

Table S7: Turquoise Module

				MCI-MCI	MCI-AD	AD	ALL AD	Disease Severity		Probe has higher- than-median module membership and trait significance for MCI- MCI?							
illumina_gene	probe_id	gene_name	entrez_id	Module Membership value	p- Gene Significance	Gene Significance p- value	Gene Significance p- value	Gene Significance p- value	Gene Significance p- value	Gene Significance p- value	Gene Significance p- value	Gene Significance p- value	Gene Significance p- value	Gene Significance p- value	Gene Significance p- value	Gene Significance p- value	Gene Significance p- value
TRAPPC1	ILMN_1716913	TRAPPC1	58485	0.8825	6.01E-07	0.2409	9.97E-06	0.0971	7.86E-02	-0.0847	1.25E-01	-0.0147	7.91E-01	0.0397	4.72E-01	YES	
LCMT1	ILMN_2312709	LCMT1	51451	0.8782	3.54E-11	0.1897	5.42E-04	0.0922	9.52E-02	-0.0120	8.29E-01	0.0501	3.65E-01	0.1017	6.55E-02	YES	
SEPT6	ILMN_1661342	SEPT6	23157	0.8773	1.92E-04	0.2394	1.13E-05	0.1204	2.89E-02	-0.0212	7.02E-01	0.0603	2.75E-01	0.1237	2.49E-02	YES	
GIYD1	ILMN_2368575	GIYD1	548593	0.8744	7.62E-21	0.2431	8.20E-06	0.0976	7.70E-02	-0.0428	4.39E-01	0.0248	6.53E-01	0.0882	1.10E-01	YES	
MAN2C1	ILMN_2111739	MAN2C1	4123	0.8736	6.62E-08	0.2210	5.27E-05	0.1222	2.67E-02	-0.0253	6.47E-01	0.0576	2.98E-01	0.1135	3.96E-02	YES	
ARL2	ILMN_1787879	ARL2	402	0.8697	4.25E-18	0.2236	4.29E-05	0.0640	2.47E-01	-0.0442	4.25E-01	0.0012	9.82E-01	0.0619	2.63E-01	YES	
GABBR1	ILMN_2395375	GABBR1	2550	0.8691	4.75E-04	0.2228	4.57E-05	0.1412	1.03E-02	0.0697	2.07E-01	0.1592	3.79E-03	0.2320	2.14E-05	YES	
LOC613037	ILMN_2070052	LOC613037	613037	0.8602	1.15E-03	0.1538	5.17E-03	0.1087	4.89E-02	0.1026	6.31E-02	0.1684	2.18E-03	0.2279	3.02E-05	NO	
SAFB	ILMN_1722059	SAFB	6294	0.8599	5.25E-02	0.1786	1.14E-03	0.1100	4.62E-02	0.0190	7.31E-01	0.0910	9.96E-02	0.1425	9.67E-03	YES	
CNNM3	ILMN_1662328	CNNM3	26505	0.8584	1.04E-04	0.2339	1.82E-05	0.1054	5.61E-02	-0.1086	4.91E-02	-0.0315	5.69E-01	0.0147	7.91E-01	YES	
RHOT2	ILMN_1669310	RHOT2	89941	0.8580	4.34E-05	0.2075	1.51E-04	0.1499	6.44E-03	-0.0810	1.43E-01	0.0239	6.66E-01	0.0606	2.73E-01	YES	
SNRPB	ILMN_1799103	SNRPB	6628	0.8569	6.98E-05	0.2133	9.64E-05	0.1770	1.26E-03	-0.1402	1.09E-02	-0.0135	8.07E-01	0.0102	8.54E-01	YES	
CYFIP2	ILMN_1677200	CYFIP2	26999	0.8519	5.31E-06	0.2153	8.28E-05	0.1365	1.32E-02	-0.0986	7.42E-02	-0.0015	9.78E-01	0.0362	5.12E-01	YES	
SNORA70	ILMN_1730773	SNORA70	26778	0.8514	2.57E-06	0.1667	2.42E-03	0.1674	2.31E-03	-0.0127	8.18E-01	0.0995	7.15E-02	0.1332	1.56E-02	YES	
GTPBP6	ILMN_1776080	GTPBP6	8225	0.8487	1.79E-08	0.1842	7.88E-04	0.0769	1.64E-01	-0.0946	8.67E-02	-0.0374	4.99E-01	-0.0020	9.71E-01	YES	
PACS1	ILMN_1716488	PACS1	55690	0.8483	1.94E-22	0.2140	9.17E-05	0.1127	4.10E-02	-0.0392	4.78E-01	0.0383	4.89E-01	0.0903	1.02E-01	YES	
ARPC4	ILMN_1707336	ARPC4	10093	0.8446	5.37E-07	0.2110	1.15E-04	0.1752	1.42E-03	-0.0571	3.02E-01	0.0631	2.54E-01	0.1025	6.33E-02	YES	
KIAA0664	ILMN_1770719	KIAA0664	23277	0.8446	9.85E-21	0.1870	6.54E-04	0.0655	2.36E-01	0.0300	5.87E-01	0.0717	1.95E-01	0.1340	1.50E-02	YES	
RNF31	ILMN_1758831	RNF31	55072	0.8434	4.00E-03	0.2041	1.93E-04	0.0987	7.38E-02	0.0187	7.35E-01	0.0832	1.32E-01	0.1449	8.48E-03	YES	
GATAD2A	ILMN_1673682	GATAD2A	54815	0.8384	1.54E-16	0.2169	7.31E-05	0.0868	1.16E-01	-0.0235	6.72E-01	0.0358	5.18E-01	0.0952	8.47E-02	YES	
C17ORF68	ILMN_1755711	C17orf68	80169	0.8376	1.52E-08	0.2357	1.56E-05	0.0653	2.38E-01	-0.0787	1.54E-01	-0.0303	5.84E-01	0.0276	6.18E-01	YES	
PGAP3	ILMN_1805636	PGAP3	93210	0.8366	1.21E-03	0.1601	3.59E-03	0.1068	5.29E-02	-0.0108	8.45E-01	0.0610	2.70E-01	0.1006	6.84E-02	YES	
CAPZB	ILMN_1798980	CAPZB	832	0.8357	8.83E-05	0.1776	1.22E-03	0.1268	2.14E-02	-0.0993	7.20E-02	-0.0087	8.76E-01	0.0171	7.57E-01	YES	
SEC31A	ILMN_1724959	SEC31A	22872	0.8353	3.65E-10	0.2356	1.57E-05	0.1018	6.52E-02	-0.0036	9.48E-01	0.0643	2.45E-01	0.1322	1.64E-02	YES	
BCKDHA	ILMN_1735979	BCKDHA	593	0.8353	4.69E-04	0.1696	2.02E-03	0.0907	1.00E-01	-0.0229	6.79E-01	0.0389	4.82E-01	0.0816	1.40E-01	YES	
LOC23117	ILMN_1656868	LOC23117	23117	0.8342	9.38E-04	0.1744	1.49E-03	0.0991	7.26E-02	0.0620	2.62E-01	0.1240	2.44E-02	0.1839	8.02E-04	YES	
STXBP2	ILMN_2159453	STXBP2	6813	0.8335	4.89E-09	0.2411	9.81E-06	0.1187	3.14E-02	-0.0504	3.62E-01	0.0317	5.66E-01	0.0902	1.03E-01	YES	
KIF13B	ILMN_1686562	KIF13B	23303	0.8314	1.65E-06	0.1840	7.96E-04	0.1134	3.98E-02	-0.0945	8.70E-02	-0.0130	8.14E-01	0.0176	7.50E-01	YES	
ATP5D	ILMN_1679178	ATP5D	513	0.8304	1.04E-05	0.1908	5.04E-04	0.1694	2.05E-03	-0.0547	3.22E-01	0.0614	2.67E-01	0.0950	8.53E-02	YES	
GTF3C5	ILMN_1723895	GTF3C5	9328	0.8267	3.90E-20	0.1899	5.33E-04	0.1342	1.48E-02	-0.0626	2.57E-01	0.0307	5.80E-01	0.0670	2.26E-01	YES	
IKBKE	ILMN_1755024	IKBKE	9641	0.8255	3.41E-03	0.1987	2.87E-04	0.1154	3.64E-02	-0.0567	3.05E-01	0.0237	6.69E-01	0.0666	2.29E-01	YES	
ABL1	ILMN_1713732	ABL1	25	0.8253	7.79E-03	0.1727	1.66E-03	0.1443	8.75E-03	0.0547	3.22E-01	0.1473	7.45E-03	0.1993	2.74E-04	YES	
RASAL3	ILMN_1795089	RASAL3	64926	0.8253	1.42E-12	0.1916	4.74E-04	0.1348	1.44E-02	0.0222	6.88E-01	0.1105	4.52E-02	0.1639	2.86E-03	YES	
ILF3	ILMN_1698463	ILF3	3609	0.8250	2.19E-10	0.1568	4.37E-03	0.1846	7.65E-04	-0.1013	6.65E-02	0.0280	6.13E-01	0.0387	4.85E-01	NO	
CABC1	ILMN_1731064	CABC1	56997	0.8247	2.20E-05	0.1884	5.93E-04	0.1462	7.90E-03	-0.0191	7.30E-01	0.0794	1.51E-01	0.1222	2.67E-02	YES	
UQCRC1	ILMN_1671191	UQCRC1	7384	0.8220	2.46E-10	0.1899	5.34E-04	0.1267	2.15E-02	-0.0501	3.65E-01	0.0374	5.00E-01	0.0771	1.63E-01	YES	
SIPA1	ILMN_1682930	SIPA1	6494	0.8191	2.04E-05	0.2044	1.89E-04	0.0840	1.29E-01	-0.0076	8.91E-01	0.0488	3.78E-01	0.1074	5.17E-02	YES	
AIP	ILMN_2103841	AIP	9049	0.8183	3.98E-06	0.2031	2.08E-04	0.1145	3.78E-02	0.0668	2.27E-01	0.1388	1.17E-02	0.2076	1.49E-04	YES	
RASGRP2	ILMN_2375319	RASGRP2	10235	0.8182	3.19E-03	0.1934	4.18E-04	0.0603	2.76E-01	0.0242	6.61E-01	0.0628	2.56E-01	0.1269	2.14E-02	YES	
EPHB6	ILMN_1802646	EPHB6	2051	0.8180	7.65E-26	0.2060	1.68E-04	0.1510	6.07E-03	-0.0134	8.08E-01	0.0879	1.12E-01	0.1372	1.27E-02	YES	
PKM2	ILMN_1672650	PKM2	5315	0.8171	8.51E-09	0.1943	3.93E-04	0.1226	2.62E-02	-0.0829	1.34E-01	0.0040	9.43E-01	0.0393	4.77E-01	YES	
DPRXP4	ILMN_1739532	DPRXP4	503645	0.8127	4.50E-10	0.2259	3.53E-05	0.0575	2.99E-01	0.0710	1.99E-01	0.1047	5.79E-02	0.1896	5.47E-04	YES	

MTA2	ILMN_1773763	MTA2	9219	0.8113	3.80E-11	0.1931	4.29E-04	0.1329	1.59E-02	-0.0754	1.73E-01	0.0178	7.48E-01	0.0529	3.39E-01	YES
PTPN23	ILMN_1654318	PTPN23	25930	0.8106	1.62E-10	0.2294	2.64E-05	0.1647	2.73E-03	-0.1311	1.74E-02	-0.0132	8.12E-01	0.0195	7.25E-01	YES
PI4KB	ILMN_1666597	PI4KB	5298	0.8093	1.97E-20	0.1639	2.87E-03	0.1472	7.49E-03	-0.0658	2.34E-01	0.0363	5.12E-01	0.0613	2.68E-01	YES
TBC1D20	ILMN_1742869	TBC1D20	128637	0.8077	3.58E-03	0.1559	4.58E-03	0.0568	3.05E-01	0.0163	7.69E-01	0.0530	3.38E-01	0.1029	6.22E-02	NO
UBA7	ILMN_1794612	UBA7	7318	0.8069	4.08E-14	0.1665	2.45E-03	0.1646	2.76E-03	-0.0168	7.61E-01	0.0937	8.97E-02	0.1270	2.13E-02	YES
ANXA6	ILMN_1678612	ANXA6	309	0.8069	1.88E-05	0.1418	1.00E-02	0.0973	7.80E-02	0.0200	7.17E-01	0.0835	1.31E-01	0.1240	2.44E-02	NO
SMARCD2	ILMN_1692684	SMARCD2	6603	0.8056	3.86E-06	0.2470	5.81E-06	0.0579	2.95E-01	-0.1191	3.08E-02	-0.0730	1.86E-01	-0.0182	7.43E-01	YES
FAM125A	ILMN_2121207	FAM125A	93343	0.8049	1.79E-05	0.1611	3.38E-03	0.1512	6.01E-03	-0.0228	6.81E-01	0.0792	1.52E-01	0.1112	4.39E-02	YES
TM9SF4	ILMN_1674421	TM9SF4	9777	0.8032	2.32E-06	0.1823	8.92E-04	0.1592	3.79E-03	-0.0747	1.76E-01	0.0360	5.16E-01	0.0640	2.47E-01	YES
SDHA	ILMN_2051232	SDHA	6389	0.8032	1.67E-03	0.1285	1.97E-02	0.1308	1.76E-02	-0.0413	4.55E-01	0.0483	3.83E-01	0.0679	2.19E-01	NO
ITFG2	ILMN_1701244	ITFG2	55846	0.8029	1.55E-03	0.1699	1.98E-03	0.1053	5.63E-02	0.0036	9.49E-01	0.0734	1.84E-01	0.1195	3.03E-02	YES
RALY	ILMN_1690610	RALY	22913	0.8022	4.27E-08	0.1890	5.70E-04	0.1258	2.24E-02	-0.0828	1.34E-01	0.0062	9.11E-01	0.0393	4.77E-01	YES
TOMM40	ILMN_1683475	TOMM40	10452	0.8017	1.72E-01	0.1986	2.90E-04	0.0816	1.40E-01	-0.0861	1.19E-01	-0.0264	6.33E-01	0.0151	7.85E-01	YES
TGOLN2	ILMN_1651735	TGOLN2	10618	0.8012	1.37E-09	0.2137	9.33E-05	0.0975	7.74E-02	0.0404	4.65E-01	0.1027	6.27E-02	0.1722	1.71E-03	YES
IDH3B	ILMN_2373632	IDH3B	3420	0.8012	3.46E-07	0.2131	9.81E-05	0.1128	4.09E-02	-0.1657	2.57E-03	-0.0801	1.47E-01	-0.0532	3.36E-01	YES
PARP9	ILMN_1731224	PARP9	83666	0.8009	6.66E-02	0.2306	2.40E-05	0.0788	1.54E-01	-0.0291	5.98E-01	0.0251	6.50E-01	0.0893	1.06E-01	YES
AOF2	ILMN_1813840	AOF2	23028	0.8000	1.28E-19	0.1951	3.70E-04	0.1659	2.53E-03	-0.1167	3.43E-02	0.0011	9.85E-01	0.0245	6.58E-01	YES
POU2F2	ILMN_1736311	POU2F2	5452	0.7990	8.47E-14	0.2084	1.40E-04	0.1324	1.63E-02	-0.1206	2.87E-02	-0.0249	6.53E-01	0.0067	9.04E-01	YES
MTA1	ILMN_1671911	MTA1	9112	0.7983	3.97E-01	0.2204	5.52E-05	0.1563	4.49E-03	-0.0200	7.17E-01	0.0852	1.23E-01	0.1376	1.25E-02	YES
C17ORF70	ILMN_1711823	C17orf70	80233	0.7981	4.01E-14	0.1735	1.58E-03	0.1199	2.97E-02	-0.0105	8.49E-01	0.0699	2.06E-01	0.1126	4.13E-02	YES
LCMT1	ILMN_2336186	LCMT1	51451	0.7964	3.38E-02	0.2674	8.56E-07	0.1444	8.73E-03	-0.0340	5.39E-01	0.0642	2.45E-01	0.1317	1.68E-02	YES
RBM14	ILMN_1700604	RBM14	10432	0.7960	3.71E-14	0.2455	6.64E-06	0.1198	2.98E-02	-0.0363	5.12E-01	0.0458	4.08E-01	0.1083	4.96E-02	YES
PARP1	ILMN_1686871	PARP1	142	0.7959	3.84E-07	0.1934	4.19E-04	0.0650	2.40E-01	-0.0432	4.35E-01	0.0028	9.60E-01	0.0530	3.38E-01	YES
GAR1	ILMN_2412549	GAR1	54433	0.7956	2.29E-04	0.1739	1.54E-03	0.1208	2.84E-02	-0.0401	4.68E-01	0.0428	4.39E-01	0.0797	1.49E-01	YES
ERCC1	ILMN_2377496	ERCC1	2067	0.7943	5.35E-24	0.1803	1.02E-03	0.1030	6.20E-02	0.0115	8.36E-01	0.0793	1.51E-01	0.1308	1.76E-02	YES
MAP4K1	ILMN_2365111	MAP4K1	11184	0.7941	4.77E-01	0.1960	3.50E-04	0.0799	1.48E-01	-0.0621	2.61E-01	-0.0050	9.28E-01	0.0405	4.64E-01	YES
RPP21	ILMN_2186597	RPP21	79897	0.7931	3.53E-22	0.1805	1.01E-03	0.1372	1.27E-02	0.0065	9.06E-01	0.0974	7.78E-02	0.1436	9.11E-03	YES
NXF1	ILMN_1705783	NXF1	10482	0.7921	1.50E-01	0.2403	1.05E-05	0.0874	1.14E-01	0.0511	3.55E-01	0.1060	5.48E-02	0.1881	6.05E-04	YES
PDPK1	ILMN_1653793	PDPK1	5170	0.7912	9.78E-04	0.1968	3.29E-04	0.1035	6.07E-02	-0.0462	4.04E-01	0.0257	6.43E-01	0.0715	1.96E-01	YES
MAN1B1	ILMN_1771957	MAN1B1	11253	0.7908	3.80E-03	0.2178	6.79E-05	0.1326	1.61E-02	-0.1287	1.95E-02	-0.0323	5.59E-01	0.0009	9.87E-01	YES
DAB2	ILMN_1764228	DAB2	1601	0.7894	9.01E-02	0.2059	1.69E-04	0.0408	4.61E-01	-0.0380	4.92E-01	-0.0085	8.78E-01	0.0502	3.64E-01	YES
PPRC1	ILMN_1796210	PPRC1	23082	0.7890	1.53E-23	0.1924	4.51E-04	0.0794	1.51E-01	-0.1648	2.71E-03	-0.1016	6.58E-02	-0.0774	1.61E-01	YES
FIBP	ILMN_1657797	FIBP	9158	0.7889	4.81E-02	0.1481	7.14E-03	0.0855	1.22E-01	0.1140	3.87E-02	0.1637	2.90E-03	0.2264	3.40E-05	NO
TSPAN32	ILMN_1718621	TSPAN32	10077	0.7883	1.79E-12	0.1664	2.46E-03	0.1822	8.98E-04	-0.0935	9.04E-02	0.0337	5.43E-01	0.0496	3.70E-01	YES
SNAPC4	ILMN_1677484	SNAPC4	6621	0.7882	2.72E-03	0.2284	2.88E-05	0.0630	2.54E-01	-0.0309	5.77E-01	0.0130	8.14E-01	0.0781	1.58E-01	YES
UNKL	ILMN_1692826	UNKL	64718	0.7865	4.44E-09	0.1816	9.38E-04	0.0470	3.95E-01	-0.0713	1.97E-01	-0.0355	5.22E-01	0.0075	8.92E-01	YES
USP11	ILMN_1664537	USP11	8237	0.7840	7.98E-07	0.2577	2.18E-06	0.1015	6.60E-02	-0.1518	5.80E-03	-0.0747	1.77E-01	-0.0281	6.11E-01	YES
GGA2	ILMN_1686152	GGA2	23062	0.7838	4.49E-11	0.1578	4.12E-03	0.0804	1.46E-01	0.0326	5.56E-01	0.0840	1.28E-01	0.1348	1.44E-02	YES
PTPN7	ILMN_1715214	PTPN7	5778	0.7826	6.35E-14	0.1519	5.76E-03	0.1037	6.03E-02	-0.0555	3.16E-01	0.0170	7.58E-01	0.0455	4.11E-01	NO
RPUSD1	ILMN_1683082	RPUSD1	113000	0.7822	2.64E-10	0.2527	3.44E-06	0.1290	1.93E-02	-0.0408	4.60E-01	0.0476	3.90E-01	0.1106	4.50E-02	YES
ZNF767	ILMN_2175447	ZNF767	79970	0.7816	8.40E-03	0.2095	1.29E-04	0.0894	1.05E-01	-0.0057	9.17E-01	0.0541	3.28E-01	0.1141	3.85E-02	YES
LOC338799	ILMN_1788887	LOC338799	338799	0.7809	5.96E-06	0.2069	1.57E-04	0.1868	6.61E-04	-0.1181	3.23E-02	0.0137	8.04E-01	0.0382	4.89E-01	YES
TUBGCP2	ILMN_1775074	TUBGCP2	10844	0.7806	4.32E-02	0.1629	3.05E-03	0.0957	8.32E-02	-0.0688	2.13E-01	-0.0008	9.89E-01	0.0299	5.89E-01	YES
ZNF668	ILMN_1739236	ZNF668	79759	0.7784	2.46E-05	0.1885	5.88E-04	0.0777	1.59E-01	0.0339	5.40E-01	0.0835	1.31E-01	0.1455	8.21E-03	YES
KLHL22	ILMN_1705390	KLHL22	84861	0.7783	3.96E-06	0.2287	2.82E-05	0.1188	3.12E-02	-0.0409	4.60E-01	0.0408	4.61E-01	0.0968	7.97E-02	YES
ZFAND2B	ILMN_1653718	ZFAND2B	130617	0.7782	1.47E-08	0.1843	7.84E-04	0.1360	1.36E-02	-0.1148	3.74E-02	-0.0171	7.58E-01	0.0068	9.02E-01	YES

PNPLA7	ILMN_1662587	PNPLA7	375775	0.7776	1.88E-14	0.1738	1.55E-03	0.1692	2.07E-03	-0.0815	1.40E-01	0.0363	5.12E-01	0.0587	2.88E-01	YES
AP1G2	ILMN_1754179	AP1G2	8906	0.7772	3.34E-02	0.1457	8.14E-03	0.1047	5.78E-02	-0.0452	4.14E-01	0.0274	6.21E-01	0.0556	3.15E-01	NO
MED22	ILMN_1697218	MED22	6837	0.7769	3.46E-02	0.1866	6.72E-04	0.1594	3.74E-03	0.0387	4.84E-01	0.1423	9.75E-03	0.1940	4.00E-04	YES
VEGFB	ILMN_1726981	VEGFB	7423	0.7767	7.16E-36	0.2038	1.98E-04	0.1557	4.65E-03	-0.1309	1.75E-02	-0.0191	7.30E-01	0.0059	9.16E-01	YES
TYSND1	ILMN_1775677	TYSND1	219743	0.7766	1.27E-01	0.1318	1.68E-02	0.0977	7.67E-02	0.0945	8.71E-02	0.1535	5.27E-03	0.2051	1.79E-04	NO
VIM	ILMN_1782538	VIM	7431	0.7761	1.36E-20	0.2003	2.56E-04	0.1117	4.29E-02	-0.1049	5.73E-02	-0.0239	6.65E-01	0.0105	8.49E-01	YES
ITFG3	ILMN_1810055	ITFG3	83986	0.7758	3.61E-04	0.1470	7.55E-03	0.0777	1.60E-01	-0.0119	8.30E-01	0.0406	4.63E-01	0.0792	1.52E-01	NO
CRELD1	ILMN_1739558	CRELD1	78987	0.7747	3.01E-04	0.1767	1.29E-03	0.0789	1.53E-01	-0.0953	8.45E-02	-0.0367	5.07E-01	-0.0043	9.39E-01	YES
OGFOD1	ILMN_1677953	OGFOD1	55239	0.7744	3.75E-17	0.1556	4.66E-03	0.1290	1.92E-02	-0.1036	6.05E-02	-0.0112	8.40E-01	0.0059	9.16E-01	NO
CORO1A	ILMN_1713749	CORO1A	11151	0.7743	2.37E-16	0.1516	5.85E-03	0.1046	5.80E-02	0.0111	8.41E-01	0.0800	1.48E-01	0.1213	2.78E-02	NO
AES	ILMN_1712944	AES	166	0.7743	2.55E-09	0.1821	9.04E-04	0.0768	1.64E-01	0.0553	3.18E-01	0.1029	6.24E-02	0.1670	2.38E-03	YES
C14ORF173	ILMN_2393450	C14orf173	64423	0.7730	1.66E-04	0.1912	4.87E-04	0.0822	1.37E-01	-0.0234	6.72E-01	0.0327	5.54E-01	0.0839	1.29E-01	YES
SIN3B	ILMN_1788315	SIN3B	23309	0.7728	7.78E-01	0.1610	3.41E-03	0.1293	1.90E-02	-0.0904	1.02E-01	0.0013	9.81E-01	0.0228	6.80E-01	YES
LOC391811	ILMN_1746252	LOC391811	391811	0.7727	2.41E-11	0.2080	1.44E-04	0.1146	3.77E-02	-0.1236	2.50E-02	-0.0395	4.76E-01	-0.0063	9.09E-01	YES
SMARCB1	ILMN_1758823	SMARCB1	6598	0.7723	3.69E-06	0.1571	4.28E-03	0.1335	1.54E-02	0.1182	3.21E-02	0.1995	2.71E-04	0.2600	1.76E-06	NO
MORC2	ILMN_2103591	MORC2	22880	0.7701	6.59E-01	0.2113	1.13E-04	0.0735	1.84E-01	0.0720	1.93E-01	0.1163	3.50E-02	0.1942	3.95E-04	YES
CLSTN1	ILMN_2415179	CLSTN1	22883	0.7701	2.40E-08	0.1724	1.69E-03	0.1007	6.81E-02	-0.1697	2.01E-03	-0.0919	9.61E-02	-0.0784	1.56E-01	YES
GTF3C2	ILMN_2356574	GTF3C2	2976	0.7695	1.01E-16	0.2589	1.93E-06	0.0639	2.48E-01	-0.0803	1.46E-01	-0.0327	5.55E-01	0.0332	5.49E-01	YES
FAM53B	ILMN_1704571	FAM53B	9679	0.7686	1.45E-01	0.1842	7.87E-04	0.1597	3.68E-03	-0.0347	5.30E-01	0.0738	1.82E-01	0.1103	4.57E-02	YES
ELP3	ILMN_1744068	ELP3	55140	0.7681	5.83E-24	0.1526	5.54E-03	0.1176	3.30E-02	-0.1399	1.11E-02	-0.0528	3.40E-01	-0.0425	4.43E-01	NO
U2AF2	ILMN_1768930	U2AF2	11338	0.7679	3.41E-04	0.2619	1.46E-06	0.0450	4.16E-01	-0.0242	6.62E-01	0.0072	8.96E-01	0.0875	1.13E-01	YES
DCAF7	ILMN_1682264	DCAF7	10238	0.7677	1.15E-16	0.1959	3.52E-04	0.1115	4.32E-02	-0.0858	1.20E-01	-0.0062	9.11E-01	0.0306	5.81E-01	YES
BSDC1	ILMN_1734483	BSDC1	55108	0.7675	4.53E-13	0.1837	8.13E-04	0.1874	6.35E-04	-0.0556	3.15E-01	0.0726	1.89E-01	0.1013	6.65E-02	YES
ABR	ILMN_1672878	ABR	29	0.7674	2.23E-05	0.2251	3.79E-05	0.1080	5.03E-02	-0.0662	2.31E-01	0.0098	8.59E-01	0.0610	2.70E-01	YES
SLC24A6	ILMN_1701655	SLC24A6	80024	0.7671	6.28E-01	0.1831	8.49E-04	0.1093	4.76E-02	0.0657	2.35E-01	0.1342	1.48E-02	0.1965	3.35E-04	YES
SH3KBP1	ILMN_1810782	SH3KBP1	30011	0.7666	4.78E-06	0.2186	6.39E-05	0.0589	2.87E-01	-0.0877	1.12E-01	-0.0430	4.37E-01	0.0080	8.85E-01	YES
MFN2	ILMN_1651385	MFN2	9927	0.7662	9.51E-27	0.1748	1.46E-03	0.1427	9.53E-03	-0.0409	4.60E-01	0.0567	3.05E-01	0.0909	9.99E-02	YES
TNPO3	ILMN_1683811	TNPO3	23534	0.7654	6.29E-07	0.1930	4.31E-04	0.1604	3.53E-03	-0.0035	9.49E-01	0.1034	6.10E-02	0.1490	6.78E-03	YES
WDR1	ILMN_1780036	WDR1	9948	0.7650	7.73E-09	0.2216	5.04E-05	0.0219	6.93E-01	-0.0400	4.70E-01	-0.0229	6.79E-01	0.0433	4.34E-01	YES
TBCD	ILMN_1795400	TBCD	6904	0.7647	1.47E-15	0.1732	1.61E-03	0.1520	5.72E-03	-0.0743	1.79E-01	0.0315	5.69E-01	0.0574	2.99E-01	YES
CDKN1A	ILMN_1784602	CDKN1A	1026	0.7639	6.94E-19	0.1864	6.77E-04	0.1451	8.41E-03	-0.0895	1.05E-01	0.0127	8.19E-01	0.0411	4.57E-01	YES
TNFRSF25	ILMN_1765109	TNFRSF25	8718	0.7636	1.79E-26	0.1703	1.94E-03	0.1033	6.13E-02	-0.1114	4.35E-02	-0.0356	5.20E-01	-0.0117	8.33E-01	YES
CSK	ILMN_1754121	CSK	1445	0.7633	5.61E-09	0.1628	3.07E-03	0.0699	2.06E-01	0.0737	1.82E-01	0.1156	3.61E-02	0.1775	1.23E-03	YES
ATP1A1	ILMN_1731783	ATP1A1	476	0.7633	2.40E-14	0.1020	6.47E-02	0.1423	9.75E-03	0.0884	1.10E-01	0.1774	1.23E-03	0.2118	1.09E-04	NO
EEF2	ILMN_1738383	EEF2	1938	0.7623	1.14E-26	0.1846	7.66E-04	0.1087	4.89E-02	-0.0840	1.28E-01	-0.0064	9.08E-01	0.0272	6.23E-01	YES
SAP130	ILMN_1700044	SAP130	79595	0.7623	7.08E-04	0.2080	1.44E-04	0.0661	2.32E-01	0.0996	7.12E-02	0.1372	1.27E-02	0.2204	5.53E-05	YES
GBF1	ILMN_2157544	GBF1	8729	0.7619	8.94E-01	0.1565	4.44E-03	0.0477	3.88E-01	0.0552	3.18E-01	0.0835	1.31E-01	0.1424	9.69E-03	NO
ATHL1	ILMN_1794707	ATHL1	80162	0.7608	9.23E-28	0.1642	2.82E-03	0.1340	1.50E-02	-0.0721	1.92E-01	0.0216	6.96E-01	0.0471	3.94E-01	YES
ZAP70	ILMN_1719756	ZAP70	7535	0.7605	1.63E-05	0.1337	1.52E-02	0.0925	9.41E-02	0.1324	1.63E-02	0.1855	7.23E-04	0.2459	6.40E-06	NO
EDC4	ILMN_1665212	EDC4	23644	0.7604	2.03E-12	0.1597	3.69E-03	0.0886	1.09E-01	-0.0075	8.92E-01	0.0519	3.48E-01	0.0944	8.74E-02	YES
PLEKHM2	ILMN_1683980	PLEKHM2	23207	0.7603	2.96E-10	0.2064	1.63E-04	0.0680	2.19E-01	-0.0749	1.75E-01	-0.0249	6.52E-01	0.0232	6.75E-01	YES
SKIV2L	ILMN_1666512	SKIV2L	6499	0.7600	7.31E-02	0.1874	6.33E-04	0.1340	1.50E-02	-0.0384	4.87E-01	0.0531	3.37E-01	0.0934	9.09E-02	YES
PPP2R4	ILMN_1729123	PPP2R4	5524	0.7599	1.11E-07	0.1581	4.04E-03	0.1433	9.23E-03	-0.1243	2.42E-02	-0.0210	7.04E-01	-0.0090	8.71E-01	YES
IFT122	ILMN_1742379	IFT122	55764	0.7598	1.95E-02	0.1657	2.58E-03	0.1283	1.99E-02	0.0671	2.25E-01	0.1482	7.10E-03	0.2022	2.22E-04	YES
ARCN1	ILMN_1699703	ARCN1	372	0.7595	1.63E-25	0.1967	3.31E-04	0.1302	1.82E-02	-0.1042	5.90E-02	-0.0110	8.42E-01	0.0200	7.18E-01	YES
CLCN7	ILMN_1694731	CLCN7	1186	0.7588	3.52E-01	0.1056	5.57E-02	0.0828	1.34E-01	0.0770	1.63E-01	0.1273	2.09E-02	0.1683	2.19E-03	NO

P4HTM	ILMN_2372136	P4HTM	54681	0.7582	2.47E-03	0.1488	6.87E-03	0.0863	1.18E-01	-0.1323	1.64E-02	-0.0664	2.30E-01	-0.0519	3.48E-01	NO
B3GAT3	ILMN_2210581	B3GAT3	26229	0.7577	2.63E-07	0.2356	1.58E-05	0.0727	1.88E-01	-0.1315	1.70E-02	-0.0748	1.76E-01	-0.0283	6.09E-01	YES
RAVER1	ILMN_1740395	RAVER1	125950	0.7576	5.63E-18	0.1758	1.37E-03	0.1077	5.11E-02	-0.0342	5.37E-01	0.0396	4.74E-01	0.0800	1.48E-01	YES
LOC728734	ILMN_1758798	LOC728734	728734	0.7564	7.51E-10	0.1681	2.21E-03	0.1381	1.22E-02	0.1032	6.15E-02	0.1885	5.88E-04	0.2493	4.73E-06	YES
LMF2	ILMN_1716056	LMF2	91289	0.7559	2.76E-05	0.2592	1.88E-06	0.0454	4.11E-01	-0.0251	6.50E-01	0.0067	9.03E-01	0.0859	1.20E-01	YES
TIMP1	ILMN_1711566	TIMP1	7076	0.7554	2.88E-03	0.2326	2.02E-05	0.0928	9.27E-02	-0.0298	5.90E-01	0.0338	5.41E-01	0.0967	7.98E-02	YES
CAPNS1	ILMN_2393254	CAPNS1	826	0.7553	1.17E-08	0.2492	4.76E-06	0.1273	2.09E-02	-0.2048	1.84E-04	-0.1071	5.22E-02	-0.0772	1.62E-01	YES
C14ORF133	ILMN_1734440	C14orf133	63894	0.7552	3.62E-02	0.2123	1.04E-04	0.0356	5.20E-01	-0.0954	8.42E-02	-0.0656	2.35E-01	-0.0153	7.83E-01	YES
KHSRP	ILMN_1673936	KHSRP	8570	0.7549	7.75E-11	0.1416	1.01E-02	0.1180	3.24E-02	0.0527	3.41E-01	0.1278	2.04E-02	0.1721	1.73E-03	NO
PEX16	ILMN_1701466	PEX16	9409	0.7541	3.46E-03	0.1715	1.80E-03	0.0316	5.68E-01	-0.0671	2.25E-01	-0.0419	4.49E-01	0.0004	9.95E-01	YES
DAXX	ILMN_1708077	DAXX	1616	0.7540	1.76E-04	0.2037	1.99E-04	0.0361	5.14E-01	-0.0123	8.24E-01	0.0125	8.21E-01	0.0761	1.68E-01	YES
PARP10	ILMN_1710844	PARP10	84875	0.7536	7.68E-10	0.1848	7.57E-04	0.1219	2.70E-02	0.0362	5.13E-01	0.1150	3.70E-02	0.1705	1.91E-03	YES
TUBGCP6	ILMN_1766803	TUBGCP6	85378	0.7535	1.03E-01	0.1980	3.03E-04	0.0321	5.61E-01	-0.0986	7.41E-02	-0.0710	1.99E-01	-0.0258	6.41E-01	YES
SRF	ILMN_1803398	SRF	6722	0.7530	3.24E-02	0.2012	2.39E-04	0.1409	1.05E-02	0.0039	9.43E-01	0.0974	7.76E-02	0.1498	6.47E-03	YES
AAK1	ILMN_1688755	AAK1	22848	0.7527	3.67E-06	0.2030	2.09E-04	0.0929	9.25E-02	0.0255	6.45E-01	0.0857	1.21E-01	0.1491	6.73E-03	YES
C11ORF2	ILMN_2077094	C11orf2	738	0.7526	1.26E-06	0.1983	2.95E-04	0.1135	3.97E-02	-0.0291	5.98E-01	0.0482	3.83E-01	0.0967	8.00E-02	YES
UNC84B	ILMN_2099301	UNC84B	25777	0.7523	1.73E-21	0.1332	1.56E-02	0.1263	2.19E-02	0.0779	1.58E-01	0.1570	4.30E-03	0.2022	2.22E-04	NO
RASSF7	ILMN_1733110	RASSF7	8045	0.7521	3.90E-06	0.2112	1.14E-04	0.0950	8.54E-02	-0.0958	8.28E-02	-0.0265	6.32E-01	0.0157	7.77E-01	YES
PSAP	ILMN_2355559	PSAP	5660	0.7515	4.97E-18	0.1987	2.87E-04	0.1298	1.85E-02	-0.0756	1.71E-01	0.0156	7.79E-01	0.0529	3.39E-01	YES
FICD	ILMN_1778064	FICD	11153	0.7514	8.02E-07	0.1341	1.49E-02	0.0651	2.39E-01	-0.0188	7.34E-01	0.0257	6.42E-01	0.0601	2.77E-01	NO
ELAC2	ILMN_1718044	ELAC2	60528	0.7514	3.69E-10	0.1443	8.75E-03	0.0843	1.27E-01	-0.0091	8.69E-01	0.0475	3.90E-01	0.0850	1.24E-01	NO
ZNF395	ILMN_1772876	ZNF395	55893	0.7513	1.88E-32	0.1803	1.02E-03	0.0879	1.12E-01	0.0341	5.37E-01	0.0905	1.01E-01	0.1484	7.02E-03	YES
APRT	ILMN_1722491	APRT	353	0.7510	1.53E-05	0.1657	2.57E-03	0.1320	1.66E-02	0.0200	7.18E-01	0.1065	5.36E-02	0.1509	6.11E-03	YES
PMPCA	ILMN_1764239	PMPCA	23203	0.7504	3.05E-02	0.2321	2.12E-05	0.1581	4.04E-03	-0.0212	7.02E-01	0.0853	1.22E-01	0.1413	1.03E-02	YES
CLPTM1	ILMN_1665831	CLPTM1	1209	0.7500	9.63E-02	0.2385	1.23E-05	0.0983	7.51E-02	-0.1199	2.97E-02	-0.0469	3.96E-01	-0.0004	9.95E-01	YES
ADRM1	ILMN_2389013	ADRM1	11047	0.7490	9.76E-01	0.2000	2.62E-04	0.0970	7.90E-02	0.1161	3.53E-02	0.1733	1.61E-03	0.2529	3.39E-06	YES
METT11D1	ILMN_1782257	METT11D1	64745	0.7488	2.01E-05	0.1730	1.64E-03	0.1022	6.41E-02	-0.0088	8.73E-01	0.0597	2.80E-01	0.1048	5.76E-02	YES
TRIM21	ILMN_1678054	TRIM21	6737	0.7485	8.86E-18	0.2320	2.13E-05	0.1047	5.77E-02	-0.1234	2.52E-02	-0.0459	4.07E-01	-0.0031	9.55E-01	YES
SFRS14	ILMN_1711270	SFRS14	10147	0.7481	2.18E-04	0.2462	6.25E-06	0.1214	2.77E-02	-0.1064	5.38E-02	-0.0189	7.32E-01	0.0299	5.88E-01	YES
DNAJA3	ILMN_1662334	DNAJA3	9093	0.7477	1.48E-09	0.2283	2.91E-05	0.0344	5.34E-01	0.0385	4.86E-01	0.0590	2.86E-01	0.1413	1.03E-02	YES
VARS2	ILMN_1737585	VARS2	57176	0.7477	6.09E-03	0.2754	3.88E-07	0.0513	3.53E-01	-0.0837	1.30E-01	-0.0443	4.24E-01	0.0282	6.10E-01	YES
POGK	ILMN_1756669	POGK	57645	0.7477	1.97E-27	0.1464	7.84E-03	0.1143	3.82E-02	-0.0943	8.76E-02	-0.0123	8.24E-01	0.0053	9.24E-01	NO
THAP7	ILMN_1652486	THAP7	80764	0.7475	4.67E-09	0.2040	1.95E-04	0.1372	1.27E-02	-0.0629	2.56E-01	0.0324	5.58E-01	0.0731	1.86E-01	YES
HELZ	ILMN_1762835	HELZ	9931	0.7475	3.05E-03	0.1751	1.43E-03	0.0745	1.78E-01	0.0252	6.49E-01	0.0732	1.86E-01	0.1292	1.90E-02	YES
AP3D1	ILMN_1764945	AP3D1	8943	0.7474	2.43E-04	0.2081	1.43E-04	0.0763	1.68E-01	-0.1384	1.20E-02	-0.0788	1.54E-01	-0.0436	4.30E-01	YES
CDH23	ILMN_1783149	CDH23	64072	0.7470	8.83E-02	0.1863	6.84E-04	0.1224	2.64E-02	0.0830	1.33E-01	0.1592	3.78E-03	0.2243	4.02E-05	YES
TBC1D10C	ILMN_1710434	TBC1D10C	374403	0.7467	1.06E-12	0.1403	1.09E-02	0.0947	8.64E-02	-0.0685	2.16E-01	-0.0011	9.84E-01	0.0219	6.92E-01	NO
POFUT2	ILMN_1775823	POFUT2	23275	0.7465	1.93E-02	0.2110	1.15E-04	0.0743	1.79E-01	-0.0032	9.54E-01	0.0464	4.02E-01	0.1094	4.74E-02	YES
PHF1	ILMN_1746968	PHF1	5252	0.7464	3.70E-14	0.1796	1.07E-03	0.1421	9.87E-03	0.0047	9.33E-01	0.0989	7.33E-02	0.1438	9.01E-03	YES
TH1L	ILMN_1663954	TH1L	51497	0.7462	3.26E-01	0.1554	4.73E-03	0.1312	1.73E-02	0.0533	3.35E-01	0.1372	1.27E-02	0.1847	7.64E-04	NO
VCP	ILMN_1777220	VCP	7415	0.7460	9.03E-06	0.1970	3.23E-04	0.0696	2.08E-01	-0.0815	1.40E-01	-0.0299	5.88E-01	0.0134	8.08E-01	YES
MCM7	ILMN_1663195	MCM7	4176	0.7458	3.32E-28	0.1791	1.10E-03	0.0987	7.39E-02	-0.0533	3.35E-01	0.0157	7.77E-01	0.0547	3.23E-01	YES
HDGF2	ILMN_2325978	HDGF2	84717	0.7457	2.39E-09	0.1794	1.08E-03	0.1179	3.26E-02	0.0007	9.90E-01	0.0791	1.52E-01	0.1263	2.20E-02	YES
PTBP1	ILMN_1655154	PTBP1	5725	0.7456	3.06E-12	0.1111	4.40E-02	0.1269	2.13E-02	-0.0632	2.53E-01	0.0252	6.49E-01	0.0350	5.27E-01	NO
EXOSC10	ILMN_1711189	EXOSC10	5394	0.7451	6.13E-03	0.1689	2.11E-03	0.1193	3.05E-02	0.0330	5.50E-01	0.1103	4.55E-02	0.1600	3.61E-03	YES
ZNF524	ILMN_1810147	ZNF524	147807	0.7439	3.10E-11	0.1467	7.71E-03	0.1468	7.64E-03	-0.0857	1.21E-01	0.0175	7.52E-01	0.0326	5.56E-01	NO

PLEKHF1	ILMN_1708041	PLEKHF1	79156	0.7437	2.79E-20	0.1442	8.79E-03	0.0857	1.21E-01	-0.0639	2.48E-01	-0.0028	9.59E-01	0.0236	6.70E-01	NO
TSC2	ILMN_1714216	TSC2	7249	0.7435	3.06E-11	0.1512	5.99E-03	0.1104	4.53E-02	-0.0396	4.74E-01	0.0364	5.11E-01	0.0668	2.27E-01	NO
ABHD14A	ILMN_1794213	ABHD14A	25864	0.7435	4.35E-07	0.1522	5.67E-03	0.1535	5.26E-03	-0.0515	3.52E-01	0.0539	3.30E-01	0.0768	1.65E-01	NO
SH2D3C	ILMN_1775734	SH2D3C	10044	0.7430	1.56E-07	0.2058	1.71E-04	0.0393	4.78E-01	0.1172	3.36E-02	0.1358	1.37E-02	0.2251	3.77E-05	YES
AZ11	ILMN_1746206	AZ11	22994	0.7429	6.84E-01	0.1246	2.38E-02	0.0875	1.13E-01	-0.0874	1.14E-01	-0.0237	6.69E-01	-0.0089	8.73E-01	NO
DAGLB	ILMN_1658885	DAGLB	221955	0.7429	2.60E-03	0.2284	2.90E-05	0.1119	4.25E-02	-0.1244	2.41E-02	-0.0420	4.47E-01	-0.0016	9.76E-01	YES
VPS52	ILMN_1666632	VPS52	6293	0.7428	3.91E-06	0.2717	5.61E-07	0.0418	4.50E-01	-0.2323	2.08E-05	-0.1898	5.40E-04	-0.1465	7.79E-03	YES
NOMO1	ILMN_1678730	NOMO1	23420	0.7427	9.17E-05	0.1798	1.05E-03	0.0743	1.79E-01	-0.1766	1.30E-03	-0.1159	3.55E-02	-0.0978	7.65E-02	YES
URG4	ILMN_1777811	URG4	55665	0.7419	3.12E-01	0.2046	1.87E-04	0.0404	4.66E-01	0.1048	5.76E-02	0.1250	2.34E-02	0.2113	1.13E-04	YES
STK11IP	ILMN_1690085	STK11IP	114790	0.7417	5.91E-08	0.1560	4.57E-03	0.1640	2.85E-03	0.0138	8.03E-01	0.1221	2.68E-02	0.1577	4.13E-03	NO
ICAM2	ILMN_1786823	ICAM2	3384	0.7409	1.91E-09	0.2633	1.27E-06	0.0409	4.60E-01	-0.0863	1.18E-01	-0.0536	3.32E-01	0.0155	7.79E-01	YES
SRPR	ILMN_1785660	SRPR	6734	0.7408	2.84E-02	0.2244	4.00E-05	0.0791	1.52E-01	-0.0453	4.13E-01	0.0102	8.53E-01	0.0690	2.12E-01	YES
CXCL14	ILMN_1748323	CXCL14	9547	0.7405	5.28E-01	0.1662	2.49E-03	0.0799	1.48E-01	-0.0012	9.83E-01	0.0520	3.47E-01	0.0991	7.26E-02	YES
FASTK	ILMN_2407464	FASTK	10922	0.7402	1.89E-08	0.1249	2.35E-02	0.0621	2.61E-01	-0.0755	1.72E-01	-0.0293	5.96E-01	-0.0088	8.73E-01	NO
SLC35A4	ILMN_2105966	SLC35A4	113829	0.7400	3.38E-05	0.1563	4.49E-03	0.0989	7.32E-02	-0.0040	9.43E-01	0.0621	2.62E-01	0.1027	6.27E-02	NO
SMARCA4	ILMN_1814173	SMARCA4	6597	0.7399	2.30E-01	0.2241	4.09E-05	0.0443	4.23E-01	0.0043	9.37E-01	0.0336	5.44E-01	0.1064	5.38E-02	YES
ENTPD6	ILMN_2091792	ENTPD6	955	0.7399	1.11E-15	0.2129	9.96E-05	0.0803	1.46E-01	-0.1005	6.87E-02	-0.0407	4.62E-01	0.0031	9.56E-01	YES
FASN	ILMN_1784871	FASN	2194	0.7399	1.42E-08	0.1334	1.54E-02	0.0358	5.17E-01	-0.0192	7.28E-01	0.0058	9.16E-01	0.0437	4.29E-01	NO
TAPBP	ILMN_1742450	TAPBP	6892	0.7399	4.31E-07	0.2529	3.38E-06	0.0684	2.16E-01	-0.0973	7.81E-02	-0.0456	4.10E-01	0.0143	7.97E-01	YES
RIPK5	ILMN_1779600	RIPK5	25778	0.7397	1.14E-03	0.1720	1.74E-03	0.1245	2.39E-02	0.0039	9.44E-01	0.0865	1.18E-01	0.1308	1.76E-02	YES
TPP1	ILMN_1729234	TPP1	1200	0.7393	4.08E-07	0.2100	1.24E-04	0.0961	8.17E-02	-0.0405	4.64E-01	0.0260	6.39E-01	0.0785	1.56E-01	YES
ARHGAP4	ILMN_1770824	ARHGAP4	393	0.7392	3.16E-02	0.1723	1.71E-03	0.1421	9.87E-03	-0.0427	4.40E-01	0.0545	3.24E-01	0.0876	1.13E-01	YES
TESK1	ILMN_1791067	TESK1	7016	0.7392	7.87E-05	0.1977	3.08E-04	0.0526	3.42E-01	-0.0581	2.94E-01	-0.0194	7.26E-01	0.0310	5.75E-01	YES
CCDC88B	ILMN_1772208	CCDC88B	283234	0.7388	6.62E-07	0.2135	9.47E-05	0.0427	4.40E-01	0.0935	9.04E-02	0.1160	3.55E-02	0.2029	2.12E-04	YES
CD68	ILMN_1714861	CD68	968	0.7380	3.59E-03	0.1959	3.50E-04	0.1215	2.75E-02	-0.0134	8.09E-01	0.0683	2.16E-01	0.1180	3.24E-02	YES
LONP1	ILMN_1766125	LONP1	9361	0.7377	5.94E-09	0.1884	5.91E-04	0.0424	4.43E-01	-0.1466	7.73E-03	-0.1091	4.81E-02	-0.0779	1.58E-01	YES
PIGS	ILMN_1691291	PIGS	94005	0.7372	2.27E-10	0.1585	3.96E-03	0.1408	1.06E-02	-0.0760	1.69E-01	0.0225	6.84E-01	0.0444	4.22E-01	YES
AATF	ILMN_1703743	AATF	26574	0.7371	1.15E-24	0.1585	3.95E-03	0.1187	3.13E-02	-0.0861	1.19E-01	-0.0017	9.76E-01	0.0211	7.03E-01	YES
SPHK2	ILMN_1729281	SPHK2	56848	0.7371	3.40E-22	0.1461	7.96E-03	0.0895	1.05E-01	0.1279	2.03E-02	0.1793	1.09E-03	0.2435	7.91E-06	NO
FLAD1	ILMN_1663667	FLAD1	80308	0.7366	6.40E-01	0.2263	3.42E-05	0.0441	4.26E-01	0.0148	7.89E-01	0.0432	4.35E-01	0.1189	3.11E-02	YES
DIAPH1	ILMN_2321416	DIAPH1	1729	0.7361	9.41E-10	0.1837	8.14E-04	0.0970	7.91E-02	0.0472	3.93E-01	0.1087	4.88E-02	0.1692	2.07E-03	YES
E4F1	ILMN_1720287	E4F1	1877	0.7357	1.04E-01	0.1700	1.98E-03	0.0919	9.59E-02	0.0491	3.74E-01	0.1072	5.21E-02	0.1639	2.86E-03	YES
MED24	ILMN_1711853	MED24	9862	0.7354	2.79E-01	0.1724	1.69E-03	0.0184	7.40E-01	0.0944	8.75E-02	0.1006	6.84E-02	0.1765	1.30E-03	YES
APRT	ILMN_1726410	APRT	353	0.7353	2.02E-06	0.1651	2.67E-03	0.0596	2.81E-01	0.0256	6.43E-01	0.0637	2.49E-01	0.1183	3.20E-02	YES
GPI	ILMN_2173451	GPI	2821	0.7352	1.36E-06	0.1456	8.17E-03	0.0514	3.53E-01	-0.1202	2.93E-02	-0.0784	1.56E-01	-0.0581	2.93E-01	NO
DCTD	ILMN_1802456	DCTD	1635	0.7348	2.32E-02	0.1677	2.28E-03	0.0566	3.06E-01	-0.0340	5.39E-01	0.0058	9.17E-01	0.0500	3.66E-01	YES
UCHL5IP	ILMN_2371700	UCHL5IP	55559	0.7347	1.24E-13	0.1890	5.70E-04	0.1318	1.67E-02	-0.0050	9.27E-01	0.0830	1.33E-01	0.1305	1.78E-02	YES
RUVBL1	ILMN_1693108	RUVBL1	8607	0.7343	4.72E-04	0.2341	1.79E-05	0.0764	1.67E-01	-0.0816	1.40E-01	-0.0256	6.44E-01	0.0297	5.91E-01	YES
CS	ILMN_2396410	CS	1431	0.7341	2.28E-01	0.1504	6.27E-03	0.0983	7.49E-02	-0.0195	7.25E-01	0.0472	3.94E-01	0.0829	1.34E-01	NO
RANGAP1	ILMN_1662198	RANGAP1	5905	0.7337	5.83E-30	0.1921	4.60E-04	0.1350	1.43E-02	-0.0827	1.34E-01	0.0123	8.24E-01	0.0453	4.12E-01	YES
PLEKHB2	ILMN_1697652	PLEKHB2	55041	0.7334	3.01E-17	0.1821	9.07E-04	0.1414	1.03E-02	-0.1010	6.73E-02	-0.0005	9.92E-01	0.0246	6.57E-01	YES
FAM127A	ILMN_1708143	FAM127A	8933	0.7334	1.52E-11	0.1927	4.40E-04	0.1425	9.67E-03	-0.1487	6.90E-03	-0.0445	4.21E-01	-0.0252	6.49E-01	YES
DCTN1	ILMN_2412807	DCTN1	1639	0.7334	3.01E-09	0.1579	4.08E-03	0.1569	4.34E-03	-0.0131	8.13E-01	0.0921	9.53E-02	0.1241	2.44E-02	YES
PPP1CA	ILMN_2377980	PPP1CA	5499	0.7331	1.13E-38	0.1755	1.39E-03	0.1690	2.10E-03	-0.0492	3.74E-01	0.0663	2.30E-01	0.0958	8.27E-02	YES
FAM110A	ILMN_2323944	FAM110A	83541	0.7331	7.54E-01	0.1515	5.91E-03	0.0708	2.00E-01	0.1558	4.63E-03	0.1930	4.32E-04	0.2669	8.98E-07	NO
DOPEY2	ILMN_2180239	DOPEY2	9980	0.7330	7.71E-14	0.1836	8.22E-04	0.0954	8.41E-02	-0.0421	4.47E-01	0.0240	6.64E-01	0.0672	2.24E-01	YES

TMUB1	ILMN_1666050	TMUB1	83590	0.7330	1.29E-07	0.2154	8.22E-05	0.1824	8.86E-04	-0.1430	9.41E-03	-0.0125	8.21E-01	0.0106	8.48E-01	YES
ECHDC2	ILMN_1671568	ECHDC2	55268	0.7327	2.72E-03	0.1774	1.23E-03	0.0888	1.08E-01	-0.0639	2.48E-01	-0.0008	9.88E-01	0.0368	5.06E-01	YES
INTS3	ILMN_1756086	INTS3	65123	0.7317	3.00E-02	0.2093	1.32E-04	0.0908	1.00E-01	-0.1203	2.92E-02	-0.0523	3.45E-01	-0.0150	7.87E-01	YES
KIF21B	ILMN_2163819	KIF21B	23046	0.7316	1.22E-04	0.1897	5.40E-04	0.1196	3.01E-02	-0.0692	2.11E-01	0.0148	7.89E-01	0.0516	3.51E-01	YES
SLC38A10	ILMN_2277419	SLC38A10	124565	0.7314	2.93E-13	0.1487	6.89E-03	0.1672	2.35E-03	-0.0475	3.91E-01	0.0668	2.27E-01	0.0875	1.13E-01	NO
STK10	ILMN_1651692	STK10	6793	0.7314	1.36E-01	0.1901	5.27E-04	0.1332	1.56E-02	-0.0689	2.12E-01	0.0240	6.64E-01	0.0593	2.84E-01	YES
SLC5A6	ILMN_1741054	SLC5A6	8884	0.7312	1.58E-04	0.1619	3.22E-03	0.0904	1.02E-01	0.1585	3.95E-03	0.2085	1.39E-04	0.2841	1.58E-07	YES
FXYD5	ILMN_1704286	FXYD5	53827	0.7308	8.65E-30	0.1850	7.48E-04	0.1366	1.32E-02	-0.0591	2.85E-01	0.0355	5.21E-01	0.0705	2.02E-01	YES
LOC286208	ILMN_1657011	LOC286208	286208	0.7298	7.02E-06	0.1709	1.86E-03	0.1490	6.80E-03	-0.0161	7.72E-01	0.0840	1.28E-01	0.1210	2.82E-02	YES
ABCF1	ILMN_2392635	ABCF1	23	0.7296	9.95E-32	0.1792	1.10E-03	0.1703	1.93E-03	-0.0590	2.86E-01	0.0581	2.94E-01	0.0867	1.16E-01	YES
COPA	ILMN_1811615	COPA	1314	0.7295	1.99E-06	0.1779	1.19E-03	0.1062	5.43E-02	0.0540	3.29E-01	0.1212	2.79E-02	0.1799	1.05E-03	YES
AP4B1	ILMN_1669377	AP4B1	10717	0.7293	5.25E-10	0.2147	8.68E-05	0.1220	2.70E-02	-0.1704	1.93E-03	-0.0784	1.56E-01	-0.0531	3.37E-01	YES
SCAMP3	ILMN_1793712	SCAMP3	10067	0.7292	3.94E-05	0.1892	5.62E-04	0.0456	4.10E-01	0.1069	5.28E-02	0.1304	1.80E-02	0.2111	1.14E-04	YES
PABPN1	ILMN_1759154	PABPN1	8106	0.7291	2.85E-02	0.2161	7.78E-05	0.0683	2.17E-01	0.0562	3.10E-01	0.0981	7.57E-02	0.1752	1.42E-03	YES
PLEKHB2	ILMN_2297710	PLEKHB2	55041	0.7283	5.67E-09	0.1973	3.17E-04	0.0782	1.57E-01	-0.0296	5.92E-01	0.0243	6.61E-01	0.0768	1.64E-01	YES
IL11RA	ILMN_1664912	IL11RA	3590	0.7281	3.97E-08	0.0938	8.94E-02	0.1069	5.28E-02	0.0782	1.57E-01	0.1443	8.76E-03	0.1784	1.16E-03	NO
DRG2	ILMN_1810531	DRG2	1819	0.7280	8.74E-08	0.1860	7.00E-04	0.0875	1.13E-01	-0.0716	1.95E-01	-0.0088	8.73E-01	0.0304	5.83E-01	YES
WDR73	ILMN_1702592	WDR73	84942	0.7278	7.26E-02	0.2242	4.07E-05	0.1013	6.64E-02	-0.0190	7.32E-01	0.0497	3.69E-01	0.1106	4.49E-02	YES
NOL12	ILMN_2151368	NOL12	79159	0.7276	4.67E-07	0.1836	8.20E-04	0.1496	6.56E-03	-0.1347	1.45E-02	-0.0266	6.31E-01	-0.0086	8.76E-01	YES
B4GALT7	ILMN_1663541	B4GALT7	11285	0.7276	6.16E-09	0.1959	3.51E-04	0.1180	3.24E-02	-0.0773	1.62E-01	0.0061	9.13E-01	0.0436	4.30E-01	YES
LTBP3	ILMN_1805395	LTBP3	4054	0.7271	5.66E-01	0.1900	5.32E-04	0.0615	2.66E-01	0.0460	4.05E-01	0.0840	1.28E-01	0.1510	6.06E-03	YES
ZNF827	ILMN_1727574	ZNF827	152485	0.7271	5.29E-07	0.1908	5.03E-04	0.0728	1.88E-01	-0.0461	4.05E-01	0.0053	9.24E-01	0.0530	3.37E-01	YES
OSBPL5	ILMN_1802151	OSBPL5	114879	0.7268	1.94E-06	0.2254	3.68E-05	0.0790	1.53E-01	-0.0194	7.26E-01	0.0344	5.34E-01	0.0986	7.40E-02	YES
PLXNA3	ILMN_1719972	PLXNA3	55558	0.7268	3.12E-17	0.1502	6.35E-03	0.0827	1.35E-01	0.0626	2.57E-01	0.1136	3.94E-02	0.1674	2.32E-03	NO
URG4	ILMN_2386818	URG4	55665	0.7268	9.15E-07	0.2059	1.69E-04	0.0685	2.15E-01	-0.0488	3.78E-01	-0.0001	9.98E-01	0.0529	3.39E-01	YES
CD84	ILMN_1698367	CD84	8832	0.7257	3.31E-01	0.1319	1.67E-02	0.1572	4.26E-03	0.0647	2.42E-01	0.1651	2.66E-03	0.2033	2.05E-04	NO
CD6	ILMN_1746565	CD6	923	0.7255	1.73E-04	0.2055	1.74E-04	0.1296	1.87E-02	-0.1350	1.43E-02	-0.0402	4.67E-01	-0.0121	8.27E-01	YES
SLC27A3	ILMN_1719627	SLC27A3	11000	0.7246	1.20E-02	0.1912	4.88E-04	0.1444	8.73E-03	-0.0365	5.09E-01	0.0618	2.63E-01	0.1024	6.36E-02	YES
IL10RA	ILMN_1652825	IL10RA	3587	0.7246	2.49E-01	0.2197	5.86E-05	0.0757	1.71E-01	-0.1255	2.28E-02	-0.0672	2.24E-01	-0.0254	6.46E-01	YES
POLRMT	ILMN_1770356	POLRMT	5442	0.7237	3.45E-13	0.1499	6.45E-03	0.1158	3.58E-02	-0.0652	2.38E-01	0.0160	7.73E-01	0.0403	4.67E-01	NO
SHC1	ILMN_1721022	SHC1	6464	0.7232	1.53E-09	0.2070	1.56E-04	0.0816	1.40E-01	-0.0879	1.11E-01	-0.0281	6.12E-01	0.0160	7.73E-01	YES
ZFYVE26	ILMN_1798061	ZFYVE26	23503	0.7229	4.13E-01	0.1398	1.11E-02	0.0817	1.39E-01	0.1772	1.25E-03	0.2203	5.59E-05	0.2930	6.19E-08	NO
MTHFR	ILMN_1734830	MTHFR	4524	0.7226	8.67E-04	0.2550	2.79E-06	0.0935	9.03E-02	-0.1787	1.13E-03	-0.1051	5.68E-02	-0.0638	2.49E-01	YES
DDX23	ILMN_1784218	DDX23	9416	0.7221	4.99E-01	0.2070	1.55E-04	0.0781	1.57E-01	-0.0610	2.70E-01	-0.0052	9.25E-01	0.0446	4.20E-01	YES
UCKL1	ILMN_2050255	UCKL1	54963	0.7219	1.57E-02	0.2282	2.93E-05	0.1167	3.43E-02	0.0191	7.30E-01	0.0955	8.37E-02	0.1634	2.96E-03	YES
DGKA	ILMN_2319913	DGKA	1606	0.7217	1.09E-06	0.1729	1.64E-03	0.1537	5.20E-03	-0.0673	2.23E-01	0.0392	4.78E-01	0.0662	2.31E-01	YES
C7ORF54	ILMN_1655961	C7orf54	27099	0.7213	8.12E-18	0.1511	6.04E-03	0.1036	6.05E-02	-0.0687	2.14E-01	0.0045	9.35E-01	0.0301	5.86E-01	NO
ADAR	ILMN_2320964	ADAR	103	0.7211	3.73E-02	0.1394	1.13E-02	0.1008	6.78E-02	0.0217	6.95E-01	0.0874	1.14E-01	0.1270	2.12E-02	NO
DPP3	ILMN_2349129	DPP3	10072	0.7211	1.63E-04	0.1648	2.71E-03	0.1047	5.78E-02	0.0054	9.23E-01	0.0747	1.77E-01	0.1194	3.03E-02	YES
UGCGL1	ILMN_2360291	UGCGL1	56886	0.7211	1.29E-02	0.1452	8.34E-03	0.1074	5.17E-02	-0.0216	6.97E-01	0.0513	3.54E-01	0.0836	1.30E-01	NO
IFIT2	ILMN_1739428	IFIT2	3433	0.7211	1.25E-12	0.1437	9.07E-03	0.1144	3.82E-02	0.0157	7.77E-01	0.0908	1.00E-01	0.1289	1.93E-02	NO
TNK2	ILMN_1669703	TNK2	10188	0.7210	2.26E-42	0.2090	1.35E-04	0.1356	1.38E-02	-0.1061	5.46E-02	-0.0092	8.69E-01	0.0250	6.51E-01	YES
TTC17	ILMN_1660810	TTC17	55761	0.7203	1.28E-04	0.1804	1.01E-03	0.1341	1.49E-02	-0.0371	5.02E-01	0.0545	3.25E-01	0.0925	9.41E-02	YES
PRPF8	ILMN_1738677	PRPF8	10594	0.7202	5.55E-16	0.0793	1.51E-01	0.1138	3.91E-02	-0.0317	5.67E-01	0.0460	4.05E-01	0.0527	3.41E-01	NO
LOC653158	ILMN_1659490	LOC653158	653158	0.7198	2.19E-08	0.2133	9.67E-05	0.0844	1.27E-01	-0.0179	7.46E-01	0.0393	4.77E-01	0.0989	7.32E-02	YES
NISCH	ILMN_1735827	NISCH	11188	0.7197	3.11E-05	0.1359	1.36E-02	0.0312	5.73E-01	0.0658	2.34E-01	0.0824	1.36E-01	0.1384	1.20E-02	NO

TJAP1	ILMN_1743763	TJAP1	93643	0.7195	3.40E-18	0.2241	4.11E-05	0.0770	1.64E-01	-0.1865	6.76E-04	-0.1234	2.52E-02	-0.0922	9.51E-02	YES
MED22	ILMN_1792860	MED22	6837	0.7193	8.66E-05	0.1664	2.46E-03	0.1444	8.71E-03	-0.0256	6.44E-01	0.0721	1.92E-01	0.1062	5.42E-02	YES
TAX1BP3	ILMN_1803392	TAX1BP3	30851	0.7192	1.45E-01	0.2494	4.68E-06	0.0836	1.30E-01	-0.0482	3.83E-01	0.0104	8.50E-01	0.0767	1.65E-01	YES
GSTP1	ILMN_1679809	GSTP1	2950	0.7188	1.35E-03	0.2226	4.63E-05	0.1037	6.02E-02	-0.1299	1.84E-02	-0.0526	3.41E-01	-0.0143	7.97E-01	YES
BCL9L	ILMN_1743966	BCL9L	283149	0.7184	2.98E-18	0.1525	5.57E-03	0.1093	4.75E-02	-0.0083	8.80E-01	0.0649	2.40E-01	0.1021	6.43E-02	NO
ANKFY1	ILMN_1801464	ANKFY1	51479	0.7181	3.65E-08	0.2154	8.22E-05	0.1673	2.32E-03	-0.0829	1.34E-01	0.0337	5.42E-01	0.0706	2.02E-01	YES
SEC24C	ILMN_1676600	SEC24C	9632	0.7177	3.38E-01	0.1317	1.68E-02	0.1367	1.31E-02	0.0970	7.91E-02	0.1817	9.29E-04	0.2288	2.79E-05	NO
ACAP1	ILMN_1808395	ACAP1	9744	0.7174	3.83E-02	0.2022	2.23E-04	0.0447	4.19E-01	0.0287	6.04E-01	0.0566	3.06E-01	0.1266	2.16E-02	YES
FAM73B	ILMN_1701940	FAM73B	84895	0.7170	9.67E-06	0.1831	8.50E-04	0.1351	1.42E-02	0.0585	2.90E-01	0.1446	8.62E-03	0.2022	2.23E-04	YES
ARRB1	ILMN_1730620	ARRB1	408	0.7168	4.52E-01	0.1456	8.16E-03	0.0785	1.56E-01	0.0677	2.21E-01	0.1156	3.61E-02	0.1693	2.06E-03	NO
FBXO31	ILMN_1771139	FBXO31	79791	0.7167	5.34E-08	0.1273	2.09E-02	0.0950	8.53E-02	0.0079	8.87E-01	0.0706	2.01E-01	0.1041	5.93E-02	NO
CMIP	ILMN_1738075	CMIP	80790	0.7165	2.13E-01	0.1664	2.46E-03	0.0656	2.35E-01	-0.1218	2.72E-02	-0.0704	2.03E-01	-0.0450	4.16E-01	YES
LOC642033	ILMN_1673753	LOC642033	642033	0.7157	3.97E-12	0.1890	5.68E-04	0.1123	4.19E-02	0.0109	8.44E-01	0.0849	1.24E-01	0.1381	1.21E-02	YES
METTL13	ILMN_2343624	METTL13	51603	0.7156	1.25E-32	0.1339	1.51E-02	0.1149	3.73E-02	-0.0325	5.57E-01	0.0460	4.06E-01	0.0712	1.97E-01	NO
GPR114	ILMN_1666902	GPR114	221188	0.7153	4.32E-26	0.1665	2.45E-03	0.0503	3.63E-01	-0.0837	1.30E-01	-0.0450	4.16E-01	-0.0101	8.55E-01	YES
PRKRIP1	ILMN_1804490	PRKRIP1	79706	0.7148	9.04E-11	0.1453	8.30E-03	0.1238	2.47E-02	-0.0898	1.04E-01	-0.0017	9.76E-01	0.0152	7.84E-01	NO
PDXK	ILMN_1672504	PDXK	8566	0.7146	5.64E-09	0.2029	2.11E-04	0.0796	1.50E-01	-0.0180	7.46E-01	0.0361	5.14E-01	0.0927	9.31E-02	YES
SBF1	ILMN_1703246	SBF1	6305	0.7138	7.17E-01	0.1638	2.88E-03	0.1052	5.65E-02	-0.1070	5.26E-02	-0.0302	5.86E-01	-0.0079	8.87E-01	YES
IDH3G	ILMN_1802706	IDH3G	3421	0.7136	3.36E-04	0.1510	6.06E-03	0.1304	1.79E-02	-0.1223	2.66E-02	-0.0277	6.16E-01	-0.0162	7.70E-01	NO
ZNF213	ILMN_1758337	ZNF213	7760	0.7131	1.24E-01	0.2045	1.88E-04	0.0892	1.06E-01	-0.0132	8.11E-01	0.0470	3.96E-01	0.1038	6.00E-02	YES
GTF3C2	ILMN_1746457	GTF3C2	2976	0.7129	8.13E-01	0.1670	2.37E-03	0.0967	8.00E-02	-0.0939	8.91E-02	-0.0236	6.70E-01	0.0035	9.50E-01	YES
NSUN5C	ILMN_1688070	NSUN5C	260294	0.7127	2.17E-04	0.1681	2.21E-03	0.0941	8.85E-02	0.0869	1.16E-01	0.1439	8.93E-03	0.2072	1.54E-04	YES
C16ORF58	ILMN_1685289	C16orf58	64755	0.7122	7.53E-22	0.1962	3.44E-04	0.0970	7.90E-02	-0.1026	6.29E-02	-0.0316	5.68E-01	0.0038	9.45E-01	YES
AKAP13	ILMN_2396956	AKAP13	11214	0.7112	1.66E-06	0.2001	2.60E-04	0.0681	2.18E-01	0.0112	8.40E-01	0.0558	3.13E-01	0.1186	3.15E-02	YES
GEMIN4	ILMN_1770206	GEMIN4	50628	0.7110	1.99E-03	0.1617	3.27E-03	0.1368	1.30E-02	-0.0416	4.52E-01	0.0521	3.47E-01	0.0824	1.36E-01	YES
WBSCR22	ILMN_1697348	WBSCR22	114049	0.7108	3.89E-05	0.1438	9.02E-03	0.1332	1.56E-02	0.1040	5.94E-02	0.1861	6.94E-04	0.2392	1.16E-05	NO
COPG	ILMN_1708204	COPG	22820	0.7102	1.56E-02	0.1878	6.15E-04	0.0604	2.75E-01	-0.0687	2.14E-01	-0.0241	6.63E-01	0.0197	7.21E-01	YES
PFKL	ILMN_1713037	PFKL	5211	0.7100	6.82E-01	0.2111	1.14E-04	0.1327	1.61E-02	-0.0344	5.34E-01	0.0560	3.11E-01	0.1054	5.62E-02	YES
LAT	ILMN_1691539	LAT	27040	0.7100	5.05E-07	0.0923	9.47E-02	0.1390	1.16E-02	0.0355	5.21E-01	0.1257	2.26E-02	0.1467	7.68E-03	NO
ARHGEF2	ILMN_1703477	ARHGEF2	9181	0.7097	4.06E-03	0.1904	5.15E-04	0.0683	2.17E-01	-0.0548	3.22E-01	-0.0059	9.15E-01	0.0406	4.63E-01	YES
NUP210	ILMN_1784467	NUP210	23225	0.7095	3.38E-02	0.2005	2.52E-04	0.1703	1.94E-03	-0.0173	7.55E-01	0.0971	7.87E-02	0.1413	1.03E-02	YES
LTBP4	ILMN_1665219	LTBP4	8425	0.7092	8.46E-32	0.1822	9.01E-04	0.1159	3.57E-02	-0.0734	1.84E-01	0.0084	8.80E-01	0.0422	4.45E-01	YES
TMEM115	ILMN_1712035	TMEM115	11070	0.7092	2.56E-01	0.2343	1.76E-05	0.0411	4.58E-01	-0.0124	8.23E-01	0.0158	7.76E-01	0.0893	1.06E-01	YES
ATXN2	ILMN_1743829	ATXN2	6311	0.7088	8.33E-07	0.1536	5.23E-03	0.2086	1.38E-04	-0.0469	3.96E-01	0.0948	8.59E-02	0.1120	4.23E-02	NO
OSBPL7	ILMN_1720865	OSBPL7	114881	0.7084	3.96E-01	0.1653	2.63E-03	0.0728	1.88E-01	0.0042	9.40E-01	0.0523	3.44E-01	0.1011	6.71E-02	YES
ATP2A2	ILMN_1815666	ATP2A2	488	0.7084	6.83E-01	0.1877	6.23E-04	0.1731	1.62E-03	-0.0519	3.48E-01	0.0666	2.28E-01	0.0992	7.23E-02	YES
TBRG4	ILMN_1783728	TBRG4	9238	0.7080	4.20E-11	0.1511	6.05E-03	0.1045	5.82E-02	-0.0055	9.20E-01	0.0644	2.44E-01	0.1022	6.41E-02	NO
STK36	ILMN_1693538	STK36	27148	0.7079	2.52E-20	0.1332	1.56E-02	0.1408	1.06E-02	-0.0408	4.60E-01	0.0554	3.16E-01	0.0755	1.72E-01	NO
MAP4K1	ILMN_1665943	MAP4K1	11184	0.7078	1.92E-14	0.1246	2.38E-02	0.1394	1.14E-02	-0.1390	1.16E-02	-0.0375	4.98E-01	-0.0395	4.75E-01	NO
TRAPPC9	ILMN_1711368	TRAPPC9	83696	0.7077	8.40E-07	0.1677	2.27E-03	0.1142	3.84E-02	0.0974	7.76E-02	0.1672	2.34E-03	0.2298	2.57E-05	YES
CTSA	ILMN_1719286	CTSA	5476	0.7071	2.92E-01	0.2112	1.13E-04	0.0756	1.71E-01	-0.0055	9.20E-01	0.0451	4.15E-01	0.1076	5.13E-02	YES
BAT2	ILMN_2408179	BAT2	7916	0.7071	1.69E-32	0.2150	8.45E-05	0.1304	1.79E-02	-0.0293	5.96E-01	0.0593	2.83E-01	0.1113	4.36E-02	YES
AES	ILMN_2333107	AES	166	0.7068	1.28E-02	0.1792	1.09E-03	0.0427	4.41E-01	-0.0505	3.61E-01	-0.0189	7.33E-01	0.0279	6.14E-01	YES
INTS1	ILMN_2317463	INTS1	26173	0.7067	4.45E-01	0.1739	1.54E-03	0.1314	1.71E-02	-0.1476	7.31E-03	-0.0509	3.58E-01	-0.0364	5.10E-01	YES
MADD	ILMN_2328224	MADD	8567	0.7065	4.14E-03	0.2004	2.54E-04	0.0167	7.62E-01	0.0120	8.29E-01	0.0224	6.86E-01	0.0921	9.55E-02	YES
SMARCAL1	ILMN_1752111	SMARCAL1	50485	0.7061	1.61E-22	0.1846	7.67E-04	0.0838	1.29E-01	-0.0743	1.79E-01	-0.0138	8.02E-01	0.0248	6.54E-01	YES

DCAKD	ILMN_1811648	DCAKD	79877	0.7060	2.10E-04	0.1536	5.25E-03	0.0421	4.46E-01	-0.0381	4.91E-01	-0.0077	8.90E-01	0.0327	5.55E-01	NO
DHPS	ILMN_1687279	DHPS	1725	0.7059	2.12E-08	0.1817	9.29E-04	0.1098	4.66E-02	0.1485	6.99E-03	0.2121	1.06E-04	0.2901	8.45E-08	YES
ZNF689	ILMN_1759008	ZNF689	115509	0.7059	7.64E-02	0.2354	1.60E-05	0.0575	2.99E-01	-0.0574	2.99E-01	-0.0155	7.79E-01	0.0475	3.91E-01	YES
RASSF1	ILMN_1734205	RASSF1	11186	0.7058	8.42E-04	0.2356	1.57E-05	0.0633	2.52E-01	-0.0744	1.78E-01	-0.0276	6.18E-01	0.0314	5.70E-01	YES
MZF1	ILMN_1749838	MZF1	7593	0.7058	8.85E-03	0.1266	2.17E-02	0.1400	1.10E-02	0.0170	7.59E-01	0.1091	4.80E-02	0.1383	1.21E-02	NO
RAPGEF1	ILMN_1769412	RAPGEF1	2889	0.7057	6.25E-02	0.1796	1.07E-03	0.1280	2.02E-02	0.0035	9.50E-01	0.0884	1.09E-01	0.1349	1.43E-02	YES
LRSAM1	ILMN_1811102	LRSAM1	90678	0.7053	2.27E-18	0.1578	4.10E-03	0.1558	4.62E-03	-0.0632	2.53E-01	0.0444	4.22E-01	0.0667	2.28E-01	YES
TERF2	ILMN_1768488	TERF2	7014	0.7053	3.02E-11	0.1605	3.50E-03	0.1478	7.23E-03	0.0429	4.39E-01	0.1385	1.19E-02	0.1835	8.24E-04	YES
VPS72	ILMN_1722774	VPS72	6944	0.7053	1.81E-02	0.1652	2.64E-03	0.1369	1.29E-02	-0.0015	9.78E-01	0.0897	1.05E-01	0.1290	1.92E-02	YES
WDR46	ILMN_2212354	WDR46	9277	0.7052	1.15E-21	0.1276	2.06E-02	0.1259	2.23E-02	0.0105	8.50E-01	0.0936	9.00E-02	0.1237	2.48E-02	NO
TCF3	ILMN_1664434	TCF3	6929	0.7049	5.70E-29	0.2238	4.22E-05	0.0913	9.84E-02	-0.1038	5.99E-02	-0.0365	5.09E-01	0.0090	8.71E-01	YES
SLC39A3	ILMN_2234970	SLC39A3	29985	0.7049	5.92E-15	0.2150	8.48E-05	0.0452	4.14E-01	-0.1265	2.18E-02	-0.0884	1.10E-01	-0.0445	4.22E-01	YES
PEX16	ILMN_1745655	PEX16	9409	0.7046	1.61E-14	0.1988	2.85E-04	0.1070	5.26E-02	-0.0923	9.48E-02	-0.0153	7.83E-01	0.0218	6.93E-01	YES
TRIM44	ILMN_1796063	TRIM44	54765	0.7043	6.78E-04	0.1988	2.86E-04	0.1048	5.75E-02	-0.0148	7.89E-01	0.0559	3.12E-01	0.1084	4.95E-02	YES
FAM38A	ILMN_1752249	FAM38A	9780	0.7042	7.36E-01	0.1594	3.75E-03	0.0780	1.58E-01	0.0937	8.96E-02	0.1397	1.12E-02	0.2033	2.06E-04	YES
MAP1S	ILMN_1796336	MAP1S	55201	0.7040	6.78E-01	0.1105	4.52E-02	0.1088	4.86E-02	-0.0474	3.91E-01	0.0280	6.13E-01	0.0430	4.37E-01	NO
ZBTB40	ILMN_1784037	ZBTB40	9923	0.7039	4.15E-09	0.1245	2.39E-02	0.0997	7.08E-02	0.0426	4.41E-01	0.1063	5.41E-02	0.1450	8.45E-03	NO
TAF1C	ILMN_1671839	TAF1C	9013	0.7033	2.03E-01	0.1435	9.13E-03	0.0876	1.13E-01	-0.0317	5.66E-01	0.0286	6.06E-01	0.0608	2.71E-01	NO
ZNF672	ILMN_1669094	ZNF672	79894	0.7030	3.18E-14	0.1963	3.40E-04	0.0803	1.46E-01	-0.0596	2.81E-01	-0.0024	9.65E-01	0.0437	4.30E-01	YES
BCAP31	ILMN_1812403	BCAP31	10134	0.7029	1.61E-20	0.1418	1.00E-02	0.1050	5.70E-02	-0.0528	3.39E-01	0.0204	7.12E-01	0.0457	4.09E-01	NO
TAF6L	ILMN_1727281	TAF6L	10629	0.7029	7.80E-34	0.1862	6.87E-04	0.1334	1.54E-02	-0.0526	3.42E-01	0.0395	4.75E-01	0.0766	1.66E-01	YES
CD74	ILMN_1736567	CD74	972	0.7025	7.57E-02	0.1559	4.58E-03	0.1728	1.65E-03	-0.0845	1.26E-01	0.0358	5.18E-01	0.0510	3.56E-01	NO
PITRM1	ILMN_1698072	PITRM1	10531	0.7025	1.02E-24	0.2241	4.12E-05	0.1046	5.80E-02	-0.0713	1.97E-01	0.0028	9.59E-01	0.0531	3.37E-01	YES
PEPD	ILMN_1717674	PEPD	5184	0.7022	4.18E-01	0.0751	1.74E-01	0.1053	5.63E-02	-0.0153	7.83E-01	0.0558	3.13E-01	0.0652	2.38E-01	NO
PTPLAD1	ILMN_1743065	PTPLAD1	51495	0.7021	2.04E-03	0.2062	1.66E-04	0.0632	2.53E-01	-0.0348	5.29E-01	0.0094	8.65E-01	0.0659	2.33E-01	YES
CPSF1	ILMN_1654545	CPSF1	29894	0.7018	2.91E-11	0.1322	1.65E-02	0.1486	6.95E-03	0.0256	6.44E-01	0.1228	2.60E-02	0.1545	4.98E-03	NO
RARA	ILMN_1659206	RARA	5914	0.7015	1.16E-02	0.1040	5.94E-02	0.1657	2.57E-03	-0.0464	4.02E-01	0.0668	2.27E-01	0.0724	1.90E-01	NO
LOC196752	ILMN_1803743	LOC196752	196752	0.7012	1.67E-02	0.1808	9.87E-04	0.1303	1.80E-02	0.0485	3.81E-01	0.1321	1.65E-02	0.1875	6.29E-04	YES
NUDT16L1	ILMN_1735415	NUDT16L1	84309	0.7008	5.51E-03	0.2092	1.32E-04	0.0738	1.81E-01	-0.1544	4.99E-03	-0.0955	8.37E-02	-0.0628	2.56E-01	YES
ESYT1	ILMN_1761159	ESYT1	23344	0.7004	3.17E-05	0.1854	7.25E-04	0.0718	1.94E-01	0.1775	1.23E-03	0.2139	9.19E-05	0.3038	1.87E-08	YES
CDK10	ILMN_1741459	CDK10	8558	0.7003	3.53E-02	0.1347	1.45E-02	0.0822	1.37E-01	-0.0866	1.17E-01	-0.0264	6.33E-01	-0.0073	8.95E-01	NO
NOMO2	ILMN_1799856	NOMO2	283820	0.7003	7.74E-05	0.1361	1.35E-02	0.1210	2.82E-02	0.0244	6.59E-01	0.1034	6.11E-02	0.1398	1.11E-02	NO
LOC644590	ILMN_1664233	LOC644590	644590	0.7000	4.60E-29	0.1846	7.68E-04	0.1283	1.99E-02	-0.0757	1.71E-01	0.0145	7.93E-01	0.0471	3.94E-01	YES
BIN1	ILMN_2309245	BIN1	274	0.6998	1.03E-15	0.1712	1.83E-03	0.1612	3.37E-03	-0.2348	1.68E-05	-0.1127	4.11E-02	-0.1201	2.94E-02	YES
RNH1	ILMN_2375599	RNH1	6050	0.6991	3.20E-02	0.1325	1.62E-02	0.0456	4.10E-01	0.0060	9.13E-01	0.0360	5.15E-01	0.0772	1.62E-01	NO
FLJ12949	ILMN_2347748	FLJ12949	65095	0.6990	3.91E-08	0.1191	3.08E-02	0.0451	4.14E-01	0.0875	1.13E-01	0.1120	4.23E-02	0.1646	2.74E-03	NO
PTPRCAP	ILMN_1672417	PTPRCAP	5790	0.6986	2.58E-04	0.1291	1.92E-02	0.2185	6.40E-05	0.0179	7.47E-01	0.1621	3.19E-03	0.1822	8.98E-04	NO
LUC7L	ILMN_1765371	LUC7L	55692	0.6976	2.46E-07	0.1262	2.20E-02	0.1121	4.22E-02	0.0885	1.09E-01	0.1574	4.21E-03	0.2041	1.94E-04	NO
FBXO46	ILMN_1747119	FBXO46	23403	0.6975	6.32E-06	0.1864	6.77E-04	0.0167	7.62E-01	-0.1513	5.97E-03	-0.1306	1.78E-02	-0.0977	7.67E-02	YES
INTS5	ILMN_1796968	INTS5	80789	0.6972	3.94E-14	0.1648	2.71E-03	0.0591	2.85E-01	-0.0274	6.20E-01	0.0136	8.05E-01	0.0578	2.96E-01	YES
C8ORF55	ILMN_1777740	C8orf55	51337	0.6965	5.78E-03	0.1882	6.01E-04	0.0834	1.31E-01	0.0795	1.50E-01	0.1299	1.84E-02	0.2000	2.62E-04	YES
LOC645899	ILMN_1746485	LOC645899	645899	0.6963	1.14E-04	0.1847	7.63E-04	0.1370	1.29E-02	-0.0042	9.39E-01	0.0872	1.14E-01	0.1328	1.60E-02	YES
WBP11	ILMN_1766435	WBP11	51729	0.6949	3.33E-01	0.2103	1.22E-04	0.0429	4.38E-01	-0.1993	2.76E-04	-0.1581	4.05E-03	-0.1297	1.86E-02	YES
FAM113B	ILMN_1712431	FAM113B	91523	0.6944	2.04E-44	0.1576	4.15E-03	0.1101	4.59E-02	-0.0859	1.20E-01	-0.0072	8.97E-01	0.0165	7.66E-01	NO
FBXO46	ILMN_2350266	FBXO46	23403	0.6941	3.73E-02	0.1438	8.99E-03	0.1497	6.51E-03	-0.1057	5.55E-02	0.0006	9.91E-01	0.0105	8.50E-01	NO
PSME3	ILMN_2346573	PSME3	10197	0.6940	4.01E-01	0.1914	4.83E-04	0.1143	3.83E-02	-0.1048	5.76E-02	-0.0221	6.90E-01	0.0090	8.71E-01	YES

ALKBH5	ILMN_1657283	ALKBH5	54890	0.6935	7.74E-01	0.1735	1.59E-03	0.0842	1.28E-01	-0.0720	1.93E-01	-0.0114	8.36E-01	0.0238	6.67E-01	YES
ARHGEF18	ILMN_1664016	ARHGEF18	23370	0.6928	1.49E-24	0.1669	2.40E-03	0.0713	1.97E-01	0.0321	5.62E-01	0.0775	1.61E-01	0.1325	1.62E-02	YES
WDR54	ILMN_1658289	WDR54	84058	0.6928	3.73E-14	0.1592	3.79E-03	0.0680	2.18E-01	0.0509	3.58E-01	0.0929	9.25E-02	0.1493	6.66E-03	YES
SPTBN1	ILMN_1661335	SPTBN1	6711	0.6928	5.12E-11	0.1212	2.79E-02	0.0991	7.28E-02	0.1090	4.82E-02	0.1680	2.23E-03	0.2187	6.35E-05	NO
RING1	ILMN_1666399	RING1	6015	0.6923	6.83E-14	0.1184	3.18E-02	0.1475	7.35E-03	-0.0118	8.31E-01	0.0871	1.15E-01	0.1068	5.30E-02	NO
TBC1D17	ILMN_1756542	TBC1D17	79735	0.6921	7.89E-12	0.1644	2.77E-03	0.1309	1.75E-02	-0.1421	9.85E-03	-0.0460	4.06E-01	-0.0337	5.42E-01	YES
DYRK1B	ILMN_1696991	DYRK1B	9149	0.6919	3.13E-06	0.1306	1.78E-02	0.0116	8.34E-01	0.0324	5.58E-01	0.0381	4.91E-01	0.0883	1.10E-01	NO
RCE1	ILMN_1685002	RCE1	9986	0.6915	2.46E-01	0.1724	1.70E-03	0.0910	9.95E-02	-0.0422	4.46E-01	0.0210	7.04E-01	0.0608	2.71E-01	YES
IDUA	ILMN_1703041	IDUA	3425	0.6913	7.90E-10	0.1562	4.51E-03	0.1493	6.68E-03	-0.1338	1.51E-02	-0.0260	6.38E-01	-0.0173	7.54E-01	NO
KIAA0922	ILMN_1668469	KIAA0922	23240	0.6910	5.84E-01	0.2010	2.44E-04	0.0970	7.91E-02	-0.0547	3.23E-01	0.0133	8.10E-01	0.0598	2.80E-01	YES
DHRS1	ILMN_1807206	DHRS1	115817	0.6905	3.51E-01	0.1657	2.57E-03	0.0234	6.72E-01	-0.1137	3.93E-02	-0.0909	9.98E-02	-0.0587	2.88E-01	YES
NXF1	ILMN_2358652	NXF1	10482	0.6905	3.81E-20	0.2004	2.53E-04	0.1262	2.21E-02	-0.0949	8.57E-02	-0.0049	9.29E-01	0.0297	5.91E-01	YES
NCOR2	ILMN_1698419	NCOR2	9612	0.6905	8.63E-01	0.2330	1.97E-05	0.1162	3.52E-02	-0.1245	2.39E-02	-0.0393	4.77E-01	0.0021	9.70E-01	YES
SEC61A1	ILMN_1659564	SEC61A1	29927	0.6901	2.27E-06	0.1614	3.32E-03	0.1157	3.59E-02	0.0128	8.18E-01	0.0889	1.07E-01	0.1325	1.62E-02	YES
RAB37	ILMN_2243912	RAB37	326624	0.6900	1.02E-49	0.1464	7.82E-03	0.0756	1.71E-01	-0.1418	1.00E-02	-0.0825	1.36E-01	-0.0692	2.10E-01	NO
INADL	ILMN_1724666	INADL	10207	0.6900	4.99E-03	0.1471	7.53E-03	0.1204	2.89E-02	0.0080	8.84E-01	0.0877	1.13E-01	0.1247	2.37E-02	NO
MPV17	ILMN_1691090	MPV17	4358	0.6899	2.33E-05	0.2221	4.83E-05	0.0640	2.47E-01	-0.0229	6.80E-01	0.0212	7.02E-01	0.0855	1.22E-01	YES
CLPTM1L	ILMN_1752802	CLPTM1L	81037	0.6899	7.42E-02	0.1267	2.15E-02	0.1170	3.39E-02	-0.0055	9.21E-01	0.0727	1.88E-01	0.1005	6.87E-02	NO
SAFB2	ILMN_1705679	SAFB2	9667	0.6897	1.13E-07	0.1665	2.45E-03	0.1442	8.82E-03	-0.1052	5.66E-02	-0.0026	9.62E-01	0.0159	7.74E-01	NO
C21ORF2	ILMN_1758806	C21orf2	755	0.6896	2.52E-33	0.1807	9.92E-04	0.1136	3.95E-02	-0.0642	2.46E-01	0.0154	7.80E-01	0.0509	3.57E-01	YES
QRICH1	ILMN_1676002	QRICH1	54870	0.6895	3.88E-01	0.2153	8.30E-05	0.0278	6.15E-01	-0.0138	8.03E-01	0.0056	9.20E-01	0.0740	1.81E-01	YES
HYOU1	ILMN_2141790	HYOU1	10525	0.6894	8.51E-09	0.1436	9.10E-03	0.1494	6.62E-03	-0.0546	3.23E-01	0.0483	3.83E-01	0.0681	2.18E-01	NO
RAB11FIP3	ILMN_1708328	RAB11FIP3	9727	0.6893	1.70E-03	0.2146	8.73E-05	0.0145	7.93E-01	0.1366	1.32E-02	0.1376	1.25E-02	0.2369	1.40E-05	YES
EPN1	ILMN_1772981	EPN1	29924	0.6892	1.98E-10	0.0913	9.81E-02	0.0139	8.02E-01	0.1171	3.38E-02	0.1189	3.11E-02	0.1717	1.77E-03	NO
SETD1A	ILMN_1714327	SETD1A	9739	0.6886	1.84E-07	0.2179	6.75E-05	0.0596	2.81E-01	-0.0711	1.98E-01	-0.0269	6.26E-01	0.0270	6.25E-01	YES
CFL1	ILMN_1705617	CFL1	1072	0.6874	8.68E-02	0.2384	1.24E-05	0.0080	8.86E-01	-0.0271	6.24E-01	-0.0201	7.16E-01	0.0562	3.09E-01	YES
TMEM147	ILMN_1803624	TMEM147	10430	0.6873	2.79E-14	0.1566	4.42E-03	0.0616	2.65E-01	0.0146	7.92E-01	0.0546	3.23E-01	0.1039	5.98E-02	NO
TECR	ILMN_1720799	TECR	9524	0.6867	3.47E-01	0.2273	3.15E-05	0.0956	8.34E-02	-0.0618	2.64E-01	0.0058	9.17E-01	0.0602	2.76E-01	YES
ZBTB4	ILMN_2097793	ZBTB4	57659	0.6866	1.24E-02	0.1895	5.48E-04	0.0677	2.21E-01	0.0659	2.33E-01	0.1068	5.30E-02	0.1767	1.29E-03	YES
TDRD7	ILMN_1705241	TDRD7	23424	0.6865	1.03E-11	0.1214	2.77E-02	0.1932	4.26E-04	-0.0012	9.82E-01	0.1273	2.09E-02	0.1443	8.76E-03	NO
MSN	ILMN_1659895	MSN	4478	0.6864	1.25E-02	0.2496	4.58E-06	0.1390	1.16E-02	-0.1046	5.80E-02	-0.0055	9.21E-01	0.0426	4.41E-01	YES
GPBAR1	ILMN_2316386	GPBAR1	151306	0.6862	5.96E-11	0.1135	3.97E-02	0.1091	4.80E-02	-0.0570	3.03E-01	0.0192	7.29E-01	0.0333	5.47E-01	NO
PYGB	ILMN_1778360	PYGB	5834	0.6858	9.57E-03	0.1321	1.65E-02	0.0404	4.65E-01	-0.1016	6.58E-02	-0.0682	2.17E-01	-0.0475	3.90E-01	NO
SMG5	ILMN_2126239	SMG5	23381	0.6858	2.86E-08	0.1762	1.33E-03	0.1351	1.42E-02	-0.0097	8.60E-01	0.0807	1.44E-01	0.1225	2.62E-02	YES
DPP9	ILMN_1673069	DPP9	91039	0.6857	2.59E-01	0.2251	3.79E-05	0.1005	6.86E-02	0.0055	9.20E-01	0.0721	1.92E-01	0.1383	1.21E-02	YES
ANO9	ILMN_1769259	ANO9	338440	0.6856	1.48E-16	0.1542	5.05E-03	0.0795	1.50E-01	-0.0771	1.63E-01	-0.0193	7.27E-01	0.0088	8.73E-01	NO
TMEM173	ILMN_2145116	TMEM173	340061	0.6856	5.07E-01	0.1970	3.24E-04	0.0327	5.55E-01	0.0186	7.36E-01	0.0392	4.79E-01	0.1070	5.26E-02	YES
POLR2A	ILMN_1782385	POLR2A	5430	0.6852	4.84E-01	0.1492	6.70E-03	0.0504	3.62E-01	0.1522	5.67E-03	0.1761	1.34E-03	0.2512	3.98E-06	NO
MLL5	ILMN_2259633	MLL5	55904	0.6851	1.59E-03	0.2408	1.00E-05	0.0524	3.43E-01	-0.0320	5.63E-01	0.0049	9.30E-01	0.0753	1.73E-01	YES
CDC25B	ILMN_2338323	CDC25B	994	0.6848	3.89E-01	0.1781	1.18E-03	0.0861	1.19E-01	-0.0660	2.33E-01	-0.0045	9.35E-01	0.0332	5.48E-01	YES
NME3	ILMN_1669456	NME3	4832	0.6848	7.25E-08	0.1549	4.88E-03	0.1840	7.97E-04	-0.0244	6.59E-01	0.0996	7.13E-02	0.1248	2.36E-02	NO
TRIM41	ILMN_1729495	TRIM41	90933	0.6843	1.88E-02	0.1724	1.69E-03	0.0989	7.33E-02	0.0730	1.86E-01	0.1342	1.49E-02	0.1956	3.60E-04	YES
ATP6AP1	ILMN_1697694	ATP6AP1	537	0.6840	6.91E-10	0.1015	6.59E-02	0.0882	1.10E-01	-0.1423	9.75E-03	-0.0746	1.77E-01	-0.0786	1.55E-01	NO
RASSF1	ILMN_2393573	RASSF1	11186	0.6836	6.58E-06	0.1673	2.33E-03	0.1469	7.62E-03	-0.1185	3.17E-02	-0.0132	8.11E-01	0.0026	9.62E-01	YES
FERMT3	ILMN_2366334	FERMT3	83706	0.6831	4.25E-16	0.1435	9.14E-03	0.1715	1.80E-03	-0.1470	7.57E-03	-0.0236	6.70E-01	-0.0247	6.55E-01	NO
BRE	ILMN_1778684	BRE	9577	0.6829	3.21E-02	0.1949	3.77E-04	0.0498	3.68E-01	0.1489	6.82E-03	0.1726	1.68E-03	0.2630	1.32E-06	YES

RRBP1	ILMN_2360784	RRBP1	6238	0.6827	1.21E-01	0.1833	8.36E-04	0.0208	7.08E-01	0.0064	9.08E-01	0.0198	7.21E-01	0.0819	1.38E-01	YES
N-PAC	ILMN_1703153	N-PAC	84656	0.6826	1.48E-01	0.2135	9.50E-05	0.0041	9.41E-01	-0.0198	7.21E-01	-0.0158	7.76E-01	0.0539	3.30E-01	YES
CNDP2	ILMN_1726769	CNDP2	55748	0.6825	4.47E-04	0.1304	1.80E-02	0.0950	8.52E-02	-0.0976	7.71E-02	-0.0282	6.11E-01	-0.0143	7.96E-01	NO
RUNDC2C	ILMN_1709164	RUNDC2C	440352	0.6824	2.13E-02	0.1722	1.72E-03	0.1043	5.87E-02	-0.0942	8.82E-02	-0.0188	7.35E-01	0.0091	8.70E-01	YES
RUVBL2	ILMN_2120340	RUVBL2	10856	0.6823	3.50E-04	0.1512	5.99E-03	0.1787	1.13E-03	-0.0179	7.46E-01	0.1021	6.44E-02	0.1280	2.02E-02	NO
DHX37	ILMN_2192683	DHX37	57647	0.6821	1.30E-01	0.1456	8.18E-03	0.0876	1.13E-01	-0.0145	7.93E-01	0.0447	4.19E-01	0.0811	1.42E-01	NO
LRRC33	ILMN_1746148	LRRC33	375387	0.6821	9.19E-01	0.1826	8.77E-04	0.0797	1.49E-01	-0.1541	5.08E-03	-0.0914	9.81E-02	-0.0685	2.15E-01	YES
CNOT2	ILMN_1772651	CNOT2	4848	0.6821	1.42E-05	0.1946	3.86E-04	0.1245	2.39E-02	0.0105	8.50E-01	0.0927	9.33E-02	0.1462	7.92E-03	YES
ST6GAL1	ILMN_1756501	ST6GAL1	6480	0.6818	5.81E-08	0.1421	9.88E-03	0.1547	4.93E-03	0.0465	4.00E-01	0.1465	7.79E-03	0.1849	7.50E-04	NO
FERMT3	ILMN_2366330	FERMT3	83706	0.6812	8.31E-06	0.1114	4.34E-02	0.1289	1.93E-02	-0.0284	6.08E-01	0.0592	2.85E-01	0.0756	1.71E-01	NO
LCK	ILMN_1699991	LCK	3932	0.6808	4.27E-15	0.1683	2.19E-03	0.0619	2.63E-01	-0.0936	9.00E-02	-0.0465	4.01E-01	-0.0145	7.94E-01	YES
C20ORF55	ILMN_1782095	C20orf55	83541	0.6807	1.86E-04	0.1866	6.68E-04	0.1224	2.64E-02	-0.1512	6.01E-03	-0.0601	2.77E-01	-0.0408	4.61E-01	YES
POLR3A	ILMN_1681837	POLR3A	11128	0.6807	1.19E-07	0.1410	1.05E-02	0.0954	8.39E-02	-0.0372	5.02E-01	0.0287	6.04E-01	0.0580	2.94E-01	NO
EDF1	ILMN_1726169	EDF1	8721	0.6801	9.78E-02	0.1232	2.54E-02	0.0937	8.98E-02	0.0007	9.89E-01	0.0630	2.54E-01	0.0938	8.94E-02	NO
CENTA1	ILMN_2047511	CENTA1	11033	0.6794	1.10E-01	0.1719	1.76E-03	0.0509	3.57E-01	-0.1039	5.97E-02	-0.0634	2.51E-01	-0.0308	5.78E-01	YES
SUMF2	ILMN_2345872	SUMF2	25870	0.6792	2.10E-02	0.1812	9.64E-04	0.1256	2.26E-02	-0.0264	6.34E-01	0.0589	2.87E-01	0.1004	6.91E-02	YES
SPG7	ILMN_1754529	SPG7	6687	0.6790	1.33E-04	0.2098	1.27E-04	0.0975	7.73E-02	0.0242	6.61E-01	0.0876	1.13E-01	0.1525	5.56E-03	YES
ITGB2	ILMN_2175912	ITGB2	3689	0.6783	4.74E-02	0.2368	1.42E-05	0.0623	2.60E-01	-0.0088	8.73E-01	0.0332	5.49E-01	0.1055	5.58E-02	YES
INTS4	ILMN_1660844	INTS4	92105	0.6780	7.35E-02	0.1808	9.85E-04	0.0239	6.65E-01	-0.0477	3.88E-01	-0.0288	6.03E-01	0.0215	6.98E-01	YES
MCM5	ILMN_1815169	MCM5	4174	0.6779	3.72E-07	0.2506	4.18E-06	0.0529	3.39E-01	-0.0511	3.55E-01	-0.0127	8.18E-01	0.0574	3.00E-01	YES
SF3B4	ILMN_1722648	SF3B4	10262	0.6778	3.85E-11	0.2572	2.27E-06	0.1017	6.54E-02	0.0037	9.46E-01	0.0712	1.98E-01	0.1480	7.16E-03	YES
GATAD2B	ILMN_1766359	GATAD2B	57459	0.6777	3.31E-01	0.1978	3.06E-04	0.0969	7.92E-02	-0.1172	3.36E-02	-0.0453	4.13E-01	-0.0122	8.26E-01	YES
ABCD1	ILMN_1772189	ABCD1	215	0.6765	2.49E-11	0.2086	1.38E-04	0.1087	4.89E-02	0.0203	7.14E-01	0.0913	9.83E-02	0.1536	5.23E-03	YES
RINL	ILMN_1790962	RINL	126432	0.6762	6.81E-09	0.1251	2.33E-02	0.2039	1.96E-04	-0.0725	1.90E-01	0.0678	2.20E-01	0.0707	2.01E-01	NO
STIP1	ILMN_1789510	STIP1	10963	0.6762	2.24E-07	0.2130	9.87E-05	0.0873	1.14E-01	-0.0513	3.54E-01	0.0100	8.56E-01	0.0626	2.57E-01	YES
SHMT2	ILMN_1661264	SHMT2	6472	0.6755	2.68E-13	0.1608	3.46E-03	0.1042	5.91E-02	-0.1396	1.12E-02	-0.0614	2.66E-01	-0.0465	4.01E-01	YES
GGA3	ILMN_1675982	GGA3	23163	0.6750	2.97E-04	0.1265	2.17E-02	0.0687	2.14E-01	-0.0673	2.24E-01	-0.0173	7.54E-01	0.0045	9.35E-01	NO
TRIM26	ILMN_1738704	TRIM26	7726	0.6747	4.65E-02	0.1639	2.86E-03	0.0680	2.19E-01	0.0977	7.69E-02	0.1367	1.31E-02	0.2040	1.96E-04	YES
KIAA1545	ILMN_1760305	KIAA1545	57666	0.6743	1.51E-14	0.1423	9.77E-03	0.1053	5.63E-02	0.1758	1.37E-03	0.2347	1.70E-05	0.3050	1.64E-08	NO
TRIM22	ILMN_1779252	TRIM22	10346	0.6743	2.68E-26	0.1355	1.39E-02	0.1376	1.25E-02	-0.0110	8.42E-01	0.0812	1.42E-01	0.1083	4.97E-02	NO
EXOC7	ILMN_1815012	EXOC7	23265	0.6742	1.81E-01	0.1502	6.34E-03	0.1967	3.32E-04	-0.0503	3.63E-01	0.0837	1.30E-01	0.1006	6.84E-02	NO
PRPF19	ILMN_1769545	PRPF19	27339	0.6742	3.05E-02	0.1818	9.23E-04	0.1173	3.35E-02	-0.1380	1.22E-02	-0.0513	3.54E-01	-0.0304	5.83E-01	YES
VAT1	ILMN_1700690	VAT1	10493	0.6738	7.77E-03	0.1983	2.96E-04	0.0469	3.97E-01	-0.1142	3.84E-02	-0.0758	1.70E-01	-0.0355	5.21E-01	YES
RNPS1	ILMN_1691843	RNPS1	10921	0.6737	9.72E-06	0.1912	4.87E-04	0.0929	9.27E-02	-0.0159	7.74E-01	0.0469	3.96E-01	0.0982	7.54E-02	YES
GORASP1	ILMN_1716821	GORASP1	64689	0.6737	1.19E-20	0.1868	6.60E-04	0.1236	2.49E-02	-0.0036	9.48E-01	0.0788	1.54E-01	0.1270	2.12E-02	YES
FBXL6	ILMN_2352216	FBXL6	26233	0.6736	2.33E-07	0.1394	1.14E-02	0.1800	1.04E-03	-0.0222	6.89E-01	0.0990	7.30E-02	0.1198	2.98E-02	NO
PRKCSH	ILMN_1777794	PRKCSH	5589	0.6733	2.10E-01	0.1959	3.51E-04	0.0881	1.11E-01	-0.1466	7.75E-03	-0.0787	1.55E-01	-0.0508	3.58E-01	YES
ALDOA	ILMN_1741148	ALDOA	226	0.6728	3.79E-02	0.1562	4.51E-03	0.1064	5.38E-02	-0.0127	8.18E-01	0.0589	2.87E-01	0.0968	7.94E-02	NO
LDLRAP1	ILMN_1809040	LDLRAP1	26119	0.6726	7.35E-01	0.2237	4.22E-05	0.0568	3.04E-01	0.0407	4.62E-01	0.0759	1.69E-01	0.1542	5.06E-03	YES
C9ORF114	ILMN_1803317	C9orf114	51490	0.6723	7.11E-03	0.1941	3.98E-04	0.0144	7.94E-01	-0.0206	7.10E-01	-0.0097	8.61E-01	0.0518	3.49E-01	YES
LAT1-3TM	ILMN_1651328	LAT1-3TM	81893	0.6717	2.46E-13	0.1252	2.32E-02	0.1211	2.81E-02	-0.0752	1.74E-01	0.0101	8.55E-01	0.0232	6.75E-01	NO
INTS1	ILMN_1793854	INTS1	26173	0.6713	3.12E-02	0.2210	5.27E-05	0.0725	1.90E-01	0.0491	3.75E-01	0.0941	8.82E-02	0.1711	1.84E-03	YES
PNPLA6	ILMN_1799614	PNPLA6	10908	0.6709	1.21E-06	0.2678	8.26E-07	0.0333	5.48E-01	-0.0920	9.58E-02	-0.0640	2.47E-01	0.0065	9.06E-01	YES
PPP1CA	ILMN_1695827	PPP1CA	5499	0.6704	1.08E-02	0.2078	1.47E-04	0.1148	3.74E-02	-0.1222	2.67E-02	-0.0381	4.91E-01	-0.0048	9.31E-01	YES
BAP1	ILMN_1768363	BAP1	8314	0.6703	8.50E-03	0.1244	2.40E-02	0.0926	9.34E-02	0.0385	4.86E-01	0.0977	7.68E-02	0.1365	1.32E-02	NO
AP1B1	ILMN_1781983	AP1B1	162	0.6702	7.58E-20	0.1909	5.00E-04	0.0421	4.47E-01	-0.1157	3.59E-02	-0.0803	1.46E-01	-0.0423	4.45E-01	YES

ZNF296	ILMN_1693242	ZNF296	162979	0.6700	2.03E-03	0.2463	6.17E-06	0.0761	1.69E-01	-0.1352	1.41E-02	-0.0760	1.69E-01	-0.0269	6.26E-01	YES
DENND1C	ILMN_1767020	DENND1C	79958	0.6693	2.91E-03	0.0817	1.39E-01	0.1130	4.04E-02	-0.0133	8.10E-01	0.0627	2.57E-01	0.0739	1.81E-01	NO
ZC3H18	ILMN_1658834	ZC3H18	124245	0.6693	4.24E-04	0.1264	2.18E-02	0.1061	5.45E-02	-0.0551	3.19E-01	0.0190	7.32E-01	0.0383	4.88E-01	NO
BRE	ILMN_2363489	BRE	9577	0.6692	9.32E-08	0.1610	3.41E-03	0.0696	2.08E-01	-0.0466	4.00E-01	0.0027	9.61E-01	0.0404	4.65E-01	YES
CD37	ILMN_1786176	CD37	951	0.6690	4.28E-05	0.1619	3.23E-03	0.0798	1.48E-01	-0.0872	1.15E-01	-0.0285	6.06E-01	0.0002	9.97E-01	YES
MED16	ILMN_1730307	MED16	10025	0.6689	5.20E-10	0.1623	3.16E-03	0.0848	1.25E-01	-0.0082	8.83E-01	0.0488	3.78E-01	0.0926	9.37E-02	YES
TTYH3	ILMN_1692731	TTYH3	80727	0.6689	8.95E-07	0.1783	1.16E-03	0.0289	6.02E-01	-0.0448	4.18E-01	-0.0227	6.81E-01	0.0266	6.31E-01	YES
SPOCK2	ILMN_1656287	SPOCK2	9806	0.6688	2.77E-38	0.1728	1.65E-03	0.1132	4.01E-02	-0.1642	2.81E-03	-0.0785	1.56E-01	-0.0653	2.37E-01	YES
CIB1	ILMN_1684205	CIB1	10519	0.6688	5.18E-09	0.1749	1.45E-03	0.0913	9.82E-02	0.0391	4.80E-01	0.0974	7.78E-02	0.1540	5.13E-03	YES
PGLS	ILMN_1797005	PGLS	25796	0.6686	4.41E-20	0.1503	6.32E-03	0.1742	1.52E-03	0.0095	8.64E-01	0.1248	2.36E-02	0.1563	4.48E-03	NO
SEPT9	ILMN_1769118	SEPT9	10801	0.6685	3.89E-07	0.1277	2.05E-02	0.0903	1.02E-01	-0.0407	4.61E-01	0.0219	6.92E-01	0.0466	4.00E-01	NO
TMEM205	ILMN_1730734	TMEM205	374882	0.6681	1.15E-12	0.1549	4.85E-03	0.0958	8.29E-02	-0.0397	4.73E-01	0.0266	6.31E-01	0.0602	2.76E-01	NO
C16ORF56	ILMN_1777129	C16orf56	80152	0.6681	2.87E-05	0.1083	4.98E-02	0.1118	4.28E-02	0.0207	7.08E-01	0.0937	8.96E-02	0.1209	2.83E-02	NO
CD74	ILMN_2379644	CD74	972	0.6681	1.45E-53	0.1822	9.00E-04	0.1096	4.69E-02	-0.1612	3.37E-03	-0.0780	1.58E-01	-0.0606	2.73E-01	YES
MLL4	ILMN_1715968	MLL4	9757	0.6681	4.57E-18	0.1556	4.67E-03	0.1476	7.32E-03	-0.0244	6.59E-01	0.0753	1.73E-01	0.1055	5.59E-02	NO
BTBD12	ILMN_1732885	BTBD12	84464	0.6680	8.74E-01	0.1603	3.55E-03	0.1038	6.01E-02	0.0005	9.93E-01	0.0695	2.09E-01	0.1118	4.27E-02	YES
TRPV2	ILMN_2049536	TRPV2	51393	0.6679	1.27E-02	0.1096	4.69E-02	0.0790	1.53E-01	-0.0253	6.47E-01	0.0288	6.02E-01	0.0517	3.50E-01	NO
MYH9	ILMN_2087702	MYH9	4627	0.6674	4.69E-07	0.1653	2.64E-03	0.1113	4.36E-02	0.0566	3.06E-01	0.1270	2.12E-02	0.1811	9.68E-04	YES
PTBP1	ILMN_2333319	PTBP1	5725	0.6673	1.07E-09	0.1261	2.22E-02	0.1181	3.22E-02	0.0100	8.57E-01	0.0879	1.11E-01	0.1184	3.18E-02	NO
MGAT1	ILMN_1761912	MGAT1	4245	0.6669	4.13E-13	0.1966	3.34E-04	0.0825	1.35E-01	-0.2039	1.97E-04	-0.1361	1.35E-02	-0.1185	3.16E-02	YES
L3MBTL2	ILMN_2336109	L3MBTL2	83746	0.6669	7.91E-10	0.1535	5.27E-03	0.1071	5.23E-02	-0.0574	2.99E-01	0.0175	7.52E-01	0.0457	4.09E-01	NO
CDK2AP2	ILMN_1690653	CDK2AP2	10263	0.6665	6.75E-32	0.1644	2.79E-03	0.0526	3.41E-01	-0.0481	3.85E-01	-0.0100	8.56E-01	0.0308	5.78E-01	YES
DLGAP4	ILMN_1754842	DLGAP4	22839	0.6660	1.55E-12	0.0643	2.45E-01	0.1363	1.34E-02	0.0566	3.15E-01	0.1427	9.55E-03	0.1583	3.99E-03	NO
NUDC	ILMN_2097546	NUDC	10726	0.6659	2.44E-06	0.1937	4.11E-04	0.1645	2.76E-03	-0.0512	3.55E-01	0.0615	2.66E-01	0.0974	7.76E-02	YES
GNL3L	ILMN_1708414	GNL3L	54552	0.6657	1.56E-22	0.2218	4.93E-05	0.1266	2.16E-02	-0.0429	4.38E-01	0.0441	4.25E-01	0.0963	8.11E-02	YES
POLDIP3	ILMN_1688000	POLDIP3	84271	0.6656	7.55E-16	0.1639	2.87E-03	0.0671	2.25E-01	-0.0628	2.56E-01	-0.0142	7.98E-01	0.0217	6.94E-01	YES
CORO7	ILMN_1795949	CORO7	79585	0.6654	1.47E-11	0.2763	3.54E-07	0.0902	1.03E-01	-0.1101	4.61E-02	-0.0431	4.36E-01	0.0195	7.24E-01	YES
GRN	ILMN_1724250	GRN	2896	0.6653	1.64E-21	0.1433	9.27E-03	0.1010	6.72E-02	0.0191	7.30E-01	0.0851	1.23E-01	0.1255	2.28E-02	NO
CSRP1	ILMN_1811921	CSRP1	1465	0.6652	6.49E-09	0.2101	1.23E-04	0.0440	4.26E-01	-0.0311	5.75E-01	0.0002	9.97E-01	0.0613	2.67E-01	YES
ARRB1	ILMN_2325168	ARRB1	408	0.6646	6.65E-13	0.1330	1.58E-02	0.1016	6.57E-02	-0.0128	8.16E-01	0.0556	3.15E-01	0.0861	1.19E-01	NO
RPUSD2	ILMN_1730077	RPUSD2	27079	0.6646	3.18E-22	0.1399	1.11E-02	0.1581	4.05E-03	0.0452	4.14E-01	0.1474	7.39E-03	0.1845	7.74E-04	NO
AKR1B1	ILMN_1701731	AKR1B1	231	0.6642	5.08E-01	0.1365	1.32E-02	0.1841	7.91E-04	0.0170	7.59E-01	0.1384	1.20E-02	0.1654	2.62E-03	NO
GOT2	ILMN_1801348	GOT2	2806	0.6638	5.82E-08	0.1511	6.03E-03	0.0902	1.03E-01	0.1067	5.31E-02	0.1599	3.63E-03	0.2217	4.99E-05	NO
CREG1	ILMN_1680624	CREG1	8804	0.6632	3.20E-07	0.1894	5.54E-04	0.1143	3.82E-02	-0.0484	3.81E-01	0.0307	5.79E-01	0.0721	1.92E-01	YES
CD37	ILMN_2375825	CD37	951	0.6630	9.11E-29	0.1595	3.73E-03	0.0956	8.33E-02	-0.1224	2.65E-02	-0.0510	3.57E-01	-0.0320	5.63E-01	YES
IDH3B	ILMN_1721669	IDH3B	3420	0.6629	1.74E-03	0.1202	2.93E-02	0.1011	6.71E-02	-0.0234	6.73E-01	0.0454	4.12E-01	0.0695	2.09E-01	NO
MED16	ILMN_1800451	MED16	10025	0.6627	6.42E-43	0.1827	8.70E-04	0.1362	1.34E-02	-0.0848	1.25E-01	0.0112	8.39E-01	0.0404	4.65E-01	YES
LTA	ILMN_1795464	LTA	4049	0.6625	1.11E-04	0.1332	1.56E-02	0.0881	1.11E-01	0.1026	6.29E-02	0.1547	4.92E-03	0.2097	1.27E-04	NO
MX2	ILMN_2231928	MX2	4600	0.6622	9.83E-04	0.2189	6.21E-05	0.0278	6.16E-01	-0.0784	1.56E-01	-0.0550	3.20E-01	0.0020	9.71E-01	YES
ATP1A1	ILMN_2415189	ATP1A1	476	0.6620	6.70E-01	0.1763	1.32E-03	0.0437	4.29E-01	0.1618	3.24E-03	0.1807	9.97E-04	0.2679	8.15E-07	YES
COPE	ILMN_2339627	COPE	11316	0.6620	2.33E-01	0.1636	2.92E-03	0.0434	4.33E-01	0.1076	5.11E-02	0.1297	1.86E-02	0.2019	2.27E-04	YES
MCM3	ILMN_1806818	MCM3	4172	0.6616	7.99E-02	0.1432	9.30E-03	0.0317	5.67E-01	0.0807	1.44E-01	0.0966	8.02E-02	0.1580	4.06E-03	NO
NFE2L1	ILMN_1739450	NFE2L1	4779	0.6615	2.06E-04	0.1474	7.42E-03	0.1333	1.56E-02	-0.0389	4.82E-01	0.0523	3.44E-01	0.0786	1.55E-01	NO
COASY	ILMN_2352326	COASY	80347	0.6614	3.78E-02	0.1370	1.29E-02	0.1362	1.34E-02	0.0054	9.22E-01	0.0957	8.31E-02	0.1267	2.15E-02	NO
KHNYN	ILMN_1654392	KHNYN	23351	0.6612	1.42E-02	0.1376	1.25E-02	0.1870	6.50E-04	-0.0591	2.85E-01	0.0691	2.12E-01	0.0811	1.42E-01	NO
FHOD1	ILMN_1651776	FHOD1	29109	0.6610	7.74E-03	0.1685	2.17E-03	0.1098	4.66E-02	0.0875	1.13E-01	0.1550	4.83E-03	0.2165	7.54E-05	YES

ADARB1	ILMN_1679797	ADARB1	104	0.6604	1.63E-28	0.1534	5.31E-03	0.1779	1.20E-03	-0.1110	4.42E-02	0.0144	7.95E-01	0.0229	6.79E-01	NO
MFSD3	ILMN_1718972	MFSD3	113655	0.6598	6.86E-11	0.1907	5.06E-04	0.1015	6.59E-02	-0.0360	5.15E-01	0.0338	5.41E-01	0.0798	1.48E-01	YES
ANKZF1	ILMN_1677487	ANKZF1	55139	0.6595	3.02E-16	0.1326	1.61E-02	0.1081	5.02E-02	0.1080	5.04E-02	0.1730	1.64E-03	0.2262	3.45E-05	NO
TMEM131	ILMN_1753608	TMEM131	23505	0.6594	3.33E-03	0.1868	6.59E-04	0.0773	1.62E-01	-0.0534	3.35E-01	0.0014	9.79E-01	0.0458	4.08E-01	YES
MED15	ILMN_1668748	MED15	51586	0.6591	5.27E-01	0.1690	2.10E-03	0.0822	1.37E-01	-0.1575	4.19E-03	-0.0928	9.29E-02	-0.0757	1.71E-01	YES
SGSH	ILMN_2133675	SGSH	6448	0.6588	2.64E-13	0.0937	8.96E-02	0.0537	3.31E-01	0.0646	2.42E-01	0.0963	8.13E-02	0.1345	1.46E-02	NO
GNA15	ILMN_1773963	GNA15	2769	0.6587	3.62E-16	0.1701	1.96E-03	0.0792	1.52E-01	-0.1017	6.53E-02	-0.0426	4.41E-01	-0.0138	8.04E-01	YES
ZNF317	ILMN_1680347	ZNF317	57693	0.6586	2.84E-08	0.2115	1.11E-04	0.0888	1.08E-01	-0.0031	9.56E-01	0.0562	3.09E-01	0.1175	3.31E-02	YES
INF2	ILMN_1727248	INF2	64423	0.6584	1.13E-04	0.1533	5.33E-03	0.1193	3.05E-02	-0.0401	4.68E-01	0.0418	4.50E-01	0.0717	1.94E-01	NO
MOV10	ILMN_1725700	MOV10	4343	0.6580	5.50E-09	0.1891	5.63E-04	0.0903	1.02E-01	-0.0971	7.87E-02	-0.0308	5.77E-01	0.0041	9.41E-01	YES
PNKD	ILMN_1774604	PNKD	25953	0.6577	3.96E-10	0.1484	7.02E-03	0.0647	2.42E-01	0.0603	2.75E-01	0.0996	7.13E-02	0.1545	4.98E-03	NO
MAGED1	ILMN_2306189	MAGED1	9500	0.6575	2.20E-14	0.1414	1.02E-02	0.1468	7.64E-03	-0.0603	2.76E-01	0.0412	4.56E-01	0.0595	2.82E-01	NO
STAT5A	ILMN_1753547	STAT5A	6776	0.6575	5.74E-14	0.1751	1.43E-03	0.1372	1.27E-02	-0.0261	6.37E-01	0.0668	2.27E-01	0.1047	5.78E-02	YES
DGKA	ILMN_2319910	DGKA	1606	0.6574	3.48E-03	0.1247	2.37E-02	0.1777	1.21E-03	0.0417	4.51E-01	0.1573	4.24E-03	0.1858	7.07E-04	NO
ENO3	ILMN_1678904	ENO3	2027	0.6568	3.01E-01	0.2078	1.46E-04	0.0308	5.77E-01	0.0129	8.16E-01	0.0326	5.56E-01	0.1032	6.15E-02	YES
CLEC16A	ILMN_1781752	CLEC16A	23274	0.6566	4.62E-01	0.2543	2.99E-06	0.0474	3.91E-01	-0.0374	4.99E-01	-0.0035	9.50E-01	0.0713	1.97E-01	YES
MLL	ILMN_1668683	MLL	4297	0.6563	7.63E-01	0.1392	1.15E-02	0.0464	4.02E-01	0.0753	1.73E-01	0.1014	6.62E-02	0.1585	3.96E-03	NO
VPS33B	ILMN_1789243	VPS33B	26276	0.6558	7.89E-02	0.1570	4.30E-03	0.1383	1.21E-02	-0.0021	9.69E-01	0.0900	1.03E-01	0.1262	2.20E-02	NO
MLLT6	ILMN_1718734	MLLT6	4302	0.6558	5.03E-09	0.0345	5.33E-01	0.0746	1.77E-01	-0.0691	2.12E-01	-0.0150	7.86E-01	-0.0262	6.36E-01	NO
RAB4B	ILMN_2109994	RAB4B	53916	0.6555	1.44E-01	0.1815	9.43E-04	0.0429	4.38E-01	-0.0148	7.89E-01	0.0146	7.91E-01	0.0692	2.11E-01	YES
DEF6	ILMN_2145280	DEF6	50619	0.6554	8.55E-07	0.1518	5.81E-03	0.1855	7.21E-04	-0.0227	6.81E-01	0.1021	6.43E-02	0.1264	2.18E-02	NO
NPAL3	ILMN_1684210	NPAL3	57185	0.6547	7.19E-02	0.2072	1.53E-04	0.1081	5.01E-02	-0.0729	1.87E-01	0.0037	9.47E-01	0.0473	3.92E-01	YES
LOC730316	ILMN_1662130	LOC730316	730316	0.6546	5.70E-03	0.1450	8.43E-03	0.0353	5.23E-01	-0.0238	6.67E-01	0.0012	9.83E-01	0.0423	4.45E-01	NO
LAT	ILMN_2404625	LAT	27040	0.6544	5.74E-06	0.1370	1.29E-02	0.0565	3.06E-01	-0.0961	8.18E-02	-0.0524	3.44E-01	-0.0310	5.75E-01	NO
ACSS1	ILMN_1752269	ACSS1	84532	0.6543	2.15E-01	0.1764	1.31E-03	0.0327	5.54E-01	0.0251	6.50E-01	0.0453	4.13E-01	0.1072	5.20E-02	YES
NOL6	ILMN_2320250	NOL6	65083	0.6536	1.24E-03	0.1337	1.52E-02	0.0834	1.31E-01	-0.0082	8.83E-01	0.0479	3.87E-01	0.0819	1.38E-01	NO
STX4	ILMN_1680313	STX4	6810	0.6535	6.86E-01	0.1476	7.32E-03	0.1406	1.07E-02	-0.0131	8.13E-01	0.0813	1.41E-01	0.1118	4.27E-02	NO
DMAP1	ILMN_2328813	DMAP1	55929	0.6535	5.41E-04	0.1799	1.05E-03	0.0827	1.34E-01	0.1693	2.06E-03	0.2136	9.45E-05	0.2985	3.38E-08	YES
GUSB	ILMN_1669878	GUSB	2990	0.6533	6.56E-01	0.1452	8.35E-03	0.0725	1.90E-01	-0.0418	4.50E-01	0.0091	8.70E-01	0.0419	4.49E-01	NO
SUPT5H	ILMN_1703866	SUPT5H	6829	0.6528	5.01E-08	0.1619	3.22E-03	0.1332	1.56E-02	-0.0258	6.41E-01	0.0645	2.43E-01	0.0984	7.46E-02	YES
ITGAL	ILMN_1749591	ITGAL	3683	0.6525	3.63E-16	0.1769	1.27E-03	0.0133	8.10E-01	-0.0256	6.43E-01	-0.0151	7.84E-01	0.0395	4.75E-01	YES
ZBTB20	ILMN_1689456	ZBTB20	26137	0.6522	3.57E-02	0.1516	5.85E-03	0.1197	2.99E-02	0.0005	9.93E-01	0.0801	1.47E-01	0.1174	3.33E-02	NO
PDDC1	ILMN_1752197	PDDC1	347862	0.6521	3.50E-07	0.1186	3.15E-02	0.1480	7.17E-03	0.1345	1.47E-02	0.2244	4.02E-05	0.2728	5.04E-07	NO
NUP93	ILMN_2196569	NUP93	9688	0.6515	7.36E-07	0.1603	3.55E-03	0.1527	5.50E-03	0.1051	5.70E-02	0.2000	2.62E-04	0.2565	2.43E-06	YES
JMJD8	ILMN_1687921	JMJD8	339123	0.6515	1.17E-22	0.1803	1.02E-03	0.1662	2.50E-03	-0.0668	2.27E-01	0.0480	3.85E-01	0.0760	1.69E-01	YES
SBK1	ILMN_1728298	SBK1	388228	0.6514	5.53E-02	0.1423	9.73E-03	0.0998	7.07E-02	-0.0529	3.39E-01	0.0168	7.61E-01	0.0430	4.37E-01	NO
CAPN3	ILMN_1687971	CAPN3	825	0.6512	1.02E-08	0.0744	1.78E-01	0.1798	1.05E-03	0.0015	9.79E-01	0.1210	2.82E-02	0.1240	2.46E-02	NO
PIPSK1C	ILMN_1668514	PIPSK1C	23396	0.6505	1.65E-05	0.1725	1.69E-03	0.0765	1.66E-01	-0.0268	6.29E-01	0.0258	6.40E-01	0.0706	2.02E-01	YES
CASP2	ILMN_1736568	CASP2	835	0.6505	2.24E-22	0.1253	2.30E-02	0.1359	1.36E-02	-0.0907	1.01E-01	0.0055	9.20E-01	0.0137	8.05E-01	NO
ERCC1	ILMN_2277676	ERCC1	2067	0.6503	5.91E-04	0.1668	2.40E-03	0.1364	1.33E-02	0.0555	3.16E-01	0.1427	9.56E-03	0.1939	4.05E-04	YES
ELMO2	ILMN_2317730	ELMO2	63916	0.6501	1.39E-05	0.1462	7.90E-03	0.0294	5.95E-01	0.1293	1.90E-02	0.1407	1.06E-02	0.2130	9.90E-05	NO
KAT2A	ILMN_1782247	KAT2A	2648	0.6496	1.67E-23	0.1748	1.46E-03	0.1156	3.60E-02	0.0076	8.91E-01	0.0841	1.28E-01	0.1313	1.72E-02	YES
COBRA1	ILMN_1742432	COBRA1	25920	0.6495	6.19E-01	0.1398	1.11E-02	0.0608	2.72E-01	0.1076	5.11E-02	0.1412	1.03E-02	0.2030	2.10E-04	NO
SEC31A	ILMN_2399896	SEC31A	22872	0.6490	3.69E-03	0.0330	5.51E-01	0.1023	6.38E-02	0.0918	9.64E-02	0.1541	5.10E-03	0.1704	1.93E-03	NO
WDR5	ILMN_1728626	WDR5	11091	0.6490	6.95E-01	0.2077	1.48E-04	0.0350	5.26E-01	-0.0252	6.49E-01	-0.0003	9.96E-01	0.0623	2.60E-01	YES
GNL1	ILMN_1789457	GNL1	2794	0.6489	9.20E-01	0.1649	2.70E-03	0.0471	3.95E-01	-0.0363	5.12E-01	-0.0027	9.61E-01	0.0413	4.55E-01	YES

IMP4	ILMN_2156982	IMP4	92856	0.6486	9.03E-01	0.2366	1.44E-05	0.1184	3.18E-02	-0.0346	5.32E-01	0.0464	4.02E-01	0.1064	5.38E-02	YES
REXO1	ILMN_1753008	REXO1	57455	0.6482	3.12E-05	0.0872	1.14E-01	0.1239	2.46E-02	0.0914	9.81E-02	0.1680	2.24E-03	0.2002	2.58E-04	NO
CD5	ILMN_1753112	CD5	921	0.6477	6.47E-01	0.1703	1.94E-03	0.0608	2.71E-01	0.1172	3.36E-02	0.1502	6.34E-03	0.2244	4.00E-05	YES
ZBTB17	ILMN_1711048	ZBTB17	7709	0.6472	3.53E-04	0.1583	4.00E-03	0.0380	4.92E-01	-0.1322	1.64E-02	-0.0985	7.43E-02	-0.0745	1.78E-01	YES
ZNF282	ILMN_1668185	ZNF282	8427	0.6469	2.86E-02	0.1905	5.13E-04	0.0733	1.85E-01	-0.0246	6.57E-01	0.0257	6.42E-01	0.0775	1.61E-01	YES
MUM1	ILMN_1764764	MUM1	84939	0.6466	8.61E-04	0.1601	3.59E-03	0.1217	2.73E-02	-0.0103	8.53E-01	0.0713	1.97E-01	0.1092	4.79E-02	YES
TAF6	ILMN_2378708	TAF6	6878	0.6460	4.07E-13	0.0803	1.46E-01	0.1641	2.84E-03	-0.0227	6.81E-01	0.0878	1.12E-01	0.0901	1.03E-01	NO
SNRNP70	ILMN_1732053	SNRNP70	6625	0.6455	4.92E-03	0.0986	7.40E-02	0.1457	8.12E-03	-0.0817	1.39E-01	0.0204	7.12E-01	0.0198	7.21E-01	NO
ZDHC5	ILMN_1679358	ZDHC5	25921	0.6454	1.72E-15	0.2023	2.22E-04	0.0497	3.69E-01	-0.0552	3.19E-01	-0.0186	7.37E-01	0.0343	5.35E-01	YES
ANAPC5	ILMN_1723177	ANAPC5	51433	0.6451	2.95E-13	0.1779	1.19E-03	0.1115	4.33E-02	-0.1195	3.02E-02	-0.0377	4.95E-01	-0.0138	8.03E-01	YES
ADAM15	ILMN_1756920	ADAM15	8751	0.6451	5.71E-02	0.1772	1.25E-03	0.0829	1.33E-01	-0.1083	4.97E-02	-0.0463	4.03E-01	-0.0167	7.63E-01	YES
TAOK2	ILMN_1701487	TAOK2	9344	0.6450	1.52E-26	0.1516	5.86E-03	0.0901	1.03E-01	-0.1053	5.64E-02	-0.0387	4.84E-01	-0.0184	7.40E-01	NO
ZNF362	ILMN_1686968	ZNF362	149076	0.6444	1.35E-06	0.2340	1.81E-05	0.1492	6.69E-03	-0.1475	7.35E-03	-0.0389	4.82E-01	-0.0059	9.15E-01	YES
MKL1	ILMN_1651767	MKL1	57591	0.6444	4.10E-10	0.1380	1.22E-02	0.1618	3.25E-03	-0.0098	8.59E-01	0.0984	7.46E-02	0.1235	2.51E-02	NO
TNRC6A	ILMN_1714622	TNRC6A	27327	0.6443	5.05E-19	0.1815	9.42E-04	0.0722	1.91E-01	-0.1286	1.97E-02	-0.0724	1.90E-01	-0.0439	4.27E-01	YES
EHD1	ILMN_1651832	EHD1	10938	0.6438	2.26E-08	0.1805	1.01E-03	0.1015	6.58E-02	-0.0788	1.54E-01	-0.0062	9.11E-01	0.0279	6.15E-01	YES
TH1L	ILMN_1711450	TH1L	51497	0.6434	8.05E-11	0.1068	5.29E-02	0.0824	1.36E-01	0.0901	1.03E-01	0.1391	1.15E-02	0.1832	8.40E-04	NO
MGAT4B	ILMN_1796106	MGAT4B	11282	0.6433	8.86E-10	0.1412	1.03E-02	0.1733	1.61E-03	0.0323	5.60E-01	0.1455	8.22E-03	0.1785	1.15E-03	NO
TUSC4	ILMN_2191568	TUSC4	10641	0.6430	2.77E-01	0.1520	5.73E-03	0.1095	4.71E-02	0.0360	5.15E-01	0.1066	5.34E-02	0.1523	5.64E-03	NO
VPS16	ILMN_1778078	VPS16	64601	0.6424	4.11E-26	0.1628	3.06E-03	0.1769	1.27E-03	-0.1324	1.63E-02	-0.0063	9.09E-01	0.0014	9.80E-01	YES
HDAC1	ILMN_1727458	HDAC1	3065	0.6424	2.58E-05	0.1486	6.92E-03	0.0529	3.39E-01	-0.1790	1.11E-03	-0.1325	1.62E-02	-0.1229	2.58E-02	NO
HNRNPD	ILMN_1751368	HNRNPD	3184	0.6420	1.14E-01	0.1897	5.43E-04	0.1280	2.02E-02	0.1486	6.93E-03	0.2243	4.04E-05	0.3027	2.12E-08	YES
PEMT	ILMN_1745806	PEMT	10400	0.6419	1.66E-05	0.1939	4.03E-04	0.0764	1.67E-01	-0.0359	5.16E-01	0.0172	7.56E-01	0.0676	2.22E-01	YES
SAMD14	ILMN_1760688	SAMD14	201191	0.6417	3.64E-19	0.1286	1.97E-02	0.1221	2.68E-02	0.1063	5.41E-02	0.1808	9.88E-04	0.2305	2.42E-05	NO
ABHD8	ILMN_1712707	ABHD8	79575	0.6414	7.92E-05	0.1790	1.11E-03	0.0943	8.76E-02	0.0128	8.17E-01	0.0747	1.76E-01	0.1272	2.10E-02	YES
MAP4K2	ILMN_1723625	MAP4K2	5871	0.6413	9.46E-05	0.1935	4.16E-04	0.0076	8.90E-01	0.1237	2.49E-02	0.1209	2.84E-02	0.2113	1.13E-04	YES
SPNS1	ILMN_1681016	SPNS1	83985	0.6410	1.59E-26	0.1262	2.20E-02	0.0813	1.41E-01	-0.0714	1.97E-01	-0.0128	8.17E-01	0.0065	9.06E-01	NO
MICAL1	ILMN_1807972	MICAL1	64780	0.6407	3.92E-03	0.2010	2.43E-04	0.0866	1.17E-01	0.0801	1.47E-01	0.1326	1.61E-02	0.2069	1.57E-04	YES
SFRS4	ILMN_2175075	SFRS4	6429	0.6406	2.73E-01	0.2218	4.94E-05	0.0230	6.77E-01	0.0064	9.08E-01	0.0213	7.01E-01	0.0965	8.05E-02	YES
NSUN5B	ILMN_2352448	NSUN5B	155400	0.6404	1.72E-08	0.1270	2.12E-02	0.0800	1.48E-01	0.0154	7.81E-01	0.0676	2.21E-01	0.1044	5.86E-02	NO
LAMP1	ILMN_1782292	LAMP1	3916	0.6402	2.41E-11	0.0930	9.22E-02	0.0958	8.26E-02	-0.0393	4.77E-01	0.0269	6.27E-01	0.0391	4.80E-01	NO
CD4	ILMN_1727284	CD4	920	0.6402	9.02E-18	0.2010	2.43E-04	0.1218	2.72E-02	-0.0535	3.34E-01	0.0309	5.76E-01	0.0745	1.78E-01	YES
CD14	ILMN_1740015	CD14	929	0.6397	5.64E-03	0.1056	5.56E-02	0.1207	2.86E-02	0.0434	4.33E-01	0.1210	2.83E-02	0.1506	6.22E-03	NO
LOC643031	ILMN_1743078	LOC643031	643031	0.6396	2.85E-19	0.1264	2.18E-02	0.0729	1.87E-01	-0.0154	7.81E-01	0.0341	5.38E-01	0.0655	2.36E-01	NO
MED16	ILMN_1790782	MED16	10025	0.6396	5.18E-03	0.1030	6.21E-02	0.0791	1.52E-01	-0.0205	7.12E-01	0.0335	5.45E-01	0.0550	3.20E-01	NO
PHF15	ILMN_1795285	PHF15	23338	0.6396	1.14E-09	0.1932	4.24E-04	0.0224	6.85E-01	-0.1453	8.31E-03	-0.1211	2.80E-02	-0.0855	1.22E-01	YES
SEMA4D	ILMN_1687533	SEMA4D	10507	0.6395	1.62E-02	0.1759	1.35E-03	0.0789	1.54E-01	-0.0254	6.46E-01	0.0287	6.04E-01	0.0746	1.77E-01	YES
CRIPAK	ILMN_2140700	CRIPAK	285464	0.6394	4.20E-01	0.1875	6.28E-04	0.0813	1.41E-01	-0.1467	7.69E-03	-0.0833	1.32E-01	-0.0575	2.98E-01	YES
C12ORF44	ILMN_1772527	C12orf44	60673	0.6389	5.62E-04	0.2097	1.27E-04	0.1029	6.22E-02	-0.0349	5.28E-01	0.0358	5.18E-01	0.0884	1.10E-01	YES
WDR4	ILMN_1656628	WDR4	10785	0.6386	4.64E-03	0.2073	1.52E-04	0.0474	3.91E-01	-0.1590	3.84E-03	-0.1174	3.33E-02	-0.0827	1.34E-01	YES
POLR3H	ILMN_1786024	POLR3H	171568	0.6386	1.35E-04	0.1218	2.72E-02	0.1626	3.09E-03	0.0270	6.26E-01	0.1334	1.54E-02	0.1600	3.61E-03	NO
LIG1	ILMN_1706779	LIG1	3978	0.6384	5.86E-04	0.1820	9.09E-04	0.0394	4.77E-01	-0.1023	6.39E-02	-0.0696	2.08E-01	-0.0316	5.68E-01	YES
GSS	ILMN_1683462	GSS	2937	0.6384	8.87E-26	0.1333	1.56E-02	0.0384	4.87E-01	-0.0140	8.00E-01	0.0125	8.22E-01	0.0510	3.57E-01	NO
SYMPK	ILMN_1802089	SYMPK	8189	0.6380	4.87E-03	0.1313	1.72E-02	0.0503	3.63E-01	0.0266	6.31E-01	0.0584	2.91E-01	0.1026	6.29E-02	NO
ADD1	ILMN_1759252	ADD1	118	0.6371	1.67E-14	0.1814	9.51E-04	0.1419	9.99E-03	-0.0865	1.17E-01	0.0134	8.09E-01	0.0410	4.58E-01	NO
VARS	ILMN_1696601	VARS	7407	0.6370	1.44E-07	0.1296	1.87E-02	0.0926	9.35E-02	-0.1552	4.79E-03	-0.0837	1.30E-01	-0.0811	1.42E-01	NO

NDUFS8	ILMN_1794132	NDUFS8	4728	0.6370	5.99E-04	0.1623	3.16E-03	0.0916	9.73E-02	-0.2073	1.52E-04	-0.1333	1.56E-02	-0.1294	1.88E-02	NO
STX5	ILMN_1808860	STX5	6811	0.6369	3.77E-11	0.1672	2.34E-03	0.0674	2.23E-01	-0.0260	6.38E-01	0.0205	7.11E-01	0.0647	2.42E-01	NO
PCIF1	ILMN_2232368	PCIF1	63935	0.6368	6.72E-13	0.1363	1.33E-02	0.1206	2.88E-02	0.0838	1.29E-01	0.1587	3.91E-03	0.2069	1.58E-04	NO
SETDB1	ILMN_1718207	SETDB1	9869	0.6366	2.64E-10	0.1804	1.01E-03	0.0866	1.17E-01	-0.0301	5.86E-01	0.0294	5.96E-01	0.0749	1.76E-01	NO
MARCH6	ILMN_1757106	MARCH6	10299	0.6365	1.94E-01	0.2585	2.01E-06	0.0758	1.70E-01	-0.0283	6.09E-01	0.0239	6.66E-01	0.0983	7.51E-02	NO
ARHGAP30	ILMN_1750805	ARHGAP30	257106	0.6363	1.25E-04	0.2017	2.32E-04	0.0804	1.46E-01	-0.0404	4.65E-01	0.0156	7.78E-01	0.0673	2.24E-01	NO
SNRPA	ILMN_1779399	SNRPA	6626	0.6360	1.05E-01	0.2324	2.06E-05	0.0412	4.57E-01	-0.1693	2.06E-03	-0.1312	1.73E-02	-0.0891	1.07E-01	NO
ARF1	ILMN_1802203	ARF1	375	0.6355	2.63E-01	0.1574	4.21E-03	0.0844	1.26E-01	0.0618	2.63E-01	0.1141	3.87E-02	0.1699	1.98E-03	NO
ZNF500	ILMN_1700238	ZNF500	26048	0.6355	1.68E-01	0.1476	7.31E-03	0.1665	2.44E-03	-0.0063	9.09E-01	0.1049	5.74E-02	0.1334	1.55E-02	NO
GIPC1	ILMN_1796177	GIPC1	10755	0.6353	1.17E-01	0.2126	1.02E-04	0.0473	3.93E-01	-0.0992	7.23E-02	-0.0615	2.66E-01	-0.0133	8.11E-01	NO
PKM2	ILMN_2366634	PKM2	5315	0.6353	8.06E-01	0.1809	9.83E-04	0.0542	3.27E-01	-0.0757	1.71E-01	-0.0348	5.29E-01	0.0061	9.12E-01	NO
SLC37A4	ILMN_1678678	SLC37A4	2542	0.6352	1.69E-06	0.0994	7.17E-02	0.0973	7.80E-02	0.0822	1.37E-01	0.1417	1.01E-02	0.1797	1.06E-03	NO
FAM159A	ILMN_2185675	FAM159A	348378	0.6351	1.97E-03	0.1999	2.63E-04	0.0686	2.15E-01	0.0967	7.99E-02	0.1362	1.34E-02	0.2156	8.05E-05	NO
ZFYVE19	ILMN_1780698	ZFYVE19	84936	0.6344	5.73E-03	0.1300	1.84E-02	0.0724	1.90E-01	-0.0806	1.44E-01	-0.0274	6.21E-01	-0.0074	8.93E-01	NO
TMEM175	ILMN_1654629	TMEM175	84286	0.6344	2.14E-06	0.1181	3.23E-02	0.1024	6.37E-02	-0.0167	7.63E-01	0.0525	3.43E-01	0.0770	1.64E-01	NO
BRD2	ILMN_1758918	BRD2	6046	0.6342	4.27E-05	0.1501	6.36E-03	0.0674	2.23E-01	0.1734	1.59E-03	0.2072	1.54E-04	0.2846	1.51E-07	NO
TMBIM6	ILMN_1693311	TMBIM6	7009	0.6342	6.59E-08	0.2137	9.34E-05	0.1099	4.63E-02	-0.0736	1.83E-01	0.0042	9.40E-01	0.0497	3.69E-01	NO
DYNLRB1	ILMN_2157435	DYNLRB1	83658	0.6334	1.54E-01	0.1008	6.78E-02	0.0849	1.24E-01	0.0013	9.81E-01	0.0578	2.96E-01	0.0820	1.38E-01	NO
SLC38A1	ILMN_1769911	SLC38A1	81539	0.6328	2.38E-04	0.1729	1.65E-03	0.1388	1.17E-02	-0.0923	9.46E-02	0.0059	9.15E-01	0.0298	5.90E-01	NO
ACADVL	ILMN_2352009	ACADVL	37	0.6328	4.11E-04	0.1465	7.77E-03	0.1084	4.95E-02	-0.0146	7.93E-01	0.0585	2.90E-01	0.0925	9.40E-02	NO
CCT7	ILMN_2341793	CCT7	10574	0.6325	4.78E-06	0.1474	7.40E-03	0.0916	9.71E-02	-0.0143	7.96E-01	0.0476	3.90E-01	0.0841	1.28E-01	NO
NDUFB11	ILMN_1749709	NDUFB11	54539	0.6323	6.87E-02	0.2217	4.97E-05	0.0679	2.20E-01	-0.0109	8.44E-01	0.0350	5.27E-01	0.1010	6.73E-02	NO
NSUN5	ILMN_1751958	NSUN5	55695	0.6321	1.20E-01	0.1460	8.00E-03	0.0194	7.26E-01	-0.1438	8.99E-03	-0.1218	2.71E-02	-0.1019	6.49E-02	NO
GLB1	ILMN_2397721	GLB1	2720	0.6321	1.65E-21	0.1718	1.76E-03	0.0758	1.70E-01	-0.0672	2.24E-01	-0.0125	8.21E-01	0.0241	6.63E-01	NO
PLSCR3	ILMN_1703433	PLSCR3	57048	0.6321	2.72E-07	0.1587	3.91E-03	0.1498	6.49E-03	-0.0671	2.25E-01	0.0368	5.06E-01	0.0594	2.83E-01	NO
RHBDD2	ILMN_1809437	RHBDD2	57414	0.6318	1.60E-22	0.1473	7.43E-03	0.1716	1.79E-03	0.0559	3.12E-01	0.1665	2.44E-03	0.2065	1.62E-04	NO
DISC1	ILMN_1676632	DISC1	27185	0.6318	2.11E-07	0.1787	1.13E-03	0.0344	5.34E-01	-0.0327	5.54E-01	-0.0078	8.88E-01	0.0434	4.33E-01	NO
FASTK	ILMN_1664098	FASTK	10922	0.6315	5.12E-01	0.2076	1.49E-04	0.1053	5.64E-02	-0.0153	7.82E-01	0.0557	3.14E-01	0.1111	4.40E-02	NO
ST3GAL1	ILMN_1683313	ST3GAL1	6482	0.6315	3.91E-01	0.1791	1.11E-03	0.0979	7.61E-02	-0.0954	8.40E-02	-0.0242	6.62E-01	0.0066	9.05E-01	NO
WDR23	ILMN_2389376	WDR23	80344	0.6313	8.47E-09	0.1240	2.44E-02	0.0660	2.33E-01	0.1775	1.23E-03	0.2101	1.23E-04	0.2794	2.58E-07	NO
COX19	ILMN_1656656	COX19	90639	0.6313	7.31E-08	0.0694	2.09E-01	0.1524	5.61E-03	0.0559	3.12E-01	0.1538	5.19E-03	0.1692	2.08E-03	NO
CRY2	ILMN_1796180	CRY2	1408	0.6312	9.11E-01	0.1291	1.92E-02	0.1478	7.24E-03	-0.0147	7.90E-01	0.0845	1.26E-01	0.1074	5.17E-02	NO
STIM1	ILMN_2064694	STIM1	6786	0.6310	2.35E-07	0.1270	2.12E-02	0.0781	1.58E-01	-0.2628	1.34E-06	-0.1942	3.97E-04	-0.2117	1.09E-04	NO
APOA1BP	ILMN_1729533	APOA1BP	128240	0.6310	4.68E-08	0.1173	3.35E-02	0.0840	1.28E-01	0.0262	6.36E-01	0.0804	1.46E-01	0.1154	3.65E-02	NO
NDUFV1	ILMN_1786718	NDUFV1	4723	0.6307	1.84E-05	0.1839	8.02E-04	0.0781	1.58E-01	0.0345	5.32E-01	0.0843	1.27E-01	0.1448	8.52E-03	NO
PEF1	ILMN_1729748	PEF1	553115	0.6302	1.43E-01	0.1614	3.32E-03	0.1098	4.66E-02	0.0260	6.39E-01	0.0973	7.79E-02	0.1443	8.77E-03	NO
DYNC1H1	ILMN_1780302	DYNC1H1	1778	0.6299	1.27E-26	0.1402	1.09E-02	0.1022	6.40E-02	-0.0766	1.66E-01	-0.0037	9.47E-01	0.0167	7.62E-01	NO
NUDCD3	ILMN_1796900	NUDCD3	23386	0.6299	2.34E-02	0.1909	4.98E-04	-0.0214	6.99E-01	-0.0254	6.47E-01	-0.0380	4.92E-01	0.0260	6.38E-01	NO
LOC728014	ILMN_1812721	LOC728014	728014	0.6297	1.42E-04	0.0801	1.47E-01	0.0290	6.00E-01	-0.0623	2.60E-01	-0.0390	4.81E-01	-0.0272	6.23E-01	NO
FLT3LG	ILMN_2091412	FLT3LG	2323	0.6294	8.53E-03	0.1899	5.35E-04	0.0213	7.01E-01	-0.0765	1.66E-01	-0.0575	2.99E-01	-0.0094	8.66E-01	NO
TTC15	ILMN_1693317	TTC15	51112	0.6293	6.18E-01	0.1871	6.48E-04	0.1034	6.11E-02	-0.1204	2.90E-02	-0.0440	4.26E-01	-0.0161	7.71E-01	NO
P2RY8	ILMN_1768284	P2RY8	286530	0.6290	6.44E-01	0.1472	7.51E-03	0.0608	2.71E-01	-0.0784	1.56E-01	-0.0329	5.52E-01	-0.0051	9.27E-01	NO
LOC642755	ILMN_1793287	LOC642755	642755	0.6287	1.22E-19	0.1265	2.18E-02	0.1093	4.75E-02	-0.0572	3.01E-01	0.0191	7.30E-01	0.0377	4.96E-01	NO
CCDC102A	ILMN_1796762	CCDC102A	92922	0.6284	4.26E-11	0.1902	5.22E-04	0.0396	4.74E-01	0.0789	1.54E-01	0.1002	6.95E-02	0.1766	1.30E-03	NO
PTGES2	ILMN_2345015	PTGES2	80142	0.6282	9.09E-06	0.1532	5.36E-03	0.0419	4.49E-01	0.0991	7.26E-02	0.1207	2.86E-02	0.1879	6.13E-04	NO
APEH	ILMN_1718023	APEH	327	0.6276	4.83E-24	0.1281	2.01E-02	0.1452	8.36E-03	-0.0236	6.70E-01	0.0745	1.78E-01	0.0956	8.33E-02	NO

FAM39DP	ILMN_1713406	FAM39DP	374666	0.6272	4.55E-01	0.1919	4.66E-04	0.0581	2.94E-01	0.0198	7.20E-01	0.0572	3.01E-01	0.1202	2.93E-02	NO
SNTB2	ILMN_1808374	SNTB2	6645	0.6271	6.12E-13	0.1272	2.10E-02	0.1398	1.11E-02	-0.0108	8.45E-01	0.0829	1.34E-01	0.1069	5.28E-02	NO
SCRIB	ILMN_1726516	SCRIB	23513	0.6265	1.82E-01	0.0848	1.25E-01	0.1669	2.39E-03	0.0591	2.85E-01	0.1664	2.47E-03	0.1859	7.02E-04	NO
SH3KBP1	ILMN_1808501	SH3KBP1	30011	0.6264	1.49E-03	0.1490	6.77E-03	0.0600	2.78E-01	-0.0712	1.97E-01	-0.0268	6.28E-01	0.0032	9.54E-01	NO
LOC647000	ILMN_1704750	LOC647000	647000	0.6262	9.62E-20	0.1317	1.68E-02	0.0949	8.57E-02	0.0933	9.10E-02	0.1505	6.23E-03	0.2023	2.21E-04	NO
CASZ1	ILMN_1655191	CASZ1	54897	0.6260	5.65E-02	0.1703	1.94E-03	0.0266	6.31E-01	0.1580	4.06E-03	0.1657	2.58E-03	0.2523	3.59E-06	NO
CPSF4	ILMN_1660426	CPSF4	10898	0.6258	3.23E-09	0.1465	7.79E-03	0.0809	1.43E-01	-0.0545	3.24E-01	0.0028	9.60E-01	0.0325	5.57E-01	NO
RHBDD2	ILMN_2406410	RHBDD2	57414	0.6254	8.13E-02	0.1274	2.08E-02	0.0252	6.48E-01	0.0332	5.48E-01	0.0479	3.86E-01	0.0954	8.41E-02	NO
BNIP3L	ILMN_1718961	BNIP3L	665	0.6248	3.81E-02	0.1785	1.15E-03	0.0140	8.00E-01	-0.1419	9.96E-03	-0.1236	2.50E-02	-0.0913	9.84E-02	NO
EFTUD2	ILMN_1738819	EFTUD2	9343	0.6244	1.63E-01	0.2205	5.50E-05	0.0593	2.84E-01	-0.0784	1.56E-01	-0.0340	5.39E-01	0.0195	7.25E-01	NO
ODF2	ILMN_1730698	ODF2	4957	0.6239	3.94E-06	0.1472	7.49E-03	0.0928	9.28E-02	-0.1049	5.74E-02	-0.0365	5.10E-01	-0.0180	7.46E-01	NO
SEPT1	ILMN_1671854	SEPT1	1731	0.6238	2.43E-05	0.1858	7.06E-04	0.1098	4.65E-02	-0.0904	1.02E-01	-0.0115	8.35E-01	0.0210	7.04E-01	NO
BOP1	ILMN_1715583	BOP1	23246	0.6234	9.16E-22	0.0904	1.02E-01	0.1584	3.98E-03	-0.1282	2.00E-02	-0.0147	7.91E-01	-0.0289	6.02E-01	NO
HMGA1	ILMN_2311537	HMGA1	3159	0.6234	1.40E-22	0.1362	1.34E-02	0.1703	1.93E-03	0.0077	8.90E-01	0.1205	2.89E-02	0.1473	7.45E-03	NO
DKFZP761P04:ILMN_1757872	DKFZp761P042:157285			0.6232	4.54E-19	0.2085	1.39E-04	0.0565	3.07E-01	-0.0608	2.71E-01	-0.0194	7.26E-01	0.0338	5.42E-01	NO
MYO9A	ILMN_2173919	MYO9A	4649	0.6231	9.28E-05	0.1288	1.95E-02	0.0697	2.07E-01	0.0107	8.46E-01	0.0564	3.07E-01	0.0942	8.79E-02	NO
SELO	ILMN_1769787	SELO	83642	0.6231	3.94E-01	0.2079	1.46E-04	0.0206	7.09E-01	0.0056	9.19E-01	0.0190	7.31E-01	0.0896	1.05E-01	NO
SH3BGRL3	ILMN_1737163	SH3BGRL3	83442	0.6228	1.30E-22	0.1047	5.78E-02	0.0618	2.64E-01	-0.0138	8.03E-01	0.0282	6.11E-01	0.0538	3.30E-01	NO
BRPF1	ILMN_1669308	BRPF1	7862	0.6223	4.70E-07	0.1319	1.67E-02	0.1267	2.15E-02	-0.0470	3.96E-01	0.0403	4.66E-01	0.0605	2.74E-01	NO
IVD	ILMN_1724207	IVD	3712	0.6221	5.92E-03	0.1378	1.24E-02	0.1927	4.39E-04	-0.0377	4.96E-01	0.0930	9.23E-02	0.1085	4.92E-02	NO
QARS	ILMN_1763080	QARS	5859	0.6219	2.65E-05	0.1637	2.90E-03	0.0235	6.72E-01	-0.1979	3.05E-04	-0.1697	2.01E-03	-0.1547	4.91E-03	NO
PTOV1	ILMN_1700109	PTOV1	53635	0.6219	1.02E-09	0.1807	9.91E-04	0.0935	9.05E-02	0.0137	8.04E-01	0.0751	1.74E-01	0.1284	1.98E-02	NO
MOGS	ILMN_1727642	MOGS	7841	0.6218	4.40E-03	0.1602	3.58E-03	0.0790	1.53E-01	-0.0192	7.29E-01	0.0345	5.32E-01	0.0762	1.68E-01	NO
PLD3	ILMN_1666976	PLD3	23646	0.6215	1.98E-01	0.1834	8.30E-04	0.0231	6.77E-01	-0.0062	9.11E-01	0.0095	8.64E-01	0.0689	2.12E-01	NO
GRAP	ILMN_2264011	GRAP	10750	0.6215	1.26E-15	0.1953	3.67E-04	0.0252	6.49E-01	-0.1377	1.24E-02	-0.1122	4.20E-02	-0.0747	1.77E-01	NO
CHD4	ILMN_1685551	CHD4	1108	0.6214	1.48E-03	0.1954	3.64E-04	0.1479	7.20E-03	-0.1461	7.93E-03	-0.0385	4.87E-01	-0.0184	7.39E-01	NO
SULT1A3	ILMN_1670517	SULT1A3	6818	0.6214	1.85E-16	0.1301	1.83E-02	0.0409	4.60E-01	-0.0419	4.49E-01	-0.0120	8.28E-01	0.0196	7.23E-01	NO
ATP5D	ILMN_1653599	ATP5D	513	0.6214	1.50E-09	0.1703	1.94E-03	0.0961	8.16E-02	-0.1609	3.43E-03	-0.0867	1.16E-01	-0.0716	1.95E-01	NO
CIRH1A	ILMN_1796235	CIRH1A	84916	0.6208	1.36E-01	0.0883	1.10E-01	0.0501	3.65E-01	0.0960	8.22E-02	0.1232	2.55E-02	0.1662	2.50E-03	NO
CDK5RAP3	ILMN_2383489	CDK5RAP3	80279	0.6204	3.27E-05	0.1374	1.26E-02	0.0950	8.53E-02	-0.1135	3.97E-02	-0.0431	4.36E-01	-0.0299	5.89E-01	NO
RGMA	ILMN_1717636	RGMA	56963	0.6204	6.97E-01	0.1043	5.88E-02	0.0851	1.23E-01	0.0711	1.98E-01	0.1233	2.54E-02	0.1624	3.13E-03	NO
NHP2L1	ILMN_1763460	NHP2L1	4809	0.6202	3.34E-10	0.2026	2.17E-04	0.1276	2.06E-02	-0.0924	9.44E-02	-0.0016	9.77E-01	0.0341	5.38E-01	NO
ZNF585A	ILMN_1737211	ZNF585A	199704	0.6201	6.74E-04	0.1877	6.22E-04	0.0605	2.74E-01	-0.1288	1.95E-02	-0.0803	1.46E-01	-0.0483	3.83E-01	NO
NDST2	ILMN_2206344	NDST2	8509	0.6200	1.06E-03	0.1778	1.20E-03	0.0451	4.15E-01	-0.0785	1.55E-01	-0.0435	4.32E-01	-0.0030	9.56E-01	NO
PABPC1	ILMN_1761155	PABPC1	26986	0.6194	6.82E-34	0.1155	3.63E-02	0.1773	1.24E-03	-0.0855	1.22E-01	0.0378	4.94E-01	0.0382	4.89E-01	NO
ADCK2	ILMN_1663132	ADCK2	90956	0.6191	6.41E-04	0.2193	6.04E-05	0.0598	2.80E-01	-0.0239	6.66E-01	0.0174	7.53E-01	0.0811	1.42E-01	NO
UBE2L3	ILMN_1677877	UBE2L3	7332	0.6190	2.83E-19	0.2183	6.52E-05	0.0944	8.75E-02	-0.2689	7.44E-07	-0.1890	5.68E-04	-0.1782	1.17E-03	NO
HNRPM	ILMN_1745385	HNRPM	4670	0.6190	2.45E-03	0.1529	5.45E-03	0.0170	7.58E-01	-0.0315	5.70E-01	-0.0181	7.43E-01	0.0265	6.32E-01	NO
ATIC	ILMN_1673991	ATIC	471	0.6187	1.26E-07	0.1749	1.45E-03	0.1774	1.24E-03	-0.0251	6.50E-01	0.0945	8.72E-02	0.1273	2.09E-02	NO
MED24	ILMN_2388272	MED24	9862	0.6185	6.01E-01	0.1125	4.14E-02	0.0712	1.98E-01	0.0424	4.44E-01	0.0870	1.15E-01	0.1252	2.31E-02	NO
CDC37	ILMN_1668369	CDC37	11140	0.6185	7.95E-06	0.1176	3.30E-02	0.0839	1.29E-01	-0.0038	9.46E-01	0.0523	3.44E-01	0.0815	1.40E-01	NO
SURF4	ILMN_1690761	SURF4	6836	0.6185	3.03E-02	0.1714	1.81E-03	0.0343	5.36E-01	-0.1177	3.29E-02	-0.0874	1.14E-01	-0.0555	3.16E-01	NO
FLJ20254	ILMN_1716907	FLJ20254	54867	0.6184	3.82E-02	0.1514	5.93E-03	0.1179	3.25E-02	0.0620	2.62E-01	0.1365	1.32E-02	0.1860	6.99E-04	NO
EMD	ILMN_1801421	EMD	2010	0.6184	3.76E-01	0.1811	9.71E-04	0.0908	1.00E-01	-0.1281	2.01E-02	-0.0596	2.81E-01	-0.0336	5.43E-01	NO
KLHDC3	ILMN_1730940	KLHDC3	116138	0.6177	8.06E-01	0.1513	5.96E-03	0.0959	8.23E-02	-0.0621	2.61E-01	0.0056	9.19E-01	0.0336	5.44E-01	NO
ZFPM1	ILMN_1651438	ZFPM1	161882	0.6175	2.82E-05	0.0972	7.84E-02	0.1066	5.33E-02	0.0940	8.88E-02	0.1589	3.85E-03	0.1973	3.17E-04	NO

RBM10	ILMN_2414014	RBM10	8241	0.6174	3.46E-01	0.0905	1.01E-01	0.1219	2.70E-02	0.1315	1.70E-02	0.2042	1.92E-04	0.2457	6.53E-06	NO
CSNK2B	ILMN_1800461	CSNK2B	1460	0.6171	5.27E-01	0.1103	4.56E-02	0.0863	1.18E-01	0.0559	3.12E-01	0.1098	4.66E-02	0.1479	7.21E-03	NO
EWSR1	ILMN_1727041	EWSR1	2130	0.6171	7.21E-04	0.1506	6.19E-03	0.0854	1.22E-01	0.1384	1.20E-02	0.1865	6.76E-04	0.2549	2.83E-06	NO
SMARCC2	ILMN_1791770	SMARCC2	6601	0.6169	7.95E-09	0.0926	9.37E-02	0.0580	2.94E-01	0.0311	5.75E-01	0.0677	2.21E-01	0.0984	7.46E-02	NO
NOP56	ILMN_1787628	NOP56	10528	0.6166	9.47E-02	0.1062	5.42E-02	0.0652	2.38E-01	0.0935	9.04E-02	0.1310	1.75E-02	0.1778	1.21E-03	NO
RAD9A	ILMN_1684183	RAD9A	5883	0.6164	7.29E-13	0.1575	4.20E-03	0.1566	4.40E-03	-0.1404	1.08E-02	-0.0273	6.22E-01	-0.0204	7.12E-01	NO
PVRIG	ILMN_1688279	PVRIG	79037	0.6163	1.73E-02	0.1878	6.18E-04	0.0131	8.13E-01	-0.1224	2.64E-02	-0.1059	5.50E-02	-0.0665	2.29E-01	NO
CS	ILMN_1706057	CS	1431	0.6162	2.20E-14	0.0959	8.26E-02	0.1020	6.46E-02	0.0385	4.86E-01	0.1040	5.96E-02	0.1316	1.69E-02	NO
KIAA1267	ILMN_1678235	KIAA1267	284058	0.6160	5.80E-01	0.1449	8.47E-03	-0.0151	7.85E-01	0.0902	1.02E-01	0.0744	1.78E-01	0.1443	8.74E-03	NO
OTUB1	ILMN_2354855	OTUB1	55611	0.6160	3.72E-04	0.0761	1.69E-01	0.0684	2.16E-01	0.0734	1.84E-01	0.1143	3.83E-02	0.1463	7.88E-03	NO
CAPNS1	ILMN_1655418	CAPNS1	826	0.6159	2.21E-10	0.1369	1.29E-02	0.1505	6.23E-03	-0.0117	8.32E-01	0.0892	1.06E-01	0.1150	3.71E-02	NO
C20ORF4	ILMN_1721225	C20orf4	25980	0.6155	2.02E-01	0.1269	2.14E-02	0.1316	1.69E-02	0.0477	3.89E-01	0.1322	1.64E-02	0.1686	2.15E-03	NO
MMS19L	ILMN_2174394	MMS19L	64210	0.6153	1.16E-06	0.1723	1.70E-03	0.1451	8.37E-03	0.0071	8.98E-01	0.1032	6.15E-02	0.1457	8.13E-03	NO
SUPT6H	ILMN_1758717	SUPT6H	6830	0.6151	3.55E-09	0.1856	7.18E-04	0.1411	1.04E-02	-0.1784	1.16E-03	-0.0732	1.85E-01	-0.0620	2.62E-01	NO
STRADA	ILMN_2315694	STRADA	92335	0.6143	5.38E-11	0.2106	1.19E-04	0.0740	1.81E-01	-0.0196	7.23E-01	0.0309	5.77E-01	0.0905	1.01E-01	NO
FBXO18	ILMN_1729430	FBXO18	84893	0.6143	1.37E-06	0.1490	6.77E-03	0.0733	1.85E-01	-0.1098	4.65E-02	-0.0541	3.28E-01	-0.0334	5.46E-01	NO
DFFA	ILMN_2385220	DFFA	1676	0.6142	3.63E-08	0.1884	5.92E-04	0.0788	1.54E-01	0.0481	3.84E-01	0.0975	7.73E-02	0.1622	3.18E-03	NO
EP400	ILMN_1673023	EP400	57634	0.6140	2.09E-06	0.1791	1.10E-03	0.0350	5.27E-01	-0.1940	4.00E-04	-0.1584	3.96E-03	-0.1389	1.17E-02	NO
ZZEF1	ILMN_1786396	ZZEF1	23140	0.6139	2.72E-04	0.1971	3.22E-04	0.0733	1.85E-01	-0.0632	2.53E-01	-0.0104	8.51E-01	0.0361	5.14E-01	NO
RNF14	ILMN_1714461	RNF14	9604	0.6138	1.38E-11	0.1098	4.66E-02	0.1111	4.41E-02	-0.0007	9.91E-01	0.0733	1.85E-01	0.0969	7.92E-02	NO
SRRM2	ILMN_1734602	SRRM2	23524	0.6134	4.66E-03	0.1893	5.57E-04	0.0607	2.72E-01	0.0606	2.73E-01	0.0971	7.86E-02	0.1668	2.40E-03	NO
PLXNB2	ILMN_1763447	PLXNB2	23654	0.6134	2.35E-08	0.1540	5.13E-03	0.0374	4.99E-01	-0.0070	9.00E-01	0.0184	7.40E-01	0.0656	2.36E-01	NO
CKAP5	ILMN_1748770	CKAP5	9793	0.6129	4.30E-10	0.0658	2.34E-01	0.0991	7.25E-02	0.1354	1.40E-02	0.1927	4.39E-04	0.2293	2.67E-05	NO
RUSC1	ILMN_1743747	RUSC1	23623	0.6125	1.49E-02	0.1171	3.37E-02	0.0946	8.66E-02	0.0810	1.43E-01	0.1388	1.17E-02	0.1832	8.44E-04	NO
GDPD5	ILMN_1701643	GDPD5	81544	0.6123	2.08E-03	0.1707	1.89E-03	0.0392	4.79E-01	-0.1531	5.39E-03	-0.1173	3.34E-02	-0.0932	9.15E-02	NO
TNPO2	ILMN_1656066	TNPO2	30000	0.6122	7.84E-02	0.1846	7.64E-04	0.0784	1.56E-01	-0.1868	6.62E-04	-0.1227	2.60E-02	-0.1054	5.61E-02	NO
TLN1	ILMN_1696643	TLN1	7094	0.6122	5.23E-05	0.1190	3.09E-02	0.0833	1.32E-01	0.0998	7.06E-02	0.1489	6.81E-03	0.1990	2.80E-04	NO
LLGL1	ILMN_1798212	LLGL1	3996	0.6118	5.27E-09	0.1898	5.36E-04	0.0779	1.59E-01	-0.0631	2.54E-01	-0.0073	8.96E-01	0.0362	5.13E-01	NO
SLC35C1	ILMN_1680104	SLC35C1	55343	0.6118	5.81E-16	0.1608	3.45E-03	0.1400	1.10E-02	-0.1471	7.53E-03	-0.0446	4.20E-01	-0.0357	5.18E-01	NO
LZTR1	ILMN_1805161	LZTR1	8216	0.6115	6.18E-07	0.1707	1.89E-03	0.1139	3.90E-02	-0.0703	2.03E-01	0.0099	8.58E-01	0.0406	4.63E-01	NO
TRIM28	ILMN_1736575	TRIM28	10155	0.6115	8.03E-12	0.1018	6.51E-02	0.0172	7.56E-01	-0.1176	3.30E-02	-0.0987	7.37E-02	-0.0887	1.08E-01	NO
APLP2	ILMN_1710482	APLP2	334	0.6112	7.91E-01	0.1703	1.94E-03	0.0715	1.96E-01	-0.1735	1.58E-03	-0.1149	3.73E-02	-0.0991	7.27E-02	NO
URM1	ILMN_1774196	URM1	81605	0.6109	9.07E-05	0.1554	4.73E-03	0.0040	9.43E-01	0.0972	7.82E-02	0.0937	8.97E-02	0.1662	2.50E-03	NO
BANF1	ILMN_2179837	BANF1	8815	0.6108	5.90E-03	0.1357	1.37E-02	0.0754	1.73E-01	-0.1339	1.51E-02	-0.0753	1.73E-01	-0.0642	2.46E-01	NO
PIGT	ILMN_1738759	PIGT	51604	0.6107	8.32E-10	0.1959	3.50E-04	0.0975	7.74E-02	-0.0994	7.17E-02	-0.0283	6.10E-01	0.0076	8.90E-01	NO
GLG1	ILMN_1772261	GLG1	2734	0.6106	1.51E-01	0.1780	1.19E-03	0.1331	1.57E-02	-0.0223	6.87E-01	0.0677	2.21E-01	0.1079	5.06E-02	NO
SLC35C2	ILMN_1754235	SLC35C2	51006	0.6103	5.26E-10	0.1882	5.99E-04	-0.0084	8.79E-01	-0.0529	3.39E-01	-0.0552	3.19E-01	0.0008	9.88E-01	NO
OCEL1	ILMN_1757388	OCEL1	79629	0.6103	4.50E-28	0.0841	1.28E-01	0.1267	2.15E-02	-0.0619	2.63E-01	0.0263	6.35E-01	0.0270	6.26E-01	NO
TUBB	ILMN_2101885	TUBB	203068	0.6102	3.26E-01	0.1331	1.57E-02	0.0190	7.32E-01	0.0035	9.50E-01	0.0159	7.74E-01	0.0603	2.76E-01	NO
GTPBP3	ILMN_1748894	GTPBP3	84705	0.6094	7.60E-01	0.1254	2.29E-02	0.0463	4.02E-01	0.0476	3.89E-01	0.0754	1.72E-01	0.1223	2.66E-02	NO
NUP62	ILMN_1738681	NUP62	23636	0.6091	2.09E-11	0.1292	1.91E-02	0.0688	2.13E-01	0.1012	6.67E-02	0.1406	1.07E-02	0.1964	3.39E-04	NO
XRCC6	ILMN_1743097	XRCC6	2547	0.6086	5.26E-02	0.1154	3.65E-02	0.1269	2.13E-02	0.0807	1.44E-01	0.1600	3.62E-03	0.1995	2.72E-04	NO
UBE2Z	ILMN_1783771	UBE2Z	65264	0.6081	1.60E-17	0.1469	7.61E-03	0.1221	2.68E-02	-0.0227	6.82E-01	0.0600	2.78E-01	0.0908	1.00E-01	NO
STK25	ILMN_1668090	STK25	10494	0.6078	1.48E-10	0.1177	3.29E-02	0.1059	5.50E-02	0.0395	4.76E-01	0.1074	5.16E-02	0.1423	9.74E-03	NO
XAB2	ILMN_1771057	XAB2	56949	0.6077	1.77E-27	0.1271	2.11E-02	0.0782	1.57E-01	0.0656	2.36E-01	0.1134	3.98E-02	0.1603	3.55E-03	NO
PHKA2	ILMN_1814074	PHKA2	5256	0.6070	9.93E-02	0.1048	5.76E-02	0.1167	3.43E-02	0.1336	1.53E-02	0.2028	2.13E-04	0.2503	4.29E-06	NO

SGSM2	ILMN_1779171	SGSM2	9905	0.6068	5.30E-01	0.1564	4.45E-03	0.0783	1.57E-01	-0.0151	7.85E-01	0.0379	4.93E-01	0.0791	1.52E-01	NO
GRN	ILMN_1811702	GRN	2896	0.6067	9.69E-01	0.1511	6.04E-03	0.0944	8.74E-02	-0.0226	6.84E-01	0.0417	4.51E-01	0.0775	1.61E-01	NO
SEPN1	ILMN_1760890	SEPN1	57190	0.6066	8.08E-06	0.1405	1.07E-02	0.0913	9.84E-02	-0.0282	6.10E-01	0.0343	5.35E-01	0.0657	2.34E-01	NO
SH3BP1	ILMN_1692539	SH3BP1	23616	0.6064	2.09E-16	0.1332	1.56E-02	0.0723	1.91E-01	0.0452	4.14E-01	0.0904	1.02E-01	0.1362	1.34E-02	NO
ILK	ILMN_2364376	ILK	3611	0.6064	1.73E-03	0.1710	1.85E-03	0.0741	1.80E-01	-0.1070	5.24E-02	-0.0509	3.57E-01	-0.0222	6.89E-01	NO
ADAR	ILMN_1776777	ADAR	103	0.6059	1.27E-07	0.1659	2.54E-03	0.0461	4.05E-01	0.0674	2.23E-01	0.0938	8.95E-02	0.1586	3.93E-03	NO
ACO1	ILMN_1750800	ACO1	48	0.6059	5.47E-10	0.1693	2.06E-03	0.1339	1.51E-02	-0.0202	7.15E-01	0.0702	2.04E-01	0.1077	5.11E-02	NO
ZNF598	ILMN_2075818	ZNF598	90850	0.6056	3.38E-02	0.0956	8.33E-02	0.1101	4.60E-02	-0.1892	5.61E-04	-0.1039	5.97E-02	-0.1221	2.68E-02	NO
MRPS2	ILMN_1815043	MRPS2	51116	0.6055	8.69E-08	0.1115	4.33E-02	0.1320	1.66E-02	-0.0433	4.34E-01	0.0473	3.93E-01	0.0604	2.74E-01	NO
INTS9	ILMN_1777118	INTS9	55756	0.6054	2.66E-02	0.1625	3.12E-03	0.0979	7.63E-02	-0.0509	3.57E-01	0.0174	7.53E-01	0.0512	3.55E-01	NO
ASPSCR1	ILMN_1660749	ASPSCR1	79058	0.6053	1.80E-01	0.1582	4.02E-03	0.1513	5.96E-03	0.0822	1.37E-01	0.1777	1.21E-03	0.2292	2.71E-05	NO
CD7	ILMN_1792538	CD7	924	0.6050	4.84E-02	0.1245	2.39E-02	-0.0230	6.77E-01	0.0603	2.76E-01	0.0411	4.57E-01	0.0991	7.26E-02	NO
PABPC4	ILMN_1757343	PABPC4	8761	0.6050	2.76E-01	0.1493	6.66E-03	0.1748	1.46E-03	-0.0551	3.19E-01	0.0647	2.42E-01	0.0832	1.32E-01	NO
ACD	ILMN_1716480	ACD	65057	0.6046	1.61E-02	0.1533	5.31E-03	-0.0348	5.29E-01	0.0442	4.25E-01	0.0182	7.42E-01	0.0845	1.26E-01	NO
KDELR1	ILMN_2130411	KDELR1	10945	0.6044	4.11E-02	0.1601	3.60E-03	0.0629	2.55E-01	-0.0472	3.93E-01	-0.0024	9.66E-01	0.0358	5.18E-01	NO
PPP1R13B	ILMN_1748831	PPP1R13B	23368	0.6043	3.08E-03	0.1783	1.16E-03	0.0992	7.22E-02	-0.0310	5.75E-01	0.0369	5.04E-01	0.0799	1.48E-01	NO
PLA2G4B	ILMN_1697629	PLA2G4B	8681	0.6038	6.10E-12	0.1162	3.52E-02	0.0603	2.76E-01	-0.1371	1.28E-02	-0.0883	1.10E-01	-0.0827	1.34E-01	NO
SNX17	ILMN_1732810	SNX17	9784	0.6038	2.78E-20	0.1779	1.20E-03	0.0856	1.21E-01	-0.1158	3.57E-02	-0.0515	3.52E-01	-0.0236	6.70E-01	NO
CLK2	ILMN_1787109	CLK2	1196	0.6038	2.90E-01	0.1485	6.98E-03	0.0477	3.89E-01	0.0088	8.73E-01	0.0400	4.70E-01	0.0871	1.15E-01	NO
XRCC6	ILMN_2166506	XRCC6	2547	0.6032	7.82E-28	0.1522	5.66E-03	0.1157	3.59E-02	-0.1765	1.31E-03	-0.0883	1.10E-01	-0.0850	1.24E-01	NO
GPS1	ILMN_1795876	GPS1	2873	0.6032	8.30E-03	0.1958	3.54E-04	0.1678	2.26E-03	-0.1497	6.52E-03	-0.0286	6.06E-01	-0.0116	8.33E-01	NO
IFNAR2	ILMN_1791057	IFNAR2	3455	0.6031	3.42E-01	0.0699	2.06E-01	0.1208	2.84E-02	0.1025	6.33E-02	0.1764	1.32E-03	0.2052	1.79E-04	NO
P4HB	ILMN_1719303	P4HB	5034	0.6026	9.87E-01	0.1604	3.52E-03	0.1026	6.30E-02	-0.0534	3.34E-01	0.0182	7.42E-01	0.0502	3.64E-01	NO
AARS	ILMN_1662364	AARS	16	0.6024	2.27E-06	0.1016	6.57E-02	0.1318	1.68E-02	-0.0206	7.10E-01	0.0684	2.16E-01	0.0826	1.35E-01	NO
CPNE1	ILMN_2307025	CPNE1	8904	0.6021	2.00E-05	0.1628	3.06E-03	0.0130	8.14E-01	0.0582	2.92E-01	0.0632	2.53E-01	0.1294	1.88E-02	NO
EXOC3	ILMN_1789419	EXOC3	11336	0.6021	1.02E-01	0.2142	8.97E-05	-0.0047	9.32E-01	0.0462	4.03E-01	0.0402	4.68E-01	0.1242	2.43E-02	NO
PKM2	ILMN_1775327	PKM2	5315	0.6012	3.01E-04	0.1745	1.49E-03	0.0552	3.18E-01	0.0327	5.54E-01	0.0674	2.23E-01	0.1272	2.10E-02	NO
AHCYL1	ILMN_1770412	AHCYL1	10768	0.6012	1.82E-04	0.1435	9.14E-03	0.1482	7.09E-03	0.0491	3.74E-01	0.1446	8.62E-03	0.1849	7.50E-04	NO
LUZP1	ILMN_1714159	LUZP1	7798	0.6011	1.44E-01	0.1171	3.37E-02	0.0773	1.62E-01	0.0146	7.92E-01	0.0651	2.39E-01	0.0986	7.41E-02	NO
EIF4G1	ILMN_2370772	EIF4G1	1981	0.6010	4.01E-01	0.2051	1.80E-04	0.0810	1.43E-01	-0.0926	9.36E-02	-0.0328	5.53E-01	0.0097	8.61E-01	NO
PARVG	ILMN_1695851	PARVG	64098	0.6006	7.72E-13	0.0910	9.95E-02	0.1061	5.46E-02	0.0665	2.29E-01	0.1329	1.59E-02	0.1638	2.88E-03	NO
RNASEH1	ILMN_1726783	RNASEH1	246243	0.6004	8.06E-01	0.0966	8.01E-02	0.1295	1.88E-02	-0.1476	7.33E-03	-0.0521	3.46E-01	-0.0642	2.46E-01	NO
PCNXL3	ILMN_1783350	PCNXL3	399909	0.6004	7.31E-11	0.1488	6.84E-03	0.1454	8.28E-03	-0.0921	9.54E-02	0.0104	8.50E-01	0.0253	6.48E-01	NO
ILVBL	ILMN_1769451	ILVBL	10994	0.6001	1.50E-11	0.1759	1.36E-03	0.1025	6.34E-02	-0.0750	1.75E-01	-0.0020	9.71E-01	0.0310	5.75E-01	NO
CXXC1	ILMN_1691276	CXXC1	30827	0.6000	6.56E-02	0.1175	3.31E-02	0.0752	1.74E-01	-0.0370	5.04E-01	0.0154	7.81E-01	0.0392	4.79E-01	NO
ATPBD1B	ILMN_1721741	ATPBD1B	54707	0.5997	2.96E-01	0.1199	2.96E-02	0.1043	5.89E-02	-0.0181	7.43E-01	0.0524	3.43E-01	0.0770	1.63E-01	NO
ATP13A2	ILMN_1704164	ATP13A2	23400	0.5997	4.34E-01	0.1685	2.17E-03	0.1045	5.83E-02	-0.0890	1.07E-01	-0.0139	8.02E-01	0.0136	8.05E-01	NO
ARAF	ILMN_1658883	ARAF	369	0.5994	6.90E-01	0.1398	1.11E-02	0.0134	8.08E-01	0.0611	2.69E-01	0.0662	2.31E-01	0.1249	2.34E-02	NO
PRCC	ILMN_1802843	PRCC	5546	0.5993	8.64E-15	0.1161	3.53E-02	0.0805	1.45E-01	-0.1068	5.30E-02	-0.0465	4.01E-01	-0.0375	4.98E-01	NO
ALG3	ILMN_1711886	ALG3	10195	0.5993	2.49E-06	0.0994	7.19E-02	0.0008	9.88E-01	-0.0570	3.03E-01	-0.0528	3.40E-01	-0.0296	5.93E-01	NO
RPL10L	ILMN_1737709	RPL10L	140801	0.5993	7.74E-01	0.1430	9.41E-03	0.0534	3.34E-01	-0.0281	6.12E-01	0.0093	8.67E-01	0.0465	4.01E-01	NO
ITPKB	ILMN_1700432	ITPKB	3707	0.5993	2.28E-01	0.1798	1.05E-03	0.0533	3.35E-01	-0.0309	5.77E-01	0.0065	9.06E-01	0.0560	3.11E-01	NO
C11ORF68	ILMN_1757847	C11orf68	83638	0.5988	9.39E-01	0.1410	1.05E-02	0.0964	8.09E-02	-0.0031	9.55E-01	0.0612	2.69E-01	0.0970	7.88E-02	NO
AP1M1	ILMN_1754738	AP1M1	8907	0.5988	1.69E-16	0.1570	4.31E-03	0.0713	1.97E-01	-0.0655	2.36E-01	-0.0140	8.01E-01	0.0185	7.39E-01	NO
GPAA1	ILMN_1769702	GPAA1	8733	0.5987	6.09E-05	0.1353	1.41E-02	0.0707	2.01E-01	0.0021	9.70E-01	0.0490	3.76E-01	0.0872	1.14E-01	NO
CHD4	ILMN_1658411	CHD4	1108	0.5985	1.30E-01	0.1639	2.87E-03	0.0855	1.22E-01	-0.1302	1.81E-02	-0.0651	2.39E-01	-0.0448	4.18E-01	NO

SRC	ILMN_1729987	SRC	6714	0.5983	8.81E-01	0.1825	8.82E-04	0.0361	5.14E-01	-0.0750	1.75E-01	-0.0462	4.04E-01	-0.0022	9.68E-01	NO
PLOD3	ILMN_1774836	PLOD3	8985	0.5981	1.96E-09	0.1521	5.71E-03	-0.0102	8.54E-01	0.2133	9.65E-05	0.1930	4.30E-04	0.2889	9.58E-08	NO
SRP68	ILMN_1703524	SRP68	6730	0.5969	8.84E-05	0.1356	1.38E-02	0.0142	7.97E-01	0.1250	2.34E-02	0.1265	2.17E-02	0.1962	3.43E-04	NO
IL2RG	ILMN_1794386	IL2RG	3561	0.5967	1.47E-14	0.1280	2.02E-02	0.1406	1.07E-02	-0.1009	6.76E-02	-0.0009	9.86E-01	0.0055	9.20E-01	NO
CTNS	ILMN_1807719	CTNS	1497	0.5965	2.03E-03	0.1672	2.35E-03	0.0022	9.68E-01	0.0843	1.27E-01	0.0804	1.46E-01	0.1546	4.93E-03	NO
PITPNM1	ILMN_1653220	PITPNM1	9600	0.5964	1.11E-01	0.2070	1.56E-04	0.0373	5.00E-01	0.0319	5.65E-01	0.0547	3.23E-01	0.1279	2.03E-02	NO
HIPK2	ILMN_1687440	HIPK2	28996	0.5961	1.11E-24	0.1676	2.29E-03	0.0867	1.16E-01	-0.0529	3.39E-01	0.0082	8.82E-01	0.0448	4.18E-01	NO
ARHGEF1	ILMN_1772370	ARHGEF1	9138	0.5960	1.48E-03	0.1769	1.27E-03	0.1098	4.66E-02	-0.1244	2.41E-02	-0.0434	4.32E-01	-0.0206	7.10E-01	NO
VPS18	ILMN_1721575	VPS18	57617	0.5960	2.25E-02	0.1465	7.76E-03	0.0117	8.33E-01	-0.0113	8.39E-01	-0.0028	9.60E-01	0.0443	4.23E-01	NO
G6PC3	ILMN_2127477	G6PC3	92579	0.5958	5.59E-01	0.1928	4.37E-04	0.0161	7.71E-01	-0.1337	1.52E-02	-0.1145	3.78E-02	-0.0760	1.69E-01	NO
GLT25D1	ILMN_1727043	GLT25D1	79709	0.5955	1.15E-11	0.1332	1.57E-02	0.1641	2.84E-03	0.1411	1.04E-02	0.2412	9.66E-06	0.2940	5.57E-08	NO
NFAT5	ILMN_1797594	NFAT5	10725	0.5953	9.78E-02	0.1834	8.32E-04	0.0790	1.53E-01	-0.1800	1.04E-03	-0.1160	3.54E-02	-0.0979	7.61E-02	NO
TIMM22	ILMN_1706959	TIMM22	29928	0.5948	5.11E-01	0.1690	2.10E-03	0.0982	7.52E-02	-0.0483	3.82E-01	0.0201	7.16E-01	0.0566	3.06E-01	NO
PAFAH1B3	ILMN_1748093	PAFAH1B3	5050	0.5945	3.10E-12	0.2134	9.54E-05	0.0406	4.63E-01	-0.1273	2.09E-02	-0.0922	9.49E-02	-0.0484	3.82E-01	NO
RPUSD3	ILMN_1795383	RPUSD3	285367	0.5943	9.87E-08	0.1078	5.06E-02	0.2359	1.53E-05	-0.1754	1.40E-03	-0.0073	8.95E-01	-0.0347	5.30E-01	NO
DBNL	ILMN_1698307	DBNL	28988	0.5942	9.70E-01	0.1074	5.16E-02	0.1112	4.38E-02	-0.0018	9.74E-01	0.0723	1.91E-01	0.0949	8.58E-02	NO
PTPN1	ILMN_1681591	PTPN1	5770	0.5941	5.67E-01	0.1288	1.94E-02	0.1445	8.68E-03	-0.0409	4.59E-01	0.0578	2.96E-01	0.0758	1.70E-01	NO
SF3B2	ILMN_1775939	SF3B2	10992	0.5935	1.13E-01	0.1089	4.84E-02	0.1341	1.50E-02	0.0537	3.32E-01	0.1394	1.13E-02	0.1705	1.92E-03	NO
ORAI1	ILMN_1724148	ORAI1	84876	0.5933	2.88E-01	0.1552	4.78E-03	0.0949	8.57E-02	0.0494	3.72E-01	0.1094	4.74E-02	0.1607	3.47E-03	NO
MXD4	ILMN_1756541	MXD4	10608	0.5929	2.70E-04	0.2021	2.25E-04	0.0672	2.24E-01	-0.1422	9.78E-03	-0.0885	1.09E-01	-0.0550	3.20E-01	NO
GTF2H4	ILMN_1800308	GTF2H4	2968	0.5923	2.54E-20	0.1512	5.99E-03	0.1223	2.65E-02	-0.0960	8.21E-02	-0.0085	8.78E-01	0.0093	8.66E-01	NO
ZC3H3	ILMN_1702389	ZC3H3	23144	0.5918	7.83E-09	0.0633	2.52E-01	0.1467	7.70E-03	0.0566	3.06E-01	0.1506	6.21E-03	0.1647	2.73E-03	NO
DGCR8	ILMN_1694223	DGCR8	54487	0.5916	2.39E-01	0.1412	1.04E-02	0.1179	3.26E-02	-0.0128	8.17E-01	0.0664	2.30E-01	0.0977	7.68E-02	NO
SF3B3	ILMN_1803110	SF3B3	23450	0.5912	3.31E-03	0.1999	2.64E-04	0.0804	1.46E-01	-0.1039	5.97E-02	-0.0439	4.28E-01	-0.0053	9.24E-01	NO
FBNP1	ILMN_1797342	FBNP1	23048	0.5910	8.69E-01	0.1915	4.78E-04	0.0525	3.42E-01	-0.1328	1.59E-02	-0.0895	1.05E-01	-0.0558	3.13E-01	NO
TMEM160	ILMN_1704024	TMEM160	54958	0.5905	5.62E-14	0.1023	6.37E-02	0.0468	3.97E-01	-0.0456	4.10E-01	-0.0116	8.35E-01	0.0090	8.71E-01	NO
HNRNPUL2	ILMN_2072091	HNRNPUL2	221092	0.5904	1.18E-02	0.1608	3.46E-03	0.0615	2.66E-01	0.0111	8.40E-01	0.0513	3.53E-01	0.1014	6.63E-02	NO
EXOSC10	ILMN_1670796	EXOSC10	5394	0.5904	3.51E-13	0.1294	1.89E-02	0.0311	5.74E-01	-0.1197	3.00E-02	-0.0914	9.79E-02	-0.0740	1.81E-01	NO
GLTSCR1	ILMN_1782829	GLTSCR1	29998	0.5892	2.71E-22	0.1686	2.15E-03	0.0964	8.10E-02	-0.1534	5.31E-03	-0.0795	1.50E-01	-0.0635	2.50E-01	NO
CNOT3	ILMN_2207393	CNOT3	4849	0.5883	7.25E-03	0.1563	4.49E-03	0.0287	6.04E-01	0.1005	6.86E-02	0.1133	4.01E-02	0.1835	8.26E-04	NO
PTPN6	ILMN_1738675	PTPN6	5777	0.5882	7.51E-01	0.2095	1.29E-04	0.0312	5.72E-01	-0.1489	6.81E-03	-0.1187	3.14E-02	-0.0792	1.52E-01	NO
PLEC1	ILMN_1744268	PLEC1	5339	0.5876	3.48E-21	0.1846	7.67E-04	0.0879	1.11E-01	0.0897	1.04E-01	0.1425	9.64E-03	0.2128	1.00E-04	NO
MYH9	ILMN_1722872	MYH9	4627	0.5875	1.02E-16	0.1531	5.40E-03	0.0710	1.99E-01	0.0701	2.05E-01	0.1128	4.08E-02	0.1705	1.91E-03	NO
MYST3	ILMN_2095840	MYST3	7994	0.5872	3.77E-04	0.1960	3.48E-04	0.0484	3.82E-01	-0.1316	1.70E-02	-0.0910	9.92E-02	-0.0551	3.19E-01	NO
NCOR2	ILMN_2340052	NCOR2	9612	0.5869	7.24E-01	0.0814	1.41E-01	0.0736	1.83E-01	0.2130	9.90E-05	0.2484	5.10E-06	0.3090	1.04E-08	NO
TIAF1	ILMN_2055634	TIAF1	9220	0.5866	2.50E-01	0.1248	2.36E-02	0.0715	1.96E-01	0.0985	7.44E-02	0.1398	1.11E-02	0.1932	4.25E-04	NO
TSPAN18	ILMN_1699980	TSPAN18	90139	0.5862	1.29E-17	0.1206	2.87E-02	0.0849	1.24E-01	-0.0384	4.87E-01	0.0205	7.11E-01	0.0438	4.28E-01	NO
PIK4CA	ILMN_1655177	PIK4CA	5297	0.5862	2.48E-13	0.1124	4.16E-02	0.1275	2.07E-02	0.0554	3.16E-01	0.1368	1.30E-02	0.1702	1.95E-03	NO
ACTR1A	ILMN_1792314	ACTR1A	10121	0.5855	1.88E-11	0.0890	1.07E-01	0.1957	3.56E-04	0.1190	3.10E-02	0.2416	9.36E-06	0.2706	6.27E-07	NO
GMPPA	ILMN_1804476	GMPPA	29926	0.5855	5.61E-02	0.2149	8.55E-05	0.1441	8.85E-03	-0.1734	1.59E-03	-0.0665	2.29E-01	-0.0446	4.20E-01	NO
NUMA1	ILMN_2160005	NUMA1	4926	0.5849	3.25E-01	0.1790	1.11E-03	0.0924	9.45E-02	-0.0249	6.52E-01	0.0381	4.91E-01	0.0834	1.31E-01	NO
MAP3K7IP1	ILMN_1709114	MAP3K7IP1	10454	0.5842	4.07E-02	0.1969	3.26E-04	0.0854	1.22E-01	-0.0524	3.43E-01	0.0077	8.89E-01	0.0548	3.22E-01	NO
HNRPUL1	ILMN_1690268	HNRPUL1	11100	0.5839	8.87E-10	0.1501	6.37E-03	0.0159	7.74E-01	-0.0488	3.77E-01	-0.0351	5.25E-01	0.0053	9.24E-01	NO
ARHGEF1	ILMN_2405129	ARHGEF1	9138	0.5838	1.26E-15	0.1833	8.37E-04	0.0429	4.38E-01	-0.0487	3.79E-01	-0.0171	7.58E-01	0.0314	5.70E-01	NO
ARFGAP1	ILMN_1675709	ARFGAP1	55738	0.5837	3.68E-04	0.1362	1.34E-02	0.0458	4.08E-01	0.0630	2.55E-01	0.0894	1.05E-01	0.1431	9.32E-03	NO
SDHA	ILMN_1744210	SDHA	6389	0.5835	2.69E-05	0.1533	5.34E-03	0.0124	8.22E-01	-0.0633	2.52E-01	-0.0511	3.56E-01	-0.0119	8.29E-01	NO

FAM102A	ILMN_2401779	FAM102A	399665	0.5827	5.18E-07	0.1785	1.14E-03	0.1002	6.95E-02	0.0184	7.39E-01	0.0839	1.29E-01	0.1365	1.32E-02	NO
FYN	ILMN_2249920	FYN	2534	0.5825	1.25E-11	0.1197	3.00E-02	0.0820	1.38E-01	0.0398	4.72E-01	0.0918	9.65E-02	0.1305	1.78E-02	NO
DNAH1	ILMN_1685052	DNAH1	25981	0.5820	4.44E-02	0.1311	1.73E-02	0.0502	3.64E-01	0.1036	6.04E-02	0.1304	1.79E-02	0.1898	5.39E-04	NO
DNMT1	ILMN_1760201	DNMT1	1786	0.5818	1.78E-43	0.1262	2.20E-02	0.1109	4.45E-02	0.0368	5.06E-01	0.1082	5.00E-02	0.1449	8.50E-03	NO
CYBASC3	ILMN_2129505	CYBASC3	220002	0.5817	1.97E-02	0.1411	1.04E-02	0.0896	1.05E-01	-0.0527	3.41E-01	0.0103	8.53E-01	0.0373	5.00E-01	NO
LY9	ILMN_1812278	LY9	4063	0.5816	7.59E-06	0.2449	7.00E-06	0.0618	2.64E-01	-0.0461	4.05E-01	-0.0020	9.71E-01	0.0659	2.33E-01	NO
NAGPA	ILMN_1675266	NAGPA	51172	0.5806	4.17E-07	0.0726	1.89E-01	0.1537	5.22E-03	0.1327	1.60E-02	0.2265	3.37E-05	0.2579	2.13E-06	NO
INPP5D	ILMN_1744212	INPP5D	3635	0.5801	1.21E-22	0.1278	2.04E-02	0.0999	7.03E-02	-0.0865	1.17E-01	-0.0145	7.93E-01	0.0000	9.99E-01	NO
NPAT	ILMN_2120965	NPAT	4863	0.5800	9.87E-01	0.1382	1.21E-02	-0.0275	6.19E-01	0.0546	3.23E-01	0.0328	5.53E-01	0.0950	8.52E-02	NO
SF3A2	ILMN_1754220	SF3A2	8175	0.5799	6.85E-01	0.1685	2.17E-03	0.0363	5.12E-01	0.2026	2.17E-04	0.2138	9.26E-05	0.3073	1.26E-08	NO
DHX30	ILMN_1795218	DHX30	22907	0.5797	9.56E-01	0.1714	1.81E-03	-0.0255	6.45E-01	0.0714	1.97E-01	0.0499	3.67E-01	0.1266	2.16E-02	NO
TBRG4	ILMN_2414848	TBRG4	9238	0.5790	1.16E-04	0.1505	6.23E-03	0.0830	1.33E-01	-0.1124	4.16E-02	-0.0500	3.66E-01	-0.0306	5.81E-01	NO
HEATR2	ILMN_1732537	HEATR2	54919	0.5786	2.01E-01	0.1650	2.68E-03	0.0724	1.90E-01	-0.0549	3.21E-01	-0.0033	9.52E-01	0.0338	5.41E-01	NO
TRRAP	ILMN_1660368	TRRAP	8295	0.5784	7.32E-03	0.2104	1.20E-04	-0.0041	9.41E-01	-0.1257	2.26E-02	-0.1204	2.90E-02	-0.0715	1.96E-01	NO
CD3E	ILMN_1739794	CD3E	916	0.5783	1.71E-06	0.1481	7.12E-03	0.1162	3.51E-02	-0.0692	2.10E-01	0.0125	8.22E-01	0.0353	5.24E-01	NO
ZMAT3	ILMN_1654262	ZMAT3	64393	0.5783	5.30E-03	0.0938	8.93E-02	0.0935	9.04E-02	-0.0457	4.09E-01	0.0194	7.26E-01	0.0309	5.76E-01	NO
SERTAD1	ILMN_1794017	SERTAD1	29950	0.5773	3.15E-03	0.1756	1.38E-03	0.0617	2.64E-01	-0.0401	4.68E-01	0.0035	9.50E-01	0.0486	3.80E-01	NO
ITGB2	ILMN_1654396	ITGB2	3689	0.5769	8.88E-03	0.0910	9.95E-02	0.1119	4.26E-02	-0.0906	1.01E-01	-0.0104	8.51E-01	-0.0110	8.42E-01	NO
ATP6V0E2	ILMN_1785095	ATP6V0E2	155066	0.5768	9.33E-01	0.1599	3.63E-03	0.0606	2.73E-01	-0.1442	8.79E-03	-0.0947	8.62E-02	-0.0754	1.73E-01	NO
FAM39E	ILMN_1655952	FAM39E	375690	0.5766	5.37E-02	0.1915	4.78E-04	0.0457	4.09E-01	0.1210	2.83E-02	0.1437	9.06E-03	0.2279	3.00E-05	NO
MLEC	ILMN_1657495	MLEC	9761	0.5766	1.12E-04	0.1655	2.60E-03	0.0395	4.75E-01	-0.0389	4.82E-01	-0.0101	8.55E-01	0.0345	5.32E-01	NO
SAMM50	ILMN_1671932	SAMM50	25813	0.5766	4.25E-17	0.1130	4.05E-02	0.1446	8.62E-03	0.0104	8.51E-01	0.1060	5.48E-02	0.1286	1.97E-02	NO
BRPF1	ILMN_2365549	BRPF1	7862	0.5766	5.49E-43	0.1666	2.43E-03	0.1821	9.06E-04	-0.0777	1.60E-01	0.0484	3.81E-01	0.0675	2.22E-01	NO
TAZ	ILMN_1707791	TAZ	6901	0.5765	1.04E-04	0.1930	4.30E-04	0.0337	5.42E-01	-0.0504	3.62E-01	-0.0247	6.55E-01	0.0280	6.13E-01	NO
MAPK7	ILMN_1709623	MAPK7	5598	0.5763	1.75E-23	0.1941	3.99E-04	0.0964	8.08E-02	0.0706	2.01E-01	0.1303	1.81E-02	0.1990	2.81E-04	NO
MAGED1	ILMN_1775522	MAGED1	9500	0.5762	3.72E-13	0.1034	6.11E-02	0.0584	2.91E-01	-0.0111	8.41E-01	0.0285	6.07E-01	0.0546	3.23E-01	NO
NCOR1	ILMN_2186369	NCOR1	9611	0.5760	3.63E-14	0.1260	2.23E-02	0.0526	3.41E-01	-0.0182	7.42E-01	0.0179	7.46E-01	0.0513	3.54E-01	NO
KCTD13	ILMN_1786843	KCTD13	253980	0.5757	4.01E-01	0.2179	6.75E-05	0.0590	2.86E-01	-0.0709	2.00E-01	-0.0271	6.24E-01	0.0270	6.26E-01	NO
CDK4	ILMN_1689001	CDK4	1019	0.5755	7.96E-03	0.2242	4.08E-05	0.0788	1.54E-01	0.0798	1.49E-01	0.1271	2.11E-02	0.2104	1.21E-04	NO
PTCD1	ILMN_2225709	PTCD1	26024	0.5752	1.00E-03	0.1021	6.44E-02	0.1511	6.02E-03	-0.0237	6.69E-01	0.0784	1.56E-01	0.0896	1.05E-01	NO
SLC3A2	ILMN_1726456	SLC3A2	6520	0.5750	8.59E-03	0.1665	2.44E-03	0.1178	3.27E-02	-0.0062	9.10E-01	0.0725	1.90E-01	0.1139	3.90E-02	NO
SF1	ILMN_1712560	SF1	7536	0.5750	2.09E-08	0.1803	1.02E-03	0.1584	3.97E-03	-0.0756	1.72E-01	0.0346	5.32E-01	0.0619	2.63E-01	NO
MFSD5	ILMN_1702065	MFSD5	84975	0.5748	9.52E-05	0.1122	4.21E-02	0.0655	2.36E-01	0.0548	3.21E-01	0.0949	8.56E-02	0.1361	1.35E-02	NO
EVI5L	ILMN_1747281	EVI5L	115704	0.5747	8.79E-05	0.0742	1.80E-01	0.1149	3.72E-02	0.0544	3.26E-01	0.1274	2.09E-02	0.1489	6.81E-03	NO
H1FX	ILMN_1773964	H1FX	8971	0.5745	2.10E-02	0.1406	1.07E-02	0.0702	2.04E-01	0.0997	7.08E-02	0.1401	1.10E-02	0.1994	2.73E-04	NO
AP3D1	ILMN_2390114	AP3D1	8943	0.5742	6.98E-03	0.1978	3.07E-04	0.0600	2.78E-01	-0.0681	2.18E-01	-0.0239	6.66E-01	0.0236	6.69E-01	NO
CTAGE5	ILMN_1690880	CTAGE5	4253	0.5741	8.56E-01	0.0563	3.09E-01	0.0709	2.00E-01	-0.0279	6.14E-01	0.0210	7.04E-01	0.0260	6.39E-01	NO
INPPL1	ILMN_1728426	INPPL1	3636	0.5740	1.07E-01	0.1306	1.78E-02	0.0669	2.26E-01	-0.1369	1.29E-02	-0.0837	1.30E-01	-0.0739	1.81E-01	NO
LOC400455	ILMN_1754865	LOC400455	400455	0.5738	5.46E-07	0.1575	4.19E-03	0.0808	1.44E-01	-0.0337	5.43E-01	0.0222	6.88E-01	0.0598	2.79E-01	NO
USP21	ILMN_1780887	USP21	27005	0.5736	1.97E-01	0.1665	2.45E-03	0.0524	3.44E-01	-0.0939	8.89E-02	-0.0531	3.37E-01	-0.0206	7.10E-01	NO
ST6GALNAC6	ILMN_1691736	ST6GALNAC6	30815	0.5735	1.67E-08	0.0941	8.85E-02	0.1981	3.00E-04	0.0513	3.54E-01	0.1798	1.05E-03	0.1970	3.24E-04	NO
HYOU1	ILMN_1673649	HYOU1	10525	0.5733	3.19E-01	0.1719	1.75E-03	0.0196	7.23E-01	-0.1445	8.68E-03	-0.1223	2.66E-02	-0.0935	9.04E-02	NO
USP5	ILMN_1671494	USP5	8078	0.5729	7.39E-09	0.1584	3.98E-03	0.1166	3.44E-02	0.0819	1.38E-01	0.1543	5.04E-03	0.2102	1.22E-04	NO
CY TSA	ILMN_1779185	CY TSA	23384	0.5725	7.53E-03	0.1718	1.76E-03	0.0510	3.56E-01	-0.0261	6.37E-01	0.0095	8.64E-01	0.0574	3.00E-01	NO
ATXN2L	ILMN_2271627	ATXN2L	11273	0.5724	5.55E-01	0.1422	9.81E-03	0.1141	3.86E-02	0.1486	6.92E-03	0.2151	8.41E-05	0.2788	2.73E-07	NO
LYPLA2	ILMN_1764628	LYPLA2	11313	0.5723	8.87E-08	0.1742	1.51E-03	0.0528	3.39E-01	-0.0969	7.92E-02	-0.0556	3.15E-01	-0.0210	7.04E-01	NO

BCAT2	ILMN_1695110	BCAT2	587	0.5717	1.96E-18	0.1797	1.06E-03	0.0418	4.50E-01	-0.0241	6.63E-01	0.0052	9.25E-01	0.0575	2.99E-01	NO
CD14	ILMN_2396444	CD14	929	0.5715	1.44E-17	0.1142	3.84E-02	0.0561	3.10E-01	-0.0313	5.71E-01	0.0080	8.86E-01	0.0342	5.37E-01	NO
EMP3	ILMN_1765446	EMP3	2014	0.5714	5.64E-02	0.1528	5.47E-03	0.0559	3.13E-01	0.0759	1.70E-01	0.1082	4.98E-02	0.1690	2.11E-03	NO
C9ORF142	ILMN_1761138	C9orf142	286257	0.5711	1.44E-02	0.1955	3.61E-04	0.1766	1.30E-03	0.0833	1.32E-01	0.1954	3.62E-04	0.2568	2.36E-06	NO
STAT1	ILMN_1777325	STAT1	6772	0.5708	2.49E-06	0.1474	7.41E-03	0.1248	2.36E-02	-0.0223	6.87E-01	0.0621	2.61E-01	0.0928	9.28E-02	NO
PIAS4	ILMN_1802905	PIAS4	51588	0.5705	7.41E-01	0.1359	1.36E-02	0.0549	3.21E-01	-0.0376	4.97E-01	0.0013	9.82E-01	0.0340	5.39E-01	NO
POU2F1	ILMN_1794333	POU2F1	5451	0.5704	2.69E-08	0.0839	1.29E-01	0.0515	3.51E-01	0.0310	5.75E-01	0.0634	2.52E-01	0.0919	9.60E-02	NO
TMEM39B	ILMN_2212714	TMEM39B	55116	0.5702	9.50E-02	0.1138	3.92E-02	0.1157	3.59E-02	-0.0036	9.48E-01	0.0736	1.83E-01	0.0974	7.76E-02	NO
FAM193A	ILMN_1651504	FAM193A	8603	0.5700	8.11E-05	0.1732	1.62E-03	0.0211	7.02E-01	0.0692	2.11E-01	0.0788	1.54E-01	0.1497	6.51E-03	NO
RANBP3	ILMN_2318811	RANBP3	8498	0.5697	7.32E-02	0.1039	5.97E-02	0.1213	2.78E-02	0.1122	4.19E-02	0.1858	7.06E-04	0.2283	2.92E-05	NO
KIAA1602	ILMN_1763640	KIAA1602	57701	0.5694	2.99E-19	0.0991	7.27E-02	0.1174	3.33E-02	-0.1200	2.95E-02	-0.0343	5.35E-01	-0.0386	4.85E-01	NO
KIAA0492	ILMN_1745841	KIAA0492	57238	0.5691	4.11E-03	0.1927	4.40E-04	0.0673	2.23E-01	-0.0400	4.69E-01	0.0073	8.96E-01	0.0576	2.98E-01	NO
SPATA2L	ILMN_1691111	SPATA2L	124044	0.5691	2.03E-41	0.1322	1.65E-02	0.1906	5.09E-04	-0.0770	1.64E-01	0.0547	3.23E-01	0.0609	2.71E-01	NO
RAB1B	ILMN_1664030	RAB1B	81876	0.5686	1.16E-23	0.1951	3.72E-04	0.1217	2.72E-02	-0.0374	4.98E-01	0.0459	4.06E-01	0.0906	1.01E-01	NO
NFKB1	ILMN_1714965	NFKB1	4790	0.5682	1.54E-01	0.1834	8.33E-04	0.0472	3.93E-01	-0.0260	6.39E-01	0.0071	8.98E-01	0.0595	2.82E-01	NO
ECHS1	ILMN_1718132	ECHS1	1892	0.5680	1.15E-06	0.1084	4.94E-02	0.0130	8.14E-01	-0.0685	2.15E-01	-0.0555	3.15E-01	-0.0330	5.50E-01	NO
EDC3	ILMN_1724581	EDC3	80153	0.5667	1.39E-07	0.1740	1.53E-03	0.1708	1.88E-03	-0.1303	1.80E-02	-0.0084	8.79E-01	0.0044	9.37E-01	NO
PRIC285	ILMN_1787509	PRIC285	85441	0.5664	9.24E-01	0.1209	2.83E-02	0.0719	1.94E-01	-0.0857	1.21E-01	-0.0325	5.57E-01	-0.0166	7.64E-01	NO
MRPS27	ILMN_1711414	MRPS27	23107	0.5660	1.37E-22	0.1657	2.56E-03	0.1199	2.97E-02	-0.1365	1.32E-02	-0.0481	3.85E-01	-0.0328	5.53E-01	NO
CLN3	ILMN_1669281	CLN3	1201	0.5659	1.89E-01	0.0739	1.81E-01	0.1639	2.86E-03	0.1251	2.32E-02	0.2262	3.46E-05	0.2553	2.73E-06	NO
APBA3	ILMN_1686610	APBA3	9546	0.5656	4.43E-23	0.1389	1.17E-02	0.1000	7.00E-02	-0.1524	5.60E-03	-0.0762	1.68E-01	-0.0708	2.00E-01	NO
PRPF3	ILMN_1715392	PRPF3	9129	0.5655	4.51E-01	0.1370	1.29E-02	0.1192	3.06E-02	-0.0106	8.48E-01	0.0694	2.09E-01	0.0994	7.17E-02	NO
DDX56	ILMN_1679405	DDX56	54606	0.5654	7.48E-01	0.1574	4.21E-03	0.0965	8.06E-02	-0.0565	3.07E-01	0.0113	8.39E-01	0.0423	4.44E-01	NO
AURKAIP1	ILMN_1768396	AURKAIP1	54998	0.5652	6.70E-01	0.1658	2.55E-03	0.0694	2.09E-01	-0.0814	1.40E-01	-0.0301	5.87E-01	0.0025	9.64E-01	NO
CALR	ILMN_1736256	CALR	811	0.5648	7.56E-02	0.1254	2.29E-02	0.1160	3.55E-02	-0.0382	4.90E-01	0.0414	4.54E-01	0.0624	2.59E-01	NO
KIAA2013	ILMN_1803483	KIAA2013	90231	0.5645	1.40E-04	0.1085	4.94E-02	0.0850	1.24E-01	0.0176	7.50E-01	0.0730	1.86E-01	0.1032	6.16E-02	NO
IRF7	ILMN_1798181	IRF7	3665	0.5635	2.85E-20	0.1210	2.82E-02	0.0903	1.02E-01	-0.1589	3.85E-03	-0.0888	1.08E-01	-0.0896	1.05E-01	NO
KIAA0195	ILMN_2059211	KIAA0195	9772	0.5625	9.63E-04	0.2261	3.47E-05	0.0907	1.00E-01	-0.0149	7.87E-01	0.0464	4.02E-01	0.1102	4.58E-02	NO
TTL12	ILMN_1663113	TTL12	23170	0.5625	1.98E-01	0.1351	1.42E-02	0.0173	7.55E-01	-0.0524	3.44E-01	-0.0375	4.97E-01	-0.0032	9.54E-01	NO
PNKP	ILMN_1694111	PNKP	11284	0.5623	9.50E-12	0.1335	1.54E-02	0.0803	1.46E-01	-0.0384	4.88E-01	0.0175	7.52E-01	0.0459	4.07E-01	NO
KIAA0460	ILMN_1705733	KIAA0460	23248	0.5621	9.64E-02	0.1401	1.10E-02	0.0875	1.13E-01	-0.1778	1.20E-03	-0.1083	4.97E-02	-0.1059	5.51E-02	NO
CSF1R	ILMN_1686623	CSF1R	1436	0.5613	1.66E-03	0.0724	1.90E-01	0.1055	5.58E-02	0.0812	1.41E-01	0.1463	7.87E-03	0.1737	1.56E-03	NO
GRWD1	ILMN_1742166	GRWD1	83743	0.5609	5.46E-08	0.0866	1.17E-01	0.0299	5.89E-01	0.0413	4.55E-01	0.0586	2.89E-01	0.0929	9.26E-02	NO
NPIP	ILMN_1676986	NPIP	9284	0.5606	2.43E-01	0.1958	3.52E-04	0.0482	3.84E-01	-0.2138	9.25E-05	-0.1682	2.20E-03	-0.1484	6.99E-03	NO
EIF2B4	ILMN_1687430	EIF2B4	8890	0.5605	1.40E-04	0.1066	5.33E-02	0.0956	8.32E-02	-0.0524	3.44E-01	0.0146	7.92E-01	0.0290	6.01E-01	NO
ARHGDI1	ILMN_1734742	ARHGDI1	396	0.5599	2.73E-10	0.1468	7.67E-03	0.1202	2.93E-02	-0.0621	2.61E-01	0.0218	6.93E-01	0.0451	4.15E-01	NO
GGA3	ILMN_2402972	GGA3	23163	0.5595	3.26E-28	0.0895	1.05E-01	0.1643	2.79E-03	-0.0626	2.57E-01	0.0507	3.60E-01	0.0483	3.83E-01	NO
SH2D3C	ILMN_2321648	SH2D3C	10044	0.5587	6.26E-03	0.1323	1.64E-02	0.0549	3.21E-01	0.0489	3.77E-01	0.0823	1.36E-01	0.1307	1.77E-02	NO
RABGAP1	ILMN_2061950	RABGAP1	23637	0.5585	3.46E-02	0.1466	7.74E-03	0.0863	1.18E-01	-0.0404	4.65E-01	0.0195	7.24E-01	0.0513	3.53E-01	NO
ALDOC	ILMN_1755974	ALDOC	230	0.5578	2.61E-01	0.1440	8.89E-03	0.0738	1.81E-01	-0.0528	3.39E-01	-0.0004	9.95E-01	0.0297	5.91E-01	NO
PKD1	ILMN_2339028	PKD1	5310	0.5571	8.85E-09	0.1540	5.12E-03	0.0622	2.60E-01	-0.0805	1.45E-01	-0.0340	5.38E-01	-0.0044	9.36E-01	NO
SRM	ILMN_1661337	SRM	6723	0.5556	1.61E-01	0.0993	7.22E-02	0.1347	1.45E-02	0.0369	5.05E-01	0.1242	2.43E-02	0.1484	6.99E-03	NO
ACTN4	ILMN_1725534	ACTN4	81	0.5554	4.01E-01	0.1279	2.03E-02	0.0219	6.92E-01	-0.0596	2.81E-01	-0.0413	4.56E-01	-0.0114	8.36E-01	NO
GTF3C1	ILMN_1789839	GTF3C1	2975	0.5552	7.24E-01	0.2496	4.60E-06	-0.0130	8.14E-01	-0.1544	5.01E-03	-0.1532	5.34E-03	-0.0953	8.44E-02	NO
VDAC1	ILMN_2175601	VDAC1	7416	0.5551	1.54E-01	0.1292	1.90E-02	0.0834	1.31E-01	-0.2100	1.25E-04	-0.1411	1.04E-02	-0.1482	7.07E-03	NO
MCRS1	ILMN_1784227	MCRS1	10445	0.5546	4.14E-02	0.1039	5.98E-02	0.0400	4.69E-01	0.0558	3.13E-01	0.0788	1.54E-01	0.1207	2.87E-02	NO

PPM1G	ILMN_1806867	PPM1G	5496	0.5537	6.34E-01	0.1375	1.26E-02	-0.0219	6.93E-01	-0.0743	1.79E-01	-0.0841	1.28E-01	-0.0482	3.83E-01	NO
KIAA1967	ILMN_1804789	KIAA1967	57805	0.5535	1.75E-13	0.1306	1.78E-02	0.1089	4.84E-02	-0.0769	1.64E-01	0.0005	9.93E-01	0.0167	7.64E-01	NO
PSAP	ILMN_1749109	PSAP	5660	0.5525	7.74E-04	0.0847	1.25E-01	0.0629	2.55E-01	-0.0327	5.54E-01	0.0112	8.39E-01	0.0261	6.38E-01	NO
RCC2	ILMN_1720124	RCC2	55920	0.5523	1.41E-24	0.1762	1.33E-03	0.1161	3.53E-02	-0.0744	1.78E-01	0.0075	8.92E-01	0.0391	4.80E-01	NO
NCSTN	ILMN_1735180	NCSTN	23385	0.5519	4.28E-02	0.1546	4.95E-03	0.0934	9.09E-02	-0.1074	5.16E-02	-0.0385	4.87E-01	-0.0180	7.46E-01	NO
IFI35	ILMN_1745374	IFI35	3430	0.5511	9.11E-03	0.1085	4.92E-02	0.0256	6.43E-01	0.1551	4.81E-03	0.1623	3.15E-03	0.2271	3.22E-05	NO
IMPDH2	ILMN_1705737	IMPDH2	3615	0.5503	7.65E-02	0.2014	2.37E-04	0.0099	8.59E-01	-0.1102	4.57E-02	-0.0967	8.00E-02	-0.0497	3.69E-01	NO
MRPL37	ILMN_2041327	MRPL37	51253	0.5500	5.13E-01	0.0974	7.77E-02	0.1213	2.78E-02	0.1797	1.06E-03	0.2490	4.86E-06	0.3024	2.21E-08	NO
ARS2	ILMN_2358202	ARS2	51593	0.5492	1.68E-12	0.1379	1.23E-02	0.0915	9.74E-02	-0.0370	5.03E-01	0.0262	6.36E-01	0.0550	3.20E-01	NO
LOC650029	ILMN_1778381	LOC650029	650029	0.5491	2.43E-19	0.0638	2.49E-01	0.0825	1.35E-01	0.0475	3.90E-01	0.0994	7.17E-02	0.1202	2.92E-02	NO
NDUFAF3	ILMN_2354515	NDUFAF3	25915	0.5472	4.31E-01	0.0979	7.61E-02	0.1279	2.03E-02	-0.1106	4.50E-02	-0.0185	7.38E-01	-0.0227	6.81E-01	NO
NOP14	ILMN_1750052	NOP14	8602	0.5452	5.75E-04	0.1835	8.23E-04	0.0349	5.29E-01	0.0028	9.60E-01	0.0258	6.41E-01	0.0855	1.22E-01	NO
CDK5RAP1	ILMN_1711023	CDK5RAP1	51654	0.5452	5.04E-01	0.1481	7.14E-03	0.1625	3.11E-03	-0.0189	7.33E-01	0.0904	1.02E-01	0.1171	3.37E-02	NO
UBQLN4	ILMN_1789349	UBQLN4	56893	0.5445	4.12E-07	0.1606	3.49E-03	0.0170	7.59E-01	-0.0187	7.35E-01	-0.0062	9.11E-01	0.0436	4.30E-01	NO
MNT	ILMN_1792910	MNT	4335	0.5444	6.04E-05	0.1936	4.14E-04	0.0847	1.25E-01	0.0348	5.30E-01	0.0889	1.08E-01	0.1519	5.76E-03	NO
GMEB1	ILMN_1727761	GMEB1	10691	0.5440	3.37E-01	0.1457	8.11E-03	0.0730	1.87E-01	0.0726	1.89E-01	0.1166	3.46E-02	0.1719	1.75E-03	NO
WBP2	ILMN_1788604	WBP2	23558	0.5436	9.13E-01	0.1385	1.19E-02	0.0968	7.95E-02	-0.0430	4.37E-01	0.0242	6.62E-01	0.0513	3.53E-01	NO
SMARCC2	ILMN_1773620	SMARCC2	6601	0.5435	1.03E-01	0.1552	4.77E-03	0.1649	2.69E-03	-0.0261	6.38E-01	0.0853	1.23E-01	0.1128	4.09E-02	NO
JUND	ILMN_1810214	JUND	3727	0.5431	2.65E-18	0.1335	1.54E-02	0.1459	8.05E-03	-0.0301	5.86E-01	0.0689	2.13E-01	0.0905	1.01E-01	NO
LOC642755	ILMN_1655244	LOC642755	642755	0.5430	3.84E-09	0.1012	6.67E-02	0.0462	4.03E-01	0.1718	1.76E-03	0.1917	4.72E-04	0.2545	2.92E-06	NO
PSME3	ILMN_1800975	PSME3	10197	0.5427	2.47E-22	0.0863	1.18E-01	0.0667	2.27E-01	0.0657	2.34E-01	0.1059	5.49E-02	0.1402	1.09E-02	NO
NAT10	ILMN_1705594	NAT10	55226	0.5424	2.12E-06	0.1149	3.72E-02	0.0908	1.00E-01	-0.0184	7.39E-01	0.0432	4.35E-01	0.0677	2.21E-01	NO
ZBTB48	ILMN_1801101	ZBTB48	3104	0.5423	1.17E-03	0.1451	8.40E-03	0.0917	9.69E-02	-0.0223	6.86E-01	0.0401	4.69E-01	0.0742	1.79E-01	NO
WDR18	ILMN_1694479	WDR18	57418	0.5421	1.32E-20	0.1035	6.06E-02	0.0870	1.15E-01	0.0310	5.75E-01	0.0869	1.16E-01	0.1177	3.28E-02	NO
FANCG	ILMN_1758728	FANCG	2189	0.5419	1.70E-10	0.1677	2.28E-03	0.1238	2.48E-02	-0.0829	1.34E-01	0.0047	9.32E-01	0.0307	5.80E-01	NO
PKN1	ILMN_2367707	PKN1	5585	0.5416	9.21E-01	0.1624	3.14E-03	0.0198	7.21E-01	-0.1127	4.10E-02	-0.0924	9.43E-02	-0.0607	2.72E-01	NO
SASH3	ILMN_1697554	SASH3	54440	0.5413	2.14E-03	0.1392	1.15E-02	0.1448	8.52E-03	0.0180	7.45E-01	0.1132	4.01E-02	0.1464	7.83E-03	NO
TPM2	ILMN_1789196	TPM2	7169	0.5413	5.97E-02	0.1252	2.31E-02	0.1277	2.06E-02	0.0367	5.07E-01	0.1193	3.05E-02	0.1535	5.27E-03	NO
ATP2A3	ILMN_2310909	ATP2A3	489	0.5410	2.85E-01	0.1603	3.56E-03	-0.0083	8.80E-01	0.0176	7.50E-01	0.0110	8.43E-01	0.0711	1.98E-01	NO
VHL	ILMN_1738579	VHL	7428	0.5403	7.42E-03	0.1465	7.77E-03	0.0536	3.33E-01	0.0361	5.14E-01	0.0695	2.09E-01	0.1205	2.89E-02	NO
SNAPC2	ILMN_1698478	SNAPC2	6618	0.5402	9.37E-17	0.0560	3.11E-01	0.0900	1.03E-01	0.2257	3.61E-05	0.2712	5.89E-07	0.3233	1.93E-09	NO
C1ORF198	ILMN_1657683	C1orf198	84886	0.5401	7.05E-03	0.0858	1.20E-01	0.0249	6.53E-01	0.0640	2.47E-01	0.0764	1.67E-01	0.1155	3.62E-02	NO
EML3	ILMN_1772644	EML3	256364	0.5399	5.09E-01	0.1093	4.75E-02	0.1938	4.07E-04	-0.0098	8.60E-01	0.1198	2.98E-02	0.1308	1.76E-02	NO
ZNF364	ILMN_1811997	ZNF364	27246	0.5399	9.71E-05	0.1419	9.96E-03	0.0636	2.50E-01	-0.0380	4.92E-01	0.0067	9.04E-01	0.0403	4.67E-01	NO
ARHGAP30	ILMN_2408851	ARHGAP30	257106	0.5384	3.97E-01	0.0982	7.52E-02	0.1384	1.20E-02	0.1096	4.70E-02	0.1947	3.82E-04	0.2324	2.06E-05	NO
CCT3	ILMN_2334989	CCT3	7203	0.5381	1.31E-06	0.0972	7.82E-02	0.0655	2.36E-01	0.0254	6.46E-01	0.0674	2.23E-01	0.0977	7.68E-02	NO
DCP1A	ILMN_1809285	DCP1A	55802	0.5378	2.83E-15	0.1576	4.16E-03	0.0720	1.93E-01	0.0301	5.86E-01	0.0761	1.69E-01	0.1274	2.08E-02	NO
RBM6	ILMN_1738239	RBM6	10180	0.5378	6.42E-18	0.1567	4.39E-03	0.0846	1.26E-01	-0.1349	1.44E-02	-0.0700	2.05E-01	-0.0530	3.38E-01	NO
DHPS	ILMN_2326997	DHPS	1725	0.5377	5.67E-03	0.0649	2.41E-01	0.1235	2.51E-02	0.1232	2.54E-02	0.1976	3.11E-04	0.2283	2.90E-05	NO
RLTPR	ILMN_1746138	RLTPR	146206	0.5373	1.71E-05	0.0440	4.27E-01	0.0953	8.44E-02	0.1572	4.25E-03	0.2106	1.18E-04	0.2445	7.27E-06	NO
NICN1	ILMN_1807211	NICN1	84276	0.5370	8.49E-06	0.1441	8.84E-03	0.0607	2.73E-01	0.0619	2.63E-01	0.0984	7.48E-02	0.1527	5.51E-03	NO
C7ORF26	ILMN_1730048	C7orf26	79034	0.5367	1.59E-02	0.1160	3.54E-02	0.2150	8.45E-05	-0.1038	6.00E-02	0.0458	4.07E-01	0.0380	4.92E-01	NO
UBR4	ILMN_1699226	UBR4	23352	0.5362	1.36E-03	0.1113	4.36E-02	0.1055	5.58E-02	0.0120	8.29E-01	0.0814	1.41E-01	0.1088	4.87E-02	NO
ACIN1	ILMN_1699636	ACIN1	22985	0.5360	3.12E-01	0.1356	1.38E-02	0.0994	7.19E-02	-0.1062	5.43E-02	-0.0334	5.47E-01	-0.0199	7.19E-01	NO
CYC1	ILMN_1815115	CYC1	1537	0.5359	1.22E-02	0.1933	4.22E-04	0.0989	7.33E-02	-0.0713	1.97E-01	-0.0010	9.85E-01	0.0393	4.78E-01	NO
PARP10	ILMN_2262044	PARP10	84875	0.5355	3.17E-16	0.1524	5.60E-03	0.0879	1.12E-01	-0.0710	1.99E-01	-0.0081	8.84E-01	0.0196	7.24E-01	NO

IL18BP	ILMN_2334296	IL18BP	10068	0.5350	4.21E-38	0.1354	1.40E-02	0.1104	4.53E-02	-0.0993	7.20E-02	-0.0195	7.24E-01	-0.0063	9.10E-01	NO
TFIP11	ILMN_1672571	TFIP11	24144	0.5350	3.30E-03	0.0384	4.88E-01	0.0935	9.05E-02	-0.0077	8.89E-01	0.0550	3.20E-01	0.0547	3.23E-01	NO
DCTN1	ILMN_1793563	DCTN1	1639	0.5348	7.83E-02	0.1158	3.58E-02	0.0382	4.90E-01	-0.1341	1.49E-02	-0.1002	6.96E-02	-0.0912	9.86E-02	NO
ABCF1	ILMN_1763875	ABCF1	23	0.5347	1.60E-21	0.1509	6.10E-03	0.0651	2.39E-01	-0.0694	2.09E-01	-0.0217	6.94E-01	0.0086	8.77E-01	NO
ECH1	ILMN_1653115	ECH1	1891	0.5330	9.89E-04	0.1344	1.47E-02	0.1082	4.99E-02	0.0030	9.56E-01	0.0748	1.76E-01	0.1081	5.01E-02	NO
SGSM3	ILMN_1679614	SGSM3	27352	0.5326	6.23E-18	0.1409	1.05E-02	0.0333	5.48E-01	-0.0039	9.43E-01	0.0184	7.39E-01	0.0623	2.60E-01	NO
DDX24	ILMN_1700628	DDX24	57062	0.5323	1.67E-04	0.0799	1.48E-01	0.1181	3.22E-02	0.1025	6.33E-02	0.1746	1.48E-03	0.2072	1.54E-04	NO
RBM42	ILMN_1670456	RBM42	79171	0.5317	7.67E-12	0.1427	9.53E-03	0.0538	3.31E-01	-0.0771	1.63E-01	-0.0364	5.11E-01	-0.0089	8.72E-01	NO
POLR3A	ILMN_2197247	POLR3A	11128	0.5316	2.67E-07	0.1296	1.86E-02	0.1121	4.21E-02	-0.0292	5.97E-01	0.0472	3.93E-01	0.0720	1.93E-01	NO
FAIM3	ILMN_1775542	FAIM3	9214	0.5314	1.72E-04	0.1954	3.65E-04	0.0484	3.82E-01	-0.0792	1.52E-01	-0.0420	4.48E-01	0.0040	9.43E-01	NO
DHPS	ILMN_1752967	DHPS	1725	0.5311	1.24E-03	0.1359	1.36E-02	0.0756	1.71E-01	-0.1068	5.29E-02	-0.0497	3.68E-01	-0.0333	5.47E-01	NO
MAPK8IP3	ILMN_1811574	MAPK8IP3	23162	0.5305	7.60E-02	0.0985	7.45E-02	-0.0226	6.82E-01	0.1230	2.57E-02	0.1001	6.97E-02	0.1613	3.34E-03	NO
MED12	ILMN_1793386	MED12	9968	0.5304	2.49E-05	0.1232	2.54E-02	0.1298	1.85E-02	0.0995	7.16E-02	0.1795	1.08E-03	0.2250	3.81E-05	NO
MFNG	ILMN_1764577	MFNG	4242	0.5301	1.67E-04	0.0960	8.20E-02	0.1911	4.91E-04	0.0422	4.46E-01	0.1667	2.42E-03	0.1836	8.19E-04	NO
BRD9	ILMN_1651405	BRD9	65980	0.5296	3.28E-03	0.1262	2.20E-02	0.0805	1.45E-01	0.0100	8.57E-01	0.0629	2.55E-01	0.0983	7.50E-02	NO
ENO2	ILMN_1765796	ENO2	2026	0.5288	1.86E-07	0.1726	1.67E-03	0.0483	3.82E-01	0.0018	9.75E-01	0.0338	5.41E-01	0.0878	1.12E-01	NO
FAM189B	ILMN_1795026	FAM189B	10712	0.5287	1.57E-05	0.1040	5.95E-02	0.1162	3.52E-02	0.0250	6.52E-01	0.1007	6.82E-02	0.1267	2.16E-02	NO
SMARCD1	ILMN_1728845	SMARCD1	6602	0.5286	8.52E-19	0.0947	8.63E-02	0.1460	7.99E-03	-0.0486	3.80E-01	0.0516	3.51E-01	0.0561	3.10E-01	NO
ZNF562	ILMN_1672940	ZNF562	54811	0.5282	1.01E-01	0.2148	8.60E-05	0.0359	5.16E-01	0.1271	2.11E-02	0.1430	9.41E-03	0.2378	1.31E-05	NO
ZNF275	ILMN_2243553	ZNF275	10838	0.5275	1.39E-30	0.1642	2.81E-03	0.0544	3.25E-01	-0.0060	9.13E-01	0.0305	5.81E-01	0.0793	1.51E-01	NO
DMAP1	ILMN_1773885	DMAP1	55929	0.5271	1.93E-02	0.0945	8.69E-02	0.0578	2.96E-01	-0.1225	2.63E-02	-0.0762	1.68E-01	-0.0749	1.75E-01	NO
MUTYH	ILMN_1714438	MUTYH	4595	0.5263	7.45E-01	0.0990	7.29E-02	0.1252	2.32E-02	-0.0098	8.60E-01	0.0741	1.80E-01	0.0904	1.02E-01	NO
CUTA	ILMN_2311989	CUTA	51596	0.5261	1.06E-02	0.0780	1.58E-01	0.0817	1.39E-01	-0.0755	1.72E-01	-0.0163	7.68E-01	-0.0146	7.92E-01	NO
NCKAP1L	ILMN_1674250	NCKAP1L	3071	0.5258	8.82E-20	0.0938	8.94E-02	0.0689	2.13E-01	-0.0514	3.53E-01	-0.0023	9.67E-01	0.0113	8.38E-01	NO
HSP90AB1	ILMN_1673711	HSP90AB1	3326	0.5257	8.17E-01	0.1166	3.45E-02	0.0461	4.05E-01	-0.1043	5.88E-02	-0.0670	2.25E-01	-0.0530	3.38E-01	NO
TRAK1	ILMN_2399174	TRAK1	22906	0.5250	6.20E-02	0.1439	8.97E-03	0.0152	7.84E-01	0.0578	2.96E-01	0.0642	2.45E-01	0.1235	2.51E-02	NO
GNS	ILMN_1744517	GNS	2799	0.5248	1.93E-01	0.1646	2.75E-03	0.1179	3.26E-02	-0.0013	9.81E-01	0.0772	1.62E-01	0.1188	3.12E-02	NO
KPNA6	ILMN_1696021	KPNA6	23633	0.5245	3.73E-02	0.1154	3.65E-02	0.0179	7.46E-01	-0.0983	7.49E-02	-0.0802	1.47E-01	-0.0617	2.64E-01	NO
RASGRP2	ILMN_1794594	RASGRP2	10235	0.5243	6.34E-03	0.1028	6.27E-02	0.0993	7.21E-02	0.0642	2.45E-01	0.1262	2.20E-02	0.1617	3.28E-03	NO
MAN2B1	ILMN_1759341	MAN2B1	4125	0.5242	1.88E-05	0.0795	1.50E-01	0.0698	2.07E-01	-0.0015	9.78E-01	0.0450	4.16E-01	0.0633	2.53E-01	NO
METT10D	ILMN_1693290	METT10D	79066	0.5238	1.21E-10	0.1671	2.36E-03	0.1046	5.80E-02	-0.0310	5.75E-01	0.0405	4.64E-01	0.0789	1.53E-01	NO
CCDC97	ILMN_1801600	CCDC97	90324	0.5237	4.84E-03	0.1294	1.88E-02	0.1292	1.91E-02	0.0615	2.66E-01	0.1436	9.11E-03	0.1839	8.04E-04	NO
YOD1	ILMN_1678919	YOD1	55432	0.5236	1.05E-01	0.1056	5.57E-02	0.0282	6.11E-01	-0.1274	2.08E-02	-0.1006	6.84E-02	-0.0926	9.37E-02	NO
MOSPD3	ILMN_2356909	MOSPD3	64598	0.5231	3.25E-19	0.1003	6.93E-02	-0.0077	8.90E-01	0.0110	8.42E-01	0.0052	9.25E-01	0.0431	4.36E-01	NO
DIAPH1	ILMN_1661554	DIAPH1	1729	0.5224	2.46E-06	0.0603	2.75E-01	0.0887	1.08E-01	0.1096	4.71E-02	0.1616	3.29E-03	0.1926	4.44E-04	NO
C10ORF76	ILMN_1792110	C10orf76	79591	0.5211	3.81E-04	0.1768	1.28E-03	0.0368	5.06E-01	0.0983	7.50E-02	0.1165	3.46E-02	0.1924	4.49E-04	NO
BAT2	ILMN_1760563	BAT2	7916	0.5210	4.48E-10	0.0972	7.84E-02	0.0551	3.19E-01	0.0017	9.75E-01	0.0383	4.89E-01	0.0652	2.38E-01	NO
MCM3	ILMN_2224143	MCM3	4172	0.5208	1.22E-04	0.1379	1.23E-02	0.0740	1.80E-01	-0.0420	4.48E-01	0.0099	8.57E-01	0.0400	4.70E-01	NO
MEN1	ILMN_2340877	MEN1	4221	0.5202	5.05E-06	0.0976	7.71E-02	0.0659	2.33E-01	-0.0602	2.76E-01	-0.0126	8.21E-01	0.0010	9.86E-01	NO
RPS6KA4	ILMN_1756204	RPS6KA4	8986	0.5198	3.70E-04	0.2047	1.85E-04	0.1041	5.92E-02	-0.1112	4.38E-02	-0.0349	5.28E-01	0.0009	9.87E-01	NO
LYSMD2	ILMN_1724493	LYSMD2	256586	0.5195	2.14E-27	0.1360	1.36E-02	0.0754	1.73E-01	-0.0291	5.99E-01	0.0229	6.79E-01	0.0547	3.23E-01	NO
TRABD	ILMN_1755737	TRABD	80305	0.5192	3.09E-02	0.0829	1.33E-01	0.1586	3.93E-03	0.0066	9.05E-01	0.1117	4.30E-02	0.1213	2.79E-02	NO
CPNE1	ILMN_1670841	CPNE1	8904	0.5190	3.43E-01	0.1507	6.16E-03	0.0704	2.03E-01	-0.0842	1.27E-01	-0.0320	5.62E-01	-0.0054	9.23E-01	NO
MFSD10	ILMN_1674874	MFSD10	10227	0.5184	1.02E-07	0.0959	8.25E-02	0.2032	2.06E-04	0.0253	6.48E-01	0.1589	3.86E-03	0.1709	1.87E-03	NO
PCSK7	ILMN_1699545	PCSK7	9159	0.5182	7.36E-05	0.1318	1.67E-02	0.1119	4.24E-02	-0.0685	2.16E-01	0.0104	8.52E-01	0.0282	6.10E-01	NO
TXLNA	ILMN_1737084	TXLNA	200081	0.5173	9.49E-04	0.1129	4.07E-02	0.1044	5.86E-02	0.0519	3.48E-01	0.1180	3.23E-02	0.1539	5.14E-03	NO

STX5	ILMN_1749345	STX5	6811	0.5165	1.42E-01	0.1723	1.71E-03	0.0655	2.36E-01	-0.0924	9.45E-02	-0.0429	4.38E-01	-0.0097	8.61E-01	NO
CSNK1E	ILMN_2415235	CSNK1E	1454	0.5162	1.58E-01	0.1292	1.90E-02	0.1301	1.82E-02	-0.0902	1.02E-01	0.0021	9.70E-01	0.0125	8.22E-01	NO
DDX41	ILMN_1737344	DDX41	51428	0.5147	2.09E-30	0.1575	4.19E-03	0.0641	2.46E-01	-0.0223	6.86E-01	0.0217	6.94E-01	0.0637	2.49E-01	NO
STAG3L2	ILMN_1791375	STAG3L2	442582	0.5143	4.79E-24	0.1309	1.75E-02	0.0859	1.20E-01	-0.0486	3.79E-01	0.0116	8.34E-01	0.0364	5.10E-01	NO
FYN	ILMN_1686555	FYN	2534	0.5139	2.74E-01	0.1632	2.99E-03	0.0904	1.02E-01	-0.0786	1.55E-01	-0.0135	8.07E-01	0.0160	7.72E-01	NO
VAMP2	ILMN_1713491	VAMP2	6844	0.5127	1.34E-17	0.1075	5.14E-02	0.0631	2.53E-01	0.0170	7.59E-01	0.0579	2.95E-01	0.0904	1.02E-01	NO
FYN	ILMN_2380801	FYN	2534	0.5120	1.82E-14	0.1313	1.71E-02	0.0289	6.01E-01	0.0078	8.87E-01	0.0266	6.31E-01	0.0699	2.06E-01	NO
VPS39	ILMN_1770388	VPS39	23339	0.5110	1.39E-01	0.1656	2.58E-03	-0.0001	9.99E-01	-0.0882	1.10E-01	-0.0826	1.35E-01	-0.0425	4.43E-01	NO
TOP3B	ILMN_1765021	TOP3B	8940	0.5109	3.23E-09	0.0045	9.35E-01	0.1154	3.65E-02	0.0972	7.84E-02	0.1678	2.27E-03	0.1735	1.58E-03	NO
WDR6	ILMN_1669484	WDR6	11180	0.5109	1.01E-10	0.1242	2.42E-02	0.1194	3.04E-02	-0.0245	6.58E-01	0.0565	3.07E-01	0.0794	1.51E-01	NO
CES2	ILMN_1696675	CES2	8824	0.5105	6.95E-10	0.1125	4.14E-02	0.0892	1.06E-01	-0.0263	6.35E-01	0.0347	5.31E-01	0.0571	3.02E-01	NO
TSEN54	ILMN_1657509	TSEN54	283989	0.5098	2.80E-13	0.0853	1.23E-01	0.1359	1.36E-02	0.0401	4.69E-01	0.1280	2.03E-02	0.1479	7.22E-03	NO
VCL	ILMN_2413527	VCL	7414	0.5080	5.29E-24	0.1051	5.68E-02	0.0898	1.04E-01	0.0225	6.84E-01	0.0808	1.44E-01	0.1101	4.60E-02	NO
KRTCAP2	ILMN_1658802	KRTCAP2	200185	0.5078	1.07E-01	0.0462	4.04E-01	0.0175	7.53E-01	0.0858	1.20E-01	0.0920	9.59E-02	0.1225	2.62E-02	NO
TMEM63A	ILMN_1719649	TMEM63A	9725	0.5077	1.65E-06	0.0517	3.50E-01	0.1887	5.81E-04	0.0970	7.88E-02	0.2164	7.59E-05	0.2290	2.73E-05	NO
ATXN7L3	ILMN_1862018	ATXN7L3	56970	0.5073	7.22E-03	0.1430	9.39E-03	0.0456	4.09E-01	-0.0884	1.09E-01	-0.0524	3.43E-01	-0.0261	6.38E-01	NO
TCF25	ILMN_1814971	TCF25	22980	0.5070	4.62E-02	0.0945	8.69E-02	0.1094	4.73E-02	-0.1180	3.24E-02	-0.0377	4.95E-01	-0.0422	4.46E-01	NO
OTUB1	ILMN_1723871	OTUB1	55611	0.5067	1.68E-04	0.1183	3.19E-02	0.1060	5.47E-02	0.0104	8.51E-01	0.0803	1.46E-01	0.1097	4.68E-02	NO
NDUFS7	ILMN_1669966	NDUFS7	374291	0.5059	3.98E-34	0.0952	8.46E-02	0.1162	3.51E-02	-0.0470	3.96E-01	0.0333	5.47E-01	0.0421	4.46E-01	NO
DVL3	ILMN_2137464	DVL3	1857	0.5059	1.33E-05	0.0489	3.76E-01	0.1196	3.02E-02	-0.0383	4.89E-01	0.0437	4.30E-01	0.0377	4.96E-01	NO
ZYG11B	ILMN_1656676	ZYG11B	79699	0.5058	1.09E-30	0.1622	3.17E-03	0.0576	2.98E-01	-0.0108	8.45E-01	0.0282	6.11E-01	0.0749	1.75E-01	NO
MCM3AP	ILMN_1784766	MCM3AP	8888	0.5057	6.46E-07	0.0895	1.05E-01	0.1003	6.92E-02	0.0476	3.89E-01	0.1113	4.36E-02	0.1388	1.17E-02	NO
PELP1	ILMN_1728684	PELP1	27043	0.5055	4.43E-28	0.1974	3.14E-04	0.1843	7.85E-04	-0.0982	7.54E-02	0.0306	5.80E-01	0.0561	3.10E-01	NO
DOCK2	ILMN_1799725	DOCK2	1794	0.5050	5.54E-18	0.0664	2.29E-01	0.0746	1.77E-01	-0.0493	3.73E-01	0.0035	9.50E-01	0.0072	8.96E-01	NO
BAZ1B	ILMN_1680831	BAZ1B	9031	0.5039	4.40E-01	0.1841	7.91E-04	0.0228	6.80E-01	-0.0788	1.54E-01	-0.0587	2.89E-01	-0.0132	8.12E-01	NO
RIC8A	ILMN_1770733	RIC8A	60626	0.5039	6.07E-06	0.1200	2.95E-02	0.1759	1.36E-03	0.0060	9.14E-01	0.1226	2.62E-02	0.1427	9.53E-03	NO
DUSP8	ILMN_1743204	DUSP8	1850	0.5034	2.91E-03	0.1081	5.01E-02	0.0273	6.22E-01	-0.0935	9.03E-02	-0.0694	2.09E-01	-0.0538	3.31E-01	NO
ALDH16A1	ILMN_2051381	ALDH16A1	126133	0.5032	3.82E-23	0.0217	6.94E-01	0.1521	5.72E-03	0.0081	8.83E-01	0.1088	4.87E-02	0.0983	7.49E-02	NO
ARFGAP2	ILMN_1769250	ARFGAP2	84364	0.5010	1.44E-02	0.1544	5.01E-03	0.1289	1.94E-02	0.0456	4.10E-01	0.1284	1.98E-02	0.1743	1.51E-03	NO
TCEA2	ILMN_1665526	TCEA2	6919	0.5007	1.96E-02	0.0736	1.83E-01	0.1045	5.84E-02	0.0552	3.18E-01	0.1212	2.79E-02	0.1441	8.86E-03	NO
EMILIN2	ILMN_1697268	EMILIN2	84034	0.5007	5.45E-02	0.1717	1.77E-03	0.0336	5.44E-01	0.0374	4.99E-01	0.0573	3.00E-01	0.1199	2.97E-02	NO
WDR59	ILMN_1795428	WDR59	79726	0.4997	9.65E-01	0.1093	4.76E-02	0.0213	7.01E-01	-0.0739	1.81E-01	-0.0551	3.19E-01	-0.0344	5.34E-01	NO
D2HGDH	ILMN_2206272	D2HGDH	728294	0.4979	7.79E-04	0.1591	3.82E-03	0.0162	7.69E-01	0.0547	3.23E-01	0.0620	2.62E-01	0.1258	2.25E-02	NO
SLC25A1	ILMN_1813671	SLC25A1	6576	0.4960	3.26E-05	0.1387	1.18E-02	-0.0037	9.46E-01	-0.1154	3.63E-02	-0.1106	4.50E-02	-0.0846	1.25E-01	NO
GAK	ILMN_1813775	GAK	2580	0.4956	1.67E-02	0.0869	1.15E-01	0.0284	6.08E-01	-0.0900	1.03E-01	-0.0654	2.37E-01	-0.0566	3.06E-01	NO
PAF1	ILMN_1669508	PAF1	54623	0.4953	2.72E-01	0.0649	2.41E-01	0.0278	6.16E-01	-0.1575	4.19E-03	-0.1290	1.92E-02	-0.1410	1.05E-02	NO
RNF26	ILMN_1762787	RNF26	79102	0.4930	2.07E-27	0.1086	4.90E-02	0.1102	4.57E-02	-0.0034	9.51E-01	0.0701	2.05E-01	0.0929	9.24E-02	NO
BRD3	ILMN_1785635	BRD3	8019	0.4921	4.08E-02	0.1286	1.96E-02	0.0281	6.12E-01	-0.1322	1.64E-02	-0.1051	5.67E-02	-0.0901	1.03E-01	NO
LIME1	ILMN_2183687	LIME1	54923	0.4915	1.62E-01	0.1084	4.94E-02	0.1212	2.80E-02	0.1090	4.82E-02	0.1827	8.70E-04	0.2261	3.49E-05	NO
ZDHHC16	ILMN_1763568	ZDHHC16	84287	0.4896	5.38E-02	0.1272	2.10E-02	0.1309	1.75E-02	0.0704	2.03E-01	0.1530	5.41E-03	0.1941	4.00E-04	NO
TOP3A	ILMN_2072973	TOP3A	7156	0.4886	2.14E-07	0.1845	7.73E-04	-0.0129	8.16E-01	0.1547	4.92E-03	0.1363	1.33E-02	0.2323	2.09E-05	NO
PUS1	ILMN_1662658	PUS1	80324	0.4879	4.86E-01	0.0342	5.36E-01	0.1358	1.37E-02	0.0644	2.44E-01	0.1506	6.19E-03	0.1576	4.15E-03	NO
CHKB	ILMN_2331205	CHKB	1120	0.4871	2.00E-04	0.0557	3.14E-01	0.0623	2.59E-01	0.1038	6.00E-02	0.1387	1.18E-02	0.1704	1.93E-03	NO
TRIM11	ILMN_1718619	TRIM11	81559	0.4867	7.38E-04	0.2101	1.24E-04	0.0072	8.96E-01	-0.1293	1.89E-02	-0.1163	3.50E-02	-0.0697	2.07E-01	NO
HGS	ILMN_1715994	HGS	9146	0.4865	1.42E-04	0.0536	3.32E-01	0.0704	2.03E-01	0.0917	9.69E-02	0.1327	1.60E-02	0.1602	3.57E-03	NO
TICAM1	ILMN_1724863	TICAM1	148022	0.4863	1.14E-04	0.0739	1.81E-01	0.0786	1.55E-01	-0.0045	9.35E-01	0.0480	3.85E-01	0.0627	2.57E-01	NO

ELF4	ILMN_1652082	ELF4	2000	0.4863	6.07E-01	0.1130	4.05E-02	0.0928	9.27E-02	-0.0713	1.97E-01	-0.0050	9.28E-01	0.0083	8.81E-01	NO
THADA	ILMN_1811624	THADA	63892	0.4852	7.69E-01	0.0789	1.54E-01	-0.0041	9.41E-01	-0.1066	5.34E-02	-0.1025	6.32E-02	-0.0956	8.35E-02	NO
RNF220	ILMN_1694504	RNF220	55182	0.4848	5.68E-02	0.1335	1.54E-02	0.1167	3.44E-02	-0.1087	4.89E-02	-0.0242	6.62E-01	-0.0142	7.97E-01	NO
EIF4G1	ILMN_1768470	EIF4G1	1981	0.4848	1.67E-24	0.1056	5.56E-02	0.0904	1.02E-01	-0.0426	4.41E-01	0.0203	7.14E-01	0.0369	5.05E-01	NO
SARM1	ILMN_1746265	SARM1	23098	0.4847	1.29E-04	0.1405	1.07E-02	0.1635	2.94E-03	-0.0782	1.57E-01	0.0355	5.21E-01	0.0479	3.87E-01	NO
FAM50A	ILMN_1725130	FAM50A	9130	0.4835	2.35E-22	0.1699	1.98E-03	0.1629	3.04E-03	-0.0675	2.22E-01	0.0452	4.14E-01	0.0699	2.06E-01	NO
ARHGAP1	ILMN_1732060	ARHGAP1	392	0.4833	4.96E-01	0.1207	2.86E-02	0.1553	4.75E-03	0.0965	8.05E-02	0.1937	4.10E-04	0.2345	1.73E-05	NO
POFUT2	ILMN_2376667	POFUT2	23275	0.4831	1.94E-11	0.1230	2.56E-02	0.0192	7.29E-01	0.0396	4.74E-01	0.0499	3.67E-01	0.0978	7.64E-02	NO
CDK5RAP3	ILMN_1812557	CDK5RAP3	80279	0.4828	7.13E-06	0.1189	3.11E-02	0.0738	1.82E-01	-0.1022	6.41E-02	-0.0466	4.00E-01	-0.0349	5.28E-01	NO
NCOA5	ILMN_1770035	NCOA5	57727	0.4818	1.85E-04	0.0837	1.30E-01	0.0671	2.25E-01	-0.0240	6.65E-01	0.0222	6.89E-01	0.0379	4.94E-01	NO
UNC93B1	ILMN_2193591	UNC93B1	81622	0.4809	7.45E-25	0.0912	9.87E-02	0.0499	3.67E-01	-0.0115	8.36E-01	0.0224	6.85E-01	0.0454	4.12E-01	NO
TMEM109	ILMN_2092756	TMEM109	79073	0.4808	7.65E-03	0.1697	2.01E-03	-0.0020	9.71E-01	-0.0815	1.40E-01	-0.0777	1.60E-01	-0.0345	5.33E-01	NO
COASY	ILMN_1753498	COASY	80347	0.4808	3.35E-01	0.0642	2.45E-01	0.0532	3.36E-01	-0.1919	4.66E-04	-0.1443	8.77E-03	-0.1665	2.45E-03	NO
PUF60	ILMN_1779404	PUF60	22827	0.4794	1.08E-01	0.1191	3.08E-02	0.0032	9.54E-01	-0.0453	4.13E-01	-0.0403	4.66E-01	-0.0083	8.81E-01	NO
AKAP8L	ILMN_1768962	AKAP8L	26993	0.4783	1.52E-05	0.1674	2.31E-03	0.0610	2.70E-01	-0.0465	4.01E-01	-0.0030	9.57E-01	0.0382	4.90E-01	NO
NFIC	ILMN_1675130	NFIC	4782	0.4783	4.85E-09	0.1361	1.35E-02	0.1312	1.73E-02	-0.1331	1.57E-02	-0.0374	4.99E-01	-0.0332	5.49E-01	NO
LOC440341	ILMN_1673933	LOC440341	440341	0.4782	9.79E-01	0.0509	3.57E-01	0.0907	1.00E-01	0.0438	4.28E-01	0.1014	6.63E-02	0.1159	3.56E-02	NO
NOP2	ILMN_1723158	NOP2	4839	0.4760	4.03E-01	0.1774	1.23E-03	-0.0230	6.78E-01	0.1166	3.46E-02	0.0939	8.91E-02	0.1813	9.58E-04	NO
FAM65A	ILMN_1680037	FAM65A	79567	0.4754	5.06E-03	0.1253	2.30E-02	0.1100	4.62E-02	-0.0739	1.81E-01	0.0039	9.43E-01	0.0187	7.35E-01	NO
GLB1	ILMN_1735155	GLB1	2720	0.4752	1.68E-01	0.1011	6.71E-02	-0.0010	9.86E-01	-0.1030	6.20E-02	-0.0971	7.86E-02	-0.0821	1.37E-01	NO
ANKRD13D	ILMN_1672356	ANKRD13D	338692	0.4732	3.19E-04	0.1439	8.95E-03	0.0240	6.64E-01	-0.1189	3.10E-02	-0.0954	8.40E-02	-0.0719	1.93E-01	NO
ZNF142	ILMN_1676745	ZNF142	7701	0.4731	1.62E-29	0.0351	5.26E-01	0.1431	9.35E-03	-0.0390	4.80E-01	0.0586	2.89E-01	0.0447	4.19E-01	NO
OGDH	ILMN_1733869	OGDH	4967	0.4724	2.00E-17	0.0407	4.62E-01	0.1219	2.70E-02	0.0071	8.98E-01	0.0877	1.12E-01	0.0875	1.13E-01	NO
AXIN1	ILMN_1766185	AXIN1	8312	0.4715	1.38E-03	0.1678	2.26E-03	0.0676	2.21E-01	-0.1253	2.30E-02	-0.0724	1.90E-01	-0.0475	3.91E-01	NO
CECR1	ILMN_1751851	CECR1	51816	0.4700	1.73E-03	0.1544	5.00E-03	0.0415	4.53E-01	-0.1447	8.60E-03	-0.1079	5.06E-02	-0.0880	1.11E-01	NO
CCDC130	ILMN_1758633	CCDC130	81576	0.4693	3.39E-26	0.1237	2.48E-02	0.1165	3.47E-02	-0.1522	5.67E-03	-0.0650	2.39E-01	-0.0670	2.26E-01	NO
SLC25A22	ILMN_1687958	SLC25A22	79751	0.4669	9.02E-40	0.0830	1.33E-01	0.1594	3.75E-03	-0.0466	3.99E-01	0.0624	2.59E-01	0.0615	2.66E-01	NO
CLIP2	ILMN_2352190	CLIP2	7461	0.4668	7.62E-19	0.1172	3.35E-02	0.1095	4.73E-02	-0.1358	1.37E-02	-0.0544	3.25E-01	-0.0545	3.24E-01	NO
SAPS2	ILMN_1655922	SAPS2	9701	0.4658	2.55E-01	0.1495	6.59E-03	0.0322	5.61E-01	-0.1578	4.12E-03	-0.1263	2.19E-02	-0.1095	4.71E-02	NO
SLC27A1	ILMN_1787718	SLC27A1	376497	0.4656	4.50E-18	0.0352	5.25E-01	0.0638	2.48E-01	0.0565	3.07E-01	0.0954	8.41E-02	0.1105	4.53E-02	NO
RDH13	ILMN_1660723	RDH13	112724	0.4644	9.53E-03	0.0922	9.52E-02	0.1367	1.31E-02	0.0405	4.64E-01	0.1289	1.94E-02	0.1512	6.01E-03	NO
GOLGA3	ILMN_1733511	GOLGA3	2802	0.4642	3.56E-01	0.1242	2.43E-02	0.1578	4.12E-03	0.0451	4.15E-01	0.1472	7.50E-03	0.1787	1.13E-03	NO
GHDC	ILMN_1746378	GHDC	84514	0.4630	5.73E-13	-0.0015	9.78E-01	0.1131	4.04E-02	0.0520	3.47E-01	0.1239	2.46E-02	0.1191	3.09E-02	NO
ITGB7	ILMN_1777519	ITGB7	3695	0.4613	3.38E-01	0.2187	6.32E-05	0.1288	1.94E-02	-0.1487	6.88E-03	-0.0536	3.32E-01	-0.0235	6.71E-01	NO
SAFB2	ILMN_2069446	SAFB2	9667	0.4604	1.70E-02	0.1440	8.90E-03	0.0288	6.03E-01	-0.1977	3.09E-04	-0.1660	2.52E-03	-0.1585	3.94E-03	NO
TTC31	ILMN_1696375	TTC31	64427	0.4602	8.66E-05	0.1050	5.71E-02	0.0915	9.74E-02	0.0826	1.35E-01	0.1382	1.21E-02	0.1790	1.11E-03	NO
ITGB4BP	ILMN_2387636	ITGB4BP	3692	0.4590	4.87E-28	0.1316	1.69E-02	0.1676	2.29E-03	-0.2138	9.27E-05	-0.0888	1.08E-01	-0.1066	5.33E-02	NO
MFHAS1	ILMN_1745686	MFHAS1	9258	0.4586	5.87E-06	0.1004	6.89E-02	0.0311	5.74E-01	0.0131	8.13E-01	0.0330	5.51E-01	0.0663	2.30E-01	NO
LOC728653	ILMN_1824898	LOC728653	728653	0.4585	2.82E-01	0.1087	4.89E-02	-0.0541	3.28E-01	0.1343	1.48E-02	0.0897	1.04E-01	0.1607	3.46E-03	NO
AKNA	ILMN_1770673	AKNA	80709	0.4562	1.69E-03	0.0987	7.38E-02	0.1320	1.66E-02	-0.0377	4.96E-01	0.0525	3.43E-01	0.0623	2.60E-01	NO
CENPB	ILMN_1664028	CENPB	1059	0.4558	1.38E-16	0.1151	3.69E-02	0.0697	2.07E-01	-0.0341	5.37E-01	0.0144	7.95E-01	0.0386	4.85E-01	NO
DPF2	ILMN_1734317	DPF2	5977	0.4531	1.12E-01	0.1288	1.94E-02	0.0898	1.04E-01	0.1237	2.48E-02	0.1757	1.38E-03	0.2330	1.96E-05	NO
IPO9	ILMN_1723117	IPO9	55705	0.4518	1.55E-31	0.0797	1.49E-01	0.1267	2.16E-02	-0.0625	2.59E-01	0.0258	6.41E-01	0.0248	6.54E-01	NO
TECPR1	ILMN_1767651	TECPR1	25851	0.4504	5.59E-27	0.1358	1.37E-02	0.0786	1.55E-01	-0.0682	2.17E-01	-0.0116	8.34E-01	0.0120	8.28E-01	NO
TBC1D13	ILMN_1662161	TBC1D13	54662	0.4494	7.70E-01	0.1379	1.23E-02	0.1019	6.50E-02	-0.0313	5.72E-01	0.0385	4.87E-01	0.0670	2.25E-01	NO
EIF2C1	ILMN_1671326	EIF2C1	26523	0.4488	2.26E-14	0.0367	5.07E-01	0.1297	1.86E-02	0.0547	3.23E-01	0.1375	1.25E-02	0.1443	8.77E-03	NO

MEF2D	ILMN_1763228	MEF2D	4209	0.4450	1.15E-04	0.1743	1.50E-03	0.0247	6.56E-01	-0.1559	4.58E-03	-0.1296	1.87E-02	-0.1029	6.22E-02	NO
CHD8	ILMN_1806122	CHD8	57680	0.4424	1.31E-09	0.1058	5.53E-02	0.0863	1.18E-01	-0.0411	4.58E-01	0.0190	7.32E-01	0.0365	5.10E-01	NO
DDX39	ILMN_1747303	DDX39	10212	0.4424	3.41E-24	0.0874	1.13E-01	0.0871	1.15E-01	-0.1263	2.20E-02	-0.0603	2.76E-01	-0.0659	2.33E-01	NO
VIL2	ILMN_1795937	VIL2	7430	0.4418	1.53E-11	0.0351	5.26E-01	0.1203	2.91E-02	0.1021	6.43E-02	0.1757	1.38E-03	0.1924	4.49E-04	NO
ADA	ILMN_1803686	ADA	100	0.4400	4.74E-02	0.1277	2.05E-02	0.0036	9.48E-01	-0.0335	5.45E-01	-0.0290	6.00E-01	0.0083	8.81E-01	NO
FLII	ILMN_1737170	FLII	2314	0.4384	2.95E-08	0.1495	6.58E-03	0.0057	9.17E-01	-0.0300	5.87E-01	-0.0243	6.60E-01	0.0209	7.05E-01	NO
MYO1G	ILMN_1692295	MYO1G	64005	0.4380	1.40E-19	0.0596	2.81E-01	0.0602	2.76E-01	0.0923	9.46E-02	0.1265	2.17E-02	0.1575	4.19E-03	NO
LOC92017	ILMN_1670539	LOC92017	92017	0.4374	2.07E-04	0.1010	6.72E-02	0.0172	7.57E-01	0.0466	3.99E-01	0.0551	3.19E-01	0.0970	7.88E-02	NO
VAC14	ILMN_1799024	VAC14	55697	0.4361	1.08E-07	0.0739	1.81E-01	0.1452	8.35E-03	0.0798	1.49E-01	0.1713	1.82E-03	0.1939	4.05E-04	NO
APEX2	ILMN_1652505	APEX2	27301	0.4358	9.41E-01	0.1010	6.72E-02	0.0601	2.77E-01	-0.1174	3.33E-02	-0.0700	2.06E-01	-0.0657	2.35E-01	NO
ATP5SL	ILMN_1809027	ATP5SL	55101	0.4355	4.16E-43	0.1010	6.73E-02	0.1515	5.89E-03	-0.0610	2.70E-01	0.0437	4.29E-01	0.0473	3.93E-01	NO
MRPS12	ILMN_2371964	MRPS12	6183	0.4336	7.65E-01	0.0419	4.49E-01	0.1583	3.99E-03	0.1302	1.82E-02	0.2272	3.18E-05	0.2469	5.86E-06	NO
GMEB2	ILMN_1683204	GMEB2	26205	0.4316	1.31E-31	0.1253	2.30E-02	0.1200	2.95E-02	-0.1193	3.05E-02	-0.0319	5.64E-01	-0.0273	6.22E-01	NO
LOC642031	ILMN_1655694	LOC642031	642031	0.4310	1.75E-07	0.1001	6.99E-02	0.1571	4.29E-03	-0.0821	1.37E-01	0.0276	6.18E-01	0.0259	6.39E-01	NO
LOC338799	ILMN_2098947	LOC338799	338799	0.4283	1.74E-02	0.1297	1.86E-02	0.0100	8.57E-01	-0.0572	3.01E-01	-0.0469	3.97E-01	-0.0144	7.95E-01	NO
UBE1	ILMN_1683609	UBE1	7317	0.4281	1.44E-01	0.0615	2.66E-01	0.0714	1.97E-01	0.1343	1.48E-02	0.1733	1.61E-03	0.2117	1.09E-04	NO
BBX	ILMN_1745415	BBX	56987	0.4270	4.32E-25	0.0680	2.19E-01	0.1173	3.35E-02	0.0031	9.55E-01	0.0809	1.43E-01	0.0900	1.03E-01	NO
CD99L2	ILMN_2388142	CD99L2	83692	0.4181	1.16E-03	-0.0072	8.97E-01	0.1509	6.10E-03	0.1319	1.67E-02	0.2239	4.16E-05	0.2278	3.02E-05	NO
ITPR3	ILMN_1815500	ITPR3	3710	0.4160	8.83E-04	0.0758	1.70E-01	0.0654	2.37E-01	-0.0664	2.30E-01	-0.0187	7.35E-01	-0.0139	8.02E-01	NO
FUK	ILMN_1704195	FUK	197258	0.4155	5.97E-04	0.1298	1.85E-02	0.1623	3.16E-03	-0.0617	2.64E-01	0.0501	3.65E-01	0.0621	2.61E-01	NO
CAPN1	ILMN_1705261	CAPN1	823	0.4149	3.46E-01	0.1054	5.62E-02	0.0173	7.54E-01	-0.1313	1.71E-02	-0.1115	4.33E-02	-0.1029	6.22E-02	NO
CBX6	ILMN_1691930	CBX6	23466	0.4146	6.84E-04	0.0702	2.04E-01	-0.0233	6.73E-01	-0.0200	7.18E-01	-0.0342	5.36E-01	-0.0108	8.45E-01	NO
COPS7B	ILMN_1784785	COPS7B	64708	0.4129	5.34E-07	0.1032	6.15E-02	-0.0049	9.30E-01	-0.0075	8.92E-01	-0.0103	8.53E-01	0.0247	6.56E-01	NO
NUCB1	ILMN_1722634	NUCB1	4924	0.4126	2.60E-01	0.1782	1.17E-03	0.0082	8.83E-01	-0.1486	6.94E-03	-0.1337	1.52E-02	-0.1021	6.44E-02	NO
EIF2B4	ILMN_2356672	EIF2B4	8890	0.4124	1.68E-06	0.0334	5.46E-01	0.1486	6.92E-03	0.0876	1.13E-01	0.1809	9.80E-04	0.1905	5.12E-04	NO
SFRS15	ILMN_1659874	SFRS15	57466	0.4116	6.18E-02	0.1262	2.20E-02	0.0536	3.32E-01	-0.0947	8.64E-02	-0.0530	3.38E-01	-0.0347	5.30E-01	NO
ZGPAT	ILMN_1794643	ZGPAT	84619	0.4105	4.83E-02	0.1311	1.73E-02	0.0225	6.84E-01	-0.0762	1.68E-01	-0.0564	3.08E-01	-0.0288	6.03E-01	NO
CARD11	ILMN_1721978	CARD11	84433	0.4062	3.23E-03	0.0924	9.42E-02	0.1696	2.02E-03	-0.0420	4.48E-01	0.0735	1.83E-01	0.0755	1.72E-01	NO
PPP2R1A	ILMN_1810467	PPP2R1A	5518	0.4046	3.50E-33	0.1087	4.88E-02	0.0189	7.33E-01	0.0168	7.61E-01	0.0283	6.09E-01	0.0669	2.26E-01	NO
POLG	ILMN_2101930	POLG	5428	0.4022	2.44E-34	0.0974	7.76E-02	0.0265	6.32E-01	-0.0927	9.33E-02	-0.0692	2.11E-01	-0.0570	3.03E-01	NO
CLN3	ILMN_2394381	CLN3	1201	0.4003	2.08E-03	0.1260	2.22E-02	0.0833	1.31E-01	-0.0884	1.10E-01	-0.0273	6.22E-01	-0.0117	8.33E-01	NO
LMNB2	ILMN_1708101	LMNB2	84823	0.3995	7.81E-03	0.1044	5.85E-02	0.1481	7.13E-03	-0.0874	1.14E-01	0.0167	7.63E-01	0.0167	7.63E-01	NO
RALGDS	ILMN_1699856	RALGDS	5900	0.3970	3.25E-45	0.0959	8.24E-02	0.1165	3.46E-02	0.0534	3.34E-01	0.1275	2.07E-02	0.1563	4.50E-03	NO
SNRPB	ILMN_1774661	SNRPB	6628	0.3926	9.12E-05	0.0874	1.14E-01	0.0932	9.14E-02	-0.0141	7.99E-01	0.0488	3.78E-01	0.0643	2.45E-01	NO
SEC16A	ILMN_2126344	SEC16A	9919	0.3922	5.56E-28	0.0796	1.50E-01	0.0448	4.18E-01	0.0077	8.89E-01	0.0371	5.03E-01	0.0604	2.75E-01	NO
SPTAN1	ILMN_2095133	SPTAN1	6709	0.3918	5.01E-01	-0.0156	7.77E-01	-0.0592	2.84E-01	0.0600	2.78E-01	0.0168	7.61E-01	0.0308	5.77E-01	NO
GBA2	ILMN_1674560	GBA2	57704	0.3900	4.99E-01	0.0994	7.17E-02	0.0231	6.76E-01	-0.0804	1.46E-01	-0.0599	2.79E-01	-0.0441	4.25E-01	NO
ZNF324	ILMN_1745784	ZNF324	25799	0.3900	1.16E-03	0.1692	2.08E-03	-0.0586	2.90E-01	0.0968	7.95E-02	0.0517	3.50E-01	0.1369	1.29E-02	NO
HCFC1	ILMN_1732705	HCFC1	3054	0.3885	4.79E-08	0.1597	3.67E-03	0.0870	1.15E-01	-0.0793	1.51E-01	-0.0164	7.67E-01	0.0123	8.25E-01	NO
ARF3	ILMN_1682938	ARF3	377	0.3879	1.84E-33	0.0644	2.44E-01	0.1135	3.96E-02	-0.0093	8.67E-01	0.0668	2.27E-01	0.0727	1.88E-01	NO
DHX16	ILMN_1716922	DHX16	8449	0.3871	5.65E-35	0.1064	5.39E-02	0.1273	2.09E-02	-0.0085	8.78E-01	0.0768	1.65E-01	0.0956	8.34E-02	NO
CDK9	ILMN_1747556	CDK9	1025	0.3857	1.53E-16	0.0947	8.63E-02	0.0926	9.37E-02	0.0150	7.87E-01	0.0756	1.71E-01	0.0995	7.16E-02	NO
ACADVL	ILMN_1806408	ACADVL	37	0.3847	1.61E-11	0.1151	3.70E-02	0.1728	1.66E-03	-0.0852	1.23E-01	0.0352	5.25E-01	0.0361	5.14E-01	NO
TMC6	ILMN_1794677	TMC6	11322	0.3840	4.86E-36	0.0843	1.27E-01	0.0517	3.50E-01	0.0600	2.78E-01	0.0906	1.01E-01	0.1250	2.34E-02	NO
ZNF385A	ILMN_1786722	ZNF385A	25946	0.3823	1.27E-03	0.1274	2.08E-02	0.0480	3.85E-01	-0.0592	2.84E-01	-0.0235	6.71E-01	0.0029	9.58E-01	NO
TADA3	ILMN_1674866	TADA3	10474	0.3808	6.51E-15	0.1043	5.88E-02	0.0370	5.04E-01	-0.0254	6.47E-01	0.0009	9.88E-01	0.0273	6.22E-01	NO

ZMIZ2	ILMN_1760718	ZMIZ2	83637	0.3789	3.11E-28	0.0647	2.42E-01	0.0863	1.18E-01	0.0727	1.88E-01	0.1255	2.28E-02	0.1511	6.04E-03	NO
AMT	ILMN_1665331	AMT	275	0.3787	2.38E-02	0.0816	1.40E-01	-0.0021	9.70E-01	-0.1410	1.04E-02	-0.1334	1.54E-02	-0.1325	1.62E-02	NO
AP2A2	ILMN_1803779	AP2A2	161	0.3762	7.73E-02	0.0953	8.43E-02	-0.0994	7.17E-02	-0.0709	1.99E-01	-0.1326	1.61E-02	-0.1006	6.84E-02	NO
CEP164	ILMN_1740385	CEP164	22897	0.3721	3.21E-33	0.1366	1.31E-02	0.0566	3.06E-01	-0.0519	3.48E-01	-0.0110	8.43E-01	0.0189	7.32E-01	NO
PUM1	ILMN_2401155	PUM1	9698	0.3581	9.11E-25	0.0593	2.83E-01	-0.0214	6.99E-01	0.1207	2.86E-02	0.0988	7.36E-02	0.1458	8.09E-03	NO
MIB2	ILMN_2282077	MIB2	142678	0.3580	2.49E-08	0.0482	3.84E-01	0.1053	5.64E-02	-0.0409	4.60E-01	0.0317	5.66E-01	0.0269	6.27E-01	NO
BIN1	ILMN_1674160	BIN1	274	0.3509	2.72E-03	0.0623	2.60E-01	0.0608	2.71E-01	-0.0285	6.07E-01	0.0138	8.03E-01	0.0220	6.91E-01	NO
SLC25A42	ILMN_2222880	SLC25A42	284439	0.3503	4.24E-28	0.0895	1.05E-01	0.1254	2.29E-02	-0.1507	6.16E-03	-0.0577	2.96E-01	-0.0724	1.90E-01	NO
RELA	ILMN_1705266	RELA	5970	0.3447	7.61E-02	0.0995	7.15E-02	0.0382	4.90E-01	-0.0377	4.96E-01	-0.0099	8.58E-01	0.0123	8.24E-01	NO
REPIN1	ILMN_2404385	REPIN1	29803	0.3421	1.48E-08	0.0622	2.61E-01	0.0543	3.26E-01	0.1344	1.47E-02	0.1620	3.21E-03	0.2029	2.11E-04	NO
CDC2L2	ILMN_1711078	CDC2L2	728642	0.3386	1.00E+00	0.0061	9.12E-01	0.1036	6.06E-02	0.1733	1.60E-03	0.2312	2.28E-05	0.2540	3.07E-06	NO
ABLIM1	ILMN_1785424	ABLIM1	3983	0.3354	2.22E-10	0.1171	3.37E-02	-0.0100	8.56E-01	0.0041	9.41E-01	-0.0029	9.59E-01	0.0399	4.71E-01	NO
TTLL3	ILMN_1682818	TTLL3	26140	0.3347	1.13E-02	0.0514	3.52E-01	-0.0127	8.18E-01	-0.0719	1.93E-01	-0.0758	1.70E-01	-0.0705	2.02E-01	NO
YIF1B	ILMN_1758055	YIF1B	90522	0.3245	2.24E-02	0.1181	3.23E-02	-0.0179	7.47E-01	-0.1668	2.40E-03	-0.1681	2.22E-03	-0.1576	4.17E-03	NO
LRFN3	ILMN_2103919	LRFN3	79414	0.2884	4.34E-06	0.0624	2.59E-01	0.0841	1.28E-01	-0.1027	6.27E-02	-0.0403	4.67E-01	-0.0496	3.70E-01	NO
C1ORF35	ILMN_1790202	C1orf35	79169	0.2844	1.72E-01	0.0086	8.76E-01	0.1015	6.59E-02	0.1152	3.68E-02	0.1754	1.40E-03	0.1879	6.13E-04	NO
XYLT2	ILMN_1799815	XYLT2	64132	0.2837	1.85E-32	0.0229	6.79E-01	0.0478	3.87E-01	0.0111	8.41E-01	0.0422	4.45E-01	0.0462	4.04E-01	NO
COPE	ILMN_1738103	COPE	11316	0.2685	6.28E-42	0.0771	1.63E-01	0.1208	2.84E-02	-0.0615	2.66E-01	0.0228	6.80E-01	0.0219	6.92E-01	NO
ZBTB4	ILMN_1795905	ZBTB4	57659	0.2593	6.46E-02	-0.0196	7.24E-01	0.0911	9.90E-02	0.0218	6.94E-01	0.0810	1.43E-01	0.0668	2.27E-01	NO
LSS	ILMN_1715024	LSS	4047	0.2580	7.79E-04	0.0185	7.39E-01	0.0442	4.24E-01	0.0979	7.62E-02	0.1211	2.81E-02	0.1410	1.04E-02	NO
SP2	ILMN_1666482	SP2	6668	0.2505	1.69E-03	-0.0131	8.13E-01	0.1049	5.72E-02	0.0607	2.73E-01	0.1266	2.16E-02	0.1205	2.89E-02	NO
VPS4A	ILMN_1708946	VPS4A	27183	0.2228	6.40E-02	-0.0380	4.92E-01	0.1103	4.56E-02	0.1233	2.53E-02	0.1888	5.75E-04	0.1856	7.15E-04	NO
PCDHB19P	ILMN_1690237	PCDHB19P	84054	0.1157	9.70E-36	0.0070	9.00E-01	0.0103	8.53E-01	0.0211	7.02E-01	0.0266	6.30E-01	0.0319	5.65E-01	NO
AGPAT1	ILMN_1679520	AGPAT1	10554	-0.3944	8.58E-14	-0.1209	2.83E-02	-0.0245	6.58E-01	0.1663	2.47E-03	0.1395	1.13E-02	0.1333	1.55E-02	NO
GTF2F1	ILMN_1748616	GTF2F1	2962	-0.4213	3.79E-25	-0.1017	6.54E-02	-0.0807	1.44E-01	0.0682	2.17E-01	0.0102	8.54E-01	-0.0013	9.81E-01	NO
HMG20B	ILMN_1651315	HMG20B	10362	-0.4587	1.74E-07	-0.1525	5.57E-03	-0.0266	6.30E-01	0.0834	1.31E-01	0.0604	2.75E-01	0.0272	6.23E-01	NO
ENO1	ILMN_1710756	ENO1	2023	-0.4861	5.33E-05	-0.0770	1.63E-01	-0.1460	7.98E-03	0.1143	3.82E-02	0.0099	8.58E-01	0.0244	6.59E-01	NO
RHBDF2	ILMN_2373062	RHBDF2	79651	-0.5000	2.99E-22	-0.0602	2.76E-01	-0.0574	2.99E-01	0.0711	1.98E-01	0.0284	6.08E-01	0.0289	6.02E-01	NO
PLCG1	ILMN_1740160	PLCG1	5335	-0.5002	1.08E-13	-0.1142	3.84E-02	-0.0374	4.99E-01	0.0506	3.60E-01	0.0225	6.84E-01	-0.0023	9.66E-01	NO
FOXJ2	ILMN_1731648	FOXJ2	55810	-0.5576	2.13E-11	-0.1886	5.84E-04	-0.0532	3.36E-01	0.0609	2.71E-01	0.0217	6.95E-01	-0.0250	6.52E-01	NO
TRPT1	ILMN_2364674	TRPT1	83707	-0.5702	3.98E-01	-0.1051	5.69E-02	-0.1593	3.77E-03	0.0076	8.91E-01	-0.0989	7.33E-02	-0.1133	4.00E-02	NO
ZDHHC8	ILMN_1789492	ZDHHC8	29801	-0.5915	6.55E-04	-0.1060	5.49E-02	-0.1267	2.15E-02	0.1023	6.37E-02	0.0115	8.35E-01	0.0112	8.40E-01	NO
YARS	ILMN_1766010	YARS	8565	-0.5956	5.00E-04	-0.1801	1.03E-03	-0.1024	6.36E-02	0.1185	3.17E-02	0.0429	4.38E-01	0.0168	7.61E-01	NO