356 438	9606.ENS P0000024 3347	0	0	0	0	0	0	0.585	0.585
SLC2 6A4	AQP 2	1845 790	1842 380	9606.E NSP00 000265 715	9606.ENS P0000019 9280	0	0	0	0	0	0	0.585	0.585
SMI M5	NXP H2	1856 259	1846 271	9606.E NSP00 000364 363	9606.ENS P0000027 2641	0	0	0	0	0	0	0.585	0.585
MMP 9	KITL G	1855 661	1843 134	9606.E NSP00 000361 405	9606.ENS P0000022 8280	0	0	0	0	0	0	0.585	0.585

SLC O2B1	ABC B1	1847 180	1845 794	9606.E NSP00 000289 575	9606.ENS P0000026 5724	0	0	0	0	0	0	0.585	0.585
TNF RSF9	CD4	1856 697	1842 167	9606.E NSP00 000366 729	9606.ENS P0000001 1653	0	0	0	0	0	0	0.585	0.585
ALD H6A 1	ACA DSB	1862 703	1854 904	9606.E NSP00 000450 436	9606.ENS P0000035 7873	0	0	0	0	0.228	0	0.485	0.585
PAPP A	IGFB P2	1851 275	1843 367	9606.E NSP00 000330 658	9606.ENS P0000023 3809	0	0	0	0	0	0	0.585	0.585
CIQ B	HRG	1849 670	1843 307	9606.E NSP00 000313 967	9606.ENS P0000023 2003	0	0	0	0	0	0.576	0.06	0.584
SLC1 5A2	SLC2 2A7	1861 264	1855 714	9606.E NSP00 000417 085	9606.ENS P0000036 1666	0	0	0	0	0	0	0.584	0.584

NCK 1	PLE K	1847 149	1843 395	9606.E NSP00 000288 986	9606.ENS P0000023 4313	0	0	0	0	0	0	0.584	0.584
SLC2 2A6	ABC C3	1856 766	1846 952	9606.E NSP00 000367 102	9606.ENS P0000028 5238	0	0	0	0	0	0	0.584	0.584
CAS R	TRP V5	1861 464	1845 722	9606.E NSP00 000420 194	9606.ENS P0000026 5310	0	0	0	0	0	0	0.584	0.584
ABA T	PTP RE	1846 008	1844 313	9606.E NSP00 000268 251	9606.ENS P0000025 4667	0	0	0	0	0	0	0.584	0.584
KIA A010 1	ALB	1848 123	1847 637	9606.E NSP00 000300 035	9606.ENS P0000029 5897	0	0	0	0	0	0	0.584	0.584
WT1	PTP RO	1851 331	1846 712	9606.E NSP00 000331 327	9606.ENS P0000028 1171	0	0	0	0	0	0	0.583	0.584

FN1	CDH 2	1853 098	1846 066	9606.E NSP00 000346 839	9606.ENS P0000026 9141	0	0	0	0	0	0	0.584	0.584
KIF2 0A	CCN B2	1858 244	1847 117	9606.E NSP00 000378 356	9606.ENS P0000028 8207	0	0	0	0	0.265	0.104	0.418	0.583
PTPR C	CD5 3	1854 576	1846 188	9606.E NSP00 000356 346	9606.ENS P0000027 1324	0	0	0	0	0.289	0	0.437	0.583
ALB	FLT1	1847 637	1846 791	9606.E NSP00 000295 897	9606.ENS P0000028 2397	0	0	0	0	0	0	0.583	0.583
CCL 20	VCA N	1853 751	1845 684	9606.E NSP00 000351 671	9606.ENS P0000026 5077	0	0	0	0	0	0.572	0.067	0.583
TNN T2	PRO C	1854 566	1843 382	9606.E NSP00 000356 286	9606.ENS P0000023 4071	0	0	0	0	0	0	0.583	0.583

NPH S2	EPB4 1L5	1854 633	1845 401	9606.E NSP00 000356 587	9606.ENS P0000026 3713	0	0	0	0	0	0	0.583	0.583
ACL Y	PCK 2	1844 250	1842 620	9606.E NSP00 000253 792	9606.ENS P0000021 6780	0	0	0	0	0	0	0.583	0.583
EIF4 EBP1	DDI T4	1852 358	1848 949	9606.E NSP00 000340 691	9606.ENS P0000030 7305	0	0	0	0	0	0	0.583	0.583
CTSS	TIM P1	1854 929	1842 705	9606.E NSP00 000357 981	9606.ENS P0000021 8388	0	0	0	0	0	0	0.583	0.583
SLC2 3A1	SLC2 A3	1848 461	1842 244	9606.E NSP00 000302 851	9606.ENS P0000007 5120	0	0	0	0	0	0	0.582	0.583
ALB	PLE K	1847 637	1843 395	9606.E NSP00 000295 897	9606.ENS P0000023 4313	0	0	0	0	0	0	0.583	0.583



TIMP 1	DCN	1842 705	1842 218	9606.E NSP00 000218 388	9606.ENS P0000005 2754	0	0	0	0	0	0	0.583	0.583
MAP K4	HSF4	1858 818	1845 455	9606.E NSP00 000383 234	9606.ENS P0000026 4009	0	0	0	0	0	0.1	0.556	0.583
ALB	CHL 1	1847 637	1844 445	9606.E NSP00 000295 897	9606.ENS P0000025 6509	0	0	0	0	0	0	0.582	0.582
NFA SC	SCN 2A	1852 857	1846 845	9606.E NSP00 000344 786	9606.ENS P0000028 3256	0	0	0	0	0	0	0.582	0.582
CAS P1	TFA P2A	1860 827	1857 061	9606.E NSP00 000410 076	9606.ENS P0000036 8924	0	0	0	0	0	0.576	0.056	0.582
MMP 9	VWF	1855 661	1844 904	9606.E NSP00 000361 405	9606.ENS P0000026 1405	0	0	0	0	0	0	0.582	0.582

ACAN	COL1A1	1859267	1843064	9606.E NSP00 000387 356	9606.ENS P0000022 5964	0	0	0	0	0	0	0.582	0.582
SLC12A1	TRPV5	1857315	1845722	9606.E NSP00 000370 381	9606.ENS P0000026 5310	0	0	0	0	0	0	0.582	0.582
MMP9	MET	1855661	1849944	9606.E NSP00 000361 405	9606.ENS P0000031 7272	0	0	0	0	0	0	0.582	0.582
MMP1	ICAM1	1850481	1845628	9606.E NSP00 000322 788	9606.ENS P0000026 4832	0	0	0	0	0	0	0.582	0.582
EGFR	EPCAM	1846445	1845405	9606.E NSP00 000275 493	9606.ENS P0000026 3735	0	0	0	0	0	0	0.581	0.581
MMP1	DCN	1850481	1842218	9606.E NSP00 000322 788	9606.ENS P0000005 2754	0	0	0	0	0	0	0.581	0.581

EGFR	PLEK	1846 445	1843 395	9606.E NSP00 000275 493	9606.ENS P0000023 4313	0	0	0	0	0	0	0.581	0.581
SELE	B4G ALN T2	1851 385	1848 176	9606.E NSP00 000331 736	9606.ENS P0000030 0404	0	0	0	0	0	0	0.581	0.581
ALB	CD4	1847 637	1842 167	9606.E NSP00 000295 897	9606.ENS P0000001 1653	0	0	0	0	0	0	0.581	0.581
ENAM	WDR 72	1858 362	1854 020	9606.E NSP00 000379 383	9606.ENS P0000035 3699	0	0	0	0	0	0	0.581	0.581
CD3G	APO BEC 3G	1861 876	1859 014	9606.E NSP00 000431 445	9606.ENS P0000038 5057	0	0	0	0	0	0	0.581	0.581
MSR1	NKG 7	1845 062	1842 874	9606.E NSP00 000262 101	9606.ENS P0000022 1978	0	0	0	0	0	0.581	0	0.581

HIF0	HSP B8	1852 826	1846 754	9606.E NSP00 000344 504	9606.ENS P0000028 1938	0	0	0	0	0	0	0.581	0.581
PTPR C	ERB B2	1854 576	1846 101	9606.E NSP00 000356 346	9606.ENS P0000026 9571	0	0	0	0	0	0.114	0.546	0.581
ICA M1	KDR	1845 628	1845 437	9606.E NSP00 000264 832	9606.ENS P0000026 3923	0	0	0	0	0	0	0.581	0.581
MYC	EIF4 EBP1	1856 789	1852 358	9606.E NSP00 000367 207	9606.ENS P0000034 0691	0	0	0	0	0	0	0.581	0.581
ACA N	TGF B1	1859 267	1842 869	9606.E NSP00 000387 356	9606.ENS P0000022 1930	0	0	0	0	0	0	0.581	0.581
ALB	TLR 2	1847 637	1844 747	9606.E NSP00 000295 897	9606.ENS P0000026 0010	0	0	0	0	0	0	0.581	0.581

TNF RSF9	CD2 7	1856 697	1845 882	9606.E NSP00 000366 729	9606.ENS P0000026 6557	0	0	0	0	0	0	0.581	0.581
KNG 1	ICA M1	1845 668	1845 628	9606.E NSP00 000265 023	9606.ENS P0000026 4832	0	0	0	0	0	0	0.581	0.581
BRC A2	MYC	1857 163	1856 789	9606.E NSP00 000369 497	9606.ENS P0000036 7207	0	0	0	0	0	0	0.581	0.581
ANG PT2	VWF	1849 738	1844 904	9606.E NSP00 000314 897	9606.ENS P0000026 1405	0	0	0	0	0	0	0.581	0.581
TLR3	FSTL 1	1847 791	1847 596	9606.E NSP00 000296 795	9606.ENS P0000029 5633	0	0	0	0	0	0	0.581	0.581
BRC A2	EGF R	1857 163	1846 445	9606.E NSP00 000369 497	9606.ENS P0000027 5493	0	0	0	0	0	0	0.581	0.581

FLT1	DLL 4	1846 791	1843 973	9606.E NSP00 000282 397	9606.ENS P0000024 9749	0	0	0	0	0	0	0.58	0.58
PIK3 CG	CD3 7	1853 801	1850 765	9606.E NSP00 000352 121	9606.ENS P0000032 5708	0	0	0	0	0.065	0.57	0	0.58
ITK	BTK	1860 098	1849 039	9606.E NSP00 000398 655	9606.ENS P0000030 8176	0	0	0	0.955	0	0.564	0.847	0.58
NCK 1	RAL GPS1	1847 149	1844 684	9606.E NSP00 000288 986	9606.ENS P0000025 9351	0	0	0	0	0	0.576	0.051	0.58
CAS R	KCN J1	1861 464	1858 031	9606.E NSP00 000420 194	9606.ENS P0000037 6432	0	0	0	0	0	0	0.58	0.58
CXC L11	CCL 18	1848 890	1842 123	9606.E NSP00 000306 884	9606.ENS P0000000 4921	0	0	0	0	0	0	0.58	0.58

CD3 G	C3	1861 876	1843 781	9606.E NSP00 000431 445	9606.ENS P0000024 5907	0	0	0	0	0	0	0.58	0.58
GPH N	NLG N1	1861 331	1854 143	9606.E NSP00 000417 901	9606.ENS P0000035 4541	0	0	0	0	0	0	0.58	0.58
MUC I	EPC AM	1854 790	1845 405	9606.E NSP00 000357 380	9606.ENS P0000026 3735	0	0	0	0	0	0	0.58	0.58
CD86	CD2 7	1851 423	1845 882	9606.E NSP00 000332 049	9606.ENS P0000026 6557	0	0	0	0	0	0	0.58	0.58
TGF A	TGF B1	1847 571	1842 869	9606.E NSP00 000295 400	9606.ENS P0000022 1930	0	0	0	0	0	0	0.58	0.58
ALB	CSF1 R	1847 637	1847 002	9606.E NSP00 000295 897	9606.ENS P0000028 6301	0	0	0	0	0	0	0.58	0.58

EHD 2	AP1 M2	1845 326	1844 001	9606.E NSP00 000263 277	9606.ENS P0000025 0244	0	0	0	0	0	0.566	0.072	0.58
GLD C	SDS	1857 365	1844 513	9606.E NSP00 000370 737	9606.ENS P0000025 7549	0	0	0	0	0	0	0.579	0.579
FN1	C1Q B	1853 098	1849 670	9606.E NSP00 000346 839	9606.ENS P0000031 3967	0	0	0	0	0	0.222	0.482	0.579
PRO C	HRG	1843 382	1843 307	9606.E NSP00 000234 071	9606.ENS P0000023 2003	0	0	0	0	0.24	0	0.47	0.579
PLA U	TIM P1	1855 748	1842 705	9606.E NSP00 000361 850	9606.ENS P0000021 8388	0	0	0	0	0	0	0.579	0.579
ACT G2	ANL N	1847 542	1845 802	9606.E NSP00 000295 137	9606.ENS P0000026 5748	0	0	0	0	0	0	0.579	0.579



PIK3 CG	PIK3 C2G	1853 801	1845 872	9606.E NSP00 000352 121	9606.ENS P0000026 6497	0	0	0	0.709	0	0	0.321	0.579
SLIT 2	SEM A5B	1861 570	1853 557	9606.E NSP00 000422 591	9606.ENS P0000035 0215	0	0	0	0	0	0	0.578	0.579
ACT G2	CAL B1	1847 542	1845 750	9606.E NSP00 000295 137	9606.ENS P0000026 5431	0	0	0	0	0	0.212	0.487	0.578
ACT G2	PVA LB	1847 542	1842 563	9606.E NSP00 000295 137	9606.ENS P0000021 6200	0	0	0	0	0	0.212	0.487	0.578
GLD C	TNF AIP3	1857 365	1843 455	9606.E NSP00 000370 737	9606.ENS P0000023 7289	0	0	0	0	0	0.578	0	0.578
CYP 17A1	HSD 11B2	1855 129	1849 905	9606.E NSP00 000358 903	9606.ENS P0000031 6786	0	0	0	0	0	0	0.578	0.578

SLC4 A9	SLC2 6A7	1861 629	1849 184	9606.E NSP00 000424 424	9606.ENS P0000030 9504	0	0	0	0	0	0	0.578	0.578
PRO M1	MET	1861 160	1849 944	9606.E NSP00 000415 481	9606.ENS P0000031 7272	0	0	0	0	0.104	0	0.548	0.578
GPH N	TOP 2A	1861 331	1860 923	9606.E NSP00 000417 901	9606.ENS P0000041 1532	0	0	0	0	0.081	0.103	0.529	0.578
SCN N1B	AP1 M2	1852 969	1844 001	9606.E NSP00 000345 751	9606.ENS P0000025 0244	0	0	0	0	0	0.571	0.057	0.578
KIF1 1	TNF AIP3	1844 817	1843 455	9606.E NSP00 000260 731	9606.ENS P0000023 7289	0	0	0	0	0	0.578	0	0.578
TOP2 A	ABC C3	1860 923	1846 952	9606.E NSP00 000411 532	9606.ENS P0000028 5238	0	0	0	0	0	0	0.578	0.578

JAK3	RAC 2	1859 586	1843 949	9606.E NSP00 000391 676	9606.ENS P0000024 9071	0	0	0	0	0	0.113	0.544	0.578
PTPR D	PTP RE	1853 352	1844 313	9606.E NSP00 000348 812	9606.ENS P0000025 4667	0	0	0	0.922	0	0.564	0.449	0.578
CEP5 5	DLG AP5	1855 493	1843 859	9606.E NSP00 000360 540	9606.ENS P0000024 7191	0	0	0	0	0.134	0	0.533	0.578
SMC 4	CEN PE	1852 454	1845 701	9606.E NSP00 000341 382	9606.ENS P0000026 5148	0	0	0	0	0.401	0.107	0.273	0.577
PTG S2	FUT 3	1854 602	1848 747	9606.E NSP00 000356 438	9606.ENS P0000030 5603	0	0	0	0	0	0	0.577	0.577
PTG S2	FUT 6	1854 602	1847 043	9606.E NSP00 000356 438	9606.ENS P0000028 6955	0	0	0	0	0	0	0.577	0.577

NOS 1	HSF4	1852 004	1845 455	9606.E NSP00 000337 459	9606.ENS P0000026 4009	0	0	0	0	0	0	0.577	0.577
ITGA X	IL2R B	1846 012	1842 567	9606.E NSP00 000268 296	9606.ENS P0000021 6223	0	0	0	0	0	0	0.577	0.577
ITGB 2	EGF R	1848 511	1846 445	9606.E NSP00 000303 242	9606.ENS P0000027 5493	0	0	0	0	0	0.425	0.294	0.577
ITGB 2	FER MT3	1848 511	1846 622	9606.E NSP00 000303 242	9606.ENS P0000027 9227	0	0	0	0	0.133	0.082	0.512	0.577
TNF SF13 B	DTL	1856 399	1854 490	9606.E NSP00 000365 048	9606.ENS P0000035 5958	0	0	0	0	0	0.576	0	0.576
TOP2 A	PRD X4	1860 923	1857 012	9606.E NSP00 000411 532	9606.ENS P0000036 8646	0.064	0	0	0	0	0	0.566	0.576

PTG S2	ELM O1	1854 602	1849 503	9606.E NSP00 000356 438	9606.ENS P0000031 2185	0	0	0	0	0	0.576	0	0.576
C1Q A	HRG	1856 156	1843 307	9606.E NSP00 000363 773	9606.ENS P0000023 2003	0	0	0	0	0	0.576	0	0.576
C7	PLG	1850 411	1849 130	9606.E NSP00 000322 061	9606.ENS P0000030 8938	0	0	0	0	0	0.576	0	0.576
CPA MD8	SCT R	1860 348	1842 186	9606.E NSP00 000402 505	9606.ENS P0000001 9103	0	0	0	0	0	0.576	0	0.576
PIGR	CCL 5	1853 366	1847 396	9606.E NSP00 000348 888	9606.ENS P0000029 3272	0	0	0	0	0	0.576	0	0.576
SCN N1B	ANK 3	1852 969	1846 690	9606.E NSP00 000345 751	9606.ENS P0000028 0772	0	0	0	0	0	0.576	0	0.576

SCN N1B	CNT N1	1852 969	1850 758	9606.E NSP00 000345 751	9606.ENS P0000032 5660	0	0	0	0	0	0.576	0	0.576
CNK SR1	CAD M4	1854 168	1842 912	9606.E NSP00 000354 609	9606.ENS P0000022 2374	0	0	0	0	0	0.576	0	0.576
C1Q A	CSP G4	1856 156	1849 543	9606.E NSP00 000363 773	9606.ENS P0000031 2506	0	0	0	0	0	0.576	0	0.576
MAG I2	TGF A	1853 022	1847 571	9606.E NSP00 000346 151	9606.ENS P0000029 5400	0	0	0	0	0	0.576	0	0.576
SLC3 4A1	HPC AL1	1850 348	1849 342	9606.E NSP00 000321 424	9606.ENS P0000031 0749	0	0	0	0	0	0.576	0	0.576
TFA P2A	SYT 1	1857 061	1844 863	9606.E NSP00 000368 924	9606.ENS P0000026 1205	0	0	0	0	0	0.576	0.041	0.576

C1Q A	DCN	1856 156	1842 218	9606.E NSP00 000363 773	9606.ENS P0000005 2754	0	0	0	0	0	0.576	0	0.576
SLC2 A12	PPP1 R3C	1846 436	1843 508	9606.E NSP00 000275 230	9606.ENS P0000023 8994	0	0	0	0	0	0	0.576	0.576
ERB B2	USP2	1846 101	1844 761	9606.E NSP00 000269 571	9606.ENS P0000026 0187	0	0	0	0	0	0.576	0	0.576
INPP 5D	LILR B4	1853 868	1846 151	9606.E NSP00 000352 575	9606.ENS P0000027 0452	0	0	0	0	0	0.576	0	0.576
SCN N1B	NFA SC	1852 969	1852 857	9606.E NSP00 000345 751	9606.ENS P0000034 4786	0	0	0	0	0	0.576	0	0.576
MAG I3	TGF A	1848 655	1847 571	9606.E NSP00 000304 604	9606.ENS P0000029 5400	0	0	0	0	0	0.576	0	0.576

UPP2	VIM	1859 251	1842 995	9606.E NSP00 000387 4237 230	9606.ENS P0000022 4237	0	0	0	0	0	0.576	0	0.576
PAPP A	C3	1851 275	1843 781	9606.E NSP00 000330 658	9606.ENS P0000024 5907	0	0	0	0	0	0.576	0	0.576
HCK	RAS A3	1856 392	1851 795	9606.E NSP00 000365 012	9606.ENS P0000033 5029	0	0	0	0	0	0.576	0	0.576
HOX B9	DMR T2	1849 176	1848 772	9606.E NSP00 000309 439	9606.ENS P0000030 5785	0	0	0	0	0	0	0.575	0.575
MET	TGF B1	1849 944	1842 869	9606.E NSP00 000317 272	9606.ENS P0000022 1930	0	0	0	0	0	0	0.575	0.575
MYH 10	PVA LB	1846 079	1842 563	9606.E NSP00 000269 243	9606.ENS P0000021 6200	0	0	0	0	0	0.211	0.484	0.575



MYH 10	CAL B1	1846 079	1845 750	9606.E NSP00 000269 243	9606.ENS P0000026 5431	0	0	0	0	0	0.211	0.484	0.575
C3	SER PINE 1	1843 781	1842 959	9606.E NSP00 000245 907	9606.ENS P0000022 3095	0	0	0	0	0	0	0.575	0.575
DMR T2	HOX D10	1848 772	1843 966	9606.E NSP00 000305 785	9606.ENS P0000024 9501	0	0	0	0	0	0	0.575	0.575
CCN B2	CEN PE	1847 117	1845 701	9606.E NSP00 000288 207	9606.ENS P0000026 5148	0	0	0	0	0.182	0.104	0.467	0.575
COL 4A1	KLK 6	1856 385	1849 150	9606.E NSP00 000364 979	9606.ENS P0000030 9148	0	0	0	0	0	0.573	0.047	0.575
WT1	KIT	1851 331	1847 112	9606.E NSP00 000331 327	9606.ENS P0000028 8135	0	0	0	0	0.065	0.08	0.546	0.575

PTP N3	MAG I3	1856 139	1848 655	9606.E NSP00 000363 667	9606.ENS P0000030 4604	0	0	0	0	0	0	0.574	0.574
NRK	NCK 1	1862 093	1847 149	9606.E NSP00 000438 378	9606.ENS P0000028 8986	0	0	0	0	0	0.417	0.3	0.574
TOP2 A	PLK 1	1860 923	1848 135	9606.E NSP00 000411 532	9606.ENS P0000030 0093	0	0	0	0	0.227	0	0.472	0.574
CCL 5	VCA N	1847 396	1845 684	9606.E NSP00 000293 272	9606.ENS P0000026 5077	0	0	0	0	0	0.572	0.047	0.574
FN1	TRIB 3	1853 098	1842 649	9606.E NSP00 000346 839	9606.ENS P0000021 7233	0	0	0	0	0	0.574	0	0.574
ESC O2	BRIP 1	1848 903	1844 657	9606.E NSP00 000306 999	9606.ENS P0000025 9008	0	0	0	0	0.103	0.15	0.485	0.574

CEN PE	NCA PG	1845 701	1844 063	9606.E NSP00 000265 148	9606.ENS P0000025 1496	0	0	0	0	0.368	0	0.352	0.573
FCE RIG	CD9 6	1847 193	1846 847	9606.E NSP00 000289 902	9606.ENS P0000028 3285	0	0	0	0	0	0	0.573	0.573
RHO BTB 3	SH3P XD2 B	1857 125	1849 216	9606.E NSP00 000369 318	9606.ENS P0000030 9714	0	0	0	0	0	0.348	0.373	0.573
RHO H	SH3P XD2 B	1857 435	1849 216	9606.E NSP00 000371 219	9606.ENS P0000030 9714	0	0	0	0	0	0.348	0.373	0.573
KIT	CCN D1	1847 112	1843 117	9606.E NSP00 000288 135	9606.ENS P0000022 7507	0	0	0	0	0	0	0.573	0.573
TOP2 A	ENO 2	1860 923	1843 192	9606.E NSP00 000411 532	9606.ENS P0000022 9277	0	0	0	0	0	0	0.572	0.572

SLC1 2A3	SCN N1G	1860 326	1848 129	9606.E NSP00 000402 152	9606.ENS P0000030 0061	0	0	0	0	0	0	0.572	0.572
HEC W1	SCN N1B	1858 345	1852 969	9606.E NSP00 000379 228	9606.ENS P0000034 5751	0	0	0	0	0	0.572	0.041	0.572
PBX 1	NED D4L	1860 561	1858 810	9606.E NSP00 000405 890	9606.ENS P0000038 3199	0	0	0	0	0	0.57	0.047	0.572
KDR	TGF B1	1845 437	1842 869	9606.E NSP00 000263 923	9606.ENS P0000022 1930	0	0	0	0	0	0.089	0.549	0.572
SHM T2	PEP D	1851 612	1843 701	9606.E NSP00 000333 667	9606.ENS P0000024 4137	0	0	0	0	0.07	0	0.558	0.572
PLA2 G4F	FER MT1	1857 523	1842 655	9606.E NSP00 000371 833	9606.ENS P0000021 7289	0	0	0	0	0	0	0.572	0.572

CAS P1	CTS S	1860 827	1854 929	9606.E NSP00 000410 076	9606.ENS P0000035 7981	0	0	0	0	0.144	0.075	0.504	0.572
TOP2 A	HOG A1	1860 923	1855 317	9606.E NSP00 000411 532	9606.ENS P0000035 9680	0	0	0	0	0	0	0.572	0.572
PRC1	KIF2 OB	1858 173	1844 820	9606.E NSP00 000377 793	9606.ENS P0000026 0753	0	0	0	0	0.158	0.297	0.335	0.572
ITGB 2	TIM P1	1848 511	1842 705	9606.E NSP00 000303 242	9606.ENS P0000021 8388	0	0	0	0	0	0	0.571	0.571
CD3 E	PTP N22	1854 149	1853 901	9606.E NSP00 000354 566	9606.ENS P0000035 2833	0	0	0	0	0	0.571	0	0.571
PEP D	LDH B	1843 701	1843 197	9606.E NSP00 000244 137	9606.ENS P0000022 9319	0	0	0	0	0.073	0	0.556	0.571

ACA DSB	OXC T1	1854 904	1842 370	9606.E NSP00 000357 873	9606.ENS P0000019 6371	0.15	0	0	0	0.097	0	0.486	0.571
SCN N1A	AP1 M2	1853 964	1844 001	9606.E NSP00 000353 292	9606.ENS P0000025 0244	0	0	0	0	0	0.571	0	0.571
TRP V5	CYP 27B1	1845 722	1843 152	9606.E NSP00 000265 310	9606.ENS P0000022 8606	0	0	0	0	0	0	0.57	0.57
CDK 1	ALB	1858 283	1847 637	9606.E NSP00 000378 699	9606.ENS P0000029 5897	0	0	0	0	0	0	0.57	0.57
KIA A152 4	FLT1	1847 617	1846 791	9606.E NSP00 000295 746	9606.ENS P0000028 2397	0	0	0	0	0	0.57	0	0.57
IKZF 1	KIT	1851 367	1847 112	9606.E NSP00 000331 614	9606.ENS P0000028 8135	0	0	0	0	0.065	0.08	0.54	0.57

JAK3	PTP RC	1859 586	1854 576	9606.E NSP00 000391 676	9606.ENS P0000035 6346	0	0	0	0	0	0.105	0.539	0.57
BSP RY	SLC3 4A1	1856 057	1850 348	9606.E NSP00 000363 298	9606.ENS P0000032 1424	0	0	0	0	0	0.57	0	0.57
PLK1	RAP 1GA P	1848 135	1847 204	9606.E NSP00 000300 093	9606.ENS P0000029 0101	0	0	0	0	0	0.564	0.056	0.57
TRP M6	PXK	1854 063	1853 305	9606.E NSP00 000354 006	9606.ENS P0000034 8472	0	0	0	0	0	0	0.57	0.57
CAS R	CLC NKB	1861 464	1856 357	9606.E NSP00 000420 194	9606.ENS P0000036 4831	0	0	0	0	0	0	0.569	0.569
PTPR C	TLR 3	1854 576	1847 791	9606.E NSP00 000356 346	9606.ENS P0000029 6795	0	0	0	0	0	0.101	0.541	0.569

ALB	NTR K2	1847 637	1846 523	9606.E NSP00 000295 897	9606.ENS P0000027 7120	0	0	0	0	0	0	0.569	0.569
SLC2 2A12	NOL 3	1856 708	1846 024	9606.E NSP00 000366 797	9606.ENS P0000026 8605	0	0	0	0	0	0	0.569	0.569
INPP 5D	FAS	1853 868	1853 242	9606.E NSP00 000352 575	9606.ENS P0000034 7979	0	0	0	0	0	0.567	0.046	0.569
CLC NKB	CLIC 5	1856 357	1842 349	9606.E NSP00 000364 831	9606.ENS P0000018 5206	0	0	0	0	0	0	0.102	0.569
KIT	VWF	1847 112	1844 904	9606.E NSP00 000288 135	9606.ENS P0000026 1405	0	0	0	0	0	0	0.569	0.569
MMP 9	ANG PT2	1855 661	1849 738	9606.E NSP00 000361 405	9606.ENS P0000031 4897	0	0	0	0	0	0	0.569	0.569



CXC R4	CAV 1	1859 216	1852 186	9606.E NSP00 000386 884	9606.ENS P0000033 9191	0	0	0	0	0	0.569	0	0.569
EGF R	CDH 2	1846 445	1846 066	9606.E NSP00 000275 493	9606.ENS P0000026 9141	0	0	0	0	0	0	0.569	0.569
PGF	INPP 5J	1862 737	1858 952	9606.E NSP00 000451 040	9606.ENS P0000038 4534	0	0	0	0	0	0	0.569	0.569
KIF2 0A	GAS 2L3	1858 244	1845 904	9606.E NSP00 000378 356	9606.ENS P0000026 6754	0	0	0	0	0	0.569	0	0.569
CCN D1	CDC 6	1843 117	1842 453	9606.E NSP00 000227 507	9606.ENS P0000020 9728	0	0	0	0	0.072	0	0.555	0.569
PLA2 G4F	SYT 1	1857 523	1844 863	9606.E NSP00 000371 833	9606.ENS P0000026 1205	0	0	0	0	0.086	0.212	0.45	0.569

ACT G2	RAC 2	1847 542	1843 949	9606.E NSP00 000295 137	9606.ENS P0000024 9071	0	0	0	0	0	0	0.569	0.569
PRO M1	FLT1	1861 160	1846 791	9606.E NSP00 000415 481	9606.ENS P0000028 2397	0	0	0	0	0	0	0.569	0.569
TOP2 A	ETN K2	1860 923	1854 541	9606.E NSP00 000411 532	9606.ENS P0000035 6170	0	0	0	0	0	0	0.568	0.568
PTPR D	EGF R	1853 352	1846 445	9606.E NSP00 000348 812	9606.ENS P0000027 5493	0	0	0	0	0	0.361	0.351	0.568
CTSS	MMP 1	1854 929	1850 481	9606.E NSP00 000357 981	9606.ENS P0000032 2788	0	0	0	0	0	0	0.568	0.568
FAS	CD8 6	1853 242	1851 423	9606.E NSP00 000347 979	9606.ENS P0000033 2049	0	0	0	0	0	0	0.568	0.568

SIM1	VIM	1845 239	1842 995	9606.E NSP00 000262 901	9606.ENS P0000022 4237	0	0	0	0	0	0	0.568	0.568
CD2	ITG AX	1855 033	1846 012	9606.E NSP00 000358 490	9606.ENS P0000026 8296	0	0	0	0	0	0	0.568	0.568
TBX AS1	ALO X5	1859 424	1856 107	9606.E NSP00 000389 414	9606.ENS P0000036 3512	0	0	0	0	0	0	0.568	0.568
CD2	CD2 7	1855 033	1845 882	9606.E NSP00 000358 490	9606.ENS P0000026 6557	0	0	0	0	0	0	0.568	0.568
HMG CS2	HAO 2	1855 015	1849 865	9606.E NSP00 000358 414	9606.ENS P0000031 6339	0.283	0	0	0	0	0	0.423	0.568
KIA A010 1	TGF B1	1848 123	1842 869	9606.E NSP00 000300 035	9606.ENS P0000022 1930	0	0	0	0	0	0	0.568	0.568

FGF9	ERB B2	1857 512	1846 101	9606.E NSP00 000371 790	9606.ENS P0000026 9571	0	0	0	0	0	0	0.568	0.568
CDK 18	RAC 2	1861 603	1843 949	9606.E NSP00 000423 665	9606.ENS P0000024 9071	0	0	0	0	0	0.105	0.537	0.568
SLC2 2A7	SLC1 3A3	1855 714	1846 611	9606.E NSP00 000361 666	9606.ENS P0000027 9027	0	0	0	0	0	0	0.568	0.568
ADM	KNG 1	1846 549	1845 668	9606.E NSP00 000278 175	9606.ENS P0000026 5023	0	0	0	0	0	0	0.567	0.567
CDK 1	MND A	1858 283	1854 743	9606.E NSP00 000378 699	9606.ENS P0000035 7123	0	0	0	0	0	0.567	0	0.567
HAV CR2	CD4	1849 483	1842 167	9606.E NSP00 000312 002	9606.ENS P0000001 1653	0	0	0	0	0	0	0.567	0.567

PLE K	LCP2	1843 395	1842 217	9606.E NSP00 000234 313	9606.ENS P0000004 6794	0	0	0	0	0	0	0.567	0.567
CPA 3	ATP 6V0 D2	1847 667	1846 960	9606.E NSP00 000296 046	9606.ENS P0000028 5393	0	0	0	0	0.567	0	0	0.567
TRP M6	MYH 10	1854 063	1846 079	9606.E NSP00 000354 006	9606.ENS P0000026 9243	0	0	0	0	0	0.567	0	0.567
ICA M1	PRO C	1845 628	1843 382	9606.E NSP00 000264 832	9606.ENS P0000023 4071	0	0	0	0	0	0	0.567	0.567
TYR P1	ALB	1857 771	1847 637	9606.E NSP00 000373 570	9606.ENS P0000029 5897	0	0	0	0	0	0	0.567	0.567
ITGA L	ALB	1853 413	1847 637	9606.E NSP00 000349 252	9606.ENS P0000029 5897	0	0	0	0	0	0	0.567	0.567

WT1	ALB	1851 331	1847 637	9606.E NSP00 000331 327	9606.ENS P0000029 5897	0	0	0	0	0	0	0.567	0.567
ERB B2	SLC1 A4	1846 101	1843 391	9606.E NSP00 000269 571	9606.ENS P0000023 4256	0	0	0	0	0	0	0.565	0.566
TOP2 A	MPP 7	1860 923	1852 051	9606.E NSP00 000411 532	9606.ENS P0000033 7907	0	0	0	0	0	0.073	0.552	0.566
ALB	GJA1	1847 637	1846 806	9606.E NSP00 000295 897	9606.ENS P0000028 2561	0	0	0	0	0	0	0.566	0.566
SLC1 2A1	ALB	1857 315	1847 637	9606.E NSP00 000370 381	9606.ENS P0000029 5897	0	0	0	0	0	0	0.566	0.566
CXC L10	ICA M1	1848 754	1845 628	9606.E NSP00 000305 651	9606.ENS P0000026 4832	0	0	0	0	0	0	0.566	0.566

BRC A2	TOX 3	1857 163	1842 768	9606.E NSP00 000369 497	9606.ENS P0000021 9746	0	0	0	0	0	0	0.566	0.566
CDH 13	FHIT	1860 733	1852 550	9606.E NSP00 000408 632	9606.ENS P0000034 2087	0	0	0	0	0	0	0.566	0.566
SLC7 A11	SLC1 A3	1846 679	1845 695	9606.E NSP00 000280 612	9606.ENS P0000026 5113	0	0	0	0	0	0	0.565	0.565
IGFB P3	ALB	1857 331	1847 637	9606.E NSP00 000370 473	9606.ENS P0000029 5897	0	0	0	0	0	0	0.565	0.565
NTR K2	PVA LB	1846 523	1842 563	9606.E NSP00 000277 120	9606.ENS P0000021 6200	0	0	0	0	0	0	0.565	0.565
TRE H	PYG L	1845 463	1842 591	9606.E NSP00 000264 029	9606.ENS P0000021 6392	0	0	0	0	0.125	0	0.523	0.565

SCN N1G	AP1 M2	1848 129	1844 001	9606.E NSP00 000300 061	9606.ENS P0000025 0244	0	0	0	0	0	0.564	0.045	0.565
TOP2 A	TOX 3	1860 923	1842 768	9606.E NSP00 000411 532	9606.ENS P0000021 9746	0	0	0	0	0.114	0.504	0.09	0.565
NT5 DC3	FLT1	1858 051	1846 791	9606.E NSP00 000376 615	9606.ENS P0000028 2397	0	0	0	0	0	0	0.564	0.564
SHM T2	HAO 2	1851 612	1849 865	9606.E NSP00 000333 667	9606.ENS P0000031 6339	0	0	0	0	0	0	0.564	0.564
SLC7 A8	SLC6 A19	1850 240	1848 720	9606.E NSP00 000320 378	9606.ENS P0000030 5302	0	0	0	0	0	0	0.564	0.564
KIT	ICA M1	1847 112	1845 628	9606.E NSP00 000288 135	9606.ENS P0000026 4832	0	0	0	0	0	0	0.564	0.564



NR11 3	NDC 80	1854 699	1844 946	9606.E NSP00 000356 958	9606.ENS P0000026 1597	0	0	0	0	0	0	0.564	0.564
LYP D6B	CCN D1	1859 236	1843 117	9606.E NSP00 000387 077	9606.ENS P0000022 7507	0	0	0	0	0	0	0.564	0.564
TLR7	FSTL 1	1857 265	1847 596	9606.E NSP00 000370 034	9606.ENS P0000029 5633	0	0	0	0	0	0	0.564	0.564
PDP2	SLC1 3A3	1849 193	1846 611	9606.E NSP00 000309 548	9606.ENS P0000027 9027	0	0	0	0	0	0	0.564	0.564
LIC AM	ITG A5	1855 168	1847 411	9606.E NSP00 000359 074	9606.ENS P0000029 3379	0	0	0	0	0	0.564	0	0.564
NUS API	NDC 80	1862 836	1844 946	9606.E NSP00 000453 403	9606.ENS P0000026 1597	0	0	0	0	0.432	0	0.265	0.564

REC QL	BRIP 1	1859 865	1844 657	9606.E NSP00 000395 449	9606.ENS P0000025 9008	0	0	0	0	0	0	0.563	0.564
CTSS	ALB	1854 929	1847 637	9606.E NSP00 000357 981	9606.ENS P0000029 5897	0	0	0	0	0	0	0.564	0.564
SMC 4	BUB 1	1852 454	1848 415	9606.E NSP00 000341 382	9606.ENS P0000030 2530	0	0	0	0	0.28	0.149	0.344	0.563
ERB B4	FGF1	1852 571	1852 115	9606.E NSP00 000342 235	9606.ENS P0000033 8548	0	0	0	0	0	0	0.563	0.563
ABC G1	CSF1 R	1854 276	1847 002	9606.E NSP00 000354 995	9606.ENS P0000028 6301	0	0	0	0	0	0.075	0.547	0.563
KIA A010 1	KNG 1	1848 123	1845 668	9606.E NSP00 000300 035	9606.ENS P0000026 5023	0	0	0	0	0	0	0.563	0.563

MYH 10	RAC 2	1846 079	1843 949	9606.E NSP00 000269 243	9606.ENS P0000024 9071	0	0	0	0	0	0.257	0.436	0.563
CLC NKB	CLD N16	1856 357	1845 612	9606.E NSP00 000364 831	9606.ENS P0000026 4734	0	0	0	0	0	0	0.563	0.563
CCN B2	BUB 1B	1847 117	1847 075	9606.E NSP00 000288 207	9606.ENS P0000028 7598	0	0	0	0	0.154	0	0.505	0.563
CAS R	SLC1 2A1	1861 464	1857 315	9606.E NSP00 000420 194	9606.ENS P0000037 0381	0	0	0	0	0	0	0.563	0.563
MMP 1	ALB	1850 481	1847 637	9606.E NSP00 000322 788	9606.ENS P0000029 5897	0	0	0	0	0	0	0.563	0.563
MMP 9	PTP RC	1855 661	1854 576	9606.E NSP00 000361 405	9606.ENS P0000035 6346	0	0	0	0	0	0	0.563	0.563

SLC2 A1	VEG FA	1861 219	1855 611	9606.E NSP00 000416 293	9606.ENS P0000036 1125	0	0	0	0	0	0	0.563	0.563
BRC A2	CCN D1	1857 163	1843 117	9606.E NSP00 000369 497	9606.ENS P0000022 7507	0	0	0	0	0	0	0.563	0.563
GGT 6	TOP 2A	1863 209	1860 923	9606.E NSP00 000458 307	9606.ENS P0000041 1532	0	0	0	0	0	0	0.563	0.563
SLA MF6	CD4 8	1854 717	1854 716	9606.E NSP00 000357 036	9606.ENS P0000035 7025	0	0	0	0	0	0	0.562	0.562
HK2	ACL Y	1847 242	1844 250	9606.E NSP00 000290 573	9606.ENS P0000025 3792	0	0	0	0	0.141	0	0.511	0.562
MYC	TGF A	1856 789	1847 571	9606.E NSP00 000367 207	9606.ENS P0000029 5400	0	0	0	0	0	0	0.561	0.562

FUT6	BCA M	1847 043	1846 140	9606.E NSP00 000286 955	9606.ENS P0000027 0233	0	0	0	0	0	0	0.562	0.562
SLC1 2A1	UMO D	1857 315	1848 826	9606.E NSP00 000370 381	9606.ENS P0000030 6279	0	0	0	0	0	0	0.562	0.562
MSR 1	SCA RB1	1845 062	1844 967	9606.E NSP00 000262 101	9606.ENS P0000026 1693	0	0	0	0	0	0	0.562	0.562
EGF R	SLC1 A4	1846 445	1843 391	9606.E NSP00 000275 493	9606.ENS P0000023 4256	0	0	0	0	0	0	0.561	0.561
DGK D	PLE K	1845 472	1843 395	9606.E NSP00 000264 057	9606.ENS P0000023 4313	0	0	0	0	0	0	0.561	0.561
SLC3 4A1	CYP 27B1	1850 348	1843 152	9606.E NSP00 000321 424	9606.ENS P0000022 8606	0	0	0	0	0	0	0.561	0.561

NLG N1	CDH 9	1854 143	1843 273	9606.E NSP00 000354 541	9606.ENS P0000023 1021	0	0	0	0	0	0	0.561	0.561
TRP V6	MCO LN3	1853 837	1848 676	9606.E NSP00 000352 358	9606.ENS P0000030 4843	0	0	0	0	0	0	0.561	0.561
SLC1 2A1	CLD N16	1857 315	1845 612	9606.E NSP00 000370 381	9606.ENS P0000026 4734	0	0	0	0	0	0	0.561	0.561
CCN D1	TGF B1	1843 117	1842 869	9606.E NSP00 000227 507	9606.ENS P0000022 1930	0	0	0	0	0	0	0.561	0.561
KRT 7	ERB B2	1851 127	1846 101	9606.E NSP00 000329 243	9606.ENS P0000026 9571	0	0	0	0	0	0	0.561	0.561
PTPR C	LCP2	1854 576	1842 217	9606.E NSP00 000356 346	9606.ENS P0000004 6794	0	0	0	0	0.102	0	0.532	0.561

PRC1	CKA P2	1858 173	1856 801	9606.E NSP00 000377 793	9606.ENS P0000036 7276	0	0	0	0	0.467	0	0.211	0.561
EGF R	KNG 1	1846 445	1845 668	9606.E NSP00 000275 493	9606.ENS P0000026 5023	0	0	0	0	0	0	0.561	0.561
NPH S1	SUL F1	1856 951	1844 757	9606.E NSP00 000368 190	9606.ENS P0000026 0128	0	0	0	0	0	0	0.561	0.561
PTPR C	KITL G	1854 576	1843 134	9606.E NSP00 000356 346	9606.ENS P0000022 8280	0	0	0	0	0	0	0.561	0.561
CXC L10	TLR 3	1848 754	1847 791	9606.E NSP00 000305 651	9606.ENS P0000029 6795	0	0	0	0	0	0	0.561	0.561
RRM 2	ACL Y	1854 033	1844 250	9606.E NSP00 000353 770	9606.ENS P0000025 3792	0	0	0	0	0.157	0	0.501	0.561

CAC NA2 D3	SUS D2	1861 397	1853 667	9606.E NSP00 000419 101	9606.ENS P0000035 1075	0	0	0	0	0	0	0.561	0.561
CKB	PYG L	1848 031	1842 591	9606.E NSP00 000299 198	9606.ENS P0000021 6392	0	0	0	0	0.159	0.254	0.357	0.561
CA9	HMO X1	1856 855	1842 546	9606.E NSP00 000367 608	9606.ENS P0000021 6117	0	0	0	0	0	0	0.561	0.561
NPY 1R	C10o rf10	1854 180	1847 947	9606.E NSP00 000354 652	9606.ENS P0000029 8295	0	0	0	0	0	0	0.561	0.561
KIT	CD4	1847 112	1842 167	9606.E NSP00 000288 135	9606.ENS P0000001 1653	0	0	0	0	0	0	0.561	0.561
RHC G	SLC2 6A4	1845 993	1845 790	9606.E NSP00 000268 122	9606.ENS P0000026 5715	0	0	0	0	0	0	0.561	0.561



ABC A1	ALB	1856 172	1847 637	9606.E NSP00 000363 868	9606.ENS P0000029 5897	0	0	0	0	0	0	0.561	0.561
ERB B4	SLC1 A4	1852 571	1843 391	9606.E NSP00 000342 235	9606.ENS P0000023 4256	0	0	0	0	0	0	0.561	0.561
NUS AP1	CCN B2	1862 836	1847 117	9606.E NSP00 000453 403	9606.ENS P0000028 8207	0	0	0	0	0.225	0	0.457	0.561
CD48	SLA MF7	1854 716	1854 715	9606.E NSP00 000357 025	9606.ENS P0000035 7022	0	0	0	0	0	0	0.56	0.56
SEM A5B	PLX ND1	1853 557	1849 931	9606.E NSP00 000350 215	9606.ENS P0000031 7128	0	0	0	0	0	0	0.56	0.56
CLD N8	CGN	1847 039	1846 205	9606.E NSP00 000286 809	9606.ENS P0000027 1636	0	0	0	0	0	0	0.56	0.56

PKH D1	AQP 2	1855 407	1842 380	9606.E NSP00 000360 158	9606.ENS P0000019 9280	0	0	0	0	0	0	0.56	0.56
ITK	STA P1	1860 098	1845 746	9606.E NSP00 000398 655	9606.ENS P0000026 5404	0	0	0	0	0	0	0.56	0.56
HAD H	SLC1 6A1	1859 056	1855 069	9606.E NSP00 000385 638	9606.ENS P0000035 8640	0	0	0	0	0	0	0.56	0.56
FUT3	BCA M	1848 747	1846 140	9606.E NSP00 000305 603	9606.ENS P0000027 0233	0	0	0	0	0	0	0.56	0.56
CD86	TLR 2	1851 423	1844 747	9606.E NSP00 000332 049	9606.ENS P0000026 0010	0	0	0	0	0	0	0.56	0.56
CD2	ATP 1A1	1855 033	1847 591	9606.E NSP00 000358 490	9606.ENS P0000029 5598	0	0	0	0	0	0	0.56	0.56

ATP6 VOA 4	AQP 2	1844 258	1842 380	9606.E NSP00 000253 856	9606.ENS P0000019 9280	0	0	0	0	0	0	0.56	0.56
CYB B	NOS 1	1856 898	1852 004	9606.E NSP00 000367 851	9606.ENS P0000033 7459	0	0	0	0	0	0	0.56	0.56
SCD	ABC G1	1855 232	1854 276	9606.E NSP00 000359 380	9606.ENS P0000035 4995	0	0	0	0	0	0	0.56	0.56
RHO BTB 3	ACT G2	1857 125	1847 542	9606.E NSP00 000369 318	9606.ENS P0000029 5137	0	0	0	0	0	0	0.559	0.559
KRT 7	EGF R	1851 127	1846 445	9606.E NSP00 000329 243	9606.ENS P0000027 5493	0	0	0	0	0	0.155	0.5	0.559
RHB G	SLC2 6A4	1854 768	1845 790	9606.E NSP00 000357 229	9606.ENS P0000026 5715	0	0	0	0	0	0	0.559	0.559

RHO H	ACT G2	1857 435	1847 542	9606.E NSP00 000371 219	9606.ENS P0000029 5137	0	0	0	0	0	0	0.559	0.559
SLC2 2A6	SLC O2B 1	1856 766	1847 180	9606.E NSP00 000367 102	9606.ENS P0000028 9575	0	0	0	0	0	0	0.558	0.558
ARL 4C	RAB 25	1857 876	1854 111	9606.E NSP00 000375 057	9606.ENS P0000035 4376	0	0	0	0	0.068	0.222	0.44	0.558
RAB 25	ARL 4D	1854 111	1850 470	9606.E NSP00 000354 376	9606.ENS P0000032 2628	0	0	0	0	0.068	0.222	0.44	0.558
BMP 7	GPC 3	1858 342	1858 180	9606.E NSP00 000379 204	9606.ENS P0000037 7836	0	0	0	0	0	0.099	0.53	0.558
PBK	PLK 1	1848 348	1848 135	9606.E NSP00 000301 905	9606.ENS P0000030 0093	0	0	0	0.631	0.517	0	0.264	0.558

HIST 1H2B M	ASF1 B	1853 848	1845 347	9606.E NSP00 000352 442	9606.ENS P0000026 3382	0	0	0	0	0.113	0.197	0.429	0.558
ASP M	SMC 4	1854 584	1852 454	9606.E NSP00 000356 379	9606.ENS P0000034 1382	0	0	0	0	0.512	0	0.131	0.557
MMP 9	PTG S2	1855 661	1854 602	9606.E NSP00 000361 405	9606.ENS P0000035 6438	0	0	0	0	0	0	0.557	0.557
CDK 18	BUB 1	1861 603	1848 415	9606.E NSP00 000423 665	9606.ENS P0000030 2530	0	0	0	0	0.157	0.22	0.381	0.557
PPA RGC 1A	PCK 2	1845 634	1842 620	9606.E NSP00 000264 867	9606.ENS P0000021 6780	0	0	0	0	0	0	0.557	0.557
TNF SF13 B	EPB4 1L5	1856 399	1845 401	9606.E NSP00 000365 048	9606.ENS P0000026 3713	0	0	0	0	0	0	0.557	0.557

FBP1	LDH B	1856 276	1843 197	9606.E NSP00 000364 475	9606.ENS P0000022 9319	0	0	0	0	0.112	0.142	0.466	0.557
SPARCL 1	COL 1A1	1846 796	1843 064	9606.E NSP00 000282 470	9606.ENS P0000022 5964	0	0	0	0	0.434	0	0.249	0.556
HIST 1H3B 1	UHR FIBP 1	1843 731	1842 358	9606.E NSP00 000244 661	9606.ENS P0000019 2788	0	0	0	0	0	0.556	0	0.556
PLK2	KIF2 0B	1846 372	1844 820	9606.E NSP00 000274 289	9606.ENS P0000026 0753	0	0	0	0	0.181	0	0.48	0.556
PDP2	PDK 1	1849 193	1846 769	9606.E NSP00 000309 548	9606.ENS P0000028 2077	0	0	0	0	0.065	0.11	0.51	0.556
ASP M	KIF2 0B	1854 584	1844 820	9606.E NSP00 000356 379	9606.ENS P0000026 0753	0	0	0	0	0.511	0	0.127	0.555

HCK	MPP 7	1856 392	1852 051	9606.E NSP00 000365 012	9606.ENS P0000033 7907	0.462	0	0	0	0	0.077	0.176	0.555
GAT A3	KIT	1857 010	1847 112	9606.E NSP00 000368 632	9606.ENS P0000028 8135	0	0	0	0	0	0.074	0.539	0.555
POS TN	MMP 1	1857 088	1850 481	9606.E NSP00 000369 071	9606.ENS P0000032 2788	0	0	0	0	0	0	0.554	0.554
CEN PF	KIF1 1	1854 480	1844 817	9606.E NSP00 000355 922	9606.ENS P0000026 0731	0	0	0	0	0.142	0	0.502	0.554
ANG PTL4	PNP LA3	1848 295	1842 557	9606.E NSP00 000301 455	9606.ENS P0000021 6180	0	0	0	0	0	0	0.554	0.554
KDR	CCN D1	1845 437	1843 117	9606.E NSP00 000263 923	9606.ENS P0000022 7507	0	0	0	0	0	0	0.553	0.553

TLR3	ICA M1	1847 791	1845 628	9606.E NSP00 000296 795	9606.ENS P0000026 4832	0	0	0	0	0	0	0.552	0.553
FGF9	ERB B4	1857 512	1852 571	9606.E NSP00 000371 790	9606.ENS P0000034 2235	0	0	0	0	0	0	0.553	0.553
GAB RA2	CLIC 5	1853 367	1842 349	9606.E NSP00 000348 897	9606.ENS P0000018 5206	0	0	0	0	0	0	0.067	0.552
COL 4A1	SPA RCL 1	1856 385	1846 796	9606.E NSP00 000364 979	9606.ENS P0000028 2470	0	0	0	0	0.434	0	0.241	0.552
HEC W2	ARR DC2	1844 836	1842 896	9606.E NSP00 000260 983	9606.ENS P0000022 2250	0	0	0	0	0	0.263	0.418	0.552
HEC W1	ARR DC2	1858 345	1842 896	9606.E NSP00 000379 228	9606.ENS P0000022 2250	0	0	0	0	0	0.263	0.418	0.552



EGFR	TIMP1	1846445	1842705	9606.E NSP00 000275 493	9606.ENS P0000021 8388	0	0	0	0	0	0	0.552	0.552
NEDD4L	ARRDC2	1858810	1842896	9606.E NSP00 000383 199	9606.ENS P0000022 2250	0	0	0	0	0	0.263	0.418	0.552
CLCNKB	CLIC2	1856357	1855026	9606.E NSP00 000364 831	9606.ENS P0000035 8460	0	0	0	0	0	0	0.064	0.551
ITK	EGFR	1860098	1846445	9606.E NSP00 000398 655	9606.ENS P0000027 5493	0	0	0	0.698	0	0.46	0.573	0.551
CLIC2	CLCNKA	1855026	1851515	9606.E NSP00 000358 460	9606.ENS P0000033 2771	0	0	0	0	0	0	0.064	0.551
CKAP2	PLK1	1856801	1848135	9606.E NSP00 000367 276	9606.ENS P0000030 0093	0	0	0	0	0.431	0	0.243	0.55

NDC 80	DLG AP5	1844 946	1843 859	9606.E NSP00 000261 597	9606.ENS P0000024 7191	0	0	0	0	0.281	0	0.4	0.55
RHB G	SLC9 A2	1854 768	1843 378	9606.E NSP00 000357 229	9606.ENS P0000023 3969	0	0	0	0	0	0.11	0.515	0.55
MAR VEL D2	CLD N16	1850 529	1845 612	9606.E NSP00 000323 264	9606.ENS P0000026 4734	0	0	0	0	0	0	0.55	0.55
MPP 7	CSF1 R	1852 051	1847 002	9606.E NSP00 000337 907	9606.ENS P0000028 6301	0.462	0	0	0	0	0.077	0.166	0.549
MPP 7	FLT1	1852 051	1846 791	9606.E NSP00 000337 907	9606.ENS P0000028 2397	0.462	0	0	0	0	0.077	0.166	0.549
CLC NKB	AQP 2	1856 357	1842 380	9606.E NSP00 000364 831	9606.ENS P0000019 9280	0	0	0	0	0	0	0.549	0.549

MPP 7	KDR	1852 051	1845 437	9606.E NSP00 000337 907	9606.ENS P0000026 3923	0.462	0	0	0	0	0.077	0.166	0.549
MPP 1	COL 1A1	1850 481	1843 064	9606.E NSP00 000322 788	9606.ENS P0000022 5964	0	0	0	0	0	0	0.549	0.549
MPP 7	MET	1852 051	1849 944	9606.E NSP00 000337 907	9606.ENS P0000031 7272	0.462	0	0	0	0	0.077	0.166	0.549
MPP 7	PBK	1852 051	1848 348	9606.E NSP00 000337 907	9606.ENS P0000030 1905	0.462	0	0	0	0	0.077	0.166	0.549
ITK	MPP 7	1860 098	1852 051	9606.E NSP00 000398 655	9606.ENS P0000033 7907	0.462	0	0	0	0	0.077	0.166	0.549
JAK3	MPP 7	1859 586	1852 051	9606.E NSP00 000391 676	9606.ENS P0000033 7907	0.462	0	0	0	0	0.077	0.166	0.549

MPP 7	EPH A3	1852 051	1852 002	9606.E NSP00 000337 907	9606.ENS P0000033 7451	0.462	0	0	0	0	0.077	0.166	0.549
MPP 7	MEL K	1852 051	1847 923	9606.E NSP00 000337 907	9606.ENS P0000029 8048	0.462	0	0	0	0	0.077	0.166	0.549
MPP 7	AXL	1852 051	1848 254	9606.E NSP00 000337 907	9606.ENS P0000030 1178	0.462	0	0	0	0	0.077	0.166	0.549
CP	HMO X1	1845 575	1842 546	9606.E NSP00 000264 613	9606.ENS P0000021 6117	0	0	0	0	0	0	0.549	0.549
MPP 7	BTK	1852 051	1849 039	9606.E NSP00 000337 907	9606.ENS P0000030 8176	0.462	0	0	0	0	0.077	0.166	0.549
CLIC 2	CLIC 5	1855 026	1842 349	9606.E NSP00 000358 460	9606.ENS P0000018 5206	0	0	0	0.973	0	0	0.769	0.549

MPP 7	KIT	1852 051	1847 112	9606.E NSP00 000337 907	9606.ENS P0000028 8135	0.462	0	0	0	0	0.077	0.166	0.549
FGF R2	MPP 7	1860 837	1852 051	9606.E NSP00 000410 294	9606.ENS P0000033 7907	0.462	0	0	0	0	0.077	0.166	0.549
SLC1 2A1	SLC9 A2	1857 315	1843 378	9606.E NSP00 000370 381	9606.ENS P0000023 3969	0	0	0	0	0	0.09	0.524	0.549
PPAP DC1 A	KCN J1	1858 591	1858 031	9606.E NSP00 000381 302	9606.ENS P0000037 6432	0	0	0	0	0	0	0.549	0.549
FMN 2	ACT G2	1850 090	1847 542	9606.E NSP00 000318 884	9606.ENS P0000029 5137	0	0	0	0	0	0.111	0.513	0.549
MPP 7	TRIB 3	1852 051	1842 649	9606.E NSP00 000337 907	9606.ENS P0000021 7233	0.462	0	0	0	0	0.077	0.166	0.549

TNF RSF1 0B	CNT N3	1846 494	1845 387	9606.E NSP00 000276 431	9606.ENS P0000026 3665	0	0	0	0	0	0	0.548	0.548
PIK3 CG	ACT G2	1853 801	1847 542	9606.E NSP00 000352 121	9606.ENS P0000029 5137	0	0	0	0	0	0.149	0.49	0.547
TNF SF13 B	ACO X2	1856 399	1848 984	9606.E NSP00 000365 048	9606.ENS P0000030 7697	0	0	0	0	0	0	0.547	0.547
RHO H	RAS L11B	1857 435	1843 927	9606.E NSP00 000371 219	9606.ENS P0000024 8706	0	0	0	0	0	0.241	0.428	0.547
RAC 2	RER GL	1843 949	1843 177	9606.E NSP00 000249 071	9606.ENS P0000022 9002	0	0	0	0	0	0.241	0.428	0.547
RHO H	RER GL	1857 435	1843 177	9606.E NSP00 000371 219	9606.ENS P0000022 9002	0	0	0	0	0	0.241	0.428	0.547

FGF R2	BMP 7	1860 837	1858 342	9606.E NSP00 000410 294	9606.ENS P0000037 9204	0	0	0	0	0	0.089	0.524	0.547
MAP K4	DUS P10	1858 818	1854 467	9606.E NSP00 000383 234	9606.ENS P0000035 5866	0	0	0	0	0	0.303	0.378	0.547
RHO BTB 3	RAS L11B	1857 125	1843 927	9606.E NSP00 000369 318	9606.ENS P0000024 8706	0	0	0	0	0	0.241	0.428	0.547
CKB	ALD OC	1848 031	1843 081	9606.E NSP00 000299 198	9606.ENS P0000022 6253	0	0	0	0	0.288	0	0.391	0.547
KRT 7	TNF AIP6	1851 127	1843 667	9606.E NSP00 000329 243	9606.ENS P0000024 3347	0	0	0	0	0.484	0	0.159	0.547
RHO BTB 3	RAS D1	1857 125	1843 042	9606.E NSP00 000369 318	9606.ENS P0000022 5688	0	0	0	0	0	0.241	0.428	0.547

RHO BTB 3	DIR AS2	1857 125	1856 374	9606.E NSP00 000369 318	9606.ENS P0000036 4919	0	0	0	0	0	0.241	0.428	0.547
RHO BTB 3	RER GL	1857 125	1843 177	9606.E NSP00 000369 318	9606.ENS P0000022 9002	0	0	0	0	0	0.241	0.428	0.547
HMO X1	NFE 2L3	1842 546	1842 231	9606.E NSP00 000216 117	9606.ENS P0000005 6233	0	0	0	0	0	0	0.547	0.547
RAC 2	RAS L11B	1843 949	1843 927	9606.E NSP00 000249 071	9606.ENS P0000024 8706	0	0	0	0	0	0.241	0.428	0.547
ESR RB	ELF5	1857 301	1849 372	9606.E NSP00 000370 270	9606.ENS P0000031 1010	0	0	0	0	0	0.074	0.53	0.546
ACS F2	ACL Y	1848 182	1844 250	9606.E NSP00 000300 441	9606.ENS P0000025 3792	0.094	0	0	0	0	0	0.519	0.546



HCK	INPP 5D	1856 392	1853 868	9606.E NSP00 000365 012	9606.ENS P0000035 2575	0	0	0	0	0	0.488	0.151	0.546
GLD C	PRO DH2	1857 365	1848 253	9606.E NSP00 000370 737	9606.ENS P0000030 1175	0	0	0	0	0.093	0	0.52	0.546
HOG A1	ACL Y	1855 317	1844 250	9606.E NSP00 000359 680	9606.ENS P0000025 3792	0	0	0	0	0.15	0	0.488	0.546
SLC2 6A4	WN K4	1845 790	1843 844	9606.E NSP00 000265 715	9606.ENS P0000024 6914	0	0	0	0	0	0	0.546	0.546
SLC2 2A8	ABC A6	1851 983	1846 904	9606.E NSP00 000337 335	9606.ENS P0000028 4425	0	0	0	0	0	0	0.545	0.545
FOX M1	PCK 2	1852 579	1842 620	9606.E NSP00 000342 307	9606.ENS P0000021 6780	0	0	0	0	0	0	0.545	0.545

PLO D2	P4H A1	1846 823	1845 365	9606.E NSP00 000282 903	9606.ENS P0000026 3556	0	0	0	0	0.09	0	0.521	0.545
FOX M1	CCN D1	1852 579	1843 117	9606.E NSP00 000342 307	9606.ENS P0000022 7507	0	0	0	0	0	0	0.545	0.545
CEN PE	DLG AP5	1845 701	1843 859	9606.E NSP00 000265 148	9606.ENS P0000024 7191	0	0	0	0	0.185	0	0.463	0.544
CLC NKB	CLC NKA	1856 357	1851 515	9606.E NSP00 000364 831	9606.ENS P0000033 2771	0	0	0	0.988	0	0	0.891	0.544
PLK1	DLG AP5	1848 135	1843 859	9606.E NSP00 000300 093	9606.ENS P0000024 7191	0	0	0	0	0.248	0	0.419	0.544
PNC K	PFK FB4	1860 564	1843 311	9606.E NSP00 000405 950	9606.ENS P0000023 2375	0	0	0	0	0	0	0.543	0.544

MYC	DCL K1	1856 789	1844 379	9606.E NSP00 000367 207	9606.ENS P0000025 5448	0	0	0	0	0	0.132	0.496	0.544
ADH 1B	GPD 1L	1848 863	1846 804	9606.E NSP00 000306 606	9606.ENS P0000028 2541	0	0	0	0	0	0	0.544	0.544
ACO X2	OXC T1	1848 984	1842 370	9606.E NSP00 000307 697	9606.ENS P0000019 6371	0.15	0	0	0	0	0	0.486	0.544
SLA	EGF R	1859 768	1846 445	9606.E NSP00 000394 049	9606.ENS P0000027 5493	0	0	0	0	0	0.523	0.08	0.543
LDH D	ACL Y	1848 124	1844 250	9606.E NSP00 000300 051	9606.ENS P0000025 3792	0	0	0	0	0.081	0	0.523	0.543
KIT	TGF B1	1847 112	1842 869	9606.E NSP00 000288 135	9606.ENS P0000022 1930	0	0	0	0	0	0.089	0.519	0.543

ITGA 4	ITG AL	1858 446	1853 413	9606.E NSP00 000380 227	9606.ENS P0000034 9252	0	0	0	0.647	0	0	0.82	0.543
SCN N1A	AQP 2	1853 964	1842 380	9606.E NSP00 000353 292	9606.ENS P0000019 9280	0	0	0	0	0	0	0.543	0.543
SLC1 2A1	SLC3 4A1	1857 315	1850 348	9606.E NSP00 000370 381	9606.ENS P0000032 1424	0	0	0	0	0	0	0.543	0.543
DIR AS2	LRR N1	1856 374	1849 739	9606.E NSP00 000364 919	9606.ENS P0000031 4901	0	0	0	0	0	0.149	0.485	0.543
NUF 2	DLG AP5	1846 198	1843 859	9606.E NSP00 000271 452	9606.ENS P0000024 7191	0	0	0	0	0.173	0	0.471	0.543
FLT1	TGF B1	1846 791	1842 869	9606.E NSP00 000282 397	9606.ENS P0000022 1930	0	0	0	0	0	0.089	0.519	0.543

SLC1 2A1	SLC9 A4	1857 315	1847 560	9606.E NSP00 000370 381	9606.ENS P0000029 5269	0	0	0	0	0	0.09	0.519	0.543
CAS P1	TLR 7	1860 827	1857 265	9606.E NSP00 000410 076	9606.ENS P0000037 0034	0	0	0	0	0	0.102	0.511	0.542
GLD C	OGD HL	1857 365	1856 045	9606.E NSP00 000370 737	9606.ENS P0000036 3216	0	0	0	0	0.146	0	0.486	0.542
PTP N22	NCK 1	1853 901	1847 149	9606.E NSP00 000352 833	9606.ENS P0000028 8986	0	0	0	0	0	0.262	0.404	0.542
GLD C	ALD H4A 1	1857 365	1847 245	9606.E NSP00 000370 737	9606.ENS P0000029 0597	0	0	0	0	0	0.167	0.473	0.542
SLC1 2A1	ATP 1A1	1857 315	1847 591	9606.E NSP00 000370 381	9606.ENS P0000029 5598	0	0	0	0	0	0.092	0.517	0.542

MYO 7B	FRE M2	1859 171	1846 671	9606.E NSP00 000386 461	9606.ENS P0000028 0481	0	0	0	0	0	0	0.541	0.541
CLC NKA	ANO 2	1851 515	1849 678	9606.E NSP00 000332 771	9606.ENS P0000031 4048	0	0	0	0	0	0	0	0.54
GAB RA2	CLC NKA	1853 367	1851 515	9606.E NSP00 000348 897	9606.ENS P0000033 2771	0	0	0	0	0	0	0	0.54
CEP5 5	CEN PE	1855 493	1845 701	9606.E NSP00 000360 540	9606.ENS P0000026 5148	0	0	0	0	0.15	0	0.481	0.54
CLC NKB	GAB RA2	1856 357	1853 367	9606.E NSP00 000364 831	9606.ENS P0000034 8897	0	0	0	0	0	0	0	0.54
FGF1	ALB	1852 115	1847 637	9606.E NSP00 000338 548	9606.ENS P0000029 5897	0	0	0	0	0	0	0.54	0.54

SLIT 2	NTN G1	1861 570	1855 169	9606.E NSP00 000422 591	9606.ENS P0000035 9085	0	0	0	0	0	0	0.54	0.54
RAL YL	CEP1 70	1861 822	1854 392	9606.E NSP00 000430 128	9606.ENS P0000035 5500	0	0	0	0	0	0.54	0	0.54
ANO 2	CLIC 5	1849 678	1842 349	9606.E NSP00 000314 048	9606.ENS P0000018 5206	0	0	0	0	0	0	0	0.54
CLIC 2	GAB RA2	1855 026	1853 367	9606.E NSP00 000358 460	9606.ENS P0000034 8897	0	0	0	0	0	0	0	0.54
ALD H4A 1	ABA T	1847 245	1846 008	9606.E NSP00 000290 597	9606.ENS P0000026 8251	0.224	0	0	0	0.109	0.108	0.343	0.54
GLD C	ABA T	1857 365	1846 008	9606.E NSP00 000370 737	9606.ENS P0000026 8251	0	0	0	0	0.102	0	0.509	0.54

TNF RSF1 0B	BIRC 3	1846 494	1845 359	9606.E NSP00 000276 431	9606.ENS P0000026 3464	0	0	0	0	0	0	0.54	0.54
CLIC 2	ANO 2	1855 026	1849 678	9606.E NSP00 000358 460	9606.ENS P0000031 4048	0	0	0	0	0	0	0	0.54
GAB RA2	ANO 2	1853 367	1849 678	9606.E NSP00 000348 897	9606.ENS P0000031 4048	0	0	0	0	0	0	0	0.54
ABC C3	ABC A6	1846 952	1846 904	9606.E NSP00 000285 238	9606.ENS P0000028 4425	0	0	0	0	0	0.101	0.509	0.54
CLC NKB	ANO 2	1856 357	1849 678	9606.E NSP00 000364 831	9606.ENS P0000031 4048	0	0	0	0	0	0	0	0.54
EGF R	LCP2	1846 445	1842 217	9606.E NSP00 000275 493	9606.ENS P0000004 6794	0	0	0	0	0	0.425	0.232	0.539



PDLI M1	FUT 3	1855 447	1848 747	9606.E NSP00 000360 305	9606.ENS P0000030 5603	0	0	0	0	0	0	0.539	0.539
ERB B4	CCN D1	1852 571	1843 117	9606.E NSP00 000342 235	9606.ENS P0000022 7507	0	0	0	0	0	0	0.539	0.539
PLA U	MKI 67	1855 748	1854 841	9606.E NSP00 000361 850	9606.ENS P0000035 7643	0	0	0	0	0	0	0.539	0.539
MET	ALB	1849 944	1847 637	9606.E NSP00 000317 272	9606.ENS P0000029 5897	0	0	0	0	0	0	0.539	0.539
FLT1	EGF R	1846 791	1846 445	9606.E NSP00 000282 397	9606.ENS P0000027 5493	0	0	0	0.621	0	0.36	0.749	0.539
PRO M1	EGF R	1861 160	1846 445	9606.E NSP00 000415 481	9606.ENS P0000027 5493	0	0	0	0	0	0	0.539	0.539

CXC L10	CCL 18	1848 754	1842 123	9606.E NSP00 000305 651	9606.ENS P0000000 4921	0	0	0	0	0.111	0	0.503	0.539
MYO 3A	PVA LB	1845 826	1842 563	9606.E NSP00 000265 944	9606.ENS P0000021 6200	0	0	0	0	0	0.158	0.474	0.538
SELE	GRH L2	1851 385	1844 083	9606.E NSP00 000331 736	9606.ENS P0000025 1808	0	0	0	0	0	0	0.538	0.538
CTSS	PLG	1854 929	1849 130	9606.E NSP00 000357 981	9606.ENS P0000030 8938	0	0	0	0	0	0	0.538	0.538
ALB	SCA RB1	1847 637	1844 967	9606.E NSP00 000295 897	9606.ENS P0000026 1693	0	0	0	0	0	0	0.538	0.538
COL 4A1	PLO D2	1856 385	1846 823	9606.E NSP00 000364 979	9606.ENS P0000028 2903	0	0	0	0	0	0.223	0.43	0.538

ADH 6	ALD OC	1858 245	1843 081	9606.E NSP00 000378 359	9606.ENS P0000022 6253	0	0	0	0	0.076	0	0.521	0.538
KL	ENP P1	1857 155	1854 095	9606.E NSP00 000369 442	9606.ENS P0000035 4238	0	0	0	0	0	0	0.538	0.538
MMP 9	KIT	1855 661	1847 112	9606.E NSP00 000361 405	9606.ENS P0000028 8135	0	0	0	0	0	0	0.538	0.538
ITK	SER PINE 1	1860 098	1842 959	9606.E NSP00 000398 655	9606.ENS P0000022 3095	0	0	0	0	0	0.074	0.521	0.538
KL	SLC3 4A1	1857 155	1850 348	9606.E NSP00 000369 442	9606.ENS P0000032 1424	0	0	0	0	0.112	0	0.502	0.538
CEP1 70	NEIL 3	1854 392	1845 570	9606.E NSP00 000355 500	9606.ENS P0000026 4596	0	0	0	0	0	0	0.538	0.538

ALB	DCN	1847 637	1842 218	9606.E NSP00 000295 897	9606.ENS P0000005 2754	0	0	0	0	0	0	0.538	0.538
PDLI M1	HK2	1855 447	1847 242	9606.E NSP00 000360 305	9606.ENS P0000029 0573	0	0	0	0	0	0.538	0.042	0.538
NUS AP1	TPX 2	1862 836	1848 175	9606.E NSP00 000453 403	9606.ENS P0000030 0403	0	0	0	0	0.18	0	0.459	0.537
KIT	GJA1	1847 112	1846 806	9606.E NSP00 000288 135	9606.ENS P0000028 2561	0	0	0	0	0	0	0.537	0.537
PGF	ALB	1862 737	1847 637	9606.E NSP00 000451 040	9606.ENS P0000029 5897	0	0	0	0	0	0	0.537	0.537
KCN J1	CLD N16	1858 031	1845 612	9606.E NSP00 000376 432	9606.ENS P0000026 4734	0	0	0	0	0	0	0.537	0.537

BIRC 3	ATP 12A	1845 359	1842 709	9606.E NSP00 000263 464	9606.ENS P0000021 8548	0	0	0	0	0	0	0.537	0.537
SLC9 A2	ATP 12A	1843 378	1842 709	9606.E NSP00 000233 969	9606.ENS P0000021 8548	0	0	0	0	0	0.116	0.498	0.537
MEL K	CCN B2	1847 923	1847 117	9606.E NSP00 000298 048	9606.ENS P0000028 8207	0	0	0	0	0.169	0.149	0.398	0.537
ALB	CDH 2	1847 637	1846 066	9606.E NSP00 000295 897	9606.ENS P0000026 9141	0	0	0	0	0	0	0.537	0.537
ALB	PCK 2	1847 637	1842 620	9606.E NSP00 000295 897	9606.ENS P0000021 6780	0	0	0	0	0	0	0.537	0.537
NR3 C2	SCN N1G	1852 455	1848 129	9606.E NSP00 000341 390	9606.ENS P0000030 0061	0	0	0	0	0	0	0.537	0.537

SLC1 2A3	SCN N1B	1860 326	1852 969	9606.E NSP00 000402 152	9606.ENS P0000034 5751	0	0	0	0	0	0	0.536	0.536
KCN J10	TRP V5	1854 726	1845 722	9606.E NSP00 000357 068	9606.ENS P0000026 5310	0	0	0	0	0	0	0.536	0.536
ANG PT2	DLL 4	1849 738	1843 973	9606.E NSP00 000314 897	9606.ENS P0000024 9749	0	0	0	0	0	0	0.536	0.536
NUS AP1	KIF1 8A	1862 836	1845 299	9606.E NSP00 000453 403	9606.ENS P0000026 3181	0	0	0	0	0.091	0	0.267	0.536
MYH 10	PIP5 K1B	1846 079	1845 741	9606.E NSP00 000269 243	9606.ENS P0000026 5382	0	0	0	0	0	0.149	0.478	0.536
ANK 2	CDH 3	1853 464	1845 457	9606.E NSP00 000349 588	9606.ENS P0000026 4012	0	0	0	0	0	0	0.536	0.536

PTPR C	TGF B1	1854 576	1842 869	9606.E NSP00 000356 346	9606.ENS P0000022 1930	0	0	0	0	0	0	0.536	0.536
ANK 3	CDH 3	1846 690	1845 457	9606.E NSP00 000280 772	9606.ENS P0000026 4012	0	0	0	0	0	0	0.536	0.536
SLC4 A11	ATP 6V0 A4	1857 143	1844 258	9606.E NSP00 000369 399	9606.ENS P0000025 3856	0	0	0	0	0	0	0.536	0.536
PLC L1	PIK3 CG	1860 372	1853 801	9606.E NSP00 000402 861	9606.ENS P0000035 2121	0	0	0	0	0	0.149	0.478	0.536
PRC1	MEL K	1858 173	1847 923	9606.E NSP00 000377 793	9606.ENS P0000029 8048	0	0	0	0	0.14	0.149	0.416	0.535
BUB 1B	CCN A2	1847 075	1846 354	9606.E NSP00 000287 598	9606.ENS P0000027 4026	0	0	0	0	0.157	0	0.472	0.535

INPP 5J	FLT1	1858 952	1846 791	9606.E NSP00 000384 534	9606.ENS P0000028 2397	0	0	0	0	0	0	0.535	0.535
FOX M1	LHX 1	1852 579	1844 295	9606.E NSP00 000342 307	9606.ENS P0000025 4457	0	0	0	0	0	0.086	0.512	0.535
IGFB P3	ERB B2	1857 331	1846 101	9606.E NSP00 000370 473	9606.ENS P0000026 9571	0	0	0	0	0	0	0.535	0.535
NOS 1	ICA M1	1852 004	1845 628	9606.E NSP00 000337 459	9606.ENS P0000026 4832	0	0	0	0	0	0	0.535	0.535
CXC L13	CD4	1847 033	1842 167	9606.E NSP00 000286 758	9606.ENS P0000001 1653	0	0	0	0	0	0	0.535	0.535
HAO 2	ACL Y	1849 865	1844 250	9606.E NSP00 000316 339	9606.ENS P0000025 3792	0	0	0	0	0.16	0	0.469	0.535



MMP 9	CD3 6	1855 661	1849 038	9606.E NSP00 000361 405	9606.ENS P0000030 8165	0	0	0	0	0	0	0.535	0.535
SLC1 5A2	SLC5 A2	1861 264	1850 973	9606.E NSP00 000417 085	9606.ENS P0000032 7943	0	0	0	0	0	0	0.535	0.535
CAS R	CA1 0	1861 464	1846 954	9606.E NSP00 000420 194	9606.ENS P0000028 5273	0	0	0	0	0	0	0.535	0.535
ALD OB	ADH 1A	1856 191	1842 451	9606.E NSP00 000363 988	9606.ENS P0000020 9668	0	0	0	0	0.076	0	0.517	0.535
PLG	ICA M1	1849 130	1845 628	9606.E NSP00 000308 938	9606.ENS P0000026 4832	0	0	0	0	0	0	0.535	0.535
GGH	IYD	1844 755	1843 209	9606.E NSP00 000260 118	9606.ENS P0000022 9447	0	0	0	0	0	0	0.535	0.535

PDLI M1	LIPA	1855 447	1851 986	9606.E NSP00 000360 305	9606.ENS P0000033 7354	0	0	0	0	0	0	0.535	0.535
TYR P1	CTS S	1857 771	1854 929	9606.E NSP00 000373 570	9606.ENS P0000035 7981	0	0	0	0	0	0	0.534	0.534
SMC 4	NUF 2	1852 454	1846 198	9606.E NSP00 000341 382	9606.ENS P0000027 1452	0	0	0	0	0.117	0.102	0.46	0.534
CYP 17A1	SCA RB1	1855 129	1844 967	9606.E NSP00 000358 903	9606.ENS P0000026 1693	0	0	0	0	0	0	0.534	0.534
EIF4 EBP1	EGF R	1852 358	1846 445	9606.E NSP00 000340 691	9606.ENS P0000027 5493	0	0	0	0	0	0	0.534	0.534
FLT1	ICA M1	1846 791	1845 628	9606.E NSP00 000282 397	9606.ENS P0000026 4832	0	0	0	0	0	0	0.534	0.534

ADH 6	ALD OB	1858 245	1856 191	9606.E NSP00 000378 359	9606.ENS P0000036 3988	0	0	0	0	0.076	0	0.516	0.534
CCL 20	CD4	1853 751	1842 167	9606.E NSP00 000351 671	9606.ENS P0000001 1653	0	0	0	0	0	0	0.534	0.534
TM7 SF2	CYP 4F2	1846 627	1842 855	9606.E NSP00 000279 263	9606.ENS P0000022 1700	0	0	0	0	0	0.283	0.377	0.534
SPA G5	SKA 3	1850 533	1850 147	9606.E NSP00 000323 300	9606.ENS P0000031 9417	0	0	0	0	0.157	0	0.207	0.534
TM7 SF2	CYP 4F3	1846 627	1842 824	9606.E NSP00 000279 263	9606.ENS P0000022 1307	0	0	0	0	0	0.283	0.377	0.534
TPX2	KIF1 1	1848 175	1844 817	9606.E NSP00 000300 403	9606.ENS P0000026 0731	0	0	0	0	0.157	0	0.471	0.534

HSF4	HMO X1	1845 455	1842 546	9606.E NSP00 000264 009	9606.ENS P0000021 6117	0	0	0	0	0	0	0.533	0.534
CSF1 R	TYR OBP	1847 002	1845 185	9606.E NSP00 000286 301	9606.ENS P0000026 2629	0	0	0	0	0.157	0	0.47	0.534
SLC1 2A1	SLC1 4A2	1857 315	1844 366	9606.E NSP00 000370 381	9606.ENS P0000025 5226	0	0	0	0	0	0	0.534	0.534
PLK1	CCN D1	1848 135	1843 117	9606.E NSP00 000300 093	9606.ENS P0000022 7507	0	0	0	0	0.072	0.069	0.505	0.534
CAS R	PTH LH	1861 464	1858 343	9606.E NSP00 000420 194	9606.ENS P0000037 9213	0	0	0	0	0	0	0.534	0.534
TTK	NCA PG	1855 108	1844 063	9606.E NSP00 000358 813	9606.ENS P0000025 1496	0	0	0	0	0.434	0	0.21	0.533

ANX A4	LGA LS1	1858 179	1842 521	9606.E NSP00 000377 833	9606.ENS P0000021 5909	0	0	0	0	0	0	0.533	0.533
UPP2	CCD C109 B	1859 251	1858 214	9606.E NSP00 000387 230	9606.ENS P0000037 8145	0	0	0	0	0	0	0.533	0.533
FOXI 1	SLC9 A3	1848 621	1845 649	9606.E NSP00 000304 286	9606.ENS P0000026 4938	0	0	0	0	0	0	0.533	0.533
KCN K9	KCN J2	1848 378	1843 671	9606.E NSP00 000302 166	9606.ENS P0000024 3457	0	0	0	0	0	0	0.533	0.533
KIA A010 1	PLA 2G7	1848 123	1846 414	9606.E NSP00 000300 035	9606.ENS P0000027 4793	0	0	0	0	0	0	0.533	0.533
ILDR 1	MAR VEL D2	1852 959	1850 529	9606.E NSP00 000345 667	9606.ENS P0000032 3264	0	0	0	0	0	0	0.533	0.533

F11	PRO S1	1858 999	1858 171	9606.E NSP00 000384 957	9606.ENS P0000037 7783	0	0	0	0	0	0	0.533	0.533
SLC3 0A2	FRE M2	1856 082	1846 671	9606.E NSP00 000363 394	9606.ENS P0000028 0481	0	0	0	0	0	0	0.533	0.533
FGF9	TGF B1	1857 512	1842 869	9606.E NSP00 000371 790	9606.ENS P0000022 1930	0	0	0	0	0	0	0.533	0.533
GP2	EPC AM	1857 371	1845 405	9606.E NSP00 000370 767	9606.ENS P0000026 3735	0	0	0	0	0	0	0.532	0.532
GGT 6	FAM 49A	1863 209	1853 210	9606.E NSP00 000458 307	9606.ENS P0000034 7744	0	0	0	0	0	0	0.532	0.532
NOS 1	KNG 1	1852 004	1845 668	9606.E NSP00 000337 459	9606.ENS P0000026 5023	0	0	0	0	0	0	0.532	0.532

CCN B2	TUB B2B	1847 117	1844 727	9606.E NSP00 000288 207	9606.ENS P0000025 9818	0	0	0	0	0	0.088	0.508	0.532
PXK	TNF AIP3	1853 305	1843 455	9606.E NSP00 000348 472	9606.ENS P0000023 7289	0	0	0	0	0	0	0.532	0.532
BTK	SER PINE 1	1849 039	1842 959	9606.E NSP00 000308 176	9606.ENS P0000022 3095	0	0	0	0	0	0.074	0.515	0.532
IL2R A	CD2	1857 121	1855 033	9606.E NSP00 000369 293	9606.ENS P0000035 8490	0	0	0	0	0	0	0.531	0.531
ALD OC	ADH 1A	1843 081	1842 451	9606.E NSP00 000226 253	9606.ENS P0000020 9668	0	0	0	0	0.076	0	0.513	0.531
SMC 4	CCN A2	1852 454	1846 354	9606.E NSP00 000341 382	9606.ENS P0000027 4026	0	0	0	0	0.144	0	0.474	0.531

AHN AK2	GAB ARA PL1	1853 946	1845 870	9606.E NSP00 000353 114	9606.ENS P0000026 6458	0	0	0	0	0	0.531	0	0.531
SLC2 A1	PIK3 CG	1861 219	1853 801	9606.E NSP00 000416 293	9606.ENS P0000035 2121	0	0	0	0	0	0	0.531	0.531
TLR7	PTP RC	1857 265	1854 576	9606.E NSP00 000370 034	9606.ENS P0000035 6346	0	0	0	0	0	0.101	0.5	0.531
ACA N	ALB	1859 267	1847 637	9606.E NSP00 000387 356	9606.ENS P0000029 5897	0	0	0	0	0	0	0.531	0.531
NTR K2	EGF R	1846 523	1846 445	9606.E NSP00 000277 120	9606.ENS P0000027 5493	0	0	0	0.641	0	0.425	0.534	0.531
KL	PLA T	1857 155	1842 802	9606.E NSP00 000369 442	9606.ENS P0000022 0809	0	0	0	0	0	0	0.531	0.531



GAT A3	PTP RC	1857 010	1854 576	9606.E NSP00 000368 632	9606.ENS P0000035 6346	0	0	0	0	0	0	0.53	0.53
NUF 2	KIF2 0B	1846 198	1844 820	9606.E NSP00 000271 452	9606.ENS P0000026 0753	0	0	0	0	0.112	0.266	0.337	0.53
CAV 1	FAP	1852 186	1842 354	9606.E NSP00 000339 191	9606.ENS P0000018 8790	0	0	0	0	0	0	0.53	0.53
MYO 1F	LCP1	1852 870	1849 816	9606.E NSP00 000344 871	9606.ENS P0000031 5757	0	0	0	0	0	0.105	0.497	0.53
SLIT 2	SEM A6A	1861 570	1852 946	9606.E NSP00 000422 591	9606.ENS P0000034 5512	0	0	0	0	0	0	0.53	0.53
MAP K4	PRK AR2 B	1858 818	1845 791	9606.E NSP00 000383 234	9606.ENS P0000026 5717	0	0	0	0	0	0.104	0.496	0.529

SLC1 2A1	KCN J10	1857 315	1854 726	9606.E NSP00 000370 381	9606.ENS P0000035 7068	0	0	0	0	0	0	0.529	0.529
PAQ R5	SUL F1	1852 750	1844 757	9606.E NSP00 000343 877	9606.ENS P0000026 0128	0	0	0	0	0	0	0.529	0.529
SLC6 A16	SLC7 A9	1852 124	1842 191	9606.E NSP00 000338 627	9606.ENS P0000002 3064	0	0	0	0	0	0	0.529	0.529
NEL L1	CDH 2	1853 472	1846 066	9606.E NSP00 000349 654	9606.ENS P0000026 9141	0	0	0	0	0	0	0.529	0.529
SCN N1G	TRP V5	1848 129	1845 722	9606.E NSP00 000300 061	9606.ENS P0000026 5310	0	0	0	0	0	0	0.528	0.528
KIF2 0A	NDC 80	1858 244	1844 946	9606.E NSP00 000378 356	9606.ENS P0000026 1597	0	0	0	0	0.278	0.163	0.281	0.528

MYC	PTP RC	1856 789	1854 576	9606.E NSP00 000367 207	9606.ENS P0000035 6346	0	0	0	0	0	0	0.528	0.528
ITGA L	IL2R B	1853 413	1842 567	9606.E NSP00 000349 252	9606.ENS P0000021 6223	0	0	0	0	0	0	0.528	0.528
FAB P6	NR0 B2	1858 148	1844 279	9606.E NSP00 000377 549	9606.ENS P0000025 4227	0	0	0	0	0	0	0.528	0.528
TFA P2A	ERB B4	1857 061	1852 571	9606.E NSP00 000368 924	9606.ENS P0000034 2235	0	0	0	0	0	0	0.527	0.528
TOP2 A	MYC	1860 923	1856 789	9606.E NSP00 000411 532	9606.ENS P0000036 7207	0	0	0	0	0	0.143	0.472	0.528
NSU N7	CSF1 R	1857 433	1847 002	9606.E NSP00 000371 201	9606.ENS P0000028 6301	0.462	0	0	0	0	0	0.157	0.527

NSU N7	KDR	1857 433	1845 437	9606.E NSP00 000371 201	9606.ENS P0000026 3923	0.462	0	0	0	0	0	0.157	0.527
NSU N7	MET	1857 433	1849 944	9606.E NSP00 000371 201	9606.ENS P0000031 7272	0.462	0	0	0	0	0	0.157	0.527
NSU N7	HCK	1857 433	1856 392	9606.E NSP00 000371 201	9606.ENS P0000036 5012	0.462	0	0	0	0	0	0.157	0.527
NSU N7	BTK	1857 433	1849 039	9606.E NSP00 000371 201	9606.ENS P0000030 8176	0.462	0	0	0	0	0	0.157	0.527
GAT A3	ELF5	1857 010	1849 372	9606.E NSP00 000368 632	9606.ENS P0000031 1010	0	0	0	0	0	0	0.527	0.527
ITK	NSU N7	1860 098	1857 433	9606.E NSP00 000398 655	9606.ENS P0000037 1201	0.462	0	0	0	0	0	0.157	0.527

NSU N7	KIT	1857 433	1847 112	9606.E NSP00 000371 201	9606.ENS P0000028 8135	0.462	0	0	0	0	0	0.157	0.527
CLC NKA	SLC1 4A2	1851 515	1844 366	9606.E NSP00 000332 771	9606.ENS P0000025 5226	0	0	0	0	0	0	0.527	0.527
NSU N7	PBK	1857 433	1848 348	9606.E NSP00 000371 201	9606.ENS P0000030 1905	0.462	0	0	0	0	0	0.157	0.527
PDH A1	ENO 2	1857 098	1843 192	9606.E NSP00 000369 134	9606.ENS P0000022 9277	0.122	0	0	0	0.281	0	0.311	0.527
NSU N7	AXL	1857 433	1848 254	9606.E NSP00 000371 201	9606.ENS P0000030 1178	0.462	0	0	0	0	0	0.157	0.527
NSU N7	TRIB 3	1857 433	1842 649	9606.E NSP00 000371 201	9606.ENS P0000021 7233	0.462	0	0	0	0	0	0.157	0.527

NSU N7	MEL K	1857 433	1847 923	9606.E NSP00 000371 201	9606.ENS P0000029 8048	0.462	0	0	0	0	0	0.157	0.527
JAK3	NSU N7	1859 586	1857 433	9606.E NSP00 000391 676	9606.ENS P0000037 1201	0.462	0	0	0	0	0	0.157	0.527
NSU N7	FLT1	1857 433	1846 791	9606.E NSP00 000371 201	9606.ENS P0000028 2397	0.462	0	0	0	0	0	0.157	0.527
FGF R2	NSU N7	1860 837	1857 433	9606.E NSP00 000410 294	9606.ENS P0000037 1201	0.462	0	0	0	0	0	0.157	0.527
NSU N7	EPH A3	1857 433	1852 002	9606.E NSP00 000371 201	9606.ENS P0000033 7451	0.462	0	0	0	0	0	0.157	0.527
SLC2 6A4	TRP V5	1845 790	1845 722	9606.E NSP00 000265 715	9606.ENS P0000026 5310	0	0	0	0	0	0	0.526	0.526

LOX	TIM P1	1843 271	1842 705	9606.E NSP00 000231 004	9606.ENS P0000021 8388	0	0	0	0	0.085	0	0.504	0.526
KCN J10	SLC1 A3	1854 726	1845 695	9606.E NSP00 000357 068	9606.ENS P0000026 5113	0	0	0	0	0	0	0.526	0.526
ITGA 4	ITG A5	1858 446	1847 411	9606.E NSP00 000380 227	9606.ENS P0000029 3379	0	0	0	0.689	0	0	0.842	0.526
PBL D	HPG D	1849 073	1847 749	9606.E NSP00 000308 466	9606.ENS P0000029 6522	0	0	0	0	0	0	0.526	0.526
NSU N7	PDP2	1857 433	1849 193	9606.E NSP00 000371 201	9606.ENS P0000030 9548	0.462	0	0	0	0	0	0.154	0.525
CWH 43	ATP 12A	1843 090	1842 709	9606.E NSP00 000226 432	9606.ENS P0000021 8548	0	0	0	0	0	0.086	0.502	0.525

SCD	HMG CS2	1855 232	1855 015	9606.E NSP00 000359 380	9606.ENS P0000035 8414	0	0	0	0	0	0	0.525	0.525
MYO 3A	CAL B1	1845 826	1845 750	9606.E NSP00 000265 944	9606.ENS P0000026 5431	0	0	0	0	0	0.158	0.46	0.525
MYO 3B	CAL B1	1859 134	1845 750	9606.E NSP00 000386 213	9606.ENS P0000026 5431	0	0	0	0	0	0.158	0.46	0.525
TRP V5	SLC9 A3	1845 722	1845 649	9606.E NSP00 000265 310	9606.ENS P0000026 4938	0	0	0	0	0	0	0.525	0.525
TLR2	TGF B1	1844 747	1842 869	9606.E NSP00 000260 010	9606.ENS P0000022 1930	0	0	0	0	0	0.075	0.508	0.525
MYO 3B	PVA LB	1859 134	1842 563	9606.E NSP00 000386 213	9606.ENS P0000021 6200	0	0	0	0	0	0.158	0.46	0.525



C1Q B	C3A R1	1849 670	1848 367	9606.E NSP00 000313 967	9606.ENS P0000030 2079	0	0	0	0	0.08	0	0.504	0.524
SLC6 A3	SLC1 A3	1846 148	1845 695	9606.E NSP00 000270 349	9606.ENS P0000026 5113	0	0	0	0	0	0	0.524	0.524
CD86	CCL 5	1851 423	1847 396	9606.E NSP00 000332 049	9606.ENS P0000029 3272	0	0	0	0	0.07	0	0.51	0.524
CCN B2	NUF 2	1847 117	1846 198	9606.E NSP00 000288 207	9606.ENS P0000027 1452	0	0	0	0	0.287	0	0.361	0.524
CDK 1	RAC 2	1858 283	1843 949	9606.E NSP00 000378 699	9606.ENS P0000024 9071	0	0	0	0	0	0.105	0.491	0.524
MET	ERB B2	1849 944	1846 101	9606.E NSP00 000317 272	9606.ENS P0000026 9571	0	0	0	0.633	0.065	0.305	0.815	0.523

CEP5 5	GAS 2L3	1855 493	1845 904	9606.E NSP00 000360 540	9606.ENS P0000026 6754	0	0	0	0	0.08	0	0.503	0.523
MAP K4	RHO H	1858 818	1857 435	9606.E NSP00 000383 234	9606.ENS P0000037 1219	0	0	0	0	0	0.239	0.4	0.523
SCN N1A	PRR 15L	1853 964	1848 189	9606.E NSP00 000353 292	9606.ENS P0000030 0557	0	0	0	0	0	0	0.523	0.523
SLC2 A1	SLC2 3A1	1861 219	1848 461	9606.E NSP00 000416 293	9606.ENS P0000030 2851	0	0	0	0	0	0	0.523	0.523
PBK	PLK 2	1848 348	1846 372	9606.E NSP00 000301 905	9606.ENS P0000027 4289	0	0	0	0	0.517	0	0.053	0.523
C1Q A	C3	1856 156	1843 781	9606.E NSP00 000363 773	9606.ENS P0000024 5907	0	0	0	0	0	0	0.523	0.523

POS TN	DCN	1857 088	1842 218	9606.E NSP00 000369 071	9606.ENS P0000005 2754	0	0	0	0	0.157	0	0.457	0.522
SLC1 6A10	SLC2 3A1	1854 900	1848 461	9606.E NSP00 000357 844	9606.ENS P0000030 2851	0	0	0	0	0	0	0.522	0.522
PTG ER3	AQP 2	1853 383	1842 380	9606.E NSP00 000349 003	9606.ENS P0000019 9280	0	0	0	0	0	0	0.522	0.522
MMP 9	LOX	1855 661	1843 271	9606.E NSP00 000361 405	9606.ENS P0000023 1004	0	0	0	0	0.071	0	0.507	0.522
NET O2	GRI K5	1862 942	1845 238	9606.E NSP00 000455 169	9606.ENS P0000026 2895	0	0	0	0	0	0	0.285	0.522
DNA H11	ACT G2	1851 276	1847 542	9606.E NSP00 000330 671	9606.ENS P0000029 5137	0	0	0	0	0	0.098	0.492	0.522

RHO H	CYFI P2	1857 435	1850 773	9606.E NSP00 000371 219	9606.ENS P0000032 5817	0	0	0	0	0	0.17	0.448	0.522
TOP2 A	ANL N	1860 923	1845 802	9606.E NSP00 000411 532	9606.ENS P0000026 5748	0	0	0	0	0.319	0	0.327	0.522
ACT G2	NCK AP1 L	1847 542	1847 410	9606.E NSP00 000295 137	9606.ENS P0000029 3373	0	0	0	0	0	0.102	0.49	0.522
ITGA 4	KIT	1858 446	1847 112	9606.E NSP00 000380 227	9606.ENS P0000028 8135	0	0	0	0	0	0	0.52	0.521
SLC1 2A1	SLC2 6A4	1857 315	1845 790	9606.E NSP00 000370 381	9606.ENS P0000026 5715	0	0	0	0	0	0	0.521	0.521
PRK AR2 B	TRE H	1845 791	1845 463	9606.E NSP00 000265 717	9606.ENS P0000026 4029	0	0	0	0	0.457	0	0.155	0.521

SLC2 A1	SLC5 A2	1861 219	1850 973	9606.E NSP00 000416 293	9606.ENS P0000032 7943	0	0	0	0	0	0	0.521	0.521
PRF1	CD4	1849 900	1842 167	9606.E NSP00 000316 746	9606.ENS P0000001 1653	0	0	0	0	0	0	0.521	0.521
TRP M6	CLD N19	1854 063	1847 719	9606.E NSP00 000354 006	9606.ENS P0000029 6387	0	0	0	0	0	0	0.521	0.521
MYC	SER PINE 1	1856 789	1842 959	9606.E NSP00 000367 207	9606.ENS P0000022 3095	0	0	0	0	0	0	0.52	0.521
ASP M	NDC 80	1854 584	1844 946	9606.E NSP00 000356 379	9606.ENS P0000026 1597	0	0	0	0	0.515	0	0.053	0.521
TOP2 A	PRC 1	1860 923	1858 173	9606.E NSP00 000411 532	9606.ENS P0000037 7793	0	0	0	0	0.267	0	0.373	0.521

KCN MA1	ALB	1859 069	1847 637	9606.E NSP00 000385 806	9606.ENS P0000029 5897	0	0	0	0	0	0.067	0.507	0.52
CCN A2	CEN PE	1846 354	1845 701	9606.E NSP00 000274 026	9606.ENS P0000026 5148	0	0	0	0	0.157	0.104	0.415	0.52
TNF SF13 B	PTP RC	1856 399	1854 576	9606.E NSP00 000365 048	9606.ENS P0000035 6346	0	0	0	0	0	0	0.52	0.52
SOS TDC 1	FOXI 1	1848 687	1848 621	9606.E NSP00 000304 930	9606.ENS P0000030 4286	0	0	0	0	0	0	0.52	0.52
CAL U	PAC RG	1861 478	1852 054	9606.E NSP00 000420 381	9606.ENS P0000033 7946	0	0	0	0	0	0	0.52	0.52
ASP M	CCN A2	1854 584	1846 354	9606.E NSP00 000356 379	9606.ENS P0000027 4026	0	0	0	0	0.506	0	0.07	0.52

KIT	IL2R B	1847 112	1842 567	9606.E NSP00 000288 135	9606.ENS P0000021 6223	0	0	0	0	0	0	0.52	0.52
MPP 7	PDP2	1852 051	1849 193	9606.E NSP00 000337 907	9606.ENS P0000030 9548	0.462	0	0	0	0	0	0.145	0.52
CXC R4	PTP RC	1859 216	1854 576	9606.E NSP00 000386 884	9606.ENS P0000035 6346	0	0	0	0	0	0	0.52	0.52
NET O2	SLC2 5A4	1862 942	1846 728	9606.E NSP00 000455 169	9606.ENS P0000028 1456	0	0	0	0	0	0	0.52	0.52
TRP V5	CYP 24A1	1845 722	1842 627	9606.E NSP00 000265 310	9606.ENS P0000021 6862	0	0	0	0	0	0	0.52	0.52
ACL Y	ASS1	1844 250	1844 185	9606.E NSP00 000253 792	9606.ENS P0000025 3004	0	0	0	0	0.169	0	0.446	0.52

MYC	ENO 2	1856 789	1843 192	9606.E NSP00 000367 207	9606.ENS P0000022 9277	0	0	0	0	0	0	0.518	0.519
AZG P1	SLC6 A3	1847 350	1846 148	9606.E NSP00 000292 401	9606.ENS P0000027 0349	0	0	0	0	0	0	0.519	0.519
BUB 1B	DLG AP5	1847 075	1843 859	9606.E NSP00 000287 598	9606.ENS P0000024 7191	0	0	0	0	0.114	0	0.48	0.519
RRM 2	PLK 1	1854 033	1848 135	9606.E NSP00 000353 770	9606.ENS P0000030 0093	0	0	0	0	0.282	0	0.358	0.519
SLC3 8A11	SLC3 6A2	1859 144	1851 696	9606.E NSP00 000386 272	9606.ENS P0000033 4223	0	0	0	0	0	0.107	0.484	0.519
UMO D	ALB	1848 826	1847 637	9606.E NSP00 000306 279	9606.ENS P0000029 5897	0	0	0	0	0	0	0.519	0.519



CXC L10	TLR 2	1848 754	1844 747	9606.E NSP00 000305 651	9606.ENS P0000026 0010	0	0	0	0	0.075	0	0.502	0.519
PNM A2	ALB	1861 787	1847 637	9606.E NSP00 000429 344	9606.ENS P0000029 5897	0	0	0	0	0	0	0.519	0.519
CDK 18	TUB B2B	1861 603	1844 727	9606.E NSP00 000423 665	9606.ENS P0000025 9818	0	0	0	0	0	0.092	0.492	0.519
TOP2 A	SLC1 6A1	1860 923	1855 069	9606.E NSP00 000411 532	9606.ENS P0000035 8640	0	0	0	0	0	0	0.519	0.519
CDK 1	TUB B2B	1858 283	1844 727	9606.E NSP00 000378 699	9606.ENS P0000025 9818	0	0	0	0	0	0.092	0.492	0.519
DUS P10	PTP N22	1854 467	1853 901	9606.E NSP00 000355 866	9606.ENS P0000035 2833	0	0	0	0	0	0.139	0.463	0.518

TOP2 A	ERP2 7	1860 923	1845 869	9606.E NSP00 000411 532	9606.ENS P0000026 6397	0	0	0	0	0	0.101	0.486	0.518
SLC9 A3	WN K4	1845 649	1843 844	9606.E NSP00 000264 938	9606.ENS P0000024 6914	0	0	0	0	0	0	0.518	0.518
ABC A4	CER KL	1855 201	1852 420	9606.E NSP00 000359 245	9606.ENS P0000034 1159	0	0	0	0	0	0	0.518	0.518
LIPA	FUT 3	1851 986	1848 747	9606.E NSP00 000337 354	9606.ENS P0000030 5603	0	0	0	0	0	0	0.518	0.518
PRO M1	MMP 9	1861 160	1855 661	9606.E NSP00 000415 481	9606.ENS P0000036 1405	0	0	0	0	0	0	0.518	0.518
SLC2 6A7	SLC9 A2	1849 184	1843 378	9606.E NSP00 000309 504	9606.ENS P0000023 3969	0	0	0	0	0	0	0.518	0.518

EGFR	HSP A2	1846 445	1843 861	9606.E NSP00 000275 493	9606.ENS P0000024 7207	0	0	0	0	0	0.49	0.092	0.517
GATA3	ITG AX	1857 010	1846 012	9606.E NSP00 000368 632	9606.ENS P0000026 8296	0	0	0	0	0	0	0.517	0.517
KCNIP1	PRO M2	1859 858	1850 033	9606.E NSP00 000395 323	9606.ENS P0000031 8270	0	0	0	0	0	0	0.517	0.517
CASR	PTH 1R	1861 464	1850 409	9606.E NSP00 000420 194	9606.ENS P0000032 1999	0	0	0	0	0	0	0.517	0.517
ALB	ABC B1	1847 637	1845 794	9606.E NSP00 000295 897	9606.ENS P0000026 5724	0	0	0	0	0	0	0.517	0.517
FOXM1	KIF2 0B	1852 579	1844 820	9606.E NSP00 000342 307	9606.ENS P0000026 0753	0	0	0	0	0.078	0	0.498	0.517

CLC NKB	WN K4	1856 357	1843 844	9606.E NSP00 000364 831	9606.ENS P0000024 6914	0	0	0	0	0	0	0.517	0.517
CEP1 70	OXC T1	1854 392	1842 370	9606.E NSP00 000355 500	9606.ENS P0000019 6371	0	0	0	0	0	0	0.517	0.517
ALD OB	CKB	1856 191	1848 031	9606.E NSP00 000363 988	9606.ENS P0000029 9198	0	0	0	0	0.288	0	0.35	0.517
TLR2	CD4	1844 747	1842 167	9606.E NSP00 000260 010	9606.ENS P0000001 1653	0	0	0	0	0	0	0.516	0.516
BTK	STA P1	1849 039	1845 746	9606.E NSP00 000308 176	9606.ENS P0000026 5404	0	0	0	0	0	0	0.516	0.516
IKZF 3	BTK	1852 827	1849 039	9606.E NSP00 000344 544	9606.ENS P0000030 8176	0	0	0	0	0.065	0.08	0.482	0.516

SERP INB9	PRSS 8	1857 270	1850 177	9606.E NSP00 000370 074	9606.ENS P0000031 9730	0.083	0	0	0	0	0	0.494	0.516
TNF RSF9	CD7 0	1856 697	1843 780	9606.E NSP00 000366 729	9606.ENS P0000024 5903	0	0	0	0	0	0	0.516	0.516
ABC A1	NR0 B2	1856 172	1844 279	9606.E NSP00 000363 868	9606.ENS P0000025 4227	0	0	0	0	0	0	0.516	0.516
APO LD1	ACS M3	1850 629	1847 172	9606.E NSP00 000324 277	9606.ENS P0000028 9416	0	0	0	0	0	0	0.516	0.516
MAP K10	PIK3 CG	1853 804	1853 801	9606.E NSP00 000352 157	9606.ENS P0000035 2121	0	0	0	0	0	0	0.515	0.516
PLO D2	SAM HD1	1846 823	1845 231	9606.E NSP00 000282 903	9606.ENS P0000026 2878	0	0	0	0	0	0.516	0	0.516

TLR7	CD8 6	1857 265	1851 423	9606.E NSP00 000370 034	9606.ENS P0000033 2049	0	0	0	0	0.064	0	0.504	0.515
PTPR C	CD8 6	1854 576	1851 423	9606.E NSP00 000356 346	9606.ENS P0000033 2049	0	0	0	0	0.071	0	0.5	0.515
SLC2 A14	SLC5 A2	1858 405	1850 973	9606.E NSP00 000379 834	9606.ENS P0000032 7943	0	0	0	0	0	0	0.515	0.515
PTPR C	CR2	1854 576	1854 505	9606.E NSP00 000356 346	9606.ENS P0000035 6024	0	0	0	0	0	0	0.515	0.515
ALB	KITL G	1847 637	1843 134	9606.E NSP00 000295 897	9606.ENS P0000022 8280	0	0	0	0	0	0	0.515	0.515
MAR VEL D2	CLD N19	1850 529	1847 719	9606.E NSP00 000323 264	9606.ENS P0000029 6387	0	0	0	0	0	0	0.515	0.515

CDC A7L	ALB	1858 889	1847 637	9606.E NSP00 000383 986	9606.ENS P0000029 5897	0	0	0	0	0	0	0.515	0.515
MYC	PLK 1	1856 789	1848 135	9606.E NSP00 000367 207	9606.ENS P0000030 0093	0	0	0	0	0	0.143	0.458	0.515
PIK3 CG	LAM B4	1853 801	1842 428	9606.E NSP00 000352 121	9606.ENS P0000020 5386	0	0	0	0	0	0	0.515	0.515
NUF 2	ANL N	1846 198	1845 802	9606.E NSP00 000271 452	9606.ENS P0000026 5748	0	0	0	0	0.106	0	0.48	0.515
KCN MA1	RAC 2	1859 069	1843 949	9606.E NSP00 000385 806	9606.ENS P0000024 9071	0	0	0	0	0	0	0.514	0.515
NRP 2	SEM A6A	1854 002	1852 946	9606.E NSP00 000353 582	9606.ENS P0000034 5512	0	0	0	0	0	0	0.514	0.514

ADA P2	ARL 4D	1851 153	1850 470	9606.E NSP00 000329 468	9606.ENS P0000032 2628	0	0	0	0	0	0.218	0.404	0.514
FLT1	ERB B2	1846 791	1846 101	9606.E NSP00 000282 397	9606.ENS P0000026 9571	0	0	0	0.619	0	0.36	0.65	0.514
PTPR C	FAS	1854 576	1853 242	9606.E NSP00 000356 346	9606.ENS P0000034 7979	0	0	0	0	0	0	0.514	0.514
PCK 1	ACL Y	1850 185	1844 250	9606.E NSP00 000319 814	9606.ENS P0000025 3792	0	0	0	0	0	0	0.514	0.514
SLC2 2A7	ABC B1	1855 714	1845 794	9606.E NSP00 000361 666	9606.ENS P0000026 5724	0	0	0	0	0	0	0.514	0.514
NAP 1L2	ASF1 B	1855 924	1845 347	9606.E NSP00 000362 616	9606.ENS P0000026 3382	0	0	0	0	0	0	0.514	0.514



TOP2 A	CEN PF	1860 923	1854 480	9606.E NSP00 000411 532	9606.ENS P0000035 5922	0	0	0	0	0.113	0	0.475	0.514
ALX 1	FOXI 1	1849 786	1848 621	9606.E NSP00 000315 417	9606.ENS P0000030 4286	0	0	0	0	0	0.086	0.49	0.514
BUB 1	MEL K	1848 415	1847 923	9606.E NSP00 000302 530	9606.ENS P0000029 8048	0	0	0	0	0.185	0.077	0.407	0.514
ARL 4C	ADA P2	1857 876	1851 153	9606.E NSP00 000375 057	9606.ENS P0000032 9468	0	0	0	0	0	0.218	0.404	0.514
TGM 2	CKB	1854 355	1848 031	9606.E NSP00 000355 330	9606.ENS P0000029 9198	0	0	0	0	0	0.514	0	0.514
IGF2 BP2	KIF1 1	1857 495	1844 817	9606.E NSP00 000371 634	9606.ENS P0000026 0731	0	0	0	0	0	0	0.513	0.513

FAS	PRF1	1853 242	1849 900	9606.E NSP00 000347 979	9606.ENS P0000031 6746	0	0	0	0	0	0	0.513	0.513
STA MBP L1	FOX M1	1855 577	1852 579	9606.E NSP00 000360 992	9606.ENS P0000034 2307	0	0	0	0	0	0	0.513	0.513
NUS AP1	NCA PG	1862 836	1844 063	9606.E NSP00 000453 403	9606.ENS P0000025 1496	0	0	0	0	0.288	0	0.345	0.513
LIPA	OXC T1	1851 986	1842 370	9606.E NSP00 000337 354	9606.ENS P0000019 6371	0.116	0	0	0	0	0	0.472	0.513
HMG CS2	PCK 1	1855 015	1850 185	9606.E NSP00 000358 414	9606.ENS P0000031 9814	0	0	0	0	0	0	0.513	0.513
PTP N22	PXK	1853 901	1853 305	9606.E NSP00 000352 833	9606.ENS P0000034 8472	0	0	0	0	0	0	0.513	0.513

RAB 25	FAM 57A	1854 111	1849 484	9606.E NSP00 000354 376	9606.ENS P0000031 2017	0	0	0	0	0	0	0.513	0.513
NNM T	LAM C2	1848 116	1845 485	9606.E NSP00 000299 964	9606.ENS P0000026 4144	0	0	0	0	0	0	0.513	0.513
CYB B	CP	1856 898	1845 575	9606.E NSP00 000367 851	9606.ENS P0000026 4613	0	0	0	0	0.18	0.102	0.391	0.512
DDC	SLC7 A9	1853 612	1842 191	9606.E NSP00 000350 616	9606.ENS P0000002 3064	0.136	0	0	0	0	0	0.458	0.512
UNC 5B	PLX ND1	1851 710	1849 931	9606.E NSP00 000334 329	9606.ENS P0000031 7128	0	0	0	0	0	0	0.512	0.512
NED D4L	PRSS 8	1858 810	1850 177	9606.E NSP00 000383 199	9606.ENS P0000031 9730	0	0	0	0	0	0	0.512	0.512

SLC7 A11	SLC1 A4	1846 679	1843 391	9606.E NSP00 000280 612	9606.ENS P0000023 4256	0	0	0	0	0	0	0.512	0.512
SELE	VWF	1851 385	1844 904	9606.E NSP00 000331 736	9606.ENS P0000026 1405	0	0	0	0	0	0	0.512	0.512
CAS R	GCM 1	1861 464	1844 724	9606.E NSP00 000420 194	9606.ENS P0000025 9803	0	0	0	0	0	0	0.512	0.512
FAB P7	SLC7 A11	1854 799	1846 679	9606.E NSP00 000357 429	9606.ENS P0000028 0612	0	0	0	0	0	0	0.512	0.512
PDG FD	TGF A	1858 075	1847 571	9606.E NSP00 000376 865	9606.ENS P0000029 5400	0	0	0	0	0	0	0.512	0.512
MAP 3K15	RAC 2	1852 955	1843 949	9606.E NSP00 000345 629	9606.ENS P0000024 9071	0	0	0	0	0	0.249	0.376	0.511

PLE KHB 1	PLE K	1853 017	1843 395	9606.E NSP00 000346 127	9606.ENS P0000023 4313	0	0	0	0	0	0	0.511	0.511
LRR C19	PDE 7B	1857 142	1849 328	9606.E NSP00 000369 395	9606.ENS P0000031 0661	0	0	0	0	0	0.203	0.412	0.511
TFA P2A	KIT	1857 061	1847 112	9606.E NSP00 000368 924	9606.ENS P0000028 8135	0	0	0	0	0	0	0.51	0.511
RHO H	MAP 3K15	1857 435	1852 955	9606.E NSP00 000371 219	9606.ENS P0000034 5629	0	0	0	0	0	0.249	0.376	0.511
PTPR C	CD2 7	1854 576	1845 882	9606.E NSP00 000356 346	9606.ENS P0000026 6557	0	0	0	0	0	0	0.511	0.511
KIF2 0A	DLG AP5	1858 244	1843 859	9606.E NSP00 000378 356	9606.ENS P0000024 7191	0	0	0	0	0.17	0	0.435	0.511

PDE7 B	DCN	1849 328	1842 218	9606.E NSP00 000310 661	9606.ENS P0000005 2754	0	0	0	0	0	0.203	0.412	0.511
SLC7 A11	TRIB 3	1846 679	1842 649	9606.E NSP00 000280 612	9606.ENS P0000021 7233	0	0	0	0	0	0	0.511	0.511
CLS TN2	EPH A3	1860 345	1852 002	9606.E NSP00 000402 460	9606.ENS P0000033 7451	0	0	0	0	0.511	0	0	0.511
LRR N2	PDE 7B	1854 535	1849 328	9606.E NSP00 000356 143	9606.ENS P0000031 0661	0	0	0	0	0	0.203	0.412	0.511
LRR N1	PDE 7B	1849 739	1849 328	9606.E NSP00 000314 901	9606.ENS P0000031 0661	0	0	0	0	0	0.203	0.412	0.511
GLD C	PSA T1	1857 365	1856 523	9606.E NSP00 000370 737	9606.ENS P0000036 5773	0.074	0	0	0	0.065	0	0.481	0.511

KCN J1	NR3 C2	1858 031	1852 455	9606.E NSP00 000376 432	9606.ENS P0000034 1390	0	0	0	0	0	0	0.511	0.511
CPN 2	PDE 7B	1850 148	1849 328	9606.E NSP00 000319 464	9606.ENS P0000031 0661	0	0	0	0	0	0.203	0.412	0.511
PDE7 B	LRR C2	1849 328	1847 688	9606.E NSP00 000310 661	9606.ENS P0000029 6144	0	0	0	0	0	0.203	0.412	0.511
DCX R	SIM1	1848 521	1845 239	9606.E NSP00 000303 356	9606.ENS P0000026 2901	0	0	0	0	0	0	0.511	0.511
PBK	ALB	1848 348	1847 637	9606.E NSP00 000301 905	9606.ENS P0000029 5897	0	0	0	0	0	0	0.511	0.511
RHO BTB 3	MAP 3K15	1857 125	1852 955	9606.E NSP00 000369 318	9606.ENS P0000034 5629	0	0	0	0	0	0.249	0.376	0.511

TRP V6	SLC2 6A4	1853 837	1845 790	9606.E NSP00 000352 358	9606.ENS P0000026 5715	0	0	0	0	0	0	0.511	0.511
TOP2 A	NDC 80	1860 923	1844 946	9606.E NSP00 000411 532	9606.ENS P0000026 1597	0	0	0	0	0.427	0	0.181	0.51
CAS R	TRP V6	1861 464	1853 837	9606.E NSP00 000420 194	9606.ENS P0000035 2358	0	0	0	0	0	0	0.51	0.51
PLA U	PPP1 R1A	1855 748	1844 552	9606.E NSP00 000361 850	9606.ENS P0000025 7905	0	0	0	0	0	0	0.51	0.51
SCN N1A	WN K3	1853 964	1853 080	9606.E NSP00 000353 292	9606.ENS P0000034 6667	0	0	0	0	0	0	0.51	0.51
ALB	SLC9 A3	1847 637	1845 649	9606.E NSP00 000295 897	9606.ENS P0000026 4938	0	0	0	0	0	0	0.51	0.51



EMX 2	LHX 1	1854 975	1844 295	9606.E NSP00 000358 202	9606.ENS P0000025 4457	0	0	0	0	0	0	0.51	0.51
MET	PLG	1849 944	1849 130	9606.E NSP00 000317 272	9606.ENS P0000030 8938	0	0	0	0	0	0	0.51	0.51
KNG 1	RAS D1	1845 668	1843 042	9606.E NSP00 000265 023	9606.ENS P0000022 5688	0	0	0	0	0	0	0.51	0.51
NPH S2	OLF ML2 B	1854 633	1847 506	9606.E NSP00 000356 587	9606.ENS P0000029 4794	0	0	0	0	0	0	0.51	0.51
TME M133	ARH GAP 42	1848 591	1847 994	9606.E NSP00 000303 999	9606.ENS P0000029 8815	0	0	0	0	0	0	0.51	0.51
ALB	CLE C2B	1847 637	1843 142	9606.E NSP00 000295 897	9606.ENS P0000022 8438	0	0	0	0	0	0	0.51	0.51

PRO M1	ALB	1861 160	1847 637	9606.E NSP00 000415 481	9606.ENS P0000029 5897	0	0	0	0	0	0	0.51	0.51
CD2	CD8 4	1855 033	1849 524	9606.E NSP00 000358 490	9606.ENS P0000031 2367	0	0	0	0	0	0	0.51	0.51
TOP2 A	DLG AP5	1860 923	1843 859	9606.E NSP00 000411 532	9606.ENS P0000024 7191	0	0	0	0	0.178	0	0.428	0.51
SLC2 A1	SLC1 6A1	1861 219	1855 069	9606.E NSP00 000416 293	9606.ENS P0000035 8640	0	0	0	0	0	0	0.509	0.509
CGN	CLD N16	1846 205	1845 612	9606.E NSP00 000271 636	9606.ENS P0000026 4734	0	0	0	0	0	0	0.509	0.509
NED D4L	SLC1 A3	1858 810	1845 695	9606.E NSP00 000383 199	9606.ENS P0000026 5113	0	0	0	0	0	0	0.509	0.509

SLIT 2	EPH A3	1861 570	1852 002	9606.E NSP00 000422 591	9606.ENS P0000033 7451	0	0	0	0	0	0.1	0.477	0.509
CDH 2	VIM	1846 066	1842 995	9606.E NSP00 000269 141	9606.ENS P0000022 4237	0	0	0	0	0	0	0.509	0.509
KIT	EPC AM	1847 112	1845 405	9606.E NSP00 000288 135	9606.ENS P0000026 3735	0	0	0	0	0	0	0.509	0.509
TOP2 A	OGD HL	1860 923	1856 045	9606.E NSP00 000411 532	9606.ENS P0000036 3216	0	0	0	0	0.09	0	0.483	0.509
FAB P6	NR1I 3	1858 148	1854 699	9606.E NSP00 000377 549	9606.ENS P0000035 6958	0	0	0	0	0	0	0.509	0.509
CEN PI	DLG AP5	1855 785	1843 859	9606.E NSP00 000362 018	9606.ENS P0000024 7191	0	0	0	0	0.116	0	0.468	0.509

GPH N	PVA LB	1861 331	1842 563	9606.E NSP00 000417 901	9606.ENS P0000021 6200	0	0	0	0	0	0	0.508	0.508
BMP R1B	CDH 3	1845 568	1845 457	9606.E NSP00 000264 568	9606.ENS P0000026 4012	0	0	0	0	0	0	0.508	0.508
LYZ	CD4	1844 877	1842 167	9606.E NSP00 000261 267	9606.ENS P0000001 1653	0	0	0	0	0	0	0.508	0.508
SCD	PPA RGC 1A	1855 232	1845 634	9606.E NSP00 000359 380	9606.ENS P0000026 4867	0	0	0	0	0	0	0.508	0.508
CD48	CCL 5	1854 716	1847 396	9606.E NSP00 000357 025	9606.ENS P0000029 3272	0	0	0	0	0	0	0.508	0.508
ITGA L	CD8 6	1853 413	1851 423	9606.E NSP00 000349 252	9606.ENS P0000033 2049	0	0	0	0	0	0	0.508	0.508

PTPR C	CHL 1	1854 576	1844 445	9606.E NSP00 000356 346	9606.ENS P0000025 6509	0	0	0	0	0	0.087	0.483	0.508
PRA ME	WT1	1858 647	1851 331	9606.E NSP00 000381 726	9606.ENS P0000033 1327	0	0	0	0	0	0	0.508	0.508
ITGA L	SEL E	1853 413	1851 385	9606.E NSP00 000349 252	9606.ENS P0000033 1736	0	0	0	0	0	0	0.508	0.508
MYC	ICA M1	1856 789	1845 628	9606.E NSP00 000367 207	9606.ENS P0000026 4832	0	0	0	0	0	0	0.508	0.508
KDR	TIM P1	1845 437	1842 705	9606.E NSP00 000263 923	9606.ENS P0000021 8388	0	0	0	0	0	0	0.508	0.508
EIF4 EBP1	ERB B2	1852 358	1846 101	9606.E NSP00 000340 691	9606.ENS P0000026 9571	0	0	0	0	0	0	0.508	0.508

CAS R	KL	1861 464	1857 155	9606.E NSP00 000420 194	9606.ENS P0000036 9442	0	0	0	0	0	0	0.508	0.508
LYZ	DNA SE1	1844 877	1843 845	9606.E NSP00 000261 267	9606.ENS P0000024 6949	0	0	0	0	0	0	0.508	0.508
TOP2 A	SLC1 6A10	1860 923	1854 900	9606.E NSP00 000411 532	9606.ENS P0000035 7844	0	0	0	0	0	0	0.508	0.508
ALB	SOR D	1847 637	1845 966	9606.E NSP00 000295 897	9606.ENS P0000026 7814	0	0	0	0	0	0	0.508	0.508
IL2R B	CD4	1842 567	1842 167	9606.E NSP00 000216 223	9606.ENS P0000001 1653	0	0	0	0	0	0	0.508	0.508
TBX AS1	PTG ER3	1859 424	1853 383	9606.E NSP00 000389 414	9606.ENS P0000034 9003	0	0	0	0	0	0	0.508	0.508

FAS	ICA M1	1853 242	1845 628	9606.E NSP00 000347 979	9606.ENS P0000026 4832	0	0	0	0	0	0	0.507	0.507
MYB L1	ADS SL1	1861 801	1851 543	9606.E NSP00 000429 633	9606.ENS P0000033 3019	0	0	0	0	0	0.082	0.486	0.507
BRC A2	FHIT	1857 163	1852 550	9606.E NSP00 000369 497	9606.ENS P0000034 2087	0	0	0	0	0	0	0.507	0.507
CD86	CD7 0	1851 423	1843 780	9606.E NSP00 000332 049	9606.ENS P0000024 5903	0	0	0	0	0	0	0.507	0.507
VCA N	TIM P1	1845 684	1842 705	9606.E NSP00 000265 077	9606.ENS P0000021 8388	0	0	0	0	0	0	0.507	0.507
ENA M	FUT 3	1858 362	1848 747	9606.E NSP00 000379 383	9606.ENS P0000030 5603	0	0	0	0	0	0	0.507	0.507

ANLN	DLGAP5	1845802	1843859	9606.E NSP00 000265 748	9606.ENS P0000024 7191	0	0	0	0	0.26	0	0.362	0.507
MYC	KDR	1856789	1845437	9606.E NSP00 000367 207	9606.ENS P0000026 3923	0	0	0	0	0	0	0.507	0.507
ALDH8A1	RDH10	1845778	1843555	9606.E NSP00 000265 605	9606.ENS P0000024 0285	0	0	0	0	0.112	0.122	0.419	0.507
NPHS1	VEGFA	1856951	1855611	9606.E NSP00 000368 190	9606.ENS P0000036 1125	0	0	0	0	0	0	0.507	0.507
MMP1	VCAN	1850481	1845684	9606.E NSP00 000322 788	9606.ENS P0000026 5077	0	0	0	0	0	0	0.507	0.507
ALB	PPP1R3C	1847637	1843508	9606.E NSP00 000295 897	9606.ENS P0000023 8994	0	0	0	0	0	0	0.506	0.506



FKB P10	PLO D2	1849 940	1846 823	9606.E NSP00 000317 232	9606.ENS P0000028 2903	0	0	0	0	0.126	0	0.459	0.506
SLC2 A1	TOP 2A	1861 219	1860 923	9606.E NSP00 000416 293	9606.ENS P0000041 1532	0	0	0	0	0	0	0.506	0.506
UNC 5B	DLL 4	1851 710	1843 973	9606.E NSP00 000334 329	9606.ENS P0000024 9749	0	0	0	0	0	0	0.506	0.506
ALB	AQP 2	1847 637	1842 380	9606.E NSP00 000295 897	9606.ENS P0000019 9280	0	0	0	0	0	0	0.506	0.506
VCA N	TGF B1	1845 684	1842 869	9606.E NSP00 000265 077	9606.ENS P0000022 1930	0	0	0	0	0	0	0.506	0.506
ALB	LDH B	1847 637	1843 197	9606.E NSP00 000295 897	9606.ENS P0000022 9319	0	0	0	0	0	0	0.506	0.506

CDH 2	TBX 3	1846 066	1844 516	9606.E NSP00 000269 141	9606.ENS P0000025 7566	0	0	0	0	0	0	0.505	0.506
CD16 3	CD4	1853 796	1842 167	9606.E NSP00 000352 071	9606.ENS P0000001 1653	0	0	0	0	0	0	0.506	0.506
CAS P1	ICA M1	1860 827	1845 628	9606.E NSP00 000410 076	9606.ENS P0000026 4832	0	0	0	0	0	0	0.506	0.506
TME M52 B	NXP H2	1847 967	1846 271	9606.E NSP00 000298 530	9606.ENS P0000027 2641	0	0	0	0	0	0	0.506	0.506
ENAM	LIPA	1858 362	1851 986	9606.E NSP00 000379 383	9606.ENS P0000033 7354	0	0	0	0	0	0	0.506	0.506
KL	CYP 24A1	1857 155	1842 627	9606.E NSP00 000369 442	9606.ENS P0000021 6862	0	0	0	0	0	0	0.506	0.506

SLC1 2A1	EGL N3	1857 315	1844 011	9606.E NSP00 000370 381	9606.ENS P0000025 0457	0	0	0	0	0	0	0.506	0.506
ESC O2	CCN B2	1848 903	1847 117	9606.E NSP00 000306 999	9606.ENS P0000028 8207	0	0	0	0	0.245	0.3	0.141	0.506
EIF4 EBP1	ALB	1852 358	1847 637	9606.E NSP00 000340 691	9606.ENS P0000029 5897	0	0	0	0	0	0	0.506	0.506
LYP D6B	EGF R	1859 236	1846 445	9606.E NSP00 000387 077	9606.ENS P0000027 5493	0	0	0	0	0	0	0.506	0.506
LYP D6B	MYC	1859 236	1856 789	9606.E NSP00 000387 077	9606.ENS P0000036 7207	0	0	0	0	0	0	0.506	0.506
PRE X1	PLE K	1855 583	1843 395	9606.E NSP00 000361 009	9606.ENS P0000023 4313	0	0	0	0	0	0	0.506	0.506

SELE	FUT 3	1851 385	1848 747	9606.E NSP00 000331 736	9606.ENS P0000030 5603	0	0	0	0	0	0	0.506	0.506
ICA M1	C3	1845 628	1843 781	9606.E NSP00 000264 832	9606.ENS P0000024 5907	0	0	0	0	0	0	0.506	0.506
ANO 2	GRH L2	1849 678	1844 083	9606.E NSP00 000314 048	9606.ENS P0000025 1808	0	0	0	0	0	0	0.506	0.506
CYFI P2	DOC K10	1850 773	1844 594	9606.E NSP00 000325 817	9606.ENS P0000025 8390	0	0	0	0	0.11	0	0.468	0.506
TGM 2	LDH B	1854 355	1843 197	9606.E NSP00 000355 330	9606.ENS P0000022 9319	0	0	0	0	0	0.495	0.063	0.506
VEG FA	EGL N3	1855 611	1844 011	9606.E NSP00 000361 125	9606.ENS P0000025 0457	0	0	0	0	0	0	0.506	0.506

VNN 2	LN 1	1850 433	1845 438	9606.E NSP00 000322 276	9606.ENS P0000026 3925	0	0	0	0	0	0	0.506	0.506
FGF R2	ALB	1860 837	1847 637	9606.E NSP00 000410 294	9606.ENS P0000029 5897	0	0	0	0	0	0	0.506	0.506
TNF SF13 B	CD2 7	1856 399	1845 882	9606.E NSP00 000365 048	9606.ENS P0000026 6557	0	0	0	0	0	0	0.506	0.506
TOP2 A	EGF R	1860 923	1846 445	9606.E NSP00 000411 532	9606.ENS P0000027 5493	0	0	0	0	0	0	0.505	0.505
RPS6 KA6	DOC K2	1845 209	1844 476	9606.E NSP00 000262 752	9606.ENS P0000025 6935	0	0	0	0	0.07	0	0.49	0.505
WFD C2	MUC 1	1855 731	1854 790	9606.E NSP00 000361 761	9606.ENS P0000035 7380	0	0	0	0	0	0	0.505	0.505

NUS API	SPA G5	1862 836	1850 533	9606.E NSP00 000453 403	9606.ENS P0000032 3300	0	0	0	0	0.094	0	0.216	0.505
CD3 G	APO BEC 3C	1861 876	1854 356	9606.E NSP00 000431 445	9606.ENS P0000035 5340	0	0	0	0	0	0	0.505	0.505
TLR7	CXC L10	1857 265	1848 754	9606.E NSP00 000370 034	9606.ENS P0000030 5651	0	0	0	0	0	0	0.505	0.505
NFA SC	CDH 2	1852 857	1846 066	9606.E NSP00 000344 786	9606.ENS P0000026 9141	0	0	0	0	0	0	0.504	0.505
ALB	PVA LB	1847 637	1842 563	9606.E NSP00 000295 897	9606.ENS P0000021 6200	0	0	0	0	0	0	0.505	0.505
SCD	SCA RB1	1855 232	1844 967	9606.E NSP00 000359 380	9606.ENS P0000026 1693	0	0	0	0	0	0	0.505	0.505

CCN B2	ASF1 B	1847 117	1845 347	9606.E NSP00 000288 207	9606.ENS P0000026 3382	0	0	0	0	0.224	0.276	0.19	0.505
EGF R	ABC B1	1846 445	1845 794	9606.E NSP00 000275 493	9606.ENS P0000026 5724	0	0	0	0	0	0	0.505	0.505
CAS R	EGL N3	1861 464	1844 011	9606.E NSP00 000420 194	9606.ENS P0000025 0457	0	0	0	0	0	0	0.505	0.505
ALB	SELP LG	1847 637	1843 143	9606.E NSP00 000295 897	9606.ENS P0000022 8463	0	0	0	0	0	0	0.505	0.505
NED D4L	AQP 2	1858 810	1842 380	9606.E NSP00 000383 199	9606.ENS P0000019 9280	0	0	0	0	0	0	0.505	0.505
ITGB 2	ALB	1848 511	1847 637	9606.E NSP00 000303 242	9606.ENS P0000029 5897	0	0	0	0	0	0	0.505	0.505

VEG FA	ANG PTL4	1855 611	1848 295	9606.E NSP00 000361 125	9606.ENS P0000030 1455	0	0	0	0	0	0	0.504	0.504
KCN J1	UMO D	1858 031	1848 826	9606.E NSP00 000376 432	9606.ENS P0000030 6279	0	0	0	0	0	0	0.504	0.504
EMX 1	PVA LB	1844 571	1842 563	9606.E NSP00 000258 106	9606.ENS P0000021 6200	0	0	0	0	0	0	0.504	0.504
CA9	EGL N3	1856 855	1844 011	9606.E NSP00 000367 608	9606.ENS P0000025 0457	0	0	0	0	0	0	0.504	0.504
FOXI 1	TRP V5	1848 621	1845 722	9606.E NSP00 000304 286	9606.ENS P0000026 5310	0	0	0	0	0	0	0.504	0.504
SCN N1G	SLC9 A2	1848 129	1843 378	9606.E NSP00 000300 061	9606.ENS P0000023 3969	0	0	0	0	0	0	0.504	0.504



EIF4 EBP1	PLE K	1852 358	1843 395	9606.E NSP00 000340 691	9606.ENS P0000023 4313	0	0	0	0	0	0	0.504	0.504
CDK 18	SMC 4	1861 603	1852 454	9606.E NSP00 000423 665	9606.ENS P0000034 1382	0	0	0	0	0.112	0.383	0.168	0.504
TOP2 A	ALB	1860 923	1847 637	9606.E NSP00 000411 532	9606.ENS P0000029 5897	0	0	0	0	0	0	0.504	0.504
FOXI 1	AQP 2	1848 621	1842 380	9606.E NSP00 000304 286	9606.ENS P0000019 9280	0	0	0	0	0	0	0.504	0.504
TLR7	TNF SF13 B	1857 265	1856 399	9606.E NSP00 000370 034	9606.ENS P0000036 5048	0	0	0	0	0	0	0.504	0.504
ENA M	PDLI M1	1858 362	1855 447	9606.E NSP00 000379 383	9606.ENS P0000036 0305	0	0	0	0	0	0	0.504	0.504

O3F AR1	CD3 6	1855 492	1849 038	9606.E NSP00 000360 538	9606.ENS P0000030 8165	0	0	0	0	0	0	0.504	0.504
TNF AIP3	UHR F1BP 1	1843 455	1842 358	9606.E NSP00 000237 289	9606.ENS P0000019 2788	0	0	0	0	0	0	0.504	0.504
CYP 2B6	KNG 1	1850 664	1845 668	9606.E NSP00 000324 648	9606.ENS P0000026 5023	0	0	0	0	0	0	0.504	0.504
ANG PTL4	C10o rf10	1848 295	1847 947	9606.E NSP00 000301 455	9606.ENS P0000029 8295	0	0	0	0	0	0	0.504	0.504
SPA G5	KIF1 8A	1850 533	1845 299	9606.E NSP00 000323 300	9606.ENS P0000026 3181	0	0	0	0	0.109	0	0.2	0.503
PDE7 B	ALD H8A 1	1849 328	1845 778	9606.E NSP00 000310 661	9606.ENS P0000026 5605	0	0	0	0	0	0	0.503	0.503

IGFB P3	CCN D1	1857 331	1843 117	9606.E NSP00 000370 473	9606.ENS P0000022 7507	0	0	0	0	0	0	0.503	0.503
MAP K4	RHO BTB 3	1858 818	1857 125	9606.E NSP00 000383 234	9606.ENS P0000036 9318	0	0	0	0	0	0.239	0.374	0.503
SLC1 2A3	TRP M6	1860 326	1854 063	9606.E NSP00 000402 152	9606.ENS P0000035 4006	0	0	0	0	0	0	0.503	0.503
ANX A9	SEL ENB P1	1854 926	1854 902	9606.E NSP00 000357 943	9606.ENS P0000035 7861	0	0	0	0	0	0	0.502	0.503
GRB 14	PLE K	1845 434	1843 395	9606.E NSP00 000263 915	9606.ENS P0000023 4313	0	0	0	0	0	0	0.503	0.503
TFA P2B	CD3 6	1858 114	1849 038	9606.E NSP00 000377 265	9606.ENS P0000030 8165	0	0	0	0	0	0	0.503	0.503

MYC	FAS	1856 789	1853 242	9606.E NSP00 000367 207	9606.ENS P0000034 7979	0	0	0	0	0	0	0.503	0.503
FLT1	TIM P1	1846 791	1842 705	9606.E NSP00 000282 397	9606.ENS P0000021 8388	0	0	0	0	0	0	0.503	0.503
TLR3	CCL 5	1847 791	1847 396	9606.E NSP00 000296 795	9606.ENS P0000029 3272	0	0	0	0	0	0	0.503	0.503
APO BEC 3G	CD4	1859 014	1842 167	9606.E NSP00 000385 057	9606.ENS P0000001 1653	0	0	0	0	0	0	0.503	0.503
GAL NT3	ENP P1	1858 036	1854 095	9606.E NSP00 000376 465	9606.ENS P0000035 4238	0	0	0	0	0	0	0.503	0.503
FGF R2	TGF B1	1860 837	1842 869	9606.E NSP00 000410 294	9606.ENS P0000022 1930	0	0	0	0	0	0.089	0.476	0.503

CCN B2	ANL N	1847 117	1845 802	9606.E NSP00 000288 207	9606.ENS P0000026 5748	0	0	0	0	0.239	0	0.373	0.503
ITGA L	AFM	1853 413	1843 087	9606.E NSP00 000349 252	9606.ENS P0000022 6355	0	0	0	0	0	0	0.503	0.503
CD2	CD8 6	1855 033	1851 423	9606.E NSP00 000358 490	9606.ENS P0000033 2049	0	0	0	0	0	0	0.503	0.503
VEG FA	CXC L10	1855 611	1848 754	9606.E NSP00 000361 125	9606.ENS P0000030 5651	0	0	0	0	0	0	0.503	0.503
NUS AP1	DLG AP5	1862 836	1843 859	9606.E NSP00 000453 403	9606.ENS P0000024 7191	0	0	0	0	0.181	0	0.419	0.503
CAS R	ALB	1861 464	1847 637	9606.E NSP00 000420 194	9606.ENS P0000029 5897	0	0	0	0	0	0	0.503	0.503

CDK 18	PRK AR2 B	1861 603	1845 791	9606.E NSP00 000423 665	9606.ENS P0000026 5717	0	0	0	0	0	0.241	0.373	0.503
MAP K4	RAC 2	1858 818	1843 949	9606.E NSP00 000383 234	9606.ENS P0000024 9071	0	0	0	0	0	0.239	0.374	0.503
SLC5 A2	SLC2 A12	1850 973	1846 436	9606.E NSP00 000327 943	9606.ENS P0000027 5230	0	0	0	0	0	0	0.502	0.502
DEF B1	TLR 2	1847 869	1844 747	9606.E NSP00 000297 439	9606.ENS P0000026 0010	0	0	0	0	0	0	0.502	0.502
CAS P1	ALB	1860 827	1847 637	9606.E NSP00 000410 076	9606.ENS P0000029 5897	0	0	0	0	0	0	0.502	0.502
SUS D2	DPE P1	1853 667	1844 950	9606.E NSP00 000351 075	9606.ENS P0000026 1615	0	0	0	0	0	0	0.502	0.502

ITGA X	TGF B1	1846 012	1842 869	9606.E NSP00 000268 296	9606.ENS P0000022 1930	0	0	0	0	0	0	0.502	0.502
ALD OB	ADH 1B	1856 191	1848 863	9606.E NSP00 000363 988	9606.ENS P0000030 6606	0	0	0	0	0.076	0	0.483	0.502
NEC AB1	C1orf 162	1859 271	1852 783	9606.E NSP00 000387 380	9606.ENS P0000034 4218	0	0	0	0	0	0	0.502	0.502
HSF4	SER PINE 1	1845 455	1842 959	9606.E NSP00 000264 009	9606.ENS P0000022 3095	0	0	0	0	0	0	0.502	0.502
ICA M1	CHL 1	1845 628	1844 445	9606.E NSP00 000264 832	9606.ENS P0000025 6509	0	0	0	0	0	0	0.502	0.502
TNN T2	ALB	1854 566	1847 637	9606.E NSP00 000356 286	9606.ENS P0000029 5897	0	0	0	0	0	0	0.502	0.502

CA9	ERB B2	1856 855	1846 101	9606.E NSP00 000367 608	9606.ENS P0000026 9571	0	0	0	0	0	0	0.502	0.502
CXC L11	ICA M1	1848 890	1845 628	9606.E NSP00 000306 884	9606.ENS P0000026 4832	0	0	0	0	0	0	0.502	0.502
CDC A7L	SCD 5	1858 889	1849 862	9606.E NSP00 000383 986	9606.ENS P0000031 6329	0	0	0	0	0	0	0.502	0.502
ITGA X	LYZ	1846 012	1844 877	9606.E NSP00 000268 296	9606.ENS P0000026 1267	0	0	0	0	0	0	0.502	0.502
PLE KHB 1	SELP LG	1853 017	1843 143	9606.E NSP00 000346 127	9606.ENS P0000022 8463	0	0	0	0	0	0	0.502	0.502
TME M207	FER MT1	1853 113	1842 655	9606.E NSP00 000346 981	9606.ENS P0000021 7289	0	0	0	0	0	0	0.502	0.502



ASP M	NCA PG	1854 584	1844 063	9606.E NSP00 000356 379	9606.ENS P0000025 1496	0	0	0	0	0.486	0	0.071	0.502
IGFB P3	VEG FA	1857 331	1855 611	9606.E NSP00 000370 473	9606.ENS P0000036 1125	0	0	0	0	0	0	0.502	0.502
TNF SF13 B	PRD M1	1856 399	1854 949	9606.E NSP00 000365 048	9606.ENS P0000035 8092	0	0	0	0	0	0	0.502	0.502
PTPR C	PRF1	1854 576	1849 900	9606.E NSP00 000356 346	9606.ENS P0000031 6746	0	0	0	0	0	0	0.502	0.502
ERB B2	SER PINE 1	1846 101	1842 959	9606.E NSP00 000269 571	9606.ENS P0000022 3095	0	0	0	0	0	0	0.501	0.501
C1Q A	C3A R1	1856 156	1848 367	9606.E NSP00 000363 773	9606.ENS P0000030 2079	0	0	0	0	0.072	0	0.485	0.501

APO BEC 3G	C3	1859 014	1843 781	9606.E NSP00 000385 057	9606.ENS P0000024 5907	0	0	0	0	0	0	0.501	0.501
ANO 2	B4G ALN T2	1849 678	1848 176	9606.E NSP00 000314 048	9606.ENS P0000030 0404	0	0	0	0	0	0	0.501	0.501
WNK 3	SCN N1G	1853 080	1848 129	9606.E NSP00 000346 667	9606.ENS P0000030 0061	0	0	0	0	0	0	0.501	0.501
TUB B2B	HIST 1H3 B	1844 727	1843 731	9606.E NSP00 000259 818	9606.ENS P0000024 4661	0	0	0	0	0	0.198	0.404	0.501
TLR7	CD4	1857 265	1842 167	9606.E NSP00 000370 034	9606.ENS P0000001 1653	0	0	0	0	0	0	0.501	0.501
ASS1	PEP D	1844 185	1843 701	9606.E NSP00 000253 004	9606.ENS P0000024 4137	0	0	0	0	0	0.501	0	0.501

CAS P1	FAS	1860 827	1853 242	9606.E NSP00 000410 076	9606.ENS P0000034 7979	0	0	0	0	0	0	0.501	0.501
LRR C2	RAS D1	1847 688	1843 042	9606.E NSP00 000296 144	9606.ENS P0000022 5688	0	0	0	0	0	0.149	0.437	0.501
MYC	FHIT	1856 789	1852 550	9606.E NSP00 000367 207	9606.ENS P0000034 2087	0	0	0	0	0	0	0.501	0.501
PPP1 R3B	ALB	1849 055	1847 637	9606.E NSP00 000308 318	9606.ENS P0000029 5897	0	0	0	0	0	0	0.501	0.501
FYB	ITK	1861 668	1860 098	9606.E NSP00 000425 845	9606.ENS P0000039 8655	0	0	0	0	0	0	0.501	0.501
HIST 1H3I	TUB B2B	1851 162	1844 727	9606.E NSP00 000329 554	9606.ENS P0000025 9818	0	0	0	0	0	0.198	0.404	0.501

VEG FA	CD3 6	1855 611	1849 038	9606.E NSP00 000361 125	9606.ENS P0000030 8165	0	0	0	0	0	0	0.501	0.501
SGK 2	HSF4	1852 346	1845 455	9606.E NSP00 000340 608	9606.ENS P0000026 4009	0	0	0	0	0	0.096	0.47	0.501
PTPR C	BTK	1854 576	1849 039	9606.E NSP00 000356 346	9606.ENS P0000030 8176	0	0	0	0	0.091	0.074	0.455	0.501
WNK 3	SCN N1B	1853 080	1852 969	9606.E NSP00 000346 667	9606.ENS P0000034 5751	0	0	0	0	0	0	0.501	0.501
WNK 3	CLD N16	1853 080	1845 612	9606.E NSP00 000346 667	9606.ENS P0000026 4734	0	0	0	0	0	0	0.501	0.501
ITK	PTP RC	1860 098	1854 576	9606.E NSP00 000398 655	9606.ENS P0000035 6346	0	0	0	0	0.091	0.074	0.454	0.5

PTPR C	CCN D1	1854 576	1843 117	9606.E NSP00 000356 346	9606.ENS P0000022 7507	0	0	0	0	0	0	0.5	0.5
CAV 1	SLC9 A2	1852 186	1843 378	9606.E NSP00 000339 191	9606.ENS P0000023 3969	0	0	0	0	0	0	0.5	0.5
CAV 1	SLC9 A4	1852 186	1847 560	9606.E NSP00 000339 191	9606.ENS P0000029 5269	0	0	0	0	0	0	0.5	0.5
CD36	PCK 2	1849 038	1842 620	9606.E NSP00 000308 165	9606.ENS P0000021 6780	0	0	0	0	0	0	0.499	0.499
C10o rf10	PCK 2	1847 947	1842 620	9606.E NSP00 000298 295	9606.ENS P0000021 6780	0	0	0	0	0	0	0.5	0.499
CR2	CXC L13	1854 505	1847 033	9606.E NSP00 000356 024	9606.ENS P0000028 6758	0	0	0	0	0	0	0.5	0.499

ALB	VIM	1847 637	1842 995	9606.E NSP00 000295 897	9606.ENS P0000022 4237	0	0	0	0	0	0	0.5	0.499
CXC L9	CCL 18	1854 250	1842 123	9606.E NSP00 000354 901	9606.ENS P0000000 4921	0	0	0	0	0	0	0.5	0.499
RGC C	MYC	1857 014	1856 789	9606.E NSP00 000368 664	9606.ENS P0000036 7207	0	0	0	0	0	0	0.5	0.499
PLO D2	COL 1A1	1846 823	1843 064	9606.E NSP00 000282 903	9606.ENS P0000022 5964	0	0	0	0	0	0.149	0.436	0.499
CAS R	CYP 27B1	1861 464	1843 152	9606.E NSP00 000420 194	9606.ENS P0000022 8606	0	0	0	0	0	0	0.5	0.499
GGT 6	ACL Y	1863 209	1844 250	9606.E NSP00 000458 307	9606.ENS P0000025 3792	0.065	0	0	0	0	0	0.487	0.499

EGFR	SERPINE1	1846445	1842959	9606.E NSP00 000275 493	9606.ENS P0000022 3095	0	0	0	0	0	0	0.5	0.499
KIF2A	SPAG5	1859005	1850533	9606.E NSP00 000385 000	9606.ENS P0000032 3300	0	0	0	0	0.085	0	0.475	0.499
HRG	AFM	1843307	1843087	9606.E NSP00 000232 003	9606.ENS P0000022 6355	0	0	0	0	0.099	0	0.467	0.499
PGF	VWF	1862737	1844904	9606.E NSP00 000451 040	9606.ENS P0000026 1405	0	0	0	0	0	0	0.5	0.499
SELE	EGF	1851385	1845705	9606.E NSP00 000331 736	9606.ENS P0000026 5171	0	0	0	0	0	0	0.5	0.499
ERBB4	KDR	1852571	1845437	9606.E NSP00 000342 235	9606.ENS P0000026 3923	0	0	0	0.618	0	0.36	0.587	0.499

ALB	IGFB P2	1847 637	1843 367	9606.E NSP00 000295 897	9606.ENS P0000023 3809	0	0	0	0	0	0	0.5	0.499
TNF RSF9	CD8 6	1856 697	1851 423	9606.E NSP00 000366 729	9606.ENS P0000033 2049	0	0	0	0	0	0	0.5	0.499
LYZ	C3	1844 877	1843 781	9606.E NSP00 000261 267	9606.ENS P0000024 5907	0	0	0	0	0	0	0.5	0.499
PDLI M1	SEL E	1855 447	1851 385	9606.E NSP00 000360 305	9606.ENS P0000033 1736	0	0	0	0	0	0	0.5	0.499
DPP6	SLC9 A9	1856 752	1850 225	9606.E NSP00 000367 001	9606.ENS P0000032 0246	0	0	0	0	0	0	0.499	0.499
ENT PD1	CD4	1855 432	1842 167	9606.E NSP00 000360 250	9606.ENS P0000001 1653	0	0	0	0	0	0	0.5	0.499



ITGA 4	CD2 7	1858 446	1845 882	9606.E NSP00 000380 227	9606.ENS P0000026 6557	0	0	0	0	0	0	0.5	0.499
CDH 2	EPC AM	1846 066	1845 405	9606.E NSP00 000269 141	9606.ENS P0000026 3735	0	0	0	0	0	0	0.5	0.499
ENT PD1	ICA M1	1855 432	1845 628	9606.E NSP00 000360 250	9606.ENS P0000026 4832	0	0	0	0	0	0	0.5	0.499
IRF6	ALB	1854 497	1847 637	9606.E NSP00 000355 988	9606.ENS P0000029 5897	0	0	0	0	0	0	0.5	0.499
CAS R	BSN D	1861 464	1855 449	9606.E NSP00 000420 194	9606.ENS P0000036 0312	0	0	0	0	0	0	0.5	0.499
POS TN	VCA N	1857 088	1845 684	9606.E NSP00 000369 071	9606.ENS P0000026 5077	0	0	0	0	0	0	0.5	0.499

O3F AR1	SUC NR1	1855 492	1854 311	9606.E NSP00 000360 538	9606.ENS P0000035 5156	0	0	0	0	0	0	0.499	0.499
TOP2 A	SLC2 A3	1860 923	1842 244	9606.E NSP00 000411 532	9606.ENS P0000007 5120	0	0	0	0	0	0	0.499	0.499
NDU FA4L 2	TME M52 B	1858 132	1847 967	9606.E NSP00 000377 411	9606.ENS P0000029 8530	0	0	0	0	0	0	0.5	0.499
CA8	ALB	1849 702	1847 637	9606.E NSP00 000314 407	9606.ENS P0000029 5897	0	0	0	0	0	0	0.5	0.499
TGF B1	HMO X1	1842 869	1842 546	9606.E NSP00 000221 930	9606.ENS P0000021 6117	0	0	0	0	0	0	0.5	0.499
ACT G2	ENO 2	1847 542	1843 192	9606.E NSP00 000295 137	9606.ENS P0000022 9277	0	0	0	0	0.078	0.149	0.413	0.499

ITGA 4	FAS	1858 446	1853 242	9606.E NSP00 000380 227	9606.ENS P0000034 7979	0	0	0	0	0	0	0.5	0.499
SCD	ALB	1855 232	1847 637	9606.E NSP00 000359 380	9606.ENS P0000029 5897	0	0	0	0	0	0	0.5	0.499
SLC2 6A7	SLC9 A4	1849 184	1847 560	9606.E NSP00 000309 504	9606.ENS P0000029 5269	0	0	0	0	0	0	0.498	0.498
GJC1	GJA1	1851 556	1846 806	9606.E NSP00 000333 193	9606.ENS P0000028 2561	0	0	0	0.855	0	0.149	0.811	0.498
CYP 2B6	ATP 12A	1850 664	1842 709	9606.E NSP00 000324 648	9606.ENS P0000021 8548	0	0	0	0	0	0	0.498	0.498
CDK 1	CKA P2	1858 283	1856 801	9606.E NSP00 000378 699	9606.ENS P0000036 7276	0	0	0	0	0.438	0	0.144	0.498

BMP 7	WT1	1858 342	1851 331	9606.E NSP00 000379 204	9606.ENS P0000033 1327	0	0	0	0	0	0	0.498	0.498
PBK	MEL K	1848 348	1847 923	9606.E NSP00 000301 905	9606.ENS P0000029 8048	0	0	0	0	0.168	0	0.422	0.498
ITK	TLR 7	1860 098	1857 265	9606.E NSP00 000398 655	9606.ENS P0000037 0034	0	0	0	0	0	0.1	0.466	0.498
CLC NKB	ATP 6V0 A4	1856 357	1844 258	9606.E NSP00 000364 831	9606.ENS P0000025 3856	0	0	0	0	0	0	0.498	0.498
PRK AR2 B	RAS D1	1845 791	1843 042	9606.E NSP00 000265 717	9606.ENS P0000022 5688	0	0	0	0	0	0.233	0.371	0.497
TNN T2	RRM 2	1854 566	1854 033	9606.E NSP00 000356 286	9606.ENS P0000035 3770	0	0	0	0	0	0	0.497	0.497

ANL N	KIF2 0B	1845 802	1844 820	9606.E NSP00 000265 748	9606.ENS P0000026 0753	0	0	0	0	0.263	0	0.345	0.497
CEN PF	CCN B2	1854 480	1847 117	9606.E NSP00 000355 922	9606.ENS P0000028 8207	0	0	0	0	0.109	0	0.459	0.497
KN G 1	SLC1 4A2	1845 668	1844 366	9606.E NSP00 000265 023	9606.ENS P0000025 5226	0	0	0	0	0	0	0.498	0.497
TOP2 A	SLC2 2A12	1860 923	1856 708	9606.E NSP00 000411 532	9606.ENS P0000036 6797	0	0	0	0	0	0	0.497	0.497
CDK 1	CEN PF	1858 283	1854 480	9606.E NSP00 000378 699	9606.ENS P0000035 5922	0	0	0	0	0.086	0	0.472	0.496
HPD	OXC T1	1847 151	1842 370	9606.E NSP00 000289 004	9606.ENS P0000019 6371	0	0	0	0	0.096	0.361	0.198	0.496

PRK AR2 B	RAS L11B	1845 791	1843 927	9606.E NSP00 000265 717	9606.ENS P0000024 8706	0	0	0	0	0	0.233	0.37	0.496
PDLI M1	RAC 2	1855 447	1843 949	9606.E NSP00 000360 305	9606.ENS P0000024 9071	0	0	0	0	0	0.243	0.362	0.496
EZH 2	TGF B1	1850 211	1842 869	9606.E NSP00 000320 147	9606.ENS P0000022 1930	0	0	0	0	0	0.341	0.266	0.496
DIR AS2	PRK AR2 B	1856 374	1845 791	9606.E NSP00 000364 919	9606.ENS P0000026 5717	0	0	0	0	0	0.233	0.37	0.496
PFKP	EGF R	1857 335	1846 445	9606.E NSP00 000370 517	9606.ENS P0000027 5493	0	0	0	0	0	0.465	0.097	0.496
ATA D2	WDR 76	1847 066	1845 415	9606.E NSP00 000287 394	9606.ENS P0000026 3795	0	0	0	0	0	0.36	0.245	0.496

DCX R	SLC2 5A4	1848 521	1846 728	9606.E NSP00 000303 356	9606.ENS P0000028 1456	0	0	0	0	0	0	0.496	0.496
PRK AR2 B	RER GL	1845 791	1843 177	9606.E NSP00 000265 717	9606.ENS P0000022 9002	0	0	0	0	0	0.233	0.37	0.496
RAC 2	PLE K	1843 949	1843 395	9606.E NSP00 000249 071	9606.ENS P0000023 4313	0	0	0	0	0.072	0	0.48	0.496
GBP 2	ASS1	1855 261	1844 185	9606.E NSP00 000359 497	9606.ENS P0000025 3004	0	0	0	0	0	0.495	0	0.495
CYP 17A1	WT1	1855 129	1851 331	9606.E NSP00 000358 903	9606.ENS P0000033 1327	0	0	0	0	0	0	0.495	0.495
SLC1 3A2	ENP P6	1859 644	1847 782	9606.E NSP00 000392 411	9606.ENS P0000029 6741	0	0	0	0	0	0	0.496	0.495

PLX NB1	NTR K2	1847 728	1846 523	9606.E NSP00 000296 440	9606.ENS P0000027 7120	0	0	0	0	0	0	0.494	0.495
FAM 101B	FHO D3	1851 411	1844 493	9606.E NSP00 000331 915	9606.ENS P0000025 7209	0	0	0	0	0	0	0.496	0.495
LDH D	PEP D	1848 124	1843 701	9606.E NSP00 000300 051	9606.ENS P0000024 4137	0	0	0	0	0	0	0.496	0.495
CCN E2	CCN B2	1849 155	1847 117	9606.E NSP00 000309 181	9606.ENS P0000028 8207	0	0	0	0.675	0.258	0.147	0.737	0.495
SDS	ASS1	1844 513	1844 185	9606.E NSP00 000257 549	9606.ENS P0000025 3004	0	0	0	0	0.175	0	0.413	0.495
G6P C	PYG L	1844 254	1842 591	9606.E NSP00 000253 801	9606.ENS P0000021 6392	0	0	0	0	0	0	0.495	0.495



SERP INE1	HMO X1	1842 959	1842 546	9606.E NSP00 000223 095	9606.ENS P0000021 6117	0	0	0	0	0.071	0	0.479	0.495
ITGA 4	ITG AX	1858 446	1846 012	9606.E NSP00 000380 227	9606.ENS P0000026 8296	0	0	0	0.66	0	0	0.636	0.495
SOR T1	SYT 10	1844 454	1843 151	9606.E NSP00 000256 637	9606.ENS P0000022 8567	0	0	0	0	0	0	0.495	0.495
LRR C2	DCN	1847 688	1842 218	9606.E NSP00 000296 144	9606.ENS P0000005 2754	0	0	0.495	0	0	0	0	0.495
CD86	CXC L10	1851 423	1848 754	9606.E NSP00 000332 049	9606.ENS P0000030 5651	0	0	0	0	0.07	0	0.48	0.495
SLC3 4A1	SCN N1G	1850 348	1848 129	9606.E NSP00 000321 424	9606.ENS P0000030 0061	0	0	0	0	0	0	0.496	0.495

CLC N5	ENP P1	1856 432	1854 095	9606.E NSP00 000365 256	9606.ENS P0000035 4238	0	0	0	0	0	0	0.495	0.495
TOP2 A	SLC4 7A2	1860 923	1850 858	9606.E NSP00 000411 532	9606.ENS P0000032 6671	0	0	0	0	0	0	0.496	0.495
PRK AR2 B	PPP1 R1A	1845 791	1844 552	9606.E NSP00 000265 717	9606.ENS P0000025 7905	0	0	0	0	0	0	0.495	0.495
PCC B	GLD C	1861 392	1857 365	9606.E NSP00 000419 027	9606.ENS P0000037 0737	0	0	0	0	0	0	0.496	0.495
FER1 L6	EHD 2	1858 680	1845 326	9606.E NSP00 000381 982	9606.ENS P0000026 3277	0	0	0	0	0	0.1	0.46	0.494
KCN E4	KCN J2	1846 747	1843 671	9606.E NSP00 000281 830	9606.ENS P0000024 3457	0	0	0	0	0	0	0.494	0.494

ENT PD1	ENP P3	1855 432	1853 565	9606.E NSP00 000360 250	9606.ENS P0000035 0265	0	0	0	0	0	0	0.494	0.494
WNK 4	AQP 2	1843 844	1842 380	9606.E NSP00 000246 914	9606.ENS P0000019 9280	0	0	0	0	0	0	0.494	0.494
TMP RSS4	SCN N1A	1861 198	1853 964	9606.E NSP00 000416 037	9606.ENS P0000035 3292	0	0	0	0	0	0	0.493	0.494
EMX 2	WT1	1854 975	1851 331	9606.E NSP00 000358 202	9606.ENS P0000033 1327	0	0	0	0	0	0	0.492	0.493
MYO 3A	RAC 2	1845 826	1843 949	9606.E NSP00 000265 944	9606.ENS P0000024 9071	0	0	0	0	0	0.23	0.369	0.493
CD16 3	APO L1	1853 796	1849 976	9606.E NSP00 000352 071	9606.ENS P0000031 7674	0	0	0	0	0	0	0.493	0.493

TOP2 A	SLC2 A5	1860 923	1856 683	9606.E NSP00 000411 532	9606.ENS P0000036 6641	0	0	0	0	0	0	0.493	0.493
MAP K10	CDH 2	1853 804	1846 066	9606.E NSP00 000352 157	9606.ENS P0000026 9141	0	0	0	0	0	0	0.493	0.493
CAS Z1	PIK3 CG	1856 591	1853 801	9606.E NSP00 000366 221	9606.ENS P0000035 2121	0	0	0	0	0	0	0.493	0.493
MYO 3B	RHO H	1859 134	1857 435	9606.E NSP00 000386 213	9606.ENS P0000037 1219	0	0	0	0	0	0.23	0.369	0.493
MYO 3B	RHO BTB 3	1859 134	1857 125	9606.E NSP00 000386 213	9606.ENS P0000036 9318	0	0	0	0	0	0.23	0.369	0.493
TOP2 A	SLC1 6A5	1860 923	1851 220	9606.E NSP00 000411 532	9606.ENS P0000033 0141	0	0	0	0	0	0	0.493	0.493

HAO 2	LDH D	1849 865	1848 124	9606.E NSP00 000316 339	9606.ENS P0000030 0051	0.079	0	0	0	0.094	0	0.442	0.493
TOP2 A	SLC2 A14	1860 923	1858 405	9606.E NSP00 000411 532	9606.ENS P0000037 9834	0	0	0	0	0	0	0.493	0.493
APO L1	MYH 10	1849 976	1846 079	9606.E NSP00 000317 674	9606.ENS P0000026 9243	0	0	0	0	0	0	0.493	0.493
TOP2 A	SLC2 2A6	1860 923	1856 766	9606.E NSP00 000411 532	9606.ENS P0000036 7102	0	0	0	0	0	0	0.493	0.493
RHO BTB 3	MYO 3A	1857 125	1845 826	9606.E NSP00 000369 318	9606.ENS P0000026 5944	0	0	0	0	0	0.23	0.369	0.493
TOP2 A	SLC2 2A8	1860 923	1851 983	9606.E NSP00 000411 532	9606.ENS P0000033 7335	0	0	0	0	0	0	0.493	0.493

RHO H	MYO 3A	1857 435	1845 826	9606.E NSP00 000371 219	9606.ENS P0000026 5944	0	0	0	0	0	0.23	0.369	0.493
MYO 3B	RAC 2	1859 134	1843 949	9606.E NSP00 000386 213	9606.ENS P0000024 9071	0	0	0	0	0	0.23	0.369	0.493
TOP2 A	SLC2 2A7	1860 923	1855 714	9606.E NSP00 000411 532	9606.ENS P0000036 1666	0	0	0	0	0	0	0.493	0.493
CEP5 5	CEN PF	1855 493	1854 480	9606.E NSP00 000360 540	9606.ENS P0000035 5922	0	0	0	0	0.111	0	0.454	0.493
PTPR C	MET	1854 576	1849 944	9606.E NSP00 000356 346	9606.ENS P0000031 7272	0	0	0	0	0.072	0.074	0.458	0.493
TRP V6	CLD N16	1853 837	1845 612	9606.E NSP00 000352 358	9606.ENS P0000026 4734	0	0	0	0	0	0	0.492	0.492

GUL P1	SLC5 A2	1853 794	1850 973	9606.E NSP00 000352 047	9606.ENS P0000032 7943	0	0	0	0	0	0	0.492	0.492
TOP2 A	KIA A010 1	1860 923	1848 123	9606.E NSP00 000411 532	9606.ENS P0000030 0035	0	0	0	0	0.398	0	0.191	0.492
KIT	ABC B1	1847 112	1845 794	9606.E NSP00 000288 135	9606.ENS P0000026 5724	0	0	0	0	0	0.075	0.473	0.492
TUB B2B	RAC 2	1844 727	1843 949	9606.E NSP00 000259 818	9606.ENS P0000024 9071	0	0	0	0	0	0.11	0.453	0.492
PIK3 CG	BIRC 3	1853 801	1845 359	9606.E NSP00 000352 121	9606.ENS P0000026 3464	0	0	0	0	0	0	0.492	0.492
SLC2 3A1	SLC2 A12	1848 461	1846 436	9606.E NSP00 000302 851	9606.ENS P0000027 5230	0	0	0	0	0	0	0.491	0.491

ADH 1B	ALD OC	1848 863	1843 081	9606.E NSP00 000306 606	9606.ENS P0000022 6253	0	0	0	0	0.076	0	0.472	0.491
BUB 1	DLG AP5	1848 415	1843 859	9606.E NSP00 000302 530	9606.ENS P0000024 7191	0	0	0	0	0.157	0	0.421	0.491
ERO 1L	PAP PA2	1858 318	1854 644	9606.E NSP00 000379 042	9606.ENS P0000035 6634	0	0	0	0	0	0	0.49	0.49
CD2	FAS	1855 033	1853 242	9606.E NSP00 000358 490	9606.ENS P0000034 7979	0	0	0	0	0	0	0.49	0.49
EGF R	RAS D1	1846 445	1843 042	9606.E NSP00 000275 493	9606.ENS P0000022 5688	0	0	0	0	0	0.232	0.364	0.49
SCN N1G	HSP A2	1848 129	1843 861	9606.E NSP00 000300 061	9606.ENS P0000024 7207	0	0	0	0	0	0	0.489	0.489



MAP K10	NOS 1	1853 804	1852 004	9606.E NSP00 000352 157	9606.ENS P0000033 7459	0	0	0	0	0	0	0.489	0.489
PIGR	ACP P	1853 366	1850 504	9606.E NSP00 000348 888	9606.ENS P0000032 3036	0	0	0	0	0	0	0.489	0.489
VEP H1	PLE K	1854 255	1843 395	9606.E NSP00 000354 919	9606.ENS P0000023 4313	0	0	0	0	0	0	0.489	0.489
SH3 GL2	LCP1	1857 254	1849 816	9606.E NSP00 000369 981	9606.ENS P0000031 5757	0	0	0	0	0	0	0.49	0.489
SLC9 A3	AQP 9	1845 649	1842 775	9606.E NSP00 000264 938	9606.ENS P0000021 9919	0	0	0	0	0.073	0	0.472	0.489
ICA M1	BIRC 3	1845 628	1845 359	9606.E NSP00 000264 832	9606.ENS P0000026 3464	0	0	0	0	0.077	0	0.47	0.489

KIF2 A	TUB B2B	1859 005	1844 727	9606.E NSP00 000385 000	9606.ENS P0000025 9818	0	0	0	0	0	0.191	0.394	0.489
ACO X2	ACS F2	1848 984	1848 182	9606.E NSP00 000307 697	9606.ENS P0000030 0441	0.277	0	0	0	0.072	0	0.3	0.489
FCA MR	FCE R1G	1849 875	1847 193	9606.E NSP00 000316 491	9606.ENS P0000028 9902	0	0	0	0	0	0	0.489	0.489
TRP V6	LGA LS1	1853 837	1842 521	9606.E NSP00 000352 358	9606.ENS P0000021 5909	0	0	0	0	0	0	0.489	0.489
SLC7 A11	HMO X1	1846 679	1842 546	9606.E NSP00 000280 612	9606.ENS P0000021 6117	0	0	0	0	0	0	0.489	0.489
NSU N7	MPP 7	1857 433	1852 051	9606.E NSP00 000371 201	9606.ENS P0000033 7907	0.462	0	0	0	0	0	0.09	0.489

TOP2 A	DCL K1	1860 923	1844 379	9606.E NSP00 000411 532	9606.ENS P0000025 5448	0	0	0	0	0.112	0.414	0.097	0.489
HK2	CKM T2	1847 242	1844 264	9606.E NSP00 000290 573	9606.ENS P0000025 4035	0	0	0	0	0.072	0	0.472	0.489
RAB 25	PIGR	1854 111	1853 366	9606.E NSP00 000354 376	9606.ENS P0000034 8888	0	0	0	0	0	0	0.489	0.489
PTP N13	PAC RG	1859 831	1852 054	9606.E NSP00 000394 794	9606.ENS P0000033 7946	0	0	0	0	0	0	0.489	0.489
CLC NKB	NR3 C2	1856 357	1852 455	9606.E NSP00 000364 831	9606.ENS P0000034 1390	0	0	0	0	0	0	0.488	0.488
HAD H	INPP 5D	1859 056	1853 868	9606.E NSP00 000385 638	9606.ENS P0000035 2575	0	0	0	0	0	0	0.488	0.488

KLH L3	ACT G2	1849 529	1847 542	9606.E NSP00 000312 397	9606.ENS P0000029 5137	0	0	0	0	0	0	0.488	0.488
PLK1	TUB B2B	1848 135	1844 727	9606.E NSP00 000300 093	9606.ENS P0000025 9818	0	0	0	0	0	0.238	0.356	0.488
NED D4L	WN K3	1858 810	1853 080	9606.E NSP00 000383 199	9606.ENS P0000034 6667	0	0	0	0	0	0	0.488	0.488
GAT A3	CYB B	1857 010	1856 898	9606.E NSP00 000368 632	9606.ENS P0000036 7851	0	0	0	0	0	0	0.487	0.487
EYA 4	LAM A4	1853 153	1843 256	9606.E NSP00 000347 294	9606.ENS P0000023 0538	0	0	0	0	0	0	0.488	0.487
ITGB 2	CD5 3	1848 511	1846 188	9606.E NSP00 000303 242	9606.ENS P0000027 1324	0	0	0	0	0.288	0	0.31	0.487

FLT1	CCN D1	1846 791	1843 117	9606.E NSP00 000282 397	9606.ENS P0000022 7507	0	0	0	0	0	0	0.487	0.487
MYH 10	COR O1A	1846 079	1842 723	9606.E NSP00 000269 243	9606.ENS P0000021 9150	0	0	0	0	0.304	0.152	0.201	0.487
ATP6 V1B1	AQP 2	1843 400	1842 380	9606.E NSP00 000234 396	9606.ENS P0000019 9280	0	0	0	0	0	0	0.487	0.487
RHO BTB 3	LIX1	1857 125	1846 382	9606.E NSP00 000369 318	9606.ENS P0000027 4382	0	0	0	0	0	0	0.488	0.487
CAS P1	MMP 9	1860 827	1855 661	9606.E NSP00 000410 076	9606.ENS P0000036 1405	0	0	0	0	0	0	0.487	0.487
SPTB N2	MYH 10	1849 428	1846 079	9606.E NSP00 000311 489	9606.ENS P0000026 9243	0	0	0	0	0.074	0.194	0.369	0.487

KIT	PLL	1847 112	1842 730	9606.E NSP00 000288 135	9606.ENS P0000021 9207	0	0	0	0	0	0	0.488	0.487
SLC1 3A2	SLC1 A4	1859 644	1843 391	9606.E NSP00 000392 411	9606.ENS P0000023 4256	0	0	0	0	0	0	0.487	0.487
RHO BTB 3	CYFI P2	1857 125	1850 773	9606.E NSP00 000369 318	9606.ENS P0000032 5817	0	0	0	0	0	0.17	0.408	0.487
KCN J10	TRP V6	1854 726	1853 837	9606.E NSP00 000357 068	9606.ENS P0000035 2358	0	0	0	0	0	0	0.487	0.487
TFA P2A	GCM 1	1857 061	1844 724	9606.E NSP00 000368 924	9606.ENS P0000025 9803	0	0	0	0	0	0	0.488	0.487
SERP INA5	PLG	1851 559	1849 130	9606.E NSP00 000333 203	9606.ENS P0000030 8938	0.083	0	0	0	0.115	0	0.418	0.486

SCD	AGP AT9	1855 232	1845 541	9606.E NSP00 000359 380	9606.ENS P0000026 4409	0	0	0	0	0.068	0.111	0.429	0.486
GPH N	GAB ARA PL1	1861 331	1845 870	9606.E NSP00 000417 901	9606.ENS P0000026 6458	0	0	0	0	0	0	0.485	0.486
PLK2	TUB B2B	1846 372	1844 727	9606.E NSP00 000274 289	9606.ENS P0000025 9818	0	0	0	0	0	0.238	0.354	0.486
SLC2 2A12	SLC2 6A4	1856 708	1845 790	9606.E NSP00 000366 797	9606.ENS P0000026 5715	0	0	0	0	0	0	0.486	0.486
PBX 1	HOM ER1	1860 561	1851 715	9606.E NSP00 000405 890	9606.ENS P0000033 4382	0	0	0	0	0	0	0.486	0.485
HK2	SLC2 A12	1847 242	1846 436	9606.E NSP00 000290 573	9606.ENS P0000027 5230	0	0	0	0	0	0.081	0.463	0.485

HOM ER1	HOX B5	1851 715	1843 513	9606.E NSP00 000334 382	9606.ENS P0000023 9151	0	0	0	0	0	0	0.486	0.485
PKH D1	FAS	1855 407	1853 242	9606.E NSP00 000360 158	9606.ENS P0000034 7979	0	0	0	0	0	0	0.486	0.485
GPD 1L	ADH 1A	1846 804	1842 451	9606.E NSP00 000282 541	9606.ENS P0000020 9668	0	0	0	0	0	0	0.486	0.485
FRA S1	FAP	1845 638	1842 354	9606.E NSP00 000264 895	9606.ENS P0000018 8790	0	0	0	0	0	0	0.486	0.485
FER MT3	PLE K	1846 622	1843 395	9606.E NSP00 000279 227	9606.ENS P0000023 4313	0	0	0	0	0	0	0.486	0.485
KIF2 A	CEP1 70	1859 005	1854 392	9606.E NSP00 000385 000	9606.ENS P0000035 5500	0	0	0	0	0	0	0.485	0.485



CKM T2	PYG L	1844 264	1842 591	9606.E NSP00 000254 035	9606.ENS P0000021 6392	0	0	0	0	0.097	0.149	0.384	0.485
SLC3 6A2	SLC5 A2	1851 696	1850 973	9606.E NSP00 000334 223	9606.ENS P0000032 7943	0	0	0	0	0	0	0.486	0.485
TOP2 A	IYD	1860 923	1843 209	9606.E NSP00 000411 532	9606.ENS P0000022 9447	0	0	0	0	0	0	0.486	0.485
C1orf 210	LRR C19	1861 791	1857 142	9606.E NSP00 000429 399	9606.ENS P0000036 9395	0	0	0	0	0	0	0.486	0.485
CDK 18	KIF1 1	1861 603	1844 817	9606.E NSP00 000423 665	9606.ENS P0000026 0731	0	0	0	0	0.115	0.149	0.372	0.485
NOS 1	ACL Y	1852 004	1844 250	9606.E NSP00 000337 459	9606.ENS P0000025 3792	0	0	0	0	0	0	0.486	0.485

SLA	RIM BP2	1859 768	1844 959	9606.E NSP00 000394 049	9606.ENS P0000026 1655	0	0	0	0	0	0	0.486	0.485
ADH 6	GPD IL	1858 245	1846 804	9606.E NSP00 000378 359	9606.ENS P0000028 2541	0	0	0	0	0	0	0.486	0.485
KCN J10	NNM T	1854 726	1848 116	9606.E NSP00 000357 068	9606.ENS P0000029 9964	0	0	0	0	0	0	0.485	0.485
RAS A3	RAP IGA P	1851 795	1847 204	9606.E NSP00 000335 029	9606.ENS P0000029 0101	0	0	0	0	0	0	0.485	0.485
DPP6	FRA S1	1856 752	1845 638	9606.E NSP00 000367 001	9606.ENS P0000026 4895	0	0	0	0	0	0	0.486	0.485
TLR2	CYP 24A1	1844 747	1842 627	9606.E NSP00 000260 010	9606.ENS P0000021 6862	0	0	0	0	0	0	0.486	0.485

IGSF 6	ITG AX	1846 016	1846 012	9606.E NSP00 000268 389	9606.ENS P0000026 8296	0	0	0	0	0	0	0.485	0.485
RHO H	FAS	1857 435	1853 242	9606.E NSP00 000371 219	9606.ENS P0000034 7979	0	0	0	0	0	0	0.486	0.485
HOM ER1	HOX A2	1851 715	1842 936	9606.E NSP00 000334 382	9606.ENS P0000022 2718	0	0	0	0	0	0	0.486	0.485
ADH 6	HK2	1858 245	1847 242	9606.E NSP00 000378 359	9606.ENS P0000029 0573	0	0	0	0	0	0	0.484	0.484
SLC5 A2	SLC2 A3	1850 973	1842 244	9606.E NSP00 000327 943	9606.ENS P0000007 5120	0	0	0	0	0	0	0.484	0.484
LCP1	PFN2	1849 816	1843 544	9606.E NSP00 000315 757	9606.ENS P0000023 9940	0	0	0	0	0.071	0.091	0.439	0.484

G6P C	PCK 2	1844 254	1842 620	9606.E NSP00 000253 801	9606.ENS P0000021 6780	0	0	0	0	0.099	0	0.451	0.484
SLC1 5A2	SLC1 3A3	1861 264	1846 611	9606.E NSP00 000417 085	9606.ENS P0000027 9027	0	0	0	0	0	0	0.483	0.483
GLD C	ALD H8A 1	1857 365	1845 778	9606.E NSP00 000370 737	9606.ENS P0000026 5605	0	0	0	0	0	0.167	0.405	0.483
PLC L1	HPC AL1	1860 372	1849 342	9606.E NSP00 000402 861	9606.ENS P0000031 0749	0	0	0	0	0	0	0.483	0.483
ACT G2	HSP A2	1847 542	1843 861	9606.E NSP00 000295 137	9606.ENS P0000024 7207	0	0	0	0	0	0	0.484	0.483
SGK 2	NOS 1	1852 346	1852 004	9606.E NSP00 000340 608	9606.ENS P0000033 7459	0	0	0	0	0	0	0.483	0.483

FMN 2	SLC2 5A4	1850 090	1846 728	9606.E NSP00 000318 884	9606.ENS P0000028 1456	0	0	0	0	0	0	0.483	0.483
PLC D4	HPC AL1	1859 361	1849 342	9606.E NSP00 000388 631	9606.ENS P0000031 0749	0	0	0	0	0	0	0.483	0.483
GCN T4	HS6S T1	1849 926	1844 677	9606.E NSP00 000317 027	9606.ENS P0000025 9241	0	0	0	0	0	0	0.483	0.483
FOX M1	BUB 1B	1852 579	1847 075	9606.E NSP00 000342 307	9606.ENS P0000028 7598	0	0	0	0	0.112	0.097	0.407	0.483
CXor f36	ARH GAP 42	1858 554	1847 994	9606.E NSP00 000381 086	9606.ENS P0000029 8815	0	0	0	0	0	0	0.483	0.483
PTPR C	SEL E	1854 576	1851 385	9606.E NSP00 000356 346	9606.ENS P0000033 1736	0	0	0	0	0	0	0.483	0.483

SLC9 A9	ABC C3	1850 225	1846 952	9606.E NSP00 000320 246	9606.ENS P0000028 5238	0	0	0	0	0	0	0.482	0.482
KIF2 0A	TTK	1858 244	1855 108	9606.E NSP00 000378 356	9606.ENS P0000035 8813	0	0	0	0	0.157	0.163	0.326	0.482
ITGA L	CD3 6	1853 413	1849 038	9606.E NSP00 000349 252	9606.ENS P0000030 8165	0	0	0	0	0	0	0.482	0.482
GBP 2	PEP D	1855 261	1843 701	9606.E NSP00 000359 497	9606.ENS P0000024 4137	0	0	0	0	0	0.482	0	0.482
NPH S2	CDH 3	1854 633	1845 457	9606.E NSP00 000356 587	9606.ENS P0000026 4012	0	0	0	0	0	0	0.482	0.482
GAL 3ST1	FUT 3	1852 673	1848 747	9606.E NSP00 000343 234	9606.ENS P0000030 5603	0	0	0	0	0	0	0.482	0.482

GAT A3	WT1	1857 010	1851 331	9606.E NSP00 000368 632	9606.ENS P0000033 1327	0	0	0	0	0	0.102	0.447	0.482
CDK 1	ESC O2	1858 283	1848 903	9606.E NSP00 000378 699	9606.ENS P0000030 6999	0	0	0	0	0.182	0.313	0.153	0.482
ADH FE1	ALD H4A 1	1858 409	1847 245	9606.E NSP00 000379 865	9606.ENS P0000029 0597	0.273	0	0	0	0	0	0.317	0.482
FGF9	PTP RC	1857 512	1854 576	9606.E NSP00 000371 790	9606.ENS P0000035 6346	0	0	0	0	0	0	0.482	0.482
TOP2 A	SLC1 A4	1860 923	1843 391	9606.E NSP00 000411 532	9606.ENS P0000023 4256	0	0	0	0	0	0	0.482	0.482
CCN B2	NDC 80	1847 117	1844 946	9606.E NSP00 000288 207	9606.ENS P0000026 1597	0	0	0	0	0.288	0	0.303	0.482

TOP2 A	SLC1 A3	1860 923	1845 695	9606.E NSP00 000411 532	9606.ENS P0000026 5113	0	0	0	0	0	0	0.482	0.482
CXC L13	DOC K2	1847 033	1844 476	9606.E NSP00 000286 758	9606.ENS P0000025 6935	0	0	0	0	0	0	0.482	0.482
CAL B1	PVA LB	1845 750	1842 563	9606.E NSP00 000265 431	9606.ENS P0000021 6200	0	0	0	0	0	0	0.482	0.482
ENP P3	ALD H8A 1	1853 565	1845 778	9606.E NSP00 000350 265	9606.ENS P0000026 5605	0	0	0	0	0	0	0.481	0.481
PTPR C	IKZF 1	1854 576	1851 367	9606.E NSP00 000356 346	9606.ENS P0000033 1614	0	0	0	0	0.092	0	0.451	0.481
TBX AS1	TGM 2	1859 424	1854 355	9606.E NSP00 000389 414	9606.ENS P0000035 5330	0	0	0	0	0	0	0.481	0.481



PTPR C	PTP RD	1854 576	1853 352	9606.E NSP00 000356 346	9606.ENS P0000034 8812	0	0	0	0.715	0.066	0.362	0.599	0.481
TME M2	ABA T	1856 598	1846 008	9606.E NSP00 000366 243	9606.ENS P0000026 8251	0	0	0	0	0	0	0.481	0.481
CXC R4	KIT	1859 216	1847 112	9606.E NSP00 000386 884	9606.ENS P0000028 8135	0	0	0	0	0	0	0.481	0.481
MMP 9	FGF1	1855 661	1852 115	9606.E NSP00 000361 405	9606.ENS P0000033 8548	0	0	0	0	0	0	0.481	0.481
CD53	TYR OBP	1846 188	1845 185	9606.E NSP00 000271 324	9606.ENS P0000026 2629	0	0	0	0	0.28	0	0.309	0.481
GLD C	PHG DH	1857 365	1855 016	9606.E NSP00 000370 737	9606.ENS P0000035 8417	0	0	0	0	0.085	0	0.456	0.481

TOP2 A	AQP 9	1860 923	1842 775	9606.E NSP00 000411 532	9606.ENS P0000021 9919	0	0	0	0	0	0	0.481	0.481
LOX	DCN	1843 271	1842 218	9606.E NSP00 000231 004	9606.ENS P0000005 2754	0	0	0	0	0	0	0.48	0.48
PRO M1	CDH 2	1861 160	1846 066	9606.E NSP00 000415 481	9606.ENS P0000026 9141	0	0	0	0	0	0	0.48	0.48
PRL R	EGF R	1857 467	1846 445	9606.E NSP00 000371 432	9606.ENS P0000027 5493	0	0	0	0	0	0	0.48	0.48
KCN J15	CLD N8	1851 380	1847 039	9606.E NSP00 000331 698	9606.ENS P0000028 6809	0	0	0	0	0	0	0.48	0.48
IGFB P3	PAP PA	1857 331	1851 275	9606.E NSP00 000370 473	9606.ENS P0000033 0658	0	0	0	0	0	0	0.48	0.48

ALB	NCK 1	1847 637	1847 149	9606.E NSP00 000295 897	9606.ENS P0000028 8986	0	0	0	0	0	0	0.48	0.48
VEG FA	ERB B4	1855 611	1852 571	9606.E NSP00 000361 125	9606.ENS P0000034 2235	0	0	0	0	0	0	0.48	0.48
VEG FA	EIF4 EBP1	1855 611	1852 358	9606.E NSP00 000361 125	9606.ENS P0000034 0691	0	0	0	0	0	0	0.48	0.48
SCD	PLIN 2	1855 232	1846 518	9606.E NSP00 000359 380	9606.ENS P0000027 6914	0	0	0	0	0	0	0.48	0.48
KIT	CDH 2	1847 112	1846 066	9606.E NSP00 000288 135	9606.ENS P0000026 9141	0	0	0	0	0	0	0.48	0.48
FUT3	PXD N	1848 747	1844 162	9606.E NSP00 000305 603	9606.ENS P0000025 2804	0	0	0	0	0	0	0.48	0.48

PRC1	DLG AP5	1858 173	1843 859	9606.E NSP00 000377 793	9606.ENS P0000024 7191	0	0	0	0	0.225	0	0.357	0.48
ANG PT2	TIM P1	1849 738	1842 705	9606.E NSP00 000314 897	9606.ENS P0000021 8388	0	0	0	0	0	0	0.48	0.48
ALO X5	ALB	1856 107	1847 637	9606.E NSP00 000363 512	9606.ENS P0000029 5897	0	0	0	0	0	0	0.48	0.48
P2R Y8	IKZFF 1	1857 359	1851 367	9606.E NSP00 000370 697	9606.ENS P0000033 1614	0	0	0	0	0	0	0.48	0.48
CCN A2	TUB B2B	1846 354	1844 727	9606.E NSP00 000274 026	9606.ENS P0000025 9818	0	0	0	0	0	0.088	0.454	0.48
SEM A6D	PLX NC1	1850 688	1844 617	9606.E NSP00 000324 857	9606.ENS P0000025 8526	0	0	0	0	0	0	0.48	0.48

SLC1 2A1	ATP 6V0 A4	1857 315	1844 258	9606.E NSP00 000370 381	9606.ENS P0000025 3856	0	0	0	0	0	0	0.48	0.48
ERB B4	FLT1	1852 571	1846 791	9606.E NSP00 000342 235	9606.ENS P0000028 2397	0	0	0	0.618	0	0.36	0.513	0.48
ITGA 4	IL2R B	1858 446	1842 567	9606.E NSP00 000380 227	9606.ENS P0000021 6223	0	0	0	0	0	0	0.48	0.48
EGF R	COL 1A1	1846 445	1843 064	9606.E NSP00 000275 493	9606.ENS P0000022 5964	0	0	0	0	0	0	0.478	0.479
FOXI 1	ATP 6V1 B1	1848 621	1843 400	9606.E NSP00 000304 286	9606.ENS P0000023 4396	0	0	0	0	0	0	0.479	0.479
OVO L1	RAP 1GA P	1852 049	1847 204	9606.E NSP00 000337 862	9606.ENS P0000029 0101	0	0	0	0	0	0	0.479	0.479

HK2	ADH 1A	1847 242	1842 451	9606.E NSP00 000290 573	9606.ENS P0000020 9668	0	0	0	0	0	0	0.479	0.479
KIF2 0A	CDK N3	1858 244	1851 839	9606.E NSP00 000378 356	9606.ENS P0000033 5357	0	0	0	0	0.113	0.074	0.416	0.479
GJA1	VWF	1846 806	1844 904	9606.E NSP00 000282 561	9606.ENS P0000026 1405	0	0	0	0	0	0	0.479	0.479
ICA M1	CCN D1	1845 628	1843 117	9606.E NSP00 000264 832	9606.ENS P0000022 7507	0	0	0	0	0	0	0.479	0.479
TRP V6	FOXI 1	1853 837	1848 621	9606.E NSP00 000352 358	9606.ENS P0000030 4286	0	0	0	0	0	0	0.479	0.479
ATP6 V1C2	ATP 12A	1846 240	1842 709	9606.E NSP00 000272 238	9606.ENS P0000021 8548	0	0	0	0	0	0.103	0.443	0.479

TNN T2	GJA1	1854 566	1846 806	9606.E NSP00 000356 286	9606.ENS P0000028 2561	0	0	0	0	0	0	0.479	0.479
ACL Y	TRIB 3	1844 250	1842 649	9606.E NSP00 000253 792	9606.ENS P0000021 7233	0	0	0	0	0	0	0.479	0.479
LYP D6B	ALB	1859 236	1847 637	9606.E NSP00 000387 077	9606.ENS P0000029 5897	0	0	0	0	0	0	0.478	0.478
RAS D1	DCN	1843 042	1842 218	9606.E NSP00 000225 688	9606.ENS P0000005 2754	0	0	0	0	0	0.149	0.411	0.478
NUS AP1	TOP 2A	1862 836	1860 923	9606.E NSP00 000453 403	9606.ENS P0000041 1532	0	0	0	0	0.177	0	0.392	0.478
GAT A3	IL2R B	1857 010	1842 567	9606.E NSP00 000368 632	9606.ENS P0000021 6223	0	0	0	0	0	0	0.478	0.478

ALB	TGF A	1847 637	1847 571	9606.E NSP00 000295 897	9606.ENS P0000029 5400	0	0	0	0	0	0	0.478	0.478
YEA TS2	ASF1 B	1848 900	1845 347	9606.E NSP00 000306 983	9606.ENS P0000026 3382	0	0	0	0	0.073	0.35	0.204	0.478
TTK	CCN B2	1855 108	1847 117	9606.E NSP00 000358 813	9606.ENS P0000028 8207	0	0	0	0	0.161	0.196	0.287	0.477
ALB	EPC AM	1847 637	1845 405	9606.E NSP00 000295 897	9606.ENS P0000026 3735	0	0	0	0	0	0	0.477	0.477
CIB4	DCL K1	1847 141	1844 379	9606.E NSP00 000288 861	9606.ENS P0000025 5448	0	0	0	0	0	0.205	0.37	0.477
C1orf 162	STA P1	1852 783	1845 746	9606.E NSP00 000344 218	9606.ENS P0000026 5404	0	0	0	0	0	0	0.477	0.477



KLK 6	CWH 43	1849 150	1843 090	9606.E NSP00 000309 148	9606.ENS P0000022 6432	0	0	0	0	0	0	0.477	0.477
NUS AP1	KIF2 0A	1862 836	1858 244	9606.E NSP00 000453 403	9606.ENS P0000037 8356	0	0	0	0	0.171	0	0.396	0.477
CTSS	LYZ	1854 929	1844 877	9606.E NSP00 000357 981	9606.ENS P0000026 1267	0	0	0	0	0.074	0	0.459	0.477
TOP2 A	CCN E2	1860 923	1849 155	9606.E NSP00 000411 532	9606.ENS P0000030 9181	0	0	0	0	0.141	0	0.417	0.477
ACT G2	GAB ARA PL1	1847 542	1845 870	9606.E NSP00 000295 137	9606.ENS P0000026 6458	0	0	0	0	0.094	0	0.447	0.477
ERB B2	COL 1A1	1846 101	1843 064	9606.E NSP00 000269 571	9606.ENS P0000022 5964	0	0	0	0	0	0	0.477	0.477

STK3 3	CIB4	1850 278	1847 141	9606.E NSP00 000320 754	9606.ENS P0000028 8861	0	0	0	0	0	0.205	0.37	0.477
PNC K	CIB4	1860 564	1847 141	9606.E NSP00 000405 950	9606.ENS P0000028 8861	0	0	0	0	0	0.205	0.37	0.477
NNT	MRA P2	1845 588	1844 536	9606.E NSP00 000264 663	9606.ENS P0000025 7776	0	0	0	0	0	0	0.477	0.477
MKI 67	CCN B2	1854 841	1847 117	9606.E NSP00 000357 643	9606.ENS P0000028 8207	0	0	0	0	0.257	0	0.324	0.476
CD36	PLIN 2	1849 038	1846 518	9606.E NSP00 000308 165	9606.ENS P0000027 6914	0	0	0	0	0	0	0.476	0.476
SLC5 A2	SLC9 A3	1850 973	1845 649	9606.E NSP00 000327 943	9606.ENS P0000026 4938	0	0	0	0	0	0	0.476	0.476

NOS 1	SLC2 3A1	1852 004	1848 461	9606.E NSP00 000337 459	9606.ENS P0000030 2851	0	0	0	0	0	0	0.476	0.476
KIF1 8A	DLG AP5	1845 299	1843 859	9606.E NSP00 000263 181	9606.ENS P0000024 7191	0	0	0	0	0.166	0	0.397	0.476
RAP 1GA P	RAS D1	1847 204	1843 042	9606.E NSP00 000290 101	9606.ENS P0000022 5688	0	0	0	0	0	0.079	0.455	0.476
SCI MP	GAP T	1863 589	1850 512	9606.E NSP00 000461 269	9606.ENS P0000032 3075	0	0	0	0	0	0	0.476	0.476
B4G ALN T2	SLC6 A3	1848 176	1846 148	9606.E NSP00 000300 404	9606.ENS P0000027 0349	0	0	0	0	0	0	0.476	0.476
OAS 2	HEC W2	1852 576	1844 836	9606.E NSP00 000342 278	9606.ENS P0000026 0983	0	0	0	0	0	0.272	0.309	0.475

HEC W1	OAS 2	1858 345	1852 576	9606.E NSP00 000379 228	9606.ENS P0000034 2278	0	0	0	0	0	0.272	0.309	0.475
SLC1 6A1	SLC2 A3	1855 069	1842 244	9606.E NSP00 000358 640	9606.ENS P0000007 5120	0	0	0	0	0	0	0.475	0.475
CST7	CTS S	1861 479	1854 929	9606.E NSP00 000420 384	9606.ENS P0000035 7981	0	0	0	0	0	0	0.475	0.475
NED D4L	OAS 2	1858 810	1852 576	9606.E NSP00 000383 199	9606.ENS P0000034 2278	0	0	0	0	0	0.272	0.309	0.475
CEP5 5	BUB 1	1855 493	1848 415	9606.E NSP00 000360 540	9606.ENS P0000030 2530	0	0	0	0	0.139	0	0.416	0.475
IKZF 1	EZH 2	1851 367	1850 211	9606.E NSP00 000331 614	9606.ENS P0000032 0147	0	0	0	0	0.073	0	0.455	0.474

CDH 13	SFRP 1	1860 733	1842 801	9606.E NSP00 000408 632	9606.ENS P0000022 0772	0	0	0	0	0	0	0.474	0.474
PTPR C	TYR OBP	1854 576	1845 185	9606.E NSP00 000356 346	9606.ENS P0000026 2629	0	0	0	0	0.091	0	0.445	0.474
KIF2 0A	CCN A2	1858 244	1846 354	9606.E NSP00 000378 356	9606.ENS P0000027 4026	0	0	0	0	0.226	0.104	0.302	0.474
ERB B4	MET	1852 571	1849 944	9606.E NSP00 000342 235	9606.ENS P0000031 7272	0	0	0	0.632	0	0.305	0.676	0.474
NUS AP1	RRM 2	1862 836	1854 033	9606.E NSP00 000453 403	9606.ENS P0000035 3770	0	0	0	0	0.142	0	0.413	0.474
PFKP	PRF1	1857 335	1849 900	9606.E NSP00 000370 517	9606.ENS P0000031 6746	0	0	0	0	0	0	0.474	0.474

TOP2 A	FHIT	1860 923	1852 550	9606.E NSP00 000411 532	9606.ENS P0000034 2087	0	0	0	0	0	0	0.474	0.474
FGF9	WT1	1857 512	1851 331	9606.E NSP00 000371 790	9606.ENS P0000033 1327	0	0	0	0	0	0	0.474	0.474
MYB L1	EZH 2	1861 801	1850 211	9606.E NSP00 000429 633	9606.ENS P0000032 0147	0	0	0	0	0.071	0.107	0.417	0.474
NCK 1	MYO 3A	1847 149	1845 826	9606.E NSP00 000288 986	9606.ENS P0000026 5944	0	0	0	0	0	0.417	0.135	0.474
UPP2	GMP R	1859 251	1844 718	9606.E NSP00 000387 230	9606.ENS P0000025 9727	0	0	0	0	0.073	0	0.455	0.474
FGF R2	CCN D1	1860 837	1843 117	9606.E NSP00 000410 294	9606.ENS P0000022 7507	0	0	0	0	0.099	0	0.44	0.474

CEP5 5	NUF 2	1855 493	1846 198	9606.E NSP00 000360 540	9606.ENS P0000027 1452	0	0	0	0	0.161	0	0.399	0.474
SLC1 3A2	SLC9 A3	1859 644	1845 649	9606.E NSP00 000392 411	9606.ENS P0000026 4938	0	0	0	0	0	0	0.473	0.473
MAP K4	DIR AS2	1858 818	1856 374	9606.E NSP00 000383 234	9606.ENS P0000036 4919	0	0	0	0	0	0.19	0.377	0.473
MAP K4	RAS L11B	1858 818	1843 927	9606.E NSP00 000383 234	9606.ENS P0000024 8706	0	0	0	0	0	0.19	0.377	0.473
WT1	LHX 1	1851 331	1844 295	9606.E NSP00 000331 327	9606.ENS P0000025 4457	0	0	0	0	0	0	0.473	0.473
PDP2	HK2	1849 193	1847 242	9606.E NSP00 000309 548	9606.ENS P0000029 0573	0	0	0	0	0.071	0	0.456	0.473

ALD H6A 1	OXC T1	1862 703	1842 370	9606.E NSP00 000450 436	9606.ENS P0000019 6371	0	0	0	0	0.128	0	0.42	0.473
PEP D	ADH 1A	1843 701	1842 451	9606.E NSP00 000244 137	9606.ENS P0000020 9668	0	0	0	0	0	0	0.473	0.473
SLC1 4A1	SLC3 4A1	1859 506	1850 348	9606.E NSP00 000390 637	9606.ENS P0000032 1424	0	0	0	0	0	0	0.473	0.473
CCN E2	BUB 1	1849 155	1848 415	9606.E NSP00 000309 181	9606.ENS P0000030 2530	0	0	0	0	0.14	0	0.413	0.473
MYO 1F	CAL B1	1852 870	1845 750	9606.E NSP00 000344 871	9606.ENS P0000026 5431	0	0	0	0	0	0.186	0.379	0.473
MAP K4	RAS D1	1858 818	1843 042	9606.E NSP00 000383 234	9606.ENS P0000022 5688	0	0	0	0	0	0.19	0.377	0.473



KCN K9	IYD	1848 378	1843 209	9606.E NSP00 000302 166	9606.ENS P0000022 9447	0	0	0	0	0	0	0.473	0.473
MAP K4	RER GL	1858 818	1843 177	9606.E NSP00 000383 234	9606.ENS P0000022 9002	0	0	0	0	0	0.19	0.377	0.473
SLC4 A9	AQP 2	1861 629	1842 380	9606.E NSP00 000424 424	9606.ENS P0000019 9280	0	0	0	0	0	0	0.473	0.473
WT1	ERB B2	1851 331	1846 101	9606.E NSP00 000331 327	9606.ENS P0000026 9571	0	0	0	0	0	0	0.472	0.472
IGFB P3	TIM P1	1857 331	1842 705	9606.E NSP00 000370 473	9606.ENS P0000021 8388	0	0	0	0	0	0	0.472	0.472
PTPR C	KRT 7	1854 576	1851 127	9606.E NSP00 000356 346	9606.ENS P0000032 9243	0	0	0	0	0	0	0.472	0.472

KCN J1	ATP 6V0 A4	1858 031	1844 258	9606.E NSP00 000376 432	9606.ENS P0000025 3856	0	0	0	0	0	0	0.472	0.472
TOP2 A	QPR T	1860 923	1858 293	9606.E NSP00 000411 532	9606.ENS P0000037 8782	0	0	0	0	0	0	0.472	0.472
FHIT	EGF R	1852 550	1846 445	9606.E NSP00 000342 087	9606.ENS P0000027 5493	0	0	0	0	0	0	0.472	0.472
GAT A3	ERB B2	1857 010	1846 101	9606.E NSP00 000368 632	9606.ENS P0000026 9571	0	0	0	0	0	0	0.472	0.472
CA9	ALB	1856 855	1847 637	9606.E NSP00 000367 608	9606.ENS P0000029 5897	0	0	0	0	0	0	0.472	0.472
SLC4 A9	FOXI 1	1861 629	1848 621	9606.E NSP00 000424 424	9606.ENS P0000030 4286	0	0	0	0	0	0	0.472	0.472

TYR P1	PRD M16	1857 771	1846 173	9606.E NSP00 000373 570	9606.ENS P0000027 0722	0	0	0	0	0	0	0.472	0.472
VEG FA	CCL 5	1855 611	1847 396	9606.E NSP00 000361 125	9606.ENS P0000029 3272	0	0	0	0	0	0	0.472	0.472
MMP 9	CCL 5	1855 661	1847 396	9606.E NSP00 000361 405	9606.ENS P0000029 3272	0	0	0	0	0	0	0.472	0.472
APO BEC 3C	C3	1854 356	1843 781	9606.E NSP00 000355 340	9606.ENS P0000024 5907	0	0	0	0	0	0	0.472	0.472
LOX	TGF B1	1843 271	1842 869	9606.E NSP00 000231 004	9606.ENS P0000022 1930	0	0	0	0	0	0	0.472	0.472
PLG	KDR	1849 130	1845 437	9606.E NSP00 000308 938	9606.ENS P0000026 3923	0	0	0	0	0	0	0.472	0.472

HAU S6	CEP1 70	1857 235	1854 392	9606.E NSP00 000369 871	9606.ENS P0000035 5500	0	0	0	0	0	0	0.472	0.472
CLC NKB	SLC9 A3	1856 357	1845 649	9606.E NSP00 000364 831	9606.ENS P0000026 4938	0.078	0	0	0	0	0	0.451	0.472
VEG FA	TGF A	1855 611	1847 571	9606.E NSP00 000361 125	9606.ENS P0000029 5400	0	0	0	0	0	0	0.472	0.472
CD36	KIT	1849 038	1847 112	9606.E NSP00 000308 165	9606.ENS P0000028 8135	0	0	0	0	0	0	0.472	0.472
ALB	ADM	1847 637	1846 549	9606.E NSP00 000295 897	9606.ENS P0000027 8175	0	0	0	0	0	0	0.472	0.472
TLR2	HMO X1	1844 747	1842 546	9606.E NSP00 000260 010	9606.ENS P0000021 6117	0	0	0	0	0	0	0.472	0.472

PRO MI	CXC R4	1861 160	1859 216	9606.E NSP00 000415 481	9606.ENS P0000038 6884	0	0	0	0	0	0	0.472	0.472
CCL 5	TGF B1	1847 396	1842 869	9606.E NSP00 000293 272	9606.ENS P0000022 1930	0	0	0	0	0	0	0.472	0.472
SCD 5	ALB	1849 862	1847 637	9606.E NSP00 000316 329	9606.ENS P0000029 5897	0	0	0	0	0	0	0.472	0.472
MET	TIM P1	1849 944	1842 705	9606.E NSP00 000317 272	9606.ENS P0000021 8388	0	0	0	0	0	0	0.472	0.472
CAL U	ALB	1861 478	1847 637	9606.E NSP00 000420 381	9606.ENS P0000029 5897	0	0	0	0	0	0	0.472	0.472
WT1	EPC AM	1851 331	1845 405	9606.E NSP00 000331 327	9606.ENS P0000026 3735	0	0	0	0	0	0	0.472	0.472

FCG R3A	ERB B2	1854 695	1846 101	9606.E NSP00 000356 946	9606.ENS P0000026 9571	0	0	0	0	0	0	0.472	0.472
TLR7	BST2	1857 265	1844 139	9606.E NSP00 000370 034	9606.ENS P0000025 2593	0	0	0	0	0	0	0.472	0.472
THS D7A	C16o rf89	1860 605	1850 666	9606.E NSP00 000406 482	9606.ENS P0000032 4672	0	0	0	0	0	0	0.472	0.472
LYP D6B	CDK 1	1859 236	1858 283	9606.E NSP00 000387 077	9606.ENS P0000037 8699	0	0	0	0	0	0	0.472	0.472
PRO M1	ABC B1	1861 160	1845 794	9606.E NSP00 000415 481	9606.ENS P0000026 5724	0	0	0	0	0	0	0.472	0.472
SLC2 A14	SLC1 6A1	1858 405	1855 069	9606.E NSP00 000379 834	9606.ENS P0000035 8640	0	0	0	0	0	0	0.472	0.472

VWF	C3	1844 904	1843 781	9606.E NSP00 000261 405	9606.ENS P0000024 5907	0	0	0	0	0	0	0.472	0.472
CD53	COR O1A	1846 188	1842 723	9606.E NSP00 000271 324	9606.ENS P0000021 9150	0	0	0	0	0.384	0	0.179	0.472
KCN MA1	KCN K3	1859 069	1848 825	9606.E NSP00 000385 806	9606.ENS P0000030 6275	0	0	0	0	0	0	0.472	0.472
TNF SF13 B	CXC L13	1856 399	1847 033	9606.E NSP00 000365 048	9606.ENS P0000028 6758	0	0	0	0	0	0	0.472	0.472
CA9	KDR	1856 855	1845 437	9606.E NSP00 000367 608	9606.ENS P0000026 3923	0	0	0	0	0	0	0.472	0.472
MUC 1	CD4	1854 790	1842 167	9606.E NSP00 000357 380	9606.ENS P0000001 1653	0	0	0	0	0	0	0.472	0.472

KDR	SER PINE 1	1845 437	1842 959	9606.E NSP00 000263 923	9606.ENS P0000022 3095	0	0	0	0	0	0	0.472	0.472
ABC C3	ABC A8	1846 952	1846 060	9606.E NSP00 000285 238	9606.ENS P0000026 9080	0	0	0	0	0	0.101	0.437	0.472
TOP2 A	MKI 67	1860 923	1854 841	9606.E NSP00 000411 532	9606.ENS P0000035 7643	0	0	0	0	0.112	0	0.43	0.472
TGM 2	ALB	1854 355	1847 637	9606.E NSP00 000355 330	9606.ENS P0000029 5897	0	0	0	0	0	0	0.472	0.472
MAP K4	MAP 3K15	1858 818	1852 955	9606.E NSP00 000383 234	9606.ENS P0000034 5629	0	0	0	0.631	0	0.361	0.495	0.472
VEG FA	CDH 2	1855 611	1846 066	9606.E NSP00 000361 125	9606.ENS P0000026 9141	0	0	0	0	0	0	0.472	0.472



TME M52 B	ATP 6V1 G3	1847 967	1846 704	9606.E NSP00 000298 530	9606.ENS P0000028 1087	0	0	0	0	0	0	0.472	0.472
MYC	PLE K	1856 789	1843 395	9606.E NSP00 000367 207	9606.ENS P0000023 4313	0	0	0	0	0	0	0.472	0.472
BMP 7	ALB	1858 342	1847 637	9606.E NSP00 000379 204	9606.ENS P0000029 5897	0	0	0	0	0	0	0.472	0.472
RHO H	IKZF 1	1857 435	1851 367	9606.E NSP00 000371 219	9606.ENS P0000033 1614	0	0	0	0	0	0.098	0.438	0.472
VEG FA	KITL G	1855 611	1843 134	9606.E NSP00 000361 125	9606.ENS P0000022 8280	0	0	0	0	0	0	0.472	0.472
MAP K4	TRIB 3	1858 818	1842 649	9606.E NSP00 000383 234	9606.ENS P0000021 7233	0	0	0	0	0	0.194	0.372	0.472

TME M72	XPN PEP2	1857 835	1855 403	9606.E NSP00 000374 234	9606.ENS P0000036 0147	0	0	0	0	0	0	0.472	0.472
PLK1	ALB	1848 135	1847 637	9606.E NSP00 000300 093	9606.ENS P0000029 5897	0	0	0	0	0	0	0.471	0.471
B4G ALN T2	TBX 3	1848 176	1844 516	9606.E NSP00 000300 404	9606.ENS P0000025 7566	0	0	0	0	0	0	0.471	0.471
PGF	FGF1	1862 737	1852 115	9606.E NSP00 000451 040	9606.ENS P0000033 8548	0	0	0	0	0	0	0.471	0.471
PFKP	PDK 1	1857 335	1846 769	9606.E NSP00 000370 517	9606.ENS P0000028 2077	0	0	0	0	0	0	0.471	0.471
ALO X5	KIA A010 1	1856 107	1848 123	9606.E NSP00 000363 512	9606.ENS P0000030 0035	0	0	0	0	0	0	0.471	0.471

FLT1	SER PINE 1	1846 791	1842 959	9606.E NSP00 000282 397	9606.ENS P0000022 3095	0	0	0	0	0	0	0.471	0.471
NCF 2	ALB	1854 612	1847 637	9606.E NSP00 000356 505	9606.ENS P0000029 5897	0	0	0	0	0	0	0.471	0.471
CKB	HK2	1848 031	1847 242	9606.E NSP00 000299 198	9606.ENS P0000029 0573	0	0	0	0	0	0	0.471	0.471
MMP 1	CCN D1	1850 481	1843 117	9606.E NSP00 000322 788	9606.ENS P0000022 7507	0	0	0	0	0	0	0.471	0.471
SEM A6D	MET	1850 688	1849 944	9606.E NSP00 000324 857	9606.ENS P0000031 7272	0	0	0	0	0	0.074	0.452	0.471
FGF R2	BRC A2	1860 837	1857 163	9606.E NSP00 000410 294	9606.ENS P0000036 9497	0	0	0	0	0	0	0.471	0.471

C1orf 114	UGT 3A1	1854 662	1846 371	9606.E NSP00 000356 779	9606.ENS P0000027 4278	0	0	0	0	0	0	0.471	0.471
STRI P2	RDH 10	1843 957	1843 555	9606.E NSP00 000249 344	9606.ENS P0000024 0285	0	0	0	0	0	0	0.471	0.471
CD36	HMO X1	1849 038	1842 546	9606.E NSP00 000308 165	9606.ENS P0000021 6117	0	0	0	0	0	0	0.471	0.471
CAS P1	ITG AX	1860 827	1846 012	9606.E NSP00 000410 076	9606.ENS P0000026 8296	0	0	0	0	0	0	0.471	0.471
PRD M1	TNF AIP3	1854 949	1843 455	9606.E NSP00 000358 092	9606.ENS P0000023 7289	0	0	0	0	0	0	0.471	0.471
ATA D2	CDC 6	1847 066	1842 453	9606.E NSP00 000287 394	9606.ENS P0000020 9728	0	0	0	0	0.077	0.102	0.413	0.471

SMI M5	XPN PEP2	1856 259	1855 403	9606.E NSP00 000364 363	9606.ENS P0000036 0147	0	0	0	0	0	0	0.471	0.471
DOC 2A	SEZ6 L2	1852 283	1849 545	9606.E NSP00 000340 017	9606.ENS P0000031 2550	0	0	0	0	0	0	0.471	0.471
EPH X2	PXD N	1861 828	1844 162	9606.E NSP00 000430 269	9606.ENS P0000025 2804	0	0	0	0	0	0	0.471	0.471
NOS 1	TLR 2	1852 004	1844 747	9606.E NSP00 000337 459	9606.ENS P0000026 0010	0	0	0	0	0	0	0.471	0.471
PIGR	ALB	1853 366	1847 637	9606.E NSP00 000348 888	9606.ENS P0000029 5897	0	0	0	0	0	0	0.47	0.47
PLX ND1	NTR K2	1849 931	1846 523	9606.E NSP00 000317 128	9606.ENS P0000027 7120	0	0	0	0	0	0	0.469	0.47

HAD H	ALB	1859 056	1847 637	9606.E NSP00 000385 638	9606.ENS P0000029 5897	0	0	0	0	0	0	0.47	0.47
CPA MD8	NTN G1	1860 348	1855 169	9606.E NSP00 000402 505	9606.ENS P0000035 9085	0	0	0	0	0	0	0.47	0.47
SCN 7A	SCN N1B	1859 207	1852 969	9606.E NSP00 000386 796	9606.ENS P0000034 5751	0	0	0	0	0	0	0.206	0.47
SLC5 A2	AQP 2	1850 973	1842 380	9606.E NSP00 000327 943	9606.ENS P0000019 9280	0	0	0	0	0	0	0.469	0.47
ANG PTL4	PLIN 2	1848 295	1846 518	9606.E NSP00 000301 455	9606.ENS P0000027 6914	0	0	0	0	0	0	0.47	0.47
MMP 9	GJA1	1855 661	1846 806	9606.E NSP00 000361 405	9606.ENS P0000028 2561	0	0	0	0	0	0	0.47	0.47

APL N	ADM	1848 734	1846 549	9606.E NSP00 000305 464	9606.ENS P0000027 8175	0	0	0	0	0	0	0.47	0.47
DEF B1	LYZ	1847 869	1844 877	9606.E NSP00 000297 439	9606.ENS P0000026 1267	0	0	0	0	0	0	0.47	0.47
VEG FA	GJA1	1855 611	1846 806	9606.E NSP00 000361 125	9606.ENS P0000028 2561	0	0	0	0	0	0	0.47	0.47
FOX M1	BUB 1	1852 579	1848 415	9606.E NSP00 000342 307	9606.ENS P0000030 2530	0	0	0	0	0.124	0.13	0.36	0.47
KCN J1	TRP V6	1858 031	1853 837	9606.E NSP00 000376 432	9606.ENS P0000035 2358	0	0	0	0	0	0	0.47	0.47
TNF SF13 B	ITG AX	1856 399	1846 012	9606.E NSP00 000365 048	9606.ENS P0000026 8296	0	0	0	0	0	0	0.47	0.47

MET	ST14	1849 944	1846 581	9606.E NSP00 000317 272	9606.ENS P0000027 8742	0	0	0	0	0	0	0.47	0.47
INPP 5J	VEG FA	1858 952	1855 611	9606.E NSP00 000384 534	9606.ENS P0000036 1125	0	0	0	0	0	0	0.47	0.47
KCN IP1	FOXI 1	1859 858	1848 621	9606.E NSP00 000395 323	9606.ENS P0000030 4286	0	0	0	0	0	0.097	0.437	0.47
ITGB 2	AFM	1848 511	1843 087	9606.E NSP00 000303 242	9606.ENS P0000022 6355	0	0	0	0	0	0	0.469	0.469
SLC4 A9	SLC9 A3	1861 629	1845 649	9606.E NSP00 000424 424	9606.ENS P0000026 4938	0	0	0	0	0	0	0.469	0.469
SLC4 A9	ATP 6V0 A4	1861 629	1844 258	9606.E NSP00 000424 424	9606.ENS P0000025 3856	0	0	0	0	0	0	0.469	0.469



GAT A3	RPS6 KA6	1857 010	1845 209	9606.E NSP00 000368 632	9606.ENS P0000026 2752	0	0	0	0	0	0	0.469	0.469
GAT A3	SGK 2	1857 010	1852 346	9606.E NSP00 000368 632	9606.ENS P0000034 0608	0	0	0	0	0	0	0.469	0.469
NUS AP1	NUF 2	1862 836	1846 198	9606.E NSP00 000453 403	9606.ENS P0000027 1452	0	0	0	0	0.227	0	0.342	0.469
MYO 3A	FRA S1	1845 826	1845 638	9606.E NSP00 000265 944	9606.ENS P0000026 4895	0	0	0	0	0	0	0.469	0.469
TOP2 A	AQP 2	1860 923	1842 380	9606.E NSP00 000411 532	9606.ENS P0000019 9280	0	0	0	0	0	0	0.469	0.469
SLC1 5A2	SLC9 A3	1861 264	1845 649	9606.E NSP00 000417 085	9606.ENS P0000026 4938	0	0	0	0	0	0	0.469	0.469

PIEZ O2	SAC S	1863 771	1857 506	9606.E NSP00 000463 094	9606.ENS P0000037 1729	0	0	0	0	0	0	0.468	0.469
NR3 C2	CLC NKA	1852 455	1851 515	9606.E NSP00 000341 390	9606.ENS P0000033 2771	0	0	0	0	0	0	0.469	0.469
NUS AP1	TTK	1862 836	1855 108	9606.E NSP00 000453 403	9606.ENS P0000035 8813	0	0	0	0	0.222	0	0.346	0.469
KCN MA1	NOS 1	1859 069	1852 004	9606.E NSP00 000385 806	9606.ENS P0000033 7459	0	0	0	0	0	0	0.469	0.469
MYO 3B	FRA S1	1859 134	1845 638	9606.E NSP00 000386 213	9606.ENS P0000026 4895	0	0	0	0	0	0	0.469	0.469
SLC2 6A4	ATP 12A	1845 790	1842 709	9606.E NSP00 000265 715	9606.ENS P0000021 8548	0	0	0	0	0	0	0.469	0.469

EGFR	AP1 M2	1846 445	1844 001	9606.E NSP00 000275 493	9606.ENS P0000025 0244	0	0	0	0	0	0.293	0.28	0.469
NOS1	RPS6 KA6	1852 004	1845 209	9606.E NSP00 000337 459	9606.ENS P0000026 2752	0	0	0	0	0	0	0.469	0.469
CDK1	NUF 2	1858 283	1846 198	9606.E NSP00 000378 699	9606.ENS P0000027 1452	0	0	0	0	0.271	0	0.301	0.468
UNC5B	LRR C2	1851 710	1847 688	9606.E NSP00 000334 329	9606.ENS P0000029 6144	0	0	0	0	0	0	0.468	0.468
CEP55	BUB 1B	1855 493	1847 075	9606.E NSP00 000360 540	9606.ENS P0000028 7598	0	0	0	0	0.114	0	0.425	0.468
ERBB2	ABC B1	1846 101	1845 794	9606.E NSP00 000269 571	9606.ENS P0000026 5724	0	0	0	0	0	0	0.468	0.468

MYB L1	SGK 2	1861 801	1852 346	9606.E NSP00 000429 633	9606.ENS P0000034 0608	0	0	0	0	0	0	0.468	0.468
NUS AP1	ANL N	1862 836	1845 802	9606.E NSP00 000453 403	9606.ENS P0000026 5748	0	0	0	0	0.112	0	0.426	0.468
SELE	ANO 2	1851 385	1849 678	9606.E NSP00 000331 736	9606.ENS P0000031 4048	0	0	0	0	0	0	0.468	0.468
ALD H4A 1	OXC T1	1847 245	1842 370	9606.E NSP00 000290 597	9606.ENS P0000019 6371	0.084	0	0	0	0	0	0.443	0.468
NCF 2	NOS 1	1854 612	1852 004	9606.E NSP00 000356 505	9606.ENS P0000033 7459	0	0	0	0	0	0	0.468	0.468
FN1	EGF R	1853 098	1846 445	9606.E NSP00 000346 839	9606.ENS P0000027 5493	0	0	0	0	0	0.227	0.341	0.468

MYO 3B	NCK 1	1859 134	1847 149	9606.E NSP00 000386 213	9606.ENS P0000028 8986	0	0	0	0	0	0.417	0.125	0.468
MYB L1	RPS6 KA6	1861 801	1845 209	9606.E NSP00 000429 633	9606.ENS P0000026 2752	0	0	0	0	0	0	0.468	0.468
CDK 1	ACT G2	1858 283	1847 542	9606.E NSP00 000378 699	9606.ENS P0000029 5137	0	0	0	0	0	0	0.467	0.468
TRP M6	TRP A1	1854 063	1845 090	9606.E NSP00 000354 006	9606.ENS P0000026 2209	0	0	0	0	0	0	0.467	0.468
SLC1 4A1	AQP 9	1859 506	1842 775	9606.E NSP00 000390 637	9606.ENS P0000021 9919	0	0	0	0	0	0	0.467	0.467
EZH 2	HOX A7	1850 211	1843 612	9606.E NSP00 000320 147	9606.ENS P0000024 2159	0	0	0	0	0	0.096	0.434	0.467

SLC3 0A2	PRO M2	1856 082	1850 033	9606.E NSP00 000363 394	9606.ENS P0000031 8270	0	0	0	0	0	0	0.467	0.467
TIMP 1	HMO X1	1842 705	1842 546	9606.E NSP00 000218 388	9606.ENS P0000021 6117	0	0	0	0	0.07	0	0.451	0.467
TOP2 A	PBK	1860 923	1848 348	9606.E NSP00 000411 532	9606.ENS P0000030 1905	0	0	0	0	0.175	0	0.381	0.467
ATP1 A1	EGF R	1847 591	1846 445	9606.E NSP00 000295 598	9606.ENS P0000027 5493	0	0	0	0	0	0.466	0.043	0.467
CAV 1	MMP 1	1852 186	1850 481	9606.E NSP00 000339 191	9606.ENS P0000032 2788	0	0	0	0	0	0	0.465	0.466
CDK 18	PLK 1	1861 603	1848 135	9606.E NSP00 000423 665	9606.ENS P0000030 0093	0	0	0	0.634	0.114	0.298	0.503	0.466

RHO BTB 3	PFN2	1857 125	1843 544	9606.E NSP00 000369 318	9606.ENS P0000023 9940	0	0	0	0	0	0.304	0.265	0.466
TUB B2B	DCL K1	1844 727	1844 379	9606.E NSP00 000259 818	9606.ENS P0000025 5448	0	0	0	0	0	0	0.465	0.466
TOP2 A	PFK P	1860 923	1857 335	9606.E NSP00 000411 532	9606.ENS P0000037 0517	0	0	0	0	0	0	0.466	0.466
KCN J10	KCN K3	1854 726	1848 825	9606.E NSP00 000357 068	9606.ENS P0000030 6275	0	0	0	0	0	0	0.466	0.466
KIF2 0A	TPX 2	1858 244	1848 175	9606.E NSP00 000378 356	9606.ENS P0000030 0403	0	0	0	0	0.2	0	0.361	0.466
STK3 2A	EIF4 EBP1	1858 546	1852 358	9606.E NSP00 000381 030	9606.ENS P0000034 0691	0	0	0	0	0	0.108	0.426	0.466

PFN2	TMS B10	1843 544	1843 340	9606.E NSP00 000239 940	9606.ENS P0000023 3143	0	0	0	0	0.211	0.304	0.107	0.466
RHO H	PFN2	1857 435	1843 544	9606.E NSP00 000371 219	9606.ENS P0000023 9940	0	0	0	0	0	0.304	0.265	0.466
RAC 2	PFN2	1843 949	1843 544	9606.E NSP00 000249 071	9606.ENS P0000023 9940	0	0	0	0	0	0.304	0.265	0.466
RHC G	AQP 2	1845 993	1842 380	9606.E NSP00 000268 122	9606.ENS P0000019 9280	0	0	0	0	0	0	0.466	0.466
MT1 X	SLC2 A3	1858 204	1842 244	9606.E NSP00 000377 995	9606.ENS P0000007 5120	0	0	0	0	0	0	0.466	0.466
CD36	TLR 3	1849 038	1847 791	9606.E NSP00 000308 165	9606.ENS P0000029 6795	0	0	0	0	0	0	0.465	0.465



MYB L1	CDK 18	1861 801	1861 603	9606.E NSP00 000429 633	9606.ENS P0000042 3665	0	0	0	0	0	0.15	0.397	0.465
NLG N1	CDH 2	1854 143	1846 066	9606.E NSP00 000354 541	9606.ENS P0000026 9141	0	0	0	0	0	0	0.465	0.465
PLK2	DCL K1	1846 372	1844 379	9606.E NSP00 000274 289	9606.ENS P0000025 5448	0	0	0	0.641	0.064	0.36	0.426	0.465
KCN K3	IYD	1848 825	1843 209	9606.E NSP00 000306 275	9606.ENS P0000022 9447	0	0	0	0	0	0	0.465	0.465
PRL R	CCN D1	1857 467	1843 117	9606.E NSP00 000371 432	9606.ENS P0000022 7507	0	0	0	0	0	0	0.465	0.465
PHG DH	ALB	1855 016	1847 637	9606.E NSP00 000358 417	9606.ENS P0000029 5897	0	0	0	0	0	0	0.465	0.465

ACT G2	HK2	1847 542	1847 242	9606.E NSP00 000295 137	9606.ENS P0000029 0573	0	0	0	0	0	0.178	0.376	0.465
RAB 25	PIP5 K1B	1854 111	1845 741	9606.E NSP00 000354 376	9606.ENS P0000026 5382	0	0	0	0	0	0.188	0.369	0.465
FHO D3	RAC 2	1844 493	1843 949	9606.E NSP00 000257 209	9606.ENS P0000024 9071	0	0	0	0	0	0	0.464	0.464
HAD H	ACO T11	1859 056	1855 460	9606.E NSP00 000385 638	9606.ENS P0000036 0366	0.089	0	0	0	0.107	0	0.394	0.464
BMP 7	EGF R	1858 342	1846 445	9606.E NSP00 000379 204	9606.ENS P0000027 5493	0	0	0	0	0	0.151	0.394	0.464
SLC1 6A10	SLC2 A12	1854 900	1846 436	9606.E NSP00 000357 844	9606.ENS P0000027 5230	0	0	0	0	0	0	0.464	0.464

TLR7	ICA M1	1857 265	1845 628	9606.E NSP00 000370 034	9606.ENS P0000026 4832	0	0	0	0	0	0	0.464	0.463
SLC1 2A1	HSD 11B2	1857 315	1849 905	9606.E NSP00 000370 381	9606.ENS P0000031 6786	0	0	0	0	0	0	0.463	0.463
NOS 1	ADH 1B	1852 004	1848 863	9606.E NSP00 000337 459	9606.ENS P0000030 6606	0	0	0	0	0	0	0.463	0.463
CNT N1	CDH 16	1850 758	1848 099	9606.E NSP00 000325 660	9606.ENS P0000029 9752	0	0	0	0	0	0	0.463	0.463
SLC1 3A2	SLC2 2A6	1859 644	1856 766	9606.E NSP00 000392 411	9606.ENS P0000036 7102	0	0	0	0	0	0	0.463	0.463
PLK1	DCL K1	1848 135	1844 379	9606.E NSP00 000300 093	9606.ENS P0000025 5448	0	0	0	0.646	0.064	0.36	0.421	0.463

CEN PF	DLG AP5	1854 480	1843 859	9606.E NSP00 000355 922	9606.ENS P0000024 7191	0	0	0	0	0.115	0	0.419	0.463
PRO M1	ERB B2	1861 160	1846 101	9606.E NSP00 000415 481	9606.ENS P0000026 9571	0	0	0	0	0	0	0.464	0.463
VWC E	LNK 1	1851 689	1845 438	9606.E NSP00 000334 186	9606.ENS P0000026 3925	0	0	0	0	0	0.44	0.082	0.463
PXK	ITG AX	1853 305	1846 012	9606.E NSP00 000348 472	9606.ENS P0000026 8296	0	0	0	0	0	0	0.462	0.462
PDE7 B	RAS L11B	1849 328	1843 927	9606.E NSP00 000310 661	9606.ENS P0000024 8706	0	0	0	0	0	0.194	0.36	0.462
PDE7 B	RER GL	1849 328	1843 177	9606.E NSP00 000310 661	9606.ENS P0000022 9002	0	0	0	0	0	0.194	0.36	0.462

PDE7 B	RAS D1	1849 328	1843 042	9606.E NSP00 000310 661	9606.ENS P0000022 5688	0	0	0	0	0	0.194	0.36	0.462
DIR AS2	PDE 7B	1856 374	1849 328	9606.E NSP00 000364 919	9606.ENS P0000031 0661	0	0	0	0	0	0.194	0.36	0.462
SCN N1B	CLC NKA	1852 969	1851 515	9606.E NSP00 000345 751	9606.ENS P0000033 2771	0	0	0	0	0	0	0.462	0.462
ITGA 5	KIT	1847 411	1847 112	9606.E NSP00 000293 379	9606.ENS P0000028 8135	0	0	0	0	0	0	0.461	0.462
MYC	CCN A2	1856 789	1846 354	9606.E NSP00 000367 207	9606.ENS P0000027 4026	0	0	0	0	0	0	0.462	0.461
FGF R2	KL	1860 837	1857 155	9606.E NSP00 000410 294	9606.ENS P0000036 9442	0	0	0	0	0	0.126	0.409	0.461

CTSS	SER PINE 1	1854 929	1842 959	9606.E NSP00 000357 981	9606.ENS P0000022 3095	0	0	0	0	0	0.076	0.441	0.461
APB B1IP	CAV 1	1856 462	1852 186	9606.E NSP00 000365 411	9606.ENS P0000033 9191	0	0	0	0	0	0	0.461	0.461
RAP GEF3	PLE K	1857 808	1843 395	9606.E NSP00 000373 864	9606.ENS P0000023 4313	0	0	0	0	0	0	0.462	0.461
LCP1	SPT BN2	1849 816	1849 428	9606.E NSP00 000315 757	9606.ENS P0000031 1489	0	0	0	0.614	0	0.341	0.495	0.461
MMP 1	FLT1	1850 481	1846 791	9606.E NSP00 000322 788	9606.ENS P0000028 2397	0	0	0	0	0	0	0.461	0.461
PIK3 CG	DCL K1	1853 801	1844 379	9606.E NSP00 000352 121	9606.ENS P0000025 5448	0	0	0	0	0	0.155	0.389	0.461

CEN PF	CCN A2	1854 480	1846 354	9606.E NSP00 000355 922	9606.ENS P0000027 4026	0	0	0	0	0.115	0	0.417	0.461
HSP A2	ENO 2	1843 861	1843 192	9606.E NSP00 000247 207	9606.ENS P0000022 9277	0	0	0	0	0.115	0.104	0.374	0.46
GAT A3	PLA G1	1857 010	1850 746	9606.E NSP00 000368 632	9606.ENS P0000032 5546	0	0	0	0	0	0.102	0.423	0.46
ALD OB	PCK 1	1856 191	1850 185	9606.E NSP00 000363 988	9606.ENS P0000031 9814	0	0	0	0	0.112	0	0.417	0.46
RER GL	DCN	1843 177	1842 218	9606.E NSP00 000229 002	9606.ENS P0000005 2754	0	0	0	0	0	0.149	0.391	0.46
SLC9 A2	AQP 2	1843 378	1842 380	9606.E NSP00 000233 969	9606.ENS P0000019 9280	0	0	0	0	0.073	0	0.441	0.46

ERO 1L	PRD X4	1858 318	1857 012	9606.E NSP00 000379 042	9606.ENS P0000036 8646	0	0	0	0	0	0	0.46	0.46
PRC1	BUB 1B	1858 173	1847 075	9606.E NSP00 000377 793	9606.ENS P0000028 7598	0	0	0	0	0.226	0	0.33	0.459
CD86	TLR 3	1851 423	1847 791	9606.E NSP00 000332 049	9606.ENS P0000029 6795	0	0	0	0	0	0	0.459	0.459
TDG F1	EGF R	1847 689	1846 445	9606.E NSP00 000296 145	9606.ENS P0000027 5493	0	0	0	0	0	0	0.459	0.459
SUC LG1	ENO 2	1858 135	1843 192	9606.E NSP00 000377 446	9606.ENS P0000022 9277	0	0	0	0	0.199	0	0.352	0.459
PRD M1	TRP M6	1854 949	1854 063	9606.E NSP00 000358 092	9606.ENS P0000035 4006	0	0	0	0	0	0	0.459	0.459



CDH 2	KDR	1846 066	1845 437	9606.E NSP00 000269 141	9606.ENS P0000026 3923	0	0	0	0	0	0	0.459	0.459
PRO M1	ICA M1	1861 160	1845 628	9606.E NSP00 000415 481	9606.ENS P0000026 4832	0	0	0	0	0	0	0.459	0.459
MYO 3B	FRE M2	1859 134	1846 671	9606.E NSP00 000386 213	9606.ENS P0000028 0481	0	0	0	0	0	0	0.46	0.459
PLG	EGF R	1849 130	1846 445	9606.E NSP00 000308 938	9606.ENS P0000027 5493	0	0	0	0	0	0	0.459	0.459
ENP P3	ALB	1853 565	1847 637	9606.E NSP00 000350 265	9606.ENS P0000029 5897	0	0	0	0	0	0	0.459	0.459
KCN J1	KCN K3	1858 031	1848 825	9606.E NSP00 000376 432	9606.ENS P0000030 6275	0	0	0	0	0	0	0.459	0.459

ITGA 4	NRP 2	1858 446	1854 002	9606.E NSP00 000380 227	9606.ENS P0000035 3582	0	0	0	0	0	0	0.459	0.459
SLC1 A4	SLC7 A9	1843 391	1842 191	9606.E NSP00 000234 256	9606.ENS P0000002 3064	0	0	0	0	0	0	0.459	0.459
NOS 1	ALB	1852 004	1847 637	9606.E NSP00 000337 459	9606.ENS P0000029 5897	0	0	0	0	0	0	0.459	0.459
ERB B2	CDH 2	1846 101	1846 066	9606.E NSP00 000269 571	9606.ENS P0000026 9141	0	0	0	0	0	0	0.459	0.459
HSD 11B2	ALB	1849 905	1847 637	9606.E NSP00 000316 786	9606.ENS P0000029 5897	0	0	0	0	0	0	0.459	0.459
BRC A2	CYP 17A1	1857 163	1855 129	9606.E NSP00 000369 497	9606.ENS P0000035 8903	0	0	0	0	0	0	0.459	0.459

SERP INE1	DCN	1842 959	1842 218	9606.E NSP00 000223 095	9606.ENS P0000005 2754	0	0	0	0	0	0	0.459	0.459
TYM S	GGH	1849 803	1844 755	9606.E NSP00 000315 644	9606.ENS P0000026 0118	0	0	0	0	0	0	0.459	0.459
ITGB 2	VWF	1848 511	1844 904	9606.E NSP00 000303 242	9606.ENS P0000026 1405	0	0	0	0	0	0	0.459	0.459
FRE M2	MYO 3A	1846 671	1845 826	9606.E NSP00 000280 481	9606.ENS P0000026 5944	0	0	0	0	0	0	0.46	0.459
KCN MA1	KCN K9	1859 069	1848 378	9606.E NSP00 000385 806	9606.ENS P0000030 2166	0	0	0	0	0	0	0.459	0.459
KIT	CHL 1	1847 112	1844 445	9606.E NSP00 000288 135	9606.ENS P0000025 6509	0	0	0	0	0	0.091	0.429	0.459

MMP 1	VWF	1850 481	1844 904	9606.E NSP00 000322 788	9606.ENS P0000026 1405	0	0	0	0	0	0	0.459	0.459
ITGA L	C3	1853 413	1843 781	9606.E NSP00 000349 252	9606.ENS P0000024 5907	0	0	0	0	0	0	0.459	0.459
ABA T	ALD H8A 1	1846 008	1845 778	9606.E NSP00 000268 251	9606.ENS P0000026 5605	0.224	0	0	0	0.109	0.108	0.226	0.458
CDK N3	KIF1 1	1851 839	1844 817	9606.E NSP00 000335 357	9606.ENS P0000026 0731	0	0	0	0	0.072	0.211	0.32	0.458
ATP6 V0D 2	ATP 12A	1846 960	1842 709	9606.E NSP00 000285 393	9606.ENS P0000021 8548	0	0	0	0	0	0.187	0.361	0.458
KIA A010 1	VWF	1848 123	1844 904	9606.E NSP00 000300 035	9606.ENS P0000026 1405	0	0	0	0	0	0	0.458	0.457

PRO MI	KITL G	1861 160	1843 134	9606.E NSP00 000415 481	9606.ENS P0000022 8280	0	0	0	0	0	0	0.457	0.457
MMP 9	CSF1 R	1855 661	1847 002	9606.E NSP00 000361 405	9606.ENS P0000028 6301	0	0	0	0	0	0	0.458	0.457
MET	ACL Y	1849 944	1844 250	9606.E NSP00 000317 272	9606.ENS P0000025 3792	0	0	0	0	0	0	0.457	0.457
SLC2 A1	MT1 E	1861 219	1848 987	9606.E NSP00 000416 293	9606.ENS P0000030 7706	0	0	0	0	0	0	0.457	0.457
PTPR C	CDH 2	1854 576	1846 066	9606.E NSP00 000356 346	9606.ENS P0000026 9141	0	0	0	0	0	0	0.457	0.457
CR2	CD3 7	1854 505	1850 765	9606.E NSP00 000356 024	9606.ENS P0000032 5708	0	0	0	0	0	0	0.458	0.457

POS TN	MMP 9	1857 088	1855 661	9606.E NSP00 000369 071	9606.ENS P0000036 1405	0	0	0	0	0.112	0	0.414	0.457
BUB 1B	TUB B2B	1847 075	1844 727	9606.E NSP00 000287 598	9606.ENS P0000025 9818	0	0	0	0	0	0.362	0.184	0.457
CAL B1	TUB B2B	1845 750	1844 727	9606.E NSP00 000265 431	9606.ENS P0000025 9818	0	0	0	0	0	0.104	0.419	0.457
RAP GEF3	PTG ER3	1857 808	1853 383	9606.E NSP00 000373 864	9606.ENS P0000034 9003	0	0	0	0	0	0	0.457	0.457
SELE	TLR 2	1851 385	1844 747	9606.E NSP00 000331 736	9606.ENS P0000026 0010	0	0	0	0	0	0	0.457	0.457
CD16 3	CCL 18	1853 796	1842 123	9606.E NSP00 000352 071	9606.ENS P0000000 4921	0	0	0	0	0	0	0.457	0.457

APB BIIP	RAP IGA P	1856 462	1847 204	9606.E NSP00 000365 411	9606.ENS P0000029 0101	0	0	0	0	0	0	0.457	0.457
ITGA X	TYR OBP	1846 012	1845 185	9606.E NSP00 000268 296	9606.ENS P0000026 2629	0	0	0	0	0	0	0.457	0.457
EZH 2	HOX D10	1850 211	1843 966	9606.E NSP00 000320 147	9606.ENS P0000024 9501	0	0	0	0	0	0.075	0.437	0.457
XPB PEP2	LDH D	1855 403	1848 124	9606.E NSP00 000360 147	9606.ENS P0000030 0051	0	0	0	0	0	0	0.458	0.457
PIK3 CG	NCK 1	1853 801	1847 149	9606.E NSP00 000352 121	9606.ENS P0000028 8986	0	0	0	0	0	0	0.457	0.457
CYP 2B6	CGN L1	1850 664	1846 718	9606.E NSP00 000324 648	9606.ENS P0000028 1282	0	0	0	0	0	0	0.458	0.457

MYC	HMO X1	1856 789	1842 546	9606.E NSP00 000367 207	9606.ENS P0000021 6117	0	0	0	0	0	0	0.458	0.457
TOP2 A	CCN D1	1860 923	1843 117	9606.E NSP00 000411 532	9606.ENS P0000022 7507	0	0	0	0	0	0	0.457	0.457
EZH 2	HIST 1H3 B	1850 211	1843 731	9606.E NSP00 000320 147	9606.ENS P0000024 4661	0	0	0	0	0	0.297	0.26	0.457
FAB P6	ATP 12A	1858 148	1842 709	9606.E NSP00 000377 549	9606.ENS P0000021 8548	0	0	0	0	0	0	0.457	0.457
HCK	ALB	1856 392	1847 637	9606.E NSP00 000365 012	9606.ENS P0000029 5897	0	0	0	0	0	0	0.457	0.457
ITGA L	FAS	1853 413	1853 242	9606.E NSP00 000349 252	9606.ENS P0000034 7979	0	0	0	0	0	0	0.458	0.457



NPH S1	APO L1	1856 951	1849 976	9606.E NSP00 000368 190	9606.ENS P0000031 7674	0	0	0	0	0	0	0.457	0.457
PNP LA1	KLH L3	1858 207	1849 529	9606.E NSP00 000378 072	9606.ENS P0000031 2397	0	0	0	0	0	0	0.457	0.457
NRP 2	ANG PT2	1854 002	1849 738	9606.E NSP00 000353 582	9606.ENS P0000031 4897	0	0	0	0	0	0	0.457	0.457
AHN AK2	CAV 1	1853 946	1852 186	9606.E NSP00 000353 114	9606.ENS P0000033 9191	0	0	0	0	0	0	0.457	0.457
ITGA X	EPC AM	1846 012	1845 405	9606.E NSP00 000268 296	9606.ENS P0000026 3735	0	0	0	0	0	0	0.458	0.457
TUB B2B	PVA LB	1844 727	1842 563	9606.E NSP00 000259 818	9606.ENS P0000021 6200	0	0	0	0	0	0.104	0.419	0.457

HSD 11B2	MEC OM	1849 905	1845 593	9606.E NSP00 000316 786	9606.ENS P0000026 4674	0	0	0	0	0	0	0.458	0.457
PHG DH	THR B	1855 016	1853 357	9606.E NSP00 000358 417	9606.ENS P0000034 8827	0	0	0	0	0	0	0.457	0.457
CXC L9	ICA M1	1854 250	1845 628	9606.E NSP00 000354 901	9606.ENS P0000026 4832	0	0	0	0	0	0	0.457	0.457
NPH S1	TGF B1	1856 951	1842 869	9606.E NSP00 000368 190	9606.ENS P0000022 1930	0	0	0	0	0	0	0.457	0.457
HCK	ARH GDI B	1856 392	1843 176	9606.E NSP00 000365 012	9606.ENS P0000022 8945	0	0	0	0	0.142	0	0.392	0.456
GPX 2	FBP1	1857 838	1856 276	9606.E NSP00 000374 265	9606.ENS P0000036 4475	0	0	0	0	0.07	0	0.439	0.456

GPC 3	KRT 7	1858 180	1851 127	9606.E NSP00 000377 836	9606.ENS P0000032 9243	0	0	0	0	0	0	0.456	0.456
KCN MA1	HCK	1859 069	1856 392	9606.E NSP00 000385 806	9606.ENS P0000036 5012	0	0	0	0	0	0.106	0.415	0.456
CLC NKB	UMO D	1856 357	1848 826	9606.E NSP00 000364 831	9606.ENS P0000030 6279	0	0	0	0	0	0	0.456	0.456
CGN	LNX 1	1846 205	1845 438	9606.E NSP00 000271 636	9606.ENS P0000026 3925	0	0	0	0	0	0.338	0.212	0.456
MMP 1	LOX	1850 481	1843 271	9606.E NSP00 000322 788	9606.ENS P0000023 1004	0	0	0	0	0	0	0.456	0.456
HPC AL1	ATP 6V1 C2	1849 342	1846 240	9606.E NSP00 000310 749	9606.ENS P0000027 2238	0	0	0	0	0	0.11	0.414	0.456

SLC1 2A3	AQP 2	1860 326	1842 380	9606.E NSP00 000402 152	9606.ENS P0000019 9280	0	0	0	0	0	0	0.456	0.456
CDK 1	SH3P XD2 B	1858 283	1849 216	9606.E NSP00 000378 699	9606.ENS P0000030 9714	0	0	0	0	0	0.173	0.37	0.456
SLC4 7A2	ABC B1	1850 858	1845 794	9606.E NSP00 000326 671	9606.ENS P0000026 5724	0	0	0	0	0	0	0.456	0.456
POS TN	COL 5A2	1857 088	1856 195	9606.E NSP00 000369 071	9606.ENS P0000036 4000	0	0	0	0	0.112	0	0.412	0.456
VEG FA	LOX	1855 611	1843 271	9606.E NSP00 000361 125	9606.ENS P0000023 1004	0	0	0	0	0	0	0.456	0.456
VEG FA	HEY 1	1855 611	1852 090	9606.E NSP00 000361 125	9606.ENS P0000033 8272	0	0	0	0	0	0	0.456	0.456

FRA S1	NAP SA	1845 638	1844 245	9606.E NSP00 000264 895	9606.ENS P0000025 3719	0	0	0	0	0	0.17	0.371	0.455
PSM B9	GBP 2	1856 192	1855 261	9606.E NSP00 000363 993	9606.ENS P0000035 9497	0	0	0	0	0.182	0	0.361	0.455
SLIT 2	PRT G	1861 570	1857 812	9606.E NSP00 000422 591	9606.ENS P0000037 3937	0	0	0	0	0	0	0.455	0.455
CA9	MMP 9	1856 855	1855 661	9606.E NSP00 000367 608	9606.ENS P0000036 1405	0	0	0	0	0	0	0.455	0.455
GLD C	CTH	1857 365	1855 373	9606.E NSP00 000370 737	9606.ENS P0000035 9976	0	0	0	0	0.112	0	0.412	0.455
RHC G	SLC9 A2	1845 993	1843 378	9606.E NSP00 000268 122	9606.ENS P0000023 3969	0	0	0	0	0	0.11	0.412	0.455

ATP6 VOA 4	G6P C	1844 258	1844 254	9606.E NSP00 000253 856	9606.ENS P0000025 3801	0	0	0	0	0	0	0.455	0.455
PRO M2	UMO D	1850 033	1848 826	9606.E NSP00 000318 270	9606.ENS P0000030 6279	0	0	0	0	0	0	0.455	0.455
CAL U	KCN E3	1861 478	1849 309	9606.E NSP00 000420 381	9606.ENS P0000031 0557	0	0	0	0	0	0	0.455	0.455
PLK2	NDC 80	1846 372	1844 946	9606.E NSP00 000274 289	9606.ENS P0000026 1597	0	0	0	0	0.288	0.253	0.059	0.455
SLC2 A1	MT1 X	1861 219	1858 204	9606.E NSP00 000416 293	9606.ENS P0000037 7995	0	0	0	0	0	0	0.455	0.455
CTH	TYM S	1855 373	1849 803	9606.E NSP00 000359 976	9606.ENS P0000031 5644	0	0	0	0	0	0	0.454	0.454

NDC 80	KIF2 0B	1844 946	1844 820	9606.E NSP00 000261 597	9606.ENS P0000026 0753	0	0	0	0	0.278	0.163	0.169	0.454
ALB	VCA N	1847 637	1845 684	9606.E NSP00 000295 897	9606.ENS P0000026 5077	0	0	0	0	0	0	0.454	0.454
EIF4 EBP1	AGP AT9	1852 358	1845 541	9606.E NSP00 000340 691	9606.ENS P0000026 4409	0	0	0	0	0	0	0.454	0.454
MAP K10	TNF RSF1 0B	1853 804	1846 494	9606.E NSP00 000352 157	9606.ENS P0000027 6431	0	0	0	0	0	0	0.454	0.454
PTG S2	ICA M1	1854 602	1845 628	9606.E NSP00 000356 438	9606.ENS P0000026 4832	0	0	0	0	0	0	0.453	0.454
ATP1 2A	AQP 2	1842 709	1842 380	9606.E NSP00 000218 548	9606.ENS P0000019 9280	0	0	0	0	0	0	0.454	0.454

GJA1	EGF R	1846 806	1846 445	9606.E NSP00 000282 561	9606.ENS P0000027 5493	0	0	0	0	0	0	0.454	0.454
CD2	CD3 D	1855 033	1848 206	9606.E NSP00 000358 490	9606.ENS P0000030 0692	0	0	0	0	0.1	0	0.419	0.454
ACA N	VWF	1859 267	1844 904	9606.E NSP00 000387 356	9606.ENS P0000026 1405	0	0	0	0	0	0	0.454	0.454
WDR 72	PIP5 K1B	1854 020	1845 741	9606.E NSP00 000353 699	9606.ENS P0000026 5382	0	0	0	0	0	0	0.454	0.454
ERB B4	COL 1A1	1852 571	1843 064	9606.E NSP00 000342 235	9606.ENS P0000022 5964	0	0	0	0	0	0	0.454	0.454
FGF1	TGF A	1852 115	1847 571	9606.E NSP00 000338 548	9606.ENS P0000029 5400	0	0	0	0	0	0	0.454	0.454



CPA MD8	HEC W2	1860 348	1844 836	9606.E NSP00 000402 505	9606.ENS P0000026 0983	0	0	0	0	0	0	0.454	0.454
NOS 1	FLT1	1852 004	1846 791	9606.E NSP00 000337 459	9606.ENS P0000028 2397	0	0	0	0	0	0	0.453	0.453
P2R X7	GJA1	1862 216	1846 806	9606.E NSP00 000442 349	9606.ENS P0000028 2561	0	0	0	0	0	0	0.453	0.453
GZM A	CD4	1846 373	1842 167	9606.E NSP00 000274 306	9606.ENS P0000001 1653	0	0	0	0	0	0	0.453	0.453
PSM B8	STA MBP L1	1856 198	1855 577	9606.E NSP00 000364 016	9606.ENS P0000036 0992	0	0	0	0	0.114	0.304	0.185	0.453
KCN MA1	BTK	1859 069	1849 039	9606.E NSP00 000385 806	9606.ENS P0000030 8176	0	0	0	0	0	0.106	0.413	0.453

GJA1	KDR	1846 806	1845 437	9606.E NSP00 000282 561	9606.ENS P0000026 3923	0	0	0	0	0	0	0.453	0.453
PCC B	FAM 5C	1861 392	1854 598	9606.E NSP00 000419 027	9606.ENS P0000035 6432	0	0	0	0	0	0	0.453	0.453
FUT3	SELP LG	1848 747	1843 143	9606.E NSP00 000305 603	9606.ENS P0000022 8463	0	0	0	0	0	0	0.453	0.453
MAP K4	ACT G2	1858 818	1847 542	9606.E NSP00 000383 234	9606.ENS P0000029 5137	0	0	0	0	0	0.102	0.416	0.453
PRR1 5	KCN J13	1849 986	1843 369	9606.E NSP00 000317 836	9606.ENS P0000023 3826	0	0	0	0	0	0	0.453	0.453
NUS API	MEL K	1862 836	1847 923	9606.E NSP00 000453 403	9606.ENS P0000029 8048	0	0	0	0	0.117	0	0.407	0.453

XPN PEP2	PEP D	1855 403	1843 701	9606.E NSP00 000360 4137 147	9606.ENS P0000024	0	0	0	0	0	0	0.453	0.453
DPP6	CAV 1	1856 752	1852 186	9606.E NSP00 000367 001	9606.ENS P0000033 9191	0	0	0	0	0	0	0.452	0.452
KDR	HMO X1	1845 437	1842 546	9606.E NSP00 000263 923	9606.ENS P0000021 6117	0	0	0	0	0	0	0.452	0.452
BMP 7	COL 1A1	1858 342	1843 064	9606.E NSP00 000379 204	9606.ENS P0000022 5964	0	0	0	0	0	0.076	0.431	0.452
SCN N1B	NR3 C2	1852 969	1852 455	9606.E NSP00 000345 751	9606.ENS P0000034 1390	0	0	0	0	0	0	0.452	0.452
BUB 1	NCA PG	1848 415	1844 063	9606.E NSP00 000302 530	9606.ENS P0000025 1496	0	0	0	0	0.179	0	0.361	0.452

GPH N	TYM S	1861 331	1849 803	9606.E NSP00 000417 901	9606.ENS P0000031 5644	0	0	0	0	0	0	0.452	0.452
TRP M6	EGF	1854 063	1845 705	9606.E NSP00 000354 006	9606.ENS P0000026 5171	0	0	0	0	0	0	0.452	0.452
MYO 7B	KRT 7	1859 171	1851 127	9606.E NSP00 000386 461	9606.ENS P0000032 9243	0	0	0	0	0.433	0	0.074	0.452
HIST 1H2B M	WDR 76	1853 848	1845 415	9606.E NSP00 000352 442	9606.ENS P0000026 3795	0	0	0	0	0	0.452	0	0.452
SLC1 5A2	SLC7 A9	1861 264	1842 191	9606.E NSP00 000417 085	9606.ENS P0000002 3064	0	0	0	0	0	0	0.452	0.452
AXL	ACL Y	1848 254	1844 250	9606.E NSP00 000301 178	9606.ENS P0000025 3792	0	0	0	0	0	0	0.452	0.452

MYO 3B	KRT 7	1859 134	1851 127	9606.E NSP00 000386 213	9606.ENS P0000032 9243	0	0	0	0	0.433	0	0.074	0.452
CLD N16	ATP 6V0 A4	1845 612	1844 258	9606.E NSP00 000264 734	9606.ENS P0000025 3856	0	0	0	0	0	0	0.452	0.452
STR A6	FGF R2	1863 060	1860 837	9606.E NSP00 000456 609	9606.ENS P0000041 0294	0	0	0	0	0	0	0.452	0.452
KRT 7	MYO 3A	1851 127	1845 826	9606.E NSP00 000329 243	9606.ENS P0000026 5944	0	0	0	0	0.433	0	0.074	0.452
FAB P6	HAP LN1	1858 148	1846 376	9606.E NSP00 000377 549	9606.ENS P0000027 4341	0	0	0	0	0	0	0.452	0.452
SELE	SER PINE 1	1851 385	1842 959	9606.E NSP00 000331 736	9606.ENS P0000022 3095	0	0	0	0	0	0	0.452	0.452

HIST 1H2B H	ASF1 B	1853 333	1845 347	9606.E NSP00 000348 706	9606.ENS P0000026 3382	0	0	0	0	0	0.149	0.381	0.451
ASF1 B	CYP 4F2	1845 347	1842 855	9606.E NSP00 000263 382	9606.ENS P0000022 1700	0	0	0	0	0	0	0.451	0.451
NCK AP1L	DOC K10	1847 410	1844 594	9606.E NSP00 000293 373	9606.ENS P0000025 8390	0	0	0	0	0.157	0.254	0.198	0.451
KLK 7	TFC P2L1	1857 951	1845 398	9606.E NSP00 000375 683	9606.ENS P0000026 3707	0	0	0	0	0	0	0.451	0.451
CPA MD8	HAP LN1	1860 348	1846 376	9606.E NSP00 000402 505	9606.ENS P0000027 4341	0	0	0	0	0	0	0.451	0.451
SEM A5B	EPH A3	1853 557	1852 002	9606.E NSP00 000350 215	9606.ENS P0000033 7451	0	0	0	0	0	0.074	0.431	0.451

PTG S2	SEL E	1854 602	1851 385	9606.E NSP00 000356 438	9606.ENS P0000033 1736	0	0	0	0	0	0	0.451	0.451
CYP 2B6	HMO X1	1850 664	1842 546	9606.E NSP00 000324 648	9606.ENS P0000021 6117	0	0	0	0	0	0	0.451	0.451
THE MIS2	VNN 2	1856 014	1850 433	9606.E NSP00 000363 031	9606.ENS P0000032 2276	0	0	0	0	0	0	0.451	0.451
KRT 7	COR O1A	1851 127	1842 723	9606.E NSP00 000329 243	9606.ENS P0000021 9150	0	0	0	0	0.451	0	0	0.451
CDK 18	PLK 2	1861 603	1846 372	9606.E NSP00 000423 665	9606.ENS P0000027 4289	0	0	0	0.641	0.114	0.298	0.451	0.451
ASF1 B	CYP 4F3	1845 347	1842 824	9606.E NSP00 000263 382	9606.ENS P0000022 1307	0	0	0	0	0	0	0.451	0.451

NOS 1	RAC 2	1852 004	1843 949	9606.E NSP00 000337 459	9606.ENS P0000024 9071	0	0	0	0	0	0	0.45	0.45
EGF	ZDH HC2	1845 705	1845 061	9606.E NSP00 000265 171	9606.ENS P0000026 2096	0	0	0	0	0	0	0.45	0.45
TGF BI	TAC STD 2	1861 221	1855 438	9606.E NSP00 000416 330	9606.ENS P0000036 0269	0	0	0	0	0	0	0.45	0.45
ZDH HC2	GRH L2	1845 061	1844 083	9606.E NSP00 000262 096	9606.ENS P0000025 1808	0	0	0	0	0	0	0.45	0.45
WT1	SUL F1	1851 331	1844 757	9606.E NSP00 000331 327	9606.ENS P0000026 0128	0	0	0	0	0	0	0.45	0.45
CAS R	MET	1861 464	1849 944	9606.E NSP00 000420 194	9606.ENS P0000031 7272	0	0	0	0	0	0.105	0.411	0.45



GAT A3	IKZF 3	1857 010	1852 827	9606.E NSP00 000368 632	9606.ENS P0000034 4544	0	0	0	0	0	0.102	0.413	0.45
CP	LYZ	1845 575	1844 877	9606.E NSP00 000264 613	9606.ENS P0000026 1267	0	0	0	0	0	0	0.45	0.45
FGF R2	ACL Y	1860 837	1844 250	9606.E NSP00 000410 294	9606.ENS P0000025 3792	0	0	0	0	0	0	0.45	0.45
HAU S6	SPA G5	1857 235	1850 533	9606.E NSP00 000369 871	9606.ENS P0000032 3300	0	0	0	0	0	0	0.45	0.45
ANG PT2	ALB	1849 738	1847 637	9606.E NSP00 000314 897	9606.ENS P0000029 5897	0	0	0	0	0	0	0.45	0.45
NUA K2	CA8	1854 530	1849 702	9606.E NSP00 000356 125	9606.ENS P0000031 4407	0	0	0	0	0	0	0.45	0.45

CD16 3	HMO X1	1853 796	1842 546	9606.E NSP00 000352 071	9606.ENS P0000021 6117	0	0	0	0	0	0	0.45	0.45
PLE K	CCN D1	1843 395	1843 117	9606.E NSP00 000234 313	9606.ENS P0000022 7507	0	0	0	0	0	0	0.45	0.45
CEN PI	KIF1 1	1855 785	1844 817	9606.E NSP00 000362 018	9606.ENS P0000026 0731	0	0	0	0	0.427	0	0.08	0.45
ALB	EGL N3	1847 637	1844 011	9606.E NSP00 000295 897	9606.ENS P0000025 0457	0	0	0	0	0	0	0.45	0.45
CA9	SER PINE 1	1856 855	1842 959	9606.E NSP00 000367 608	9606.ENS P0000022 3095	0	0	0	0	0	0	0.45	0.45
SLC1 2A3	TRP V5	1860 326	1845 722	9606.E NSP00 000402 152	9606.ENS P0000026 5310	0	0	0	0	0	0	0.45	0.45

KIT	LYZ	1847 112	1844 877	9606.E NSP00 000288 135	9606.ENS P0000026 1267	0	0	0	0	0	0	0.45	0.45
CCN A2	KIF2 0B	1846 354	1844 820	9606.E NSP00 000274 026	9606.ENS P0000026 0753	0	0	0	0	0.159	0.104	0.329	0.45
PFKF B2	ALD OC	1854 509	1843 081	9606.E NSP00 000356 047	9606.ENS P0000022 6253	0	0	0	0	0	0	0.449	0.449
DIR AS2	DCN	1856 374	1842 218	9606.E NSP00 000364 919	9606.ENS P0000005 2754	0	0	0	0	0	0.149	0.379	0.449
CLD N8	TME M45 B	1847 039	1846 725	9606.E NSP00 000286 809	9606.ENS P0000028 1441	0	0	0	0	0	0	0.448	0.449
COL 4A1	EGF R	1856 385	1846 445	9606.E NSP00 000364 979	9606.ENS P0000027 5493	0	0	0	0	0	0	0.449	0.449

TFA P2B	ELM O1	1858 114	1849 503	9606.E NSP00 000377 265	9606.ENS P0000031 2185	0	0	0	0	0	0	0.449	0.449
TOP2 A	CEN PE	1860 923	1845 701	9606.E NSP00 000411 532	9606.ENS P0000026 5148	0	0	0	0	0.141	0	0.385	0.449
DIR AS2	LRR N2	1856 374	1854 535	9606.E NSP00 000364 919	9606.ENS P0000035 6143	0	0	0	0	0	0.149	0.379	0.448
LRR N2	RAS D1	1854 535	1843 042	9606.E NSP00 000356 143	9606.ENS P0000022 5688	0	0	0	0	0	0.149	0.379	0.448
LRR C19	RER GL	1857 142	1843 177	9606.E NSP00 000369 395	9606.ENS P0000022 9002	0	0	0	0	0	0.149	0.379	0.448
CPN 2	RER GL	1850 148	1843 177	9606.E NSP00 000319 464	9606.ENS P0000022 9002	0	0	0	0	0	0.149	0.379	0.448

RAS L11B	DCN	1843 927	1842 218	9606.E NSP00 000248 706	9606.ENS P0000005 2754	0	0	0	0	0	0.149	0.379	0.448
PBX 1	HOX D8	1860 561	1849 829	9606.E NSP00 000405 890	9606.ENS P0000031 5949	0	0	0	0	0	0.149	0.378	0.448
CPN 2	RAS D1	1850 148	1843 042	9606.E NSP00 000319 464	9606.ENS P0000022 5688	0	0	0	0	0	0.149	0.379	0.448
LRR N2	RER GL	1854 535	1843 177	9606.E NSP00 000356 143	9606.ENS P0000022 9002	0	0	0	0	0	0.149	0.379	0.448
LRR C19	RAS L11B	1857 142	1843 927	9606.E NSP00 000369 395	9606.ENS P0000024 8706	0	0	0	0	0	0.149	0.379	0.448
LRR C2	RAS L11B	1847 688	1843 927	9606.E NSP00 000296 144	9606.ENS P0000024 8706	0	0	0	0	0	0.149	0.379	0.448

LRR C19	DIR AS2	1857 142	1856 374	9606.E NSP00 000369 395	9606.ENS P0000036 4919	0	0	0	0	0	0.149	0.379	0.448
DIR AS2	CPN 2	1856 374	1850 148	9606.E NSP00 000364 919	9606.ENS P0000031 9464	0	0	0	0	0	0.149	0.379	0.448
DIR AS2	LRR C2	1856 374	1847 688	9606.E NSP00 000364 919	9606.ENS P0000029 6144	0	0	0	0	0	0.149	0.379	0.448
MCT P2	ARR DC2	1853 585	1842 896	9606.E NSP00 000350 377	9606.ENS P0000022 2250	0	0	0	0	0	0	0.448	0.448
CPN 2	RAS L11B	1850 148	1843 927	9606.E NSP00 000319 464	9606.ENS P0000024 8706	0	0	0	0	0	0.149	0.379	0.448
MYO 1F	MYO 3A	1852 870	1845 826	9606.E NSP00 000344 871	9606.ENS P0000026 5944	0	0	0	0.742	0	0	0.553	0.448

LRR C2	RER GL	1847 688	1843 177	9606.E NSP00 000296 144	9606.ENS P0000022 9002	0	0	0	0	0	0.149	0.379	0.448
LRR N1	RAS L11B	1849 739	1843 927	9606.E NSP00 000314 901	9606.ENS P0000024 8706	0	0	0	0	0	0.149	0.379	0.448
LRR N1	RAS D1	1849 739	1843 042	9606.E NSP00 000314 901	9606.ENS P0000022 5688	0	0	0	0	0	0.149	0.379	0.448
LRR N2	RAS L11B	1854 535	1843 927	9606.E NSP00 000356 143	9606.ENS P0000024 8706	0	0	0	0	0	0.149	0.379	0.448
MTH FD2	PSA T1	1858 157	1856 523	9606.E NSP00 000377 617	9606.ENS P0000036 5773	0	0	0	0	0.095	0	0.415	0.448
LRR N1	RER GL	1849 739	1843 177	9606.E NSP00 000314 901	9606.ENS P0000022 9002	0	0	0	0	0	0.149	0.379	0.448

LRR C19	RAS D1	1857 142	1843 042	9606.E NSP00 000369 395	9606.ENS P0000022 5688	0	0	0	0	0	0.149	0.379	0.448
RPS6 KA6	RER GL	1845 209	1843 177	9606.E NSP00 000262 752	9606.ENS P0000022 9002	0	0	0	0	0	0.157	0.371	0.447
ITGA X	SCA RB1	1846 012	1844 967	9606.E NSP00 000268 296	9606.ENS P0000026 1693	0	0	0	0	0	0	0.447	0.447
STK3 2A	RAS L11B	1858 546	1843 927	9606.E NSP00 000381 030	9606.ENS P0000024 8706	0	0	0	0	0	0.157	0.371	0.447
RPS6 KA6	RAS D1	1845 209	1843 042	9606.E NSP00 000262 752	9606.ENS P0000022 5688	0	0	0	0	0	0.157	0.371	0.447
SGK 2	RAS D1	1852 346	1843 042	9606.E NSP00 000340 608	9606.ENS P0000022 5688	0	0	0	0	0	0.157	0.371	0.447



RPS6 KA6	RAS L11B	1845 209	1843 927	9606.E NSP00 000262 752	9606.ENS P0000024 8706	0	0	0	0	0	0.157	0.371	0.447
FGF1 1	ERB B2	1847 442	1846 101	9606.E NSP00 000293 829	9606.ENS P0000026 9571	0	0	0	0	0	0	0.447	0.447
ERB B4	FGF1 1	1852 571	1847 442	9606.E NSP00 000342 235	9606.ENS P0000029 3829	0	0	0	0	0	0	0.447	0.447
TOP2 A	NSU N7	1860 923	1857 433	9606.E NSP00 000411 532	9606.ENS P0000037 1201	0	0	0	0	0.157	0	0.372	0.447
SLC9 A4	ATP 12A	1847 560	1842 709	9606.E NSP00 000295 269	9606.ENS P0000021 8548	0	0	0	0	0	0.116	0.4	0.447
DIR AS2	RPS6 KA6	1856 374	1845 209	9606.E NSP00 000364 919	9606.ENS P0000026 2752	0	0	0	0	0	0.157	0.371	0.447

RAP GEF3	PRK AR2 B	1857 808	1845 791	9606.E NSP00 000373 864	9606.ENS P0000026 5717	0	0	0	0.621	0	0	0.387	0.447
STK3 2A	RAS D1	1858 546	1843 042	9606.E NSP00 000381 030	9606.ENS P0000022 5688	0	0	0	0	0	0.157	0.371	0.447
MYO 1F	RAC 2	1852 870	1843 949	9606.E NSP00 000344 871	9606.ENS P0000024 9071	0	0	0	0	0	0.149	0.377	0.447
DIR AS2	SGK 2	1856 374	1852 346	9606.E NSP00 000364 919	9606.ENS P0000034 0608	0	0	0	0	0	0.157	0.371	0.447
SGK 2	RAS L11B	1852 346	1843 927	9606.E NSP00 000340 608	9606.ENS P0000024 8706	0	0	0	0	0	0.157	0.371	0.447
FOX M1	HSF4	1852 579	1845 455	9606.E NSP00 000342 307	9606.ENS P0000026 4009	0	0	0	0	0	0	0.446	0.447

STK3 2A	DIR AS2	1858 546	1856 374	9606.E NSP00 000381 030	9606.ENS P0000036 4919	0	0	0	0	0	0.157	0.371	0.447
SGK 2	RER GL	1852 346	1843 177	9606.E NSP00 000340 608	9606.ENS P0000022 9002	0	0	0	0	0	0.157	0.371	0.447
STK3 2A	RER GL	1858 546	1843 177	9606.E NSP00 000381 030	9606.ENS P0000022 9002	0	0	0	0	0	0.157	0.371	0.447
SMC 4	ESC O2	1852 454	1848 903	9606.E NSP00 000341 382	9606.ENS P0000030 6999	0	0	0	0	0.156	0.253	0.192	0.446
HIF0	HIST IH3I	1852 826	1851 162	9606.E NSP00 000344 504	9606.ENS P0000032 9554	0	0	0	0	0	0.149	0.376	0.446
PTPR C	GJA1	1854 576	1846 806	9606.E NSP00 000356 346	9606.ENS P0000028 2561	0	0	0	0	0	0	0.446	0.446

SLIT 2	SEM A6D	1861 570	1850 688	9606.E NSP00 000422 591	9606.ENS P0000032 4857	0	0	0	0	0	0	0.446	0.446
SLC1 2A1	RHC G	1857 315	1845 993	9606.E NSP00 000370 381	9606.ENS P0000026 8122	0	0	0	0	0	0	0.446	0.446
HIF0	HIST 1H3 B	1852 826	1843 731	9606.E NSP00 000344 504	9606.ENS P0000024 4661	0	0	0	0	0	0.149	0.376	0.446
CCN B2	KIF2 0B	1847 117	1844 820	9606.E NSP00 000288 207	9606.ENS P0000026 0753	0	0	0	0	0.176	0.104	0.31	0.446
CGN L1	UPK 1B	1846 718	1845 509	9606.E NSP00 000281 282	9606.ENS P0000026 4234	0	0	0	0	0	0	0.446	0.446
CDH 16	CLD N8	1848 099	1847 039	9606.E NSP00 000299 752	9606.ENS P0000028 6809	0	0	0	0	0	0	0.444	0.445

PSM B8	USP2	1856 198	1844 761	9606.E NSP00 000364 016	9606.ENS P0000026 0187	0	0	0	0	0	0.345	0.188	0.445
NUS AP1	SKA 3	1862 836	1850 147	9606.E NSP00 000453 403	9606.ENS P0000031 9417	0	0	0	0	0.142	0	0.071	0.445
PTPR C	PAG 1	1854 576	1842 793	9606.E NSP00 000356 346	9606.ENS P0000022 0597	0	0	0	0	0	0.093	0.414	0.445
SPA G5	CEN PE	1850 533	1845 701	9606.E NSP00 000323 300	9606.ENS P0000026 5148	0	0	0	0	0.168	0	0.361	0.445
PRC1	BUB 1	1858 173	1848 415	9606.E NSP00 000377 793	9606.ENS P0000030 2530	0	0	0	0	0.174	0	0.356	0.445
SCD 5	SCA RB1	1849 862	1844 967	9606.E NSP00 000316 329	9606.ENS P0000026 1693	0	0	0	0	0	0	0.445	0.445

ALD OB	ACL Y	1856 191	1844 250	9606.E NSP00 000363 988	9606.ENS P0000025 3792	0	0	0	0	0.144	0	0.377	0.444
MOX D1	GAB RA2	1854 694	1853 367	9606.E NSP00 000356 940	9606.ENS P0000034 8897	0	0	0	0	0	0	0.444	0.444
QPR T	DOC 2A	1858 293	1852 283	9606.E NSP00 000378 782	9606.ENS P0000034 0017	0	0	0	0	0	0	0.444	0.444
MYO 1F	PVA LB	1852 870	1842 563	9606.E NSP00 000344 871	9606.ENS P0000021 6200	0	0	0	0	0	0.186	0.345	0.444
TOP2 A	NUF 2	1860 923	1846 198	9606.E NSP00 000411 532	9606.ENS P0000027 1452	0	0	0	0	0.181	0	0.349	0.444
SMP DL3 A	CER KL	1854 798	1852 420	9606.E NSP00 000357 425	9606.ENS P0000034 1159	0	0	0	0	0	0	0.443	0.443

PLG	PRO C	1849 130	1843 382	9606.E NSP00 000308 938	9606.ENS P0000023 4071	0	0	0	0.711	0.272	0	0.824	0.443
TOP2 A	CDK N3	1860 923	1851 839	9606.E NSP00 000411 532	9606.ENS P0000033 5357	0	0	0	0	0.114	0	0.397	0.443
PTP N13	MAP K10	1859 831	1853 804	9606.E NSP00 000394 794	9606.ENS P0000035 2157	0	0	0	0	0	0.081	0.419	0.443
APO BEC 3B	SAM HD1	1850 922	1845 231	9606.E NSP00 000327 459	9606.ENS P0000026 2878	0	0	0	0	0	0	0.443	0.443
NUS AP1	CEP5 5	1862 836	1855 493	9606.E NSP00 000453 403	9606.ENS P0000036 0540	0	0	0	0	0.227	0	0.31	0.443
TRP M3	SCN N1A	1856 613	1853 964	9606.E NSP00 000366 314	9606.ENS P0000035 3292	0	0	0	0	0	0	0.441	0.442

ITK	KCN MA1	1860 098	1859 069	9606.E NSP00 000398 655	9606.ENS P0000038 5806	0	0	0	0	0	0.106	0.401	0.442
STK3 2A	HSF4	1858 546	1845 455	9606.E NSP00 000381 030	9606.ENS P0000026 4009	0	0	0	0	0	0.096	0.408	0.442
PRC1	PBK	1858 173	1848 348	9606.E NSP00 000377 793	9606.ENS P0000030 1905	0	0	0	0	0.181	0.102	0.303	0.442
SLC5 A2	SLC7 A13	1850 973	1847 878	9606.E NSP00 000327 943	9606.ENS P0000029 7524	0	0	0	0	0	0	0.442	0.442
TNF SF13 B	BTK	1856 399	1849 039	9606.E NSP00 000365 048	9606.ENS P0000030 8176	0	0	0	0	0	0	0.442	0.442
FLT1	ACL Y	1846 791	1844 250	9606.E NSP00 000282 397	9606.ENS P0000025 3792	0	0	0	0	0	0	0.441	0.442



PIK3 CG	SLC2 A3	1853 801	1842 244	9606.E NSP00 000352 121	9606.ENS P0000007 5120	0	0	0	0	0	0	0.442	0.442
JAK3	KCN MA1	1859 586	1859 069	9606.E NSP00 000391 676	9606.ENS P0000038 5806	0	0	0	0	0	0.106	0.401	0.442
SCN 7A	SCN N1A	1859 207	1853 964	9606.E NSP00 000386 796	9606.ENS P0000035 3292	0	0	0	0	0	0	0.165	0.442
PBK	ANL N	1848 348	1845 802	9606.E NSP00 000301 905	9606.ENS P0000026 5748	0	0	0	0	0.271	0	0.265	0.441
CCN B2	NCA PG	1847 117	1844 063	9606.E NSP00 000288 207	9606.ENS P0000025 1496	0	0	0	0	0.176	0	0.35	0.441
ERB B4	TGF B1	1852 571	1842 869	9606.E NSP00 000342 235	9606.ENS P0000022 1930	0	0	0	0	0	0.151	0.369	0.441

HMG CS2	BDH 1	1855 015	1853 648	9606.E NSP00 000358 414	9606.ENS P0000035 0914	0	0	0	0	0	0	0.441	0.441
ADH 1B	PEP D	1848 863	1843 701	9606.E NSP00 000306 606	9606.ENS P0000024 4137	0	0	0	0	0	0	0.441	0.441
PIK3 CG	GJA1	1853 801	1846 806	9606.E NSP00 000352 121	9606.ENS P0000028 2561	0	0	0	0	0	0	0.441	0.441
KCN J1	SLC1 4A2	1858 031	1844 366	9606.E NSP00 000376 432	9606.ENS P0000025 5226	0	0	0	0	0	0	0.441	0.441
CAC NA2 D2	FHIT	1861 342	1852 550	9606.E NSP00 000418 081	9606.ENS P0000034 2087	0	0	0	0	0	0	0.441	0.441
SERP INB9	GZM A	1857 270	1846 373	9606.E NSP00 000370 074	9606.ENS P0000027 4306	0.083	0	0	0	0	0	0.416	0.441

SLC2 A5	PIK3 CG	1856 683	1853 801	9606.E NSP00 000366 641	9606.ENS P0000035 2121	0	0	0	0	0	0	0.441	0.441
SLC2 A14	PIK3 CG	1858 405	1853 801	9606.E NSP00 000379 834	9606.ENS P0000035 2121	0	0	0	0	0	0	0.441	0.441
PTPR C	RAC 2	1854 576	1843 949	9606.E NSP00 000356 346	9606.ENS P0000024 9071	0	0	0	0	0.126	0.11	0.339	0.441
TPX2	CCN B2	1848 175	1847 117	9606.E NSP00 000300 403	9606.ENS P0000028 8207	0	0	0	0	0.167	0	0.357	0.441
FN1	ST8S IA4	1853 098	1843 290	9606.E NSP00 000346 839	9606.ENS P0000023 1461	0	0	0	0	0	0	0.44	0.441
SCN N1G	SLC4 1A2	1848 129	1844 620	9606.E NSP00 000300 061	9606.ENS P0000025 8538	0	0	0	0	0	0	0.44	0.44

C10o rf10	AQP 9	1847 947	1842 775	9606.E NSP00 000298 295	9606.ENS P0000021 9919	0	0	0	0	0	0	0.44	0.44
CDK 1	ASB 15	1858 283	1846 452	9606.E NSP00 000378 699	9606.ENS P0000027 5699	0	0	0	0	0	0.149	0.37	0.44
CD2	SLA MF7	1855 033	1854 715	9606.E NSP00 000358 490	9606.ENS P0000035 7022	0	0	0	0	0	0	0.44	0.44
CAL CRL	MIO X	1858 000	1842 540	9606.E NSP00 000376 177	9606.ENS P0000021 6075	0	0	0	0	0	0	0.44	0.44
PRD M16	PPA RGC 1A	1846 173	1845 634	9606.E NSP00 000270 722	9606.ENS P0000026 4867	0	0	0	0	0	0	0.44	0.44
VIM	LGA LS1	1842 995	1842 521	9606.E NSP00 000224 237	9606.ENS P0000021 5909	0	0	0	0	0.111	0	0.396	0.44

TOP2 A	UHR FIBP 1	1860 923	1842 358	9606.E NSP00 000411 532	9606.ENS P0000019 2788	0	0	0	0	0	0	0.44	0.44
CA8	PLA T	1849 702	1842 802	9606.E NSP00 000314 407	9606.ENS P0000022 0809	0	0	0	0	0	0	0.44	0.44
KL	CLC N5	1857 155	1856 432	9606.E NSP00 000369 442	9606.ENS P0000036 5256	0	0	0	0	0	0	0.44	0.44
CDK 18	ASB 15	1861 603	1846 452	9606.E NSP00 000423 665	9606.ENS P0000027 5699	0	0	0	0	0	0.149	0.37	0.44
NTN G1	EPB4 1	1855 169	1852 914	9606.E NSP00 000359 085	9606.ENS P0000034 5259	0	0	0	0	0	0	0.44	0.44
MYC	MKI 67	1856 789	1854 841	9606.E NSP00 000367 207	9606.ENS P0000035 7643	0	0	0	0	0	0	0.44	0.44

SCD	PNP LA3	1855 232	1842 557	9606.E NSP00 000359 380	9606.ENS P0000021 6180	0	0	0	0	0	0	0.44	0.44
SH3 GL2	CEP5 5	1857 254	1855 493	9606.E NSP00 000369 981	9606.ENS P0000036 0540	0	0	0	0	0	0	0.44	0.44
KCN J1	SCN N1B	1858 031	1852 969	9606.E NSP00 000376 432	9606.ENS P0000034 5751	0	0	0	0	0	0	0.44	0.44
TOP2 A	ATA D2	1860 923	1847 066	9606.E NSP00 000411 532	9606.ENS P0000028 7394	0	0	0	0	0.088	0.344	0.138	0.439
PLA U	PTG S2	1855 748	1854 602	9606.E NSP00 000361 850	9606.ENS P0000035 6438	0	0	0	0	0	0	0.439	0.439
TYM S	ACL Y	1849 803	1844 250	9606.E NSP00 000315 644	9606.ENS P0000025 3792	0	0	0	0	0.122	0	0.387	0.439

PKH D1	LGA LS1	1855 407	1842 521	9606.E NSP00 000360 158	9606.ENS P0000021 5909	0	0	0	0	0	0	0.439	0.439
EPH X2	KCN J15	1861 828	1851 380	9606.E NSP00 000430 269	9606.ENS P0000033 1698	0	0	0	0	0	0	0.439	0.439
CAS P1	ERB B2	1860 827	1846 101	9606.E NSP00 000410 076	9606.ENS P0000026 9571	0	0	0	0	0	0	0.438	0.439
TYM S	SLC2 5A4	1849 803	1846 728	9606.E NSP00 000315 644	9606.ENS P0000028 1456	0	0	0	0	0	0	0.439	0.439
HAV CR2	SCN 2A	1849 483	1846 845	9606.E NSP00 000312 002	9606.ENS P0000028 3256	0	0	0	0	0	0	0.439	0.439
CEP5 5	TPX 2	1855 493	1848 175	9606.E NSP00 000360 540	9606.ENS P0000030 0403	0	0	0	0	0.115	0	0.393	0.439

HAV CR1	SCN 2A	1852 866	1846 845	9606.E NSP00 000344 844	9606.ENS P0000028 3256	0	0	0	0	0	0	0.439	0.439
ASP M	CEN PE	1854 584	1845 701	9606.E NSP00 000356 379	9606.ENS P0000026 5148	0	0	0	0	0.272	0	0.261	0.439
BCA M	APO C1	1846 140	1844 129	9606.E NSP00 000270 233	9606.ENS P0000025 2491	0	0	0	0	0	0	0.439	0.439
GST M3	AP1 M2	1844 453	1844 001	9606.E NSP00 000256 594	9606.ENS P0000025 0244	0	0	0	0	0	0	0.439	0.439
MYB L1	SHM T2	1861 801	1851 612	9606.E NSP00 000429 633	9606.ENS P0000033 3667	0	0	0	0	0	0.309	0.222	0.439
CDK 18	PRC 1	1861 603	1858 173	9606.E NSP00 000423 665	9606.ENS P0000037 7793	0	0	0	0	0.09	0.375	0.093	0.439



SLC1 4A1	CTS H	1859 506	1842 779	9606.E NSP00 000390 637	9606.ENS P0000022 0166	0	0	0	0	0	0	0.439	0.439
NUS AP1	PLO D2	1862 836	1846 823	9606.E NSP00 000453 403	9606.ENS P0000028 2903	0	0	0	0	0	0.426	0.064	0.439
SEM A6A	PLX NC1	1852 946	1844 617	9606.E NSP00 000345 512	9606.ENS P0000025 8526	0	0	0	0	0	0	0.439	0.439
GGT 6	GPH N	1863 209	1861 331	9606.E NSP00 000458 307	9606.ENS P0000041 7901	0	0	0	0	0	0	0.439	0.439
IKZF 1	CSF1 R	1851 367	1847 002	9606.E NSP00 000331 614	9606.ENS P0000028 6301	0	0	0	0	0.065	0.08	0.401	0.439
ALD OB	CKM T2	1856 191	1844 264	9606.E NSP00 000363 988	9606.ENS P0000025 4035	0	0	0	0	0.111	0	0.395	0.439

CCL 20	SELP LG	1853 751	1843 143	9606.E NSP00 000351 671	9606.ENS P0000022 8463	0	0	0	0	0	0	0.439	0.439
MTH FD2	GMP R	1858 157	1844 718	9606.E NSP00 000377 617	9606.ENS P0000025 9727	0.15	0	0	0	0.079	0	0.34	0.438
EPH X2	LDH D	1861 828	1848 124	9606.E NSP00 000430 269	9606.ENS P0000030 0051	0	0	0	0	0	0	0.438	0.438
BUB 1	TPX 2	1848 415	1848 175	9606.E NSP00 000302 530	9606.ENS P0000030 0403	0	0	0	0	0.183	0	0.341	0.438
MYO 7B	TNF AIP6	1859 171	1843 667	9606.E NSP00 000386 461	9606.ENS P0000024 3347	0	0	0	0	0.438	0	0	0.438
RHO H	MYC	1857 435	1856 789	9606.E NSP00 000371 219	9606.ENS P0000036 7207	0	0	0	0	0	0	0.438	0.438

PRO MI	DLL 4	1861 160	1843 973	9606.E NSP00 000415 481	9606.ENS P0000024 9749	0	0	0	0	0	0	0.438	0.438
TFA P2B	KCN J15	1858 114	1851 380	9606.E NSP00 000377 265	9606.ENS P0000033 1698	0	0	0	0	0	0	0.438	0.438
CAL U	SCN N1G	1861 478	1848 129	9606.E NSP00 000420 381	9606.ENS P0000030 0061	0	0	0	0	0	0	0.438	0.438
MYO 3A	TNF AIP6	1845 826	1843 667	9606.E NSP00 000265 944	9606.ENS P0000024 3347	0	0	0	0	0.438	0	0	0.438
RIM BP2	AP1 M2	1844 959	1844 001	9606.E NSP00 000261 655	9606.ENS P0000025 0244	0	0	0	0	0	0	0.438	0.438
PBK	CCN A2	1848 348	1846 354	9606.E NSP00 000301 905	9606.ENS P0000027 4026	0	0	0	0	0.181	0.149	0.259	0.438

FER MT3	GLIP R1	1846 622	1845 890	9606.E NSP00 000279 227	9606.ENS P0000026 6659	0	0	0	0	0.072	0	0.419	0.438
SLC2 6A4	SLC9 A2	1845 790	1843 378	9606.E NSP00 000265 715	9606.ENS P0000023 3969	0	0	0	0	0	0	0.438	0.438
CKM T2	ALD OC	1844 264	1843 081	9606.E NSP00 000254 035	9606.ENS P0000022 6253	0	0	0	0	0.111	0	0.394	0.438
WT1	TCF2 1	1851 331	1843 456	9606.E NSP00 000331 327	9606.ENS P0000023 7316	0	0	0	0	0	0	0.438	0.438
BUB 1	ANL N	1848 415	1845 802	9606.E NSP00 000302 530	9606.ENS P0000026 5748	0	0	0	0	0.18	0	0.343	0.438
FKB P10	COL 1A1	1849 940	1843 064	9606.E NSP00 000317 232	9606.ENS P0000022 5964	0	0	0	0	0.157	0	0.361	0.438

VWC E	VWF	1851 689	1844 904	9606.E NSP00 000334 186	9606.ENS P0000026 1405	0	0	0	0	0	0	0.438	0.438
SLC1 4A1	ASS1	1859 506	1844 185	9606.E NSP00 000390 637	9606.ENS P0000025 3004	0	0	0	0	0	0	0.438	0.438
DPP6	KCN E3	1856 752	1849 309	9606.E NSP00 000367 001	9606.ENS P0000031 0557	0	0	0	0	0	0	0.438	0.438
MYO 3B	TNF AIP6	1859 134	1843 667	9606.E NSP00 000386 213	9606.ENS P0000024 3347	0	0	0	0	0.438	0	0	0.438
ITK	ARH GDI B	1860 098	1843 176	9606.E NSP00 000398 655	9606.ENS P0000022 8945	0	0	0	0	0	0	0.437	0.438
SPA G5	KIF1 1	1850 533	1844 817	9606.E NSP00 000323 300	9606.ENS P0000026 0731	0	0	0	0	0.114	0	0.391	0.437

SLC4 A9	SLC9 A2	1861 629	1843 378	9606.E NSP00 000424 424	9606.ENS P0000023 3969	0	0	0	0	0	0	0.437	0.437
SLC2 A14	MT1 X	1858 405	1858 204	9606.E NSP00 000379 834	9606.ENS P0000037 7995	0	0	0	0	0	0	0.437	0.437
SLC3 6A2	SLC2 6A7	1851 696	1849 184	9606.E NSP00 000334 223	9606.ENS P0000030 9504	0	0	0	0	0	0	0.437	0.437
MT1 E	SLC2 A3	1848 987	1842 244	9606.E NSP00 000307 706	9606.ENS P0000007 5120	0	0	0	0	0	0	0.437	0.437
MEL K	CCN A2	1847 923	1846 354	9606.E NSP00 000298 048	9606.ENS P0000027 4026	0	0	0	0	0.179	0.149	0.259	0.437
MMP 9	ITG AX	1855 661	1846 012	9606.E NSP00 000361 405	9606.ENS P0000026 8296	0	0	0	0	0	0	0.437	0.437

SLC1 2A3	SLC1 4A2	1860 326	1844 366	9606.E NSP00 000402 152	9606.ENS P0000025 5226	0	0	0	0	0	0	0.437	0.437
BTK	ACL Y	1849 039	1844 250	9606.E NSP00 000308 176	9606.ENS P0000025 3792	0	0	0	0	0	0	0.437	0.437
SLC2 A14	MT1 E	1858 405	1848 987	9606.E NSP00 000379 834	9606.ENS P0000030 7706	0	0	0	0	0	0	0.437	0.437
REC QL	CDK 1	1859 865	1858 283	9606.E NSP00 000395 449	9606.ENS P0000037 8699	0	0	0	0	0	0.307	0.222	0.437
TTK	CDK N3	1855 108	1851 839	9606.E NSP00 000358 813	9606.ENS P0000033 5357	0	0	0	0	0	0.287	0.243	0.437
FN1	VCA N	1853 098	1845 684	9606.E NSP00 000346 839	9606.ENS P0000026 5077	0	0	0	0	0.089	0	0.407	0.436

HMG CS2	ABC G1	1855 015	1854 276	9606.E NSP00 000358 414	9606.ENS P0000035 4995	0	0	0	0	0	0	0.436	0.436
CD18 0	PLLP	1844 437	1842 730	9606.E NSP00 000256 447	9606.ENS P0000021 9207	0	0	0	0	0	0	0.436	0.436
NUS AP1	PBK	1862 836	1848 348	9606.E NSP00 000453 403	9606.ENS P0000030 1905	0	0	0	0	0.159	0	0.358	0.436
ACA A1	ACS F2	1851 610	1848 182	9606.E NSP00 000333 664	9606.ENS P0000030 0441	0.276	0	0	0	0.079	0	0.223	0.436
SLC1 5A2	ABC B1	1861 264	1845 794	9606.E NSP00 000417 085	9606.ENS P0000026 5724	0	0	0	0	0	0	0.435	0.436
PLA G1	NCA PG	1850 746	1844 063	9606.E NSP00 000325 546	9606.ENS P0000025 1496	0	0	0	0	0	0	0.436	0.436



CLD N19	WN K4	1847 719	1843 844	9606.E NSP00 000296 387	9606.ENS P0000024 6914	0	0	0	0	0	0	0.436	0.436
CD2	CD3 E	1855 033	1854 149	9606.E NSP00 000358 490	9606.ENS P0000035 4566	0	0	0	0	0.1	0	0.398	0.435
PBK	ACL Y	1848 348	1844 250	9606.E NSP00 000301 905	9606.ENS P0000025 3792	0	0	0	0	0	0	0.435	0.435
ITK	ACL Y	1860 098	1844 250	9606.E NSP00 000398 655	9606.ENS P0000025 3792	0	0	0	0	0	0	0.435	0.435
JAK3	ACL Y	1859 586	1844 250	9606.E NSP00 000391 676	9606.ENS P0000025 3792	0	0	0	0	0	0	0.435	0.435
EPH A3	ACL Y	1852 002	1844 250	9606.E NSP00 000337 451	9606.ENS P0000025 3792	0	0	0	0	0	0	0.435	0.435

KDR	ACL Y	1845 437	1844 250	9606.E NSP00 000263 923	9606.ENS P0000025 3792	0	0	0	0	0	0	0.435	0.435
ERB B2	TIM PI	1846 101	1842 705	9606.E NSP00 000269 571	9606.ENS P0000021 8388	0	0	0	0	0	0	0.435	0.435
KIT	ACL Y	1847 112	1844 250	9606.E NSP00 000288 135	9606.ENS P0000025 3792	0	0	0	0	0	0	0.435	0.435
CSF1 R	ACL Y	1847 002	1844 250	9606.E NSP00 000286 301	9606.ENS P0000025 3792	0	0	0	0	0	0	0.435	0.435
PTG S2	SER PINE 1	1854 602	1842 959	9606.E NSP00 000356 438	9606.ENS P0000022 3095	0	0	0	0	0	0	0.434	0.435
MEL K	ACL Y	1847 923	1844 250	9606.E NSP00 000298 048	9606.ENS P0000025 3792	0	0	0	0	0	0	0.435	0.435

KIA A152 4	EGF R	1847 617	1846 445	9606.E NSP00 000295 746	9606.ENS P0000027 5493	0	0	0	0	0	0.293	0.234	0.435
COL 1A1	SER PINE 1	1843 064	1842 959	9606.E NSP00 000225 964	9606.ENS P0000022 3095	0	0	0	0	0	0	0.435	0.435
SLC2 3A1	SLC2 5A4	1848 461	1846 728	9606.E NSP00 000302 851	9606.ENS P0000028 1456	0	0	0	0	0	0	0.435	0.435
HCK	ACL Y	1856 392	1844 250	9606.E NSP00 000365 012	9606.ENS P0000025 3792	0	0	0	0	0	0	0.435	0.435
ACO T11	OXC T1	1855 460	1842 370	9606.E NSP00 000360 366	9606.ENS P0000019 6371	0.09	0	0	0	0	0	0.404	0.435
MOX D1	RRM 2	1854 694	1854 033	9606.E NSP00 000356 940	9606.ENS P0000035 3770	0	0	0	0	0.121	0	0.383	0.434

PLG	PLX NB1	1849 130	1847 728	9606.E NSP00 000308 938	9606.ENS P0000029 6440	0	0	0	0	0	0	0.434	0.434
PRC1	CEP5 5	1858 173	1855 493	9606.E NSP00 000377 793	9606.ENS P0000036 0540	0	0	0	0	0.157	0	0.357	0.434
CEP5 5	KIF1 1	1855 493	1844 817	9606.E NSP00 000360 540	9606.ENS P0000026 0731	0	0	0	0	0.237	0	0.289	0.434
CD36	KIA A010 1	1849 038	1848 123	9606.E NSP00 000308 165	9606.ENS P0000030 0035	0	0	0	0	0	0	0.434	0.434
CPA 3	KIT	1847 667	1847 112	9606.E NSP00 000296 046	9606.ENS P0000028 8135	0	0	0	0	0	0	0.434	0.434
ACA DSB	ACS F2	1854 904	1848 182	9606.E NSP00 000357 873	9606.ENS P0000030 0441	0.277	0.013	0	0	0	0	0.25	0.434

RRM 2	NCA PG	1854 033	1844 063	9606.E NSP00 000353 770	9606.ENS P0000025 1496	0	0	0	0	0.157	0	0.357	0.434
RHB G	AQP 2	1854 768	1842 380	9606.E NSP00 000357 229	9606.ENS P0000019 9280	0	0	0	0	0	0	0.434	0.434
KCN J10	GJA1	1854 726	1846 806	9606.E NSP00 000357 068	9606.ENS P0000028 2561	0	0	0	0	0	0	0.434	0.434
FN1	RAC 2	1853 098	1843 949	9606.E NSP00 000346 839	9606.ENS P0000024 9071	0	0	0	0	0	0	0.433	0.433
LDH B	PYG L	1843 197	1842 591	9606.E NSP00 000229 319	9606.ENS P0000021 6392	0	0	0	0	0.097	0	0.398	0.433
SLC2 2A7	SLC2 A12	1855 714	1846 436	9606.E NSP00 000361 666	9606.ENS P0000027 5230	0	0	0.332	0	0	0	0.187	0.433

ATA D5	ASF1 B	1849 606	1845 347	9606.E NSP00 000313 171	9606.ENS P0000026 3382	0	0	0	0	0.072	0.375	0.101	0.433
SLC1 2A3	NED D4L	1860 326	1858 810	9606.E NSP00 000402 152	9606.ENS P0000038 3199	0	0	0	0	0	0.102	0.395	0.433
TUB B2B	ENO 2	1844 727	1843 192	9606.E NSP00 000259 818	9606.ENS P0000022 9277	0	0	0	0	0	0	0.433	0.433
ERB B4	CHL 1	1852 571	1844 445	9606.E NSP00 000342 235	9606.ENS P0000025 6509	0	0	0	0	0	0.191	0.328	0.433
ALD OB	ATP 6V1 B1	1856 191	1843 400	9606.E NSP00 000363 988	9606.ENS P0000023 4396	0	0	0	0	0.275	0	0.249	0.433
KIF2 0A	RRM 2	1858 244	1854 033	9606.E NSP00 000378 356	9606.ENS P0000035 3770	0	0	0	0	0.157	0	0.355	0.433

ADH 1B	HK2	1848 863	1847 242	9606.E NSP00 000306 606	9606.ENS P0000029 0573	0	0	0	0	0	0	0.433	0.433
PBK	DLG AP5	1848 348	1843 859	9606.E NSP00 000301 905	9606.ENS P0000024 7191	0	0	0	0	0.224	0	0.3	0.433
WT1	KDR	1851 331	1845 437	9606.E NSP00 000331 327	9606.ENS P0000026 3923	0	0	0	0	0.065	0.08	0.393	0.433
SLC3 4A1	TRP V5	1850 348	1845 722	9606.E NSP00 000321 424	9606.ENS P0000026 5310	0	0	0	0	0	0	0.432	0.432
KIF1 1	CDC 6	1844 817	1842 453	9606.E NSP00 000260 731	9606.ENS P0000020 9728	0	0	0	0	0.27	0	0.254	0.432
CXC R4	ITG A4	1859 216	1858 446	9606.E NSP00 000386 884	9606.ENS P0000038 0227	0	0	0	0	0	0	0.432	0.432

PBX 1	IKZF 1	1860 561	1851 367	9606.E NSP00 000405 890	9606.ENS P0000033 1614	0	0	0	0	0	0	0.431	0.431
PRFI	CP	1849 900	1845 575	9606.E NSP00 000316 746	9606.ENS P0000026 4613	0	0	0	0	0	0	0.431	0.431
TRP V6	SCN NIG	1853 837	1848 129	9606.E NSP00 000352 358	9606.ENS P0000030 0061	0	0	0	0	0	0	0.431	0.431
CDK 1	ASF1 B	1858 283	1845 347	9606.E NSP00 000378 699	9606.ENS P0000026 3382	0	0	0	0	0.182	0.334	0	0.431
CEN PF	TPX 2	1854 480	1848 175	9606.E NSP00 000355 922	9606.ENS P0000030 0403	0	0	0	0	0.106	0	0.39	0.431
MYC	ABC B1	1856 789	1845 794	9606.E NSP00 000367 207	9606.ENS P0000026 5724	0	0	0	0	0	0.15	0.359	0.431



CSF1 R	ERB B2	1847 002	1846 101	9606.E NSP00 000286 301	9606.ENS P0000026 9571	0	0	0	0.626	0	0.149	0.891	0.431
PBX 1	MEC OM	1860 561	1845 593	9606.E NSP00 000405 890	9606.ENS P0000026 4674	0	0	0	0	0	0	0.431	0.431
MBO AT2	LPC AT1	1848 380	1846 853	9606.E NSP00 000302 177	9606.ENS P0000028 3415	0	0	0	0	0	0	0.429	0.43
KCN J10	KCN K9	1854 726	1848 378	9606.E NSP00 000357 068	9606.ENS P0000030 2166	0	0	0	0	0	0	0.43	0.43
PSA T1	CTH	1856 523	1855 373	9606.E NSP00 000365 773	9606.ENS P0000035 9976	0	0	0	0	0	0.344	0.167	0.43
CCN E2	PLK 1	1849 155	1848 135	9606.E NSP00 000309 181	9606.ENS P0000030 0093	0	0	0	0	0.146	0	0.36	0.43

SLC3 0A2	ATP 6V0 A4	1856 082	1844 258	9606.E NSP00 000363 394	9606.ENS P0000025 3856	0	0	0	0	0	0	0.43	0.43
ESR RB	ERB B2	1857 301	1846 101	9606.E NSP00 000370 270	9606.ENS P0000026 9571	0	0	0	0	0	0.149	0.358	0.43
CDC A2	PRO M2	1851 011	1850 033	9606.E NSP00 000328 228	9606.ENS P0000031 8270	0	0	0	0	0	0	0.43	0.43
EGF R	NR0 B2	1846 445	1844 279	9606.E NSP00 000275 493	9606.ENS P0000025 4227	0	0	0	0	0	0.149	0.358	0.43
CD36	SER PINE 1	1849 038	1842 959	9606.E NSP00 000308 165	9606.ENS P0000022 3095	0	0	0	0	0	0	0.429	0.43
PDH A1	HK2	1857 098	1847 242	9606.E NSP00 000369 134	9606.ENS P0000029 0573	0	0	0	0	0.112	0	0.384	0.43

EZH 2	HOX B9	1850 211	1849 176	9606.E NSP00 000320 147	9606.ENS P0000030 9439	0	0	0	0	0	0.075	0.409	0.43
SLIT 2	SIM1	1861 570	1845 239	9606.E NSP00 000422 591	9606.ENS P0000026 2901	0	0	0	0	0	0.225	0.294	0.429
ANL N	MNS 1	1845 802	1844 794	9606.E NSP00 000265 748	9606.ENS P0000026 0453	0	0	0	0	0	0	0.429	0.429
TOP2 A	MEL K	1860 923	1847 923	9606.E NSP00 000411 532	9606.ENS P0000029 8048	0	0	0	0	0.183	0	0.33	0.429
PRO DH2	ALD H8A 1	1848 253	1845 778	9606.E NSP00 000301 175	9606.ENS P0000026 5605	0.133	0	0	0	0.161	0.102	0.23	0.429
ALD H4A 1	ACS M3	1847 245	1847 172	9606.E NSP00 000290 597	9606.ENS P0000028 9416	0	0	0	0	0.169	0.094	0.302	0.429

GAB RA2	SLC3 6A2	1853 367	1851 696	9606.E NSP00 000348 897	9606.ENS P0000033 4223	0	0	0	0	0	0	0.429	0.429
CAS R	SLC4 1A2	1861 464	1844 620	9606.E NSP00 000420 194	9606.ENS P0000025 8538	0	0	0	0	0	0	0.429	0.429
RAP GEF3	AQP 9	1857 808	1842 775	9606.E NSP00 000373 864	9606.ENS P0000021 9919	0	0	0	0	0	0	0.429	0.429
HAD H	SLC2 2A12	1859 056	1856 708	9606.E NSP00 000385 638	9606.ENS P0000036 6797	0	0	0	0	0	0	0.429	0.429
TME M2	PTP RE	1856 598	1844 313	9606.E NSP00 000366 243	9606.ENS P0000025 4667	0	0	0	0	0	0	0.429	0.429
SLC3 4A1	SLC7 A9	1850 348	1842 191	9606.E NSP00 000321 424	9606.ENS P0000002 3064	0	0	0	0	0	0	0.429	0.429

FCG R2A	ITG AX	1846 197	1846 012	9606.E NSP00 000271 450	9606.ENS P0000026 8296	0	0	0	0	0	0	0.428	0.429
NNT	HSP A2	1845 588	1843 861	9606.E NSP00 000264 663	9606.ENS P0000024 7207	0	0	0	0	0	0	0.429	0.429
PRC1	TTK	1858 173	1855 108	9606.E NSP00 000377 793	9606.ENS P0000035 8813	0	0	0	0	0.236	0	0.284	0.429
PRC1	NDC 80	1858 173	1844 946	9606.E NSP00 000377 793	9606.ENS P0000026 1597	0	0	0	0	0.266	0	0.254	0.429
HIST 1H2B H	H1F0	1853 333	1852 826	9606.E NSP00 000348 706	9606.ENS P0000034 4504	0	0	0	0	0	0.077	0.405	0.428
PGF	PTG S2	1862 737	1854 602	9606.E NSP00 000451 040	9606.ENS P0000035 6438	0	0	0	0	0	0	0.428	0.428

CCD C109 B	GBP 5	1858 214	1852 319	9606.E NSP00 000378 145	9606.ENS P0000034 0396	0	0	0	0	0	0	0.428	0.428
TRI M2	TRA T1	1852 238	1847 619	9606.E NSP00 000339 659	9606.ENS P0000029 5756	0	0	0	0	0	0	0.428	0.428
EPB4 1L4B	KLH L3	1856 144	1849 529	9606.E NSP00 000363 694	9606.ENS P0000031 2397	0	0	0	0	0	0	0.428	0.428
SMC 4	HIST 1H3I	1852 454	1851 162	9606.E NSP00 000341 382	9606.ENS P0000032 9554	0	0	0	0	0	0.13	0.369	0.427
ERO 1L	OAS 2	1858 318	1852 576	9606.E NSP00 000379 042	9606.ENS P0000034 2278	0	0	0	0	0	0.354	0.15	0.427
SMC 4	HIST 1H3 B	1852 454	1843 731	9606.E NSP00 000341 382	9606.ENS P0000024 4661	0	0	0	0	0	0.13	0.369	0.427

FGF1	MMP 1	1852 115	1850 481	9606.E NSP00 000338 548	9606.ENS P0000032 2788	0	0	0	0	0	0	0.427	0.427
SLC4 8A1	SLC4 1A2	1861 193	1844 620	9606.E NSP00 000415 998	9606.ENS P0000025 8538	0	0	0	0	0	0	0.427	0.427
BMP R1B	BIRC 3	1845 568	1845 359	9606.E NSP00 000264 568	9606.ENS P0000026 3464	0	0	0	0	0	0	0.427	0.427
SUL T1C2	UGT 3A1	1850 163	1846 371	9606.E NSP00 000319 622	9606.ENS P0000027 4278	0	0	0	0	0	0	0.427	0.427
CKB	ALB	1848 031	1847 637	9606.E NSP00 000299 198	9606.ENS P0000029 5897	0	0	0	0	0	0.067	0.412	0.427
TOP2 A	BRC A2	1860 923	1857 163	9606.E NSP00 000411 532	9606.ENS P0000036 9497	0	0	0	0	0.114	0	0.38	0.427

EHF	CAS Z1	1862 015	1856 591	9606.E NSP00 000435 835	9606.ENS P0000036 6221	0	0	0	0	0	0	0.427	0.427
REC QL	PIK3 CG	1859 865	1853 801	9606.E NSP00 000395 449	9606.ENS P0000035 2121	0	0	0	0	0	0.304	0.211	0.427
KDR	PLV AP	1845 437	1844 138	9606.E NSP00 000263 923	9606.ENS P0000025 2590	0	0	0	0	0	0	0.426	0.427
TYM S	CCN B2	1849 803	1847 117	9606.E NSP00 000315 644	9606.ENS P0000028 8207	0	0	0	0	0.158	0	0.347	0.427
CDK 18	PPP1 R1A	1861 603	1844 552	9606.E NSP00 000423 665	9606.ENS P0000025 7905	0	0	0	0	0	0	0.427	0.427
SELE	CD3 6	1851 385	1849 038	9606.E NSP00 000331 736	9606.ENS P0000030 8165	0	0	0	0	0	0	0.427	0.427



PTPR C	TIM PI	1854 576	1842 705	9606.E NSP00 000356 346	9606.ENS P0000021 8388	0	0	0	0	0	0	0.427	0.427
TOP2 A	ADS SL1	1860 923	1851 543	9606.E NSP00 000411 532	9606.ENS P0000033 3019	0	0	0	0	0.115	0	0.38	0.427
COL 1A1	VIM	1843 064	1842 995	9606.E NSP00 000225 964	9606.ENS P0000022 4237	0	0	0	0	0.076	0	0.405	0.427
SLC4 A11	SLC2 6A4	1857 143	1845 790	9606.E NSP00 000369 399	9606.ENS P0000026 5715	0	0	0	0	0	0	0.426	0.426
SLC2 5A4	SLC2 A12	1846 728	1846 436	9606.E NSP00 000281 456	9606.ENS P0000027 5230	0	0	0	0	0	0.099	0.389	0.426
CD3 G	CD2	1861 876	1855 033	9606.E NSP00 000431 445	9606.ENS P0000035 8490	0	0	0	0	0.072	0	0.407	0.426

COL 8A1	DCN	1844 844	1842 218	9606.E NSP00 000261 037	9606.ENS P0000005 2754	0	0	0	0	0	0	0.14	0.426
MMP 9	ERB B4	1855 661	1852 571	9606.E NSP00 000361 405	9606.ENS P0000034 2235	0	0	0	0	0	0	0.426	0.426
ADH 6	PEP D	1858 245	1843 701	9606.E NSP00 000378 359	9606.ENS P0000024 4137	0	0	0	0	0	0	0.426	0.426
TNF AIP6	TNF AIP3	1843 667	1843 455	9606.E NSP00 000243 347	9606.ENS P0000023 7289	0	0	0	0	0	0	0.427	0.426
PLX DC1	GLIP R1	1850 597	1845 890	9606.E NSP00 000323 927	9606.ENS P0000026 6659	0	0	0	0	0	0	0.426	0.426
PRC1	CDK N3	1858 173	1851 839	9606.E NSP00 000377 793	9606.ENS P0000033 5357	0	0	0	0	0.1	0.252	0.217	0.426

PTP N22	ERB B4	1853 901	1852 571	9606.E NSP00 000352 833	9606.ENS P0000034 2235	0	0	0	0	0	0.114	0.378	0.426
CEP5 5	MEL K	1855 493	1847 923	9606.E NSP00 000360 540	9606.ENS P0000029 8048	0	0	0	0	0.144	0	0.357	0.426
DIR AS2	CPN E6	1856 374	1842 619	9606.E NSP00 000364 919	9606.ENS P0000021 6775	0	0	0	0	0	0	0.427	0.426
RAS D1	CPN E6	1843 042	1842 619	9606.E NSP00 000225 688	9606.ENS P0000021 6775	0	0	0	0	0	0	0.427	0.426
MYC	SER PINA 5	1856 789	1851 559	9606.E NSP00 000367 207	9606.ENS P0000033 3203	0	0	0	0	0	0	0.426	0.426
RAS L11B	CPN E6	1843 927	1842 619	9606.E NSP00 000248 706	9606.ENS P0000021 6775	0	0	0	0	0	0	0.427	0.426

RER GL	CPN E6	1843 177	1842 619	9606.E NSP00 000229 002	9606.ENS P0000021 6775	0	0	0	0	0	0	0.427	0.426
PRC1	CEN PF	1858 173	1854 480	9606.E NSP00 000377 793	9606.ENS P0000035 5922	0	0	0	0	0.103	0	0.387	0.426
KIF2 0A	NCA PG	1858 244	1844 063	9606.E NSP00 000378 356	9606.ENS P0000025 1496	0	0	0	0	0.178	0	0.33	0.425
CLC N5	SCN N1A	1856 432	1853 964	9606.E NSP00 000365 256	9606.ENS P0000035 3292	0	0	0	0	0	0	0.425	0.425
FOXI 1	ATP 12A	1848 621	1842 709	9606.E NSP00 000304 286	9606.ENS P0000021 8548	0	0	0	0	0	0	0.425	0.425
FGF1	TIM P1	1852 115	1842 705	9606.E NSP00 000338 548	9606.ENS P0000021 8388	0	0	0	0	0	0	0.425	0.425

CHL 1	PVA LB	1844 445	1842 563	9606.E NSP00 000256 509	9606.ENS P0000021 6200	0	0	0	0	0	0	0.425	0.425
NFA SC	ABA T	1852 857	1846 008	9606.E NSP00 000344 786	9606.ENS P0000026 8251	0	0	0	0	0	0	0.425	0.425
HIST 1H2B M	H1F0	1853 848	1852 826	9606.E NSP00 000352 442	9606.ENS P0000034 4504	0	0	0	0	0	0.077	0.402	0.425
SLC3 6A2	SLC7 A9	1851 696	1842 191	9606.E NSP00 000334 223	9606.ENS P0000002 3064	0	0	0	0	0	0	0.425	0.425
CEP5 5	CKA P2L	1855 493	1848 711	9606.E NSP00 000360 540	9606.ENS P0000030 5204	0	0	0	0	0.141	0	0.357	0.424
GLD C	KL	1857 365	1857 155	9606.E NSP00 000370 737	9606.ENS P0000036 9442	0	0	0	0	0	0	0.424	0.424

WFD C2	PRSS 8	1855 731	1850 177	9606.E NSP00 000361 761	9606.ENS P0000031 9730	0	0	0	0	0	0	0.425	0.424
GPC 3	SUL F1	1858 180	1844 757	9606.E NSP00 000377 836	9606.ENS P0000026 0128	0	0	0	0	0	0	0.424	0.424
PBK	KIF1 1	1848 348	1844 817	9606.E NSP00 000301 905	9606.ENS P0000026 0731	0	0	0	0	0.288	0	0.224	0.424
GPX 2	ERP2 7	1857 838	1845 869	9606.E NSP00 000374 265	9606.ENS P0000026 6397	0	0	0	0	0	0.199	0.311	0.424
TTK	ALB	1855 108	1847 637	9606.E NSP00 000358 813	9606.ENS P0000029 5897	0	0	0	0	0	0	0.424	0.424
TLR2	C3	1844 747	1843 781	9606.E NSP00 000260 010	9606.ENS P0000024 5907	0	0	0	0	0	0	0.424	0.424

SLC1 3A2	SLC2 2A8	1859 644	1851 983	9606.E NSP00 000392 411	9606.ENS P0000033 7335	0	0	0	0	0	0	0.424	0.424
NLG N1	CHL 1	1854 143	1844 445	9606.E NSP00 000354 541	9606.ENS P0000025 6509	0	0	0	0	0	0.084	0.397	0.424
CKA P2	KIF1 1	1856 801	1844 817	9606.E NSP00 000367 276	9606.ENS P0000026 0731	0	0	0	0	0.261	0	0.253	0.424
APO BEC 3G	TRA T1	1859 014	1847 619	9606.E NSP00 000385 057	9606.ENS P0000029 5756	0	0	0	0	0	0	0.424	0.424
CCN E2	EGL N3	1849 155	1844 011	9606.E NSP00 000309 181	9606.ENS P0000025 0457	0	0	0	0	0	0	0.423	0.423
FN1	VIM	1853 098	1842 995	9606.E NSP00 000346 839	9606.ENS P0000022 4237	0	0	0	0	0	0.081	0.398	0.423

PDH A1	SHM T2	1857 098	1851 612	9606.E NSP00 000369 134	9606.ENS P0000033 3667	0	0	0	0	0.115	0	0.375	0.423
SLC9 A3	ATP 6V1 B1	1845 649	1843 400	9606.E NSP00 000264 938	9606.ENS P0000023 4396	0	0	0	0	0	0	0.422	0.422
PRL R	ELF5	1857 467	1849 372	9606.E NSP00 000371 432	9606.ENS P0000031 1010	0	0	0	0	0	0	0.423	0.422
TEN M1	EMX 1	1860 441	1844 571	9606.E NSP00 000403 954	9606.ENS P0000025 8106	0	0	0	0	0	0	0.422	0.422
IGFB P3	EZH 2	1857 331	1850 211	9606.E NSP00 000370 473	9606.ENS P0000032 0147	0	0	0	0	0	0.341	0.16	0.422
ALD OB	PFK FB2	1856 191	1854 509	9606.E NSP00 000363 988	9606.ENS P0000035 6047	0	0	0	0	0	0	0.422	0.422



SLC4 7A2	CCD C148	1850 858	1846 841	9606.E NSP00 000326 671	9606.ENS P0000028 3233	0	0	0	0	0	0	0.422	0.422
GPH N	AGP AT9	1861 331	1845 541	9606.E NSP00 000417 901	9606.ENS P0000026 4409	0.083	0	0	0	0	0	0.396	0.422
SELE	KDR	1851 385	1845 437	9606.E NSP00 000331 736	9606.ENS P0000026 3923	0	0	0	0	0	0	0.422	0.422
TTK	ASP M	1855 108	1854 584	9606.E NSP00 000358 813	9606.ENS P0000035 6379	0	0	0	0	0.422	0	0	0.422
CYP 2B6	ABC C3	1850 664	1846 952	9606.E NSP00 000324 648	9606.ENS P0000028 5238	0	0	0	0	0	0	0.421	0.421
CAL B1	DCL K1	1845 750	1844 379	9606.E NSP00 000265 431	9606.ENS P0000025 5448	0	0	0	0	0	0.111	0.376	0.421

DCL K1	PVA LB	1844 379	1842 563	9606.E NSP00 000255 448	9606.ENS P0000021 6200	0	0	0	0	0	0.111	0.376	0.421
STK3 3	PVA LB	1850 278	1842 563	9606.E NSP00 000320 754	9606.ENS P0000021 6200	0	0	0	0	0	0.111	0.376	0.421
PNC K	CAL B1	1860 564	1845 750	9606.E NSP00 000405 950	9606.ENS P0000026 5431	0	0	0	0	0	0.111	0.376	0.421
HS6S T2	GCN T4	1861 795	1849 926	9606.E NSP00 000429 473	9606.ENS P0000031 7027	0	0	0	0	0	0	0.42	0.421
STK3 3	CAL B1	1850 278	1845 750	9606.E NSP00 000320 754	9606.ENS P0000026 5431	0	0	0	0	0	0.111	0.376	0.421
CDK 1	TPX 2	1858 283	1848 175	9606.E NSP00 000378 699	9606.ENS P0000030 0403	0	0	0	0	0.257	0	0.253	0.421

PNC K	PVA LB	1860 564	1842 563	9606.E NSP00 000405 950	9606.ENS P0000021 6200	0	0	0	0	0	0.111	0.376	0.421
CTH	CNT N3	1855 373	1845 387	9606.E NSP00 000359 976	9606.ENS P0000026 3665	0	0	0	0	0	0	0.421	0.421
TLR3	FLT1	1847 791	1846 791	9606.E NSP00 000296 795	9606.ENS P0000028 2397	0	0	0	0	0	0.1	0.383	0.421
PCK 1	CD3 6	1850 185	1849 038	9606.E NSP00 000319 814	9606.ENS P0000030 8165	0	0	0	0	0	0	0.421	0.421
HIST 1H3I	CDC 6	1851 162	1842 453	9606.E NSP00 000329 554	9606.ENS P0000020 9728	0	0	0	0	0	0.361	0.132	0.421
GRI K3	CDH 2	1855 828	1846 066	9606.E NSP00 000362 183	9606.ENS P0000026 9141	0	0	0	0	0	0	0.421	0.421

SLC9 A4	RHC G	1847 560	1845 993	9606.E NSP00 000295 269	9606.ENS P0000026 8122	0	0	0	0	0	0.11	0.376	0.421
PSM B9	STA MBP L1	1856 192	1855 577	9606.E NSP00 000363 993	9606.ENS P0000036 0992	0	0	0	0	0.164	0.304	0.086	0.421
ERB B4	CDH 2	1852 571	1846 066	9606.E NSP00 000342 235	9606.ENS P0000026 9141	0	0	0	0	0	0	0.42	0.42
KCN J1	SLC2 6A4	1858 031	1845 790	9606.E NSP00 000376 432	9606.ENS P0000026 5715	0	0	0	0	0	0	0.42	0.42
ERB B4	ALB	1852 571	1847 637	9606.E NSP00 000342 235	9606.ENS P0000029 5897	0	0	0	0	0	0	0.42	0.42
SERP INB9	TRA T1	1857 270	1847 619	9606.E NSP00 000370 074	9606.ENS P0000029 5756	0	0	0	0	0	0	0.42	0.42

KN G 1	HMO X1	1845 668	1842 546	9606.E NSP00 000265 023	9606.ENS P0000021 6117	0	0	0	0	0	0	0.42	0.42
CAL U	SLC9 A3	1861 478	1845 649	9606.E NSP00 000420 381	9606.ENS P0000026 4938	0	0	0	0	0	0	0.42	0.42
EGF R	IGFB P2	1846 445	1843 367	9606.E NSP00 000275 493	9606.ENS P0000023 3809	0	0	0	0	0	0	0.42	0.42
REC QL	DCL K1	1859 865	1844 379	9606.E NSP00 000395 449	9606.ENS P0000025 5448	0	0	0	0	0	0.305	0.201	0.42
GIT2	TNF AIP3	1853 175	1843 455	9606.E NSP00 000347 464	9606.ENS P0000023 7289	0	0	0	0	0	0.421	0	0.42
ABC A1	MMP 9	1856 172	1855 661	9606.E NSP00 000363 868	9606.ENS P0000036 1405	0	0	0	0	0	0	0.42	0.42

SHM T2	GMP R	1851 612	1844 718	9606.E NSP00 000333 667	9606.ENS P0000025 9727	0	0	0	0	0.158	0	0.34	0.42
SPA G5	CCN B2	1850 533	1847 117	9606.E NSP00 000323 300	9606.ENS P0000028 8207	0	0	0	0	0.219	0	0.288	0.42
FGF R2	MYC	1860 837	1856 789	9606.E NSP00 000410 294	9606.ENS P0000036 7207	0	0	0	0	0	0	0.42	0.42
RRM 2	BUB 1	1854 033	1848 415	9606.E NSP00 000353 770	9606.ENS P0000030 2530	0	0	0	0	0.134	0	0.358	0.42
LIPA	ACT G2	1851 986	1847 542	9606.E NSP00 000337 354	9606.ENS P0000029 5137	0	0	0	0	0	0	0.42	0.42
PTPR C	DNA SE1	1854 576	1843 845	9606.E NSP00 000356 346	9606.ENS P0000024 6949	0	0	0	0	0	0	0.421	0.42

PTG ER3	ALB	1853 383	1847 637	9606.E NSP00 000349 003	9606.ENS P0000029 5897	0	0	0	0	0	0	0.42	0.42
MYB L1	HSF4	1861 801	1845 455	9606.E NSP00 000429 633	9606.ENS P0000026 4009	0	0	0	0	0.071	0.29	0.192	0.42
DCX R	RDH 10	1848 521	1843 555	9606.E NSP00 000303 356	9606.ENS P0000024 0285	0	0	0.374	0	0	0	0.11	0.419
CIB4	CAL B1	1847 141	1845 750	9606.E NSP00 000288 861	9606.ENS P0000026 5431	0	0	0	0	0	0.106	0.377	0.419
SLC1 3A2	SUC NR1	1859 644	1854 311	9606.E NSP00 000392 411	9606.ENS P0000035 5156	0	0	0	0	0	0	0.419	0.419
PDH A1	OXC T1	1857 098	1842 370	9606.E NSP00 000369 134	9606.ENS P0000019 6371	0	0	0	0	0.072	0	0.399	0.419

SOR D	LDH B	1845 966	1843 197	9606.E NSP00 000267 814	9606.ENS P0000022 9319	0	0	0	0	0.07	0	0.401	0.419
MEL K	KIF1 1	1847 923	1844 817	9606.E NSP00 000298 048	9606.ENS P0000026 0731	0	0	0	0	0.184	0	0.317	0.419
CIB4	PVA LB	1847 141	1842 563	9606.E NSP00 000288 861	9606.ENS P0000021 6200	0	0	0	0	0	0.106	0.377	0.419
SLC4 A11	SLC4 1A2	1857 143	1844 620	9606.E NSP00 000369 399	9606.ENS P0000025 8538	0	0	0	0	0	0	0.419	0.419
CCN A2	DLG AP5	1846 354	1843 859	9606.E NSP00 000274 026	9606.ENS P0000024 7191	0	0	0	0	0.157	0	0.339	0.419
FBL N5	VCA N	1852 883	1845 684	9606.E NSP00 000345 008	9606.ENS P0000026 5077	0	0	0	0	0	0	0.418	0.418



ITGA L	CD2 7	1853 413	1845 882	9606.E NSP00 000349 252	9606.ENS P0000026 6557	0	0	0	0	0	0	0.419	0.418
NRP 2	DLL 4	1854 002	1843 973	9606.E NSP00 000353 582	9606.ENS P0000024 9749	0	0	0	0	0	0	0.418	0.418
KIF2 0A	MEL K	1858 244	1847 923	9606.E NSP00 000378 356	9606.ENS P0000029 8048	0	0	0	0	0.181	0	0.318	0.418
PTP N22	UHR F1BP 1	1853 901	1842 358	9606.E NSP00 000352 833	9606.ENS P0000019 2788	0	0	0	0	0	0	0.418	0.418
FAB P6	ABC A1	1858 148	1856 172	9606.E NSP00 000377 549	9606.ENS P0000036 3868	0	0	0	0	0	0	0.418	0.418
MYH 10	MYO 3A	1846 079	1845 826	9606.E NSP00 000269 243	9606.ENS P0000026 5944	0	0	0	0.675	0.289	0	0.578	0.418

CCL 5	TLR 2	1847 396	1844 747	9606.E NSP00 000293 272	9606.ENS P0000026 0010	0	0	0	0	0	0	0.418	0.418
TNF SF13 B	ALB	1856 399	1847 637	9606.E NSP00 000365 048	9606.ENS P0000029 5897	0	0	0	0	0	0	0.418	0.418
JAK3	GAT A3	1859 586	1857 010	9606.E NSP00 000391 676	9606.ENS P0000036 8632	0	0	0	0	0	0.074	0.398	0.418
RAS A3	PLE K	1851 795	1843 395	9606.E NSP00 000335 029	9606.ENS P0000023 4313	0	0	0	0	0	0	0.419	0.418
APB B1IP	B4G ALN T2	1856 462	1848 176	9606.E NSP00 000365 411	9606.ENS P0000030 0404	0	0	0	0	0	0	0.418	0.418
GJA1	KNG 1	1846 806	1845 668	9606.E NSP00 000282 561	9606.ENS P0000026 5023	0	0	0	0	0	0	0.419	0.418

RAP GEF3	SLC9 A3	1857 808	1845 649	9606.E NSP00 000373 864	9606.ENS P0000026 4938	0	0	0	0	0	0	0.418	0.418
SLC1 2A1	SLC7 A13	1857 315	1847 878	9606.E NSP00 000370 381	9606.ENS P0000029 7524	0	0	0	0	0	0	0.418	0.418
ICA M1	AFM	1845 628	1843 087	9606.E NSP00 000264 832	9606.ENS P0000022 6355	0	0	0	0	0	0	0.419	0.418
CA9	HILP DA	1856 855	1844 529	9606.E NSP00 000367 608	9606.ENS P0000025 7696	0	0	0	0	0	0	0.419	0.418
ARH GAP 24	CAV 1	1858 278	1852 186	9606.E NSP00 000378 611	9606.ENS P0000033 9191	0	0	0	0	0	0	0.418	0.418
PBK	NCA PG	1848 348	1844 063	9606.E NSP00 000301 905	9606.ENS P0000025 1496	0	0	0	0	0.142	0	0.35	0.418

ANK 2	GPD 1L	1853 464	1846 804	9606.E NSP00 000349 588	9606.ENS P0000028 2541	0	0	0	0	0	0	0.418	0.418
ATP1 A1	SLC9 A3	1847 591	1845 649	9606.E NSP00 000295 598	9606.ENS P0000026 4938	0	0	0	0	0	0.116	0.369	0.418
NED D4L	ELM O1	1858 810	1849 503	9606.E NSP00 000383 199	9606.ENS P0000031 2185	0	0	0	0	0	0	0.418	0.418
F11	ALB	1858 999	1847 637	9606.E NSP00 000384 957	9606.ENS P0000029 5897	0	0	0	0	0	0	0.418	0.418
DIO1	THR B	1854 177	1853 357	9606.E NSP00 000354 643	9606.ENS P0000034 8827	0	0	0	0	0	0	0.418	0.418
ITGA L	TLR 2	1853 413	1844 747	9606.E NSP00 000349 252	9606.ENS P0000026 0010	0	0	0	0	0	0	0.419	0.418

ALB	NDC 80	1847 637	1844 946	9606.E NSP00 000295 897	9606.ENS P0000026 1597	0	0	0	0	0	0	0.419	0.418
MYC	PRO C	1856 789	1843 382	9606.E NSP00 000367 207	9606.ENS P0000023 4071	0	0	0	0	0	0	0.418	0.418
ITGA L	KIT	1853 413	1847 112	9606.E NSP00 000349 252	9606.ENS P0000028 8135	0	0	0	0	0	0	0.419	0.418
CD2	CD3 6	1855 033	1849 038	9606.E NSP00 000358 490	9606.ENS P0000030 8165	0	0	0	0	0	0	0.418	0.418
KIF2 0A	SPA G5	1858 244	1850 533	9606.E NSP00 000378 356	9606.ENS P0000032 3300	0	0	0	0	0.167	0	0.33	0.418
ALB	CKM T2	1847 637	1844 264	9606.E NSP00 000295 897	9606.ENS P0000025 4035	0	0	0	0	0	0	0.419	0.418

ALO X5	ICA M1	1856 107	1845 628	9606.E NSP00 000363 512	9606.ENS P0000026 4832	0	0	0	0	0	0	0.419	0.418
ITGA 4	ALB	1858 446	1847 637	9606.E NSP00 000380 227	9606.ENS P0000029 5897	0	0	0	0	0	0	0.418	0.418
SLC2 A14	CA9	1858 405	1856 855	9606.E NSP00 000379 834	9606.ENS P0000036 7608	0	0	0	0	0	0	0.419	0.418
VCA N	LOX	1845 684	1843 271	9606.E NSP00 000265 077	9606.ENS P0000023 1004	0	0	0	0	0	0	0.419	0.418
CD36	ST8S IA4	1849 038	1843 290	9606.E NSP00 000308 165	9606.ENS P0000023 1461	0	0	0	0	0	0	0.418	0.418
SCN 2A	PVA LB	1846 845	1842 563	9606.E NSP00 000283 256	9606.ENS P0000021 6200	0	0	0	0	0	0	0.418	0.418

APO LD1	SLC1 4A2	1850 629	1844 366	9606.E NSP00 000324 277	9606.ENS P0000025 5226	0	0	0	0	0	0	0.419	0.418
HCK	CNK SR1	1856 392	1854 168	9606.E NSP00 000365 012	9606.ENS P0000035 4609	0	0	0	0	0	0	0.418	0.418
CA9	SLC2 A3	1856 855	1842 244	9606.E NSP00 000367 608	9606.ENS P0000007 5120	0	0	0	0	0	0	0.419	0.418
SLC4 A9	FGF1	1861 629	1852 115	9606.E NSP00 000424 424	9606.ENS P0000033 8548	0	0	0	0	0	0	0.419	0.418
TNN T2	KDR	1854 566	1845 437	9606.E NSP00 000356 286	9606.ENS P0000026 3923	0	0	0	0	0	0	0.418	0.418
ALB	SLC6 A3	1847 637	1846 148	9606.E NSP00 000295 897	9606.ENS P0000027 0349	0	0	0	0	0	0	0.419	0.418

ERB B4	PVA LB	1852 571	1842 563	9606.E NSP00 000342 235	9606.ENS P0000021 6200	0	0	0	0	0	0	0.418	0.418
KIF2 A	PRC 1	1859 005	1858 173	9606.E NSP00 000385 000	9606.ENS P0000037 7793	0	0	0	0	0.07	0.297	0.182	0.418
LAD 1	PTP N22	1857 966	1853 901	9606.E NSP00 000375 829	9606.ENS P0000035 2833	0	0	0	0	0	0	0.418	0.418
HMG CS2	ANG PTL4	1855 015	1848 295	9606.E NSP00 000358 414	9606.ENS P0000030 1455	0	0	0	0	0	0	0.418	0.418
KRT 7	ALB	1851 127	1847 637	9606.E NSP00 000329 243	9606.ENS P0000029 5897	0	0	0	0	0	0	0.419	0.418
MEL K	DLG AP5	1847 923	1843 859	9606.E NSP00 000298 048	9606.ENS P0000024 7191	0	0	0	0	0.141	0	0.35	0.417



LRR N1	PLLP	1849 739	1842 730	9606.E NSP00 000314 901	9606.ENS P0000021 9207	0	0	0	0	0	0	0.417	0.417
MYC	PTG S2	1856 789	1854 602	9606.E NSP00 000367 207	9606.ENS P0000035 6438	0	0	0	0	0	0	0.417	0.417
ASP M	ANL N	1854 584	1845 802	9606.E NSP00 000356 379	9606.ENS P0000026 5748	0	0	0	0	0.255	0	0.25	0.417
C1Q B	CD5 3	1849 670	1846 188	9606.E NSP00 000313 967	9606.ENS P0000027 1324	0	0	0	0	0.172	0	0.325	0.417
PBX 1	DAC H1	1860 561	1848 693	9606.E NSP00 000405 890	9606.ENS P0000030 4994	0	0	0	0	0	0	0.417	0.417
CEN PI	HIST 1H3 B	1855 785	1843 731	9606.E NSP00 000362 018	9606.ENS P0000024 4661	0	0	0	0	0	0.301	0.201	0.417

PTG S2	KDR	1854 602	1845 437	9606.E NSP00 000356 438	9606.ENS P0000026 3923	0	0	0	0	0	0	0.417	0.417
CEN PI	HIST 1H3I	1855 785	1851 162	9606.E NSP00 000362 018	9606.ENS P0000032 9554	0	0	0	0	0	0.301	0.201	0.417
SLC2 2A6	SLC2 A12	1856 766	1846 436	9606.E NSP00 000367 102	9606.ENS P0000027 5230	0	0	0.311	0	0	0	0.188	0.417
LCP1	MYH 10	1849 816	1846 079	9606.E NSP00 000315 757	9606.ENS P0000026 9243	0	0	0	0	0	0.105	0.375	0.417
CAL CRL	GPR 65	1858 000	1845 954	9606.E NSP00 000376 177	9606.ENS P0000026 7549	0	0	0	0	0	0	0.417	0.417
CDC A7L	RAS A3	1858 889	1851 795	9606.E NSP00 000383 986	9606.ENS P0000033 5029	0	0	0	0	0	0	0.416	0.417

PTPR C	CD3 7	1854 576	1850 765	9606.E NSP00 000356 346	9606.ENS P0000032 5708	0	0	0	0	0.103	0	0.377	0.417
PLK2	RAS L11B	1846 372	1843 927	9606.E NSP00 000274 289	9606.ENS P0000024 8706	0	0	0	0	0	0.183	0.316	0.417
PGF	PRO M1	1862 737	1861 160	9606.E NSP00 000451 040	9606.ENS P0000041 5481	0	0	0	0	0	0	0.416	0.416
CCN D1	HMO X1	1843 117	1842 546	9606.E NSP00 000227 507	9606.ENS P0000021 6117	0	0	0	0	0	0	0.417	0.416
MMP 9	BIRC 3	1855 661	1845 359	9606.E NSP00 000361 405	9606.ENS P0000026 3464	0	0	0	0	0	0	0.416	0.416
SELE	ALB	1851 385	1847 637	9606.E NSP00 000331 736	9606.ENS P0000029 5897	0	0	0	0	0	0	0.417	0.416

ACS M3	ALD H8A 1	1847 172	1845 778	9606.E NSP00 000289 416	9606.ENS P0000026 5605	0	0	0	0	0.169	0.102	0.281	0.416
PRSS 8	PRR 15L	1850 177	1848 189	9606.E NSP00 000319 730	9606.ENS P0000030 0557	0	0	0	0	0	0	0.416	0.416
CDC A7L	CDC 6	1858 889	1842 453	9606.E NSP00 000383 986	9606.ENS P0000020 9728	0	0	0	0	0.072	0.384	0.061	0.416
HSP B8	HSF4	1846 754	1845 455	9606.E NSP00 000281 938	9606.ENS P0000026 4009	0	0	0	0	0	0	0.416	0.416
ERB B2	ICA M1	1846 101	1845 628	9606.E NSP00 000269 571	9606.ENS P0000026 4832	0	0	0	0	0	0	0.416	0.416
KCN J1	SLC9 A2	1858 031	1843 378	9606.E NSP00 000376 432	9606.ENS P0000023 3969	0	0	0	0	0	0	0.417	0.416

PTG S2	GJA1	1854 602	1846 806	9606.E NSP00 000356 438	9606.ENS P0000028 2561	0	0	0	0	0	0	0.416	0.416
ITGA L	VWF	1853 413	1844 904	9606.E NSP00 000349 252	9606.ENS P0000026 1405	0	0	0	0	0	0	0.416	0.416
ANG PT2	SER PINE 1	1849 738	1842 959	9606.E NSP00 000314 897	9606.ENS P0000022 3095	0	0	0	0	0	0	0.417	0.416
TME M207	CLD N16	1853 113	1845 612	9606.E NSP00 000346 981	9606.ENS P0000026 4734	0	0	0	0	0	0	0.417	0.416
NRP 2	ST8S IA4	1854 002	1843 290	9606.E NSP00 000353 582	9606.ENS P0000023 1461	0	0	0	0	0	0	0.417	0.416
CR2	ITG AX	1854 505	1846 012	9606.E NSP00 000356 024	9606.ENS P0000026 8296	0	0	0	0	0	0	0.417	0.416

MMP 1	ANG PT2	1850 481	1849 738	9606.E NSP00 000322 788	9606.ENS P0000031 4897	0	0	0	0	0	0	0.416	0.416
ITGA 4	CD2	1858 446	1855 033	9606.E NSP00 000380 227	9606.ENS P0000035 8490	0	0	0	0	0	0	0.416	0.416
CD36	TGF B1	1849 038	1842 869	9606.E NSP00 000308 165	9606.ENS P0000022 1930	0	0	0	0	0	0	0.416	0.416
ALB	SAM HD1	1847 637	1845 231	9606.E NSP00 000295 897	9606.ENS P0000026 2878	0	0	0	0	0	0	0.416	0.416
WT1	FLT1	1851 331	1846 791	9606.E NSP00 000331 327	9606.ENS P0000028 2397	0	0	0	0	0.065	0.08	0.376	0.416
ANL N	NCA PG	1845 802	1844 063	9606.E NSP00 000265 748	9606.ENS P0000025 1496	0	0	0	0	0.151	0	0.34	0.416

ARH GAP 24	DOC K10	1858 278	1844 594	9606.E NSP00 000378 611	9606.ENS P0000025 8390	0	0	0	0	0	0	0.416	0.416
PRO M1	CCN D1	1861 160	1843 117	9606.E NSP00 000415 481	9606.ENS P0000022 7507	0	0	0	0	0	0	0.416	0.416
APB B1IP	LCP2	1856 462	1842 217	9606.E NSP00 000365 411	9606.ENS P0000004 6794	0	0	0	0	0	0	0.416	0.416
KCN MA1	SCN N1A	1859 069	1853 964	9606.E NSP00 000385 806	9606.ENS P0000035 3292	0	0	0	0	0	0	0.416	0.416
LDH D	ACT G2	1848 124	1847 542	9606.E NSP00 000300 051	9606.ENS P0000029 5137	0	0	0	0	0	0.11	0.371	0.416
KIT	PLE K	1847 112	1843 395	9606.E NSP00 000288 135	9606.ENS P0000023 4313	0	0	0	0	0	0	0.417	0.416

MEL K	BUB 1B	1847 923	1847 075	9606.E NSP00 000298 048	9606.ENS P0000028 7598	0	0	0	0	0.144	0	0.346	0.416
CD86	TGF B1	1851 423	1842 869	9606.E NSP00 000332 049	9606.ENS P0000022 1930	0	0	0	0	0	0	0.417	0.416
MMP 1	MET	1850 481	1849 944	9606.E NSP00 000322 788	9606.ENS P0000031 7272	0	0	0	0	0	0	0.416	0.416
PLA U	MMP 1	1855 748	1850 481	9606.E NSP00 000361 850	9606.ENS P0000032 2788	0	0	0	0	0	0	0.416	0.416
CD36	CD4	1849 038	1842 167	9606.E NSP00 000308 165	9606.ENS P0000001 1653	0	0	0	0	0	0	0.417	0.416
PGF	TIM P1	1862 737	1842 705	9606.E NSP00 000451 040	9606.ENS P0000021 8388	0	0	0	0	0	0	0.416	0.416



SLC1 2A1	TGF A	1857 315	1847 571	9606.E NSP00 000370 381	9606.ENS P0000029 5400	0	0	0	0	0	0	0.415	0.416
CXC L13	CCL 18	1847 033	1842 123	9606.E NSP00 000286 758	9606.ENS P0000000 4921	0	0	0	0	0	0	0.416	0.416
CCN D1	TIM P1	1843 117	1842 705	9606.E NSP00 000227 507	9606.ENS P0000021 8388	0	0	0	0	0	0	0.416	0.416
HAV CR1	EPC AM	1852 866	1845 405	9606.E NSP00 000344 844	9606.ENS P0000026 3735	0	0	0	0	0	0	0.417	0.416
CD2	ALB	1855 033	1847 637	9606.E NSP00 000358 490	9606.ENS P0000029 5897	0	0	0	0	0	0	0.417	0.416
FHIT	ERB B2	1852 550	1846 101	9606.E NSP00 000342 087	9606.ENS P0000026 9571	0	0	0	0	0	0	0.417	0.416

PLG	DCN	1849 130	1842 218	9606.E NSP00 000308 938	9606.ENS P0000005 2754	0	0	0	0	0	0	0.416	0.416
SLC2 A5	PPA RGC 1A	1856 683	1845 634	9606.E NSP00 000366 641	9606.ENS P0000026 4867	0	0	0	0	0	0	0.415	0.416
NAP 1L2	HIST 1H2 BH	1855 924	1853 333	9606.E NSP00 000362 616	9606.ENS P0000034 8706	0	0	0	0	0.095	0.293	0.161	0.416
FAS	TGF B1	1853 242	1842 869	9606.E NSP00 000347 979	9606.ENS P0000022 1930	0	0	0	0	0	0	0.417	0.416
ALB	CAV 2	1847 637	1842 935	9606.E NSP00 000295 897	9606.ENS P0000022 2693	0	0	0	0	0	0	0.417	0.416
MYC	FLT1	1856 789	1846 791	9606.E NSP00 000367 207	9606.ENS P0000028 2397	0	0	0	0	0	0	0.416	0.416

FGF R2	CDH 2	1860 837	1846 066	9606.E NSP00 000410 294	9606.ENS P0000026 9141	0	0	0	0	0	0	0.417	0.416
NAP 1L2	HIST 1H2 BM	1855 924	1853 848	9606.E NSP00 000362 616	9606.ENS P0000035 2442	0	0	0	0	0.095	0.293	0.161	0.416
TLR3	ALB	1847 791	1847 637	9606.E NSP00 000296 795	9606.ENS P0000029 5897	0	0	0	0	0	0	0.417	0.416
FGF R2	WT1	1860 837	1851 331	9606.E NSP00 000410 294	9606.ENS P0000033 1327	0	0	0	0	0.065	0.08	0.376	0.416
HK2	GPD 1L	1847 242	1846 804	9606.E NSP00 000290 573	9606.ENS P0000028 2541	0	0	0	0	0.102	0	0.376	0.415
GCM 1	IL2R B	1844 724	1842 567	9606.E NSP00 000259 803	9606.ENS P0000021 6223	0	0	0	0	0	0	0.414	0.415

LDH B	PCK 2	1843 197	1842 620	9606.E NSP00 000229 319	9606.ENS P0000021 6780	0	0	0	0	0	0	0.415	0.415
TYM S	PLK 1	1849 803	1848 135	9606.E NSP00 000315 644	9606.ENS P0000030 0093	0	0	0	0	0.267	0	0.235	0.415
PTPR D	ERB B4	1853 352	1852 571	9606.E NSP00 000348 812	9606.ENS P0000034 2235	0	0	0	0	0	0.114	0.367	0.415
SLC1 5A2	SLC1 5A4	1861 264	1845 905	9606.E NSP00 000417 085	9606.ENS P0000026 6771	0	0	0.458	0.645	0	0	0.794	0.415
GLD C	FRE M2	1857 365	1846 671	9606.E NSP00 000370 737	9606.ENS P0000028 0481	0	0	0	0	0	0	0.415	0.415
SLC1 3A2	AQP 9	1859 644	1842 775	9606.E NSP00 000392 411	9606.ENS P0000021 9919	0	0	0	0	0	0	0.415	0.415

SLC2 2A12	FLT1	1856 708	1846 791	9606.E NSP00 000366 797	9606.ENS P0000028 2397	0	0	0	0	0	0	0.415	0.415
FCG R3A	TYR OBP	1854 695	1845 185	9606.E NSP00 000356 946	9606.ENS P0000026 2629	0	0	0	0	0.133	0	0.353	0.415
RAS L11B	TGF B1	1843 927	1842 869	9606.E NSP00 000248 706	9606.ENS P0000022 1930	0	0	0	0	0	0.063	0.402	0.415
TTK	DLG AP5	1855 108	1843 859	9606.E NSP00 000358 813	9606.ENS P0000024 7191	0	0	0	0	0.259	0	0.243	0.415
ANL N	CEN PE	1845 802	1845 701	9606.E NSP00 000265 748	9606.ENS P0000026 5148	0	0	0	0	0.112	0	0.368	0.415
IGFB P3	MYC	1857 331	1856 789	9606.E NSP00 000370 473	9606.ENS P0000036 7207	0	0	0	0	0	0	0.414	0.414

ABC A1	PLIN 2	1856 172	1846 518	9606.E NSP00 000363 868	9606.ENS P0000027 6914	0	0	0	0	0	0	0.414	0.414
CTSS	ATP 12A	1854 929	1842 709	9606.E NSP00 000357 981	9606.ENS P0000021 8548	0	0	0	0	0	0	0.414	0.414
BMP 7	DCN	1858 342	1842 218	9606.E NSP00 000379 204	9606.ENS P0000005 2754	0	0	0	0	0	0	0.414	0.414
POS TN	LOX	1857 088	1843 271	9606.E NSP00 000369 071	9606.ENS P0000023 1004	0	0	0	0	0	0	0.414	0.414
TLR7	CD3 6	1857 265	1849 038	9606.E NSP00 000370 034	9606.ENS P0000030 8165	0	0	0	0	0	0	0.415	0.414
CA9	MYC	1856 855	1856 789	9606.E NSP00 000367 608	9606.ENS P0000036 7207	0	0	0	0	0	0	0.414	0.414

ALB	LGA LS1	1847 637	1842 521	9606.E NSP00 000295 897	9606.ENS P0000021 5909	0	0	0	0	0	0	0.415	0.414
HCK	PLE K	1856 392	1843 395	9606.E NSP00 000365 012	9606.ENS P0000023 4313	0	0	0	0	0	0	0.414	0.414
BDH 1	BRIP 1	1853 648	1844 657	9606.E NSP00 000350 914	9606.ENS P0000025 9008	0	0	0	0	0	0	0.415	0.414
EGF R	PVA LB	1846 445	1842 563	9606.E NSP00 000275 493	9606.ENS P0000021 6200	0	0	0	0	0	0	0.415	0.414
PTG ER3	EGF R	1853 383	1846 445	9606.E NSP00 000349 003	9606.ENS P0000027 5493	0	0	0	0	0	0	0.414	0.414
WLS	ALB	1853 097	1847 637	9606.E NSP00 000346 829	9606.ENS P0000029 5897	0	0	0	0	0	0	0.415	0.414

TBC 1D4	SMC 4	1856 719	1852 454	9606.E NSP00 000366 863	9606.ENS P0000034 1382	0	0	0	0	0	0.415	0	0.414
B4G ALN T2	ZDH HC2	1848 176	1845 061	9606.E NSP00 000300 404	9606.ENS P0000026 2096	0	0	0	0	0	0	0.414	0.414
CP	AFM	1845 575	1843 087	9606.E NSP00 000264 613	9606.ENS P0000022 6355	0	0	0	0	0	0	0.415	0.414
SLC1 2A1	SCN N1B	1857 315	1852 969	9606.E NSP00 000370 381	9606.ENS P0000034 5751	0	0	0	0	0	0	0.414	0.414
SLC2 6A7	AQP 2	1849 184	1842 380	9606.E NSP00 000309 504	9606.ENS P0000019 9280	0	0	0	0	0	0	0.414	0.414
GPX 2	ALB	1857 838	1847 637	9606.E NSP00 000374 265	9606.ENS P0000029 5897	0	0	0	0	0	0	0.415	0.414



SPA G4	TME M45 A	1856 080	1850 107	9606.E NSP00 000363 391	9606.ENS P0000031 9009	0	0	0	0	0	0	0.415	0.414
FLT1	HMO X1	1846 791	1842 546	9606.E NSP00 000282 397	9606.ENS P0000021 6117	0	0	0	0	0	0	0.415	0.414
BMP 7	SER PINE 1	1858 342	1842 959	9606.E NSP00 000379 204	9606.ENS P0000022 3095	0	0	0	0	0	0	0.415	0.414
CD16 3	CD8 6	1853 796	1851 423	9606.E NSP00 000352 071	9606.ENS P0000033 2049	0	0	0	0	0	0	0.414	0.414
HCK	PAG 1	1856 392	1842 793	9606.E NSP00 000365 012	9606.ENS P0000022 0597	0	0	0	0	0	0	0.414	0.414
DCX R	TNF RSF1 0B	1848 521	1846 494	9606.E NSP00 000303 356	9606.ENS P0000027 6431	0	0	0	0	0	0	0.415	0.414

PRD M1	PTP RC	1854 949	1854 576	9606.E NSP00 000358 092	9606.ENS P0000035 6346	0	0	0	0	0	0	0.415	0.414
TDG F1	TGF B1	1847 689	1842 869	9606.E NSP00 000296 145	9606.ENS P0000022 1930	0	0	0	0	0	0	0.414	0.414
NR3 C2	ALB	1852 455	1847 637	9606.E NSP00 000341 390	9606.ENS P0000029 5897	0	0	0	0	0	0	0.415	0.414
CCL 20	ICA M1	1853 751	1845 628	9606.E NSP00 000351 671	9606.ENS P0000026 4832	0	0	0	0	0	0	0.414	0.414
PLO D2	LOX	1846 823	1843 271	9606.E NSP00 000282 903	9606.ENS P0000023 1004	0	0	0	0	0	0	0.414	0.414
CA9	CYP 24A1	1856 855	1842 627	9606.E NSP00 000367 608	9606.ENS P0000021 6862	0	0	0	0	0	0	0.414	0.414

CD36	CSF1 R	1849 038	1847 002	9606.E NSP00 000308 165	9606.ENS P0000028 6301	0	0	0	0	0	0	0.415	0.414
SLC6 A3	PVA LB	1846 148	1842 563	9606.E NSP00 000270 349	9606.ENS P0000021 6200	0	0	0	0	0	0	0.414	0.414
CHG B	MB2 1D1	1856 957	1855 219	9606.E NSP00 000368 244	9606.ENS P0000035 9339	0	0	0	0	0	0	0.414	0.414
CDH 2	TIM P1	1846 066	1842 705	9606.E NSP00 000269 141	9606.ENS P0000021 8388	0	0	0	0	0	0	0.414	0.414
FAS	APO L1	1853 242	1849 976	9606.E NSP00 000347 979	9606.ENS P0000031 7674	0	0	0	0	0	0	0.414	0.414
ICA M1	SELP LG	1845 628	1843 143	9606.E NSP00 000264 832	9606.ENS P0000022 8463	0	0	0	0	0	0	0.414	0.414

CSF1 R	APO C1	1847 002	1844 129	9606.E NSP00 000286 301	9606.ENS P0000025 2491	0	0	0	0	0	0	0.415	0.414
TBX AS1	FER MT3	1859 424	1846 622	9606.E NSP00 000389 414	9606.ENS P0000027 9227	0	0	0	0	0	0	0.414	0.414
LYP D6B	ERB B2	1859 236	1846 101	9606.E NSP00 000387 077	9606.ENS P0000026 9571	0	0	0	0	0	0	0.414	0.414
GJA1	CCN D1	1846 806	1843 117	9606.E NSP00 000282 561	9606.ENS P0000022 7507	0	0	0	0	0	0	0.415	0.414
APB B1IP	EGF	1856 462	1845 705	9606.E NSP00 000365 411	9606.ENS P0000026 5171	0	0	0	0	0	0	0.414	0.414
CLD N16	AQP 2	1845 612	1842 380	9606.E NSP00 000264 734	9606.ENS P0000019 9280	0	0	0	0	0	0	0.414	0.414

GP2	ERB B2	1857 371	1846 101	9606.E NSP00 000370 767	9606.ENS P0000026 9571	0	0	0	0	0	0	0.415	0.414
HMG CS2	PCK 2	1855 015	1842 620	9606.E NSP00 000358 414	9606.ENS P0000021 6780	0	0	0	0	0	0	0.414	0.414
HAD H	NDC 80	1859 056	1844 946	9606.E NSP00 000385 638	9606.ENS P0000026 1597	0	0	0	0	0	0	0.415	0.414
O3F AR1	ALD H4A 1	1855 492	1847 245	9606.E NSP00 000360 538	9606.ENS P0000029 0597	0	0	0	0	0	0	0.414	0.414
ACA N	PTP RC	1859 267	1854 576	9606.E NSP00 000387 356	9606.ENS P0000035 6346	0	0	0	0	0	0	0.415	0.414
FN1	ICA M1	1853 098	1845 628	9606.E NSP00 000346 839	9606.ENS P0000026 4832	0	0	0	0	0	0	0.414	0.414

VWF	DCN	1844 904	1842 218	9606.E NSP00 000261 405	9606.ENS P0000005 2754	0	0	0	0	0	0	0.414	0.414
CD36	ANG PTL4	1849 038	1848 295	9606.E NSP00 000308 165	9606.ENS P0000030 1455	0	0	0	0	0	0	0.414	0.414
PSM B8	GBP 2	1856 198	1855 261	9606.E NSP00 000364 016	9606.ENS P0000035 9497	0	0	0	0	0.163	0	0.328	0.414
CAL U	CYP 4F2	1861 478	1842 855	9606.E NSP00 000420 381	9606.ENS P0000022 1700	0	0	0	0	0	0	0.414	0.414
ARL 4D	CCD C102 B	1850 470	1849 857	9606.E NSP00 000322 628	9606.ENS P0000031 6237	0	0	0	0	0	0.415	0	0.414
FGF1	ANG PT2	1852 115	1849 738	9606.E NSP00 000338 548	9606.ENS P0000031 4897	0	0	0	0	0	0	0.414	0.414

LLG L2	FAM 190A	1858 019	1851 155	9606.E NSP00 000376 333	9606.ENS P0000032 9482	0	0	0	0	0	0	0.414	0.414
CD36	HRG	1849 038	1843 307	9606.E NSP00 000308 165	9606.ENS P0000023 2003	0	0	0	0	0	0	0.414	0.414
ERB B2	PLE K	1846 101	1843 395	9606.E NSP00 000269 571	9606.ENS P0000023 4313	0	0	0	0	0	0	0.415	0.414
KCN E3	KCN J13	1849 309	1843 369	9606.E NSP00 000310 557	9606.ENS P0000023 3826	0	0	0	0	0	0	0.413	0.413
ESC O2	PBK	1848 903	1848 348	9606.E NSP00 000306 999	9606.ENS P0000030 1905	0	0	0	0	0.281	0.097	0.169	0.413
SMC 4	CDK N3	1852 454	1851 839	9606.E NSP00 000341 382	9606.ENS P0000033 5357	0	0	0	0	0	0.297	0.199	0.413

BUB 1B	KIF2 0B	1847 075	1844 820	9606.E NSP00 000287 598	9606.ENS P0000026 0753	0	0	0	0	0.113	0.224	0.216	0.413
PTG S2	TIM P1	1854 602	1842 705	9606.E NSP00 000356 438	9606.ENS P0000021 8388	0	0	0	0	0	0	0.413	0.413
CDK 1	MAG I3	1858 283	1848 655	9606.E NSP00 000378 699	9606.ENS P0000030 4604	0	0	0	0	0	0.089	0.382	0.413
CDK 18	MAG I3	1861 603	1848 655	9606.E NSP00 000423 665	9606.ENS P0000030 4604	0	0	0	0	0	0.089	0.382	0.413
ITK	CNK SR1	1860 098	1854 168	9606.E NSP00 000398 655	9606.ENS P0000035 4609	0	0	0	0	0	0	0.413	0.413
SCN N1A	TRP V5	1853 964	1845 722	9606.E NSP00 000353 292	9606.ENS P0000026 5310	0	0	0	0	0	0	0.413	0.413



NTN G1	EPH A3	1855 169	1852 002	9606.E NSP00 000359 085	9606.ENS P0000033 7451	0	0	0	0	0	0	0.412	0.413
RIM KLA	ACL Y	1861 077	1844 250	9606.E NSP00 000414 330	9606.ENS P0000025 3792	0.083	0	0	0	0	0	0.386	0.413
MYC	HCK	1856 789	1856 392	9606.E NSP00 000367 207	9606.ENS P0000036 5012	0	0	0	0	0	0.167	0.325	0.413
KIT	TLR 2	1847 112	1844 747	9606.E NSP00 000288 135	9606.ENS P0000026 0010	0	0	0	0	0	0.1	0.374	0.413
ALB	RAC 2	1847 637	1843 949	9606.E NSP00 000295 897	9606.ENS P0000024 9071	0	0	0	0	0	0	0.413	0.412
ESR RB	MYC	1857 301	1856 789	9606.E NSP00 000370 270	9606.ENS P0000036 7207	0	0	0	0	0	0	0.413	0.412

KCN J1	KCN K9	1858 031	1848 378	9606.E NSP00 000376 432	9606.ENS P0000030 2166	0	0	0	0	0	0	0.413	0.412
PTG S2	MMP 1	1854 602	1850 481	9606.E NSP00 000356 438	9606.ENS P0000032 2788	0	0	0	0	0	0	0.413	0.412
CSF1 R	TGF B1	1847 002	1842 869	9606.E NSP00 000286 301	9606.ENS P0000022 1930	0	0	0	0	0	0.089	0.381	0.412
RAP GEF3	ALB	1857 808	1847 637	9606.E NSP00 000373 864	9606.ENS P0000029 5897	0	0	0	0	0	0	0.413	0.412
KN G1	KDR	1845 668	1845 437	9606.E NSP00 000265 023	9606.ENS P0000026 3923	0	0	0	0	0	0	0.413	0.412
EN AM	SEL E	1858 362	1851 385	9606.E NSP00 000379 383	9606.ENS P0000033 1736	0	0	0	0	0	0	0.412	0.412

MYC	TIM P1	1856 789	1842 705	9606.E NSP00 000367 207	9606.ENS P0000021 8388	0	0	0	0	0	0	0.413	0.412
CR2	CD1 63	1854 505	1853 796	9606.E NSP00 000356 024	9606.ENS P0000035 2071	0	0	0	0	0	0	0.413	0.412
IL2R A	CD2 7	1857 121	1845 882	9606.E NSP00 000369 293	9606.ENS P0000026 6557	0	0	0	0	0	0	0.413	0.412
GAT A3	PRD M1	1857 010	1854 949	9606.E NSP00 000368 632	9606.ENS P0000035 8092	0	0	0	0	0	0	0.412	0.412
FGF1	PLG	1852 115	1849 130	9606.E NSP00 000338 548	9606.ENS P0000030 8938	0	0	0	0	0	0	0.413	0.412
NUF 2	NCA PG	1846 198	1844 063	9606.E NSP00 000271 452	9606.ENS P0000025 1496	0	0	0	0	0.193	0	0.302	0.412

CCD C102 B	SAM D12	1849 857	1849 689	9606.E NSP00 000316 237	9606.ENS P0000031 4173	0	0	0	0	0	0	0.413	0.412
JAK3	ALB	1859 586	1847 637	9606.E NSP00 000391 676	9606.ENS P0000029 5897	0	0	0	0	0	0	0.413	0.412
SLC2 A5	SLC2 A12	1856 683	1846 436	9606.E NSP00 000366 641	9606.ENS P0000027 5230	0	0	0.526	0.659	0	0	0.771	0.412
ADH FE1	ALD H8A 1	1858 409	1845 778	9606.E NSP00 000379 865	9606.ENS P0000026 5605	0.273	0	0	0	0	0	0.225	0.412
PGF	ICA M1	1862 737	1845 628	9606.E NSP00 000451 040	9606.ENS P0000026 4832	0	0	0	0	0	0	0.413	0.412
ITGA L	GZM A	1853 413	1846 373	9606.E NSP00 000349 252	9606.ENS P0000027 4306	0	0	0	0	0	0	0.413	0.412

TBX AS1	KNG 1	1859 424	1845 668	9606.E NSP00 000389 414	9606.ENS P0000026 5023	0	0	0	0	0	0	0.413	0.412
FMN 2	RAC 2	1850 090	1843 949	9606.E NSP00 000318 884	9606.ENS P0000024 9071	0	0	0	0	0	0.083	0.385	0.412
CNT N1	GJA1	1850 758	1846 806	9606.E NSP00 000325 660	9606.ENS P0000028 2561	0	0	0	0	0	0	0.413	0.412
MKI 67	PTP RC	1854 841	1854 576	9606.E NSP00 000357 643	9606.ENS P0000035 6346	0	0	0	0	0	0	0.411	0.412
VEG FA	TLR 2	1855 611	1844 747	9606.E NSP00 000361 125	9606.ENS P0000026 0010	0	0	0	0	0	0	0.413	0.412
JAK3	NCK 1	1859 586	1847 149	9606.E NSP00 000391 676	9606.ENS P0000028 8986	0	0	0	0	0	0.107	0.369	0.412

MKI 67	KIT	1854 841	1847 112	9606.E NSP00 000357 643	9606.ENS P0000028 8135	0	0	0	0	0	0	0.412	0.412
MMP 9	PRO C	1855 661	1843 382	9606.E NSP00 000361 405	9606.ENS P0000023 4071	0	0	0	0	0	0	0.413	0.412
FER1 L6	ANO 5	1858 680	1849 779	9606.E NSP00 000381 982	9606.ENS P0000031 5371	0	0	0	0	0	0	0.413	0.412
VWF	HMO X1	1844 904	1842 546	9606.E NSP00 000261 405	9606.ENS P0000021 6117	0	0	0	0	0	0	0.413	0.412
CEN PF	NCA PG	1854 480	1844 063	9606.E NSP00 000355 922	9606.ENS P0000025 1496	0	0	0	0	0.112	0	0.365	0.412
ARH GDI B	RAS D1	1843 176	1843 042	9606.E NSP00 000228 945	9606.ENS P0000022 5688	0	0	0	0	0	0.263	0.233	0.411

JAK3	IKZF 1	1859 586	1851 367	9606.E NSP00 000391 676	9606.ENS P0000033 1614	0	0	0	0	0.065	0.08	0.37	0.411
BTK	ARH GDI B	1849 039	1843 176	9606.E NSP00 000308 176	9606.ENS P0000022 8945	0	0	0	0	0	0	0.41	0.411
CSF1 R	TLR 2	1847 002	1844 747	9606.E NSP00 000286 301	9606.ENS P0000026 0010	0	0	0	0	0	0.1	0.373	0.411
ICA M1	SCA RB1	1845 628	1844 967	9606.E NSP00 000264 832	9606.ENS P0000026 1693	0	0	0	0	0	0	0.411	0.411
NR1I 3	FOX M1	1854 699	1852 579	9606.E NSP00 000356 958	9606.ENS P0000034 2307	0	0	0	0	0	0	0.411	0.411
PRT G	EPH A3	1857 812	1852 002	9606.E NSP00 000373 937	9606.ENS P0000033 7451	0	0	0	0	0.102	0	0.371	0.411

ITGB 2	TYR OBP	1848 511	1845 185	9606.E NSP00 000303 242	9606.ENS P0000026 2629	0	0	0	0	0.159	0	0.329	0.411
HEC W1	ACT G2	1858 345	1847 542	9606.E NSP00 000379 228	9606.ENS P0000029 5137	0	0	0	0	0	0.103	0.371	0.411
CTSS	CD5 3	1854 929	1846 188	9606.E NSP00 000357 981	9606.ENS P0000027 1324	0	0	0	0	0.212	0	0.284	0.411
NED D4L	TRP V5	1858 810	1845 722	9606.E NSP00 000383 199	9606.ENS P0000026 5310	0	0	0	0	0	0	0.411	0.411
ACT G2	HEC W2	1847 542	1844 836	9606.E NSP00 000295 137	9606.ENS P0000026 0983	0	0	0	0	0	0.103	0.371	0.411
MTH FD2	ADS SL1	1858 157	1851 543	9606.E NSP00 000377 617	9606.ENS P0000033 3019	0	0	0	0	0.103	0	0.371	0.411



IFI16	PYC ARD	1854 740	1843 869	9606.E NSP00 000357 113	9606.ENS P0000024 7470	0	0	0	0	0	0	0.41	0.41
NRP 2	SEM A6D	1854 002	1850 688	9606.E NSP00 000353 582	9606.ENS P0000032 4857	0	0	0	0	0	0	0.41	0.41
SLC2 A12	SLC1 6A7	1846 436	1844 858	9606.E NSP00 000275 230	9606.ENS P0000026 1187	0	0	0	0	0	0	0.41	0.41
VEG FA	COL 1A1	1855 611	1843 064	9606.E NSP00 000361 125	9606.ENS P0000022 5964	0	0	0	0	0	0	0.41	0.41
PRE X1	DOC K2	1855 583	1844 476	9606.E NSP00 000361 009	9606.ENS P0000025 6935	0	0	0	0	0	0	0.41	0.41
NED D4L	NR3 C2	1858 810	1852 455	9606.E NSP00 000383 199	9606.ENS P0000034 1390	0	0	0	0	0	0.079	0.386	0.41

ABC B1	KDR	1845 794	1845 437	9606.E NSP00 000265 724	9606.ENS P0000026 3923	0	0	0	0	0	0.075	0.389	0.41
YEA TS2	ACT G2	1848 900	1847 542	9606.E NSP00 000306 983	9606.ENS P0000029 5137	0	0	0	0	0	0.292	0.201	0.41
ITGB 2	RAC 2	1848 511	1843 949	9606.E NSP00 000303 242	9606.ENS P0000024 9071	0	0	0	0	0.095	0	0.375	0.41
APO L1	CSF1 R	1849 976	1847 002	9606.E NSP00 000317 674	9606.ENS P0000028 6301	0	0	0	0	0	0	0.411	0.41
POS TN	FN1	1857 088	1853 098	9606.E NSP00 000369 071	9606.ENS P0000034 6839	0	0	0	0	0	0	0.41	0.41
KLK 6	CLM N	1849 150	1848 006	9606.E NSP00 000309 148	9606.ENS P0000029 8912	0	0	0	0	0	0	0.409	0.409

ERB B4	RAS A3	1852 571	1851 795	9606.E NSP00 000342 235	9606.ENS P0000033 5029	0	0	0	0	0	0.102	0.369	0.409
RAS A3	EGF R	1851 795	1846 445	9606.E NSP00 000335 029	9606.ENS P0000027 5493	0	0	0	0	0	0.102	0.369	0.409
LIC AM	CDH 3	1855 168	1845 457	9606.E NSP00 000359 074	9606.ENS P0000026 4012	0	0	0	0	0	0	0.409	0.409
NPN T	PLA 2G7	1859 413	1846 414	9606.E NSP00 000389 252	9606.ENS P0000027 4793	0	0	0	0	0	0	0.409	0.409
RAS A3	ERB B2	1851 795	1846 101	9606.E NSP00 000335 029	9606.ENS P0000026 9571	0	0	0	0	0	0.102	0.369	0.409
MYO 3B	MYH 10	1859 134	1846 079	9606.E NSP00 000386 213	9606.ENS P0000026 9243	0	0	0	0.711	0.289	0	0.604	0.409

FOX MI	WT1	1852 579	1851 331	9606.E NSP00 000342 307	9606.ENS P0000033 1327	0	0	0	0	0	0.106	0.366	0.409
CKA P2	CEN PE	1856 801	1845 701	9606.E NSP00 000367 276	9606.ENS P0000026 5148	0	0	0	0	0.279	0	0.214	0.409
REC QL	PIK3 C2G	1859 865	1845 872	9606.E NSP00 000395 449	9606.ENS P0000026 6497	0	0	0	0	0	0.304	0.187	0.409
PPAP DC1 A	CER KL	1858 591	1852 420	9606.E NSP00 000381 302	9606.ENS P0000034 1159	0.254	0	0	0	0	0.102	0.189	0.409
BTK	ALB	1849 039	1847 637	9606.E NSP00 000308 176	9606.ENS P0000029 5897	0	0	0	0	0	0	0.409	0.408
C3	PRO C	1843 781	1843 382	9606.E NSP00 000245 907	9606.ENS P0000023 4071	0	0	0	0	0	0	0.409	0.408

NUS API	BUB 1	1862 836	1848 415	9606.E NSP00 000453 403	9606.ENS P0000030 2530	0	0	0	0	0.115	0	0.359	0.408
SLC1 4A1	HMG CS2	1859 506	1855 015	9606.E NSP00 000390 637	9606.ENS P0000035 8414	0	0	0	0	0	0	0.408	0.408
TGF BI	DCN	1861 221	1842 218	9606.E NSP00 000416 330	9606.ENS P0000005 2754	0	0	0	0	0.117	0	0.358	0.408
KIT	RAC 2	1847 112	1843 949	9606.E NSP00 000288 135	9606.ENS P0000024 9071	0	0	0	0	0	0.113	0.36	0.408
PTPR C	COR O1A	1854 576	1842 723	9606.E NSP00 000356 346	9606.ENS P0000021 9150	0	0	0	0	0.116	0	0.358	0.408
CCN D1	SER PINE 1	1843 117	1842 959	9606.E NSP00 000227 507	9606.ENS P0000022 3095	0	0	0	0	0	0	0.408	0.408

CAV 1	ACT G2	1852 186	1847 542	9606.E NSP00 000339 191	9606.ENS P0000029 5137	0	0	0	0	0	0	0.408	0.408
NCF 2	LAM C2	1854 612	1845 485	9606.E NSP00 000356 505	9606.ENS P0000026 4144	0	0	0	0	0	0	0.408	0.408
DAC H1	HSF4	1848 693	1845 455	9606.E NSP00 000304 994	9606.ENS P0000026 4009	0	0	0	0	0	0	0.408	0.408
NCF 2	HMO X1	1854 612	1842 546	9606.E NSP00 000356 505	9606.ENS P0000021 6117	0	0	0	0	0	0	0.409	0.408
BDH 1	HPG D	1853 648	1847 749	9606.E NSP00 000350 914	9606.ENS P0000029 6522	0	0	0.396	0	0	0	0.061	0.408
ALB	NR0 B2	1847 637	1844 279	9606.E NSP00 000295 897	9606.ENS P0000025 4227	0	0	0	0	0	0	0.409	0.408

SPA G4	AQP 9	1856 080	1842 775	9606.E NSP00 000363 391	9606.ENS P0000021 9919	0	0	0	0	0	0	0.408	0.408
HSP A2	OXC T1	1843 861	1842 370	9606.E NSP00 000247 207	9606.ENS P0000019 6371	0	0	0	0	0	0	0.408	0.408
TNF SF13 B	CD4	1856 399	1842 167	9606.E NSP00 000365 048	9606.ENS P0000001 1653	0	0	0	0	0	0	0.408	0.408
ICA M1	IL2R B	1845 628	1842 567	9606.E NSP00 000264 832	9606.ENS P0000021 6223	0	0	0	0	0	0	0.408	0.408
KIF2 0A	CEN PF	1858 244	1854 480	9606.E NSP00 000378 356	9606.ENS P0000035 5922	0	0	0	0	0.115	0	0.359	0.408
TBX 3	GRH L2	1844 516	1844 083	9606.E NSP00 000257 566	9606.ENS P0000025 1808	0	0	0	0	0	0	0.408	0.408

PRO M1	ANG PT2	1861 160	1849 738	9606.E NSP00 000415 481	9606.ENS P0000031 4897	0	0	0	0	0	0	0.408	0.408
FGF1	CDH 2	1852 115	1846 066	9606.E NSP00 000338 548	9606.ENS P0000026 9141	0	0	0	0	0	0	0.408	0.408
RNA SET2	ALB	1861 575	1847 637	9606.E NSP00 000422 846	9606.ENS P0000029 5897	0	0	0	0	0	0	0.409	0.408
CAS R	SLC1 2A3	1861 464	1860 326	9606.E NSP00 000420 194	9606.ENS P0000040 2152	0	0	0	0	0	0	0.408	0.408
PTG S2	TNF AIP3	1854 602	1843 455	9606.E NSP00 000356 438	9606.ENS P0000023 7289	0	0	0	0	0	0	0.409	0.408
IGFB P3	SER PINE 1	1857 331	1842 959	9606.E NSP00 000370 473	9606.ENS P0000022 3095	0	0	0	0	0	0	0.409	0.408



FAS	MAP 3K15	1853 242	1852 955	9606.E NSP00 000347 979	9606.ENS P0000034 5629	0	0	0	0	0	0	0.409	0.408
TYM S	BUB 1	1849 803	1848 415	9606.E NSP00 000315 644	9606.ENS P0000030 2530	0	0	0	0	0.113	0	0.361	0.408
KCN K3	TRP V5	1848 825	1845 722	9606.E NSP00 000306 275	9606.ENS P0000026 5310	0	0	0	0	0	0	0.409	0.408
NCA PG	DLG AP5	1844 063	1843 859	9606.E NSP00 000251 496	9606.ENS P0000024 7191	0	0	0	0	0.184	0	0.305	0.408
KCN MA1	CDO N	1859 069	1845 370	9606.E NSP00 000385 806	9606.ENS P0000026 3577	0	0	0	0	0	0	0.408	0.408
SCD	C10o rf10	1855 232	1847 947	9606.E NSP00 000359 380	9606.ENS P0000029 8295	0	0	0	0	0	0	0.408	0.408

VCA N	COL 1A1	1845 684	1843 064	9606.E NSP00 000265 077	9606.ENS P0000022 5964	0	0	0	0	0	0	0.408	0.408
CAL U	LYP D6B	1861 478	1859 236	9606.E NSP00 000420 381	9606.ENS P0000038 7077	0	0	0	0	0	0	0.408	0.408
MYC	FGF1	1856 789	1852 115	9606.E NSP00 000367 207	9606.ENS P0000033 8548	0	0	0	0	0	0	0.407	0.407
PRO C	DCN	1843 382	1842 218	9606.E NSP00 000234 071	9606.ENS P0000005 2754	0	0	0	0	0	0	0.407	0.407
MAP K4	NFE 2L3	1858 818	1842 231	9606.E NSP00 000383 234	9606.ENS P0000005 6233	0	0	0	0	0	0	0.407	0.407
RGC C	PLK 1	1857 014	1848 135	9606.E NSP00 000368 664	9606.ENS P0000030 0093	0	0	0	0	0	0	0.407	0.407

CAS P1	MYC	1860 827	1856 789	9606.E NSP00 000410 076	9606.ENS P0000036 7207	0	0	0	0	0	0	0.407	0.407
PRD M1	PXK	1854 949	1853 305	9606.E NSP00 000358 092	9606.ENS P0000034 8472	0	0	0	0	0	0	0.407	0.407
GUL P1	ELM O1	1853 794	1849 503	9606.E NSP00 000352 047	9606.ENS P0000031 2185	0	0	0	0	0	0	0.407	0.407
PRO M1	KRT 7	1861 160	1851 127	9606.E NSP00 000415 481	9606.ENS P0000032 9243	0	0	0	0	0	0	0.407	0.407
TME M52 B	HILP DA	1847 967	1844 529	9606.E NSP00 000298 530	9606.ENS P0000025 7696	0	0	0	0	0	0	0.407	0.407
MYC	LYZ	1856 789	1844 877	9606.E NSP00 000367 207	9606.ENS P0000026 1267	0	0	0	0	0	0	0.407	0.407

KCN MA1	KNG 1	1859 069	1845 668	9606.E NSP00 000385 806	9606.ENS P0000026 5023	0	0	0	0	0	0	0.407	0.407
BSN D	ILDR 1	1855 449	1852 959	9606.E NSP00 000360 312	9606.ENS P0000034 5667	0	0	0	0	0	0	0.407	0.407
CLC NKB	KCN J10	1856 357	1854 726	9606.E NSP00 000364 831	9606.ENS P0000035 7068	0	0	0	0	0	0	0.407	0.407
CYP 17A1	NR0 B2	1855 129	1844 279	9606.E NSP00 000358 903	9606.ENS P0000025 4227	0	0	0	0	0	0	0.407	0.407
SCN 7A	SCN N1G	1859 207	1848 129	9606.E NSP00 000386 796	9606.ENS P0000030 0061	0	0	0	0	0	0	0.112	0.407
MYC	MMP 1	1856 789	1850 481	9606.E NSP00 000367 207	9606.ENS P0000032 2788	0	0	0	0	0	0	0.407	0.407

KNG 1	PLE K	1845 668	1843 395	9606.E NSP00 000265 023	9606.ENS P0000023 4313	0	0	0	0	0	0	0.407	0.407
CMY A5	TRA T1	1859 827	1847 619	9606.E NSP00 000394 770	9606.ENS P0000029 5756	0	0	0	0	0	0	0.407	0.407
EIF4 EBP1	KDR	1852 358	1845 437	9606.E NSP00 000340 691	9606.ENS P0000026 3923	0	0	0	0	0	0	0.407	0.407
FGF9	ALB	1857 512	1847 637	9606.E NSP00 000371 790	9606.ENS P0000029 5897	0	0	0	0	0	0	0.407	0.407
ACP P	PEP D	1850 504	1843 701	9606.E NSP00 000323 036	9606.ENS P0000024 4137	0	0	0	0	0	0	0.407	0.407
SLC1 6A5	PYG L	1851 220	1842 591	9606.E NSP00 000330 141	9606.ENS P0000021 6392	0	0	0	0	0	0	0.407	0.407

OAS 2	PYG L	1852 576	1842 591	9606.E NSP00 000342 278	9606.ENS P0000021 6392	0	0	0	0	0	0.3	0.188	0.407
CEP5 5	NCA PG	1855 493	1844 063	9606.E NSP00 000360 540	9606.ENS P0000025 1496	0	0	0	0	0.171	0	0.315	0.407
LAD 1	EGL N3	1857 966	1844 011	9606.E NSP00 000375 829	9606.ENS P0000025 0457	0	0	0	0	0	0	0.407	0.407
KNG 1	AQP 2	1845 668	1842 380	9606.E NSP00 000265 023	9606.ENS P0000019 9280	0	0	0	0	0	0	0.407	0.407
FYB	CLN K	1861 668	1843 101	9606.E NSP00 000425 845	9606.ENS P0000022 6951	0	0	0	0	0	0.129	0.348	0.407
ERB B2	IGFB P2	1846 101	1843 367	9606.E NSP00 000269 571	9606.ENS P0000023 3809	0	0	0	0	0	0	0.407	0.407

LYZ	TLR 2	1844 877	1844 747	9606.E NSP00 000261 267	9606.ENS P0000026 0010	0	0	0	0	0	0	0.407	0.407
LPPR 1	PLC XD3	1856 196	1851 623	9606.E NSP00 000364 005	9606.ENS P0000033 3751	0	0	0	0	0	0	0.407	0.407
CA9	LOX	1856 855	1843 271	9606.E NSP00 000367 608	9606.ENS P0000023 1004	0	0	0	0	0	0	0.407	0.407
ITGA L	CD7 0	1853 413	1843 780	9606.E NSP00 000349 252	9606.ENS P0000024 5903	0	0	0	0	0	0	0.407	0.407
TGF A	CCN D1	1847 571	1843 117	9606.E NSP00 000295 400	9606.ENS P0000022 7507	0	0	0	0	0	0	0.407	0.407
ERO 1L	HSF4	1858 318	1845 455	9606.E NSP00 000379 042	9606.ENS P0000026 4009	0	0	0	0	0	0	0.406	0.406

AGM AT	ASS1	1856 387	1844 185	9606.E NSP00 000364 986	9606.ENS P0000025 3004	0	0	0	0	0.075	0	0.384	0.406
HMG CS2	SLC1 4A2	1855 015	1844 366	9606.E NSP00 000358 414	9606.ENS P0000025 5226	0	0	0	0	0	0	0.406	0.406
VNN 2	SUL T1C2	1850 433	1850 163	9606.E NSP00 000322 276	9606.ENS P0000031 9622	0	0	0	0	0	0	0.406	0.406
PRO M1	CHL 1	1861 160	1844 445	9606.E NSP00 000415 481	9606.ENS P0000025 6509	0	0	0	0	0	0	0.406	0.406
RRM 2	SHM T2	1854 033	1851 612	9606.E NSP00 000353 770	9606.ENS P0000033 3667	0	0	0	0	0.099	0	0.368	0.406
VEG FA	PRO X1	1855 611	1844 915	9606.E NSP00 000361 125	9606.ENS P0000026 1454	0	0	0	0	0	0	0.406	0.406



GAT A3	FOX M1	1857 010	1852 579	9606.E NSP00 000368 632	9606.ENS P0000034 2307	0	0	0	0	0	0	0.406	0.406
PRC1	TPX 2	1858 173	1848 175	9606.E NSP00 000377 793	9606.ENS P0000030 0403	0	0	0	0	0.179	0	0.307	0.406
SLC2 2A12	DCN	1856 708	1842 218	9606.E NSP00 000366 797	9606.ENS P0000005 2754	0	0	0	0	0	0	0.406	0.406
TRP V6	AQP 2	1853 837	1842 380	9606.E NSP00 000352 358	9606.ENS P0000019 9280	0	0	0	0	0	0.075	0.384	0.406
ALB	DAO	1847 637	1843 145	9606.E NSP00 000295 897	9606.ENS P0000022 8476	0	0	0	0	0	0	0.406	0.406
ALD H8A 1	OXC T1	1845 778	1842 370	9606.E NSP00 000265 605	9606.ENS P0000019 6371	0.084	0	0	0	0	0	0.379	0.406

PKH D1	EGF R	1855 407	1846 445	9606.E NSP00 000360 158	9606.ENS P0000027 5493	0	0	0	0	0	0	0.406	0.406
BMP 7	FGF1 1	1858 342	1847 442	9606.E NSP00 000379 204	9606.ENS P0000029 3829	0	0	0	0	0	0	0.405	0.405
SLC1 6A1	ABC B1	1855 069	1845 794	9606.E NSP00 000358 640	9606.ENS P0000026 5724	0	0	0	0	0.075	0	0.383	0.405
MEL K	ANL N	1847 923	1845 802	9606.E NSP00 000298 048	9606.ENS P0000026 5748	0	0	0	0	0.113	0	0.357	0.405
MAP K4	EGF R	1858 818	1846 445	9606.E NSP00 000383 234	9606.ENS P0000027 5493	0	0	0	0.614	0	0.248	0.562	0.405
PLK2	CEN PE	1846 372	1845 701	9606.E NSP00 000274 289	9606.ENS P0000026 5148	0	0	0	0	0.159	0	0.321	0.405

CEN PI	PBK	1855 785	1848 348	9606.E NSP00 000362 018	9606.ENS P0000030 1905	0	0	0	0	0.405	0	0	0.405
SMC 4	TUB B2B	1852 454	1844 727	9606.E NSP00 000341 382	9606.ENS P0000025 9818	0	0	0	0	0.07	0	0.387	0.405
PTPR C	FN1	1854 576	1853 098	9606.E NSP00 000356 346	9606.ENS P0000034 6839	0	0	0	0	0	0	0.405	0.405
SLC9 A3	RPS6 KA6	1845 649	1845 209	9606.E NSP00 000264 938	9606.ENS P0000026 2752	0	0	0	0	0	0	0.405	0.405
CEP5 5	RRM 2	1855 493	1854 033	9606.E NSP00 000360 540	9606.ENS P0000035 3770	0	0	0	0	0.112	0	0.358	0.405
COL 4A1	TIM P1	1856 385	1842 705	9606.E NSP00 000364 979	9606.ENS P0000021 8388	0	0	0	0	0.065	0	0.389	0.405

PDH A1	PYG L	1857 098	1842 591	9606.E NSP00 000369 134	9606.ENS P0000021 6392	0	0	0	0	0.116	0	0.355	0.405
RAB 25	ITG A5	1854 111	1847 411	9606.E NSP00 000354 376	9606.ENS P0000029 3379	0	0	0	0	0	0	0.405	0.405
CEP5 5	CCN B2	1855 493	1847 117	9606.E NSP00 000360 540	9606.ENS P0000028 8207	0	0	0	0	0.114	0	0.357	0.405
NR11 3	CYP 27B1	1854 699	1843 152	9606.E NSP00 000356 958	9606.ENS P0000022 8606	0	0	0	0	0	0	0.405	0.405
CXC R4	KITL G	1859 216	1843 134	9606.E NSP00 000386 884	9606.ENS P0000022 8280	0	0	0	0	0	0	0.405	0.405
SCN N1A	SLC9 A2	1853 964	1843 378	9606.E NSP00 000353 292	9606.ENS P0000023 3969	0	0	0	0	0	0	0.405	0.405

RAB 25	ARH GDI B	1854 111	1843 176	9606.E NSP00 000354 376	9606.ENS P0000022 8945	0	0	0	0	0.083	0.263	0.19	0.404
EPB4 1	GRB 14	1852 914	1845 434	9606.E NSP00 000345 259	9606.ENS P0000026 3915	0	0	0	0	0	0	0.404	0.404
CAB 39L	TRIB 3	1844 962	1842 649	9606.E NSP00 000261 669	9606.ENS P0000021 7233	0	0	0	0	0	0	0.404	0.404
FBP1	PRF1	1856 276	1849 900	9606.E NSP00 000364 475	9606.ENS P0000031 6746	0	0	0	0	0	0	0.404	0.404
NEK 6	BUB 1	1855 945	1848 415	9606.E NSP00 000362 702	9606.ENS P0000030 2530	0	0	0	0	0.157	0.099	0.278	0.404
BMP 7	FOX M1	1858 342	1852 579	9606.E NSP00 000379 204	9606.ENS P0000034 2307	0	0	0	0	0	0	0.404	0.404

ACAN	CDH 2	1859 267	1846 066	9606.E NSP00 000387 356	9606.ENS P0000026 9141	0	0	0	0	0	0	0.404	0.404
BUB 1	PBK	1848 415	1848 348	9606.E NSP00 000302 530	9606.ENS P0000030 1905	0	0	0	0	0.227	0	0.261	0.404
EZH 2	CCN A2	1850 211	1846 354	9606.E NSP00 000320 147	9606.ENS P0000027 4026	0	0	0	0	0.115	0.078	0.329	0.404
GLD C	LDH D	1857 365	1848 124	9606.E NSP00 000370 737	9606.ENS P0000030 0051	0	0	0	0	0	0	0.404	0.404
ASF1 B	CDC 6	1845 347	1842 453	9606.E NSP00 000263 382	9606.ENS P0000020 9728	0	0	0	0	0.242	0.097	0.2	0.404
TNF SF13 B	BIRC 3	1856 399	1845 359	9606.E NSP00 000365 048	9606.ENS P0000026 3464	0	0	0	0	0	0	0.404	0.404

ERB B2	CHL 1	1846 101	1844 445	9606.E NSP00 000269 571	9606.ENS P0000025 6509	0	0	0	0	0	0.191	0.294	0.404
CDC A2	NUF 2	1851 011	1846 198	9606.E NSP00 000328 228	9606.ENS P0000027 1452	0	0	0	0	0.11	0	0.358	0.404
MEL K	CAB 39L	1847 923	1844 962	9606.E NSP00 000298 048	9606.ENS P0000026 1669	0	0	0	0	0	0	0.404	0.404
GGT 6	SEM A5B	1863 209	1853 557	9606.E NSP00 000458 307	9606.ENS P0000035 0215	0	0	0	0	0	0	0.404	0.404
MAP K4	EIF4 EBP1	1858 818	1852 358	9606.E NSP00 000383 234	9606.ENS P0000034 0691	0	0	0	0	0	0	0.404	0.404
EZH 2	RAP 1GA P	1850 211	1847 204	9606.E NSP00 000320 147	9606.ENS P0000029 0101	0	0	0	0	0	0.321	0.159	0.404

SLC1 5A2	SLC1 6A1	1861 264	1855 069	9606.E NSP00 000417 085	9606.ENS P0000035 8640	0	0	0	0	0	0	0.404	0.404
KCN MA1	WN K4	1859 069	1843 844	9606.E NSP00 000385 806	9606.ENS P0000024 6914	0	0	0	0	0	0	0.404	0.404
FGF R2	GAT A3	1860 837	1857 010	9606.E NSP00 000410 294	9606.ENS P0000036 8632	0	0	0	0	0	0.074	0.383	0.404
CD86	EPC AM	1851 423	1845 405	9606.E NSP00 000332 049	9606.ENS P0000026 3735	0	0	0	0	0	0	0.404	0.404
ACO X2	ALD H8A 1	1848 984	1845 778	9606.E NSP00 000307 697	9606.ENS P0000026 5605	0	0	0	0	0.086	0	0.374	0.403
TAC STD2	ATP 6V1 B1	1855 438	1843 400	9606.E NSP00 000360 269	9606.ENS P0000023 4396	0	0	0	0	0	0.395	0.055	0.403



HK2	EGF R	1847 242	1846 445	9606.E NSP00 000290 573	9606.ENS P0000027 5493	0	0	0	0	0	0.275	0.211	0.403
REC QL	PRD X4	1859 865	1857 012	9606.E NSP00 000395 449	9606.ENS P0000036 8646	0	0	0	0	0	0.363	0.102	0.403
SPTB N2	SAM HD1	1849 428	1845 231	9606.E NSP00 000311 489	9606.ENS P0000026 2878	0	0	0	0	0	0	0.403	0.403
CAS R	DDC	1861 464	1853 612	9606.E NSP00 000420 194	9606.ENS P0000035 0616	0	0	0	0	0	0	0.403	0.403
ALD H8A 1	ENO 2	1845 778	1843 192	9606.E NSP00 000265 605	9606.ENS P0000022 9277	0	0	0	0	0.112	0.102	0.312	0.403
SELE	FUT 6	1851 385	1847 043	9606.E NSP00 000331 736	9606.ENS P0000028 6955	0	0	0	0	0	0	0.403	0.403

HAU S6	DLG AP5	1857 235	1843 859	9606.E NSP00 000369 871	9606.ENS P0000024 7191	0	0	0	0	0.088	0	0.372	0.403
EVI2 B	ADA P2	1851 627	1851 153	9606.E NSP00 000333 779	9606.ENS P0000032 9468	0	0	0	0	0	0	0.403	0.403
SLC1 6A10	SLC2 5A4	1854 900	1846 728	9606.E NSP00 000357 844	9606.ENS P0000028 1456	0	0	0	0	0	0	0.403	0.403
TUB B2B	HSP A2	1844 727	1843 861	9606.E NSP00 000259 818	9606.ENS P0000024 7207	0	0	0	0	0	0.101	0.363	0.402
SLC2 A1	FLT1	1861 219	1846 791	9606.E NSP00 000416 293	9606.ENS P0000028 2397	0	0	0	0	0	0	0.402	0.402
MAP K4	ERB B2	1858 818	1846 101	9606.E NSP00 000383 234	9606.ENS P0000026 9571	0	0	0	0.614	0	0.248	0.552	0.402

FOX M1	LMO 3	1852 579	1849 583	9606.E NSP00 000342 307	9606.ENS P0000031 2856	0	0	0	0	0	0.086	0.373	0.402
LMO 3	FOXI 1	1849 583	1848 621	9606.E NSP00 000312 856	9606.ENS P0000030 4286	0	0	0	0	0	0.086	0.373	0.402
TSP AN8	SSP N	1843 877	1843 638	9606.E NSP00 000247 829	9606.ENS P0000024 2729	0	0	0	0	0	0	0.402	0.402
CCN B2	DCL K1	1847 117	1844 379	9606.E NSP00 000288 207	9606.ENS P0000025 5448	0	0	0	0	0.175	0.149	0.217	0.402
TCF2 1	HOX B6	1843 456	1843 039	9606.E NSP00 000237 316	9606.ENS P0000022 5648	0	0	0	0	0	0.385	0.068	0.402
FOX M1	ALX 1	1852 579	1849 786	9606.E NSP00 000342 307	9606.ENS P0000031 5417	0	0	0	0	0	0.086	0.373	0.402

SPA G5	BUB 1B	1850 533	1847 075	9606.E NSP00 000323 300	9606.ENS P0000028 7598	0	0	0	0	0.17	0	0.31	0.402
FOXI 1	LHX 1	1848 621	1844 295	9606.E NSP00 000304 286	9606.ENS P0000025 4457	0	0	0	0	0	0.086	0.373	0.402
PSM B8	OAS 2	1856 198	1852 576	9606.E NSP00 000364 016	9606.ENS P0000034 2278	0	0	0	0	0.077	0.3	0.149	0.402
SLC1 3A3	AQP 9	1846 611	1842 775	9606.E NSP00 000279 027	9606.ENS P0000021 9919	0	0	0	0	0	0	0.402	0.402
MAP K4	DCL K1	1858 818	1844 379	9606.E NSP00 000383 234	9606.ENS P0000025 5448	0	0	0	0.637	0	0.25	0.576	0.401
SCD 5	CD3 6	1849 862	1849 038	9606.E NSP00 000316 329	9606.ENS P0000030 8165	0	0	0	0	0	0	0.4	0.401

PFKP	PDH A1	1857 335	1857 098	9606.E NSP00 000370 517	9606.ENS P0000036 9134	0	0	0	0	0.077	0	0.378	0.401
NR3 C2	HSD 11B2	1852 455	1849 905	9606.E NSP00 000341 390	9606.ENS P0000031 6786	0	0	0	0	0	0	0.401	0.401
PLC L1	VSN L1	1860 372	1847 545	9606.E NSP00 000402 861	9606.ENS P0000029 5156	0	0	0	0	0	0	0.401	0.401
HCK	PTP RE	1856 392	1844 313	9606.E NSP00 000365 012	9606.ENS P0000025 4667	0	0	0	0	0	0.074	0.379	0.401
KIF2 A	PLK 2	1859 005	1846 372	9606.E NSP00 000385 000	9606.ENS P0000027 4289	0	0	0	0	0	0	0.4	0.401
VEG FA	NOS 1	1855 611	1852 004	9606.E NSP00 000361 125	9606.ENS P0000033 7459	0	0	0	0	0	0	0.401	0.401

TICR R	CDC 6	1845 998	1842 453	9606.E NSP00 000268 138	9606.ENS P0000020 9728	0	0	0	0	0	0	0.401	0.401
CDK N3	TUB B2B	1851 839	1844 727	9606.E NSP00 000335 357	9606.ENS P0000025 9818	0	0	0	0	0	0	0.4	0.4
PLC L1	EGF R	1860 372	1846 445	9606.E NSP00 000402 861	9606.ENS P0000027 5493	0	0	0	0	0	0	0.4	0.4
TBX AS1	ALB	1859 424	1847 637	9606.E NSP00 000389 414	9606.ENS P0000029 5897	0	0	0	0	0	0	0.4	0.4
JAK3	SH3 GL2	1859 586	1857 254	9606.E NSP00 000391 676	9606.ENS P0000036 9981	0	0	0	0	0	0	0.4	0.4
PRR1 5L	PLO D2	1848 189	1846 823	9606.E NSP00 000300 557	9606.ENS P0000028 2903	0	0	0	0	0	0	0.4	0.4

SLC2 2A6	SLC6 A3	1856 766	1846 148	9606.E NSP00 000367 102	9606.ENS P0000027 0349	0	0	0	0	0	0	0.4	0.4
CCN B2	LYZ	1847 117	1844 877	9606.E NSP00 000288 207	9606.ENS P0000026 1267	0	0	0	0	0	0	0.4	0.4
ITK	SH3 GL2	1860 098	1857 254	9606.E NSP00 000398 655	9606.ENS P0000036 9981	0	0	0	0	0	0	0.4	0.4
PGF	TGF B1	1862 737	1842 869	9606.E NSP00 000451 040	9606.ENS P0000022 1930	0	0	0	0	0	0	0.4	0.4
GLD C	OAS 2	1857 365	1852 576	9606.E NSP00 000370 737	9606.ENS P0000034 2278	0	0	0	0	0	0.401	0	0.4
CLC NKA	UMO D	1851 515	1848 826	9606.E NSP00 000332 771	9606.ENS P0000030 6279	0	0	0	0	0	0	0.4	0.4

PYHI N1	PYC ARD	1854 742	1843 869	9606.E NSP00 000357 122	9606.ENS P0000024 7470	0	0	0	0	0	0	0.4	0.4
FOX M1	CEN PE	1852 579	1845 701	9606.E NSP00 000342 307	9606.ENS P0000026 5148	0	0	0	0	0.142	0	0.329	0.4
SERP INB9	ITG AX	1857 270	1846 012	9606.E NSP00 000370 074	9606.ENS P0000026 8296	0	0	0	0	0	0	0.4	0.4
SLC2 A5	SOR T1	1856 683	1844 454	9606.E NSP00 000366 641	9606.ENS P0000025 6637	0	0	0	0	0	0	0.399	0.4
SH3 GL2	HCK	1857 254	1856 392	9606.E NSP00 000369 981	9606.ENS P0000036 5012	0	0	0	0	0	0	0.4	0.4
CDH 2	VCA N	1846 066	1845 684	9606.E NSP00 000269 141	9606.ENS P0000026 5077	0	0	0	0	0	0	0.4	0.4



CAD PS2	DPP6	1860 079	1856 752	9606.E NSP00 000398 481	9606.ENS P0000036 7001	0	0	0	0	0	0	0.4	0.4
SH3 GL2	BTK	1857 254	1849 039	9606.E NSP00 000369 981	9606.ENS P0000030 8176	0	0	0	0	0	0	0.4	0.4
BRC A2	BUB 1	1857 163	1848 415	9606.E NSP00 000369 497	9606.ENS P0000030 2530	0	0	0	0	0.102	0	0.36	0.4
PLIN 2	TLR 2	1846 518	1844 747	9606.E NSP00 000276 914	9606.ENS P0000026 0010	0	0	0	0	0	0	0.4	0.4
EGF R	VWF	1846 445	1844 904	9606.E NSP00 000275 493	9606.ENS P0000026 1405	0	0	0	0	0	0	0.4	0.4
PFKP	PCK 1	1857 335	1850 185	9606.E NSP00 000370 517	9606.ENS P0000031 9814	0	0	0	0	0.07	0	0.381	0.4

SLC1 2A1	RHB G	1857 315	1854 768	9606.E NSP00 000370 381	9606.ENS P0000035 7229	0	0	0	0	0	0	0.4	0.4
PRD X4	HSP A2	1857 012	1843 861	9606.E NSP00 000368 646	9606.ENS P0000024 7207	0	0	0	0	0	0.102	0.359	0.4
NUS AP1	CCN A2	1862 836	1846 354	9606.E NSP00 000453 403	9606.ENS P0000027 4026	0	0	0	0	0.115	0	0.35	0.4