

Supplementary Table 2. Genes with decreased expression in RE+/FECD+ compared to RE+/FECD-

Gene Name	Log2FC	P value	FDR				
A2M	-2.600	1.22E-03	5.44E-03	ANGPT1	-3.628	7.72E-06	1.54E-04
AADAT	-6.694	2.45E-07	1.99E-05	ANKRD1	-4.437	1.73E-03	7.10E-03
ABCA1	-2.375	6.20E-05	6.07E-04	ANKRD34B	-7.107	6.18E-07	3.24E-05
ABCB4	-2.283	2.59E-03	9.72E-03	ANKRD36BP2	-2.247	1.15E-02	3.17E-02
ABCC3	-2.753	5.08E-04	2.81E-03	ANO4	-3.398	3.69E-03	1.28E-02
ABCC4	-2.924	8.04E-05	7.26E-04	ANXA2	-2.182	2.76E-07	2.15E-05
ABI3	-2.664	4.96E-03	1.62E-02	ANXA2P2	-2.206	3.34E-07	2.34E-05
ABTB2	-2.248	6.32E-03	1.96E-02	ANXA8	-5.197	7.33E-05	6.82E-04
ACE	-2.610	6.84E-03	2.09E-02	ANXA8L1	-5.193	7.40E-05	6.87E-04
ACE2	-2.110	1.84E-02	4.63E-02	ANXA8L2	-5.796	2.58E-06	7.61E-05
ACPP	-2.859	1.55E-03	6.54E-03	AOAH	-2.852	4.38E-03	1.47E-02
ACSL5	-3.310	1.55E-04	1.16E-03	APBA2	-2.086	4.29E-03	1.44E-02
ACTA2	-4.214	3.48E-05	4.06E-04	APBB1IP	-3.517	6.20E-05	6.07E-04
ACTBL2	-7.564	8.94E-03	2.59E-02	APOB	-3.123	2.19E-05	2.96E-04
ACTC1	-4.424	9.59E-04	4.52E-03	APOBEC3A	-2.796	1.93E-03	7.71E-03
ACTN2	-2.769	4.57E-03	1.52E-02	APOC1	-2.854	1.93E-04	1.36E-03
ADAM19	-2.135	9.30E-04	4.41E-03	APOL6	-2.570	8.14E-03	2.39E-02
ADAM22	-3.299	1.48E-07	1.57E-05	AQP9	-3.818	4.83E-04	2.69E-03
ADAM23	-2.196	6.35E-03	1.97E-02	ARAP2	-2.981	1.29E-03	5.68E-03
ADAM28	-2.793	1.39E-06	5.21E-05	ARHGAP15	-3.308	1.64E-03	6.82E-03
ADAMTS10	-3.395	1.29E-04	1.01E-03	ARHGAP22	-2.031	1.24E-05	2.07E-04
ADAMTS16	-3.770	1.30E-03	5.70E-03	ARHGAP25	-3.036	6.39E-04	3.32E-03
ADAMTS19	-6.479	1.07E-04	8.85E-04	ARHGAP28	-2.378	1.00E-03	4.68E-03
ADAMTS2	-2.809	1.13E-04	9.16E-04	ARHGAP30	-2.957	2.96E-03	1.08E-02
ADAMTS6	-2.993	7.93E-09	5.31E-06	ARHGAP9	-2.531	2.99E-04	1.89E-03
ADAMTSL1	-6.789	4.61E-06	1.12E-04	ARID3A	-2.004	2.91E-04	1.85E-03
ADAMTSL3	-2.713	6.48E-04	3.36E-03	ARID5A	-3.145	9.06E-04	4.32E-03
ADAP2	-2.488	6.60E-04	3.40E-03	ARL4A	-3.118	1.04E-08	5.31E-06
ADCY5	-2.145	3.71E-03	1.28E-02	ARMC4	-2.795	5.51E-04	2.98E-03
ADH1B	-3.161	1.42E-02	3.75E-02	ARNTL2	-3.022	7.36E-04	3.69E-03
ADORA3	-3.301	2.68E-05	3.39E-04	ARSI	-3.111	5.04E-04	2.79E-03
AFAP1-AS1	-2.469	1.29E-02	3.48E-02	ASB2	-4.308	2.73E-03	1.01E-02
AFP	-3.249	2.71E-03	1.01E-02	ASCC3	-2.066	9.23E-11	9.41E-07
AGAP2	-3.221	5.73E-03	1.81E-02	ASPHD1	-2.618	2.00E-03	7.96E-03
AGPAT9	-3.422	2.08E-03	8.21E-03	ASPM	-2.477	1.76E-04	1.27E-03
AGTR2	-4.572	2.33E-04	1.57E-03	ASXL3	-4.951	3.49E-04	2.12E-03
AHNAK2	-2.943	3.49E-08	7.92E-06	ATF3	-3.839	2.90E-03	1.06E-02
AIM1	-2.770	1.59E-03	6.67E-03	ATP10A	-6.027	8.09E-06	1.59E-04
AKAP2	-2.876	1.07E-04	8.84E-04	ATP8B4	-3.097	6.02E-07	3.21E-05
ALDH1B1	-2.332	1.24E-04	9.87E-04	B2M	-2.190	2.41E-04	1.60E-03
ALDH1L2	-3.141	5.33E-05	5.47E-04	B3GALT2	-4.041	3.59E-03	1.25E-02
ALOX5	-3.339	2.14E-04	1.47E-03	B3GALT5	-2.386	3.38E-04	2.07E-03
ALOX5AP	-3.774	7.25E-05	6.78E-04	B3GNT5	-2.268	1.42E-05	2.24E-04
ALPK2	-3.730	4.23E-04	2.43E-03	BAALC	-4.744	1.09E-03	5.00E-03
ALPL	-2.811	1.56E-02	4.04E-02	BACH2	-3.726	4.65E-03	1.54E-02
AMICA1	-2.840	3.30E-03	1.17E-02	BAI3	-2.834	7.44E-03	2.23E-02
				BAIAP2L1	-2.424	5.98E-08	9.47E-06
				BANK1	-2.316	9.16E-05	7.93E-04
				BCAT1	-3.096	1.22E-04	9.76E-04
				BCHE	-5.821	9.03E-06	1.70E-04
				BCL2A1	-3.986	5.86E-03	1.84E-02
				BCL2L14	-5.646	5.76E-04	3.08E-03

BDKRB1	-2.315	1.32E-04	1.03E-03	C7orf57	-3.217	2.89E-03	1.06E-02
BEND6	-2.928	7.11E-04	3.60E-03	C8orf31	-3.212	1.10E-03	5.02E-03
BICC1	-2.043	4.32E-03	1.45E-02	C8orf84	-4.091	2.00E-02	4.95E-02
BID	-2.604	2.23E-07	1.94E-05	C8orf85	-2.848	7.03E-03	2.14E-02
BIN2	-3.031	2.33E-03	8.94E-03	C9orf4	-3.791	6.19E-04	3.25E-03
BLM	-2.477	4.25E-06	1.06E-04	CABP4	-2.503	6.50E-03	2.01E-02
BLNK	-3.082	8.71E-05	7.67E-04	CABP7	-3.446	1.77E-03	7.23E-03
BMP2	-3.167	1.78E-02	4.50E-02	CABYR	-2.651	9.64E-04	4.54E-03
BMP4	-4.196	8.61E-05	7.59E-04	CALCR	-3.364	9.10E-03	2.63E-02
BMP6	-4.925	6.27E-05	6.11E-04	CALU	-2.177	1.08E-06	4.49E-05
BNC1	-2.255	8.63E-03	2.51E-02	CAMK4	-6.754	8.14E-03	2.39E-02
BRIP1	-2.526	4.48E-06	1.09E-04	CAPG	-2.258	8.29E-06	1.62E-04
BST2	-2.713	1.43E-03	6.16E-03	CARD11	-3.007	2.79E-03	1.03E-02
BTBD11	-2.079	3.68E-04	2.20E-03	CARD16	-2.996	1.70E-03	7.03E-03
BTG2	-2.462	8.97E-06	1.69E-04	CARD17	-2.837	2.22E-03	8.62E-03
BTK	-3.497	7.17E-05	6.71E-04	CARD6	-3.023	6.31E-06	1.35E-04
BVES	-2.625	1.25E-02	3.40E-02	CASP1	-3.068	8.34E-04	4.05E-03
C10orf55	-4.009	3.37E-03	1.19E-02	CASS4	-2.888	6.33E-04	3.31E-03
C11orf41	-2.546	1.09E-02	3.02E-02	CCDC169	-2.154	1.90E-02	4.75E-02
C11orf80	-2.806	1.27E-07	1.45E-05	CCDC169-SOHLH2	-2.168	4.67E-03	1.54E-02
C12orf59	-4.100	6.35E-04	3.31E-03	CCDC19	-2.370	7.95E-06	1.58E-04
C12orf70	-2.968	1.33E-02	3.56E-02	CCDC80	-2.593	9.04E-07	4.01E-05
C12orf75	-3.537	3.23E-07	2.29E-05	CCIN	-3.327	4.08E-03	1.38E-02
C13orf33	-2.291	1.46E-02	3.84E-02	CCL20	-3.759	4.35E-03	1.46E-02
C15orf59	-2.774	1.91E-05	2.74E-04	CCL3L1	-5.593	2.55E-03	9.62E-03
C17orf67	-2.903	6.05E-07	3.21E-05	CCL3L3	-5.593	2.55E-03	9.62E-03
C18orf56	-2.634	2.21E-03	8.59E-03	CCL4	-4.305	1.61E-02	4.16E-02
C19orf21	-3.669	1.42E-04	1.09E-03	CCND1	-2.871	3.87E-04	2.28E-03
C19orf33	-2.753	3.17E-05	3.80E-04	CCND2	-2.435	2.12E-03	8.33E-03
C19orf38	-2.781	3.23E-04	2.00E-03	CCNE2	-2.422	8.00E-03	2.36E-02
C1orf162	-2.536	3.69E-06	9.61E-05	CCR1	-3.497	2.38E-04	1.59E-03
C1orf168	-3.911	3.20E-04	1.98E-03	CCR2	-3.867	2.06E-03	8.15E-03
C1orf38	-2.941	9.07E-04	4.32E-03	CCR5	-3.120	2.70E-03	1.00E-02
C1QA	-2.643	1.30E-02	3.49E-02	CCRL1	-4.788	2.35E-07	1.97E-05
C1QB	-2.899	4.79E-03	1.57E-02	CD109	-3.536	1.13E-07	1.39E-05
C1QC	-2.754	7.63E-03	2.28E-02	CD14	-2.360	3.72E-04	2.22E-03
C1QTNF7	-3.683	3.46E-06	9.21E-05	CD163	-2.905	4.57E-03	1.52E-02
C20orf197	-2.786	1.49E-03	6.33E-03	CD163L1	-2.092	2.67E-03	9.98E-03
C21orf88	-2.557	3.57E-04	2.15E-03	CD180	-3.382	7.01E-04	3.56E-03
C2orf27A	-2.201	1.93E-03	7.73E-03	CD1C	-4.514	1.81E-03	7.36E-03
C2orf91	-3.610	4.69E-03	1.55E-02	CD200R1	-2.250	2.11E-04	1.45E-03
C3	-2.794	2.03E-03	8.06E-03	CD226	-2.825	1.88E-05	2.71E-04
C3AR1	-3.367	8.72E-04	4.20E-03	CD28	-2.435	1.68E-02	4.30E-02
C3orf70	-3.718	2.17E-05	2.95E-04	CD300E	-3.118	2.12E-03	8.31E-03
C4BPB	-4.686	9.45E-04	4.47E-03	CD300LB	-3.830	5.43E-03	1.74E-02
C4orf26	-6.123	4.33E-05	4.70E-04	CD33	-2.887	3.22E-03	1.15E-02
C5AR1	-2.795	2.70E-03	1.01E-02	CD37	-2.543	1.60E-03	6.68E-03
C5orf46	-3.844	8.83E-04	4.24E-03	CD3D	-4.527	1.08E-02	3.00E-02
C6orf132	-3.113	1.64E-05	2.47E-04	CD4	-2.254	1.37E-03	5.96E-03
C6orf174	-2.252	4.99E-03	1.62E-02	CD44	-3.717	6.17E-05	6.06E-04
C6orf97	-2.191	1.17E-04	9.42E-04	CD53	-3.241	1.26E-03	5.57E-03
C6orf99	-2.712	7.86E-03	2.33E-02	CD55	-2.156	1.89E-05	2.72E-04

CD6	-4.097	1.19E-02	3.26E-02	CNN1	-2.023	8.27E-03	2.42E-02
CD68	-2.877	4.35E-04	2.49E-03	CNTNAP2	-5.025	1.17E-03	5.27E-03
CD69	-3.924	1.35E-03	5.87E-03	COBLL1	-3.727	5.84E-03	1.84E-02
CD74	-2.285	1.65E-03	6.84E-03	COL10A1	-7.565	4.94E-07	2.94E-05
CD79B	-6.020	1.62E-03	6.77E-03	COL11A1	-6.145	1.00E-06	4.29E-05
CD84	-3.261	8.42E-05	7.47E-04	COL13A1	-3.931	3.42E-04	2.09E-03
CD86	-3.551	3.45E-04	2.10E-03	COL16A1	-3.820	4.73E-06	1.13E-04
CD93	-2.824	8.79E-04	4.23E-03	COL18A1	-2.562	1.67E-04	1.22E-03
CDA	-3.867	1.07E-02	2.99E-02	COL1A1	-3.218	1.33E-05	2.16E-04
CDCA5	-2.614	2.84E-03	1.05E-02	COL23A1	-3.137	2.11E-03	8.29E-03
CDCP1	-2.543	1.81E-02	4.56E-02	COL3A1	-2.414	8.54E-05	7.54E-04
CDH10	-8.298	7.08E-08	1.05E-05	COL4A1	-2.963	1.12E-05	1.95E-04
CDH13	-2.734	1.28E-02	3.44E-02	COL4A2	-2.358	1.84E-04	1.31E-03
CDH6	-5.110	3.40E-05	3.99E-04	COL5A1	-2.582	3.54E-05	4.10E-04
CDH8	-5.611	1.25E-04	9.92E-04	COL6A1	-2.046	4.26E-08	8.35E-06
CDK1	-2.974	1.47E-05	2.30E-04	COL6A2	-2.926	1.08E-05	1.90E-04
CDKL1	-3.727	2.46E-08	7.08E-06	COL6A6	-4.161	6.22E-05	6.08E-04
CDKN1A	-2.834	5.94E-08	9.47E-06	CORO1A	-3.271	4.58E-05	4.91E-04
CDKN2A	-4.076	2.50E-05	3.24E-04	CPA4	-6.108	2.27E-07	1.95E-05
CDKN2B	-3.527	8.96E-06	1.69E-04	CPE	-2.670	1.06E-02	2.97E-02
CDKN2B-AS1	-3.076	2.42E-03	9.23E-03	CPEB2	-2.463	2.25E-08	6.97E-06
CDKN3	-4.465	2.18E-04	1.49E-03	CPXM1	-3.041	1.72E-03	7.08E-03
CEACAM21	-4.275	1.42E-02	3.76E-02	CPZ	-3.339	2.86E-03	1.05E-02
CEBPA	-2.885	3.65E-03	1.27E-02	CRHBP	-5.073	1.10E-04	9.01E-04
CECR6	-2.760	1.54E-03	6.51E-03	CRISPLD1	-4.941	1.14E-08	5.46E-06
CELF2	-2.143	2.72E-06	7.92E-05	CRLF1	-2.074	1.36E-02	3.63E-02
CELSR1	-2.362	4.21E-04	2.43E-03	CRTAM	-4.174	5.37E-03	1.72E-02
CENPV	-2.020	2.12E-05	2.92E-04	CRYGN	-3.652	4.67E-03	1.54E-02
CEP55	-4.116	8.49E-06	1.65E-04	CSF1R	-2.722	4.46E-03	1.49E-02
CES1	-3.081	2.02E-02	4.98E-02	CSF2RB	-3.176	3.06E-03	1.11E-02
CFTR	-2.809	6.69E-03	2.05E-02	CSF3R	-3.306	2.61E-05	3.34E-04
CHI3L2	-3.007	1.08E-03	4.95E-03	CSGALNACT2	-2.031	3.87E-08	8.08E-06
CHN2	-3.098	3.16E-08	7.77E-06	CSN3	-7.400	1.69E-05	2.53E-04
CHRNA6	-3.508	2.36E-03	9.03E-03	CSRP2	-2.765	6.61E-08	9.99E-06
CHST11	-2.685	1.64E-03	6.83E-03	CST7	-3.724	1.66E-02	4.25E-02
CHST2	-2.912	1.58E-05	2.40E-04	CSTA	-4.011	2.96E-05	3.65E-04
CIITA	-2.691	9.79E-03	2.78E-02	CTHRC1	-4.676	1.41E-05	2.24E-04
CKAP2L	-3.203	1.05E-02	2.94E-02	CTLA4	-3.897	1.37E-02	3.65E-02
CLCF1	-2.792	2.54E-05	3.27E-04	CTNND2	-5.231	2.04E-05	2.86E-04
CLEC10A	-3.314	5.84E-03	1.84E-02	CTSS	-3.179	1.98E-04	1.39E-03
CLEC12A	-3.068	4.79E-03	1.57E-02	CTTNBP2	-2.877	1.59E-04	1.18E-03
CLEC12B	-3.784	1.70E-03	7.02E-03	CX3CR1	-3.154	9.78E-04	4.59E-03
CLEC18B	-2.045	1.35E-02	3.62E-02	CXCR1	-4.768	3.78E-03	1.30E-02
CLEC2B	-3.400	2.12E-04	1.46E-03	CXCR2	-2.597	1.01E-02	2.86E-02
CLEC4D	-3.336	1.61E-02	4.16E-02	CXorf21	-3.635	5.66E-04	3.04E-03
CLEC5A	-4.012	7.34E-05	6.83E-04	CYBB	-3.340	7.10E-04	3.59E-03
CLEC7A	-3.090	6.89E-04	3.51E-03	CYP19A1	-7.048	5.63E-03	1.79E-02
CLEC9A	-3.282	9.72E-03	2.77E-02	CYP24A1	-3.455	1.22E-02	3.31E-02
CLIC4	-2.556	5.94E-06	1.30E-04	CYSLTR1	-3.857	1.78E-04	1.28E-03
CLMP	-5.264	1.25E-05	2.08E-04	CYSLTR2	-2.628	1.42E-02	3.74E-02
CMKLR1	-2.699	8.16E-03	2.40E-02	CYTH4	-2.893	5.31E-03	1.71E-02
CMTM2	-3.220	1.50E-02	3.92E-02	CYTIP	-3.229	1.04E-02	2.92E-02

D4S234E	-4.356	1.16E-06	4.62E-05	EMB	-4.133	1.22E-05	2.05E-04
DAAM1	-2.160	4.35E-08	8.46E-06	EMBP1	-2.886	5.31E-06	1.22E-04
DACT1	-2.774	6.61E-04	3.40E-03	EMR2	-2.808	1.26E-04	9.95E-04
DACT2	-4.150	1.18E-02	3.23E-02	EMR3	-4.574	3.16E-03	1.13E-02
DAPP1	-3.357	5.89E-04	3.13E-03	EMR4P	-2.868	4.36E-03	1.46E-02
DCBLD1	-3.084	1.79E-06	6.09E-05	ENC1	-3.875	4.68E-06	1.12E-04
DCBLD2	-2.503	1.64E-06	5.79E-05	ENPP2	-3.267	5.73E-03	1.81E-02
DCDC2	-2.416	3.07E-04	1.92E-03	ENTPD1	-3.180	1.03E-05	1.84E-04
DCLK1	-2.946	1.98E-04	1.39E-03	EPB41L3	-2.748	3.83E-03	1.32E-02
DCX	-3.715	1.13E-04	9.17E-04	EPHB2	-3.416	6.60E-04	3.40E-03
DDIT4L	-2.185	2.89E-06	8.21E-05	EPHB6	-2.140	3.70E-04	2.21E-03
DEPDC7	-4.454	1.01E-06	4.33E-05	EPS8	-2.861	9.68E-09	5.31E-06
DGKI	-4.455	6.09E-07	3.21E-05	ERMN	-4.392	7.36E-03	2.22E-02
DIAPH3	-3.355	2.80E-04	1.80E-03	ESCO2	-2.015	1.93E-02	4.81E-02
DKK1	-5.307	4.57E-04	2.59E-03	ESM1	-3.379	8.95E-04	4.28E-03
DKK2	-2.868	5.42E-05	5.52E-04	ESR1	-2.547	1.56E-02	4.04E-02
DLC1	-2.508	7.20E-06	1.47E-04	ETV1	-2.393	4.29E-05	4.66E-04
DLEU1	-2.945	1.22E-03	5.44E-03	ETV7	-3.040	1.84E-03	7.44E-03
DLEU2	-2.881	2.33E-04	1.57E-03	EVI2A	-3.414	8.28E-04	4.04E-03
DLGAP5	-3.045	4.95E-03	1.61E-02	EVI2B	-3.478	3.77E-04	2.24E-03
DLK1	-5.199	6.86E-04	3.50E-03	EXO1	-2.457	5.82E-04	3.11E-03
DMD	-2.975	1.46E-03	6.24E-03	EXOSC4	-3.601	2.37E-03	9.09E-03
DMRTA1	-4.942	2.52E-05	3.26E-04	EYA1	-2.357	5.46E-05	5.55E-04
DOCK10	-3.189	3.15E-05	3.79E-04	F2R	-2.498	9.65E-03	2.75E-02
DOCK2	-3.039	2.83E-03	1.04E-02	F2RL1	-2.621	1.68E-03	6.96E-03
DOCK4	-3.084	2.07E-04	1.43E-03	F2RL2	-3.956	2.54E-05	3.27E-04
DOCK8	-2.196	6.01E-07	3.21E-05	F3	-2.759	1.92E-04	1.35E-03
DPP10	-2.310	7.99E-03	2.36E-02	FABP4	-4.421	1.35E-03	5.86E-03
DPP4	-4.127	1.07E-02	3.00E-02	FABP5	-2.410	8.72E-05	7.67E-04
DRAM1	-3.272	5.05E-05	5.27E-04	FAM101A	-4.152	3.45E-03	1.21E-02
DSC2	-2.054	1.13E-03	5.12E-03	FAM105A	-3.404	1.63E-05	2.46E-04
DSCAM	-4.378	3.49E-03	1.23E-02	FAM111B	-3.359	6.35E-04	3.31E-03
DSEL	-2.703	1.16E-06	4.62E-05	FAM124B	-2.568	4.41E-03	1.47E-02
DSG2	-2.468	1.02E-02	2.88E-02	FAM129A	-2.769	4.84E-05	5.13E-04
DSP	-3.137	1.64E-04	1.20E-03	FAM131B	-3.062	8.76E-05	7.69E-04
DYNLT3	-2.038	3.92E-06	1.01E-04	FAM149A	-2.474	7.74E-03	2.30E-02
DYSF	-4.207	1.71E-05	2.54E-04	FAM177B	-2.272	3.41E-03	1.20E-02
E2F7	-4.428	3.83E-04	2.26E-03	FAM180A	-3.514	1.38E-03	5.97E-03
ECE1	-2.365	6.38E-04	3.32E-03	FAM196A	-3.199	7.07E-03	2.15E-02
ECM1	-2.181	1.40E-03	6.04E-03	FAM198B	-3.607	9.29E-05	8.01E-04
ECRP	-4.736	8.83E-04	4.24E-03	FAM212B	-2.129	1.21E-05	2.04E-04
EDIL3	-5.837	2.73E-04	1.76E-03	FAM26E	-3.823	3.15E-05	3.78E-04
EDN2	-5.997	2.63E-05	3.35E-04	FAM26F	-2.346	1.99E-04	1.39E-03
EEF1DP3	-4.158	3.23E-03	1.15E-02	FAM49A	-2.614	6.99E-03	2.13E-02
EFCAB10	-4.999	9.88E-05	8.37E-04	FAM64A	-3.977	5.35E-03	1.72E-02
EFNB2	-5.071	3.24E-08	7.80E-06	FAM70A	-3.968	3.17E-04	1.97E-03
EGR2	-4.927	1.70E-02	4.35E-02	FAM78A	-2.069	1.20E-04	9.60E-04
EGR3	-5.175	9.16E-03	2.64E-02	FAM81B	-4.279	2.13E-03	8.35E-03
EIF3IP1	-3.307	1.75E-03	7.16E-03	FAP	-2.878	5.34E-07	3.07E-05
ELMO1	-2.408	3.87E-04	2.28E-03	FAS	-3.110	1.22E-07	1.45E-05
ELN	-4.609	1.46E-05	2.29E-04	FBLN1	-2.988	1.13E-04	9.19E-04
ELTD1	-4.487	1.06E-03	4.91E-03	FBLN2	-2.887	1.04E-02	2.93E-02

FBLN5	-3.266	5.10E-08	9.23E-06	FYN	-2.569	3.81E-04	2.25E-03
FBN1	-2.815	9.27E-06	1.72E-04	FZD10	-3.334	1.32E-03	5.75E-03
FBN2	-5.309	4.02E-06	1.03E-04	FZD6	-2.261	1.03E-07	1.33E-05
FCAR	-4.052	3.72E-03	1.29E-02	FZD8	-3.368	8.81E-06	1.68E-04
FCER1A	-3.470	1.29E-04	1.01E-03	GABRA5	-9.320	3.49E-09	3.15E-06
FCER1G	-3.434	2.31E-05	3.07E-04	GADD45A	-2.575	5.47E-07	3.09E-05
FCGR1A	-3.401	1.00E-03	4.68E-03	GAL3ST4	-2.972	2.03E-04	1.41E-03
FCGR1B	-3.500	1.19E-03	5.34E-03	GALNT1	-3.109	3.29E-08	7.80E-06
FCGR1C	-3.457	1.28E-03	5.63E-03	GAPT	-3.640	3.90E-04	2.29E-03
FCGR2A	-3.515	8.79E-04	4.22E-03	GAS7	-2.747	3.56E-05	4.12E-04
FCGR2B	-3.113	1.59E-03	6.67E-03	GATA2	-2.438	2.96E-03	1.08E-02
FCGR2C	-2.950	4.59E-03	1.52E-02	GATA6	-4.057	1.22E-03	5.43E-03
FCGR3A	-3.602	4.48E-04	2.54E-03	GBP1	-2.686	4.44E-03	1.48E-02
FCGR3B	-3.617	6.62E-04	3.41E-03	GBP2	-2.680	9.53E-03	2.72E-02
FERMT1	-2.048	5.23E-03	1.69E-02	GCNT1	-4.276	2.36E-07	1.97E-05
FERMT3	-2.091	2.22E-04	1.51E-03	GCNT2	-2.763	9.21E-04	4.38E-03
FETUB	-7.393	1.15E-06	4.62E-05	GCNT4	-4.781	1.94E-05	2.77E-04
FFAR2	-3.533	1.40E-03	6.03E-03	GDF15	-2.057	1.40E-02	3.72E-02
FGD2	-2.396	2.38E-03	9.11E-03	GDF7	-2.780	2.61E-03	9.79E-03
FGD4	-2.800	1.83E-08	6.40E-06	GDNF	-6.557	1.20E-05	2.03E-04
FGF1	-5.028	1.41E-07	1.51E-05	GEM	-2.208	3.33E-05	3.92E-04
FGL2	-3.533	1.05E-03	4.85E-03	GFPT2	-2.013	1.49E-02	3.90E-02
FGR	-2.126	7.69E-03	2.29E-02	GFRA1	-3.903	1.62E-04	1.19E-03
FHAD1	-2.573	5.37E-04	2.92E-03	GGH	-2.035	5.51E-05	5.58E-04
FHOD3	-3.989	1.82E-05	2.64E-04	GGTA1P	-3.195	2.55E-03	9.60E-03
FIBCD1	-4.437	3.69E-04	2.21E-03	GIMAP1	-2.592	3.01E-03	1.09E-02
FIBIN	-2.267	1.19E-02	3.26E-02	GIMAP1-GIMAP5	-2.451	9.14E-03	2.64E-02
FILIP1L	-2.088	2.83E-03	1.04E-02	GIMAP2	-2.949	2.05E-05	2.86E-04
FLJ13224	-2.203	6.51E-03	2.01E-02	GIMAP4	-3.658	3.45E-04	2.11E-03
FLJ16779	-6.702	6.51E-06	1.38E-04	GIMAP5	-2.565	1.17E-02	3.22E-02
FLJ31485	-4.006	4.04E-04	2.35E-03	GIMAP6	-3.278	1.87E-03	7.56E-03
FLJ35282	-5.330	1.99E-05	2.81E-04	GIMAP7	-3.956	3.58E-04	2.16E-03
FLJ44635	-2.233	1.82E-04	1.30E-03	GIMAP8	-2.771	1.06E-02	2.96E-02
FLNC	-4.437	6.09E-08	9.47E-06	GIPC2	-2.239	1.22E-02	3.32E-02
FLRT2	-3.260	7.27E-05	6.79E-04	GLDN	-4.770	7.70E-03	2.29E-02
FLT1	-3.868	2.75E-05	3.45E-04	GLI2	-2.932	1.48E-06	5.42E-05
FMN1	-2.338	2.23E-05	3.01E-04	GLIPR1	-5.025	5.63E-08	9.47E-06
FMNL1	-2.481	5.59E-06	1.26E-04	GLP2R	-7.034	8.63E-05	7.61E-04
FMNL2	-2.048	2.22E-08	6.97E-06	GMFG	-3.114	3.16E-05	3.79E-04
FMNL3	-2.862	2.32E-04	1.57E-03	GNA15	-2.758	1.56E-03	6.57E-03
FMOD	-2.301	1.70E-04	1.24E-03	GNAI1	-3.606	6.45E-05	6.24E-04
FNDC1	-5.349	1.49E-06	5.46E-05	GNB4	-3.295	1.90E-04	1.34E-03
FOXF2	-2.633	1.56E-02	4.05E-02	GNG2	-3.658	8.46E-05	7.50E-04
FOXL1	-3.132	6.41E-05	6.22E-04	GNGT2	-3.291	2.73E-03	1.01E-02
FPR1	-3.446	7.14E-04	3.60E-03	GPC3	-2.605	1.34E-02	3.59E-02
FPR2	-3.611	1.16E-02	3.19E-02	GPM6B	-3.693	3.91E-04	2.29E-03
FPR3	-3.329	1.80E-03	7.32E-03	GPR1	-3.798	2.83E-05	3.53E-04
FRAS1	-2.453	1.31E-05	2.15E-04	GPR114	-2.529	1.35E-02	3.60E-02
FSHR	-8.986	1.52E-06	5.53E-05	GPR126	-2.976	5.12E-04	2.82E-03
FST	-4.339	8.09E-03	2.38E-02	GPR132	-2.756	3.65E-03	1.27E-02
FXYD5	-2.313	1.12E-02	3.10E-02	GPR141	-3.453	6.91E-03	2.11E-02
FYB	-3.236	2.71E-03	1.01E-02	GPR160	-2.004	1.33E-05	2.16E-04

GPR176	-2.960	4.36E-05	4.72E-04	HIST1H2BI	-4.306	7.16E-06	1.46E-04
GPR183	-3.801	1.30E-03	5.70E-03	HIST1H2BK	-3.080	1.17E-05	1.99E-04
GPR34	-3.478	3.07E-04	1.92E-03	HIST1H2BM	-3.733	1.09E-03	5.01E-03
GPR68	-4.877	1.45E-02	3.82E-02	HIST1H2BO	-3.982	6.57E-04	3.39E-03
GPR77	-3.278	4.22E-03	1.42E-02	HIST1H3B	-2.302	6.24E-04	3.27E-03
GPR82	-2.993	8.71E-04	4.20E-03	HIST1H3F	-2.713	1.58E-02	4.10E-02
GPR85	-4.610	1.02E-05	1.83E-04	HIST1H3G	-4.817	5.12E-04	2.82E-03
GPR97	-5.950	1.94E-04	1.36E-03	HIST1H3H	-2.332	1.81E-02	4.56E-02
GPRC5B	-2.087	1.82E-02	4.59E-02	HIST1H3I	-3.429	3.00E-03	1.09E-02
GPRIN3	-3.138	6.32E-03	1.96E-02	HIST1H3J	-3.476	5.92E-03	1.86E-02
GP5M2	-2.897	5.65E-03	1.79E-02	HIST1H4F	-3.509	2.19E-04	1.49E-03
GPX1	-2.426	3.74E-07	2.45E-05	HIST1H4I	-4.209	8.95E-06	1.69E-04
GREB1L	-4.871	2.68E-07	2.10E-05	HIST1H4K	-3.094	5.33E-03	1.71E-02
GREM1	-5.875	1.10E-03	5.03E-03	HIST1H4L	-3.959	7.64E-03	2.28E-02
GREM2	-7.013	2.81E-04	1.80E-03	HK3	-2.522	2.12E-03	8.31E-03
GRIA3	-3.483	3.05E-06	8.46E-05	HLA-DQA1	-3.316	5.03E-03	1.63E-02
GRM5	-3.285	3.94E-03	1.35E-02	HLA-DRB5	-3.778	1.28E-02	3.44E-02
GRM8	-3.919	1.27E-03	5.60E-03	HLX	-3.309	1.63E-03	6.81E-03
GSG2	-2.990	1.09E-02	3.04E-02	HMCN1	-5.333	3.19E-07	2.27E-05
GSTA1	-7.261	3.31E-07	2.32E-05	HMGGA2	-3.346	5.71E-03	1.81E-02
GUCY1B3	-3.772	7.06E-03	2.15E-02	HMGB3	-2.355	6.03E-06	1.32E-04
GYPC	-2.111	4.05E-05	4.48E-04	HMOX1	-2.505	1.41E-02	3.74E-02
HAMP	-2.513	8.42E-03	2.46E-02	HOXB7	-5.454	1.50E-02	3.93E-02
HAPLN4	-3.488	2.38E-03	9.10E-03	HPGDS	-4.282	6.79E-05	6.46E-04
HAVCR2	-2.643	2.10E-03	8.27E-03	HRCT1	-3.638	7.40E-03	2.22E-02
HBB	-3.429	1.37E-02	3.66E-02	HRH1	-3.249	1.82E-05	2.64E-04
HBG1	-2.879	1.95E-02	4.85E-02	HS3ST3A1	-2.141	1.46E-02	3.83E-02
HBG2	-3.005	1.31E-02	3.52E-02	HS6ST2	-4.721	2.85E-05	3.56E-04
HCK	-2.931	2.47E-03	9.38E-03	HSPA6	-2.572	1.17E-02	3.21E-02
HCLS1	-2.491	2.33E-05	3.08E-04	HSPB8	-2.796	1.68E-02	4.29E-02
HCST	-2.853	1.75E-06	6.03E-05	HTR2A	-5.626	1.79E-04	1.29E-03
HDAC9	-2.206	1.99E-04	1.39E-03	HTR7	-3.376	2.20E-04	1.50E-03
HDC	-3.664	3.85E-03	1.32E-02	HTRA4	-2.822	7.77E-03	2.31E-02
HECW1	-5.086	3.22E-03	1.15E-02	HVCN1	-2.520	2.62E-04	1.72E-03
HECW2	-2.499	1.40E-03	6.05E-03	ICOS	-3.959	1.97E-02	4.87E-02
HEMGN	-2.542	4.53E-03	1.50E-02	IFI27	-3.621	1.24E-04	9.84E-04
HERC5	-2.106	1.69E-04	1.23E-03	IFI30	-3.083	5.21E-06	1.20E-04
HERC6	-2.074	2.38E-04	1.59E-03	IFI44L	-2.121	1.70E-03	7.01E-03
HGF	-3.039	2.07E-03	8.17E-03	IFITM1	-2.666	1.18E-04	9.49E-04
HHEX	-3.458	4.69E-04	2.63E-03	IGFBP3	-2.144	4.95E-06	1.16E-04
HHIPL2	-2.391	6.05E-03	1.89E-02	IGFBP4	-3.729	4.66E-05	4.97E-04
HIP1	-2.029	7.48E-05	6.93E-04	IGSF10	-2.691	1.38E-03	5.97E-03
HIST1H1B	-3.694	6.88E-05	6.52E-04	IGSF21	-2.853	6.84E-03	2.09E-02
HIST1H1D	-2.957	1.10E-03	5.03E-03	IGSF5	-2.288	5.54E-04	2.99E-03
HIST1H2AG	-3.602	1.35E-05	2.18E-04	IGSF6	-3.816	2.64E-04	1.72E-03
HIST1H2AH	-3.096	1.75E-04	1.27E-03	IKBIP	-2.171	4.21E-08	8.35E-06
HIST1H2AI	-3.693	2.92E-04	1.85E-03	IKZF1	-3.429	2.31E-03	8.89E-03
HIST1H2AJ	-5.085	4.10E-07	2.61E-05	IL10RA	-2.710	8.07E-03	2.38E-02
HIST1H2AL	-4.026	1.76E-06	6.03E-05	IL11	-2.300	7.19E-04	3.63E-03
HIST1H2AM	-3.247	2.98E-03	1.08E-02	IL12A	-5.273	1.99E-04	1.39E-03
HIST1H2BF	-2.235	1.85E-02	4.65E-02	IL12RB1	-2.974	1.28E-02	3.46E-02
HIST1H2BH	-4.455	6.01E-05	5.96E-04	IL13RA2	-2.597	5.01E-04	2.77E-03

IL16	-2.780	8.23E-03	2.41E-02	KCNQ3	-3.347	8.26E-03	2.42E-02
IL17D	-2.259	1.20E-02	3.29E-02	KCNQ5	-2.956	1.43E-03	6.15E-03
IL18	-2.216	6.08E-07	3.21E-05	KCNT2	-2.915	1.27E-07	1.45E-05
IL18R1	-2.767	9.34E-03	2.68E-02	KCTD16	-3.626	6.14E-06	1.33E-04
IL1B	-3.907	2.13E-04	1.47E-03	KIAA0748	-3.686	1.59E-02	4.11E-02
IL1R1	-3.760	6.49E-06	1.38E-04	KIAA0922	-2.449	1.38E-05	2.20E-04
IL1RN	-3.695	1.70E-03	7.00E-03	KIAA1274	-2.296	4.21E-04	2.43E-03
IL21R	-3.628	2.01E-02	4.97E-02	KIAA1462	-2.741	4.71E-07	2.84E-05
IL2RG	-2.993	1.88E-02	4.70E-02	KIAA1644	-2.994	2.89E-03	1.06E-02
IL4R	-2.850	5.49E-03	1.75E-02	KIAA1755	-3.992	9.08E-04	4.33E-03
ILDR2	-2.338	6.27E-04	3.28E-03	KIF21B	-2.317	3.64E-03	1.27E-02
INHBA	-5.595	5.02E-06	1.17E-04	KIF23	-2.142	3.31E-05	3.91E-04
INPP5D	-3.030	1.07E-06	4.46E-05	KIRREL3	-2.552	1.55E-02	4.04E-02
IP6K3	-2.193	5.32E-03	1.71E-02	KLHL4	-5.021	5.86E-05	5.85E-04
IQCJ	-3.748	4.05E-03	1.38E-02	KLHL6	-3.063	4.45E-03	1.48E-02
IRAK3	-2.558	6.60E-04	3.40E-03	KLK5	-5.953	1.67E-03	6.92E-03
IRF4	-3.203	8.23E-03	2.41E-02	KLK6	-8.495	5.11E-07	3.01E-05
IRF5	-2.304	5.28E-04	2.89E-03	KLRC4-KLRK1	-3.244	1.41E-02	3.73E-02
IRF8	-3.018	3.55E-03	1.24E-02	KLRK1	-3.274	1.48E-02	3.87E-02
ISG15	-2.442	1.74E-04	1.26E-03	KMO	-2.486	1.35E-02	3.61E-02
ISL1	-7.209	6.11E-03	1.91E-02	KRT1	-7.432	6.51E-04	3.37E-03
ISLR	-4.007	4.08E-03	1.38E-02	KRT17	-2.617	4.46E-04	2.53E-03
ITGA11	-5.103	2.51E-05	3.25E-04	KRT7	-2.280	1.55E-02	4.03E-02
ITGA2	-2.217	2.74E-04	1.77E-03	KYNU	-3.200	4.09E-04	2.37E-03
ITGA4	-2.292	2.68E-03	1.00E-02	LAIR1	-3.021	1.88E-04	1.33E-03
ITGA9	-2.612	1.15E-06	4.62E-05	LAMA1	-2.328	1.10E-02	3.05E-02
ITGAL	-2.899	2.22E-03	8.62E-03	LAMA3	-2.070	1.33E-02	3.58E-02
ITGAM	-2.668	1.06E-02	2.98E-02	LAMA4	-5.617	2.94E-07	2.21E-05
ITGAX	-2.667	1.87E-02	4.68E-02	LAMP5	-3.673	7.30E-03	2.20E-02
ITGB2	-2.717	8.37E-03	2.45E-02	LANCL3	-2.619	6.34E-03	1.97E-02
ITGB3	-3.115	2.73E-05	3.44E-04	LAPTM5	-3.175	1.96E-03	7.82E-03
ITGB6	-3.047	1.09E-02	3.04E-02	LAT2	-2.422	8.62E-06	1.67E-04
ITIH5	-2.167	5.88E-03	1.85E-02	LAYN	-2.163	2.35E-05	3.10E-04
JPH3	-5.937	8.48E-05	7.51E-04	LCN2	-4.825	7.28E-03	2.20E-02
KAAG1	-4.099	5.25E-03	1.69E-02	LCP1	-2.632	3.76E-05	4.26E-04
KAL1	-2.636	4.62E-03	1.53E-02	LCP2	-3.211	2.59E-03	9.74E-03
KCNA4	-3.747	7.29E-03	2.20E-02	LEFTY2	-4.850	1.85E-05	2.68E-04
KCNAB1	-2.948	5.85E-04	3.12E-03	LFNG	-2.572	7.60E-04	3.78E-03
KCNE4	-3.803	6.53E-06	1.38E-04	LGALS9	-2.418	1.89E-03	7.60E-03
KCNH1	-4.297	1.44E-03	6.20E-03	LGI2	-2.694	3.98E-03	1.36E-02
KCNIP1	-3.321	6.39E-07	3.33E-05	LGSN	-4.038	3.29E-03	1.17E-02
KCNJ12	-3.196	8.65E-03	2.52E-02	LIF	-2.343	3.69E-04	2.21E-03
KCNJ15	-2.258	2.01E-02	4.97E-02	LIFR	-3.147	4.22E-06	1.06E-04
KCNJ16	-6.056	2.64E-05	3.36E-04	LILRA1	-3.389	8.94E-04	4.28E-03
KCNJ18	-3.230	9.09E-03	2.62E-02	LILRA2	-3.040	3.97E-03	1.35E-02
KCNJ3	-4.277	3.11E-04	1.94E-03	LILRA6	-3.086	4.63E-03	1.53E-02
KCNJ8	-3.843	7.71E-04	3.82E-03	LILRB1	-2.636	4.47E-03	1.49E-02
KCNK13	-4.135	1.63E-03	6.80E-03	LILRB2	-2.905	2.47E-03	9.37E-03
KCNK6	-2.398	7.71E-04	3.82E-03	LILRB3	-3.241	5.44E-03	1.74E-02
KCNMA1	-2.478	2.69E-03	1.00E-02	LINC00256A	-7.581	8.93E-05	7.78E-04
KCNMB1	-2.235	1.63E-02	4.18E-02	LINC00327	-3.126	6.15E-03	1.92E-02
KCNN4	-2.792	1.18E-02	3.23E-02	LINC00340	-3.539	9.22E-06	1.72E-04

LINC00475	-3.704	8.64E-05	7.61E-04	LRRRC15	-3.063	5.22E-03	1.68E-02
LIPC	-7.320	3.89E-05	4.36E-04	LRRRC17	-2.049	1.54E-05	2.38E-04
LIPH	-3.795	2.42E-03	9.23E-03	LRRRC25	-2.177	1.98E-02	4.90E-02
LITAF	-2.211	6.82E-06	1.43E-04	LRRRC33	-2.118	1.75E-02	4.43E-02
LMO2	-3.147	2.31E-05	3.07E-04	LRRRC4C	-5.807	4.95E-05	5.20E-04
LMO4	-2.164	5.64E-06	1.26E-04	LRRK1	-2.036	6.46E-03	1.99E-02
LOC100128750	-3.887	4.98E-03	1.62E-02	LRRTM2	-4.413	3.19E-04	1.98E-03
LOC100131234	-3.192	5.64E-03	1.79E-02	LSP1	-2.450	7.96E-05	7.20E-04
LOC100132735	-7.304	4.51E-04	2.56E-03	LTBP2	-2.103	4.67E-03	1.54E-02
LOC100132891	-5.047	6.94E-03	2.12E-02	LURAP1L	-2.321	5.27E-08	9.30E-06
LOC100190940	-4.153	7.66E-05	7.03E-04	LY86	-4.126	1.81E-04	1.30E-03
LOC100233209	-3.502	5.75E-04	3.08E-03	LY96	-3.187	8.15E-05	7.30E-04
LOC100287216	-3.480	1.17E-02	3.21E-02	LYN	-2.270	5.05E-06	1.18E-04
LOC100499467	-3.635	7.53E-03	2.26E-02	LYPD1	-2.398	7.28E-05	6.80E-04
LOC100505702	-3.517	2.19E-05	2.97E-04	LYPD6B	-2.362	8.12E-04	3.97E-03
LOC100505718	-7.271	1.84E-05	2.66E-04	LYZ	-3.526	6.34E-04	3.31E-03
LOC100505746	-2.920	8.79E-03	2.55E-02	MAP1B	-3.128	4.39E-07	2.70E-05
LOC100505812	-2.643	2.39E-05	3.13E-04	MAPK12	-3.299	3.01E-06	8.42E-05
LOC100506385	-6.354	7.98E-06	1.58E-04	MARCH1	-3.344	7.00E-05	6.60E-04
LOC100506394	-2.701	3.47E-05	4.05E-04	MARCKS	-3.029	2.96E-04	1.87E-03
LOC100507254	-4.534	5.44E-05	5.53E-04	MASP1	-2.038	1.02E-03	4.73E-03
LOC100507632	-4.593	1.98E-06	6.48E-05	MATK	-3.737	7.55E-03	2.26E-02
LOC148824	-2.977	9.71E-03	2.77E-02	MATN3	-3.253	1.81E-03	7.36E-03
LOC152225	-3.233	2.27E-03	8.79E-03	MBOAT1	-2.451	7.49E-05	6.94E-04
LOC152742	-3.703	7.95E-04	3.91E-03	MCOLN2	-3.134	1.66E-03	6.88E-03
LOC285758	-3.952	3.32E-04	2.04E-03	MCOLN3	-3.769	1.34E-04	1.04E-03
LOC375010	-3.544	4.35E-06	1.07E-04	MCTP1	-4.495	5.37E-04	2.92E-03
LOC388630	-4.055	1.55E-03	6.54E-03	MCTP2	-3.810	3.09E-06	8.51E-05
LOC606724	-3.212	3.40E-03	1.20E-02	MDFI	-4.373	1.25E-05	2.08E-04
LOC642366	-7.270	1.94E-02	4.83E-02	MDGA1	-2.089	2.90E-04	1.84E-03
LOC643401	-3.471	1.88E-06	6.27E-05	MDM2	-2.684	8.59E-09	5.31E-06
LOC643650	-4.250	9.41E-05	8.10E-04	MECOM	-4.636	2.19E-04	1.49E-03
LOC645638	-2.146	2.14E-04	1.47E-03	MEF2C	-3.302	3.02E-05	3.70E-04
LOC727982	-9.121	2.90E-07	2.19E-05	MEG3	-4.509	6.78E-05	6.46E-04
LOC728643	-4.858	1.80E-04	1.29E-03	MEG8	-4.068	2.64E-03	9.87E-03
LOC728739	-5.572	7.11E-05	6.67E-04	MEIS2	-3.416	8.75E-05	7.68E-04
LOC728875	-4.077	1.75E-02	4.44E-02	MELK	-2.603	5.25E-03	1.69E-02
LOC728978	-6.242	1.09E-05	1.92E-04	MEST	-2.466	1.42E-08	6.08E-06
LOC80054	-3.589	6.21E-03	1.93E-02	MEX3B	-2.859	8.15E-05	7.30E-04
LOC90246	-3.208	2.60E-05	3.33E-04	MFAP2	-2.230	8.91E-06	1.69E-04
LOX	-3.215	2.39E-06	7.24E-05	MFAP4	-2.845	2.42E-06	7.29E-05
LOXL2	-2.037	3.35E-03	1.19E-02	MFAP5	-7.926	2.75E-07	2.15E-05
LOXL4	-3.034	6.09E-04	3.21E-03	MFGE8	-3.002	9.70E-04	4.56E-03
LPAR4	-6.669	9.82E-08	1.30E-05	MFNG	-2.491	1.42E-02	3.75E-02
LPAR5	-3.025	4.78E-04	2.67E-03	MGAM	-2.336	3.12E-03	1.12E-02
LPAR6	-3.227	1.32E-07	1.47E-05	MGC45800	-3.550	1.70E-04	1.24E-03
LPCAT2	-3.219	7.05E-05	6.62E-04	MICAL1	-2.177	2.98E-04	1.88E-03
LPHN3	-3.616	1.04E-02	2.93E-02	MILR1	-3.173	6.86E-04	3.50E-03
LPL	-4.174	5.78E-03	1.82E-02	MIR1245A	-4.951	1.23E-02	3.35E-02
LRCH2	-2.047	3.93E-03	1.34E-02	MIR143HG	-2.314	4.59E-03	1.52E-02
LRMP	-3.077	2.09E-04	1.44E-03	MIR21	-3.563	7.46E-06	1.50E-04
LRP2	-5.733	5.83E-09	4.53E-06	MIR221	-4.501	1.16E-03	5.24E-03

MIR223	-3.687	6.28E-03	1.95E-02	NDST4	-5.317	4.13E-04	2.39E-03
MIR335	-3.037	1.33E-04	1.04E-03	NEB	-2.017	1.33E-02	3.56E-02
MIR3606	-2.022	9.68E-04	4.56E-03	NEDD4	-2.232	3.46E-07	2.38E-05
MIR3676	-2.277	2.63E-03	9.85E-03	NEGR1	-3.379	6.03E-04	3.19E-03
MIR433	-5.546	3.70E-04	2.21E-03	NEIL3	-4.057	1.46E-03	6.25E-03
MIR548AA1	-5.294	2.47E-04	1.64E-03	NEK10	-2.521	9.79E-04	4.60E-03
MIR654	-6.248	5.30E-05	5.45E-04	NETO2	-4.186	1.89E-04	1.33E-03
MIR668	-5.197	2.27E-03	8.78E-03	NEURL1B	-3.129	4.42E-04	2.51E-03
MKI67	-3.118	3.94E-04	2.30E-03	NEXN	-3.170	3.50E-07	2.38E-05
MKRN9P	-3.403	1.49E-04	1.13E-03	NFAM1	-3.186	2.42E-03	9.22E-03
MKX	-3.017	2.02E-02	4.99E-02	NFATC2	-2.408	2.62E-04	1.72E-03
MLF1IP	-2.205	1.26E-05	2.08E-04	NFE2L3	-3.178	8.04E-04	3.94E-03
MLKL	-2.215	2.81E-05	3.51E-04	NFKBIZ	-2.589	1.13E-04	9.20E-04
MMP2	-4.282	8.97E-06	1.69E-04	NGF	-2.340	1.24E-02	3.36E-02
MMP23B	-3.946	1.17E-02	3.20E-02	NHLH2	-4.531	2.89E-04	1.83E-03
MNDA	-4.148	1.47E-05	2.30E-04	NID2	-3.230	3.89E-05	4.36E-04
MOB3B	-2.225	1.09E-06	4.52E-05	NIPAL4	-6.199	2.49E-04	1.65E-03
MOGAT2	-3.798	4.40E-03	1.47E-02	NKAIN2	-8.222	2.43E-06	7.31E-05
MPEG1	-3.060	1.35E-03	5.89E-03	NKAIN3	-6.032	2.27E-05	3.04E-04
MPPED2	-3.277	2.66E-03	9.94E-03	NKAIN4	-7.600	1.18E-06	4.64E-05
MRC1	-2.435	1.01E-02	2.86E-02	NLGN1	-4.152	2.54E-04	1.67E-03
MS4A14	-2.959	4.65E-03	1.54E-02	NLRP10	-3.931	1.88E-03	7.58E-03
MS4A4A	-3.509	2.94E-04	1.86E-03	NLRP12	-3.659	2.17E-03	8.48E-03
MS4A6A	-3.445	4.90E-04	2.72E-03	NNMT	-3.717	7.88E-05	7.15E-04
MS4A7	-3.312	1.50E-03	6.37E-03	NOV	-3.777	4.85E-04	2.70E-03
MSLN	-2.681	4.61E-03	1.53E-02	NOX4	-3.284	6.67E-04	3.43E-03
MSR1	-3.607	3.89E-04	2.29E-03	NPL	-2.115	4.91E-07	2.93E-05
MT1E	-3.047	2.08E-05	2.89E-04	NPPB	-4.704	8.71E-03	2.53E-02
MT1F	-2.201	5.62E-04	3.02E-03	NPTX1	-5.494	5.15E-04	2.83E-03
MT1G	-2.647	1.93E-03	7.73E-03	NR2F1	-2.327	4.63E-04	2.61E-03
MT1L	-4.325	1.92E-06	6.35E-05	NR4A2	-4.498	1.94E-02	4.81E-02
MT2A	-3.699	1.75E-05	2.58E-04	NR4A3	-5.017	2.31E-03	8.91E-03
MUC16	-4.310	4.85E-03	1.59E-02	NRCAM	-2.186	2.04E-03	8.06E-03
MUC4	-4.703	3.37E-03	1.19E-02	NRP1	-2.309	4.18E-07	2.63E-05
MUC7	-5.074	3.01E-03	1.09E-02	NRP2	-3.163	4.54E-04	2.57E-03
MX2	-3.360	4.79E-08	9.06E-06	NTM	-5.496	1.14E-06	4.62E-05
MXRA5	-3.733	3.83E-04	2.26E-03	NUDT10	-2.842	4.77E-06	1.13E-04
MYBL2	-3.338	5.55E-03	1.77E-02	NUSAP1	-2.072	7.65E-05	7.03E-04
MYH2	-3.663	2.80E-03	1.03E-02	NXF3	-4.883	1.28E-03	5.63E-03
MYL3	-3.363	1.02E-02	2.87E-02	OAS2	-2.680	1.17E-05	1.99E-04
MYLK	-3.774	1.69E-04	1.24E-03	OASL	-2.083	2.77E-03	1.03E-02
MYO1F	-2.870	1.87E-03	7.56E-03	OBFC2A	-2.434	2.46E-04	1.63E-03
NAPSB	-2.903	6.06E-03	1.90E-02	ODC1	-2.418	7.58E-10	1.59E-06
NAV3	-5.290	2.20E-06	6.88E-05	ODZ3	-2.072	4.87E-05	5.15E-04
NCAPG	-2.301	2.66E-04	1.73E-03	OGFRL1	-2.216	3.03E-09	3.03E-06
NCF1	-2.536	5.98E-03	1.88E-02	OLR1	-4.182	9.03E-04	4.31E-03
NCF1B	-2.683	7.48E-03	2.24E-02	OMD	-4.720	3.90E-05	4.36E-04
NCF1C	-2.251	1.62E-02	4.16E-02	OPALIN	-8.746	3.83E-03	1.32E-02
NCF2	-3.886	5.29E-05	5.45E-04	OR2W3	-3.333	2.44E-03	9.27E-03
NCF4	-3.045	4.73E-04	2.65E-03	OR52K2	-3.660	1.04E-02	2.91E-02
NCKAP1L	-3.168	1.06E-03	4.91E-03	OSBPL10	-2.102	6.44E-06	1.37E-04
NDC80	-2.740	6.10E-03	1.90E-02	OSBPL6	-2.171	1.72E-03	7.08E-03

OXGR1	-3.843	9.76E-03	2.78E-02	PLA2G2A	-4.447	8.00E-04	3.92E-03
OXTR	-2.456	4.88E-03	1.60E-02	PLA2G7	-4.777	1.72E-02	4.38E-02
P2RY12	-4.114	8.57E-05	7.56E-04	PLAC9	-3.714	3.33E-05	3.93E-04
P2RY13	-2.979	5.77E-03	1.82E-02	PLAU	-2.949	1.93E-03	7.73E-03
P2RY6	-2.720	5.69E-03	1.80E-02	PLAUR	-2.048	7.56E-04	3.77E-03
P4HA3	-2.606	9.72E-07	4.21E-05	PLCB2	-2.855	1.97E-03	7.84E-03
PABPC4L	-5.093	1.65E-04	1.21E-03	PLCL2	-2.844	2.77E-04	1.78E-03
PADI2	-3.373	1.18E-02	3.22E-02	PLCXD2	-2.332	1.32E-05	2.16E-04
PAG1	-2.560	1.64E-03	6.83E-03	PLEK	-3.206	4.39E-05	4.74E-04
PAH	-4.990	2.12E-07	1.89E-05	PLEKHG7	-5.318	1.63E-03	6.80E-03
PAK3	-3.610	3.68E-06	9.61E-05	PLEKHO1	-2.615	5.91E-05	5.88E-04
PALM	-3.408	3.48E-07	2.38E-05	PLK2	-2.275	1.36E-03	5.90E-03
PALM2-AKAP2	-2.870	8.78E-05	7.69E-04	PLOD2	-2.031	2.74E-04	1.77E-03
PALMD	-5.611	8.29E-07	3.83E-05	PLS3	-4.527	1.34E-06	5.09E-05
PAPSS2	-2.984	5.96E-04	3.16E-03	PLXNA2	-2.431	5.65E-04	3.04E-03
PARM1	-3.438	1.63E-03	6.80E-03	PLXNA4	-4.408	2.45E-05	3.19E-04
PARP8	-2.666	3.83E-06	9.89E-05	PMAIP1	-4.736	2.57E-04	1.69E-03
PARVG	-2.763	4.77E-03	1.57E-02	PMEPA1	-3.631	7.24E-07	3.56E-05
PAX2	-4.451	6.48E-03	2.00E-02	PODN	-2.382	7.11E-03	2.16E-02
PCDH10	-3.456	1.82E-02	4.59E-02	POSTN	-7.673	6.53E-06	1.38E-04
PCDH11X	-8.425	2.41E-08	7.08E-06	PPAPDC1A	-4.889	1.10E-05	1.92E-04
PCDH11Y	-4.411	1.78E-05	2.60E-04	PPARG	-4.783	6.81E-04	3.48E-03
PCDH9	-6.143	2.73E-06	7.94E-05	PPP1R1C	-2.482	1.12E-05	1.95E-04
PCSK5	-2.357	1.75E-03	7.17E-03	PPP1R3C	-3.061	3.37E-05	3.95E-04
PCYT1B	-2.692	7.86E-05	7.15E-04	PPP4R4	-4.306	3.75E-10	1.31E-06
PDCD1LG2	-2.936	3.76E-03	1.30E-02	PRDM1	-3.466	3.33E-03	1.18E-02
PDE11A	-2.050	1.48E-04	1.12E-03	PREX1	-2.790	5.16E-03	1.67E-02
PDE1C	-5.049	3.13E-05	3.78E-04	PRKX	-2.165	2.45E-08	7.08E-06
PDE3B	-2.836	1.90E-03	7.63E-03	PROS1	-2.833	7.00E-05	6.60E-04
PDE5A	-3.161	7.69E-07	3.67E-05	PRSS12	-3.929	2.77E-05	3.48E-04
PDGFRA	-2.377	6.26E-06	1.35E-04	PRSS23	-2.643	6.11E-05	6.03E-04
PDGFRL	-2.198	8.98E-05	7.81E-04	PSD4	-2.748	1.34E-05	2.18E-04
PDLIM3	-3.217	2.19E-03	8.53E-03	PSG5	-4.558	3.63E-03	1.26E-02
PDZRN4	-2.710	1.17E-05	1.99E-04	PSTPIP1	-2.463	7.92E-04	3.90E-03
PECAM1	-3.408	4.81E-04	2.68E-03	PTAFR	-3.194	1.85E-04	1.32E-03
PENK	-5.525	1.40E-06	5.22E-05	PTCHD4	-4.102	1.82E-06	6.13E-05
PHACTR1	-3.005	6.20E-03	1.93E-02	PTGDR	-4.155	1.31E-02	3.52E-02
PHACTR3	-3.941	6.39E-04	3.32E-03	PTGER2	-3.377	1.05E-03	4.85E-03
PI3	-6.247	5.40E-05	5.52E-04	PTGER3	-3.429	1.50E-02	3.92E-02
PID1	-3.669	1.60E-03	6.70E-03	PTGER4	-3.162	5.02E-03	1.63E-02
PIGR	-3.362	6.70E-03	2.06E-02	PTGIS	-2.852	1.21E-03	5.42E-03
PIK3AP1	-2.279	1.52E-04	1.14E-03	PTGS1	-3.127	6.62E-04	3.41E-03
PIK3CG	-3.185	1.16E-03	5.23E-03	PTH1R	-2.586	4.96E-03	1.62E-02
PIK3R3	-2.983	7.08E-03	2.15E-02	PTHLH	-3.186	1.38E-03	5.98E-03
PIK3R5	-2.200	1.95E-03	7.78E-03	PTN	-3.746	1.40E-04	1.08E-03
PIPOX	-2.025	2.18E-03	8.49E-03	PTP4A1	-2.223	1.77E-06	6.03E-05
PITX3	-4.866	1.35E-02	3.61E-02	PTPLA	-2.759	4.46E-07	2.74E-05
PIWIL1	-4.375	3.70E-04	2.21E-03	PTPN7	-2.960	5.13E-03	1.66E-02
PKIA	-4.016	1.93E-02	4.80E-02	PTPRC	-3.419	4.97E-04	2.75E-03
PKIB	-2.846	4.62E-06	1.12E-04	PTPRG	-2.715	1.47E-04	1.11E-03
PKP2	-2.580	9.40E-06	1.74E-04	PVRL4	-3.785	4.62E-03	1.53E-02
PLA2G1B	-4.635	3.74E-03	1.29E-02	PXDN	-2.732	3.10E-03	1.12E-02

PYCARD	-2.927	1.89E-07	1.80E-05	S1PR1	-4.276	1.29E-02	3.47E-02
PZP	-2.842	9.01E-04	4.30E-03	S1PR4	-4.019	5.64E-03	1.79E-02
RAB15	-2.574	1.37E-05	2.20E-04	S1PR5	-5.895	3.55E-05	4.11E-04
RAB32	-2.040	4.07E-05	4.49E-04	SAA1	-3.133	2.90E-03	1.06E-02
RAB39A	-3.144	2.30E-04	1.55E-03	SALL4	-3.644	2.54E-06	7.51E-05
RAB3B	-5.648	8.57E-07	3.89E-05	SAMD11	-3.151	1.69E-04	1.24E-03
RAC2	-2.864	1.64E-02	4.22E-02	SAMD3	-3.400	7.48E-03	2.24E-02
RAD51AP1	-2.098	1.71E-06	5.92E-05	SAMD5	-4.903	2.25E-07	1.94E-05
RAMP1	-5.771	2.11E-06	6.71E-05	SAMD9	-2.069	1.20E-06	4.71E-05
RASAL2	-2.896	9.31E-08	1.26E-05	SAMHD1	-3.092	1.41E-05	2.24E-04
RASD1	-6.400	1.95E-03	7.77E-03	SAMSN1	-3.476	9.40E-04	4.45E-03
RASGEF1A	-2.290	2.30E-04	1.55E-03	SASH3	-3.123	1.80E-03	7.33E-03
RASL11B	-2.918	1.26E-05	2.08E-04	SAT1	-2.088	3.54E-07	2.38E-05
RASSF5	-2.259	3.13E-03	1.12E-02	SCARA3	-2.334	4.17E-06	1.05E-04
RBM24	-3.802	1.46E-04	1.11E-03	SCG2	-3.518	3.63E-04	2.18E-03
RBPM5	-3.005	2.92E-04	1.85E-03	SCGB3A1	-4.130	2.67E-03	9.97E-03
RCN1	-2.340	5.41E-05	5.52E-04	SCIN	-2.817	1.64E-03	6.81E-03
RCSD1	-2.716	4.48E-03	1.49E-02	SCN2A	-5.509	7.83E-04	3.86E-03
RFTN1	-2.338	3.27E-05	3.88E-04	SCN4B	-2.815	1.25E-05	2.07E-04
RGS10	-2.175	1.31E-04	1.02E-03	SCN5A	-3.879	1.46E-04	1.11E-03
RGS18	-2.967	4.84E-03	1.59E-02	SCRG1	-5.838	2.13E-05	2.93E-04
RGS2	-3.281	8.26E-03	2.42E-02	SCUBE3	-3.763	7.32E-07	3.58E-05
RGS20	-3.001	1.13E-02	3.13E-02	SDC1	-2.707	6.15E-05	6.05E-04
RGS4	-3.847	1.14E-05	1.97E-04	SDK1	-2.345	3.91E-03	1.34E-02
RHBDL2	-2.727	1.34E-02	3.59E-02	SDPR	-2.539	1.69E-04	1.24E-03
RIMS2	-5.322	1.25E-03	5.53E-03	SEL1L2	-5.374	2.21E-05	3.00E-04
RNASE2	-3.560	1.19E-03	5.34E-03	SEL1L3	-4.350	1.77E-07	1.72E-05
RNASE3	-3.999	2.17E-03	8.46E-03	SELPLG	-2.998	2.31E-04	1.56E-03
RNASE6	-3.110	1.73E-03	7.13E-03	SEMA3F	-2.240	3.81E-05	4.30E-04
RNASE7	-4.961	3.81E-03	1.31E-02	SEMA7A	-2.027	7.96E-04	3.91E-03
RNF152	-3.027	7.97E-04	3.91E-03	SERPINA1	-3.329	1.83E-04	1.31E-03
RNF175	-3.352	7.41E-03	2.23E-02	SERPINB11	-4.564	3.87E-03	1.33E-02
ROR1	-2.741	2.54E-05	3.27E-04	SERPINE1	-4.045	3.78E-05	4.27E-04
ROR2	-2.579	4.09E-03	1.38E-02	SERPINE2	-2.282	5.49E-05	5.57E-04
ROS1	-6.093	4.65E-06	1.12E-04	SESN3	-2.367	9.77E-08	1.30E-05
RPGRIP1	-2.179	8.83E-04	4.24E-03	SFMBT2	-2.018	2.85E-04	1.82E-03
RRAD	-2.966	1.30E-02	3.51E-02	SFTA1P	-3.845	1.12E-02	3.09E-02
RSAD2	-2.654	4.13E-04	2.39E-03	SGCA	-4.210	1.78E-02	4.50E-02
RSPO1	-3.922	2.04E-03	8.08E-03	SGK223	-3.052	1.54E-06	5.59E-05
RSPO3	-8.213	2.41E-06	7.28E-05	SGOL1	-2.465	5.63E-03	1.79E-02
RTN1	-2.664	2.77E-04	1.78E-03	SH2D4B	-3.309	1.58E-02	4.09E-02
RTP4	-2.607	3.24E-04	2.00E-03	SH3PXD2A	-2.514	1.74E-06	5.98E-05
RUNX1	-3.803	1.55E-05	2.38E-04	SH3RF3	-2.945	1.82E-04	1.30E-03
RUNX1-IT1	-4.132	4.37E-04	2.50E-03	SIDT1	-2.433	2.01E-02	4.97E-02
RYR1	-2.000	5.45E-03	1.74E-02	SIGLEC16	-3.592	8.94E-03	2.59E-02
S100A10	-2.876	2.02E-05	2.84E-04	SIGLEC5	-3.408	4.98E-03	1.62E-02
S100A11	-2.654	3.08E-05	3.75E-04	SIGLEC7	-2.987	9.77E-03	2.78E-02
S100A16	-2.154	3.23E-05	3.85E-04	SIGLEC9	-2.956	1.41E-03	6.08E-03
S100A2	-3.066	2.14E-05	2.93E-04	SIM2	-7.587	4.57E-03	1.52E-02
S100A8	-3.416	5.68E-03	1.80E-02	SIX4	-3.229	6.90E-06	1.44E-04
S100A9	-3.068	9.03E-03	2.61E-02	SKAP2	-3.193	8.04E-07	3.78E-05
S100Z	-5.864	1.06E-04	8.79E-04	SLA	-2.619	7.64E-05	7.03E-04

SLAMF8	-2.983	1.28E-02	3.44E-02	SNORD114-19	-5.967	1.07E-04	8.85E-04
SLAMF9	-3.573	2.94E-03	1.07E-02	SNORD114-2	-6.324	1.97E-05	2.79E-04
SLC11A1	-2.035	7.74E-05	7.07E-04	SNORD114-20	-4.647	1.75E-04	1.27E-03
SLC13A4	-3.109	4.97E-03	1.62E-02	SNORD114-23	-4.931	1.01E-02	2.86E-02
SLC14A1	-4.219	6.46E-03	1.99E-02	SNORD114-24	-5.015	8.66E-04	4.18E-03
SLC16A10	-4.197	4.02E-05	4.46E-04	SNORD114-25	-5.406	1.15E-03	5.22E-03
SLC16A9	-2.083	3.70E-05	4.22E-04	SNORD114-28	-6.969	9.00E-05	7.82E-04
SLC1A3	-2.871	7.15E-03	2.17E-02	SNORD114-29	-6.717	5.05E-05	5.27E-04
SLC1A5	-2.332	4.31E-05	4.68E-04	SNORD114-3	-3.148	1.73E-02	4.39E-02
SLC22A3	-4.608	1.29E-03	5.66E-03	SNORD114-4	-5.752	9.62E-05	8.21E-04
SLC24A4	-2.467	5.49E-03	1.75E-02	SNORD114-6	-3.974	1.72E-02	4.38E-02
SLC26A8	-3.143	1.67E-03	6.94E-03	SNORD114-7	-5.663	1.56E-04	1.16E-03
SLC28A2	-2.562	5.61E-03	1.78E-02	SNORD114-8	-5.115	5.07E-03	1.64E-02
SLC28A3	-2.250	1.36E-02	3.63E-02	SOX4	-2.132	1.80E-04	1.29E-03
SLC2A5	-2.474	2.02E-04	1.41E-03	SOX5	-5.861	3.81E-04	2.25E-03
SLC37A2	-2.408	6.69E-05	6.39E-04	SOX6	-3.984	3.18E-08	7.77E-06
SLC38A4	-3.862	3.30E-05	3.91E-04	SP140	-2.261	1.29E-03	5.66E-03
SLC39A10	-2.144	1.69E-10	9.41E-07	SP6	-5.906	1.07E-05	1.89E-04
SLC4A7	-2.574	1.09E-05	1.91E-04	SPATA18	-3.164	8.34E-07	3.83E-05
SLC5A12	-5.445	7.74E-03	2.30E-02	SPI1	-2.640	6.25E-04	3.28E-03
SLC6A11	-6.171	2.15E-05	2.94E-04	SPN	-2.595	7.67E-03	2.28E-02
SLC6A14	-2.574	4.04E-03	1.37E-02	SPP1	-2.984	2.69E-03	1.00E-02
SLC6A17	-3.340	5.07E-04	2.80E-03	SPTBN2	-3.501	3.05E-07	2.25E-05
SLC6A6	-2.022	5.96E-04	3.16E-03	SRGN	-3.481	5.80E-08	9.47E-06
SLC7A2	-4.219	2.41E-06	7.28E-05	ST18	-4.162	1.43E-03	6.15E-03
SLC7A7	-2.554	5.71E-06	1.27E-04	ST3GAL6	-3.810	2.55E-04	1.68E-03
SLC8A1	-3.897	9.54E-05	8.17E-04	ST6GAL1	-2.662	4.01E-04	2.34E-03
SLC9A10	-3.219	2.80E-04	1.80E-03	ST6GALNAC5	-4.954	4.11E-07	2.61E-05
SLC9A9	-3.117	1.57E-04	1.17E-03	ST8SIA4	-3.407	4.44E-05	4.78E-04
SLCO2B1	-2.893	7.29E-03	2.20E-02	ST8SIA6	-6.970	3.87E-06	9.96E-05
SLCO5A1	-3.949	7.13E-04	3.60E-03	STAC	-6.639	3.03E-06	8.43E-05
SLFN11	-2.771	6.33E-04	3.31E-03	STAP1	-4.585	7.03E-03	2.14E-02
SLFN5	-2.091	6.23E-07	3.26E-05	STC2	-2.811	1.06E-04	8.78E-04
SLIT2	-4.199	3.49E-07	2.38E-05	STK17B	-2.145	2.75E-06	7.97E-05
SLIT2-IT1	-3.913	5.70E-04	3.05E-03	STK32A	-3.663	1.30E-08	5.92E-06
SLITRK4	-3.429	1.47E-05	2.30E-04	STMN1	-2.254	3.12E-11	6.55E-07
SMOC2	-4.211	5.00E-03	1.63E-02	STMN2	-6.120	1.22E-05	2.04E-04
SNAI2	-2.733	3.05E-06	8.46E-05	STON1	-3.148	6.90E-07	3.50E-05
SNAI3	-2.409	4.50E-03	1.50E-02	STON1-GTF2A1L	-2.979	3.08E-06	8.51E-05
SNAP25	-4.045	2.11E-03	8.28E-03	STRA6	-3.030	1.46E-02	3.85E-02
SNORD113-1	-5.373	5.61E-03	1.78E-02	STXBP5L	-2.384	1.47E-02	3.87E-02
SNORD113-2	-5.419	8.23E-04	4.01E-03	STXBP6	-5.092	2.05E-05	2.86E-04
SNORD113-4	-5.933	1.14E-05	1.97E-04	SUCNR1	-3.726	1.53E-02	3.98E-02
SNORD113-9	-6.005	3.41E-03	1.20E-02	SUSD3	-2.596	6.37E-04	3.31E-03
SNORD114-1	-5.676	7.57E-05	6.98E-04	SYK	-2.980	2.33E-03	8.94E-03
SNORD114-10	-5.465	2.02E-04	1.41E-03	SYNDIG1	-3.075	1.88E-02	4.70E-02
SNORD114-11	-7.031	2.35E-04	1.58E-03	SYNPO2	-3.877	2.32E-06	7.15E-05
SNORD114-13	-4.788	1.67E-03	6.93E-03	SYT14	-3.531	1.76E-03	7.19E-03
SNORD114-14	-4.515	3.74E-04	2.22E-03	SYT17	-3.243	4.71E-04	2.64E-03
SNORD114-15	-6.989	2.85E-04	1.82E-03	SYTL2	-3.034	2.36E-08	7.08E-06
SNORD114-16	-6.721	6.86E-06	1.43E-04	SYTL5	-4.234	2.93E-03	1.07E-02
SNORD114-17	-6.668	1.64E-05	2.47E-04	TAGAP	-3.041	2.80E-05	3.50E-04

TAGLN	-4.140	1.91E-07	1.81E-05	TNFRSF21	-2.378	2.59E-04	1.70E-03
TAL1	-4.127	4.70E-03	1.55E-02	TNFSF13B	-2.809	3.20E-06	8.73E-05
TBC1D10C	-3.544	3.26E-03	1.16E-02	TNFSF8	-3.128	1.97E-03	7.84E-03
TBXAS1	-2.733	4.40E-04	2.51E-03	TNNT2	-4.249	5.25E-08	9.30E-06
TCTEX1D1	-4.549	5.87E-03	1.85E-02	TOP2A	-3.152	5.43E-04	2.95E-03
TEK	-5.816	2.84E-07	2.17E-05	TPK1	-2.163	5.83E-07	3.17E-05
TEX101	-4.413	4.73E-03	1.56E-02	TPM4	-2.725	3.00E-08	7.65E-06
TFCP2L1	-2.144	1.75E-05	2.58E-04	TPX2	-2.256	3.25E-03	1.16E-02
TFEC	-2.835	4.60E-05	4.92E-04	TRAF3IP3	-3.252	4.34E-03	1.46E-02
TFF1	-3.342	9.67E-03	2.76E-02	TRANK1	-2.167	5.59E-06	1.26E-04
TFPI	-3.201	1.82E-02	4.59E-02	TREM1	-5.044	1.35E-04	1.05E-03
TGFB2	-2.125	8.83E-07	3.95E-05	TREM2	-3.522	2.64E-04	1.72E-03
THSD7B	-4.827	9.16E-04	4.36E-03	TREML1	-3.692	1.33E-03	5.82E-03
THY1	-3.546	2.69E-04	1.74E-03	TRIB1	-2.735	6.28E-05	6.12E-04
TIAM1	-2.645	3.53E-04	2.14E-03	TRIM36	-2.312	2.68E-03	1.00E-02
TINAGL1	-4.543	3.09E-05	3.75E-04	TRIM58	-3.474	3.11E-05	3.76E-04
TKTL1	-4.706	1.72E-03	7.07E-03	TRIM67	-4.038	1.71E-04	1.24E-03
TLE3	-2.434	3.87E-04	2.28E-03	TRPV4	-2.017	3.77E-04	2.24E-03
TLL2	-6.387	6.08E-08	9.47E-06	TSHZ3	-3.155	4.23E-05	4.62E-04
TLR10	-2.866	1.45E-04	1.10E-03	TSPAN11	-2.888	1.80E-03	7.32E-03
TLR4	-3.567	1.14E-05	1.97E-04	TSPAN33	-2.928	5.06E-04	2.80E-03
TLR5	-2.882	1.28E-04	1.01E-03	TTC39C	-2.346	1.04E-04	8.68E-04
TLR6	-2.932	6.12E-07	3.22E-05	TTC9	-2.231	4.87E-04	2.71E-03
TLR7	-3.966	1.29E-04	1.01E-03	TTK	-2.151	7.72E-03	2.30E-02
TLR8	-3.269	2.10E-03	8.27E-03	TTPA	-2.871	5.67E-03	1.80E-02
TM4SF20	-7.035	8.29E-04	4.04E-03	TUBB2A	-2.071	6.69E-04	3.43E-03
TM6SF1	-3.295	4.44E-04	2.52E-03	TUBB2B	-2.967	7.69E-04	3.81E-03
TM6SF2	-2.968	2.23E-03	8.64E-03	TUBB3	-2.216	7.44E-03	2.23E-02
TMC3	-3.431	7.14E-04	3.60E-03	TUBB6	-2.802	4.69E-06	1.12E-04
TMEM119	-2.777	2.34E-03	8.97E-03	TWIST2	-4.637	6.28E-04	3.29E-03
TMEM132B	-4.934	1.91E-05	2.74E-04	TXNDC3	-3.433	9.58E-03	2.74E-02
TMEM140	-2.738	4.28E-03	1.44E-02	TXNIP	-3.137	8.01E-08	1.14E-05
TMEM154	-2.784	8.75E-05	7.68E-04	TYMS	-3.302	9.08E-07	4.02E-05
TMEM156	-3.119	5.94E-03	1.87E-02	TYROBP	-3.633	3.71E-04	2.22E-03
TMEM200A	-4.576	2.28E-06	7.07E-05	UBASH3B	-2.339	8.60E-05	7.59E-04
TMEM236	-3.221	3.09E-03	1.11E-02	UCN2	-2.646	7.09E-03	2.15E-02
TMEM27	-2.040	1.18E-03	5.30E-03	UG0898H09	-4.806	3.50E-04	2.13E-03
TMEM45A	-2.218	1.66E-07	1.66E-05	UHRF1	-4.187	2.62E-04	1.72E-03
TMEM47	-4.077	5.45E-07	3.09E-05	UNC5B	-2.201	3.92E-03	1.34E-02
TMEM51	-2.293	1.51E-03	6.42E-03	UNC5C	-5.303	8.68E-04	4.18E-03
TMEM54	-2.515	1.17E-05	1.99E-04	UTS2R	-3.309	7.31E-03	2.20E-02
TMEM92	-4.258	2.05E-03	8.11E-03	VASH2	-3.014	6.04E-04	3.19E-03
TMSB10	-2.784	1.56E-05	2.39E-04	VAV1	-2.466	1.67E-02	4.28E-02
TNC	-3.699	2.81E-04	1.80E-03	VCAN	-5.656	4.73E-05	5.04E-04
TNFAIP3	-2.233	4.00E-04	2.33E-03	VENTX	-2.360	4.43E-03	1.48E-02
TNFAIP8	-2.811	2.89E-06	8.22E-05	VGLL3	-4.345	1.20E-04	9.60E-04
TNFAIP8L2	-3.013	1.16E-03	5.23E-03	VIT	-2.317	2.43E-04	1.62E-03
TNFAIP8L3	-3.280	1.44E-03	6.20E-03	VMO1	-2.437	9.63E-03	2.75E-02
TNFRSF10C	-2.059	1.27E-06	4.90E-05	VNN1	-2.764	7.74E-03	2.30E-02
TNFRSF11B	-3.396	5.56E-03	1.77E-02	VNN2	-2.792	4.09E-03	1.39E-02
TNFRSF19	-3.793	5.91E-06	1.30E-04	VSIG4	-3.462	1.04E-04	8.71E-04
TNFRSF1B	-2.546	1.21E-02	3.31E-02	VTRNA1-1	-2.118	5.89E-03	1.85E-02

VTRNA1-3	-2.068	7.74E-05	7.07E-04
WARS	-2.438	4.62E-06	1.12E-04
WDFY4	-3.171	3.30E-03	1.17E-02
WDR63	-3.789	7.03E-10	1.59E-06
WDR69	-4.111	1.48E-04	1.12E-03
WDR86	-3.390	6.05E-03	1.89E-02
WIF1	-2.754	1.80E-02	4.54E-02
WIPF1	-2.901	1.27E-03	5.60E-03
WNT11	-2.303	1.51E-03	6.42E-03
WNT2	-5.359	5.64E-04	3.03E-03
WNT7B	-4.432	6.19E-05	6.06E-04
XAF1	-2.377	6.22E-04	3.26E-03
XG	-3.665	2.67E-05	3.38E-04
XRCC4	-2.742	1.06E-04	8.78E-04
ZBED2	-3.302	7.78E-03	2.31E-02
ZBP1	-3.535	1.41E-02	3.72E-02
ZBTB8A	-2.254	6.87E-04	3.50E-03
ZC3H12D	-2.312	8.13E-04	3.98E-03
ZEB2	-3.212	6.57E-04	3.39E-03
ZEB2-AS1	-3.280	5.72E-03	1.81E-02
ZFP36	-2.007	2.63E-03	9.85E-03
ZG16B	-2.703	1.34E-02	3.59E-02
ZMAT4	-2.913	1.36E-02	3.62E-02
ZNF300	-2.029	3.07E-04	1.93E-03
ZNF711	-3.534	1.55E-05	2.38E-04
ZNF804A	-3.841	1.55E-02	4.04E-02