

Table S5: Brown 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	Module Membership p- Gene Significance	Gene Significance p- Gene Significance	Gene Significance p- Gene Significance	Gene Significance p- Gene Significance	Gene Significance p- Gene Significance	Gene Significance p- Gene Significance	Gene Significance p- Gene Significance	Gene Significance p- Gene Significance	Gene Significance p- Gene Significance	Gene Significance p- Gene Significance		
KLF9	ILMN_1778523	KLF9	687	0.9518	8.37E-64	-0.1764	1.31E-03	-0.1836	8.19E-04	0.1144	3.81E-02	-0.0151	7.86E-01	-0.0302	5.86E-01	YES
PUM1	ILMN_1783424	PUM1	9698	0.9478	1.67E-69	-0.1741	1.52E-03	-0.1608	3.45E-03	0.1448	8.54E-03	0.0286	6.05E-01	0.0173	7.54E-01	YES
PAPOLA	ILMN_1798354	PAPOLA	10914	0.9477	3.61E-55	-0.1754	1.41E-03	-0.1799	1.05E-03	0.0908	1.00E-01	-0.0347	5.31E-01	-0.0545	3.24E-01	YES
GPBP1	ILMN_1711792	GPBP1	65056	0.9469	4.19E-61	-0.1851	7.40E-04	-0.1576	4.17E-03	0.1099	4.63E-02	-0.0019	9.73E-01	-0.0242	6.61E-01	YES
COMMD2	ILMN_1683305	COMMD2	51122	0.9454	6.44E-68	-0.1680	2.23E-03	-0.1604	3.53E-03	0.0249	6.53E-01	-0.0834	1.31E-01	-0.1162	3.52E-02	YES
HIP2	ILMN_1782954	HIP2	3093	0.9433	6.88E-51	-0.1967	3.30E-04	-0.1555	4.71E-03	0.0679	2.19E-01	-0.0398	4.72E-01	-0.0747	1.76E-01	YES
UCLH5	ILMN_1731612	UCLH5	51377	0.9411	1.34E-48	-0.1730	1.63E-03	-0.1509	6.11E-03	0.0921	9.54E-02	-0.0141	7.98E-01	-0.0366	5.08E-01	YES
ADO	ILMN_1690352	ADO	84890	0.9399	3.72E-67	-0.1757	1.38E-03	-0.1822	9.03E-04	0.0702	2.04E-01	-0.0554	3.16E-01	-0.0791	1.52E-01	YES
PDCD6	ILMN_1733931	PDCD6	10016	0.9396	1.60E-59	-0.1672	2.35E-03	-0.1677	2.28E-03	0.0702	2.04E-01	-0.0458	4.08E-01	-0.0683	2.16E-01	YES
SECISBP2L	ILMN_1784333	SECISBP2L	9728	0.9349	1.03E-52	-0.1634	2.95E-03	-0.1689	2.11E-03	0.0359	5.16E-01	-0.0788	1.54E-01	-0.1066	5.33E-02	YES
NMI	ILMN_1739541	NMI	9111	0.9324	1.55E-54	-0.1948	3.79E-04	-0.1947	3.83E-04	0.0541	3.28E-01	-0.0788	1.54E-01	-0.1107	4.48E-02	YES
CMPK1	ILMN_1738642	CMPK1	51727	0.9291	2.09E-66	-0.1737	1.56E-03	-0.1674	2.32E-03	0.0454	4.12E-01	-0.0688	2.13E-01	-0.0986	7.40E-02	YES
C14ORF135	ILMN_2111918	C14orf135	64430	0.9280	9.02E-49	-0.1664	2.46E-03	-0.1943	3.94E-04	-0.0051	9.26E-01	-0.1340	1.50E-02	-0.1677	2.27E-03	YES
S100A12	ILMN_1748915	S100A12	6283	0.9248	7.78E-48	-0.1834	8.33E-04	-0.1807	9.91E-04	0.1427	9.56E-03	0.0134	8.09E-01	0.0011	9.85E-01	YES
EML4	ILMN_1718297	EML4	27436	0.9231	4.02E-69	-0.1349	1.43E-02	-0.1526	5.54E-03	0.1029	6.24E-02	-0.0052	9.25E-01	-0.0121	8.26E-01	NO
KLHL5	ILMN_1706687	KLHL5	51088	0.9230	1.37E-71	-0.2185	6.43E-05	-0.1576	4.16E-03	0.1153	3.65E-02	0.0032	9.54E-01	-0.0297	5.92E-01	YES
C5ORF37	ILMN_2225577	C5orf37	134359	0.9214	1.23E-56	-0.1720	1.74E-03	-0.1655	2.60E-03	0.0678	2.20E-01	-0.0466	4.00E-01	-0.0716	1.95E-01	YES
LOC400027	ILMN_1780773	LOC400027	400027	0.9206	1.73E-51	-0.1566	4.41E-03	-0.1465	7.78E-03	0.0908	1.00E-01	-0.0125	8.22E-01	-0.0301	5.86E-01	YES
ALG6	ILMN_1771411	ALG6	29929	0.9198	1.16E-71	-0.1464	7.82E-03	-0.1330	1.58E-02	0.1441	8.88E-03	0.0464	4.01E-01	0.0410	4.58E-01	NO
SERP1	ILMN_1706817	SERP1	27230	0.9196	6.52E-51	-0.1682	2.20E-03	-0.1685	2.17E-03	-0.0257	6.42E-01	-0.1362	1.34E-02	-0.1779	1.20E-03	YES
S100P	ILMN_1801216	S100P	6286	0.9189	2.11E-51	-0.1921	4.60E-04	-0.1778	1.20E-03	0.1072	5.20E-02	-0.0178	7.47E-01	-0.0405	4.64E-01	YES
CLK1	ILMN_1679727	CLK1	1195	0.9159	3.76E-63	-0.1755	1.39E-03	-0.1698	2.00E-03	0.1418	1.00E-02	0.0198	7.20E-01	0.0086	8.76E-01	YES
IDH1	ILMN_2091347	IDH1	3417	0.9157	2.08E-59	-0.1605	3.50E-03	-0.1562	4.52E-03	0.0755	1.72E-01	-0.0332	5.48E-01	-0.0540	3.29E-01	YES
CMPK1	ILMN_2104877	CMPK1	51727	0.9110	2.91E-73	-0.1932	4.25E-04	-0.1729	1.64E-03	0.1566	4.42E-03	0.0316	5.68E-01	0.0176	7.51E-01	YES
NCK1	ILMN_1698001	NCK1	4690	0.9108	1.16E-52	-0.1746	1.47E-03	-0.1696	2.02E-03	0.0843	1.27E-01	-0.0339	5.40E-01	-0.0561	3.11E-01	YES
CCNL1	ILMN_2094776	CCNL1	57018	0.9099	4.66E-57	-0.1764	1.32E-03	-0.1718	1.77E-03	0.1795	1.08E-03	0.0538	3.31E-01	0.0500	3.66E-01	YES
INSIG1	ILMN_1793474	INSIG1	3638	0.9097	1.02E-68	-0.1816	9.39E-04	-0.1033	6.12E-02	0.1090	4.82E-02	0.0333	5.47E-01	0.0050	9.27E-01	YES
MST4	ILMN_1676159	MST4	51765	0.9090	1.15E-80	-0.1960	3.49E-04	-0.1455	8.22E-03	0.2058	1.70E-04	0.0960	8.21E-02	0.0871	1.15E-01	YES
UBE2A	ILMN_2307455	UBE2A	7319	0.9084	2.45E-49	-0.1976	3.12E-04	-0.1540	5.11E-03	-0.0034	9.51E-01	-0.1057	5.55E-02	-0.1550	4.83E-03	YES
LY96	ILMN_1724533	LY96	23643	0.9084	1.06E-50	-0.1873	6.37E-04	-0.1704	1.92E-03	0.0800	1.47E-01	-0.0384	4.88E-01	-0.0657	2.34E-01	YES
GBAS	ILMN_1778611	GBAS	2631	0.9083	5.40E-46	-0.2059	1.69E-04	-0.1626	3.10E-03	0.0719	1.93E-01	-0.0408	4.60E-01	-0.0772	1.62E-01	YES
SDHD	ILMN_1698487	SDHD	6392	0.9079	4.90E-49	-0.1931	4.28E-04	-0.1558	4.61E-03	0.1251	2.33E-02	0.0135	8.08E-01	-0.0089	8.72E-01	YES
SLC9A6	ILMN_1677829	SLC9A6	10479	0.9074	6.90E-69	-0.1655	2.60E-03	-0.1337	1.53E-02	-0.0636	2.50E-01	-0.1485	6.97E-03	-0.2012	2.40E-04	YES
ARHGAP15	ILMN_2208413	ARHGAP15	55843	0.9072	1.16E-52	-0.1910	4.94E-04	-0.1782	1.17E-03	0.0011	9.84E-01	-0.1175	3.31E-02	-0.1606	3.49E-03	YES
DMTF1	ILMN_2119486	DMTF1	9988	0.9071	1.22E-76	-0.1802	1.03E-03	-0.1095	4.71E-02	0.1130	4.05E-02	0.0330	5.51E-01	0.0067	9.03E-01	YES
C2ORF25	ILMN_1810759	C2orf25	27249	0.9027	7.30E-60	-0.1575	4.19E-03	-0.1313	1.72E-02	0.0592	2.84E-01	-0.0319	5.65E-01	-0.0580	2.95E-01	YES
CUL5	ILMN_2176955	CUL5	8065	0.9025	1.62E-60	-0.2144	8.89E-05	-0.1899	5.35E-04	0.0482	3.83E-01	-0.0812	1.42E-01	-0.1216	2.74E-02	YES
GDI2	ILMN_1754178	GDI2	2665	0.9016	2.14E-75	-0.1765	1.31E-03	-0.1524	5.62E-03	0.1444	8.70E-03	0.0339	5.40E-01	0.0207	7.09E-01	YES
DHX29	ILMN_2090123	DHX29	54505	0.9012	4.58E-52	-0.1596	3.70E-03	-0.1516	5.86E-03	0.0696	2.08E-01	-0.0357	5.19E-01	-0.0579	2.95E-01	YES
GPR65	ILMN_2232121	GPR65	8477	0.9006	6.18E-53	-0.1804	1.01E-03	-0.1497	6.51E-03	0.1010	6.74E-02	-0.0050	9.27E-01	-0.0285	6.06E-01	YES
RAB6A	ILMN_1800871	RAB6A	5870	0.9003	2.19E-62	-0.1641	2.83E-03	-0.1773	1.24E-03	0.1716	1.78E-03	0.0428	4.39E-01	0.0424	4.44E-01	YES
TCEA1	ILMN_2357770	TCEA1	6917	0.8998	5.01E-34	-0.1636	2.91E-03	-0.1698	1.99E-03	-0.0215	6.97E-01	-0.1331	1.57E-02	-0.1722	1.71E-03	YES

NDFIP1	ILMN_1751452	NDFIP1	80762	0.8996	6.12E-80	-0.1316	1.69E-02	-0.1580	4.07E-03	0.0945	8.69E-02	-0.0166	7.64E-01	-0.0233	6.73E-01	NO
SLC11A2	ILMN_1745034	SLC11A2	4891	0.8994	1.99E-48	-0.2135	9.50E-05	-0.1325	1.62E-02	0.0159	7.74E-01	-0.0733	1.85E-01	-0.1271	2.11E-02	YES
CRIP1	ILMN_1813256	CRIP1	9419	0.8991	9.25E-38	-0.1554	4.72E-03	-0.1320	1.66E-02	-0.0074	8.94E-01	-0.0947	8.63E-02	-0.1330	1.57E-02	YES
TSNAX	ILMN_1713668	TSNAX	7257	0.8980	2.28E-44	-0.1948	3.79E-04	-0.1595	3.72E-03	0.0943	8.77E-02	-0.0178	7.48E-01	-0.0463	4.02E-01	YES
KLHL9	ILMN_1664466	KLHL9	55958	0.8977	2.07E-50	-0.1467	7.70E-03	-0.1293	1.90E-02	0.1405	1.07E-02	0.0456	4.10E-01	0.0389	4.82E-01	NO
DERA	ILMN_1811551	DERA	51071	0.8971	1.28E-70	-0.1369	1.30E-02	-0.1853	7.30E-04	0.1521	5.71E-03	0.0191	7.30E-01	0.0254	6.47E-01	NO
CCR2	ILMN_1774761	CCR2	1231	0.8969	3.10E-37	-0.1695	2.04E-03	-0.1389	1.17E-02	-0.0411	4.57E-01	-0.1309	1.75E-02	-0.1798	1.05E-03	YES
C14ORF32	ILMN_1779279	C14orf32	93487	0.8968	6.48E-62	-0.1746	1.48E-03	-0.1379	1.23E-02	0.0046	9.34E-01	-0.0875	1.13E-01	-0.1293	1.89E-02	YES
ZC3HAV1	ILMN_1667068	ZC3HAV1	56829	0.8964	5.24E-54	-0.2145	8.83E-05	-0.1794	1.08E-03	-0.0186	7.37E-01	-0.1367	1.30E-02	-0.1917	4.73E-04	YES
ARL6IP5	ILMN_1769810	ARL6IP5	10550	0.8962	2.57E-38	-0.1796	1.07E-03	-0.1610	3.41E-03	0.0276	6.18E-01	-0.0813	1.41E-01	-0.1174	3.32E-02	YES
COQ2	ILMN_1756572	COQ2	27235	0.8948	3.64E-52	-0.1964	3.38E-04	-0.1641	2.84E-03	0.1877	6.23E-04	0.0666	2.28E-01	0.0564	3.08E-01	YES
FOXO1	ILMN_1738816	FOXO1	2308	0.8941	2.13E-75	-0.1780	1.18E-03	-0.1580	4.07E-03	0.0899	1.04E-01	-0.0209	7.05E-01	-0.0447	4.19E-01	YES
FBXO30	ILMN_1700232	FBXO30	84085	0.8935	1.51E-61	-0.1219	2.71E-02	-0.1219	2.70E-02	0.0700	2.05E-01	-0.0156	7.78E-01	-0.0284	6.08E-01	NO
ATP6AP2	ILMN_1677440	ATP6AP2	10159	0.8922	2.27E-68	-0.1970	3.25E-04	-0.1403	1.09E-02	0.1430	9.37E-03	0.0406	4.62E-01	0.0185	7.39E-01	YES
POLR2B	ILMN_2088172	POLR2B	5431	0.8915	5.65E-54	-0.1810	9.75E-04	-0.1504	6.27E-03	0.0876	1.13E-01	-0.0180	7.44E-01	-0.0443	4.24E-01	YES
SLK	ILMN_2159322	SLK	9748	0.8910	1.61E-42	-0.1276	2.06E-02	-0.1428	9.49E-03	-0.0073	8.95E-01	-0.1019	6.50E-02	-0.1291	1.91E-02	NO
CASP4	ILMN_1678454	CASP4	837	0.8890	3.18E-35	-0.1656	2.58E-03	-0.1238	2.47E-02	0.0424	4.44E-01	-0.0427	4.40E-01	-0.0759	1.70E-01	YES
DYNC1L12	ILMN_1783448	DYNC1L12	1783	0.8876	3.86E-60	-0.1614	3.34E-03	-0.1163	3.50E-02	0.0922	9.49E-02	0.0090	8.71E-01	-0.0139	8.02E-01	YES
PCMTD2	ILMN_1767848	PCMTD2	55251	0.8873	2.27E-51	-0.1444	8.71E-03	-0.1439	8.93E-03	-0.0492	3.73E-01	-0.1419	9.98E-03	-0.1831	8.50E-04	NO
EPS15	ILMN_1665357	EPS15	2060	0.8854	9.44E-89	-0.2116	1.10E-04	-0.1577	4.14E-03	0.2330	1.96E-05	0.1133	4.00E-02	0.1059	5.49E-02	YES
TAF5	ILMN_1684802	TAF5	6877	0.8842	5.99E-50	-0.2101	1.23E-04	-0.1841	7.94E-04	0.0424	4.43E-01	-0.0827	1.34E-01	-0.1236	2.50E-02	YES
LOC647349	ILMN_1658911	LOC647349	647349	0.8826	1.10E-46	-0.1636	2.92E-03	-0.1577	4.15E-03	0.1207	2.86E-02	0.0081	8.83E-01	-0.0046	9.34E-01	YES
UGP2	ILMN_2389155	UGP2	7360	0.8822	5.92E-49	-0.1910	4.96E-04	-0.0997	7.08E-02	0.0485	3.80E-01	-0.0209	7.06E-01	-0.0648	2.41E-01	YES
TMED7	ILMN_1672405	TMED7	51014	0.8817	9.00E-44	-0.1222	2.66E-02	-0.1376	1.25E-02	0.1026	6.31E-02	0.0046	9.34E-01	0.0000	1.00E+00	NO
AP3S1	ILMN_2311761	AP3S1	1176	0.8811	2.96E-53	-0.1599	3.63E-03	-0.1127	4.10E-02	0.0472	3.94E-01	-0.0308	5.78E-01	-0.0625	2.58E-01	YES
SLC44A1	ILMN_1700695	SLC44A1	23446	0.8803	2.82E-76	-0.2066	1.61E-04	-0.0999	7.05E-02	0.1878	6.18E-04	0.1094	4.73E-02	0.0875	1.13E-01	YES
MBNL1	ILMN_1807304	MBNL1	4154	0.8799	1.50E-39	-0.1323	1.64E-02	-0.1356	1.38E-02	-0.1039	5.97E-02	-0.1876	6.27E-04	-0.2363	1.48E-05	NO
EIF4G2	ILMN_2380946	EIF4G2	1982	0.8796	7.92E-42	-0.1322	1.64E-02	-0.1693	2.05E-03	0.0276	6.18E-01	-0.0869	1.16E-01	-0.1055	5.59E-02	NO
SRP54	ILMN_1753862	SRP54	6729	0.8792	7.35E-50	-0.1718	1.76E-03	-0.0870	1.15E-01	0.0176	7.51E-01	-0.0414	4.54E-01	-0.0863	1.18E-01	YES
SMARCE1	ILMN_1747857	SMARCE1	6605	0.8786	5.52E-75	-0.1934	4.20E-04	-0.1514	5.92E-03	0.1308	1.76E-02	0.0218	6.94E-01	-0.0001	9.98E-01	YES
SPTLC1	ILMN_1813491	SPTLC1	10558	0.8781	1.35E-36	-0.1689	2.12E-03	-0.1458	8.10E-03	-0.0466	3.99E-01	-0.1406	1.07E-02	-0.1896	5.47E-04	YES
IRAK4	ILMN_1692352	IRAK4	51135	0.8778	9.31E-59	-0.1764	1.32E-03	-0.1625	3.11E-03	0.0431	4.36E-01	-0.0678	2.20E-01	-0.0996	7.12E-02	YES
PREI3	ILMN_1733356	PREI3	25843	0.8771	6.67E-60	-0.2171	7.20E-05	-0.1886	5.83E-04	0.1325	1.62E-02	-0.0014	9.80E-01	-0.0264	6.34E-01	YES
TNPO1	ILMN_1837935	TNPO1	3842	0.8770	2.71E-69	-0.1824	8.86E-04	-0.1479	7.21E-03	0.1258	2.25E-02	0.0194	7.25E-01	-0.0001	9.99E-01	YES
TM2D2	ILMN_1741171	TM2D2	83877	0.8768	5.66E-42	-0.1382	1.21E-02	-0.1522	5.68E-03	0.0065	9.06E-01	-0.0952	8.48E-02	-0.1222	2.66E-02	NO
TAX1BP1	ILMN_1793118	TAX1BP1	8887	0.8751	5.25E-54	-0.1723	1.70E-03	-0.1947	3.81E-04	0.1485	6.97E-03	0.0095	8.63E-01	0.0040	9.43E-01	YES
SLC35A1	ILMN_1741440	SLC35A1	10559	0.8721	2.30E-52	-0.1913	4.86E-04	-0.1530	5.43E-03	0.0705	2.02E-01	-0.0357	5.18E-01	-0.0685	2.15E-01	YES
CCDC77	ILMN_2101375	CCDC77	84318	0.8714	2.04E-66	-0.2367	1.44E-05	-0.2075	1.50E-04	0.0269	6.27E-01	-0.1129	4.07E-02	-0.1630	3.03E-03	YES
LSM14A	ILMN_2079803	LSM14A	26065	0.8709	7.32E-40	-0.1789	1.12E-03	-0.1816	9.36E-04	-0.0450	4.16E-01	-0.1630	3.03E-03	-0.2105	1.20E-04	YES
CDKN2AIP	ILMN_1773066	CDKN2AIP	55602	0.8701	4.62E-48	-0.1373	1.27E-02	-0.1432	9.31E-03	-0.0854	1.22E-01	-0.1752	1.42E-03	-0.2211	5.23E-05	NO
XPR1	ILMN_2104106	XPR1	9213	0.8697	1.49E-52	-0.1421	9.88E-03	-0.1250	2.34E-02	0.1212	2.79E-02	0.0304	5.83E-01	0.0210	7.05E-01	NO
MKKS	ILMN_1718718	MKKS	8195	0.8680	5.91E-63	-0.2321	2.11E-05	-0.1736	1.57E-03	0.0116	8.34E-01	-0.1047	5.79E-02	-0.1605	3.51E-03	YES
OAT	ILMN_2068747	OAT	4942	0.8678	1.52E-49	-0.1569	4.34E-03	-0.1863	6.84E-04	0.0947	8.63E-02	-0.0352	5.24E-01	-0.0471	3.95E-01	YES
CNIH	ILMN_2330112	CNIH	10175	0.8671	7.71E-42	-0.1580	4.06E-03	-0.1751	1.43E-03	0.0787	1.54E-01	-0.0428	4.39E-01	-0.0596	2.81E-01	YES
PRKAA1	ILMN_1783889	PRKAA1	5562	0.8666	2.79E-32	-0.1156	3.61E-02	-0.1733	1.60E-03	0.0634	2.51E-01	-0.0559	3.12E-01	-0.0612	2.68E-01	NO
ATF4	ILMN_1672128	ATF4	468	0.8663	1.13E-48	-0.1695	2.03E-03	-0.0786	1.55E-01	0.0786	1.55E-01	0.0213	7.00E-01	-0.0120	8.29E-01	YES

RCOR3	ILMN_1682095	RCOR3	55758	0.8656	1.17E-41	-0.1600	3.61E-03	-0.0883	1.10E-01	0.0215	6.98E-01	-0.0386	4.85E-01	-0.0786	1.55E-01	YES
TMED7	ILMN_2186482	TMED7	51014	0.8650	3.51E-58	-0.1477	7.29E-03	-0.2008	2.46E-04	0.0069	9.00E-01	-0.1271	2.11E-02	-0.1511	6.04E-03	NO
C10ORF32	ILMN_2151056	C10orf32	119032	0.8629	2.49E-71	-0.1812	9.64E-04	-0.1569	4.34E-03	0.1498	6.48E-03	0.0360	5.16E-01	0.0227	6.81E-01	YES
UPF2	ILMN_2383693	UPF2	26019	0.8623	1.37E-48	-0.1398	1.11E-02	-0.1168	3.43E-02	0.0939	8.92E-02	0.0102	8.53E-01	-0.0048	9.31E-01	NO
CAPRIN1	ILMN_1782897	CAPRIN1	4076	0.8622	4.86E-45	-0.1561	4.55E-03	-0.1780	1.19E-03	0.0754	1.72E-01	-0.0478	3.88E-01	-0.0642	2.46E-01	YES
STARD3NL	ILMN_2228873	STARD3NL	83930	0.8622	5.03E-37	-0.1842	7.86E-04	-0.1551	4.80E-03	0.1011	6.71E-02	-0.0085	8.78E-01	-0.0326	5.56E-01	YES
SC5DL	ILMN_1677607	SC5DL	6309	0.8606	1.31E-50	-0.1385	1.19E-02	-0.1119	4.24E-02	-0.0160	7.72E-01	-0.0895	1.05E-01	-0.1263	2.20E-02	NO
PRKAA1	ILMN_2357577	PRKAA1	5562	0.8605	2.39E-39	-0.1531	5.38E-03	-0.1336	1.53E-02	0.1128	4.08E-02	0.0168	7.62E-01	0.0030	9.57E-01	YES
ABI1	ILMN_2329958	ABI1	10006	0.8604	3.96E-63	-0.1723	1.71E-03	-0.1645	2.77E-03	0.0955	8.38E-02	-0.0200	7.18E-01	-0.0399	4.71E-01	YES
SPPL2A	ILMN_1734229	SPPL2A	84888	0.8603	1.85E-77	-0.1793	1.09E-03	-0.1020	6.47E-02	0.1281	2.02E-02	0.0521	3.46E-01	0.0282	6.11E-01	YES
OSBPL8	ILMN_1782459	OSBPL8	114882	0.8603	4.83E-50	-0.2027	2.15E-04	-0.1930	4.31E-04	0.1080	5.03E-02	-0.0272	6.22E-01	-0.0515	3.52E-01	YES
SMC4	ILMN_2330861	SMC4	10051	0.8600	6.81E-46	-0.1387	1.18E-02	-0.1066	5.33E-02	0.0045	9.35E-01	-0.0667	2.28E-01	-0.1002	6.95E-02	NO
ETF1	ILMN_2222992	ETF1	2107	0.8599	3.69E-47	-0.1148	3.75E-02	-0.1119	4.26E-02	0.0002	9.98E-01	-0.0743	1.79E-01	-0.0996	7.11E-02	NO
MAP2K1IP1	ILMN_1659415	MAP2K1IP1	8649	0.8582	4.42E-53	-0.1537	5.20E-03	-0.1298	1.85E-02	0.0243	6.61E-01	-0.0636	2.50E-01	-0.0954	8.40E-02	YES
PPP1CB	ILMN_2405018	PPP1CB	5500	0.8572	1.26E-43	-0.1652	2.65E-03	-0.1424	9.70E-03	0.0652	2.38E-01	-0.0337	5.43E-01	-0.0598	2.79E-01	YES
TROVE2	ILMN_2241775	TROVE2	6738	0.8570	3.92E-34	-0.1734	1.59E-03	-0.2008	2.46E-04	0.0023	9.67E-01	-0.1314	1.71E-02	-0.1652	2.64E-03	YES
SOCS4	ILMN_2413259	SOCS4	122809	0.8565	9.88E-64	-0.1623	3.16E-03	-0.1045	5.83E-02	0.0979	7.63E-02	0.0221	6.89E-01	-0.0015	9.78E-01	YES
MATR3	ILMN_1815107	MATR3	9782	0.8564	2.87E-71	-0.1268	2.14E-02	-0.1452	8.34E-03	-0.0878	1.12E-01	-0.1789	1.12E-03	-0.2214	5.12E-05	NO
CD36	ILMN_1796094	CD36	948	0.8557	6.36E-47	-0.1598	3.66E-03	-0.1368	1.30E-02	0.0297	5.91E-01	-0.0632	2.53E-01	-0.0952	8.48E-02	YES
MON2	ILMN_1697200	MON2	23041	0.8554	1.89E-51	-0.1766	1.30E-03	-0.1775	1.23E-03	0.1203	2.92E-02	-0.0054	9.22E-01	-0.0202	7.15E-01	YES
TBPL1	ILMN_1708147	TBPL1	9519	0.8552	2.00E-62	-0.1808	9.85E-04	-0.1323	1.64E-02	0.0885	1.09E-01	-0.0051	9.27E-01	-0.0334	5.46E-01	YES
SLC35A5	ILMN_1709817	SLC35A5	55032	0.8539	3.16E-90	-0.1903	5.20E-04	-0.1307	1.77E-02	0.2331	1.95E-05	0.1313	1.71E-02	0.1279	2.03E-02	YES
C6ORF62	ILMN_1653797	C6orf62	81688	0.8532	9.42E-35	-0.1743	1.50E-03	-0.1088	4.86E-02	0.0385	4.86E-01	-0.0363	5.11E-01	-0.0752	1.73E-01	YES
PIGA	ILMN_1705985	PIGA	5277	0.8530	1.88E-77	-0.1231	2.55E-02	-0.1293	1.90E-02	0.1215	2.75E-02	0.0278	6.15E-01	0.0256	6.44E-01	NO
LIPT1	ILMN_2343105	LIPT1	51601	0.8529	1.10E-25	-0.1534	5.29E-03	-0.1405	1.07E-02	0.0333	5.47E-01	-0.0623	2.60E-01	-0.0909	1.00E-01	YES
NUDT3	ILMN_1724907	NUDT3	11165	0.8526	4.25E-90	-0.1516	5.87E-03	-0.1115	4.32E-02	0.1686	2.15E-03	0.0837	1.30E-01	0.0786	1.55E-01	YES
GRPEL2	ILMN_1721138	GRPEL2	134266	0.8525	6.18E-63	-0.1792	1.10E-03	-0.1359	1.36E-02	0.1432	9.31E-03	0.0437	4.30E-01	0.0271	6.24E-01	YES
FBXO28	ILMN_2045911	FBXO28	23219	0.8525	9.88E-31	-0.1029	6.22E-02	-0.1844	7.80E-04	-0.0165	7.65E-01	-0.1381	1.21E-02	-0.1533	5.32E-03	NO
G3BP2	ILMN_1720422	G3BP2	9908	0.8518	9.76E-57	-0.1199	2.96E-02	-0.1328	1.60E-02	-0.0623	2.60E-01	-0.1467	7.69E-03	-0.1834	8.30E-04	NO
SYF2	ILMN_1660186	SYF2	25949	0.8509	1.59E-31	-0.1281	2.01E-02	-0.1355	1.39E-02	-0.0265	6.32E-01	-0.1149	3.72E-02	-0.1471	7.53E-03	NO
ZNF644	ILMN_1730118	ZNF644	84146	0.8499	4.24E-51	-0.2389	1.19E-05	-0.1690	2.10E-03	-0.0058	9.17E-01	-0.1178	3.26E-02	-0.1801	1.04E-03	YES
CROP	ILMN_2299072	CROP	51747	0.8497	5.60E-62	-0.2169	7.27E-05	-0.1281	2.01E-02	0.1207	2.87E-02	0.0277	6.16E-01	-0.0073	8.95E-01	YES
RBM15	ILMN_1666739	RBM15	64783	0.8484	3.94E-73	-0.2235	4.31E-05	-0.1165	3.46E-02	0.2014	2.36E-04	0.1111	4.41E-02	0.0881	1.11E-01	YES
HDAC2	ILMN_1767747	HDAC2	3066	0.8483	1.88E-31	-0.1432	9.29E-03	-0.1406	1.07E-02	0.0671	2.25E-01	-0.0307	5.79E-01	-0.0491	3.75E-01	NO
SKP1A	ILMN_1711766	SKP1A	6500	0.8476	1.17E-53	-0.1886	5.83E-04	-0.0943	8.77E-02	0.0635	2.51E-01	-0.0033	9.53E-01	-0.0441	4.25E-01	YES
CDV3	ILMN_1673788	CDV3	55573	0.8475	2.28E-40	-0.2119	1.07E-04	-0.1700	1.97E-03	0.0417	4.51E-01	-0.0741	1.80E-01	-0.1175	3.32E-02	YES
BEX4	ILMN_2351638	BEX4	56271	0.8474	4.66E-34	-0.1612	3.38E-03	-0.1408	1.05E-02	0.0797	1.49E-01	-0.0190	7.31E-01	-0.0411	4.57E-01	YES
ANKMY2	ILMN_1784292	ANKMY2	57037	0.8458	1.65E-63	-0.1024	6.37E-02	-0.1506	6.21E-03	0.0914	9.78E-02	-0.0145	7.93E-01	-0.0127	8.18E-01	NO
TMED5	ILMN_1803279	TMED5	50999	0.8455	1.39E-49	-0.1831	8.48E-04	-0.0932	9.15E-02	0.1249	2.34E-02	0.0550	3.20E-01	0.0280	6.13E-01	YES
C16ORF63	ILMN_1790650	C16orf63	123811	0.8443	3.73E-37	-0.1496	6.57E-03	-0.1149	3.73E-02	0.0471	3.95E-01	-0.0323	5.59E-01	-0.0602	2.76E-01	YES
PCMTD1	ILMN_1737426	PCMTD1	115294	0.8439	3.54E-77	-0.0672	2.24E-01	-0.1079	5.05E-02	0.0197	7.22E-01	-0.0534	3.34E-01	-0.0589	2.87E-01	NO
GOLGA5	ILMN_1773741	GOLGA5	9950	0.8438	5.80E-35	-0.1444	8.71E-03	-0.1186	3.16E-02	0.0267	6.30E-01	-0.0539	3.30E-01	-0.0835	1.31E-01	NO
B2M	ILMN_1725427	B2M	567	0.8435	9.25E-34	-0.1860	6.97E-04	-0.1516	5.85E-03	0.1129	4.07E-02	0.0049	9.30E-01	-0.0180	7.46E-01	YES
HNRNPH2	ILMN_2362245	HNRNPH2	3188	0.8430	1.80E-44	-0.1250	2.34E-02	-0.1195	3.02E-02	-0.0669	2.26E-01	-0.1422	9.81E-03	-0.1833	8.38E-04	NO
FEM1C	ILMN_1703330	FEM1C	56929	0.8425	8.62E-31	-0.1481	7.12E-03	-0.1582	4.01E-03	0.0431	4.36E-01	-0.0649	2.41E-01	-0.0874	1.14E-01	NO
SELT	ILMN_1746368	SELT	51714	0.8410	7.19E-47	-0.1415	1.02E-02	-0.1542	5.05E-03	-0.0805	1.45E-01	-0.1780	1.18E-03	-0.2230	4.48E-05	NO

SRP9	ILMN_2099594	SRP9	6726	0.8409	2.17E-44	-0.2254	3.69E-05	-0.1287	1.96E-02	0.1153	3.65E-02	0.0224	6.85E-01	-0.0166	7.65E-01	YES
RAB10	ILMN_1793433	RAB10	10890	0.8405	2.05E-78	-0.1607	3.47E-03	-0.1173	3.34E-02	0.1306	1.78E-02	0.0443	4.24E-01	0.0292	5.97E-01	YES
ST3GAL6	ILMN_1781560	ST3GAL6	10402	0.8403	8.40E-45	-0.1804	1.01E-03	-0.1807	9.93E-04	0.0579	2.95E-01	-0.0660	2.33E-01	-0.0939	8.89E-02	YES
LOC440280	ILMN_1799069	LOC440280	440280	0.8398	2.86E-38	-0.1540	5.12E-03	-0.1711	1.85E-03	-0.0185	7.38E-01	-0.1311	1.73E-02	-0.1661	2.51E-03	YES
TSC22D2	ILMN_2124187	TSC22D2	9819	0.8396	9.34E-47	-0.1582	4.01E-03	-0.1200	2.96E-02	0.0038	9.46E-01	-0.0763	1.68E-01	-0.1149	3.72E-02	YES
TMF1	ILMN_1661142	TMF1	7110	0.8390	7.86E-63	-0.1451	8.38E-03	-0.1914	4.83E-04	0.1701	1.96E-03	0.0320	5.63E-01	0.0397	4.73E-01	NO
LOC284988	ILMN_1733453	LOC284988	284988	0.8389	1.47E-50	-0.2262	3.47E-05	-0.1751	1.43E-03	0.1941	3.99E-04	0.0653	2.37E-01	0.0475	3.91E-01	YES
PTPN11	ILMN_1778236	PTPN11	5781	0.8386	6.04E-31	-0.1698	2.00E-03	-0.0775	1.61E-01	0.0361	5.14E-01	-0.0178	7.48E-01	-0.0596	2.81E-01	YES
ORC3L	ILMN_1784946	ORC3L	23595	0.8385	4.75E-33	-0.1748	1.46E-03	-0.2106	1.18E-04	0.1180	3.24E-02	-0.0296	5.92E-01	-0.0400	4.70E-01	YES
STT3B	ILMN_2194448	STT3B	201595	0.8384	6.73E-50	-0.1292	1.90E-02	-0.1666	2.43E-03	0.0169	7.60E-01	-0.0950	8.52E-02	-0.1151	3.70E-02	NO
MUDENG	ILMN_1741331	MUDENG	55745	0.8381	1.35E-44	-0.1988	2.86E-04	-0.1191	3.07E-02	0.0754	1.72E-01	-0.0086	8.76E-01	-0.0474	3.91E-01	YES
TAX1BP1	ILMN_2374770	TAX1BP1	8887	0.8380	1.57E-44	-0.1493	6.67E-03	-0.1218	2.72E-02	-0.0077	8.89E-01	-0.0882	1.10E-01	-0.1258	2.24E-02	YES
STX7	ILMN_1792518	STX7	8417	0.8374	3.61E-46	-0.1220	2.70E-02	-0.1060	5.46E-02	-0.0033	9.53E-01	-0.0736	1.83E-01	-0.1029	6.23E-02	NO
ZNF800	ILMN_1688346	ZNF800	168850	0.8372	1.10E-46	-0.2121	1.06E-04	-0.1172	3.36E-02	0.0274	6.21E-01	-0.0523	3.44E-01	-0.1054	5.61E-02	YES
C6ORF111	ILMN_2161357	C6orf111	25957	0.8369	1.29E-44	-0.1661	2.52E-03	-0.1809	9.79E-04	0.0693	2.10E-01	-0.0554	3.16E-01	-0.0761	1.68E-01	YES
CEPT1	ILMN_1676588	CEPT1	10390	0.8356	1.38E-52	-0.2040	1.95E-04	-0.1581	4.04E-03	0.1328	1.59E-02	0.0192	7.28E-01	-0.0051	9.26E-01	YES
RYK	ILMN_1658526	RYK	6259	0.8351	1.31E-65	-0.1672	2.35E-03	-0.1397	1.12E-02	0.2219	4.89E-05	0.1149	3.72E-02	0.1184	3.17E-02	YES
FGL2	ILMN_1693009	FGL2	10875	0.8350	1.36E-28	-0.1322	1.64E-02	-0.1220	2.69E-02	-0.0125	8.21E-01	-0.0928	9.27E-02	-0.1254	2.29E-02	NO
C1ORF25	ILMN_1665300	C1orf25	81627	0.8350	1.46E-38	-0.1836	8.19E-04	-0.1252	2.32E-02	0.1977	3.08E-04	0.1019	6.48E-02	0.0931	9.16E-02	YES
ARGLU1	ILMN_1788468	ARGLU1	55082	0.8350	5.24E-51	-0.1461	7.95E-03	-0.1336	1.53E-02	-0.0310	5.76E-01	-0.1179	3.26E-02	-0.1574	4.20E-03	NO
CCDC14	ILMN_1677239	CCDC14	64770	0.8342	4.75E-47	-0.1902	5.25E-04	-0.1790	1.11E-03	0.2031	2.08E-04	0.0712	1.98E-01	0.0681	2.18E-01	YES
ZNF20	ILMN_1670377	ZNF20	7568	0.8340	6.36E-67	-0.1417	1.01E-02	-0.1249	2.34E-02	0.1221	2.68E-02	0.0312	5.72E-01	0.0222	6.89E-01	NO
OAT	ILMN_1654441	OAT	4942	0.8336	1.00E-31	-0.1446	8.61E-03	-0.1485	6.99E-03	0.0464	4.02E-01	-0.0553	3.17E-01	-0.0772	1.62E-01	NO
RNF38	ILMN_1793616	RNF38	152006	0.8330	1.01E-30	-0.1891	5.64E-04	-0.1937	4.09E-04	0.1373	1.27E-02	-0.0003	9.96E-01	-0.0140	8.00E-01	YES
TMBIM4	ILMN_1664750	TMBIM4	51643	0.8328	4.57E-47	-0.2028	2.13E-04	-0.1376	1.25E-02	0.0519	3.48E-01	-0.0429	4.38E-01	-0.0854	1.22E-01	YES
LOC653226	ILMN_1763404	LOC653226	653226	0.8327	5.02E-44	-0.1802	1.03E-03	-0.1322	1.65E-02	0.1415	1.02E-02	0.0446	4.20E-01	0.0269	6.27E-01	YES
ATG3	ILMN_1769566	ATG3	64422	0.8325	1.28E-30	-0.1672	2.34E-03	-0.1892	5.60E-04	0.1561	4.53E-03	0.0203	7.13E-01	0.0173	7.54E-01	YES
VCPIP1	ILMN_1682180	VCPIP1	80124	0.8324	3.79E-44	-0.1035	6.08E-02	-0.1014	6.63E-02	-0.0126	8.19E-01	-0.0793	1.51E-01	-0.1046	5.81E-02	NO
UBXN4	ILMN_1781097	UBXN4	23190	0.8323	1.59E-32	-0.1390	1.16E-02	-0.1232	2.54E-02	0.0307	5.80E-01	-0.0532	3.36E-01	-0.0796	1.50E-01	NO
USP8	ILMN_1715188	USP8	9101	0.8313	2.92E-59	-0.1410	1.05E-02	-0.1428	9.48E-03	-0.0619	2.63E-01	-0.1530	5.42E-03	-0.1956	3.58E-04	NO
ANKRD46	ILMN_1712298	ANKRD46	157567	0.8301	2.57E-48	-0.1319	1.67E-02	-0.1605	3.52E-03	0.0599	2.79E-01	-0.0507	3.60E-01	-0.0640	2.47E-01	NO
CLN5	ILMN_1778203	CLN5	1203	0.8277	8.29E-56	-0.1506	6.20E-03	-0.1444	8.72E-03	-0.0124	8.22E-01	-0.1077	5.10E-02	-0.1438	9.01E-03	YES
CP110	ILMN_1773200	CP110	9738	0.8272	5.06E-59	-0.1767	1.29E-03	-0.0963	8.13E-02	0.0326	5.56E-01	-0.0335	5.45E-01	-0.0760	1.69E-01	YES
ZNF627	ILMN_2197519	ZNF627	199692	0.8270	2.73E-80	-0.2014	2.36E-04	-0.1344	1.47E-02	0.2387	1.20E-05	0.1342	1.49E-02	0.1285	1.98E-02	YES
HNRPH3	ILMN_1654920	HNRPH3	3189	0.8267	8.53E-22	-0.1295	1.88E-02	-0.1932	4.24E-04	-0.0229	6.79E-01	-0.1500	6.43E-03	-0.1745	1.49E-03	NO
KIAA1737	ILMN_1788347	KIAA1737	85457	0.8266	2.01E-41	-0.1016	6.56E-02	-0.0954	8.42E-02	0.0359	5.16E-01	-0.0298	5.90E-01	-0.0457	4.08E-01	NO
KIAA1370	ILMN_1700733	KIAA1370	56204	0.8261	3.15E-61	-0.1292	1.90E-02	-0.1061	5.45E-02	0.1114	4.35E-02	0.0337	5.43E-01	0.0244	6.60E-01	NO
MST4	ILMN_2328776	MST4	51765	0.8259	1.04E-41	-0.1646	2.74E-03	-0.1190	3.09E-02	0.0375	4.98E-01	-0.0441	4.26E-01	-0.0785	1.56E-01	YES
AGA	ILMN_1802631	AGA	175	0.8258	1.82E-56	-0.1644	2.78E-03	-0.1615	3.30E-03	0.1292	1.90E-02	0.0135	8.07E-01	0.0027	9.61E-01	YES
KLHL24	ILMN_1678671	KLHL24	54800	0.8256	3.86E-64	-0.2001	2.59E-04	-0.1112	4.39E-02	-0.0453	4.13E-01	-0.1164	3.49E-02	-0.1803	1.02E-03	YES
KIF2A	ILMN_1734476	KIF2A	3796	0.8256	6.68E-27	-0.1328	1.59E-02	-0.1479	7.20E-03	0.0451	4.14E-01	-0.0561	3.10E-01	-0.0743	1.79E-01	NO
MORF4L1	ILMN_1760676	MORF4L1	10933	0.8255	6.17E-48	-0.1511	6.04E-03	-0.1181	3.23E-02	-0.0506	3.60E-01	-0.1260	2.23E-02	-0.1731	1.63E-03	YES
ABCB10	ILMN_1665730	ABCB10	23456	0.8252	6.53E-63	-0.1915	4.77E-04	-0.0991	7.27E-02	-0.0219	6.92E-01	-0.0864	1.18E-01	-0.1444	8.72E-03	YES
SNAPC3	ILMN_1803611	SNAPC3	6619	0.8244	7.68E-29	-0.1104	4.54E-02	-0.1181	3.22E-02	0.0201	7.17E-01	-0.0598	2.80E-01	-0.0789	1.53E-01	NO
SENP7	ILMN_2382354	SENP7	57337	0.8241	1.04E-58	-0.1579	4.08E-03	-0.1133	4.01E-02	0.0764	1.67E-01	-0.0038	9.45E-01	-0.0290	6.00E-01	YES
LMNB1	ILMN_2126706	LMNB1	4001	0.8240	2.19E-33	-0.1813	9.54E-04	-0.1548	4.90E-03	0.0947	8.64E-02	-0.0143	7.96E-01	-0.0387	4.84E-01	YES

TAF2	ILMN_1694888	TAF2	6873	0.8215	1.03E-76	-0.2197	5.85E-05	-0.0991	7.26E-02	0.1086	4.90E-02	0.0358	5.18E-01	-0.0063	9.09E-01	YES
FAM133B	ILMN_1777745	FAM133B	257415	0.8214	4.02E-26	-0.1357	1.38E-02	-0.1330	1.58E-02	0.0848	1.25E-01	-0.0091	8.70E-01	-0.0224	6.86E-01	NO
GALC	ILMN_1799744	GALC	2581	0.8208	1.89E-57	-0.1802	1.03E-03	-0.1076	5.12E-02	-0.0845	1.26E-01	-0.1507	6.18E-03	-0.2159	7.91E-05	YES
PAG1	ILMN_2055156	PAG1	55824	0.8189	4.50E-52	-0.2240	4.13E-05	-0.1500	6.43E-03	0.1977	3.10E-04	0.0853	1.22E-01	0.0657	2.34E-01	YES
ZNF451	ILMN_1706734	ZNF451	26036	0.8186	4.51E-56	-0.2448	7.08E-06	-0.1071	5.24E-02	0.1276	2.07E-02	0.0482	3.83E-01	0.0021	9.69E-01	YES
FOXN2	ILMN_1736510	FOXN2	3344	0.8186	2.06E-39	-0.2088	1.36E-04	-0.1086	4.91E-02	0.0132	8.11E-01	-0.0599	2.79E-01	-0.1157	3.59E-02	YES
STRN3	ILMN_1772946	STRN3	29966	0.8184	1.03E-29	-0.1295	1.88E-02	-0.1650	2.68E-03	0.1093	4.76E-02	-0.0075	8.93E-01	-0.0097	8.61E-01	NO
NRIP1	ILMN_1718629	NRIP1	8204	0.8182	1.45E-41	-0.1346	1.46E-02	-0.1127	4.10E-02	0.0180	7.46E-01	-0.0582	2.93E-01	-0.0868	1.16E-01	NO
SMG1	ILMN_1801383	SMG1	23049	0.8177	2.15E-74	-0.1601	3.59E-03	-0.0954	8.40E-02	0.1909	4.98E-04	0.1153	3.65E-02	0.1095	4.71E-02	YES
COIL	ILMN_1688034	COIL	8161	0.8176	3.06E-51	-0.2014	2.36E-04	-0.1473	7.44E-03	-0.0482	3.84E-01	-0.1431	9.33E-03	-0.2035	2.03E-04	YES
ZBED5	ILMN_2093500	ZBED5	58486	0.8169	3.91E-36	-0.1922	4.55E-04	-0.2000	2.61E-04	-0.0059	9.15E-01	-0.1386	1.19E-02	-0.1806	9.99E-04	YES
RCN2	ILMN_1662129	RCN2	5955	0.8159	1.02E-34	-0.1485	6.99E-03	-0.1139	3.89E-02	-0.0008	9.88E-01	-0.0766	1.66E-01	-0.1135	3.96E-02	YES
ANKRD49	ILMN_1669259	ANKRD49	54851	0.8152	3.04E-54	-0.1708	1.88E-03	-0.1142	3.84E-02	0.1748	1.46E-03	0.0877	1.12E-01	0.0774	1.61E-01	YES
SMEK2	ILMN_1661650	SMEK2	57223	0.8143	7.51E-50	-0.1817	9.33E-04	-0.1380	1.22E-02	-0.0677	2.21E-01	-0.1552	4.78E-03	-0.2137	9.36E-05	YES
ZBED5	ILMN_1664424	ZBED5	58486	0.8141	1.01E-49	-0.1932	4.23E-04	-0.1176	3.30E-02	0.0176	7.50E-01	-0.0618	2.64E-01	-0.1102	4.58E-02	YES
XRCC6BP1	ILMN_1767481	XRCC6BP1	91419	0.8135	9.31E-30	-0.1529	5.46E-03	-0.0548	3.22E-01	0.0351	5.26E-01	-0.0036	9.49E-01	-0.0426	4.41E-01	YES
KTELC1	ILMN_1774800	KTELC1	56983	0.8132	2.48E-49	-0.2401	1.06E-05	-0.1288	1.94E-02	-0.0641	2.46E-01	-0.1458	8.10E-03	-0.2250	3.81E-05	YES
SSR1	ILMN_1750693	SSR1	6745	0.8132	1.15E-79	-0.2411	9.80E-06	-0.1603	3.56E-03	0.0862	1.18E-01	-0.0258	6.40E-01	-0.0719	1.93E-01	YES
FBXW7	ILMN_1754279	FBXW7	55294	0.8125	1.48E-49	-0.1810	9.76E-04	-0.1408	1.05E-02	0.1144	3.80E-02	0.0135	8.08E-01	-0.0087	8.75E-01	YES
RIPK2	ILMN_1758939	RIPK2	8767	0.8118	1.29E-52	-0.1318	1.68E-02	-0.0694	2.09E-01	0.1106	4.49E-02	0.0575	2.99E-01	0.0424	4.43E-01	NO
DNAJA2	ILMN_1770127	DNAJA2	10294	0.8107	9.59E-51	-0.1570	4.31E-03	-0.0690	2.12E-01	0.0989	7.31E-02	0.0467	3.98E-01	0.0206	7.10E-01	YES
LOC440354	ILMN_1782377	LOC440354	440354	0.8107	1.44E-78	-0.1512	6.00E-03	-0.0809	1.43E-01	0.1674	2.31E-03	0.1030	6.20E-02	0.0938	8.93E-02	YES
DEK	ILMN_1747630	DEK	7913	0.8106	3.51E-61	-0.1991	2.78E-04	-0.1102	4.58E-02	0.1576	4.16E-03	0.0743	1.79E-01	0.0503	3.63E-01	YES
PDS5A	ILMN_1670931	PDS5A	23244	0.8106	2.72E-38	-0.1422	9.79E-03	-0.1252	2.32E-02	0.0401	4.68E-01	-0.0457	4.09E-01	-0.0710	1.99E-01	NO
ZNF700	ILMN_2068435	ZNF700	90592	0.8104	3.91E-47	-0.1729	1.64E-03	-0.1206	2.88E-02	0.0875	1.13E-01	0.0017	9.75E-01	-0.0255	6.44E-01	YES
UGP2	ILMN_2389151	UGP2	7360	0.8098	1.89E-24	-0.1259	2.23E-02	-0.1318	1.68E-02	0.0261	6.38E-01	-0.0632	2.53E-01	-0.0848	1.25E-01	NO
BTF3L4	ILMN_2072140	BTF3L4	91408	0.8097	3.71E-39	-0.1182	3.21E-02	-0.1639	2.87E-03	-0.0411	4.58E-01	-0.1475	7.37E-03	-0.1754	1.40E-03	NO
CBR4	ILMN_1813400	CBR4	84869	0.8095	2.68E-44	-0.1246	2.38E-02	-0.0951	8.49E-02	0.0234	6.72E-01	-0.0413	4.55E-01	-0.0677	2.21E-01	NO
C14ORF106	ILMN_1666208	C14orf106	55320	0.8077	1.77E-31	-0.1896	5.46E-04	-0.1211	2.81E-02	0.0566	3.06E-01	-0.0275	6.19E-01	-0.0665	2.29E-01	YES
C14ORF135	ILMN_1680781	C14orf135	64430	0.8074	2.22E-40	-0.1404	1.08E-02	-0.1135	3.96E-02	0.0366	5.08E-01	-0.0412	4.56E-01	-0.0681	2.18E-01	NO
YME1L1	ILMN_1734316	YME1L1	10730	0.8063	1.18E-70	-0.1311	1.73E-02	-0.0929	9.25E-02	0.0658	2.34E-01	-0.0002	9.97E-01	-0.0208	7.07E-01	NO
APPBP2	ILMN_2149766	APPBP2	10513	0.8062	4.56E-24	-0.0706	2.01E-01	-0.1420	9.89E-03	0.0179	7.46E-01	-0.0777	1.60E-01	-0.0804	1.46E-01	NO
NGLY1	ILMN_1728779	NGLY1	55768	0.8059	3.26E-37	-0.1031	6.17E-02	-0.0750	1.75E-01	0.0034	9.51E-01	-0.0467	3.99E-01	-0.0721	1.92E-01	NO
UFM1	ILMN_1757646	UFM1	51569	0.8042	2.12E-41	-0.0865	1.17E-01	-0.1129	4.06E-02	0.1532	5.36E-03	0.0683	2.16E-01	0.0829	1.33E-01	NO
ACBD3	ILMN_1665945	ACBD3	64746	0.8027	4.45E-42	-0.1435	9.13E-03	-0.0633	2.52E-01	0.0387	4.84E-01	-0.0059	9.16E-01	-0.0399	4.71E-01	NO
EFHA1	ILMN_1738346	EFHA1	221154	0.8022	9.76E-39	-0.2032	2.06E-04	-0.1353	1.41E-02	0.2093	1.31E-04	0.1061	5.46E-02	0.0941	8.85E-02	YES
LOC387820	ILMN_1690844	LOC387820	387820	0.8016	5.39E-34	-0.1221	2.67E-02	-0.1336	1.53E-02	0.0450	4.15E-01	-0.0467	3.99E-01	-0.0630	2.54E-01	NO
IPO11	ILMN_1684746	IPO11	51194	0.8014	1.30E-32	-0.1452	8.35E-03	-0.1141	3.86E-02	-0.0140	8.00E-01	-0.0890	1.07E-01	-0.1274	2.08E-02	NO
CNOT8	ILMN_2174612	CNOT8	9337	0.8009	2.75E-28	-0.1178	3.26E-02	-0.1020	6.46E-02	0.0159	7.74E-01	-0.0530	3.38E-01	-0.0776	1.60E-01	NO
ARL8B	ILMN_1752837	ARL8B	55207	0.8006	6.11E-52	-0.0779	1.59E-01	-0.0620	2.62E-01	-0.0199	7.20E-01	-0.0598	2.79E-01	-0.0828	1.34E-01	NO
RTN4	ILMN_1730611	RTN4	57142	0.8001	7.14E-30	-0.1858	7.05E-04	-0.1041	5.94E-02	0.0987	7.39E-02	0.0232	6.75E-01	-0.0085	8.78E-01	YES
ATP8B4	ILMN_1783956	ATP8B4	79895	0.7994	2.89E-27	-0.1314	1.71E-02	-0.1555	4.70E-03	0.0891	1.07E-01	-0.0200	7.18E-01	-0.0280	6.13E-01	NO
GNPAT	ILMN_1699859	GNPAT	8443	0.7987	8.32E-54	-0.1903	5.18E-04	-0.0975	7.75E-02	-0.0406	4.63E-01	-0.1028	6.25E-02	-0.1642	2.81E-03	YES
CUTC	ILMN_1765044	CUTC	51076	0.7987	1.64E-36	-0.1270	2.12E-02	-0.1645	2.77E-03	0.0581	2.94E-01	-0.0551	3.19E-01	-0.0665	2.29E-01	NO
PSMD6	ILMN_1779633	PSMD6	9861	0.7972	9.89E-72	-0.1466	7.74E-03	-0.0853	1.23E-01	0.1853	7.30E-04	0.1168	3.42E-02	0.1133	4.00E-02	NO
GLRX	ILMN_1737308	GLRX	2745	0.7968	2.66E-38	-0.1133	3.99E-02	-0.0683	2.16E-01	0.1143	3.83E-02	0.0616	2.65E-01	0.0535	3.33E-01	NO

TMED2	ILMN_1654939	TMED2	10959	0.7966	2.32E-68	-0.2642	1.17E-06	-0.1189	3.11E-02	0.1031	6.17E-02	0.0175	7.52E-01	-0.0386	4.86E-01	YES
P15RS	ILMN_2209180	P15RS	55197	0.7960	6.39E-38	-0.1239	2.46E-02	-0.1404	1.08E-02	-0.0036	9.48E-01	-0.0968	7.97E-02	-0.1223	2.65E-02	NO
C12ORF30	ILMN_1788810	C12orf30	80018	0.7954	4.57E-25	-0.1669	2.39E-03	-0.0894	1.05E-01	0.0218	6.94E-01	-0.0391	4.79E-01	-0.0812	1.42E-01	YES
RBM12B	ILMN_1805778	RBM12B	389677	0.7953	1.55E-28	-0.1424	9.70E-03	-0.0968	7.95E-02	0.0363	5.12E-01	-0.0304	5.82E-01	-0.0602	2.76E-01	NO
CKLF	ILMN_2414027	CKLF	51192	0.7943	1.21E-30	-0.1778	1.20E-03	-0.1162	3.51E-02	0.0870	1.15E-01	0.0041	9.41E-01	-0.0255	6.45E-01	YES
GTF2E1	ILMN_1655921	GTF2E1	2960	0.7939	9.28E-27	-0.1492	6.69E-03	-0.1135	3.96E-02	0.0510	3.57E-01	-0.0278	6.16E-01	-0.0549	3.21E-01	YES
EXOC1	ILMN_2347807	EXOC1	55763	0.7932	3.64E-68	-0.2083	1.42E-04	-0.1439	8.93E-03	0.1503	6.33E-03	0.0449	4.16E-01	0.0207	7.08E-01	YES
PRKRIR	ILMN_1655622	PRKRIR	5612	0.7926	6.51E-55	-0.1304	1.79E-02	-0.1072	5.21E-02	0.1316	1.69E-02	0.0520	3.47E-01	0.0464	4.02E-01	NO
NOP10	ILMN_1815479	NOP10	55505	0.7922	1.66E-41	-0.0931	9.18E-02	-0.0778	1.59E-01	0.1914	4.81E-04	0.1275	2.07E-02	0.1428	9.51E-03	NO
REEP5	ILMN_1758941	REEP5	7905	0.7916	7.36E-38	-0.1832	8.44E-04	-0.0896	1.05E-01	0.0641	2.46E-01	0.0004	9.94E-01	-0.0390	4.81E-01	YES
UNC50	ILMN_1766981	UNC50	25972	0.7909	3.11E-24	-0.1122	4.20E-02	-0.0654	2.37E-01	-0.0078	8.89E-01	-0.0508	3.58E-01	-0.0828	1.34E-01	NO
GTF3C3	ILMN_1789508	GTF3C3	9330	0.7909	8.64E-32	-0.1748	1.46E-03	-0.0928	9.27E-02	0.0344	5.34E-01	-0.0296	5.93E-01	-0.0715	1.96E-01	YES
VBP1	ILMN_2223010	VBP1	7411	0.7901	1.13E-58	-0.1216	2.74E-02	-0.1127	4.10E-02	-0.0261	6.37E-01	-0.0994	7.17E-02	-0.1322	1.64E-02	NO
CLEC4A	ILMN_1709204	CLEC4A	50856	0.7892	2.93E-47	-0.1481	7.12E-03	-0.1874	6.36E-04	0.0244	6.59E-01	-0.1018	6.52E-02	-0.1242	2.42E-02	NO
CYP1B1	ILMN_1693338	CYP1B1	1545	0.7883	3.43E-70	-0.1765	1.31E-03	-0.1260	2.22E-02	0.1209	2.83E-02	0.0294	5.95E-01	0.0082	8.83E-01	YES
LYRM5	ILMN_1744534	LYRM5	144363	0.7876	8.30E-63	-0.2279	3.01E-05	-0.0394	4.76E-01	0.2162	7.72E-05	0.1762	1.33E-03	0.1447	8.59E-03	YES
ARL5A	ILMN_2332558	ARL5A	26225	0.7862	1.48E-51	-0.2179	6.75E-05	-0.1460	7.97E-03	0.2316	2.21E-05	0.1198	2.99E-02	0.1084	4.94E-02	YES
ZRANB2	ILMN_1703015	ZRANB2	9406	0.7861	1.81E-29	-0.1779	1.20E-03	-0.1828	8.64E-04	0.1720	1.74E-03	0.0395	4.76E-01	0.0351	5.26E-01	YES
YTHDC1	ILMN_1707506	YTHDC1	91746	0.7860	2.80E-59	-0.1869	6.56E-04	-0.0961	8.17E-02	0.1691	2.08E-03	0.0945	8.72E-02	0.0752	1.74E-01	YES
DDIT3	ILMN_1676984	DDIT3	1649	0.7831	6.13E-30	-0.1237	2.49E-02	-0.0859	1.20E-01	-0.0247	6.55E-01	-0.0803	1.46E-01	-0.1170	3.39E-02	NO
PHF3	ILMN_1798164	PHF3	23469	0.7830	2.98E-50	-0.1624	3.14E-03	-0.1216	2.75E-02	0.0294	5.95E-01	-0.0533	3.35E-01	-0.0882	1.10E-01	YES
CASP1	ILMN_2326512	CASP1	834	0.7806	1.81E-34	-0.1681	2.22E-03	-0.1089	4.84E-02	-0.0243	6.61E-01	-0.0952	8.46E-02	-0.1442	8.79E-03	YES
C20ORF111	ILMN_2049727	C20orf111	51526	0.7803	1.73E-39	-0.1360	1.36E-02	-0.1802	1.03E-03	0.1769	1.27E-03	0.0458	4.08E-01	0.0565	3.07E-01	NO
LEPROTL1	ILMN_1752591	LEPROTL1	23484	0.7800	5.28E-41	-0.1380	1.22E-02	-0.0997	7.09E-02	0.0795	1.50E-01	0.0081	8.84E-01	-0.0114	8.37E-01	NO
C14ORF100	ILMN_1700276	C14orf100	51528	0.7797	8.67E-40	-0.0765	1.66E-01	-0.1364	1.33E-02	0.0991	7.28E-02	0.0020	9.71E-01	0.0125	8.21E-01	NO
SMAD5	ILMN_1674551	SMAD5	4090	0.7796	7.24E-48	-0.1973	3.17E-04	-0.1805	1.01E-03	-0.0294	5.95E-01	-0.1476	7.31E-03	-0.1986	2.90E-04	YES
ACTR3	ILMN_1657153	ACTR3	10096	0.7782	4.12E-68	-0.1680	2.23E-03	-0.0651	2.39E-01	0.1738	1.56E-03	0.1194	3.03E-02	0.1036	6.04E-02	YES
OXR1	ILMN_1737462	OXR1	55074	0.7768	6.18E-58	-0.0981	7.57E-02	-0.0483	3.82E-01	0.0254	6.46E-01	-0.0084	8.80E-01	-0.0312	5.73E-01	NO
GHITM	ILMN_1728467	GHITM	27069	0.7754	5.29E-40	-0.1304	1.79E-02	-0.1524	5.62E-03	-0.1012	6.68E-02	-0.1961	3.46E-04	-0.2416	9.40E-06	NO
HIGD1A	ILMN_1674522	HIGD1A	25994	0.7750	1.33E-56	-0.1370	1.29E-02	-0.1579	4.09E-03	0.0429	4.38E-01	-0.0648	2.41E-01	-0.0836	1.30E-01	NO
WDR7	ILMN_2383516	WDR7	23335	0.7749	9.87E-28	-0.1055	5.60E-02	-0.0888	1.08E-01	0.0446	4.20E-01	-0.0173	7.54E-01	-0.0337	5.42E-01	NO
FTSJD1	ILMN_1814573	FTSJD1	55783	0.7746	3.90E-44	-0.2343	1.76E-05	-0.0955	8.37E-02	0.1701	1.96E-03	0.0958	8.28E-02	0.0602	2.76E-01	YES
NCBP1	ILMN_1777528	NCBP1	4686	0.7745	8.70E-47	-0.1947	3.82E-04	-0.1086	4.90E-02	-0.0689	2.13E-01	-0.1368	1.30E-02	-0.2038	1.97E-04	YES
XRN1	ILMN_1809086	XRN1	54464	0.7738	1.86E-40	-0.1233	2.53E-02	-0.1284	1.98E-02	-0.0727	1.89E-01	-0.1535	5.27E-03	-0.1940	4.02E-04	NO
PFAAP5	ILMN_1797893	PFAAP5	10443	0.7738	4.30E-47	-0.1424	9.72E-03	-0.0753	1.73E-01	0.1202	2.93E-02	0.0624	2.59E-01	0.0463	4.02E-01	NO
C20ORF45	ILMN_1728168	C20orf45	51012	0.7729	4.40E-39	-0.0854	1.22E-01	-0.0733	1.84E-01	0.0813	1.41E-01	0.0274	6.21E-01	0.0231	6.76E-01	NO
RALA	ILMN_1755364	RALA	5898	0.7725	7.04E-51	-0.1292	1.91E-02	-0.1822	8.99E-04	0.1194	3.04E-02	-0.0094	8.64E-01	-0.0074	8.94E-01	NO
LOC653226	ILMN_1708627	LOC653226	653226	0.7725	6.45E-50	-0.1766	1.30E-03	-0.0840	1.28E-01	0.1474	7.42E-03	0.0821	1.37E-01	0.0606	2.73E-01	YES
PJA2	ILMN_1688702	PJA2	9867	0.7724	5.81E-62	-0.1522	5.67E-03	-0.1061	5.46E-02	0.0904	1.02E-01	0.0141	7.98E-01	-0.0072	8.96E-01	YES
TPK1	ILMN_1804629	TPK1	27010	0.7716	1.28E-23	-0.1224	2.64E-02	-0.1815	9.42E-04	-0.0352	5.24E-01	-0.1537	5.20E-03	-0.1797	1.06E-03	NO
TMEM209	ILMN_1748926	TMEM209	84928	0.7714	7.47E-48	-0.1029	6.24E-02	-0.0643	2.44E-01	0.1628	3.07E-03	0.1096	4.70E-02	0.1141	3.85E-02	NO
IQGAP2	ILMN_1769433	IQGAP2	10788	0.7705	1.86E-43	-0.2030	2.10E-04	-0.1078	5.09E-02	0.0204	7.12E-01	-0.0526	3.42E-01	-0.1051	5.69E-02	YES
SRBD1	ILMN_1798827	SRBD1	55133	0.7700	1.55E-64	-0.1915	4.78E-04	-0.0817	1.39E-01	0.1069	5.26E-02	0.0458	4.07E-01	0.0109	8.44E-01	YES
CRLS1	ILMN_1737685	CRLS1	54675	0.7697	1.21E-54	-0.2135	9.53E-05	-0.0877	1.12E-01	0.0911	9.90E-02	0.0270	6.26E-01	-0.0179	7.47E-01	
PUM2	ILMN_1728305	PUM2	23369	0.7694	1.47E-34	-0.1435	9.13E-03	-0.1590	3.83E-03	0.0979	7.61E-02	-0.0141	7.99E-01	-0.0241	6.63E-01	NO
AASDHPPT	ILMN_2096191	AASDHPPT	60496	0.7685	1.86E-20	-0.1242	2.43E-02	-0.1280	2.02E-02	0.0633	2.53E-01	-0.0259	6.39E-01	-0.0401	4.68E-01	NO

CNBP	ILMN_2169839	CNBP	7555	0.7684	2.24E-23	-0.1719	1.75E-03	-0.1520	5.73E-03	0.0321	5.61E-01	-0.0710	1.99E-01	-0.1048	5.76E-02	YES
FAM188A	ILMN_1725594	FAM188A	80013	0.7684	9.35E-36	-0.1074	5.17E-02	-0.0887	1.08E-01	0.0078	8.88E-01	-0.0517	3.50E-01	-0.0760	1.69E-01	NO
STAM	ILMN_1765409	STAM	8027	0.7679	1.73E-34	-0.1623	3.15E-03	-0.1700	1.98E-03	-0.0112	8.40E-01	-0.1235	2.51E-02	-0.1601	3.59E-03	YES
EFR3A	ILMN_1664776	EFR3A	23167	0.7677	9.17E-28	-0.1478	7.22E-03	-0.1552	4.79E-03	-0.0180	7.45E-01	-0.1201	2.95E-02	-0.1549	4.87E-03	NO
PDS5B	ILMN_1675695	PDS5B	23047	0.7677	8.26E-35	-0.1088	4.86E-02	-0.0780	1.58E-01	0.1812	9.60E-04	0.1179	3.26E-02	0.1257	2.26E-02	NO
CDKN1B	ILMN_2196347	CDKN1B	1027	0.7674	1.24E-48	-0.2262	3.45E-05	-0.0505	3.61E-01	0.1288	1.95E-02	0.0870	1.15E-01	0.0403	4.66E-01	YES
SLTM	ILMN_2395204	SLTM	79811	0.7670	3.43E-45	-0.2265	3.37E-05	-0.1647	2.73E-03	0.0665	2.29E-01	-0.0473	3.92E-01	-0.0916	9.72E-02	YES
TMX1	ILMN_1691181	TMX1	81542	0.7668	2.75E-23	-0.1348	1.44E-02	-0.1500	6.41E-03	-0.0278	6.15E-01	-0.1258	2.24E-02	-0.1587	3.90E-03	NO
CGGBP1	ILMN_1752631	CGGBP1	8545	0.7668	2.70E-34	-0.1474	7.39E-03	-0.1257	2.26E-02	0.1305	1.79E-02	0.0386	4.85E-01	0.0293	5.97E-01	NO
MKRN2	ILMN_2056760	MKRN2	23609	0.7666	1.19E-37	-0.0625	2.58E-01	-0.0939	8.91E-02	0.0503	3.63E-01	-0.0153	7.82E-01	-0.0150	7.86E-01	NO
TMEM30A	ILMN_1735680	TMEM30A	55754	0.7665	7.81E-44	-0.1304	1.80E-02	-0.1491	6.74E-03	0.0814	1.41E-01	-0.0230	6.78E-01	-0.0330	5.51E-01	NO
DMTF1	ILMN_1750075	DMTF1	9988	0.7658	4.20E-61	-0.0997	7.08E-02	-0.0886	1.09E-01	0.1412	1.03E-02	0.0733	1.85E-01	0.0778	1.59E-01	NO
ZSCAN16	ILMN_1809566	ZSCAN16	80345	0.7654	4.23E-60	-0.1144	3.82E-02	-0.0561	3.11E-01	0.0086	8.76E-01	-0.0292	5.98E-01	-0.0599	2.78E-01	NO
ZMYM2	ILMN_1661636	ZMYM2	7750	0.7648	2.12E-43	-0.1017	6.54E-02	-0.1070	5.25E-02	-0.0190	7.32E-01	-0.0889	1.07E-01	-0.1141	3.85E-02	NO
PRDM10	ILMN_2352293	PRDM10	56980	0.7648	7.64E-27	-0.1444	8.71E-03	-0.1328	1.59E-02	0.0883	1.10E-01	-0.0057	9.18E-01	-0.0213	7.00E-01	NO
REV1	ILMN_1707062	REV1	51455	0.7645	8.83E-26	-0.1226	2.61E-02	-0.1546	4.93E-03	0.0783	1.57E-01	-0.0296	5.93E-01	-0.0368	5.06E-01	NO
HELQ	ILMN_1720440	HELQ	113510	0.7637	1.39E-45	-0.1621	3.19E-03	-0.1582	4.02E-03	-0.0373	5.01E-01	-0.1401	1.09E-02	-0.1833	8.38E-04	NO
CASP3	ILMN_2388155	CASP3	836	0.7631	1.99E-55	-0.1845	7.73E-04	-0.1241	2.44E-02	0.0604	2.75E-01	-0.0260	6.38E-01	-0.0622	2.61E-01	YES
VEZF1	ILMN_1705310	VEZF1	7716	0.7628	3.75E-42	-0.1446	8.62E-03	-0.1402	1.09E-02	0.0597	2.80E-01	-0.0374	4.99E-01	-0.0578	2.96E-01	NO
HPRT1	ILMN_1736940	HPRT1	3251	0.7623	9.79E-22	-0.0952	8.46E-02	-0.1480	7.15E-03	0.0014	9.80E-01	-0.0972	7.83E-02	-0.1109	4.44E-02	NO
STS-1	ILMN_1653856	STS-1	84959	0.7618	2.32E-56	-0.1930	4.31E-04	-0.0989	7.33E-02	0.0499	3.67E-01	-0.0190	7.31E-01	-0.0634	2.51E-01	YES
SESN1	ILMN_1800626	SESN1	27244	0.7616	5.91E-31	-0.1452	8.35E-03	-0.1024	6.37E-02	0.0533	3.35E-01	-0.0182	7.43E-01	-0.0449	4.17E-01	NO
AP1S2	ILMN_2120273	AP1S2	8905	0.7602	7.71E-40	-0.2194	5.96E-05	-0.1006	6.84E-02	0.0565	3.07E-01	-0.0140	8.01E-01	-0.0660	2.32E-01	YES
P2RY5	ILMN_1786429	P2RY5	10161	0.7593	2.53E-36	-0.1756	1.38E-03	-0.1241	2.44E-02	-0.0528	3.40E-01	-0.1320	1.66E-02	-0.1873	6.38E-04	YES
SLC30A9	ILMN_1799128	SLC30A9	10463	0.7586	6.41E-26	-0.1567	4.39E-03	-0.1573	4.24E-03	0.0675	2.22E-01	-0.0414	4.54E-01	-0.0622	2.60E-01	YES
AKAP7	ILMN_1733690	AKAP7	9465	0.7573	2.84E-25	-0.1557	4.65E-03	-0.1587	3.89E-03	0.0529	3.39E-01	-0.0561	3.10E-01	-0.0793	1.51E-01	YES
RIT1	ILMN_1656335	RIT1	6016	0.7567	4.79E-26	-0.1544	5.01E-03	-0.1703	1.93E-03	0.0582	2.92E-01	-0.0588	2.88E-01	-0.0789	1.53E-01	YES
CEPT1	ILMN_2356838	CEPT1	10390	0.7552	7.52E-38	-0.1398	1.11E-02	-0.1331	1.57E-02	0.0164	7.66E-01	-0.0731	1.86E-01	-0.1013	6.66E-02	NO
SCAMP1	ILMN_1728907	SCAMP1	9522	0.7548	4.04E-36	-0.2371	1.39E-05	-0.1535	5.28E-03	0.0465	4.01E-01	-0.0586	2.89E-01	-0.1119	4.25E-02	YES
SMYD2	ILMN_1721605	SMYD2	56950	0.7548	6.65E-33	-0.1412	1.03E-02	-0.0985	7.44E-02	-0.0661	2.31E-01	-0.1275	2.07E-02	-0.1767	1.29E-03	NO
C5ORF15	ILMN_1695917	C5orf15	56951	0.7534	2.78E-40	-0.1667	2.42E-03	-0.1575	4.18E-03	-0.0852	1.23E-01	-0.1846	7.68E-04	-0.2388	1.19E-05	YES
ATP6V0E1	ILMN_2071937	ATP6V0E1	8992	0.7533	6.63E-26	-0.1023	6.37E-02	-0.1119	4.25E-02	0.0592	2.84E-01	-0.0190	7.31E-01	-0.0285	6.07E-01	NO
ZCCHC9	ILMN_1723007	ZCCHC9	84240	0.7529	9.10E-47	-0.0859	1.20E-01	-0.1138	3.91E-02	0.1714	1.81E-03	0.0848	1.25E-01	0.1032	6.14E-02	NO
ZFAND6	ILMN_1778803	ZFAND6	54469	0.7511	1.50E-29	-0.0788	1.54E-01	-0.1350	1.43E-02	0.1152	3.68E-02	0.0180	7.45E-01	0.0307	5.79E-01	NO
NAPB	ILMN_2181125	NAPB	63908	0.7507	4.32E-28	-0.1506	6.20E-03	-0.1110	4.43E-02	-0.0237	6.68E-01	-0.0960	8.19E-02	-0.1386	1.18E-02	NO
PPP2CB	ILMN_1712659	PPP2CB	5516	0.7503	1.03E-42	-0.2375	1.33E-05	-0.1439	8.97E-03	0.0523	3.44E-01	-0.0467	3.98E-01	-0.1003	6.92E-02	NO
CLK4	ILMN_1695853	CLK4	57396	0.7496	2.45E-38	-0.1728	1.66E-03	-0.1398	1.11E-02	-0.1111	4.40E-02	-0.1971	3.23E-04	-0.2608	1.62E-06	NO
PCF11	ILMN_1798602	PCF11	51585	0.7494	8.64E-46	-0.0363	5.11E-01	-0.1092	4.78E-02	0.0968	7.94E-02	0.0180	7.44E-01	0.0385	4.86E-01	NO
ATAD1	ILMN_1654497	ATAD1	84896	0.7488	4.77E-27	-0.1430	9.39E-03	-0.1313	1.72E-02	0.0078	8.87E-01	-0.0800	1.48E-01	-0.1112	4.39E-02	NO
KIAA1012	ILMN_1796240	KIAA1012	22878	0.7484	4.15E-33	-0.1377	1.24E-02	-0.0871	1.15E-01	-0.0222	6.88E-01	-0.0788	1.54E-01	-0.1197	3.00E-02	NO
LXN	ILMN_1723962	LXN	56925	0.7481	9.99E-27	-0.1692	2.07E-03	-0.1434	9.19E-03	0.0588	2.87E-01	-0.0403	4.66E-01	-0.0690	2.12E-01	NO
ZNF721	ILMN_1805271	ZNF721	170960	0.7478	6.84E-27	-0.1254	2.29E-02	-0.1168	3.41E-02	0.0281	6.11E-01	-0.0514	3.53E-01	-0.0743	1.79E-01	NO
CDC40	ILMN_1737651	CDC40	51362	0.7476	2.70E-51	-0.0747	1.76E-01	-0.1385	1.19E-02	-0.0094	8.65E-01	-0.1009	6.76E-02	-0.1108	4.46E-02	NO
CNIH	ILMN_1786532	CNIH	10175	0.7473	8.85E-25	-0.1096	4.69E-02	-0.1153	3.66E-02	0.0802	1.47E-01	-0.0016	9.77E-01	-0.0090	8.71E-01	NO
VPS36	ILMN_1802519	VPS36	51028	0.7470	3.15E-59	-0.2422	8.89E-06	-0.1501	6.39E-03	0.0704	2.03E-01	-0.0339	5.40E-01	-0.0848	1.25E-01	NO
PAPD4	ILMN_1681845	PAPD4	167153	0.7469	2.73E-37	-0.2066	1.61E-04	-0.1724	1.70E-03	0.1638	2.88E-03	0.0388	4.84E-01	0.0214	6.98E-01	NO

CNBP	ILMN_1769319	CNBP	7555	0.7458	1.71E-38	-0.1227	2.61E-02	-0.1026	6.31E-02	0.0975	7.75E-02	0.0230	6.77E-01	0.0128	8.17E-01	NO
FEZ2	ILMN_1739586	FEZ2	9637	0.7457	3.30E-64	-0.2127	1.01E-04	-0.0651	2.39E-01	0.1770	1.27E-03	0.1224	2.64E-02	0.0917	9.67E-02	NO
SACM1L	ILMN_1765019	SACM1L	22908	0.7435	3.15E-47	-0.2109	1.16E-04	-0.1214	2.77E-02	0.0795	1.50E-01	-0.0063	9.10E-01	-0.0482	3.84E-01	NO
RWDD4A	ILMN_1708660	RWDD4A	201965	0.7430	1.41E-49	-0.2131	9.79E-05	-0.1357	1.38E-02	-0.0054	9.23E-01	-0.0953	8.43E-02	-0.1528	5.48E-03	NO
CEP135	ILMN_1693766	CEP135	9662	0.7429	4.41E-22	-0.1253	2.30E-02	-0.0636	2.50E-01	-0.0258	6.40E-01	-0.0665	2.29E-01	-0.1069	5.28E-02	NO
CUL4B	ILMN_2385161	CUL4B	8450	0.7428	8.17E-31	-0.1261	2.22E-02	-0.0550	3.20E-01	0.0838	1.29E-01	0.0419	4.48E-01	0.0217	6.95E-01	NO
SLC38A2	ILMN_1651799	SLC38A2	54407	0.7419	4.75E-19	-0.1250	2.33E-02	-0.0852	1.23E-01	0.0315	5.69E-01	-0.0272	6.23E-01	-0.0534	3.34E-01	NO
SDPR	ILMN_1715991	SDPR	8436	0.7399	1.00E-27	-0.1072	5.20E-02	-0.0792	1.52E-01	0.0465	4.00E-01	-0.0091	8.70E-01	-0.0270	6.26E-01	NO
RHEB	ILMN_1657949	RHEB	6009	0.7391	1.51E-27	-0.1443	8.78E-03	-0.1344	1.47E-02	-0.0438	4.29E-01	-0.1304	1.79E-02	-0.1717	1.77E-03	NO
AZIN1	ILMN_1656682	AZIN1	51582	0.7386	4.36E-34	-0.0451	4.15E-01	-0.0712	1.98E-01	-0.0014	9.80E-01	-0.0486	3.79E-01	-0.0554	3.17E-01	NO
RAB8B	ILMN_2173004	RAB8B	51762	0.7385	4.86E-32	-0.1978	3.07E-04	-0.0976	7.72E-02	0.1100	4.62E-02	0.0381	4.91E-01	0.0037	9.47E-01	NO
MBNL1	ILMN_2313158	MBNL1	4154	0.7363	5.32E-36	-0.1675	2.31E-03	-0.0672	2.24E-01	0.0569	3.04E-01	0.0085	8.77E-01	-0.0297	5.91E-01	NO
C1ORF52	ILMN_1742611	C1orf52	148423	0.7358	2.73E-33	-0.1912	4.89E-04	-0.1310	1.74E-02	-0.0278	6.16E-01	-0.1132	4.02E-02	-0.1680	2.23E-03	NO
CCDC117	ILMN_1809889	CCDC117	150275	0.7349	4.26E-49	-0.0614	2.67E-01	-0.1121	4.22E-02	0.0600	2.78E-01	-0.0183	7.40E-01	-0.0134	8.09E-01	NO
CEP192	ILMN_1703754	CEP192	55125	0.7348	7.12E-56	-0.0580	2.94E-01	-0.0392	4.78E-01	-0.0213	7.01E-01	-0.0460	4.06E-01	-0.0652	2.38E-01	NO
KIAA1826	ILMN_1801124	KIAA1826	84437	0.7347	1.29E-36	-0.2166	7.46E-05	-0.1520	5.72E-03	-0.0399	4.70E-01	-0.1385	1.19E-02	-0.2019	2.27E-04	NO
PLDN	ILMN_1733666	PLDN	26258	0.7345	2.65E-20	-0.1152	3.68E-02	-0.1328	1.59E-02	-0.0305	5.81E-01	-0.1170	3.40E-02	-0.1458	8.10E-03	NO
ATP6V0E1	ILMN_1715635	ATP6V0E1	8992	0.7341	2.51E-34	-0.1470	7.59E-03	-0.1611	3.39E-03	0.0831	1.33E-01	-0.0293	5.96E-01	-0.0433	4.34E-01	NO
AP1S2	ILMN_1766411	AP1S2	8905	0.7339	1.55E-35	-0.1660	2.53E-03	-0.0277	6.16E-01	0.2106	1.19E-04	0.1788	1.13E-03	0.1661	2.51E-03	NO
CNOT6L	ILMN_2083833	CNOT6L	246175	0.7332	3.24E-21	-0.1351	1.42E-02	-0.0718	1.94E-01	0.0138	8.03E-01	-0.0348	5.29E-01	-0.0697	2.07E-01	NO
C2ORF56	ILMN_1722186	C2orf56	55471	0.7330	8.61E-43	-0.1677	2.28E-03	-0.1285	1.97E-02	0.0901	1.03E-01	-0.0011	9.84E-01	-0.0251	6.50E-01	NO
ARMC1	ILMN_1722066	ARMC1	55156	0.7330	6.27E-28	-0.1523	5.63E-03	-0.0812	1.42E-01	0.0132	8.12E-01	-0.0416	4.52E-01	-0.0814	1.41E-01	NO
OSBPL8	ILMN_2405078	OSBPL8	114882	0.7325	1.40E-29	-0.0871	1.15E-01	-0.1772	1.25E-03	0.1214	2.76E-02	-0.0041	9.40E-01	0.0123	8.24E-01	NO
CPNE3	ILMN_1773576	CPNE3	8895	0.7314	2.21E-35	-0.1458	8.10E-03	-0.1157	3.59E-02	0.0991	7.25E-02	0.0159	7.74E-01	-0.0003	9.95E-01	NO
PBX3	ILMN_1810100	PBX3	5090	0.7313	3.96E-38	-0.1459	8.06E-03	-0.1203	2.91E-02	-0.0155	7.79E-01	-0.0946	8.68E-02	-0.1327	1.60E-02	NO
MTHFD2	ILMN_2405521	MTHFD2	10797	0.7308	3.10E-21	-0.1515	5.91E-03	-0.0880	1.11E-01	0.1715	1.80E-03	0.1021	6.44E-02	0.0945	8.69E-02	NO
VBP1	ILMN_1800612	VBP1	7411	0.7293	6.83E-32	-0.1407	1.06E-02	-0.1003	6.91E-02	-0.0488	3.78E-01	-0.1124	4.15E-02	-0.1579	4.10E-03	NO
INSIG2	ILMN_1676629	INSIG2	51141	0.7289	3.79E-62	-0.2386	1.21E-05	-0.0766	1.66E-01	0.1265	2.17E-02	0.0675	2.22E-01	0.0194	7.26E-01	NO
C1ORF43	ILMN_1729509	C1orf43	25912	0.7283	2.89E-54	-0.1823	8.94E-04	-0.1340	1.50E-02	0.3012	2.51E-08	0.1930	4.31E-04	0.2061	1.67E-04	NO
AGGF1	ILMN_2064917	AGGF1	55109	0.7266	2.86E-28	-0.1635	2.94E-03	-0.0875	1.13E-01	0.2016	2.33E-04	0.1306	1.78E-02	0.1247	2.37E-02	NO
NIPA2	ILMN_1720344	NIPA2	81614	0.7265	1.35E-55	-0.0626	2.58E-01	-0.0916	9.72E-02	0.0169	7.60E-01	-0.0451	4.15E-01	-0.0517	3.50E-01	NO
LOC645058	ILMN_1742887	LOC645058	645058	0.7265	1.69E-30	-0.1151	3.69E-02	-0.0841	1.28E-01	0.0188	7.34E-01	-0.0383	4.88E-01	-0.0637	2.49E-01	NO
KIAA1737	ILMN_2097858	KIAA1737	85457	0.7258	7.96E-23	-0.1758	1.37E-03	-0.0982	7.52E-02	0.0563	3.09E-01	-0.0126	8.20E-01	-0.0499	3.67E-01	NO
HSBP1	ILMN_1667030	HSBP1	3281	0.7257	2.98E-47	-0.1527	5.52E-03	-0.0077	8.90E-01	0.0481	3.84E-01	0.0400	4.70E-01	-0.0026	9.63E-01	NO
PPPDE1	ILMN_1660840	PPPDE1	51029	0.7252	1.70E-41	-0.2743	4.34E-07	-0.1733	1.61E-03	0.1040	5.95E-02	-0.0179	7.47E-01	-0.0703	2.04E-01	NO
AIM2	ILMN_1681301	AIM2	9447	0.7246	9.01E-18	-0.0673	2.23E-01	-0.0648	2.41E-01	0.0069	9.01E-01	-0.0367	5.07E-01	-0.0504	3.62E-01	NO
ADD3	ILMN_1814526	ADD3	120	0.7243	8.69E-46	-0.2033	2.06E-04	-0.1125	4.14E-02	0.2129	9.99E-05	0.1245	2.40E-02	0.1102	4.58E-02	NO
TCFL5	ILMN_1814247	TCFL5	10732	0.7237	1.44E-25	-0.1230	2.57E-02	-0.1790	1.11E-03	0.0002	9.97E-01	-0.1189	3.11E-02	-0.1385	1.19E-02	NO
MGEA5	ILMN_1686750	MGEA5	10724	0.7236	6.58E-63	-0.1732	1.61E-03	-0.1685	2.17E-03	-0.0047	9.32E-01	-0.1165	3.47E-02	-0.1558	4.62E-03	NO
ARPC2	ILMN_1792489	ARPC2	10109	0.7230	3.25E-54	-0.1359	1.36E-02	-0.1059	5.51E-02	0.0529	3.39E-01	-0.0209	7.06E-01	-0.0440	4.26E-01	NO
SRP54	ILMN_2312275	SRP54	6729	0.7230	1.66E-58	-0.1330	1.58E-02	-0.1302	1.81E-02	0.1599	3.63E-03	0.0631	2.54E-01	0.0651	2.39E-01	NO
FBXO28	ILMN_1812776	FBXO28	23219	0.7225	8.48E-33	-0.1473	7.44E-03	-0.1192	3.06E-02	0.0638	2.48E-01	-0.0195	7.24E-01	-0.0427	4.40E-01	NO
ZMYM4	ILMN_1688404	ZMYM4	9202	0.7206	8.12E-48	-0.2214	5.09E-05	-0.1539	5.16E-03	0.0199	7.20E-01	-0.0838	1.29E-01	-0.1368	1.30E-02	NO
OPA1	ILMN_1729775	OPA1	4976	0.7206	6.83E-30	-0.1214	2.76E-02	-0.1173	3.35E-02	0.0557	3.14E-01	-0.0259	6.40E-01	-0.0419	4.48E-01	NO
HBXIP	ILMN_2220518	HBXIP	10542	0.7191	1.01E-48	-0.1743	1.51E-03	-0.0557	3.14E-01	0.0088	8.73E-01	-0.0288	6.03E-01	-0.0803	1.46E-01	NO
CHD1	ILMN_1654583	CHD1	1105	0.7184	1.96E-33	-0.0999	7.02E-02	-0.1458	8.06E-03	0.0274	6.20E-01	-0.0713	1.97E-01	-0.0818	1.39E-01	NO



C12ORF26	ILMN_1745497	C12orf26	84190	0.7181	7.10E-46	-0.1857	7.12E-04	-0.1164	3.48E-02	-0.0239	6.66E-01	-0.0998	7.05E-02	-0.1539	5.14E-03	NO
PPCS	ILMN_2396996	PPCS	79717	0.7180	2.73E-31	-0.0132	8.12E-01	-0.1120	4.24E-02	0.0258	6.41E-01	-0.0503	3.63E-01	-0.0354	5.23E-01	NO
UPF2	ILMN_1796305	UPF2	26019	0.7179	4.34E-39	-0.1710	1.85E-03	-0.0647	2.42E-01	0.1278	2.04E-02	0.0766	1.65E-01	0.0507	3.59E-01	NO
MED30	ILMN_1671603	MED30	90390	0.7171	2.60E-38	-0.1084	4.94E-02	-0.0914	9.80E-02	0.0502	3.64E-01	-0.0138	8.03E-01	-0.0298	5.91E-01	NO
MFF	ILMN_1680171	MFF	56947	0.7157	1.50E-41	-0.2363	1.48E-05	-0.2050	1.81E-04	0.0501	3.65E-01	-0.0895	1.05E-01	-0.1352	1.41E-02	NO
CD58	ILMN_2147517	CD58	965	0.7157	7.68E-19	-0.0982	7.53E-02	-0.0937	8.97E-02	-0.0422	4.45E-01	-0.1019	6.49E-02	-0.1322	1.65E-02	NO
RAB22A	ILMN_1786976	RAB22A	57403	0.7157	5.48E-30	-0.1394	1.14E-02	-0.1057	5.55E-02	0.0769	1.64E-01	0.0017	9.76E-01	-0.0180	7.46E-01	NO
STAG1	ILMN_2151048	STAG1	10274	0.7150	4.75E-48	-0.1556	4.68E-03	-0.0721	1.92E-01	-0.0586	2.89E-01	-0.1029	6.23E-02	-0.1591	3.82E-03	NO
WDR20	ILMN_1707199	WDR20	91833	0.7148	7.80E-46	-0.2036	2.00E-04	-0.0702	2.04E-01	0.0663	2.31E-01	0.0154	7.81E-01	-0.0332	5.48E-01	NO
G3BP2	ILMN_2381753	G3BP2	9908	0.7116	6.00E-20	-0.1074	5.16E-02	-0.1112	4.38E-02	0.0331	5.50E-01	-0.0430	4.37E-01	-0.0595	2.82E-01	NO
ADSS	ILMN_2092664	ADSS	159	0.7107	5.25E-23	-0.0997	7.10E-02	-0.1487	6.90E-03	-0.0545	3.24E-01	-0.1500	6.42E-03	-0.1761	1.34E-03	NO
SNX14	ILMN_2361570	SNX14	57231	0.7089	1.92E-19	-0.0578	2.96E-01	-0.1905	5.13E-04	0.0192	7.29E-01	-0.1088	4.87E-02	-0.1005	6.87E-02	NO
SLC25A46	ILMN_1720311	SLC25A46	91137	0.7085	8.65E-40	-0.1322	1.64E-02	-0.1321	1.65E-02	-0.0639	2.48E-01	-0.1477	7.26E-03	-0.1891	5.65E-04	NO
LEMD3	ILMN_2183938	LEMD3	23592	0.7083	3.64E-16	-0.0832	1.32E-01	-0.0932	9.13E-02	-0.0088	8.73E-01	-0.0703	2.03E-01	-0.0889	1.08E-01	NO
TAF7	ILMN_1759460	TAF7	6879	0.7078	3.87E-36	-0.1269	2.13E-02	-0.1759	1.35E-03	0.1142	3.85E-02	-0.0101	8.55E-01	-0.0091	8.70E-01	NO
CHMP2B	ILMN_1741176	CHMP2B	25978	0.7067	5.42E-41	-0.1296	1.87E-02	-0.1188	3.12E-02	0.1156	3.61E-02	0.0293	5.97E-01	0.0223	6.87E-01	NO
HNRNPC	ILMN_2334587	HNRNPC	3183	0.7059	2.81E-17	-0.1081	5.02E-02	-0.1482	7.07E-03	-0.0107	8.47E-01	-0.1086	4.90E-02	-0.1291	1.91E-02	NO
P2RY13	ILMN_1664525	P2RY13	53829	0.7047	3.53E-33	-0.1396	1.13E-02	-0.0632	2.53E-01	0.0723	1.91E-01	0.0256	6.44E-01	-0.0005	9.93E-01	NO
DNAJC10	ILMN_2151541	DNAJC10	54431	0.7044	8.56E-39	-0.1967	3.32E-04	-0.1151	3.69E-02	-0.0148	7.89E-01	-0.0905	1.01E-01	-0.1468	7.67E-03	NO
SETD3	ILMN_1724504	SETD3	84193	0.7041	5.83E-38	-0.1807	9.93E-04	-0.1341	1.50E-02	0.1010	6.72E-02	0.0054	9.22E-01	-0.0202	7.16E-01	NO
VAMP4	ILMN_1664175	VAMP4	8674	0.7040	1.28E-39	-0.0338	5.41E-01	-0.1234	2.52E-02	0.0415	4.53E-01	-0.0432	4.35E-01	-0.0309	5.76E-01	NO
IREB2	ILMN_1726554	IREB2	3658	0.7036	5.58E-40	-0.1395	1.13E-02	-0.0203	7.14E-01	0.1639	2.87E-03	0.1400	1.10E-02	0.1264	2.19E-02	NO
CNIH4	ILMN_1714759	CNIH4	29097	0.7024	2.62E-43	-0.2071	1.55E-04	-0.0854	1.22E-01	0.1516	5.87E-03	0.0852	1.23E-01	0.0541	3.28E-01	NO
NUP107	ILMN_1815924	NUP107	57122	0.7023	3.49E-52	-0.1003	6.93E-02	-0.0513	3.54E-01	0.0439	4.27E-01	0.0070	9.00E-01	-0.0126	8.20E-01	NO
COPB1	ILMN_1699112	COPB1	1315	0.7020	2.74E-35	-0.1765	1.31E-03	-0.1140	3.87E-02	0.1482	7.07E-03	0.0630	2.55E-01	0.0455	4.11E-01	NO
ZFR	ILMN_1814113	ZFR	51663	0.7019	1.17E-37	-0.1541	5.10E-03	-0.1549	4.86E-03	-0.0084	8.80E-01	-0.1109	4.44E-02	-0.1460	7.99E-03	NO
DPY19L1	ILMN_1791296	DPY19L1	23333	0.7011	1.98E-69	-0.1111	4.40E-02	-0.0223	6.86E-01	0.1038	6.01E-02	0.0823	1.36E-01	0.0670	2.25E-01	NO
SUCLA2	ILMN_2150019	SUCLA2	8803	0.7008	3.30E-56	-0.0961	8.17E-02	-0.0923	9.46E-02	0.1249	2.35E-02	0.0555	3.15E-01	0.0585	2.90E-01	NO
ZNF25	ILMN_1808765	ZNF25	219749	0.7008	6.87E-24	-0.1380	1.22E-02	-0.0703	2.03E-01	0.0045	9.35E-01	-0.0426	4.42E-01	-0.0805	1.45E-01	NO
UBE3A	ILMN_2391141	UBE3A	7337	0.7003	6.80E-38	-0.1569	4.33E-03	-0.1775	1.23E-03	-0.0483	3.83E-01	-0.1633	2.98E-03	-0.2043	1.91E-04	NO
RIN2	ILMN_1769546	RIN2	54453	0.6996	2.18E-19	-0.1229	2.58E-02	-0.0896	1.05E-01	0.0745	1.78E-01	0.0102	8.54E-01	-0.0063	9.09E-01	NO
GCH1	ILMN_1812759	GCH1	2643	0.6966	1.07E-33	-0.1551	4.81E-03	-0.0522	3.45E-01	-0.1143	3.83E-02	-0.1418	1.00E-02	-0.2113	1.13E-04	NO
PSMD6	ILMN_2155998	PSMD6	9861	0.6947	2.31E-37	-0.1393	1.14E-02	-0.0527	3.41E-01	0.0762	1.68E-01	0.0363	5.12E-01	0.0097	8.60E-01	NO
SUZ12	ILMN_1797813	SUZ12	23512	0.6936	1.66E-38	-0.1760	1.35E-03	-0.1511	6.03E-03	0.1703	1.94E-03	0.0590	2.86E-01	0.0508	3.58E-01	NO
SMS	ILMN_1694305	SMS	6611	0.6919	1.27E-17	-0.0734	1.84E-01	-0.1427	9.55E-03	0.0227	6.82E-01	-0.0737	1.82E-01	-0.0763	1.67E-01	NO
GDAP2	ILMN_1789059	GDAP2	54834	0.6901	4.41E-32	-0.1515	5.89E-03	-0.1107	4.49E-02	0.1087	4.89E-02	0.0281	6.11E-01	0.0112	8.40E-01	NO
RAP2C	ILMN_1773561	RAP2C	57826	0.6889	1.08E-28	-0.2356	1.57E-05	-0.0180	7.44E-01	0.1543	5.03E-03	0.1325	1.62E-02	0.0834	1.31E-01	NO
LOC151579	ILMN_1666384	LOC151579	151579	0.6888	1.07E-30	-0.1584	3.97E-03	-0.0691	2.12E-01	-0.0520	3.48E-01	-0.0946	8.67E-02	-0.1508	6.13E-03	NO
BRP44L	ILMN_2226324	BRP44L	51660	0.6882	1.07E-24	-0.1676	2.29E-03	-0.1396	1.13E-02	0.1654	2.61E-03	0.0621	2.61E-01	0.0544	3.25E-01	NO
SLTM	ILMN_1742224	SLTM	79811	0.6879	1.57E-39	-0.2419	9.13E-06	-0.1541	5.09E-03	0.0057	9.19E-01	-0.0972	7.83E-02	-0.1601	3.59E-03	NO
USO1	ILMN_1692121	USO1	8615	0.6877	3.16E-27	-0.1003	6.92E-02	-0.1572	4.25E-03	0.0936	9.02E-02	-0.0170	7.59E-01	-0.0131	8.12E-01	NO
RBM25	ILMN_1768117	RBM25	58517	0.6877	1.16E-38	-0.1295	1.88E-02	-0.0818	1.39E-01	0.0939	8.91E-02	0.0335	5.45E-01	0.0176	7.51E-01	NO
AGL	ILMN_2371825	AGL	178	0.6870	1.05E-41	-0.1825	8.85E-04	-0.1014	6.62E-02	0.1947	3.81E-04	0.1149	3.72E-02	0.1029	6.23E-02	NO
XPR1	ILMN_1798030	XPR1	9213	0.6864	5.07E-51	-0.1951	3.71E-04	-0.0507	3.59E-01	0.1370	1.29E-02	0.0946	8.67E-02	0.0603	2.75E-01	NO
TIA1	ILMN_1712634	TIA1	7072	0.6864	1.99E-43	-0.1514	5.93E-03	-0.1022	6.40E-02	-0.0702	2.04E-01	-0.1338	1.52E-02	-0.1869	6.56E-04	NO
HIGD1A	ILMN_1661799	HIGD1A	25994	0.6863	4.29E-31	-0.1404	1.08E-02	-0.1040	5.95E-02	0.0494	3.72E-01	-0.0229	6.79E-01	-0.0485	3.80E-01	NO

ZZZ3	ILMN_1653618	ZZZ3	26009	0.6854	1.97E-40	-0.2143	8.90E-05	-0.2034	2.04E-04	0.0223	6.88E-01	-0.1145	3.80E-02	-0.1582	4.01E-03	NO
SEPT15	ILMN_2407082	SEPT15	9403	0.6850	3.36E-32	-0.1574	4.22E-03	-0.0489	3.76E-01	0.1146	3.78E-02	0.0747	1.76E-01	0.0489	3.76E-01	NO
C14ORF28	ILMN_1807031	C14orf28	122525	0.6845	2.94E-26	-0.1471	7.53E-03	-0.1441	8.85E-03	0.1940	4.00E-04	0.0859	1.20E-01	0.0915	9.77E-02	NO
UBE3A	ILMN_1764549	UBE3A	7337	0.6845	3.03E-16	-0.1187	3.14E-02	-0.1040	5.96E-02	0.1119	4.25E-02	0.0357	5.19E-01	0.0298	5.90E-01	NO
TRIM33	ILMN_1682316	TRIM33	51592	0.6837	2.20E-48	-0.1515	5.90E-03	-0.0782	1.57E-01	0.1182	3.21E-02	0.0587	2.89E-01	0.0394	4.77E-01	NO
RAB9A	ILMN_1750409	RAB9A	9367	0.6825	6.86E-32	-0.1397	1.12E-02	-0.1139	3.89E-02	0.0473	3.92E-01	-0.0315	5.69E-01	-0.0560	3.11E-01	NO
CLDND1	ILMN_1710326	CLDND1	56650	0.6820	2.90E-43	-0.1739	1.55E-03	-0.1250	2.33E-02	0.0878	1.12E-01	-0.0009	9.86E-01	-0.0279	6.14E-01	NO
WASL	ILMN_1666004	WASL	8976	0.6819	6.19E-33	-0.1818	9.23E-04	-0.0948	8.61E-02	0.2762	3.57E-07	0.1956	3.58E-04	0.1990	2.82E-04	NO
TTC13	ILMN_1753064	TTC13	79573	0.6813	2.25E-21	-0.0678	2.20E-01	-0.1329	1.59E-02	0.1087	4.88E-02	0.0134	8.08E-01	0.0283	6.09E-01	NO
MED4	ILMN_1664641	MED4	29079	0.6807	1.14E-62	-0.2394	1.13E-05	-0.1088	4.86E-02	0.0787	1.54E-01	0.0014	9.81E-01	-0.0522	3.45E-01	NO
NSL1	ILMN_1739210	NSL1	25936	0.6792	3.86E-27	-0.0751	1.74E-01	-0.0486	3.80E-01	-0.0831	1.33E-01	-0.1101	4.60E-02	-0.1462	7.91E-03	NO
C14ORF147	ILMN_1699676	C14orf147	171546	0.6790	3.01E-34	-0.1329	1.59E-02	-0.0785	1.56E-01	-0.1059	5.50E-02	-0.1514	5.94E-03	-0.2081	1.44E-04	NO
MRPS35	ILMN_2189993	MRPS35	60488	0.6789	3.37E-18	-0.0901	1.03E-01	-0.0474	3.92E-01	-0.1147	3.76E-02	-0.1389	1.16E-02	-0.1866	6.71E-04	NO
MTPN	ILMN_2180682	MTPN	136319	0.6775	4.38E-43	-0.1905	5.12E-04	-0.0864	1.18E-01	0.1010	6.74E-02	0.0371	5.03E-01	0.0019	9.72E-01	NO
C7ORF28B	ILMN_1713322	C7orf28B	221960	0.6771	1.17E-26	-0.0620	2.63E-01	-0.1166	3.45E-02	0.1410	1.04E-02	0.0545	3.24E-01	0.0757	1.71E-01	NO
PCNP	ILMN_1807994	PCNP	57092	0.6771	1.53E-45	-0.1721	1.73E-03	-0.0654	2.37E-01	0.1142	3.85E-02	0.0634	2.51E-01	0.0346	5.32E-01	NO
PTGER4	ILMN_1795930	PTGER4	5734	0.6767	3.62E-33	-0.1284	1.98E-02	-0.1012	6.67E-02	0.1750	1.44E-03	0.0966	8.03E-02	0.0994	7.18E-02	NO
SENP6	ILMN_2054233	SENP6	26054	0.6761	1.30E-53	-0.1526	5.53E-03	0.0145	7.93E-01	0.0785	1.56E-01	0.0831	1.32E-01	0.0437	4.29E-01	NO
NECAP1	ILMN_1726359	NECAP1	25977	0.6759	5.37E-29	-0.1443	8.79E-03	-0.0707	2.01E-01	-0.1443	8.76E-03	-0.1822	9.01E-04	-0.2514	3.89E-06	NO
MAPK9	ILMN_2400292	MAPK9	5601	0.6758	1.20E-41	-0.1382	1.21E-02	-0.0838	1.29E-01	0.0512	3.55E-01	-0.0078	8.88E-01	-0.0349	5.28E-01	NO
FBXO11	ILMN_2285112	FBXO11	80204	0.6755	8.82E-31	-0.1410	1.05E-02	-0.0924	9.41E-02	0.0191	7.30E-01	-0.0436	4.31E-01	-0.0768	1.64E-01	NO
RABEP1	ILMN_1719622	RABEP1	9135	0.6751	4.50E-28	-0.1022	6.40E-02	-0.0809	1.43E-01	0.1277	2.05E-02	0.0658	2.34E-01	0.0658	2.34E-01	NO
STAG2	ILMN_1782609	STAG2	10735	0.6736	2.20E-38	-0.1454	8.24E-03	-0.0848	1.25E-01	0.0415	4.53E-01	-0.0175	7.51E-01	-0.0489	3.76E-01	NO
LOC647346	ILMN_1738554	LOC647346	647346	0.6730	2.00E-55	-0.2064	1.63E-04	-0.0713	1.97E-01	0.0258	6.40E-01	-0.0232	6.75E-01	-0.0806	1.45E-01	NO
DNAJB9	ILMN_1773742	DNAJB9	4189	0.6729	7.41E-32	-0.1823	8.92E-04	-0.0514	3.53E-01	0.1465	7.77E-03	0.1030	6.19E-02	0.0751	1.74E-01	NO
SLC35A3	ILMN_1653429	SLC35A3	23443	0.6723	3.97E-53	-0.0882	1.10E-01	-0.0932	9.16E-02	0.1136	3.94E-02	0.0444	4.22E-01	0.0481	3.84E-01	NO
CLPX	ILMN_1709894	CLPX	10845	0.6723	3.37E-42	-0.1777	1.21E-03	-0.1146	3.78E-02	0.0910	9.93E-02	0.0090	8.71E-01	-0.0200	7.18E-01	NO
KPNA3	ILMN_1708427	KPNA3	3839	0.6718	1.39E-17	-0.1192	3.06E-02	-0.0833	1.31E-01	-0.0035	9.49E-01	-0.0587	2.88E-01	-0.0901	1.03E-01	NO
ZNF33B	ILMN_1742935	ZNF33B	7582	0.6716	1.09E-30	-0.1231	2.55E-02	-0.0399	4.71E-01	0.0860	1.19E-01	0.0540	3.28E-01	0.0333	5.47E-01	NO
TMEM77	ILMN_1808634	TMEM77	128338	0.6710	1.55E-17	-0.0967	7.98E-02	-0.1389	1.17E-02	-0.0214	6.98E-01	-0.1125	4.15E-02	-0.1323	1.63E-02	NO
STAMBP	ILMN_1739253	STAMBP	10617	0.6707	2.69E-27	-0.1200	2.95E-02	-0.0681	2.18E-01	0.1802	1.03E-03	0.1235	2.51E-02	0.1260	2.23E-02	NO
CNOT7	ILMN_1715886	CNOT7	29883	0.6704	7.19E-36	-0.1050	5.72E-02	-0.0707	2.01E-01	0.1608	3.44E-03	0.1036	6.06E-02	0.1078	5.07E-02	NO
KLHDC5	ILMN_1727134	KLHDC5	57542	0.6700	1.09E-22	-0.1094	4.73E-02	-0.1430	9.38E-03	-0.0054	9.22E-01	-0.1002	6.94E-02	-0.1208	2.84E-02	NO
RNF19A	ILMN_2381197	RNF19A	25897	0.6699	1.34E-23	-0.1420	9.90E-03	-0.0972	7.83E-02	0.1112	4.38E-02	0.0395	4.75E-01	0.0246	6.57E-01	NO
LMBR1	ILMN_1764522	LMBR1	64327	0.6694	3.01E-17	-0.1098	4.65E-02	-0.1041	5.92E-02	0.0425	4.42E-01	-0.0295	5.94E-01	-0.0458	4.08E-01	NO
PDE12	ILMN_1660305	PDE12	201626	0.6692	2.27E-47	-0.1930	4.31E-04	-0.0331	5.50E-01	0.1026	6.30E-02	0.0741	1.80E-01	0.0315	5.69E-01	NO
CNIH	ILMN_1758543	CNIH	10175	0.6683	1.86E-15	-0.1349	1.43E-02	-0.0910	9.92E-02	0.0649	2.41E-01	0.0002	9.97E-01	-0.0221	6.89E-01	NO
PPP1R2	ILMN_1683044	PPP1R2	5504	0.6677	1.96E-24	-0.1341	1.49E-02	-0.1144	3.82E-02	0.0297	5.92E-01	-0.0483	3.83E-01	-0.0743	1.79E-01	NO
CLDND1	ILMN_2352563	CLDND1	56650	0.6675	5.86E-19	-0.1527	5.52E-03	-0.0911	9.92E-02	-0.0307	5.79E-01	-0.0893	1.06E-01	-0.1365	1.32E-02	NO
SRP72	ILMN_1683888	SRP72	6731	0.6656	3.43E-20	-0.1599	3.63E-03	-0.0626	2.58E-01	-0.0275	6.19E-01	-0.0674	2.23E-01	-0.1202	2.93E-02	NO
FXR1	ILMN_1679640	FXR1	8087	0.6647	3.92E-32	-0.0987	7.38E-02	-0.0960	8.22E-02	-0.1305	1.79E-02	-0.1860	6.95E-04	-0.2335	1.88E-05	NO
VPS26A	ILMN_2344850	VPS26A	9559	0.6624	1.76E-40	-0.0983	7.49E-02	-0.0540	3.29E-01	-0.0246	6.56E-01	-0.0590	2.86E-01	-0.0909	9.96E-02	NO
ANKRA2	ILMN_2185563	ANKRA2	57763	0.6619	2.56E-29	-0.1115	4.34E-02	-0.1275	2.07E-02	-0.0450	4.16E-01	-0.1270	2.12E-02	-0.1581	4.05E-03	NO
BTAF1	ILMN_1676842	BTAF1	9044	0.6610	4.01E-40	-0.2589	1.95E-06	-0.1245	2.40E-02	0.0252	6.49E-01	-0.0592	2.84E-01	-0.1280	2.02E-02	NO
CCNG1	ILMN_1694491	CCNG1	900	0.6595	1.97E-45	-0.2067	1.59E-04	-0.0966	8.01E-02	0.0800	1.48E-01	0.0107	8.47E-01	-0.0329	5.52E-01	NO
LOC644799	ILMN_1675472	LOC644799	644799	0.6591	1.04E-36	-0.1392	1.15E-02	-0.1024	6.37E-02	-0.0576	2.98E-01	-0.1220	2.69E-02	-0.1684	2.18E-03	NO

RSRC2	ILMN_2358277	RSRC2	65117	0.6579	2.33E-31	-0.1869	6.57E-04	-0.1214	2.76E-02	0.1194	3.04E-02	0.0310	5.75E-01	0.0053	9.24E-01	NO
DCK	ILMN_1651433	DCK	1633	0.6552	2.85E-12	-0.0719	1.93E-01	-0.1307	1.77E-02	0.0462	4.04E-01	-0.0437	4.30E-01	-0.0427	4.40E-01	NO
BCLAF1	ILMN_2357272	BCLAF1	9774	0.6544	1.25E-17	-0.1221	2.68E-02	-0.0957	8.32E-02	-0.0156	7.77E-01	-0.0783	1.56E-01	-0.1114	4.35E-02	NO
RRAGB	ILMN_1741219	RRAGB	10325	0.6540	1.04E-24	-0.1468	7.66E-03	-0.0262	6.36E-01	-0.0342	5.37E-01	-0.0494	3.72E-01	-0.1036	6.04E-02	NO
RPS6KB1	ILMN_1704557	RPS6KB1	6198	0.6530	3.16E-38	-0.1450	8.42E-03	-0.1303	1.81E-02	0.0051	9.26E-01	-0.0819	1.38E-01	-0.1144	3.81E-02	NO
NCOA7	ILMN_1687768	NCOA7	135112	0.6520	1.33E-26	-0.1931	4.29E-04	-0.1057	5.56E-02	0.0957	8.31E-02	0.0193	7.27E-01	-0.0153	7.83E-01	NO
HEXB	ILMN_1806692	HEXB	3074	0.6519	8.75E-36	-0.1548	4.90E-03	-0.0284	6.08E-01	0.1323	1.64E-02	0.1050	5.72E-02	0.0809	1.43E-01	NO
SCYL1BP1	ILMN_1761911	SCYL1BP1	92344	0.6508	1.21E-18	-0.1015	6.60E-02	-0.0420	4.48E-01	0.0283	6.09E-01	-0.0014	9.80E-01	-0.0257	6.43E-01	NO
NUDT21	ILMN_1798886	NUDT21	11051	0.6505	8.94E-41	-0.2456	6.55E-06	-0.1464	7.81E-03	0.0865	1.17E-01	-0.0164	7.67E-01	-0.0658	2.34E-01	NO
OMA1	ILMN_1670079	OMA1	115209	0.6493	6.10E-33	-0.2030	2.10E-04	-0.0284	6.07E-01	0.0407	4.62E-01	0.0192	7.29E-01	-0.0396	4.75E-01	NO
IRF2BP2	ILMN_2394561	IRF2BP2	359948	0.6481	1.43E-42	-0.1305	1.79E-02	-0.0902	1.02E-01	-0.0713	1.97E-01	-0.1268	2.14E-02	-0.1745	1.49E-03	NO
ZDHHC17	ILMN_1697153	ZDHHC17	23390	0.6470	3.19E-26	-0.1540	5.12E-03	-0.1755	1.40E-03	0.0362	5.13E-01	-0.0828	1.34E-01	-0.1065	5.36E-02	NO
MTERFD1	ILMN_2044617	MTERFD1	51001	0.6468	1.98E-14	-0.1391	1.16E-02	-0.0700	2.05E-01	-0.0136	8.06E-01	-0.0593	2.84E-01	-0.1012	6.69E-02	NO
TFAM	ILMN_1715661	TFAM	7019	0.6443	1.09E-14	-0.0687	2.14E-01	-0.1038	6.01E-02	-0.0164	7.68E-01	-0.0843	1.27E-01	-0.0980	7.59E-02	NO
PHKB	ILMN_1800447	PHKB	5257	0.6433	5.92E-21	-0.1586	3.92E-03	-0.0234	6.73E-01	-0.0082	8.82E-01	-0.0232	6.74E-01	-0.0769	1.64E-01	NO
TNFSF10	ILMN_1801307	TNFSF10	8743	0.6430	1.66E-54	-0.0540	3.29E-01	-0.0115	8.36E-01	-0.0312	5.73E-01	-0.0368	5.06E-01	-0.0602	2.77E-01	NO
TDG	ILMN_1777096	TDG	6996	0.6421	1.92E-25	-0.1094	4.74E-02	-0.0850	1.24E-01	0.0148	7.89E-01	-0.0427	4.40E-01	-0.0668	2.27E-01	NO
GMFB	ILMN_2093674	GMFB	2764	0.6417	3.29E-50	-0.0941	8.83E-02	-0.0282	6.10E-01	0.0578	2.96E-01	0.0354	5.23E-01	0.0177	7.49E-01	NO
ACTR10	ILMN_1798254	ACTR10	55860	0.6413	9.63E-28	-0.1270	2.12E-02	-0.1130	4.05E-02	0.1511	6.02E-03	0.0664	2.30E-01	0.0665	2.29E-01	NO
SRGN	ILMN_2169152	SRGN	5552	0.6382	3.18E-13	-0.0997	7.08E-02	-0.0640	2.47E-01	0.0115	8.35E-01	-0.0318	5.65E-01	-0.0559	3.12E-01	NO
DNAJB14	ILMN_1653266	DNAJB14	79982	0.6376	9.59E-18	-0.1273	2.09E-02	-0.0875	1.13E-01	0.1037	6.01E-02	0.0390	4.81E-01	0.0265	6.33E-01	NO
HTR2A	ILMN_1715496	HTR2A	3356	0.6366	8.75E-22	-0.0714	1.96E-01	-0.0644	2.44E-01	-0.0513	3.53E-01	-0.0909	9.98E-02	-0.1174	3.32E-02	NO
UBQLN2	ILMN_1680770	UBQLN2	29978	0.6356	5.52E-34	-0.2438	7.69E-06	-0.1304	1.80E-02	-0.0277	6.17E-01	-0.1126	4.12E-02	-0.1858	7.05E-04	NO
ANAPC13	ILMN_1793894	ANAPC13	25847	0.6348	2.45E-46	-0.0412	4.56E-01	-0.0555	3.16E-01	0.0796	1.50E-01	0.0376	4.96E-01	0.0461	4.05E-01	NO
DNAJB14	ILMN_2415898	DNAJB14	79982	0.6345	3.64E-34	-0.0748	1.76E-01	-0.0340	5.39E-01	0.1050	5.72E-02	0.0757	1.71E-01	0.0747	1.77E-01	NO
SLC30A5	ILMN_1664153	SLC30A5	64924	0.6344	3.48E-14	-0.0705	2.02E-01	-0.0452	4.14E-01	-0.0402	4.68E-01	-0.0677	2.21E-01	-0.0942	8.79E-02	NO
CASP1	ILMN_2326509	CASP1	834	0.6342	1.39E-23	-0.1453	8.31E-03	-0.1149	3.73E-02	0.2005	2.53E-04	0.1113	4.36E-02	0.1150	3.70E-02	NO
OSBPL9	ILMN_2313851	OSBPL9	114883	0.6340	1.79E-26	-0.1241	2.44E-02	-0.0325	5.57E-01	-0.0389	4.82E-01	-0.0580	2.94E-01	-0.1045	5.83E-02	NO
SELS	ILMN_1803744	SELS	55829	0.6338	1.46E-15	-0.1039	5.99E-02	-0.0974	7.76E-02	0.0826	1.35E-01	0.0125	8.21E-01	0.0053	9.24E-01	NO
WDFY1	ILMN_1676448	WDFY1	57590	0.6338	1.74E-23	-0.0920	9.56E-02	-0.0997	7.10E-02	-0.0099	8.57E-01	-0.0756	1.71E-01	-0.0966	8.00E-02	NO
FAM116A	ILMN_1713178	FAM116A	201627	0.6328	1.17E-11	-0.0995	7.16E-02	-0.0812	1.41E-01	0.0549	3.21E-01	-0.0026	9.62E-01	-0.0159	7.74E-01	NO
CD58	ILMN_1785268	CD58	965	0.6320	9.79E-22	-0.2250	3.80E-05	-0.2565	2.42E-06	0.1100	4.62E-02	-0.0677	2.21E-01	-0.0911	9.91E-02	NO
SFRS1	ILMN_1795341	SFRS1	6426	0.6312	1.02E-41	-0.1970	3.25E-04	-0.1080	5.02E-02	0.0105	8.49E-01	-0.0620	2.62E-01	-0.1144	3.81E-02	NO
MAT2B	ILMN_1811367	MAT2B	27430	0.6309	1.48E-14	-0.1302	1.82E-02	-0.0620	2.62E-01	0.0309	5.76E-01	-0.0123	8.25E-01	-0.0434	4.33E-01	NO
BTBD10	ILMN_1809344	BTBD10	84280	0.6308	1.66E-14	-0.1143	3.83E-02	-0.1093	4.76E-02	0.0751	1.74E-01	-0.0024	9.65E-01	-0.0132	8.11E-01	NO
SAMD9	ILMN_1814305	SAMD9	54809	0.6303	2.36E-14	-0.0668	2.27E-01	-0.1110	4.43E-02	-0.0659	2.33E-01	-0.1356	1.39E-02	-0.1574	4.22E-03	NO
REV1	ILMN_2395474	REV1	51455	0.6293	1.22E-11	-0.0894	1.05E-01	-0.0744	1.78E-01	-0.0116	8.34E-01	-0.0604	2.75E-01	-0.0841	1.28E-01	NO
UBLCP1	ILMN_2202481	UBLCP1	134510	0.6293	4.99E-40	-0.1106	4.50E-02	-0.0831	1.33E-01	0.1784	1.16E-03	0.1118	4.28E-02	0.1191	3.08E-02	NO
DYNLT1	ILMN_1678766	DYNLT1	6993	0.6290	8.57E-41	-0.0841	1.28E-01	-0.0973	7.82E-02	0.0149	7.87E-01	-0.0507	3.59E-01	-0.0644	2.44E-01	NO
C14ORF129	ILMN_1712748	C14orf129	51527	0.6274	1.28E-35	-0.2214	5.08E-05	-0.1108	4.46E-02	0.2021	2.24E-04	0.1156	3.62E-02	0.0927	9.34E-02	NO
EVI2A	ILMN_1733579	EVI2A	2123	0.6266	1.34E-20	-0.1122	4.20E-02	-0.1075	5.14E-02	-0.0689	2.13E-01	-0.1361	1.35E-02	-0.1746	1.47E-03	NO
RSBN1	ILMN_1791097	RSBN1	54665	0.6255	1.30E-32	-0.1481	7.14E-03	-0.0636	2.50E-01	0.1397	1.12E-02	0.0885	1.09E-01	0.0727	1.88E-01	NO
FAM111A	ILMN_1778845	FAM111A	63901	0.6246	9.15E-35	-0.1162	3.51E-02	-0.0519	3.48E-01	0.0100	8.57E-01	-0.0252	6.49E-01	-0.0569	3.04E-01	NO
UBL3	ILMN_1810729	UBL3	5412	0.6244	1.28E-20	-0.1898	5.36E-04	-0.1098	4.66E-02	-0.0144	7.94E-01	-0.0866	1.17E-01	-0.1411	1.04E-02	NO
JAK2	ILMN_1683178	JAK2	3717	0.6243	2.71E-38	-0.0853	1.23E-01	-0.0620	2.62E-01	-0.0040	9.42E-01	-0.0450	4.16E-01	-0.0674	2.23E-01	NO
PPCS	ILMN_1776094	PPCS	79717	0.6233	3.16E-38	-0.1582	4.03E-03	-0.0172	7.55E-01	0.0557	3.14E-01	0.0407	4.62E-01	-0.0010	9.85E-01	NO

PSMD12	ILMN_2368971	PSMD12	5718	0.6230	5.19E-28	-0.1006	6.83E-02	-0.1073	5.17E-02	-0.0431	4.36E-01	-0.1118	4.28E-02	-0.1413	1.03E-02	NO
C4ORF34	ILMN_1713892	C4orf34	201895	0.6229	1.07E-33	-0.0643	2.45E-01	-0.1390	1.16E-02	0.0640	2.47E-01	-0.0326	5.56E-01	-0.0244	6.59E-01	NO
ORMDL1	ILMN_1698406	ORMDL1	94101	0.6209	4.17E-38	-0.1728	1.66E-03	-0.1550	4.84E-03	-0.0276	6.18E-01	-0.1289	1.93E-02	-0.1743	1.50E-03	NO
C2ORF64	ILMN_1683065	C2orf64	493753	0.6198	4.45E-26	-0.0939	8.90E-02	-0.0163	7.68E-01	0.1457	8.14E-03	0.1256	2.27E-02	0.1237	2.49E-02	NO
LEMD3	ILMN_1727361	LEMD3	23592	0.6196	1.41E-15	-0.1194	3.04E-02	-0.1788	1.13E-03	0.0160	7.72E-01	-0.1039	5.97E-02	-0.1191	3.07E-02	NO
CLIC1	ILMN_1756982	CLIC1	1192	0.6195	2.40E-35	-0.0857	1.21E-01	-0.1021	6.43E-02	0.0534	3.34E-01	-0.0179	7.47E-01	-0.0240	6.65E-01	NO
CNOT6	ILMN_2136177	CNOT6	57472	0.6193	4.44E-29	-0.0803	1.46E-01	-0.1042	5.91E-02	0.1789	1.12E-03	0.0982	7.53E-02	0.1188	3.12E-02	NO
ZCCHC7	ILMN_1744980	ZCCHC7	84186	0.6191	1.44E-25	-0.1432	9.31E-03	-0.0337	5.42E-01	0.2398	1.10E-05	0.2021	2.24E-04	0.2038	1.98E-04	NO
POLB	ILMN_1767894	POLB	5423	0.6188	7.51E-17	-0.0891	1.07E-01	-0.1530	5.43E-03	0.1853	7.32E-04	0.0718	1.94E-01	0.0969	7.92E-02	NO
ZNF518B	ILMN_1682449	ZNF518B	85460	0.6186	3.45E-32	-0.1967	3.33E-04	-0.1724	1.70E-03	0.0162	7.70E-01	-0.0996	7.13E-02	-0.1424	9.71E-03	NO
RNF160	ILMN_1760360	RNF160	26046	0.6185	3.12E-30	-0.2043	1.91E-04	-0.0419	4.48E-01	0.0953	8.45E-02	0.0613	2.67E-01	0.0145	7.93E-01	NO
WDR44	ILMN_1704621	WDR44	54521	0.6182	2.40E-17	-0.0932	9.14E-02	-0.1101	4.60E-02	0.0498	3.67E-01	-0.0266	6.31E-01	-0.0349	5.28E-01	NO
SMS	ILMN_2225318	SMS	6611	0.6182	3.46E-27	-0.1075	5.15E-02	-0.0317	5.67E-01	0.0192	7.29E-01	-0.0031	9.55E-01	-0.0325	5.56E-01	NO
GAPT	ILMN_1675191	GAPT	202309	0.6179	2.30E-45	-0.1239	2.47E-02	-0.0116	8.35E-01	0.1916	4.74E-04	0.1718	1.77E-03	0.1679	2.25E-03	NO
MS4A7	ILMN_2331082	MS4A7	58475	0.6175	1.15E-16	-0.2001	2.60E-04	-0.1351	1.42E-02	-0.0188	7.35E-01	-0.1074	5.15E-02	-0.1631	3.01E-03	NO
LOC400657	ILMN_1725528	LOC400657	400657	0.6169	7.19E-11	-0.0961	8.16E-02	-0.1145	3.80E-02	0.0387	4.84E-01	-0.0399	4.71E-01	-0.0509	3.57E-01	NO
HECA	ILMN_1770667	HECA	51696	0.6168	9.02E-30	-0.1860	6.97E-04	-0.1562	4.50E-03	0.1349	1.43E-02	0.0224	6.85E-01	0.0045	9.35E-01	NO
PPP2R3C	ILMN_1662617	PPP2R3C	55012	0.6161	9.66E-30	-0.2090	1.34E-04	-0.0584	2.91E-01	0.0802	1.47E-01	0.0363	5.12E-01	-0.0130	8.14E-01	NO
PURB	ILMN_1750079	PURB	5814	0.6161	8.44E-29	-0.0687	2.14E-01	-0.0030	9.56E-01	0.0089	8.72E-01	0.0064	9.08E-01	-0.0153	7.82E-01	NO
UBA3	ILMN_2324157	UBA3	9039	0.6142	2.95E-53	-0.1375	1.25E-02	-0.0123	8.24E-01	0.0139	8.01E-01	0.0048	9.30E-01	-0.0385	4.86E-01	NO
ZNF189	ILMN_1806809	ZNF189	7743	0.6136	2.48E-32	-0.1126	4.13E-02	-0.0412	4.57E-01	-0.0542	3.27E-01	-0.0781	1.57E-01	-0.1225	2.63E-02	NO
NKRF	ILMN_1707534	NKRF	55922	0.6135	3.00E-50	-0.0847	1.25E-01	-0.0920	9.59E-02	0.1325	1.62E-02	0.0629	2.55E-01	0.0713	1.97E-01	NO
GGNBP2	ILMN_1725620	GGNBP2	79893	0.6129	5.26E-31	-0.0564	3.08E-01	-0.1203	2.92E-02	0.0219	6.92E-01	-0.0595	2.82E-01	-0.0592	2.84E-01	NO
FAM76B	ILMN_2130514	FAM76B	143684	0.6127	3.60E-15	-0.1926	4.42E-04	-0.1228	2.60E-02	0.0377	4.96E-01	-0.0464	4.02E-01	-0.0900	1.03E-01	NO
SERBP1	ILMN_1773968	SERBP1	26135	0.6090	1.36E-28	-0.1699	1.98E-03	-0.0579	2.95E-01	0.1750	1.44E-03	0.1254	2.29E-02	0.1082	4.98E-02	NO
CALML4	ILMN_1757210	CALML4	91860	0.6069	5.23E-33	-0.1043	5.88E-02	-0.0521	3.46E-01	-0.0075	8.93E-01	-0.0417	4.51E-01	-0.0726	1.89E-01	NO
GLTP	ILMN_1764380	GLTP	51228	0.6062	9.43E-34	-0.1363	1.33E-02	-0.0770	1.63E-01	0.2281	2.95E-05	0.1624	3.14E-03	0.1698	2.00E-03	NO
TMEM66	ILMN_1780141	TMEM66	51669	0.6060	1.19E-27	-0.0482	3.83E-01	-0.2168	7.33E-05	0.0533	3.36E-01	-0.0944	8.74E-02	-0.0727	1.88E-01	NO
UBE2Q2	ILMN_1683817	UBE2Q2	92912	0.6059	2.74E-32	-0.2273	3.15E-05	-0.1431	9.34E-03	0.0598	2.79E-01	-0.0392	4.79E-01	-0.0879	1.12E-01	NO
CCDC76	ILMN_1659786	CCDC76	54482	0.6034	2.76E-35	-0.1672	2.34E-03	-0.0963	8.12E-02	0.1104	4.53E-02	0.0394	4.77E-01	0.0155	7.80E-01	NO
KIAA0261	ILMN_1693668	KIAA0261	23063	0.6027	1.16E-41	-0.1606	3.49E-03	-0.1334	1.55E-02	-0.0307	5.79E-01	-0.1175	3.31E-02	-0.1620	3.21E-03	NO
BIRC2	ILMN_2182704	BIRC2	329	0.6000	6.21E-37	-0.0971	7.86E-02	-0.0017	9.76E-01	0.1135	3.96E-02	0.1052	5.66E-02	0.0940	8.86E-02	NO
PCMT1	ILMN_1671621	PCMT1	5110	0.5995	5.76E-13	-0.1184	3.18E-02	-0.0843	1.27E-01	0.0697	2.07E-01	0.0092	8.68E-01	-0.0073	8.95E-01	NO
GNG2	ILMN_1807925	GNG2	54331	0.5991	1.91E-24	-0.0829	1.33E-01	-0.0508	3.58E-01	0.0425	4.43E-01	0.0060	9.14E-01	-0.0079	8.86E-01	NO
ARMC10	ILMN_2052598	ARMC10	83787	0.5985	2.95E-32	-0.0695	2.09E-01	-0.0761	1.69E-01	0.0999	7.04E-02	0.0429	4.38E-01	0.0482	3.83E-01	NO
AKAP11	ILMN_1693220	AKAP11	11215	0.5972	5.53E-18	-0.1741	1.52E-03	-0.0836	1.30E-01	0.2093	1.31E-04	0.1403	1.08E-02	0.1318	1.68E-02	NO
UBR5	ILMN_1741253	UBR5	51366	0.5970	1.48E-31	-0.2970	3.99E-08	-0.1061	5.45E-02	0.0431	4.35E-01	-0.0302	5.85E-01	-0.1111	4.41E-02	NO
PSIP1	ILMN_1788701	PSIP1	11168	0.5952	7.39E-35	-0.1411	1.04E-02	-0.0652	2.38E-01	0.0615	2.66E-01	0.0142	7.97E-01	-0.0142	7.97E-01	NO
ANKRD12	ILMN_1661833	ANKRD12	23253	0.5921	1.89E-13	-0.1037	6.02E-02	-0.1289	1.93E-02	0.1002	6.95E-02	0.0081	8.84E-01	0.0084	8.80E-01	NO
TBC1D15	ILMN_1803941	TBC1D15	64786	0.5915	6.51E-21	-0.1490	6.77E-03	-0.0358	5.17E-01	0.0577	2.97E-01	0.0302	5.86E-01	-0.0056	9.20E-01	NO
TMEM123	ILMN_1724139	TMEM123	114908	0.5909	3.97E-14	-0.0988	7.35E-02	-0.1463	7.85E-03	0.0915	9.75E-02	-0.0117	8.33E-01	-0.0091	8.69E-01	NO
AKTIP	ILMN_2377240	AKTIP	64400	0.5898	3.23E-24	-0.1109	4.45E-02	-0.0406	4.63E-01	0.0987	7.38E-02	0.0655	2.36E-01	0.0516	3.51E-01	NO
SS18	ILMN_1805646	SS18	6760	0.5870	2.01E-07	-0.0417	4.51E-01	-0.0808	1.44E-01	-0.0614	2.67E-01	-0.1112	4.38E-02	-0.1273	2.09E-02	NO
DENR	ILMN_1760954	DENR	8562	0.5868	4.37E-19	-0.1197	3.00E-02	-0.1514	5.93E-03	0.0879	1.12E-01	-0.0184	7.39E-01	-0.0232	6.75E-01	NO
CANX	ILMN_2401057	CANX	821	0.5860	1.93E-07	-0.0663	2.30E-01	-0.1148	3.74E-02	0.0321	5.62E-01	-0.0463	4.02E-01	-0.0482	3.83E-01	NO
TIA1	ILMN_2388466	TIA1	7072	0.5857	2.53E-29	-0.1672	2.34E-03	-0.0507	3.60E-01	0.0601	2.77E-01	0.0226	6.83E-01	-0.0171	7.57E-01	NO

SFRS3	ILMN_1723212	SFRS3	6428	0.5856	1.01E-47	-0.0990	7.31E-02	-0.0717	1.95E-01	0.1856	7.17E-04	0.1261	2.21E-02	0.1374	1.26E-02	NO
FAM122B	ILMN_2189605	FAM122B	159090	0.5855	5.11E-36	-0.0697	2.08E-01	-0.1332	1.56E-02	0.0662	2.31E-01	-0.0266	6.31E-01	-0.0206	7.10E-01	NO
SIRT1	ILMN_1739083	SIRT1	23411	0.5846	3.02E-38	-0.1296	1.87E-02	-0.0635	2.51E-01	0.1585	3.95E-03	0.1062	5.43E-02	0.1005	6.87E-02	NO
CCBL2	ILMN_1778371	CCBL2	56267	0.5832	3.32E-20	-0.0924	9.44E-02	-0.0883	1.10E-01	-0.0056	9.20E-01	-0.0639	2.47E-01	-0.0857	1.21E-01	NO
XRCC5	ILMN_2105983	XRCC5	7520	0.5820	1.05E-13	-0.0588	2.87E-01	-0.0582	2.92E-01	0.1657	2.57E-03	0.1165	3.47E-02	0.1361	1.35E-02	NO
PPAPDC2	ILMN_1802628	PPAPDC2	403313	0.5780	2.59E-08	-0.0790	1.53E-01	-0.0769	1.64E-01	0.0236	6.70E-01	-0.0290	6.00E-01	-0.0419	4.49E-01	NO
BRWD1	ILMN_1673518	BRWD1	54014	0.5777	1.45E-12	-0.0956	8.34E-02	0.0001	9.98E-01	-0.0863	1.18E-01	-0.0807	1.44E-01	-0.1308	1.76E-02	NO
AP3M1	ILMN_2362122	AP3M1	26985	0.5768	4.52E-15	-0.1721	1.73E-03	-0.0916	9.70E-02	0.1145	3.80E-02	0.0462	4.03E-01	0.0208	7.07E-01	NO
PRRC1	ILMN_1685140	PRRC1	133619	0.5758	1.01E-34	-0.1406	1.07E-02	-0.1411	1.04E-02	0.2318	2.17E-05	0.1233	2.54E-02	0.1381	1.21E-02	NO
KIAA1598	ILMN_1805992	KIAA1598	57698	0.5725	1.97E-10	-0.0954	8.40E-02	-0.1225	2.63E-02	0.0185	7.39E-01	-0.0642	2.46E-01	-0.0779	1.59E-01	NO
SF3B1	ILMN_1706075	SF3B1	23451	0.5722	1.11E-30	-0.2195	5.94E-05	-0.1294	1.89E-02	-0.0206	7.10E-01	-0.1053	5.63E-02	-0.1688	2.12E-03	NO
FAR1	ILMN_2143250	FAR1	84188	0.5704	2.81E-21	-0.1593	3.77E-03	-0.0937	8.97E-02	-0.0718	1.94E-01	-0.1296	1.87E-02	-0.1868	6.59E-04	NO
CYP2R1	ILMN_2119774	CYP2R1	120227	0.5702	3.84E-25	-0.0867	1.17E-01	-0.0151	7.86E-01	0.0507	3.59E-01	0.0375	4.98E-01	0.0193	7.27E-01	NO
RAB11FIP2	ILMN_2072541	RAB11FIP2	22841	0.5684	5.48E-26	-0.1074	5.17E-02	-0.0735	1.84E-01	0.0173	7.54E-01	-0.0327	5.55E-01	-0.0570	3.02E-01	NO
PRDM1	ILMN_1655077	PRDM1	639	0.5677	7.11E-22	-0.1282	2.00E-02	-0.0409	4.60E-01	-0.0099	8.58E-01	-0.0365	5.09E-01	-0.0776	1.60E-01	NO
RAP2A	ILMN_1677404	RAP2A	5911	0.5666	8.15E-39	-0.1091	4.80E-02	-0.1006	6.85E-02	-0.0588	2.88E-01	-0.1220	2.70E-02	-0.1584	3.97E-03	NO
KLHDC2	ILMN_1741204	KLHDC2	23588	0.5650	1.50E-12	-0.0965	8.05E-02	-0.1250	2.33E-02	0.0160	7.72E-01	-0.0682	2.17E-01	-0.0824	1.36E-01	NO
SH3BGRL	ILMN_1702835	SH3BGRL	6451	0.5643	1.06E-29	-0.1560	4.56E-03	-0.0937	8.96E-02	0.1406	1.06E-02	0.0694	2.10E-01	0.0549	3.21E-01	NO
MFSD1	ILMN_1789751	MFSD1	64747	0.5637	1.12E-13	-0.1287	1.96E-02	-0.0188	7.34E-01	0.0711	1.98E-01	0.0541	3.28E-01	0.0258	6.41E-01	NO
ITGA4	ILMN_1747052	ITGA4	3676	0.5630	7.70E-26	-0.1208	2.85E-02	-0.0455	4.11E-01	-0.0296	5.93E-01	-0.0579	2.95E-01	-0.0998	7.07E-02	NO
KIAA0391	ILMN_1701512	KIAA0391	9692	0.5629	9.31E-29	-0.1014	6.62E-02	-0.1275	2.07E-02	-0.0863	1.18E-01	-0.1656	2.58E-03	-0.2013	2.38E-04	NO
HERC4	ILMN_1678922	HERC4	26091	0.5620	3.58E-30	-0.0935	9.04E-02	0.0102	8.54E-01	0.1738	1.56E-03	0.1695	2.04E-03	0.1698	1.99E-03	NO
FAM96A	ILMN_1761981	FAM96A	84191	0.5581	2.70E-43	-0.1701	1.96E-03	-0.0363	5.11E-01	0.1506	6.21E-03	0.1168	3.41E-02	0.0921	9.55E-02	NO
CHM	ILMN_1771238	CHM	1121	0.5549	2.29E-17	-0.1368	1.30E-02	-0.1072	5.21E-02	0.1152	3.67E-02	0.0366	5.08E-01	0.0255	6.44E-01	NO
UBQLN1	ILMN_1688622	UBQLN1	29979	0.5543	2.82E-25	-0.1295	1.88E-02	-0.1221	2.68E-02	0.0447	4.19E-01	-0.0394	4.77E-01	-0.0598	2.80E-01	NO
CALM2	ILMN_1687858	CALM2	805	0.5539	3.65E-36	-0.0843	1.27E-01	-0.0161	7.72E-01	0.1351	1.42E-02	0.1159	3.56E-02	0.1152	3.67E-02	NO
CEBPG	ILMN_1716766	CEBPG	1054	0.5529	1.02E-13	-0.1139	3.90E-02	-0.0592	2.85E-01	-0.0280	6.12E-01	-0.0656	2.35E-01	-0.1030	6.21E-02	NO
PPP2R3C	ILMN_2214603	PPP2R3C	55012	0.5528	9.13E-14	-0.1024	6.36E-02	-0.0943	8.77E-02	0.0547	3.22E-01	-0.0115	8.36E-01	-0.0241	6.63E-01	NO
RASA1	ILMN_1725312	RASA1	5921	0.5527	2.54E-24	-0.1477	7.29E-03	-0.0211	7.02E-01	0.0038	9.45E-01	-0.0105	8.50E-01	-0.0582	2.92E-01	NO
VAMP7	ILMN_1690524	VAMP7	6845	0.5524	7.40E-09	-0.0140	8.01E-01	-0.0929	9.27E-02	-0.0026	9.63E-01	-0.0642	2.46E-01	-0.0576	2.98E-01	NO
KIAA0528	ILMN_1682572	KIAA0528	9847	0.5516	6.70E-28	-0.1446	8.61E-03	-0.0702	2.04E-01	0.1784	1.16E-03	0.1203	2.91E-02	0.1142	3.85E-02	NO
BTF3L4	ILMN_1759359	BTF3L4	91408	0.5514	1.70E-15	-0.0636	2.50E-01	-0.1189	3.11E-02	0.1878	6.19E-04	0.0968	7.97E-02	0.1269	2.14E-02	NO
MED28	ILMN_1749821	MED28	80306	0.5512	3.52E-23	-0.0276	6.18E-01	0.0001	9.98E-01	0.0603	2.75E-01	0.0566	3.06E-01	0.0588	2.87E-01	NO
ARF4	ILMN_1719518	ARF4	378	0.5502	1.31E-09	-0.1532	5.35E-03	-0.0270	6.25E-01	-0.0405	4.64E-01	-0.0559	3.12E-01	-0.1136	3.95E-02	NO
FAM111A	ILMN_2410038	FAM111A	63901	0.5498	4.31E-27	-0.1851	7.41E-04	-0.0041	9.42E-01	0.0069	9.01E-01	0.0037	9.46E-01	-0.0586	2.89E-01	NO
PPP3CB	ILMN_1802669	PPP3CB	5532	0.5477	1.82E-10	-0.0841	1.28E-01	-0.1799	1.05E-03	0.1066	5.34E-02	-0.0198	7.20E-01	-0.0049	9.29E-01	NO
EXOSC3	ILMN_1708936	EXOSC3	51010	0.5476	2.43E-21	-0.1611	3.38E-03	-0.1012	6.66E-02	-0.1191	3.08E-02	-0.1789	1.12E-03	-0.2451	6.87E-06	NO
SEPHS1	ILMN_2176768	SEPHS1	22929	0.5467	4.27E-20	-0.0177	7.49E-01	-0.0711	1.98E-01	-0.0100	8.57E-01	-0.0567	3.06E-01	-0.0556	3.15E-01	NO
CDC42SE2	ILMN_2313926	CDC42SE2	56990	0.5466	2.55E-19	-0.1296	1.87E-02	-0.0579	2.95E-01	0.1927	4.39E-04	0.1420	9.93E-03	0.1423	9.77E-03	NO
H3F3B	ILMN_1695706	H3F3B	3021	0.5458	5.82E-19	-0.0892	1.06E-01	-0.0320	5.63E-01	0.2050	1.81E-04	0.1707	1.89E-03	0.1841	7.92E-04	NO
DHX36	ILMN_1738272	DHX36	170506	0.5426	1.01E-27	-0.1389	1.17E-02	-0.0130	8.15E-01	0.2105	1.20E-04	0.1885	5.89E-04	0.1833	8.39E-04	NO
CKLF	ILMN_1712389	CKLF	51192	0.5413	1.75E-31	-0.0743	1.79E-01	-0.0071	8.98E-01	-0.0176	7.50E-01	-0.0212	7.01E-01	-0.0495	3.71E-01	NO
CCNT2	ILMN_1722522	CCNT2	905	0.5412	2.27E-11	-0.1032	6.14E-02	-0.0299	5.89E-01	0.0465	4.01E-01	0.0236	6.69E-01	0.0008	9.89E-01	NO
SLC35B3	ILMN_1682910	SLC35B3	51000	0.5401	1.80E-36	-0.2070	1.56E-04	-0.1308	1.76E-02	-0.0153	7.82E-01	-0.1013	6.64E-02	-0.1593	3.77E-03	NO
C3ORF38	ILMN_2078264	C3orf38	285237	0.5390	5.66E-42	-0.1619	3.23E-03	-0.0827	1.34E-01	0.0019	9.73E-01	-0.0532	3.36E-01	-0.0984	7.48E-02	NO
EIF4G2	ILMN_1761519	EIF4G2	1982	0.5363	3.65E-22	-0.0630	2.55E-01	-0.0286	6.05E-01	0.1265	2.17E-02	0.0994	7.17E-02	0.1061	5.45E-02	NO

VPS41	ILMN_1703379	VPS41	27072	0.5343	3.59E-21	-0.1647	2.73E-03	-0.0842	1.28E-01	-0.0356	5.20E-01	-0.0893	1.06E-01	-0.1426	9.59E-03	NO
CLEC4A	ILMN_2399363	CLEC4A	50856	0.5341	2.47E-11	-0.0342	5.37E-01	-0.0429	4.39E-01	-0.0928	9.30E-02	-0.1154	3.64E-02	-0.1399	1.11E-02	NO
ZEB2	ILMN_1688698	ZEB2	9839	0.5292	6.70E-09	-0.1275	2.07E-02	-0.0903	1.02E-01	0.0382	4.90E-01	-0.0243	6.61E-01	-0.0494	3.72E-01	NO
ACADM	ILMN_2053679	ACADM	34	0.5289	1.46E-26	-0.1432	9.32E-03	-0.0221	6.89E-01	0.1059	5.50E-02	0.0845	1.26E-01	0.0584	2.91E-01	NO
C2ORF25	ILMN_2090558	C2orf25	27249	0.5215	1.04E-14	-0.1794	1.09E-03	-0.0696	2.08E-01	0.0539	3.30E-01	0.0042	9.40E-01	-0.0385	4.87E-01	NO
CARD16	ILMN_1726591	CARD16	114769	0.5205	1.04E-07	-0.0775	1.61E-01	-0.0919	9.63E-02	0.0732	1.85E-01	0.0075	8.93E-01	0.0068	9.02E-01	NO
CTSO	ILMN_1769633	CTSO	1519	0.5066	3.02E-20	-0.2613	1.54E-06	-0.2777	3.06E-07	0.0796	1.50E-01	-0.1102	4.58E-02	-0.1494	6.62E-03	NO
SEC23IP	ILMN_1690690	SEC23IP	11196	0.5066	2.76E-37	-0.0726	1.89E-01	-0.0306	5.80E-01	0.0160	7.72E-01	-0.0054	9.23E-01	-0.0234	6.72E-01	NO
BCLAF1	ILMN_1775192	BCLAF1	9774	0.5047	5.30E-22	-0.1559	4.59E-03	-0.0795	1.50E-01	-0.0787	1.54E-01	-0.1266	2.16E-02	-0.1859	7.04E-04	NO
ARID4A	ILMN_1810229	ARID4A	5926	0.4994	1.77E-06	-0.1268	2.14E-02	-0.1228	2.60E-02	0.0565	3.07E-01	-0.0288	6.03E-01	-0.0459	4.07E-01	NO
RRAS2	ILMN_2077623	RRAS2	22800	0.4983	1.07E-05	-0.1278	2.04E-02	-0.0075	8.91E-01	-0.0031	9.55E-01	-0.0079	8.86E-01	-0.0519	3.48E-01	NO
S100A8	ILMN_1729801	S100A8	6279	0.4795	5.61E-17	-0.1628	3.06E-03	-0.1495	6.60E-03	-0.0225	6.85E-01	-0.1205	2.89E-02	-0.1621	3.19E-03	NO
PPP2CA	ILMN_1722858	PPP2CA	5515	0.4790	1.60E-33	-0.2202	5.61E-05	-0.0792	1.52E-01	-0.0037	9.47E-01	-0.0561	3.10E-01	-0.1230	2.56E-02	NO
MRFAP1	ILMN_2055165	MRFAP1	93621	0.4739	1.03E-23	-0.2054	1.75E-04	-0.1025	6.32E-02	-0.0298	5.91E-01	-0.0961	8.19E-02	-0.1600	3.62E-03	NO
TMEM41B	ILMN_1678004	TMEM41B	440026	0.4730	4.60E-26	-0.1886	5.83E-04	-0.1544	5.00E-03	0.0135	8.07E-01	-0.0901	1.03E-01	-0.1330	1.58E-02	NO
THUMPD1	ILMN_2108339	THUMPD1	55623	0.4689	3.07E-18	-0.2008	2.46E-04	-0.1277	2.05E-02	-0.0229	6.79E-01	-0.1065	5.37E-02	-0.1641	2.82E-03	NO
SMNDC1	ILMN_1691789	SMNDC1	10285	0.4382	8.96E-13	-0.1620	3.21E-03	-0.0666	2.28E-01	-0.0740	1.81E-01	-0.1136	3.94E-02	-0.1758	1.37E-03	NO
CDV3	ILMN_1810977	CDV3	55573	0.4189	1.84E-23	-0.1212	2.79E-02	-0.0659	2.33E-01	-0.1333	1.56E-02	-0.1686	2.15E-03	-0.2283	2.91E-05	NO
ZFAND1	ILMN_1730907	ZFAND1	79752	0.4187	3.02E-29	-0.1485	6.97E-03	-0.0679	2.20E-01	-0.0626	2.57E-01	-0.1038	6.01E-02	-0.1588	3.87E-03	NO